Data Validation Checklist
Inorganic Analyses

Project:	35TH Avenue Superfund Site	Project No:	60430028; 1
Laboratory:	TestAmerica – Savannah, GA	Job ID.:	680-106200-3
Method:	SW-846 6010C	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Samples Collected:	10/06/2014 & 10/07/2014
Reviewer:	Karen M Trujillo, URS Group, Inc.	Date:	08/11/2015
Concurrence[1]:	Jenine Abbassi, URS Group, Inc.	Date:	08/14/2015

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 arsenic is less than the respective above-mentioned RSL in the following undiluted samples: • 680-106200-31 (CV0965D-CS6), [MDL is 0.71 mg/Kg] • 680-106200-37 (CV0739A-CS12), [MDL is 1.2 mg/Kg] A data gap does not exist as arsenic was detected in both samples.	
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?	✓			MB 680-353436/1-A: Iron @ 15.0 J mg/Kg (MDL 7, RL 20). 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. Blank contamination will be evaluated based on method blank results.	
12. Were contaminants detected in samples below the blank contamination action level? o If blank result > RL, • Flag sample results ≤ RL with a U • Flag positive sample results > RL and ≤10x blank result , as J+ positive results o If blank result ≤RL, • Flag sample results ≤ RL with a U • Flag positive sample results > RL and ≤10x blank result , as J+ positive results		✓		Qualification of iron results due to blank contamination is not warranted, as the concentration of iron in all sample results was greater than 10x the concentration in the blank result. 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?	✓			• CV0965D-CSD6 (680-106200-32) is a field duplicate of sample CV0965D-CS6 (680-106200-31). • CV0613B-CSD6 (680-106200-45) is a field duplicate of CV0613B-CS6 (680-106200-43) • CV0753A-CSD (0-4") (680-106200-50) is a field duplicate of sample CV0753A-CS (0-4") (680-106200-49).	
15. Was precision deemed acceptable as defined by the project plans?		✓		Refer to **Attachment B** (Field Duplicate Evaluation)	J
16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? o 6010C: • ICAL: Blank and one standard • ICV initially, and CCV every 10th sample and at the end of the analytical run • Lower Limit of Quantitation Check Sample (CRI) to be analyzed after establishing lower laboratory reporting limits and as needed o 7471A: • ICAL: Blank and five standards • ICV initially, and CCV every 10th sample and at the	✓			6010C: 10/13/2014, 10/14/2014, 10/15/2014, 10/16/2014, and 10/17/14. One blank and one standard initially. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis.	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
end of the analytical run ○ 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					
17. Were these results within lab/project specifications? ○ 6010C • ICV/CCV (Criteria: 90-110%R): ▪ If %R <75, then J- flag positive results and R-flag non-detects ▪ If 75-89%R, then J- flag positive results and UJ flag non-detects ▪ If 111-125%R, then J flag positive results ▪ If >125%R, then J+ flag positive results ▪ If >160%R, then R flag positive results • CRI (Method: 70-130%R, Laboratory: 50-150%R; Project: 50-150%R for Sb, Pb, and Tl, and 70-130%R for all other analytes): ▪ If CRI %R <50 (<30% for Sb, Pb, TL), then R flag results ≤ 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69% (30-49% for Sb, Pb, TL), then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180% (>150%, but ≤200% for Sb, Pb, TL), then J+ flag positive results <2x RL ▪ If CRI %R >180% (>200% for Sb, Pb, TL), then R flag positive results ○ 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	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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-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: ○ If >120%R (or >true value plus 2x CRQL), J+ flag positive results ○ If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects ○ If <50%R, J- flag positive results and R-flag non-detects	✓				
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? ○ 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 ○ 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 353346: ○ 680-106200-31 (CV0965D-CS6), MS/MSD ○ Batch Sample, PDS. Lab sample 680-106200-B-18-	
24. Is the MS and MSD parent sample a project-specific sample?	✓	✓			

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
				A is a project specific sample (CV0971WW-CS6) and results were reported under Job ID 680-106200-2. • Batch 353312: (Batch Sample), MS/MSD/PDS. Lab sample 680-106200-A-1 is a project-specific sample (CV0005Y-CS6) and results were reported under Job ID 680-106200-1. • Batch 353262: (Batch Sample), MS/MSD/PDS. Lab sample 680-106200-A-51 is a project-specific sample [CV0753B-CS (0-4")] and results were reported under Job ID 680-106200-4. • Batch 353249: (Batch Sample), MS/MSD/PDS • Batch 353436: (Batch Sample), MS/MSD	
25. Was a post-digestion spike (PDS) analysis conducted when MS and/or MSD results did not meet control limits (Note: PDS is not required for silver, mercury, or hexavalent chromium)?	✓			680-106200-18 (CV0971WW-CS6), which is a project-specific sample with results reported under Job ID 680-106200-2.	
26. For all analytes with sample concentration < 4 x spike concentration, are spike recoveries within method (6010C: 75-125%R MS/MSD and 80-120%R PDS; 7471A: 80-120%R MS/MSD; 7196A: 85-115%R MS), laboratory (MS, MSD, and PDS: 75-125%R for 6010C/7471 (as applicable) and 80-120%R for 7196), and project (as noted below) specifications? *Only QC results for project samples are evaluated.* If not, ○ 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 ○ 7471A/7196: • If MS %R <30, then J- and R Flag positive and ND results, respectively		✓		680-106200-31 (CV0965D-CS6): Arsenic MS and MSD @ 55 and -9%R (Lab/Project: 75-125%R); No PDS for the sample, J^- Flag.	J-

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
• 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?		✓		• Batch Sample: Lab sample 680-106200-B-18-A SD is a project-specific sample (CV0971WW-CS6) and results were reported under Job ID 680-106200-2. • Batch Sample: Lab sample 680-106200-B-1-A SD is a project-specific sample (CV0005Y-CS6) and results were reported under Job ID 680-106200-1. • Batch Sample: Lab sample 680-106200-B-51-A SD is a project-specific sample [CV0753B-CS (0-4")] and results were reported under Job ID 680-106200-4. • Batch Sample: Lab ID 640-49420-A-9-A SD • Batch Sample: Lab ID 680-106194-B-2-A SD	
30. Is the percent difference between the serially diluted result and undiluted result less 10% (for those analytes with native concentrations greater than 50x the DL)? *Only QC results for project samples are evaluated.* o If %D >10, J and UJ flag positive and non-detect results, respectively.			✓		
31. Was a laboratory duplicate analyzed?		✓			
32. Was the lab duplicate analysis conducted on a project-specific sample?			✓		
33. Were criteria for laboratory/project precision met? *Only QC results for project samples are evaluated.* o If RPD values >20% (35% for soil/sediment) or absolute difference > RL (2x RL for soil/sediment), then J and UJ flag positive and non-detect results, respectively			✓		
34. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to **Attachment C** (Case Narrative)	

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

Data Validation Checklist (Continued)

DV Flag Definitions:

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

ATTACHMENT A

SAMPLE SUMMARY

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-3
Sdg Number: 680-106200-03

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-106200-31	CV0965D-CS6	Solid	10/06/2014 1530	10/11/2014 0933
680-106200-31MS	CV0965D-CS6	Solid	10/06/2014 1530	10/11/2014 0933
680-106200-31MSD	CV0965D-CS6	Solid	10/06/2014 1530	10/11/2014 0933
680-106200-32	CV0965D-CSD6	Solid	10/06/2014 1530	10/11/2014 0933
680-106200-33	CV0965D-CS12	Solid	10/06/2014 1540	10/11/2014 0933
680-106200-34	CV0965D-CS18	Solid	10/06/2014 1555	10/11/2014 0933
680-106200-35	CV0965D-CS24	Solid	10/06/2014 1600	10/11/2014 0933
680-106200-36	CV0739A-CS6	Solid	10/06/2014 1350	10/11/2014 0933
680-106200-37	CV0739A-CS12	Solid	10/06/2014 1400	10/11/2014 0933
680-106200-38	CV0739A-CS18	Solid	10/06/2014 1410	10/11/2014 0933
680-106200-39	CV0739A-CS24	Solid	10/06/2014 1420	10/11/2014 0933
680-106200-40	CV0509T-CS6	Solid	10/07/2014 0920	10/11/2014 0933
680-106200-41	CV0509T-CS12	Solid	10/07/2014 0930	10/11/2014 0933
680-106200-42	CV0509T-CS18	Solid	10/07/2014 0940	10/11/2014 0933
680-106200-43	CV0613B-CS6	Solid	10/07/2014 1450	10/11/2014 0933
680-106200-44	CV0509T-CS24	Solid	10/07/2014 0950	10/11/2014 0933
680-106200-45	CV0613B-CSD6	Solid	10/07/2014 1450	10/11/2014 0933
680-106200-46	CV0613B-CS12	Solid	10/07/2014 1500	10/11/2014 0933
680-106200-47	CV0613B-CS18	Solid	10/07/2014 1510	10/11/2014 0933
680-106200-48	CV0613B-CS24	Solid	10/07/2014 1520	10/11/2014 0933
680-106200-49	CV0753A-CS (0-4")	Solid	10/07/2014 1610	10/11/2014 0933
680-106200-50	CV0753A-CSD (0-4")	Solid	10/07/2014 1610	10/11/2014 0933

ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results **Attachment C**

Analyte	CV0965D-CS6 680-106200-31		RL	CV0965D-CSD6 680-106200-32		RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Aluminum	12000		24	10000		19	mg/kg	107.5	**18**	NA	NA	None, RPD ≤ 50%
Arsenic	34		2.4	28		1.9	mg/kg	10.75	**19**	NA	NA	None, RPD ≤ 50%
Iron	30000		24	25000		19	mg/kg	107.5	**18**	NA	NA	None, RPD ≤ 50%
Lead	290		12	230		0.93	mg/kg	32.33	**23**	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.

Evaluation of Field Duplicate Results **Attachment C**

Analyte	CV0613B-CS6 680-106200-43		RL	CV0613B-CSD6 680-106200-45		RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Aluminum	12000		20	13000		22	mg/kg	105	**8**	NA	NA	None, RPD ≤ 50%
Arsenic	31		2.0	38		2.2	mg/kg	10.5	**20**	NA	NA	None, RPD ≤ 50%
Iron	38000		20	56000		22	mg/kg	105	**38**	NA	NA	None, RPD ≤ 50%
Lead	100		0.98	120		11	mg/kg	29.95	**18**	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.

Evaluation of Field Duplicate Results **Attachment C**

Analyte	CV0753A-CS (0-4") 680-106200-49		RL	CV0753A-CSD (0-4") 680-106200-50		RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Aluminum	11000		19	13000		21	mg/kg	100	**17**	NA	NA	None, RPD ≤ 50%
Arsenic	25		1.9	32		2.1	mg/kg	10	**25**	NA	NA	None, RPD ≤ 50%
Iron	38000		19	79000		21	mg/kg	100	**70**	NA	NA	**J/UJ-flag, RPD > 50%**
Lead	370		0.96	360		1.0	mg/kg	4.9	**3**	NA	NA	None, RPD ≤ 50%

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

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

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

ATTACHMENT C

CASE NARRATIVE

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-106200-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In 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 CV0965D-CS6 (680-106200-31), CV0965D-CSD6 (680-106200-32), CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0739A-CS6 (680-106200-36), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0509T-CS18 (680-106200-42), CV0613B-CS6 (680-106200-43), CV0509T-CS24 (680-106200-44), CV0613B-CSD6 (680-106200-45), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0753A-CS (0-4") (680-106200-49) and CV0753A-CSD (0-4") (680-106200-50) 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): CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0965D-CSD6 (680-106200-32), CV0509T-CS18 (680-106200-42), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0613B-CS6 (680-106200-43), CV0613B-CSD6 (680-106200-45), CV0753A-CS (0-4") (680-106200-49), CV0753A-CSD (0-4") (680-106200-50), CV0753B-CS (0-4") (680-106200-51), CV0965D-CS6 (680-106200-31), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0739A-CS6 (680-106200-36).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV0965D-CS12 (680-106200-33), CV0965D-CSD6 (680-106200-32), CV0971WW-CS6, CV0509T-CS18 (680-106200-42), CV0613B-CS12 (680-106200-46), CV0613B-CS6 (680-106200-43), CV0613B-CSD6 (680-106200-45), CV0753A-CS (0-4") (680-106200-49), CV0753A-CSD (0-4") (680-106200-50), CV0965D-CS6 (680-106200-31), CV0965D-CS6 (680-106200-31 MSD), CV0509T-CS12 (680-106200-41), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS6 (680-106200-36), CV0965D-CS6 (680-106200-31 MS). As such, surrogate and MS/MSD spike recoveries were diluted out and are not reported.

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.

Method(s) 8270D_LL_PAH: The continuing calibration verification (CCV) analyzed in batch 354071 was outside the method criteria for the following analyte(s): 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.

Acenaphthylene and Indeno[1,2,3-cd]pyrene recovery is outside criteria low for the MS of sample CV0965D-CS6 (680-106200-31) in batch 680-354069. Refer to the QC report for details.

METALS (ICP)

Samples CV0965D-CS6 (680-106200-31), CV0965D-CSD6 (680-106200-32), CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0739A-CS6 (680-106200-36), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0509T-CS18 (680-106200-42), CV0613B-CS6 (680-106200-43), CV0509T-CS24 (680-106200-44), CV0613B-CSD6 (680-106200-45), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0753A-CS (0-4") (680-106200-49) and CV0753A-CSD (0-4") (680-106200-50) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Iron was detected in method blank MB 680-353436/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Method(s) 6010C: The method blank for batch 680-353436 contained iron above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Many of the metals have recovery outside criteria low for the MS and/or MSD of sample CV0965D-CS6 (680-106200-31) in batch 680-353949. Aluminum failed the recovery criteria high. Refer to the QC report for details.

PERCENT SOLIDS/MOISTURE

Samples CV0965D-CS6 (680-106200-31), CV0965D-CSD6 (680-106200-32), CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0739A-CS6 (680-106200-36), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0509T-CS18 (680-106200-42), CV0613B-CS6 (680-106200-43), CV0509T-CS24 (680-106200-44), CV0613B-CSD6 (680-106200-45), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0753A-CS (0-4") (680-106200-49) and CV0753A-CSD (0-4") (680-106200-50) 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: CV0965D-CS6
Lab Sample ID: 680-106200-31
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 15:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 79.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	24	12	mg/Kg			1	6010C
7440-38-2	Arsenic	34	2.4	0.71	mg/Kg		J-	1	6010C
7439-89-6	Iron	30000	24	8.4	mg/Kg			1	6010C
7439-92-1	Lead	290	12	6.4	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: CV0965D-CSD6
Lab Sample ID: 680-106200-32
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 15:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 90.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10000	19	9.3	mg/Kg			1	6010C
7440-38-2	Arsenic	28	1.9	0.55	mg/Kg			1	6010C
7439-89-6	Iron	25000	19	6.5	mg/Kg			1	6010C
7439-92-1	Lead	230	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)

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0965D-CS12
Lab Sample ID: 680-106200-33
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 15:40
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 94.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10000	18	9.2	mg/Kg			1	6010C
7440-38-2	Arsenic	21	1.8	0.54	mg/Kg			1	6010C
7439-89-6	Iron	35000	18	6.4	mg/Kg			1	6010C
7439-92-1	Lead	120	9.2	4.9	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: CV0965D-CS18
Lab Sample ID: 680-106200-34
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 15:55
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 91.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	14	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	39000	21	7.5	mg/Kg			1	6010C
7439-92-1	Lead	48	11	5.7	mg/Kg			10	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0965D-CS24
Lab Sample ID: 680-106200-35
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 16:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 89.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16000	20	9.8	mg/Kg			1	6010C
7440-38-2	Arsenic	12	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	34000	20	6.9	mg/Kg			1	6010C
7439-92-1	Lead	34	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: CV0739A-CS6
Lab Sample ID: 680-106200-36
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 13:50
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 91.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6300	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	20	2.2	0.64	mg/Kg			1	6010C
7439-89-6	Iron	43000	22	7.6	mg/Kg			1	6010C
7439-92-1	Lead	410	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: CV0739A-CS12

Lab Sample ID: 680-106200-37

Lab Name: TestAmerica Savannah

Job No.: 680-106200-3

SDG ID.: 680-106200-03

Matrix: Solid

Date Sampled: 10/06/2014 14:00

Reporting Basis: DRY

Date Received: 10/11/2014 09:33

% Solids: 93.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5500	40	20	mg/Kg			1	6010C
7440-38-2	Arsenic	24	4.0	1.2	mg/Kg			1	6010C
7439-89-6	Iron	19000	40	14	mg/Kg		B	1	6010C
7439-92-1	Lead	110	2.0	1.1	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: CV0739A-CS18
Lab Sample ID: 680-106200-38
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 14:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 86.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7300	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	40	2.0	0.60	mg/Kg			1	6010C
7439-89-6	Iron	27000	20	7.1	mg/Kg			1	6010C
7439-92-1	Lead	23	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: CV0739A-CS24
Lab Sample ID: 680-106200-39
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 14:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 82.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9100	23	11	mg/Kg			1	6010C
7440-38-2	Arsenic	130	2.3	0.67	mg/Kg			1	6010C
7439-89-6	Iron	44000	23	8.0	mg/Kg			1	6010C
7439-92-1	Lead	74	1.1	0.60	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509T-CS6
Lab Sample ID: 680-106200-40
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 09:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 90.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	21	10	mg/Kg			1	6010C
7440-38-2	Arsenic	19	2.1	0.61	mg/Kg			1	6010C
7439-89-6	Iron	45000	21	7.3	mg/Kg			1	6010C
7439-92-1	Lead	69	1.0	0.55	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509T-CS12
Lab Sample ID: 680-106200-41
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 09:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 90.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	20	9.8	mg/Kg			1	6010C
7440-38-2	Arsenic	20	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	50000	20	6.8	mg/Kg			1	6010C
7439-92-1	Lead	54	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: CV0509T-CS18
Lab Sample ID: 680-106200-42
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 09:40
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 89.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	19	9.7	mg/Kg			1	6010C
7440-38-2	Arsenic	19	1.9	0.57	mg/Kg			1	6010C
7439-89-6	Iron	49000	19	6.8	mg/Kg			1	6010C
7439-92-1	Lead	46	0.97	0.51	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: CV0613B-CS6
Lab Sample ID: 680-106200-43
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 14:50
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 91.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	20	9.8	mg/Kg			1	6010C
7440-38-2	Arsenic	31	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	38000	20	6.9	mg/Kg			1	6010C
7439-92-1	Lead	100	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: CV0509T-CS24
Lab Sample ID: 680-106200-44
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 09:50
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 85.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	10	2.2	0.66	mg/Kg			1	6010C
7439-89-6	Iron	31000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	14	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: CV0613B-CSD6
Lab Sample ID: 680-106200-45
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 14:50
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 91.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	38	2.2	0.63	mg/Kg			1	6010C
7439-89-6	Iron	56000	22	7.5	mg/Kg			1	6010C
7439-92-1	Lead	120	11	5.7	mg/Kg			10	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613B-CS12
Lab Sample ID: 680-106200-46
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 15:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 92.7

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	33	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	39000	21	7.5	mg/Kg			1	6010C
7439-92-1	Lead	67	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: CV0613B-CS18
Lab Sample ID: 680-106200-47
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 15:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 78.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	120	2.2	0.64	mg/Kg			1	6010C
7439-89-6	Iron	84000	22	7.5	mg/Kg			1	6010C
7439-92-1	Lead	44	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: CV0613B-CS24
Lab Sample ID: 680-106200-48
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 15:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 89.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16000	19	9.5	mg/Kg			1	6010C
7440-38-2	Arsenic	74	1.9	0.56	mg/Kg			1	6010C
7439-89-6	Iron	65000	19	6.7	mg/Kg			1	6010C
7439-92-1	Lead	41	9.5	5.1	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: CV0753A-CS (0-4")
Lab Sample ID: 680-106200-49
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 16:10
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	11000	19	9.6	mg/Kg			1	6010C
7440-38-2	Arsenic	25	1.9	0.57	mg/Kg			1	6010C
7439-89-6	Iron	38000	19	6.7	mg/Kg		J	1	6010C
7439-92-1	Lead	370	0.96	0.51	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: CV0753A-CSD (0-4")
Lab Sample ID: 680-106200-50
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 16:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 87.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	21	10	mg/Kg			1	6010C
7440-38-2	Arsenic	32	2.1	0.61	mg/Kg			1	6010C
7439-89-6	Iron	79000	21	7.2	mg/Kg		J	1	6010C
7439-92-1	Lead	360	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)

Data Validation Checklist
Semivolatile Organic Analyses

Project:	35TH Avenue Superfund Site	Project No:	60430028; 1
Laboratory:	TestAmerica – Savannah, GA	Job ID.:	680-106200-3
Method:	SW-846 8270D Low-Level (PAH)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Samples Collected:	10/06/2014 & 10/07/2014
Reviewer:	Karen M Trujillo, URS Group, Inc.	Date:	08/11/2015
Concurrence[1]:	Jenine Abbassi, URS Group, Inc.	Date:	08/14/2015

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?	✓			• CV0965D-CSD6 (680-106200-32) is a field duplicate of sample CV0965D-CS6 (680-106200-31). • CV0613B-CSD6 (680-106200-45) is a field duplicate of CV0613B-CS6 (680-106200-43) • CV0753A-CSD (0-4") (680-106200-50) is a field duplicate of sample CV0753A-CS (0-4") (680-106200-49).	
15. Was precision deemed acceptable as defined by the project plans?	✓			Refer to **Attachment B** (Field Duplicate Evaluation)	
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270D) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2.	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? • Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. • An initial calibration is to be associated with each sample analysis. • A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument.	✓			• Instrument ID: CMSK • Initial Calibration: 10/07/2014 • ICV: 10/07/14 @ 17:50 • CCV: 10/17/14 @ 09:49 • Instrument ID: CMSY • Initial Calibration: 10/07/2014 • ICV: 10/07/14 @ 16:25 • CCV: 10/16/2014 @ 09:29 & 10/17/2014 @ 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)):
  ○ 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
  ○ 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)):
  ○ If %D> Control Limit (>50% for poor performers), then J flag positive results and UJ flag non-detects
  ○ If RF <0.050 (<0.010 for poor performers), then UJ flag non-detected semivolatile target compounds
	✓			• ICV of 10/17/14 @ 09:52 (ICV 680-352395/10), instrument CMSK. Indeno[1,2,3-cd]pyrene @ -20.3%D (Lab: <30, Project: <20). Negative bias. Qualification of data is not required, as there are no associated reportable sample results.
				
				• CCV of 10/17/14 @ 09:52 (CCVIS 680-354069/2), instrument CMSY. Indeno[1,2,3-cd]pyrene @ -25.8%D (Lab: <20, Project: <20). Negative bias. J and UJ-Flag the following positive and non-detect Indeno[1,2,3-cd]pyrene sample results, that are associated with this CCV:
				  ○ 680-106200-31 (CV0965D-CS6)
				  ○ 680-106200-42 (CV0509T-CS18)
				  ○ 680-106200-43 (CV0613B-CS6)
				  ○ 680-106200-44 (CV0509T-CS24)
				  ○ 680-106200-45 (CV0613B-CSD6)
				  ○ 680-106200-46 (CV0613B-CS12)
				  ○ 680-106200-47 (CV0613B-CS18)
				  ○ 680-106200-48 (CV0613B-CS24)
				  ○ 680-106200-49 [CV0753A-CS (0-4")]
				  ○ 680-106200-50 [CV0753A-CSD (0-4")]
					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	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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: 680-106200-31 (CV0965D-CS6), MS/MSD • Batch 353477: (Batch Sample), MS/MSD. Lab sample 680-106200-A-18 is a project-specific sample (CV0971WW-CS6) and results were reported under Job ID 680-106200-2.	
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		✓		680-106200-31 (CV0965D-CS6): • Acenaphthylene MS and MSD @32 and 40 %R (Lab/Project: 37-131) • Indeno[1,2,3-cd]pyrene MS and MSD @28 and 35 %R (Lab/Project: 35-148) Qualification of data is not warranted, as the MSD recovery met control limits.	
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 positive and UJ flag non-detect associated sample results (i.e., acid or BN results) • If 2 or more Acid or BN , with 1 %R >UCL and 1 %R ≥10%, but <LCL, then J flag positive and UJ flag non-detect associated sample results (i.e., acid or BN results)		✓		Surrogate o-terphenyl was not recovered (0%) during the diluted analysis of samples 680-108230-31 through -33, -36 through -38, -40 through -43, -45, -46, -49, and -50. Qualification of sample results is not warranted, as the surrogate compound was diluted out of the samples.	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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 C** (Case Narrative)	

Comments: The data validation was conducted in accordance with the *Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1* (OTIE, October 2012). The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review* (EPA, October 1999) and *USEPA CLP NFG for Low Concentration Organic Methods Data Review* (EPA, June 2001). Sample results have been qualified based on the results of the data review process (**Attachment D**). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.

DV Flag Definitions:

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

ATTACHMENT A

SAMPLE SUMMARY

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-3
Sdg Number: 680-106200-03

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-106200-31	CV0965D-CS6	Solid	10/06/2014 1530	10/11/2014 0933
680-106200-31MS	CV0965D-CS6	Solid	10/06/2014 1530	10/11/2014 0933
680-106200-31MSD	CV0965D-CS6	Solid	10/06/2014 1530	10/11/2014 0933
680-106200-32	CV0965D-CSD6	Solid	10/06/2014 1530	10/11/2014 0933
680-106200-33	CV0965D-CS12	Solid	10/06/2014 1540	10/11/2014 0933
680-106200-34	CV0965D-CS18	Solid	10/06/2014 1555	10/11/2014 0933
680-106200-35	CV0965D-CS24	Solid	10/06/2014 1600	10/11/2014 0933
680-106200-36	CV0739A-CS6	Solid	10/06/2014 1350	10/11/2014 0933
680-106200-37	CV0739A-CS12	Solid	10/06/2014 1400	10/11/2014 0933
680-106200-38	CV0739A-CS18	Solid	10/06/2014 1410	10/11/2014 0933
680-106200-39	CV0739A-CS24	Solid	10/06/2014 1420	10/11/2014 0933
680-106200-40	CV0509T-CS6	Solid	10/07/2014 0920	10/11/2014 0933
680-106200-41	CV0509T-CS12	Solid	10/07/2014 0930	10/11/2014 0933
680-106200-42	CV0509T-CS18	Solid	10/07/2014 0940	10/11/2014 0933
680-106200-43	CV0613B-CS6	Solid	10/07/2014 1450	10/11/2014 0933
680-106200-44	CV0509T-CS24	Solid	10/07/2014 0950	10/11/2014 0933
680-106200-45	CV0613B-CSD6	Solid	10/07/2014 1450	10/11/2014 0933
680-106200-46	CV0613B-CS12	Solid	10/07/2014 1500	10/11/2014 0933
680-106200-47	CV0613B-CS18	Solid	10/07/2014 1510	10/11/2014 0933
680-106200-48	CV0613B-CS24	Solid	10/07/2014 1520	10/11/2014 0933
680-106200-49	CV0753A-CS (0-4")	Solid	10/07/2014 1610	10/11/2014 0933
680-106200-50	CV0753A-CSD (0-4")	Solid	10/07/2014 1610	10/11/2014 0933

ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0965D-CS6 680-106200-31		RL	CV0965D-CSD6 680-106200-32		RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
1-Methylnaphthalene	210		84	240		74	µg/kg	395	NA	30	158	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	170		84	210		74	µg/kg	395	NA	40	158	None, absolute difference ≤ 2x Avg RL
Acenaphthylene	59	J	84	56		74	µg/kg	395	NA	3	158	None, absolute difference ≤ 2x Avg RL
Anthracene	53	J	84	60		74	µg/kg	395	NA	7	158	None, absolute difference ≤ 2x Avg RL
Benzo(a)anthracene	250		84	250		74	µg/kg	395	NA	0	158	None, absolute difference ≤ 2x Avg RL
Benzo(a)pyrene	180		84	200		74	µg/kg	395	NA	20	158	None, absolute difference ≤ 2x Avg RL
Benzo(b)fluoranthene	320		84	370		74	µg/kg	395	NA	50	158	None, absolute difference ≤ 2x Avg RL
Benzo(g,h,i)perylene	140		84	160		74	µg/kg	395	NA	20	158	None, absolute difference ≤ 2x Avg RL
Benzo(k)fluoranthene	110		84	100		74	µg/kg	395	NA	10	158	None, absolute difference ≤ 2x Avg RL
Chrysene	330		84	400		74	µg/kg	395	NA	70	158	None, absolute difference ≤ 2x Avg RL
Dibenzo(a,h)anthracene	64	J	84	83		74	µg/kg	395	NA	19	158	None, absolute difference ≤ 2x Avg RL
Fluoranthene	360		84	350		74	µg/kg	395	NA	10	158	None, absolute difference ≤ 2x Avg RL
Fluorene			84	74	J	74	µg/kg	395	NA	74	158	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	87		84	100		74	µg/kg	395	NA	13	158	None, absolute difference ≤ 2x Avg RL
Naphthalene	150		84	180		74	µg/kg	395	NA	30	158	None, absolute difference ≤ 2x Avg RL
Phenanthrene	360		84	420		74	µg/kg	395	NA	60	158	None, absolute difference ≤ 2x Avg RL
Pyrene	370		84	400		74	µg/kg	395	NA	30	158	None, absolute difference ≤ 2x Avg RL

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

µg/kg - micrograms per kilogram
J - Estimated value
NA - Not applicable
RL - Reporting limit
RPD - Relative percent difference

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

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0613B-CS6 680-106200-43		RL	CV0613B-CSD6 680-106200-45		RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
1-Methylnaphthalene	76		73	53	J	73	µg/kg	365	NA	23	146	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	91		73	66	J	73	µg/kg	365	NA	25	146	None, absolute difference ≤ 2x Avg RL
Acenaphthene	72		73	65	J	73	µg/kg	365	NA	7	146	None, absolute difference ≤ 2x Avg RL
Anthracene	210		73	180		73	µg/kg	365	NA	30	146	None, absolute difference ≤ 2x Avg RL
Benzo(a)anthracene	900		73	740		73	µg/kg	365	20	NA	NA	None, RPD ≤ 50%
Benzo(a)pyrene	920		73	780		73	µg/kg	365	16	NA	NA	None, RPD ≤ 50%
Benzo(b)fluoranthene	1500		73	1300		73	µg/kg	365	14	NA	NA	None, RPD ≤ 50%
Benzo(g,h,i)perylene	600		73	560		73	µg/kg	365	7	NA	NA	None, RPD ≤ 50%
Benzo(k)fluoranthene	530		73	450		73	µg/kg	365	16	NA	NA	None, RPD ≤ 50%
Chrysene	1100		73	870		73	µg/kg	365	23	NA	NA	None, RPD ≤ 50%
Dibenzo(a,h)anthracene	270		73	240		73	µg/kg	365	NA	30	146	None, absolute difference ≤ 2x Avg RL
Fluoranthene	1700		73	1400		73	µg/kg	365	19	NA	NA	None, RPD ≤ 50%
Fluorene	64	J	73	53	J	73	µg/kg	365	NA	11	146	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	470		73	400		73	µg/kg	365	16	NA	NA	None, RPD ≤ 50%
Naphthalene	81		73	59	J	73	µg/kg	365	NA	22	146	None, absolute difference ≤ 2x Avg RL
Phenanthrene	850		73	720		73	µg/kg	365	17	NA	NA	None, RPD ≤ 50%
Pyrene	1600		73	1200		73	µg/kg	365	**29**	NA	NA	None, RPD ≤ 50%

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

µg/kg - micrograms per kilogram
J - Estimated value
NA - Not applicable
RL - Reporting limit
RPD - Relative percent difference

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

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0753A-CS (0-4") 680-106200-49		RL	CV0753A-CDS (0-4") 680-106200-50		RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
1-Methylnaphthalene	210		77	140		76	µg/kg	382.5	NA	70	153	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	240		77	160		76	µg/kg	382.5	NA	80	153	None, absolute difference ≤ 2x Avg RL
Anthracene	45	J	77	43	J	76	µg/kg	382.5	NA	2	153	None, absolute difference ≤ 2x Avg RL
Benzo(a)anthracene	250		77	280		76	µg/kg	382.5	NA	30	153	None, absolute difference ≤ 2x Avg RL
Benzo(a)pyrene	210		77	260		76	µg/kg	382.5	NA	50	153	None, absolute difference ≤ 2x Avg RL
Benzo(b)fluoranthene	390		77	440		76	µg/kg	382.5	12	NA	NA	None, RPD ≤ 50%
Benzo(g,h,i)perylene	180		77	180		76	µg/kg	382.5	NA	0	153	None, absolute difference ≤ 2x Avg RL
Benzo(k)fluoranthene	120		77	140		76	µg/kg	382.5	NA	20	153	None, absolute difference ≤ 2x Avg RL
Chrysene	340		77	390		76	µg/kg	382.5	NA	50	153	None, absolute difference ≤ 2x Avg RL
Dibenzo(a,h)anthracene	60	J	77	110		76	µg/kg	382.5	NA	50	153	None, absolute difference ≤ 2x Avg RL
Fluoranthene	320		77	400		76	µg/kg	382.5	NA	80	153	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	100		77	130		76	µg/kg	382.5	NA	30	153	None, absolute difference ≤ 2x Avg RL
Naphthalene	170		77	130	J	76	µg/kg	382.5	NA	40	153	None, absolute difference ≤ 2x Avg RL
Phenanthrene	330		77	290		76	µg/kg	382.5	NA	40	153	None, absolute difference ≤ 2x Avg RL
Pyrene	350		77	440		76	µg/kg	382.5	NA	90	153	None, absolute difference ≤ 2x Avg RL

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

µg/kg - micrograms per kilogram
J - Estimated value
NA - Not applicable
RL - Reporting limit
RPD - Relative percent difference

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: 680-106200-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In 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 CV0965D-CS6 (680-106200-31), CV0965D-CSD6 (680-106200-32), CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0739A-CS6 (680-106200-36), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0509T-CS18 (680-106200-42), CV0613B-CS6 (680-106200-43), CV0509T-CS24 (680-106200-44), CV0613B-CSD6 (680-106200-45), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0753A-CS (0-4") (680-106200-49) and CV0753A-CSD (0-4") (680-106200-50) 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): CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0965D-CSD6 (680-106200-32), CV0509T-CS18 (680-106200-42), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0613B-CS6 (680-106200-43), CV0613B-CSD6 (680-106200-45), CV0753A-CS (0-4") (680-106200-49), CV0753A-CSD (0-4") (680-106200-50), CV0753B-CS (0-4") (680-106200-51), CV0965D-CS6 (680-106200-31), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0739A-CS6 (680-106200-36).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV0965D-CS12 (680-106200-33), CV0965D-CSD6 (680-106200-32), CV0971WW-CS6, CV0509T-CS18 (680-106200-42), CV0613B-CS12 (680-106200-46), CV0613B-CS6 (680-106200-43), CV0613B-CSD6 (680-106200-45), CV0753A-CS (0-4") (680-106200-49), CV0753A-CSD (0-4") (680-106200-50), CV0965D-CS6 (680-106200-31), CV0965D-CS6 (680-106200-31 MSD), CV0509T-CS12 (680-106200-41), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS6 (680-106200-36), CV0965D-CS6 (680-106200-31 MS). As such, surrogate and MS/MSD spike recoveries were diluted out and are not reported.

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.

Method(s) 8270D_LL_PAH: The continuing calibration verification (CCV) analyzed in batch 354071 was outside the method criteria for the following analyte(s): 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.

Acenaphthylene and Indeno[1,2,3-cd]pyrene recovery is outside criteria low for the MS of sample CV0965D-CS6 (680-106200-31) in batch 680-354069. Refer to the QC report for details.

METALS (ICP)

Samples CV0965D-CS6 (680-106200-31), CV0965D-CSD6 (680-106200-32), CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0739A-CS6 (680-106200-36), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0509T-CS18 (680-106200-42), CV0613B-CS6 (680-106200-43), CV0509T-CS24 (680-106200-44), CV0613B-CSD6 (680-106200-45), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0753A-CS (0-4") (680-106200-49) and CV0753A-CSD (0-4") (680-106200-50) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Iron was detected in method blank MB 680-353436/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Method(s) 6010C: The method blank for batch 680-353436 contained iron above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Many of the metals have recovery outside criteria low for the MS and/or MSD of sample CV0965D-CS6 (680-106200-31) in batch 680-353949. Aluminum failed the recovery criteria high. Refer to the QC report for details.

PERCENT SOLIDS/MOISTURE

Samples CV0965D-CS6 (680-106200-31), CV0965D-CSD6 (680-106200-32), CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0739A-CS6 (680-106200-36), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0509T-CS18 (680-106200-42), CV0613B-CS6 (680-106200-43), CV0509T-CS24 (680-106200-44), CV0613B-CSD6 (680-106200-45), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0753A-CS (0-4") (680-106200-49) and CV0753A-CSD (0-4") (680-106200-50) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

ATTACHMENT D

QUALIFIED SAMPLE RESULTS

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0965D-CS6 | Lab Sample ID: 680-106200-31

Matrix: Solid | Lab File ID: 1YJ1712.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 15:30

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

Sample wt/vol: 30.05(g) | Date Analyzed: 10/17/2014 13:41

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

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

% Moisture: 20.7 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	84	U	84	42
208-96-8	Acenaphthylene	59	J	84	42
120-12-7	Anthracene	53	J	84	42
56-55-3	Benzo[a]anthracene	250		84	42
50-32-8	Benzo[a]pyrene	180		84	15
205-99-2	Benzo[b]fluoranthene	320		84	42
191-24-2	Benzo[g,h,i]perylene	140		84	42
207-08-9	Benzo[k]fluoranthene	110		84	25
218-01-9	Chrysene	330		84	42
53-70-3	Dibenz(a,h)anthracene	64	J	84	42
206-44-0	Fluoranthene	360		84	42
86-73-7	Fluorene	84	U	84	42
193-39-5	Indeno[1,2,3-cd]pyrene	87	J	84	42
90-12-0	1-Methylnaphthalene	210		84	39
91-57-6	2-Methylnaphthalene	170		84	42
91-20-3	Naphthalene	150		84	42
85-01-8	Phenanthrene	360		84	30
129-00-0	Pyrene	370		84	42

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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0965D-CSD6 | Lab Sample ID: 680-106200-32

Matrix: Solid | Lab File ID: 1YJ1621.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 15:30

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 29.98(g) | Date Analyzed: 10/16/2014 19:13

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

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

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

Analysis Batch No.: 353862 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	74	U	74	36
208-96-8	Acenaphthylene	56	J	74	36
120-12-7	Anthracene	60	J	74	36
56-55-3	Benzo[a]anthracene	250		74	36
50-32-8	Benzo[a]pyrene	200		74	13
205-99-2	Benzo[b]fluoranthene	370		74	36
191-24-2	Benzo[g,h,i]perylene	160		74	36
207-08-9	Benzo[k]fluoranthene	100		74	22
218-01-9	Chrysene	400		74	36
53-70-3	Dibenz(a,h)anthracene	83		74	36
206-44-0	Fluoranthene	350		74	36
86-73-7	Fluorene	74	U	74	36
193-39-5	Indeno[1,2,3-cd]pyrene	100		74	36
90-12-0	1-Methylnaphthalene	240		74	34
91-57-6	2-Methylnaphthalene	210		74	36
91-20-3	Naphthalene	180		74	36
85-01-8	Phenanthrene	420		74	26
129-00-0	Pyrene	400		74	36

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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0965D-CS12 | Lab Sample ID: 680-106200-33

Matrix: Solid | Lab File ID: 1YJ1622.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 15:40

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.01(g) | Date Analyzed: 10/16/2014 19:35

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

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

% Moisture: 5.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353862 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	71	U	71	35
208-96-8	Acenaphthylene	71	U	71	35
120-12-7	Anthracene	46	J	71	35
56-55-3	Benzo[a]anthracene	190		71	35
50-32-8	Benzo[a]pyrene	200		71	13
205-99-2	Benzo[b]fluoranthene	300		71	35
191-24-2	Benzo[g,h,i]perylene	150		71	35
207-08-9	Benzo[k]fluoranthene	120		71	21
218-01-9	Chrysene	220		71	35
53-70-3	Dibenz(a,h)anthracene	57	J	71	35
206-44-0	Fluoranthene	240		71	35
86-73-7	Fluorene	71	U	71	35
193-39-5	Indeno[1,2,3-cd]pyrene	120		71	35
90-12-0	1-Methylnaphthalene	54	J	71	33
91-57-6	2-Methylnaphthalene	52	J	71	35
91-20-3	Naphthalene	60	J	71	35
85-01-8	Phenanthrene	210		71	25
129-00-0	Pyrene	260		71	35

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0965D-CS18 | Lab Sample ID: 680-106200-34

Matrix: Solid | Lab File ID: 1YJ1623.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 15:55

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.05(g) | Date Analyzed: 10/16/2014 19:57

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

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

% Moisture: 8.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353862 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.3	U	7.3	3.6
208-96-8	Acenaphthylene	7.3	U	7.3	3.6
120-12-7	Anthracene	5.2	J	7.3	3.6
56-55-3	Benzo[a]anthracene	18		7.3	3.6
50-32-8	Benzo[a]pyrene	19		7.3	1.3
205-99-2	Benzo[b]fluoranthene	29		7.3	3.6
191-24-2	Benzo[g,h,i]perylene	17		7.3	3.6
207-08-9	Benzo[k]fluoranthene	12		7.3	2.2
218-01-9	Chrysene	24		7.3	3.6
53-70-3	Dibenz(a,h)anthracene	5.1	J	7.3	3.6
206-44-0	Fluoranthene	30		7.3	3.6
86-73-7	Fluorene	7.3	U	7.3	3.6
193-39-5	Indeno[1,2,3-cd]pyrene	12		7.3	3.6
90-12-0	1-Methylnaphthalene	5.9	J	7.3	3.4
91-57-6	2-Methylnaphthalene	5.9	J	7.3	3.6
91-20-3	Naphthalene	4.3	J	7.3	3.6
85-01-8	Phenanthrene	26		7.3	2.6
129-00-0	Pyrene	31		7.3	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	111		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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0965D-CS24 | Lab Sample ID: 680-106200-35

Matrix: Solid | Lab File ID: 1YJ1624.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 16:00

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.01(g) | Date Analyzed: 10/16/2014 20:19

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

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

% Moisture: 10.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353862 | 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	7.5	U	7.5	3.7
56-55-3	Benzo[a]anthracene	7.8		7.5	3.7
50-32-8	Benzo[a]pyrene	8.0		7.5	1.3
205-99-2	Benzo[b]fluoranthene	12		7.5	3.7
191-24-2	Benzo[g,h,i]perylene	7.5		7.5	3.7
207-08-9	Benzo[k]fluoranthene	4.8	J	7.5	2.2
218-01-9	Chrysene	11		7.5	3.7
53-70-3	Dibenz(a,h)anthracene	7.5	U	7.5	3.7
206-44-0	Fluoranthene	12		7.5	3.7
86-73-7	Fluorene	7.5	U	7.5	3.7
193-39-5	Indeno[1,2,3-cd]pyrene	4.8	J	7.5	3.7
90-12-0	1-Methylnaphthalene	4.1	J	7.5	3.5
91-57-6	2-Methylnaphthalene	7.5	U	7.5	3.7
91-20-3	Naphthalene	7.5	U	7.5	3.7
85-01-8	Phenanthrene	9.8		7.5	2.7
129-00-0	Pyrene	14		7.5	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	106		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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0739A-CS6 | Lab Sample ID: 680-106200-36

Matrix: Solid | Lab File ID: 1KJ1711.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 13:50

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.04(g) | Date Analyzed: 10/17/2014 14:31

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354071 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	530		150	72
208-96-8	Acenaphthylene	130	J	150	72
120-12-7	Anthracene	1200		150	72
56-55-3	Benzo[a]anthracene	4700		150	72
50-32-8	Benzo[a]pyrene	3900		150	26
205-99-2	Benzo[b]fluoranthene	5700		150	72
191-24-2	Benzo[g,h,i]perylene	1300		150	72
207-08-9	Benzo[k]fluoranthene	2900		150	44
218-01-9	Chrysene	5000		150	72
53-70-3	Dibenz(a,h)anthracene	510		150	72
206-44-0	Fluoranthene	9900		150	72
86-73-7	Fluorene	460		150	72
193-39-5	Indeno[1,2,3-cd]pyrene	1300		150	72
90-12-0	1-Methylnaphthalene	230		150	68
91-57-6	2-Methylnaphthalene	290		150	72
91-20-3	Naphthalene	410		150	72
85-01-8	Phenanthrene	5700		150	52
129-00-0	Pyrene	8200		150	72

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0739A-CS12 | Lab Sample ID: 680-106200-37

Matrix: Solid | Lab File ID: 1KJ1715.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 14:00

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 29.99(g) | Date Analyzed: 10/17/2014 16:03

Con. Extract Vol.: 1(mL) | Dilution Factor: 50

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 6.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354071 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	230	J	360	180
208-96-8	Acenaphthylene	2400		360	180
120-12-7	Anthracene	3000		360	180
56-55-3	Benzo[a]anthracene	6600		360	180
50-32-8	Benzo[a]pyrene	3600		360	64
205-99-2	Benzo[b]fluoranthene	6800		360	180
191-24-2	Benzo[g,h,i]perylene	970		360	180
207-08-9	Benzo[k]fluoranthene	2600		360	110
218-01-9	Chrysene	6800		360	180
53-70-3	Dibenz(a,h)anthracene	480		360	180
206-44-0	Fluoranthene	16000		360	180
86-73-7	Fluorene	1900		360	180
193-39-5	Indeno[1,2,3-cd]pyrene	970		360	180
90-12-0	1-Methylnaphthalene	780		360	170
91-57-6	2-Methylnaphthalene	1200		360	180
91-20-3	Naphthalene	3300		360	180
85-01-8	Phenanthrene	12000		360	130
129-00-0	Pyrene	10000		360	180

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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0739A-CS18 | Lab Sample ID: 680-106200-38

Matrix: Solid | Lab File ID: 1KJ1713.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 14:10

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 29.99(g) | Date Analyzed: 10/17/2014 15:17

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354071 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	97		77	38
208-96-8	Acenaphthylene	500		77	38
120-12-7	Anthracene	980		77	38
56-55-3	Benzo[a]anthracene	920		77	38
50-32-8	Benzo[a]pyrene	320		77	14
205-99-2	Benzo[b]fluoranthene	690		77	38
191-24-2	Benzo[g,h,i]perylene	71	J	77	38
207-08-9	Benzo[k]fluoranthene	250		77	23
218-01-9	Chrysene	950		77	38
53-70-3	Dibenz(a,h)anthracene	53	J	77	38
206-44-0	Fluoranthene	2800		77	38
86-73-7	Fluorene	1400		77	38
193-39-5	Indeno[1,2,3-cd]pyrene	73	J	77	38
90-12-0	1-Methylnaphthalene	450		77	36
91-57-6	2-Methylnaphthalene	890		77	38
91-20-3	Naphthalene	2000		77	38
85-01-8	Phenanthrene	4200		77	28
129-00-0	Pyrene	1600		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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0739A-CS24 | Lab Sample ID: 680-106200-39

Matrix: Solid | Lab File ID: 1KJ1708.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 14:20

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 12:13

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 17.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354071 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	10		8.1	4.0
208-96-8	Acenaphthylene	37		8.1	4.0
120-12-7	Anthracene	16		8.1	4.0
56-55-3	Benzo[a]anthracene	71		8.1	4.0
50-32-8	Benzo[a]pyrene	38		8.1	1.5
205-99-2	Benzo[b]fluoranthene	110		8.1	4.0
191-24-2	Benzo[g,h,i]perylene	12		8.1	4.0
207-08-9	Benzo[k]fluoranthene	32		8.1	2.4
218-01-9	Chrysene	120		8.1	4.0
53-70-3	Dibenz(a,h)anthracene	6.8	J	8.1	4.0
206-44-0	Fluoranthene	140		8.1	4.0
86-73-7	Fluorene	15		8.1	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	7.8	J	8.1	4.0
90-12-0	1-Methylnaphthalene	69		8.1	3.7
91-57-6	2-Methylnaphthalene	88		8.1	4.0
91-20-3	Naphthalene	150		8.1	4.0
85-01-8	Phenanthrene	130		8.1	2.9
129-00-0	Pyrene	110		8.1	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	59		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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0509T-CS6 | Lab Sample ID: 680-106200-40

Matrix: Solid | Lab File ID: 1KJ1709.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 09:20

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.05(g) | Date Analyzed: 10/17/2014 12:36

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354071 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	62	J	74	37
208-96-8	Acenaphthylene	74	U	74	37
120-12-7	Anthracene	140		74	37
56-55-3	Benzo[a]anthracene	910		74	37
50-32-8	Benzo[a]pyrene	810		74	13
205-99-2	Benzo[b]fluoranthene	1300		74	37
191-24-2	Benzo[g,h,i]perylene	330		74	37
207-08-9	Benzo[k]fluoranthene	430		74	22
218-01-9	Chrysene	890		74	37
53-70-3	Dibenz(a,h)anthracene	100		74	37
206-44-0	Fluoranthene	1600		74	37
86-73-7	Fluorene	56	J	74	37
193-39-5	Indeno[1,2,3-cd]pyrene	300		74	37
90-12-0	1-Methylnaphthalene	42	J	74	34
91-57-6	2-Methylnaphthalene	58	J	74	37
91-20-3	Naphthalene	45	J	74	37
85-01-8	Phenanthrene	590		74	27
129-00-0	Pyrene	1200		74	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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0509T-CS12 | Lab Sample ID: 680-106200-41

Matrix: Solid | Lab File ID: 1KJ1714.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 09:30

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 29.99(g) | Date Analyzed: 10/17/2014 15:40

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354071 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	74	U	74	36
208-96-8	Acenaphthylene	74	U	74	36
120-12-7	Anthracene	74	U	74	36
56-55-3	Benzo[a]anthracene	110		74	36
50-32-8	Benzo[a]pyrene	110		74	13
205-99-2	Benzo[b]fluoranthene	170		74	36
191-24-2	Benzo[g,h,i]perylene	59	J	74	36
207-08-9	Benzo[k]fluoranthene	76		74	22
218-01-9	Chrysene	130		74	36
53-70-3	Dibenz(a,h)anthracene	74	U	74	36
206-44-0	Fluoranthene	210		74	36
86-73-7	Fluorene	74	U	74	36
193-39-5	Indeno[1,2,3-cd]pyrene	42	J	74	36
90-12-0	1-Methylnaphthalene	74	U	74	34
91-57-6	2-Methylnaphthalene	74	U	74	36
91-20-3	Naphthalene	74	U	74	36
85-01-8	Phenanthrene	91		74	27
129-00-0	Pyrene	170		74	36

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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0509T-CS18 | Lab Sample ID: 680-106200-42

Matrix: Solid | Lab File ID: 1YJ1714.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 09:40

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

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 14:25

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

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

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

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	75	U	75	37
208-96-8	Acenaphthylene	75	U	75	37
120-12-7	Anthracene	75	U	75	37
56-55-3	Benzo[a]anthracene	79		75	37
50-32-8	Benzo[a]pyrene	78		75	13
205-99-2	Benzo[b]fluoranthene	140		75	37
191-24-2	Benzo[g,h,i]perylene	63	J	75	37
207-08-9	Benzo[k]fluoranthene	49	J	75	22
218-01-9	Chrysene	100		75	37
53-70-3	Dibenz(a,h)anthracene	75	U	75	37
206-44-0	Fluoranthene	120		75	37
86-73-7	Fluorene	75	U	75	37
193-39-5	Indeno[1,2,3-cd]pyrene	52	~~J~~ J	75	37
90-12-0	1-Methylnaphthalene	75	U	75	35
91-57-6	2-Methylnaphthalene	75	U	75	37
91-20-3	Naphthalene	75	U	75	37
85-01-8	Phenanthrene	62	J	75	27
129-00-0	Pyrene	110		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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0613B-CS6 | Lab Sample ID: 680-106200-43

Matrix: Solid | Lab File ID: 1YJ1715.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 14:50

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

Sample wt/vol: 30.04(g) | Date Analyzed: 10/17/2014 14:48

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

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

% Moisture: 8.3 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	72	J	73	36
208-96-8	Acenaphthylene	73	U	73	36
120-12-7	Anthracene	210		73	36
56-55-3	Benzo[a]anthracene	900		73	36
50-32-8	Benzo[a]pyrene	920		73	13
205-99-2	Benzo[b]fluoranthene	1500		73	36
191-24-2	Benzo[g,h,i]perylene	600		73	36
207-08-9	Benzo[k]fluoranthene	530		73	22
218-01-9	Chrysene	1100		73	36
53-70-3	Dibenz(a,h)anthracene	270		73	36
206-44-0	Fluoranthene	1700		73	36
86-73-7	Fluorene	64	J	73	36
193-39-5	Indeno[1,2,3-cd]pyrene	470	J	73	36
90-12-0	1-Methylnaphthalene	76		73	34
91-57-6	2-Methylnaphthalene	91		73	36
91-20-3	Naphthalene	81		73	36
85-01-8	Phenanthrene	850		73	26
129-00-0	Pyrene	1600		73	36

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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0509T-CS24 | Lab Sample ID: 680-106200-44

Matrix: Solid | Lab File ID: 1YJ1716.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 09:50

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

Sample wt/vol: 30.05(g) | Date Analyzed: 10/17/2014 15:10

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

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

% Moisture: 14.7 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.8	U	7.8	3.9
208-96-8	Acenaphthylene	7.8	U	7.8	3.9
120-12-7	Anthracene	7.8	U	7.8	3.9
56-55-3	Benzo[a]anthracene	7.8	U	7.8	3.9
50-32-8	Benzo[a]pyrene	7.8	U	7.8	1.4
205-99-2	Benzo[b]fluoranthene	7.8	U	7.8	3.9
191-24-2	Benzo[g,h,i]perylene	7.8	U	7.8	3.9
207-08-9	Benzo[k]fluoranthene	7.8	U	7.8	2.3
218-01-9	Chrysene	7.8	U	7.8	3.9
53-70-3	Dibenz(a,h)anthracene	7.8	U	7.8	3.9
206-44-0	Fluoranthene	7.8	U	7.8	3.9
86-73-7	Fluorene	7.8	U	7.8	3.9
193-39-5	Indeno[1,2,3-cd]pyrene	7.8	U J	7.8	3.9
90-12-0	1-Methylnaphthalene	7.8	U	7.8	3.6
91-57-6	2-Methylnaphthalene	7.8	U	7.8	3.9
91-20-3	Naphthalene	7.8	U	7.8	3.9
85-01-8	Phenanthrene	7.8	U	7.8	2.8
129-00-0	Pyrene	7.8	U	7.8	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	101		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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0613B-CSD6 | Lab Sample ID: 680-106200-45

Matrix: Solid | Lab File ID: 1YJ1717.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 14:50

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

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 15:32

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

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

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	65	J	73	36
208-96-8	Acenaphthylene	73	U	73	36
120-12-7	Anthracene	180		73	36
56-55-3	Benzo[a]anthracene	740		73	36
50-32-8	Benzo[a]pyrene	780		73	13
205-99-2	Benzo[b]fluoranthene	1300		73	36
191-24-2	Benzo[g,h,i]perylene	560		73	36
207-08-9	Benzo[k]fluoranthene	450		73	22
218-01-9	Chrysene	870		73	36
53-70-3	Dibenz(a,h)anthracene	240		73	36
206-44-0	Fluoranthene	1400		73	36
86-73-7	Fluorene	53	J	73	36
193-39-5	Indeno[1,2,3-cd]pyrene	400	J	73	36
90-12-0	1-Methylnaphthalene	53	J	73	34
91-57-6	2-Methylnaphthalene	66	J	73	36
91-20-3	Naphthalene	59	J	73	36
85-01-8	Phenanthrene	720		73	26
129-00-0	Pyrene	1200		73	36

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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0613B-CS12 | Lab Sample ID: 680-106200-46

Matrix: Solid | Lab File ID: 1YJ1718.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 15:00

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

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 15:54

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

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

% Moisture: 7.3 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	72	U	72	36
208-96-8	Acenaphthylene	72	U	72	36
120-12-7	Anthracene	72	U	72	36
56-55-3	Benzo[a]anthracene	250		72	36
50-32-8	Benzo[a]pyrene	200		72	13
205-99-2	Benzo[b]fluoranthene	290		72	36
191-24-2	Benzo[g,h,i]perylene	130		72	36
207-08-9	Benzo[k]fluoranthene	130		72	22
218-01-9	Chrysene	290		72	36
53-70-3	Dibenz(a,h)anthracene	53	J	72	36
206-44-0	Fluoranthene	400		72	36
86-73-7	Fluorene	72	U	72	36
193-39-5	Indeno[1,2,3-cd]pyrene	90	J	72	36
90-12-0	1-Methylnaphthalene	120		72	33
91-57-6	2-Methylnaphthalene	110		72	36
91-20-3	Naphthalene	65	J	72	36
85-01-8	Phenanthrene	230		72	26
129-00-0	Pyrene	430		72	36

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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0613B-CS18 | Lab Sample ID: 680-106200-47

Matrix: Solid | Lab File ID: 1YJ1719.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 15:10

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

Sample wt/vol: 30.02(g) | Date Analyzed: 10/17/2014 16:16

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

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

% Moisture: 21.3 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.5	U	8.5	4.2
208-96-8	Acenaphthylene	7.2	J	8.5	4.2
120-12-7	Anthracene	11		8.5	4.2
56-55-3	Benzo[a]anthracene	73		8.5	4.2
50-32-8	Benzo[a]pyrene	63		8.5	1.5
205-99-2	Benzo[b]fluoranthene	95		8.5	4.2
191-24-2	Benzo[g,h,i]perylene	50		8.5	4.2
207-08-9	Benzo[k]fluoranthene	42		8.5	2.5
218-01-9	Chrysene	85		8.5	4.2
53-70-3	Dibenz(a,h)anthracene	19		8.5	4.2
206-44-0	Fluoranthene	110		8.5	4.2
86-73-7	Fluorene	8.5	U J	8.5	4.2
193-39-5	Indeno[1,2,3-cd]pyrene	32		8.5	4.2
90-12-0	1-Methylnaphthalene	46		8.5	3.9
91-57-6	2-Methylnaphthalene	45		8.5	4.2
91-20-3	Naphthalene	24		8.5	4.2
85-01-8	Phenanthrene	74		8.5	3.0
129-00-0	Pyrene	120		8.5	4.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	93		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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0613B-CS24 | Lab Sample ID: 680-106200-48

Matrix: Solid | Lab File ID: 1YJ1720.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 15:20

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

Sample wt/vol: 30.02(g) | Date Analyzed: 10/17/2014 16:39

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

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

% Moisture: 10.4 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.5	U	7.5	3.7
208-96-8	Acenaphthylene	7.5	U	7.5	3.7
120-12-7	Anthracene	7.5	U	7.5	3.7
56-55-3	Benzo[a]anthracene	8.5		7.5	3.7
50-32-8	Benzo[a]pyrene	8.0		7.5	1.3
205-99-2	Benzo[b]fluoranthene	12		7.5	3.7
191-24-2	Benzo[g,h,i]perylene	7.4	J	7.5	3.7
207-08-9	Benzo[k]fluoranthene	4.9	J	7.5	2.2
218-01-9	Chrysene	9.8		7.5	3.7
53-70-3	Dibenz(a,h)anthracene	7.5	U	7.5	3.7
206-44-0	Fluoranthene	9.8		7.5	3.7
86-73-7	Fluorene	7.5	U	7.5	3.7
193-39-5	Indeno[1,2,3-cd]pyrene	5.2	~~J~~ J	7.5	3.7
90-12-0	1-Methylnaphthalene	4.1	J	7.5	3.5
91-57-6	2-Methylnaphthalene	3.9	J	7.5	3.7
91-20-3	Naphthalene	7.5	U	7.5	3.7
85-01-8	Phenanthrene	6.7	J	7.5	2.7
129-00-0	Pyrene	11		7.5	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	104		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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0753A-CS (0-4") | Lab Sample ID: 680-106200-49

Matrix: Solid | Lab File ID: 1YJ1721.D

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

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

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 17:01

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	45	J	77	38
56-55-3	Benzo[a]anthracene	250		77	38
50-32-8	Benzo[a]pyrene	210		77	14
205-99-2	Benzo[b]fluoranthene	390		77	38
191-24-2	Benzo[g,h,i]perylene	180		77	38
207-08-9	Benzo[k]fluoranthene	120		77	23
218-01-9	Chrysene	340		77	38
53-70-3	Dibenz(a,h)anthracene	60	J	77	38
206-44-0	Fluoranthene	320		77	38
86-73-7	Fluorene	77	U	77	38
193-39-5	Indeno[1,2,3-cd]pyrene	100	J	77	38
90-12-0	1-Methylnaphthalene	210		77	36
91-57-6	2-Methylnaphthalene	240		77	38
91-20-3	Naphthalene	170		77	38
85-01-8	Phenanthrene	330		77	27
129-00-0	Pyrene	350		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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0753A-CSD (0-4") | Lab Sample ID: 680-106200-50

Matrix: Solid | Lab File ID: 1YJ1722.D

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

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

Sample wt/vol: 30.03(g) | Date Analyzed: 10/17/2014 17:23

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

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

% Moisture: 12.4 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	76	U	76	38
208-96-8	Acenaphthylene	76	U	76	38
120-12-7	Anthracene	43	J	76	38
56-55-3	Benzo[a]anthracene	280		76	38
50-32-8	Benzo[a]pyrene	260		76	14
205-99-2	Benzo[b]fluoranthene	440		76	38
191-24-2	Benzo[g,h,i]perylene	180		76	38
207-08-9	Benzo[k]fluoranthene	140		76	23
218-01-9	Chrysene	390		76	38
53-70-3	Dibenz(a,h)anthracene	110		76	38
206-44-0	Fluoranthene	400		76	38
86-73-7	Fluorene	76	U	76	38
193-39-5	Indeno[1,2,3-cd]pyrene	130	J	76	38
90-12-0	1-Methylnaphthalene	140		76	35
91-57-6	2-Methylnaphthalene	160		76	38
91-20-3	Naphthalene	130		76	38
85-01-8	Phenanthrene	290		76	27
129-00-0	Pyrene	440		76	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)

ANALYTICAL REPORT

Job Number: 680-106200-3

SDG Number: 680-106200-03

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 3:57 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

Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Sample Summary 6

Method Summary 7

Method / Analyst Summary 8

Data Qualifiers 9

QC Association Summary 10

Manual Integration Summary 16

Organic Sample Data 22

GC/MS Semi VOA 22

Method 8270D Low Level 22

Method 8270D Low Level QC Summary 23

Method 8270D Low Level Sample Data 51

Standards Data 430

Method 8270D Low Level ICAL Data 430

Method 8270D Low Level CCAL Data 468

Raw QC Data 485

Method 8270D Low Level Tune Data 485

Method 8270D Low Level Blank Data 512

Method 8270D Low Level LCS/LCSD Data 518

Method 8270D Low Level MS/MSD Data 527

Method 8270D Low Level Run Logs 549

Method 8270D Low Level Prep Data 554

Inorganic Sample Data 558

Metals Data 558

Table of Contents

Met Cover Page 559

Met Sample Data 560

Met QC Data 580

Met ICV/CCV 580

Met CRQL 592

Met Blanks 595

Met ICSA/ICSAB 610

Met MS/MSD/PDS 620

Met LCS/LCSD 635

Met Serial Dilution 640

Met MDL 645

Met IECF 647

Met Linear Ranges 649

Met Preparation Log 650

Met Analysis Run Log 655

Met Raw Data 676

Met Prep Data 1475

Shipping and Receiving Documents 1485

Client Chain of Custody 1486

Sample Receipt Checklist 1488

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-106200-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In 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 CV0965D-CS6 (680-106200-31), CV0965D-CSD6 (680-106200-32), CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0739A-CS6 (680-106200-36), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0509T-CS18 (680-106200-42), CV0613B-CS6 (680-106200-43), CV0509T-CS24 (680-106200-44), CV0613B-CSD6 (680-106200-45), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0753A-CS (0-4") (680-106200-49) and CV0753A-CSD (0-4") (680-106200-50) 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): CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0965D-CSD6 (680-106200-32), CV0509T-CS18 (680-106200-42), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0613B-CS6 (680-106200-43), CV0613B-CSD6 (680-106200-45), CV0753A-CS (0-4") (680-106200-49), CV0753A-CSD (0-4") (680-106200-50), CV0753B-CS (0-4") (680-106200-51), CV0965D-CS6 (680-106200-31), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0739A-CS6 (680-106200-36).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV0965D-CS12 (680-106200-33), CV0965D-CSD6 (680-106200-32), CV0971WW-CS6, CV0509T-CS18 (680-106200-42), CV0613B-CS12 (680-106200-46), CV0613B-CS6 (680-106200-43), CV0613B-CSD6 (680-106200-45), CV0753A-CS (0-4") (680-106200-49), CV0753A-CSD (0-4") (680-106200-50), CV0965D-CS6 (680-106200-31), CV0965D-CS6 (680-106200-31 MSD), CV0509T-CS12 (680-106200-41), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS6 (680-106200-36), CV0965D-CS6 (680-106200-31 MS). As such, surrogate and MS/MSD spike recoveries were diluted out and are not reported.

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.

Method(s) 8270D_LL_PAH: The continuing calibration verification (CCV) analyzed in batch 354071 was outside the method criteria for the following analyte(s): 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.

Acenaphthylene and Indeno[1,2,3-cd]pyrene recovery is outside criteria low for the MS of sample CV0965D-CS6 (680-106200-31) in batch 680-354069. Refer to the QC report for details.

METALS (ICP)

Samples CV0965D-CS6 (680-106200-31), CV0965D-CSD6 (680-106200-32), CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0739A-CS6 (680-106200-36), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0509T-CS18 (680-106200-42), CV0613B-CS6 (680-106200-43), CV0509T-CS24 (680-106200-44), CV0613B-CSD6 (680-106200-45), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0753A-CS (0-4") (680-106200-49) and CV0753A-CSD (0-4") (680-106200-50) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Iron was detected in method blank MB 680-353436/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Method(s) 6010C: The method blank for batch 680-353436 contained iron above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Many of the metals have recovery outside criteria low for the MS and/or MSD of sample CV0965D-CS6 (680-106200-31) in batch 680-353949. Aluminum failed the recovery criteria high. Refer to the QC report for details.

PERCENT SOLIDS/MOISTURE

Samples CV0965D-CS6 (680-106200-31), CV0965D-CSD6 (680-106200-32), CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0739A-CS6 (680-106200-36), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0509T-CS18 (680-106200-42), CV0613B-CS6 (680-106200-43), CV0509T-CS24 (680-106200-44), CV0613B-CSD6 (680-106200-45), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0753A-CS (0-4") (680-106200-49) and CV0753A-CSD (0-4") (680-106200-50) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-3
Sdg Number: 680-106200-03

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-106200-31	CV0965D-CS6	Solid	10/06/2014 1530	10/11/2014 0933
680-106200-31MS	CV0965D-CS6	Solid	10/06/2014 1530	10/11/2014 0933
680-106200-31MSD	CV0965D-CS6	Solid	10/06/2014 1530	10/11/2014 0933
680-106200-32	CV0965D-CSD6	Solid	10/06/2014 1530	10/11/2014 0933
680-106200-33	CV0965D-CS12	Solid	10/06/2014 1540	10/11/2014 0933
680-106200-34	CV0965D-CS18	Solid	10/06/2014 1555	10/11/2014 0933
680-106200-35	CV0965D-CS24	Solid	10/06/2014 1600	10/11/2014 0933
680-106200-36	CV0739A-CS6	Solid	10/06/2014 1350	10/11/2014 0933
680-106200-37	CV0739A-CS12	Solid	10/06/2014 1400	10/11/2014 0933
680-106200-38	CV0739A-CS18	Solid	10/06/2014 1410	10/11/2014 0933
680-106200-39	CV0739A-CS24	Solid	10/06/2014 1420	10/11/2014 0933
680-106200-40	CV0509T-CS6	Solid	10/07/2014 0920	10/11/2014 0933
680-106200-41	CV0509T-CS12	Solid	10/07/2014 0930	10/11/2014 0933
680-106200-42	CV0509T-CS18	Solid	10/07/2014 0940	10/11/2014 0933
680-106200-43	CV0613B-CS6	Solid	10/07/2014 1450	10/11/2014 0933
680-106200-44	CV0509T-CS24	Solid	10/07/2014 0950	10/11/2014 0933
680-106200-45	CV0613B-CSD6	Solid	10/07/2014 1450	10/11/2014 0933
680-106200-46	CV0613B-CS12	Solid	10/07/2014 1500	10/11/2014 0933
680-106200-47	CV0613B-CS18	Solid	10/07/2014 1510	10/11/2014 0933
680-106200-48	CV0613B-CS24	Solid	10/07/2014 1520	10/11/2014 0933
680-106200-49	CV0753A-CS (0-4")	Solid	10/07/2014 1610	10/11/2014 0933
680-106200-50	CV0753A-CSD (0-4")	Solid	10/07/2014 1610	10/11/2014 0933

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-3
Sdg Number: 680-106200-03

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: 680-106200-3
Sdg Number: 680-106200-03

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: 680-106200-3
Sdg Number: 680-106200-03

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	F2	MS/MSD RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
Metals		
	B	Compound was found in the blank and sample.
	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.
	W	PS: Post-digestion spike was outside control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	V	Serial Dilution exceeds the control limits

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-3
Sdg Number: 680-106200-03

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 680-353477					
LCS 680-353477/22-A	Lab Control Sample	T	Solid	3546	
MB 680-353477/21-A	Method Blank	T	Solid	3546	
680-106200-A-18-B MS	Matrix Spike	T	Solid	3546	
680-106200-A-18-C MSD	Matrix Spike Duplicate	T	Solid	3546	
680-106200-32	CV0965D-CSD6	T	Solid	3546	
680-106200-33	CV0965D-CS12	T	Solid	3546	
680-106200-34	CV0965D-CS18	T	Solid	3546	
680-106200-35	CV0965D-CS24	T	Solid	3546	
680-106200-36	CV0739A-CS6	T	Solid	3546	
680-106200-37	CV0739A-CS12	T	Solid	3546	
680-106200-38	CV0739A-CS18	T	Solid	3546	
680-106200-39	CV0739A-CS24	T	Solid	3546	
680-106200-40	CV0509T-CS6	T	Solid	3546	
680-106200-41	CV0509T-CS12	T	Solid	3546	
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	
680-106200-31	CV0965D-CS6	T	Solid	3546	
680-106200-31MS	Matrix Spike	T	Solid	3546	
680-106200-31MSD	Matrix Spike Duplicate	T	Solid	3546	
680-106200-42	CV0509T-CS18	T	Solid	3546	
680-106200-43	CV0613B-CS6	T	Solid	3546	
680-106200-44	CV0509T-CS24	T	Solid	3546	
680-106200-45	CV0613B-CSD6	T	Solid	3546	
680-106200-46	CV0613B-CS12	T	Solid	3546	
680-106200-47	CV0613B-CS18	T	Solid	3546	
680-106200-48	CV0613B-CS24	T	Solid	3546	
680-106200-49	CV0753A-CS (0-4")	T	Solid	3546	
680-106200-50	CV0753A-CSD (0-4")	T	Solid	3546	
680-106200-A-51-D MS	Matrix Spike	T	Solid	3546	
680-106200-A-51-E MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:680-353862					
LCS 680-353477/22-A	Lab Control Sample	T	Solid	8270D_LL_PAH	680-353477
MB 680-353477/21-A	Method Blank	T	Solid	8270D_LL_PAH	680-353477
680-106200-A-18-B MS	Matrix Spike	T	Solid	8270D_LL_PAH	680-353477
680-106200-A-18-C MSD	Matrix Spike Duplicate	T	Solid	8270D_LL_PAH	680-353477
680-106200-32	CV0965D-CSD6	T	Solid	8270D_LL_PAH	680-353477
680-106200-33	CV0965D-CS12	T	Solid	8270D_LL_PAH	680-353477
680-106200-34	CV0965D-CS18	T	Solid	8270D_LL_PAH	680-353477
680-106200-35	CV0965D-CS24	T	Solid	8270D_LL_PAH	680-353477

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-3
Sdg Number: 680-106200-03

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
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
680-106200-31	CV0965D-CS6	T	Solid	8270D_LL_PAH	680-353671
680-106200-31MS	Matrix Spike	T	Solid	8270D_LL_PAH	680-353671
680-106200-31MSD	Matrix Spike Duplicate	T	Solid	8270D_LL_PAH	680-353671
680-106200-42	CV0509T-CS18	T	Solid	8270D_LL_PAH	680-353671
680-106200-43	CV0613B-CS6	T	Solid	8270D_LL_PAH	680-353671
680-106200-44	CV0509T-CS24	T	Solid	8270D_LL_PAH	680-353671
680-106200-45	CV0613B-CSD6	T	Solid	8270D_LL_PAH	680-353671
680-106200-46	CV0613B-CS12	T	Solid	8270D_LL_PAH	680-353671
680-106200-47	CV0613B-CS18	T	Solid	8270D_LL_PAH	680-353671
680-106200-48	CV0613B-CS24	T	Solid	8270D_LL_PAH	680-353671
680-106200-49	CV0753A-CS (0-4")	T	Solid	8270D_LL_PAH	680-353671
680-106200-50	CV0753A-CSD (0-4")	T	Solid	8270D_LL_PAH	680-353671
680-106200-A-51-D MS	Matrix Spike	T	Solid	8270D_LL_PAH	680-353671
680-106200-A-51-E MSD	Matrix Spike Duplicate	T	Solid	8270D_LL_PAH	680-353671
Analysis Batch:680-354071					
680-106200-36	CV0739A-CS6	T	Solid	8270D_LL_PAH	680-353477
680-106200-37	CV0739A-CS12	T	Solid	8270D_LL_PAH	680-353477
680-106200-38	CV0739A-CS18	T	Solid	8270D_LL_PAH	680-353477
680-106200-39	CV0739A-CS24	T	Solid	8270D_LL_PAH	680-353477
680-106200-40	CV0509T-CS6	T	Solid	8270D_LL_PAH	680-353477
680-106200-41	CV0509T-CS12	T	Solid	8270D_LL_PAH	680-353477

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-3
Sdg Number: 680-106200-03

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	
680-106200-46	CV0613B-CS12	T	Solid	3050B	
680-106200-48	CV0613B-CS24	T	Solid	3050B	
680-106200-49	CV0753A-CS (0-4")	T	Solid	3050B	
680-106200-50	CV0753A-CSD (0-4")	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	
680-106200-41	CV0509T-CS12	T	Solid	3050B	
680-106200-42	CV0509T-CS18	T	Solid	3050B	
680-106200-43	CV0613B-CS6	T	Solid	3050B	
680-106200-44	CV0509T-CS24	T	Solid	3050B	
680-106200-45	CV0613B-CSD6	T	Solid	3050B	
680-106200-47	CV0613B-CS18	T	Solid	3050B	
680-106200-A-51-A MS	Matrix Spike	T	Solid	3050B	
680-106200-A-51-B MSD	Matrix Spike Duplicate	T	Solid	3050B	
Prep Batch: 680-353312					
LCS 680-353312/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-353312/1-A	Method Blank	T	Solid	3050B	
680-106200-A-1-A MS	Matrix Spike	T	Solid	3050B	
680-106200-A-1-B MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-106200-33	CV0965D-CS12	T	Solid	3050B	
680-106200-34	CV0965D-CS18	T	Solid	3050B	
680-106200-35	CV0965D-CS24	T	Solid	3050B	
680-106200-36	CV0739A-CS6	T	Solid	3050B	
680-106200-38	CV0739A-CS18	T	Solid	3050B	
680-106200-39	CV0739A-CS24	T	Solid	3050B	
Prep Batch: 680-353346					
LCS 680-353346/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-353346/1-A	Method Blank	T	Solid	3050B	
680-106200-31	CV0965D-CS6	T	Solid	3050B	
680-106200-31MS	Matrix Spike	T	Solid	3050B	
680-106200-31MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-106200-32	CV0965D-CSD6	T	Solid	3050B	
680-106200-40	CV0509T-CS6	T	Solid	3050B	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-3
Sdg Number: 680-106200-03

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
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
680-106200-46	CV0613B-CS12	T	Solid	6010C	680-353249
680-106200-48	CV0613B-CS24	T	Solid	6010C	680-353249
680-106200-49	CV0753A-CS (0-4")	T	Solid	6010C	680-353249
680-106200-50	CV0753A-CSD (0-4")	T	Solid	6010C	680-353249
Prep Batch: 680-353436					
LCS 680-353436/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-353436/1-A	Method Blank	T	Solid	3050B	
680-106194-B-2-B MS	Matrix Spike	T	Solid	3050B	
680-106194-B-2-C MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-106200-37	CV0739A-CS12	T	Solid	3050B	
Analysis Batch:680-353783					
680-106200-48	CV0613B-CS24	T	Solid	6010C	680-353249
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
LCS 680-353346/2-A	Lab Control Sample	T	Solid	6010C	680-353346
MB 680-353346/1-A	Method Blank	T	Solid	6010C	680-353346
LCS 680-353436/2-A	Lab Control Sample	T	Solid	6010C	680-353436
MB 680-353436/1-A	Method Blank	T	Solid	6010C	680-353436
680-106194-B-2-B MS	Matrix Spike	T	Solid	6010C	680-353436
680-106194-B-2-C MSD	Matrix Spike Duplicate	T	Solid	6010C	680-353436
680-106200-31	CV0965D-CS6	T	Solid	6010C	680-353346
680-106200-31MS	Matrix Spike	T	Solid	6010C	680-353346
680-106200-31MSD	Matrix Spike Duplicate	T	Solid	6010C	680-353346
680-106200-32	CV0965D-CSD6	T	Solid	6010C	680-353346
680-106200-37	CV0739A-CS12	T	Solid	6010C	680-353436
680-106200-40	CV0509T-CS6	T	Solid	6010C	680-353346
680-106200-41	CV0509T-CS12	T	Solid	6010C	680-353262
680-106200-42	CV0509T-CS18	T	Solid	6010C	680-353262
680-106200-43	CV0613B-CS6	T	Solid	6010C	680-353262
680-106200-44	CV0509T-CS24	T	Solid	6010C	680-353262
680-106200-45	CV0613B-CSD6	T	Solid	6010C	680-353262
680-106200-47	CV0613B-CS18	T	Solid	6010C	680-353262
680-106200-A-51-A MS	Matrix Spike	T	Solid	6010C	680-353262
680-106200-A-51-B MSD	Matrix Spike Duplicate	T	Solid	6010C	680-353262

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-3
Sdg Number: 680-106200-03

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-354233					
LCS 680-353312/2-A	Lab Control Sample	T	Solid	6010C	680-353312
MB 680-353312/1-A	Method Blank	T	Solid	6010C	680-353312
680-106200-A-1-A MS	Matrix Spike	T	Solid	6010C	680-353312
680-106200-A-1-B MSD	Matrix Spike Duplicate	T	Solid	6010C	680-353312
680-106200-33	CV0965D-CS12	T	Solid	6010C	680-353312
680-106200-34	CV0965D-CS18	T	Solid	6010C	680-353312
680-106200-35	CV0965D-CS24	T	Solid	6010C	680-353312
680-106200-36	CV0739A-CS6	T	Solid	6010C	680-353312
680-106200-38	CV0739A-CS18	T	Solid	6010C	680-353312
680-106200-39	CV0739A-CS24	T	Solid	6010C	680-353312
Analysis Batch:680-354509					
680-106200-A-1-A MS	Matrix Spike	T	Solid	6010C	680-353312
680-106200-A-1-B MSD	Matrix Spike Duplicate	T	Solid	6010C	680-353312
680-106200-33	CV0965D-CS12	T	Solid	6010C	680-353312
680-106200-34	CV0965D-CS18	T	Solid	6010C	680-353312

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-3
Sdg Number: 680-106200-03

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-353217					
680-106200-31	CV0965D-CS6	T	Solid	Moisture	
680-106200-31MS	Matrix Spike	T	Solid	Moisture	
680-106200-31MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-106200-32	CV0965D-CSD6	T	Solid	Moisture	
680-106200-33	CV0965D-CS12	T	Solid	Moisture	
680-106200-34	CV0965D-CS18	T	Solid	Moisture	
680-106200-35	CV0965D-CS24	T	Solid	Moisture	
680-106200-36	CV0739A-CS6	T	Solid	Moisture	
680-106200-37	CV0739A-CS12	T	Solid	Moisture	
680-106200-38	CV0739A-CS18	T	Solid	Moisture	
680-106200-39	CV0739A-CS24	T	Solid	Moisture	
680-106200-40	CV0509T-CS6	T	Solid	Moisture	
680-106200-41	CV0509T-CS12	T	Solid	Moisture	
680-106200-42	CV0509T-CS18	T	Solid	Moisture	
680-106200-43	CV0613B-CS6	T	Solid	Moisture	
680-106200-44	CV0509T-CS24	T	Solid	Moisture	
680-106200-45	CV0613B-CSD6	T	Solid	Moisture	
680-106200-46	CV0613B-CS12	T	Solid	Moisture	
680-106200-47	CV0613B-CS18	T	Solid	Moisture	
680-106200-48	CV0613B-CS24	T	Solid	Moisture	
680-106200-49	CV0753A-CS (0-4")	T	Solid	Moisture	
680-106200-50	CV0753A-CSD (0-4")	T	Solid	Moisture	

Report Basis
T = Total

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: CMSK Analysis Batch Number: 354071

Lab Sample ID: 680-106200-39 Client Sample ID: CV0739A-CS24

Date Analyzed: 10/17/14 12:13 Lab File ID: 1KJ1708.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	9.96	Split Peak	webbk	10/17/14 13:34
Benzo[k]fluoranthene	9.99	Split Peak	webbk	10/17/14 13:34

Lab Sample ID: 680-106200-40 Client Sample ID: CV0509T-CS6

Date Analyzed: 10/17/14 12:36 Lab File ID: 1KJ1709.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.98	Split Peak	webbk	10/17/14 13:35

Lab Sample ID: 680-106200-36 Client Sample ID: CV0739A-CS6

Date Analyzed: 10/17/14 14:31 Lab File ID: 1KJ1711.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.98	Split Peak	webbk	10/17/14 14:53

Lab Sample ID: 680-106200-38 Client Sample ID: CV0739A-CS18

Date Analyzed: 10/17/14 15:17 Lab File ID: 1KJ1713.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.98	Split Peak	webbk	10/17/14 15:41

Lab Sample ID: 680-106200-41 Client Sample ID: CV0509T-CS12

Date Analyzed: 10/17/14 15:40 Lab File ID: 1KJ1714.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	9.96	Split Peak	webbk	10/17/14 16:11
Benzo[k]fluoranthene	9.97	Split Peak	webbk	10/17/14 16:11

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: CMSK Analysis Batch Number: 354071

Lab Sample ID: 680-106200-37 Client Sample ID: CV0739A-CS12

Date Analyzed: 10/17/14 16:03 Lab File ID: 1KJ1715.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	9.96	Split Peak	webbk	10/20/14 08:58
Benzo[k]fluoranthene	9.98	Split Peak	webbk	10/20/14 08:58

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: CMSY Analysis Batch Number: 353862

Lab Sample ID: 680-106200-A-18-B MS Client Sample ID:

Date Analyzed: 10/16/14 12:28 Lab File ID: 1YJ1609.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.98	Split Peak	webbk	10/16/14 13:55

Lab Sample ID: 680-106200-A-18-C MSD Client Sample ID:

Date Analyzed: 10/16/14 12:50 Lab File ID: 1YJ1610.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.99	Split Peak	webbk	10/16/14 13:56

Lab Sample ID: 680-106200-32 Client Sample ID: CV0965D-CSD6

Date Analyzed: 10/16/14 19:13 Lab File ID: 1YJ1621.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	9.96	Split Peak	webbk	10/17/14 08:54
Benzo[k]fluoranthene	9.99	Split Peak	webbk	10/17/14 08:54

Lab Sample ID: 680-106200-33 Client Sample ID: CV0965D-CS12

Date Analyzed: 10/16/14 19:35 Lab File ID: 1YJ1622.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.98	Split Peak	webbk	10/17/14 08:55

Lab Sample ID: 680-106200-34 Client Sample ID: CV0965D-CS18

Date Analyzed: 10/16/14 19:57 Lab File ID: 1YJ1623.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	9.98	Split Peak	webbk	10/17/14 08:56

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: CMSY Analysis Batch Number: 353862

Lab Sample ID: 680-106200-35 Client Sample ID: CV0965D-CS24

Date Analyzed: 10/16/14 20:19 Lab File ID: 1YJ1624.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	9.96	Split Peak	webbk	10/17/14 08:58
Benzo[k]fluoranthene	9.98	Split Peak	webbk	10/17/14 08:58

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: CMSY Analysis Batch Number: 354069

Lab Sample ID: 680-106200-31 Client Sample ID: CV0965D-CS6

Date Analyzed: 10/17/14 13:41 Lab File ID: 1YJ1712.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 14:08

Lab Sample ID: 680-106200-42 Client Sample ID: CV0509T-CS18

Date Analyzed: 10/17/14 14:25 Lab File ID: 1YJ1714.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 15:05

Lab Sample ID: 680-106200-43 Client Sample ID: CV0613B-CS6

Date Analyzed: 10/17/14 14:48 Lab File ID: 1YJ1715.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	10/17/14 15:23
Benzo[k]fluoranthene	9.93	Split Peak	webbk	10/17/14 15:23

Lab Sample ID: 680-106200-45 Client Sample ID: CV0613B-CSD6

Date Analyzed: 10/17/14 15:32 Lab File ID: 1YJ1717.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 15:52

Lab Sample ID: 680-106200-46 Client Sample ID: CV0613B-CS12

Date Analyzed: 10/17/14 15:54 Lab File ID: 1YJ1718.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 09:00
Benzo[k]fluoranthene	9.92	Split Peak	webbk	10/20/14 09:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: CMSY Analysis Batch Number: 354069

Lab Sample ID: 680-106200-47 Client Sample ID: CV0613B-CS18

Date Analyzed: 10/17/14 16:16 Lab File ID: 1YJ1719.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 09:02
Benzo[k]fluoranthene	9.93	Split Peak	webbk	10/20/14 09:02

Lab Sample ID: 680-106200-48 Client Sample ID: CV0613B-CS24

Date Analyzed: 10/17/14 16:39 Lab File ID: 1YJ1720.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	9.90	Split Peak	webbk	10/20/14 09:04
Benzo[k]fluoranthene	9.92	Split Peak	webbk	10/20/14 09:04

Lab Sample ID: 680-106200-49 Client Sample ID: CV0753A-CS (0-4")

Date Analyzed: 10/17/14 17:01 Lab File ID: 1YJ1721.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 09:05
Benzo[k]fluoranthene	9.93	Split Peak	webbk	10/20/14 09:05

Lab Sample ID: 680-106200-50 Client Sample ID: CV0753A-CSD (0-4")

Date Analyzed: 10/17/14 17:23 Lab File ID: 1YJ1722.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 09:07
Benzo[k]fluoranthene	9.94	Split Peak	webbk	10/20/14 09:07

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.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	OTPH	#
CV0965D-CS6	680-106200-31	0	D
CV0965D-CSD6	680-106200-32	0	D
CV0965D-CS12	680-106200-33	0	D
CV0965D-CS18	680-106200-34	111	
CV0965D-CS24	680-106200-35	106	
CV0739A-CS6	680-106200-36	0	D
CV0739A-CS12	680-106200-37	0	D
CV0739A-CS18	680-106200-38	0	D
CV0739A-CS24	680-106200-39	59	
CV0509T-CS6	680-106200-40	0	D
CV0509T-CS12	680-106200-41	0	D
CV0509T-CS18	680-106200-42	0	D
CV0613B-CS6	680-106200-43	0	D
CV0509T-CS24	680-106200-44	101	
CV0613B-CSD6	680-106200-45	0	D
CV0613B-CS12	680-106200-46	0	D
CV0613B-CS18	680-106200-47	93	
CV0613B-CS24	680-106200-48	104	
CV0753A-CS (0-4")	680-106200-49	0	D
CV0753A-CSD (0-4")	680-106200-50	0	D
	MB 680-353477/21-A	117	
	MB 680-353671/19-A	107	
	LCS 680-353477/22-A	84	
	LCS 680-353671/20-A	83	
	LCSD 680-353671/23-A	82	
CV0965D-CS6 MS	680-106200-31 MS	0	D
	680-106200-A-18-B MS	0	D
	680-106200-A-51-D MS	0	D
CV0965D-CS6 MSD	680-106200-31 MSD	0	D
	680-106200-A-18-C MSD	0	D

	QC LIMITS
OTPH = o-Terphenyl	36-131

Column to be used to flag recovery values

FORM II 8270D_LL_PAH

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	OTPH #
	680-106200-A-51-E 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.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Level: Low Lab File ID: 1YJ1608.D

Lab ID: LCS 680-353477/22-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	333	202	61	33-130	
Acenaphthylene	333	198	60	37-131	
Anthracene	333	213	64	42-146	
Benzo[a]anthracene	333	228	68	39-157	
Benzo[a]pyrene	333	228	68	41-158	
Benzo[b]fluoranthene	333	235	71	35-152	
Benzo[g,h,i]perylene	333	228	68	32-150	
Benzo[k]fluoranthene	333	222	67	38-148	
Chrysene	333	233	70	38-147	
Dibenz(a,h)anthracene	333	243	73	32-155	
Fluoranthene	333	209	63	36-147	
Fluorene	333	199	60	36-138	
Indeno[1,2,3-cd]pyrene	333	208	63	35-148	
1-Methylnaphthalene	333	197	59	36-130	
2-Methylnaphthalene	333	196	59	42-130	
Naphthalene	333	191	57	33-130	
Phenanthrene	333	209	63	40-135	
Pyrene	333	238	71	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 RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Level: Low Lab File ID: 1YJ1708.D

Lab ID: 680-106200-31 MS Client ID: CV0965D-CS6 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	371	84 U	195	53	33-130	
Acenaphthylene	371	59 J	179	32	37-131	F1
Anthracene	371	53 J	228	47	42-146	
Benzo[a]anthracene	371	250	470	59	39-157	
Benzo[a]pyrene	371	180	349	46	41-158	
Benzo[b]fluoranthene	371	320	563	66	35-152	
Benzo[g,h,i]perylene	371	140	262	33	32-150	
Benzo[k]fluoranthene	371	110	303	52	38-148	
Chrysene	371	330	594	71	38-147	
Dibenz(a,h)anthracene	371	64 J	190	34	32-155	
Fluoranthene	371	360	761	109	36-147	
Fluorene	371	84 U	194	52	36-138	
Indeno[1,2,3-cd]pyrene	371	87	191	28	35-148	F1
1-Methylnaphthalene	371	210	400	52	36-130	
2-Methylnaphthalene	371	170	358	50	42-130	
Naphthalene	371	150	313	44	33-130	
Phenanthrene	371	360	705	94	40-135	
Pyrene	371	370	721	94	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.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Level: Low Lab File ID: 1YJ1609.D

Lab ID: 680-106200-A-18-B MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	378	64 J	322	68	33-130	
Acenaphthylene	378	160	400	64	37-131	
Anthracene	378	230	427	51	42-146	
Benzo[a]anthracene	378	1400	1270	-21	39-157	F1
Benzo[a]pyrene	378	1300	1330	-2	41-158	F1
Benzo[b]fluoranthene	378	1900	1740	-32	35-152	4
Benzo[g,h,i]perylene	378	930	928	-0.6	32-150	F1
Benzo[k]fluoranthene	378	870	991	33	38-148	F1
Chrysene	378	1600	1390	-54	38-147	4
Dibenz(a,h)anthracene	378	450	405	-13	32-155	F1
Fluoranthene	378	2400	2010	-114	36-147	4
Fluorene	378	81	316	62	36-138	
Indeno[1,2,3-cd]pyrene	378	720	816	26	35-148	F1
1-Methylnaphthalene	378	99	393	78	36-130	
2-Methylnaphthalene	378	110	404	77	42-130	
Naphthalene	378	100	370	70	33-130	
Phenanthrene	378	1200	1030	-56	40-135	F1
Pyrene	378	2500	1990	-144	38-145	4

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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

Lab ID: 680-106200-A-51-D MS Client ID:

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.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Level: Low Lab File ID: 1YJ1709.D

Lab ID: 680-106200-31 MSD Client ID: CV0965D-CS6 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	370	212	57	9	50	33-130	
Acenaphthylene	370	208	40	15	50	37-131	
Anthracene	370	228	47	0	50	42-146	
Benzo[a]anthracene	370	426	47	10	50	39-157	
Benzo[a]pyrene	370	348	46	0	50	41-158	
Benzo[b]fluoranthene	370	518	54	8	50	35-152	
Benzo[g,h,i]perylene	370	272	36	4	50	32-150	
Benzo[k]fluoranthene	370	319	56	5	50	38-148	
Chrysene	370	576	67	3	50	38-147	
Dibenz(a,h)anthracene	370	207	39	9	50	32-155	
Fluoranthene	370	554	53	31	50	36-147	
Fluorene	370	203	55	4	50	36-138	
Indeno[1,2,3-cd]pyrene	370	216	35	12	50	35-148	
1-Methylnaphthalene	370	440	63	9	50	36-130	
2-Methylnaphthalene	370	394	60	10	50	42-130	
Naphthalene	370	301	40	4	50	33-130	
Phenanthrene	370	552	53	24	50	40-135	
Pyrene	370	579	56	22	50	38-145	

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Level: Low Lab File ID: 1YJ1610.D

Lab ID: 680-106200-A-18-C MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	378	405	90	23	50	33-130	
Acenaphthylene	378	464	81	15	50	37-131	
Anthracene	378	606	99	35	50	42-146	
Benzo[a]anthracene	378	2110	200	49	50	39-157	F1
Benzo[a]pyrene	378	2100	201	45	50	41-158	F1
Benzo[b]fluoranthene	378	2790	244	46	50	35-152	4
Benzo[g,h,i]perylene	378	1590	175	53	50	32-150	F1 F2
Benzo[k]fluoranthene	378	1500	167	41	50	38-148	F1
Chrysene	378	2500	240	57	50	38-147	4 F2
Dibenz(a,h)anthracene	378	907	120	76	50	32-155	F2
Fluoranthene	378	3670	327	59	50	36-147	4 F2
Fluorene	378	417	89	28	50	36-138	
Indeno[1,2,3-cd]pyrene	378	1410	182	53	50	35-148	F1 F2
1-Methylnaphthalene	378	438	90	11	50	36-130	
2-Methylnaphthalene	378	452	89	11	50	42-130	
Naphthalene	378	417	83	12	50	33-130	
Phenanthrene	378	2430	315	81	50	40-135	F1 F2
Pyrene	378	3750	323	62	50	38-145	4 F2

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.: 680-106200-3

SDG No.: 680-106200-03

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

Lab ID: 680-106200-A-51-E MSD Client ID:

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.: 680-106200-3

SDG No.: 680-106200-03

Lab File ID: 1YJ1607.D Lab Sample ID: MB 680-353477/21-A

Matrix: Solid Date Extracted: 10/15/2014 10:01

Instrument ID: CMSY Date Analyzed: 10/16/2014 11:43

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-353477/22-A	1YJ1608.D	10/16/2014 12:05
	680-106200-A-18-B MS	1YJ1609.D	10/16/2014 12:28
	680-106200-A-18-C MSD	1YJ1610.D	10/16/2014 12:50
CV0965D-CSD6	680-106200-32	1YJ1621.D	10/16/2014 19:13
CV0965D-CS12	680-106200-33	1YJ1622.D	10/16/2014 19:35
CV0965D-CS18	680-106200-34	1YJ1623.D	10/16/2014 19:57
CV0965D-CS24	680-106200-35	1YJ1624.D	10/16/2014 20:19
CV0739A-CS24	680-106200-39	1KJ1708.D	10/17/2014 12:13
CV0509T-CS6	680-106200-40	1KJ1709.D	10/17/2014 12:36
CV0739A-CS6	680-106200-36	1KJ1711.D	10/17/2014 14:31
CV0739A-CS18	680-106200-38	1KJ1713.D	10/17/2014 15:17
CV0509T-CS12	680-106200-41	1KJ1714.D	10/17/2014 15:40
CV0739A-CS12	680-106200-37	1KJ1715.D	10/17/2014 16:03

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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
CV0965D-CS6 MS	680-106200-31 MS	1YJ1708.D	10/17/2014 12:12
CV0965D-CS6 MSD	680-106200-31 MSD	1YJ1709.D	10/17/2014 12:34
	680-106200-A-51-D MS	1YJ1710.D	10/17/2014 12:57
	680-106200-A-51-E MSD	1YJ1711.D	10/17/2014 13:19
CV0965D-CS6	680-106200-31	1YJ1712.D	10/17/2014 13:41
CV0509T-CS18	680-106200-42	1YJ1714.D	10/17/2014 14:25
CV0613B-CS6	680-106200-43	1YJ1715.D	10/17/2014 14:48
CV0509T-CS24	680-106200-44	1YJ1716.D	10/17/2014 15:10
CV0613B-CSD6	680-106200-45	1YJ1717.D	10/17/2014 15:32
CV0613B-CS12	680-106200-46	1YJ1718.D	10/17/2014 15:54
CV0613B-CS18	680-106200-47	1YJ1719.D	10/17/2014 16:16
CV0613B-CS24	680-106200-48	1YJ1720.D	10/17/2014 16:39
CV0753A-CS (0-4")	680-106200-49	1YJ1721.D	10/17/2014 17:01
CV0753A-CSD (0-4")	680-106200-50	1YJ1722.D	10/17/2014 17:23

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Lab File ID: 1KJ0702.D DFTPP Injection Date: 10/07/2014

Instrument ID: CMSK DFTPP Injection Time: 14:52

Analysis Batch No.: 352395

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	25.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	24.4	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	10.0 - 80.0 % of mass 442	42.2	
197	Less than 2.0 % of mass 198	0.0	(0.0)2
198	Greater than 50.0 % of mass 442	86.1	
199	5.0 - 9.0 % of mass 198	5.6	(6.5)2
275	10.0 - 60.0 % of mass 442	20.4	
365	Greater than 1.0 % of mass 442	3.2	
441	Present but less than mass 443	16.0	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	21.2	

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 680-352395/3	1KJ0703.D	10/07/2014	15:08
	IC 680-352395/4	1KJ0704.D	10/07/2014	15:31
	IC 680-352395/5	1KJ0705.D	10/07/2014	15:54
	IC 680-352395/6	1KJ0706.D	10/07/2014	16:17
	IC 680-352395/7	1KJ0707.D	10/07/2014	16:41
	IC 680-352395/8	1KJ0708.D	10/07/2014	17:04
	IC 680-352395/9	1KJ0709.D	10/07/2014	17:27
	ICV 680-352395/10	1KJ0710.D	10/07/2014	17:50

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Lab File ID: 1KJ1701.D DFTPP Injection Date: 10/17/2014

Instrument ID: CMSK DFTPP Injection Time: 09:29

Analysis Batch No.: 354071

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	27.8	
68	Less than 2.0 % of mass 69	0.1	(0.3)1
69	Mass 69 relative abundance	26.2	
70	Less than 2.0 % of mass 69	0.2	(0.7)1
127	10.0 - 80.0 % of mass 442	45.6	
197	Less than 2.0 % of mass 198	0.0	(0.0)2
198	Greater than 50.0 % of mass 442	92.4	
199	5.0 - 9.0 % of mass 198	6.0	(6.5)2
275	10.0 - 60.0 % of mass 442	20.5	
365	Greater than 1.0 % of mass 442	3.2	
441	Present but less than mass 443	16.9	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	19.3	

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 680-354071/2	1KJ1702.D	10/17/2014	09:49
CV0739A-CS24	680-106200-39	1KJ1708.D	10/17/2014	12:13
CV0509T-CS6	680-106200-40	1KJ1709.D	10/17/2014	12:36
CV0739A-CS6	680-106200-36	1KJ1711.D	10/17/2014	14:31
CV0739A-CS18	680-106200-38	1KJ1713.D	10/17/2014	15:17
CV0509T-CS12	680-106200-41	1KJ1714.D	10/17/2014	15:40
CV0739A-CS12	680-106200-37	1KJ1715.D	10/17/2014	16:03

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

Lab File ID: 1YJ1601.D DFTPP Injection Date: 10/16/2014

Instrument ID: CMSY DFTPP Injection Time: 09:11

Analysis Batch No.: 353862

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	12.1	
68	Less than 2.0 % of mass 69	0.3	(1.6)1
69	Mass 69 relative abundance	16.6	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	10.0 - 80.0 % of mass 442	24.6	
197	Less than 2.0 % of mass 198	0.0	(0.0)2
198	Greater than 50.0 % of mass 442	54.8	
199	5.0 - 9.0 % of mass 198	3.8	(6.9)2
275	10.0 - 60.0 % of mass 442	16.0	
365	Greater than 1.0 % of mass 442	2.1	
441	Present but less than mass 443	14.6	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	19.7	

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 680-353862/2	1YJ1602.D	10/16/2014	09:29
	MB 680-353477/21-A	1YJ1607.D	10/16/2014	11:43
	LCS 680-353477/22-A	1YJ1608.D	10/16/2014	12:05
	680-106200-A-18-B MS	1YJ1609.D	10/16/2014	12:28
	680-106200-A-18-C MSD	1YJ1610.D	10/16/2014	12:50
CV0965D-CSD6	680-106200-32	1YJ1621.D	10/16/2014	19:13
CV0965D-CS12	680-106200-33	1YJ1622.D	10/16/2014	19:35
CV0965D-CS18	680-106200-34	1YJ1623.D	10/16/2014	19:57
CV0965D-CS24	680-106200-35	1YJ1624.D	10/16/2014	20:19

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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
CV0965D-CS6 MS	680-106200-31 MS	1YJ1708.D	10/17/2014	12:12
CV0965D-CS6 MSD	680-106200-31 MSD	1YJ1709.D	10/17/2014	12:34
	680-106200-A-51-D MS	1YJ1710.D	10/17/2014	12:57
	680-106200-A-51-E MSD	1YJ1711.D	10/17/2014	13:19
CV0965D-CS6	680-106200-31	1YJ1712.D	10/17/2014	13:41
CV0509T-CS18	680-106200-42	1YJ1714.D	10/17/2014	14:25
CV0613B-CS6	680-106200-43	1YJ1715.D	10/17/2014	14:48
CV0509T-CS24	680-106200-44	1YJ1716.D	10/17/2014	15:10
CV0613B-CSD6	680-106200-45	1YJ1717.D	10/17/2014	15:32
CV0613B-CS12	680-106200-46	1YJ1718.D	10/17/2014	15:54
CV0613B-CS18	680-106200-47	1YJ1719.D	10/17/2014	16:16
CV0613B-CS24	680-106200-48	1YJ1720.D	10/17/2014	16:39
CV0753A-CS (0-4")	680-106200-49	1YJ1721.D	10/17/2014	17:01
CV0753A-CSD (0-4")	680-106200-50	1YJ1722.D	10/17/2014	17:23

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Sample No.: ICIS 680-352395/3 Date Analyzed: 10/07/2014 15:08

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

Lab File ID (Standard): 1KJ0703.D Heated Purge: (Y/N) N

Calibration ID: 34889

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		447603	3.22	200475	4.92	278854	6.48
UPPER LIMIT		895206	3.72	400950	5.42	557708	6.98
LOWER LIMIT		223802	2.72	100238	4.42	139427	5.98
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 680-352395/10		457929	3.22	225627	4.92	327211	6.48

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.: 680-106200-3

SDG No.: 680-106200-03

Sample No.: ICIS 680-352395/3 Date Analyzed: 10/07/2014 15:08

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

Lab File ID (Standard): 1KJ0703.D Heated Purge: (Y/N) N

Calibration ID: 34889

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		210568	9.31	183190	10.64		
UPPER LIMIT		421136	9.81	366380	11.14		
LOWER LIMIT		105284	8.81	91595	10.14		
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 680-352395/10		231624	9.31	191644	10.63		

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.: 680-106200-3

SDG No.: 680-106200-03

Sample No.: CCVIS 680-354071/2 Date Analyzed: 10/17/2014 09:49

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

Lab File ID (Standard): 1KJ1702.D Heated Purge: (Y/N) N

Calibration ID: 34889

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		361682	2.93	151673	4.58	205144	6.13
UPPER LIMIT		723364	3.43	303346	5.08	410288	6.63
LOWER LIMIT		180841	2.43	75837	4.08	102572	5.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
680-106200-39	CV0739A-CS24	505795	2.92	263808	4.58	390515	6.13
680-106200-40	CV0509T-CS6	508699	2.93	257104	4.58	363349	6.13
680-106200-36	CV0739A-CS6	484017	2.93	247949	4.58	340857	6.13
680-106200-38	CV0739A-CS18	520667	2.93	261929	4.58	364925	6.13
680-106200-41	CV0509T-CS12	602482	2.93	292099	4.58	401578	6.13
680-106200-37	CV0739A-CS12	466218	2.93	236102	4.58	324289	6.13

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.: 680-106200-3

SDG No.: 680-106200-03

Sample No.: CCVIS 680-354071/2 Date Analyzed: 10/17/2014 09:49

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

Lab File ID (Standard): 1KJ1702.D Heated Purge: (Y/N) N

Calibration ID: 34889

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		190922	8.95	180112	10.28		
UPPER LIMIT		381844	9.45	360224	10.78		
LOWER LIMIT		95461	8.45	90056	9.78		
LAB SAMPLE ID	CLIENT SAMPLE ID						
680-106200-39	CV0739A-CS24	282457	8.96	153914	10.28		
680-106200-40	CV0509T-CS6	255027	8.95	192816	10.28		
680-106200-36	CV0739A-CS6	223469	8.95	170094	10.28		
680-106200-38	CV0739A-CS18	264459	8.95	202535	10.28		
680-106200-41	CV0509T-CS12	276535	8.95	200919	10.28		
680-106200-37	CV0739A-CS12	235504	8.95	180467	10.28		

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

Sample No.: CCVIS 680-353862/2 Date Analyzed: 10/16/2014 09:29

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

Lab File ID (Standard): 1YJ1602.D Heated Purge: (Y/N) N

Calibration ID: 34899

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		126099	2.80	70268	4.49	117518	6.05
UPPER LIMIT		252198	3.30	140536	4.99	235036	6.55
LOWER LIMIT		63050	2.30	35134	3.99	58759	5.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-353477/21-A		134339	2.80	78930	4.49	128522	6.06
LCS 680-353477/22-A		143819	2.80	79381	4.49	123420	6.06
680-106200-A-18-B MS		127376	2.80	69451	4.49	110841	6.06
680-106200-A-18-C MSD		132450	2.80	73883	4.49	118512	6.06
680-106200-32	CV0965D-CSD6	153036	2.80	85980	4.49	135506	6.07
680-106200-33	CV0965D-CS12	142697	2.80	83504	4.49	128735	6.07
680-106200-34	CV0965D-CS18	144500	2.80	82604	4.49	129447	6.07
680-106200-35	CV0965D-CS24	141271	2.80	80926	4.49	130406	6.07

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.: 680-106200-3

SDG No.: 680-106200-03

Sample No.: CCVIS 680-353862/2 Date Analyzed: 10/16/2014 09:29

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

Lab File ID (Standard): 1YJ1602.D Heated Purge: (Y/N) N

Calibration ID: 34899

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		113158	8.93	96125	10.27		
UPPER LIMIT		226316	9.43	192250	10.77		
LOWER LIMIT		56579	8.43	48063	9.77		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-353477/21-A		107830	8.93	93551	10.28		
LCS 680-353477/22-A		108408	8.93	91512	10.27		
680-106200-A-18-B MS		102024	8.93	87155	10.28		
680-106200-A-18-C MSD		97281	8.93	87169	10.29		
680-106200-32	CV0965D-CSD6	106467	8.94	89691	10.29		
680-106200-33	CV0965D-CS12	99113	8.93	83017	10.29		
680-106200-34	CV0965D-CS18	104220	8.94	88468	10.29		
680-106200-35	CV0965D-CS24	105012	8.93	89049	10.29		

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.: 680-106200-3

SDG No.: 680-106200-03

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
680-106200-31 MS	CV0965D-CS6 MS	135356	2.76	77035	4.44	135576	6.00
680-106200-31 MSD	CV0965D-CS6 MSD	143418	2.76	83241	4.44	136228	6.00
680-106200-A-51-D MS		141702	2.76	80114	4.44	141349	6.00
680-106200-A-51-E MSD		150371	2.76	84934	4.44	151958	6.00
680-106200-31	CV0965D-CS6	144989	2.76	80980	4.44	143563	6.00
680-106200-42	CV0509T-CS18	135588	2.76	76762	4.44	135050	6.01
680-106200-43	CV0613B-CS6	144916	2.76	82334	4.44	143372	6.00
680-106200-44	CV0509T-CS24	127647	2.76	71907	4.44	126646	6.01
680-106200-45	CV0613B-CSD6	139031	2.76	78781	4.44	139639	6.00
680-106200-46	CV0613B-CS12	140420	2.76	79461	4.44	138436	6.00
680-106200-47	CV0613B-CS18	126775	2.76	70598	4.44	121580	6.01
680-106200-48	CV0613B-CS24	132497	2.76	73279	4.44	129529	6.00
680-106200-49	CV0753A-CS (0-4")	121004	2.76	66060	4.44	116954	6.01
680-106200-50	CV0753A-CSD (0-4")	137049	2.76	76703	4.44	128916	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.: 680-106200-3

SDG No.: 680-106200-03

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		
680-106200-31 MS	CV0965D-CS6 MS	122940	8.88	96314	10.23		
680-106200-31 MSD	CV0965D-CS6 MSD	120037	8.88	93985	10.22		
680-106200-A-51-D MS		126034	8.88	100259	10.23		
680-106200-A-51-E MSD		132536	8.88	102817	10.23		
680-106200-31	CV0965D-CS6	124029	8.88	98426	10.23		
680-106200-42	CV0509T-CS18	119723	8.88	98671	10.23		
680-106200-43	CV0613B-CS6	123384	8.88	93986	10.23		
680-106200-44	CV0509T-CS24	104617	8.88	77770	10.23		
680-106200-45	CV0613B-CSD6	126469	8.88	92642	10.23		
680-106200-46	CV0613B-CS12	119355	8.88	90700	10.23		
680-106200-47	CV0613B-CS18	105986	8.88	80538	10.24		
680-106200-48	CV0613B-CS24	107047	8.88	86380	10.23		
680-106200-49	CV0753A-CS (0-4")	94436	8.88	69680	10.24		
680-106200-50	CV0753A-CSD (0-4")	99621	8.88	77611	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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0965D-CS6 | Lab Sample ID: 680-106200-31

Matrix: Solid | Lab File ID: 1YJ1712.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 15:30

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

Sample wt/vol: 30.05(g) | Date Analyzed: 10/17/2014 13:41

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

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

% Moisture: 20.7 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	84	U	84	42
208-96-8	Acenaphthylene	59	J	84	42
120-12-7	Anthracene	53	J	84	42
56-55-3	Benzo[a]anthracene	250		84	42
50-32-8	Benzo[a]pyrene	180		84	15
205-99-2	Benzo[b]fluoranthene	320		84	42
191-24-2	Benzo[g,h,i]perylene	140		84	42
207-08-9	Benzo[k]fluoranthene	110		84	25
218-01-9	Chrysene	330		84	42
53-70-3	Dibenz(a,h)anthracene	64	J	84	42
206-44-0	Fluoranthene	360		84	42
86-73-7	Fluorene	84	U	84	42
193-39-5	Indeno[1,2,3-cd]pyrene	87		84	42
90-12-0	1-Methylnaphthalene	210		84	39
91-57-6	2-Methylnaphthalene	170		84	42
91-20-3	Naphthalene	150		84	42
85-01-8	Phenanthrene	360		84	30
129-00-0	Pyrene	370		84	42

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\1YJ1712.D
Lims ID: 680-106200-A-31-A Lab Sample ID: 680-106200-31
Client ID: CV0965D-CS6
Sample Type: Client
Inject. Date: 17-Oct-2014 13:41:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-31-A 1:10
Misc. Info.: 680-0013845-012
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 14:08:00

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	144989	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	92	80980	2.00	
* 3 Phenanthrene-d10	188	6.004	6.005	0.000	98	143563	2.00	
* 4 Chrysene-d12	240	8.877	8.877	0.000	99	124029	2.00	
* 5 Perylene-d12	264	10.230	10.225	0.005	99	98426	2.00	
7 Naphthalene	128	2.774	2.774	0.000	99	28607	0.3617	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	87	21389	0.4079	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	92	23970	0.4929	
13 Dibenzofuran	168	4.464	4.225	0.239	89	4060	NC	
10 1,1'-Biphenyl	154	4.223	4.282	-0.059	0	1148	NC	
11 Acenaphthylene	152	4.287	4.288	-0.001	98	11048	0.1408	
12 Acenaphthene	153	4.469	4.469	0.000	92	2800	0.0555	
14 Fluorene	166	5.015	5.015	0.000	95	3937	0.0707	
15 Phenanthrene	178	6.031	6.031	0.000	96	73344	0.8537	
16 Anthracene	178	6.085	6.085	0.000	98	10856	0.1270	
17 Fluoranthene	202	7.320	7.320	0.000	99	77788	0.8542	
18 Pyrene	202	7.555	7.556	-0.001	98	72016	0.8874	
19 Benzo[a]anthracene	228	8.871	8.866	0.005	97	43496	0.5996	
20 Chrysene	228	8.898	8.903	-0.005	99	54205	0.7855	
21 Benzo[b]fluoranthene	252	9.903	9.904	-0.001	99	49265	0.7610	
22 Benzo[k]fluoranthene	252	9.925	9.930	-0.005	98	16636	0.2646	M
23 Benzo[a]pyrene	252	10.176	10.176	0.000	98	22575	0.4240	
24 Indeno[1,2,3-cd]pyrene	276	11.064	11.070	-0.006	99	14139	0.2076	
25 Dibenz(a,h)anthracene	278	11.091	11.091	0.000	96	7118	0.1530	
26 Benzo[g,h,i]perylene	276	11.278	11.273	0.005	98	16162	0.3330	

QC Flag Legend

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

Reagents:

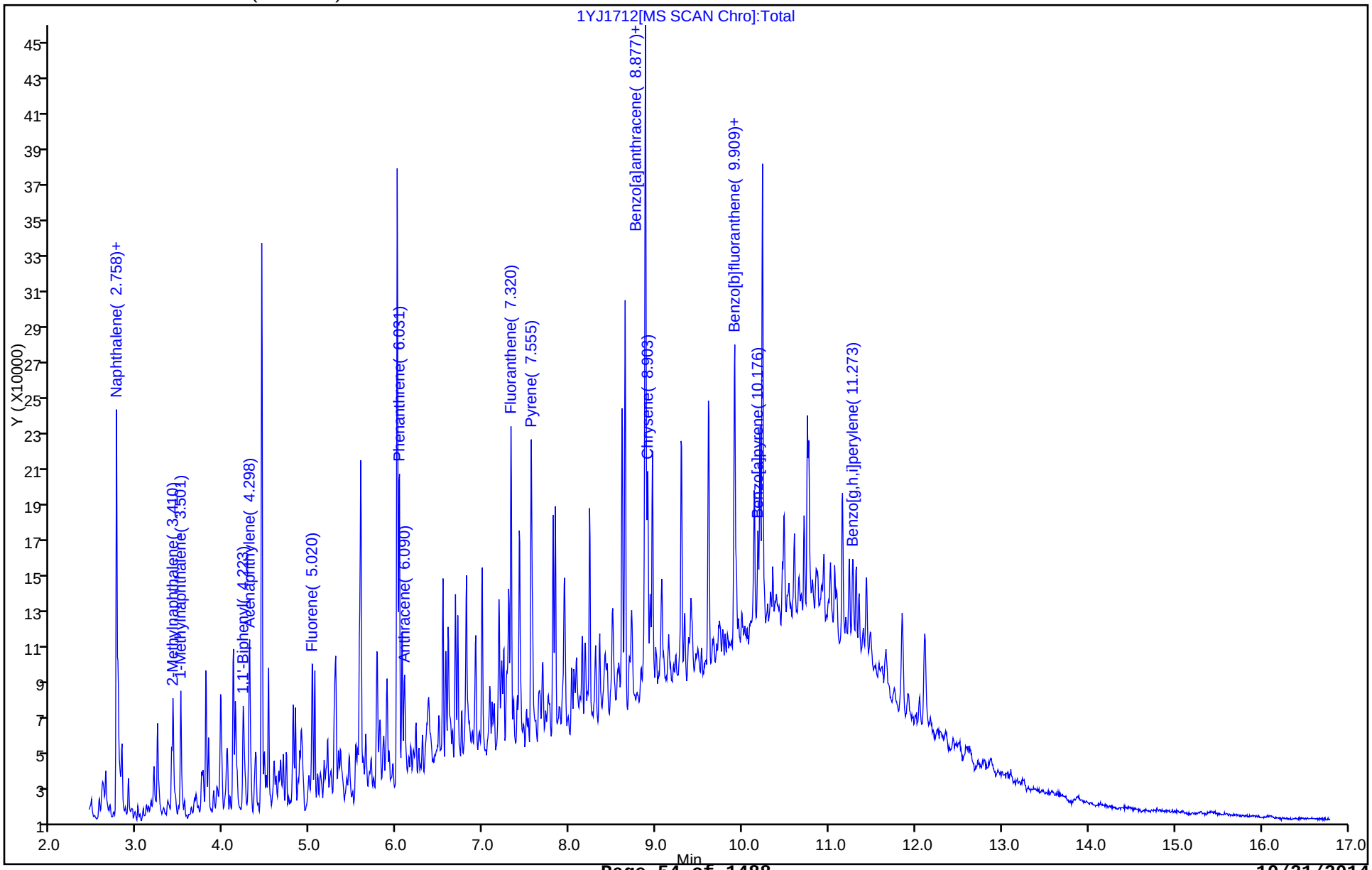
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:00 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31	Worklist Smp#:	12
Client ID:	CV0965D-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	12
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

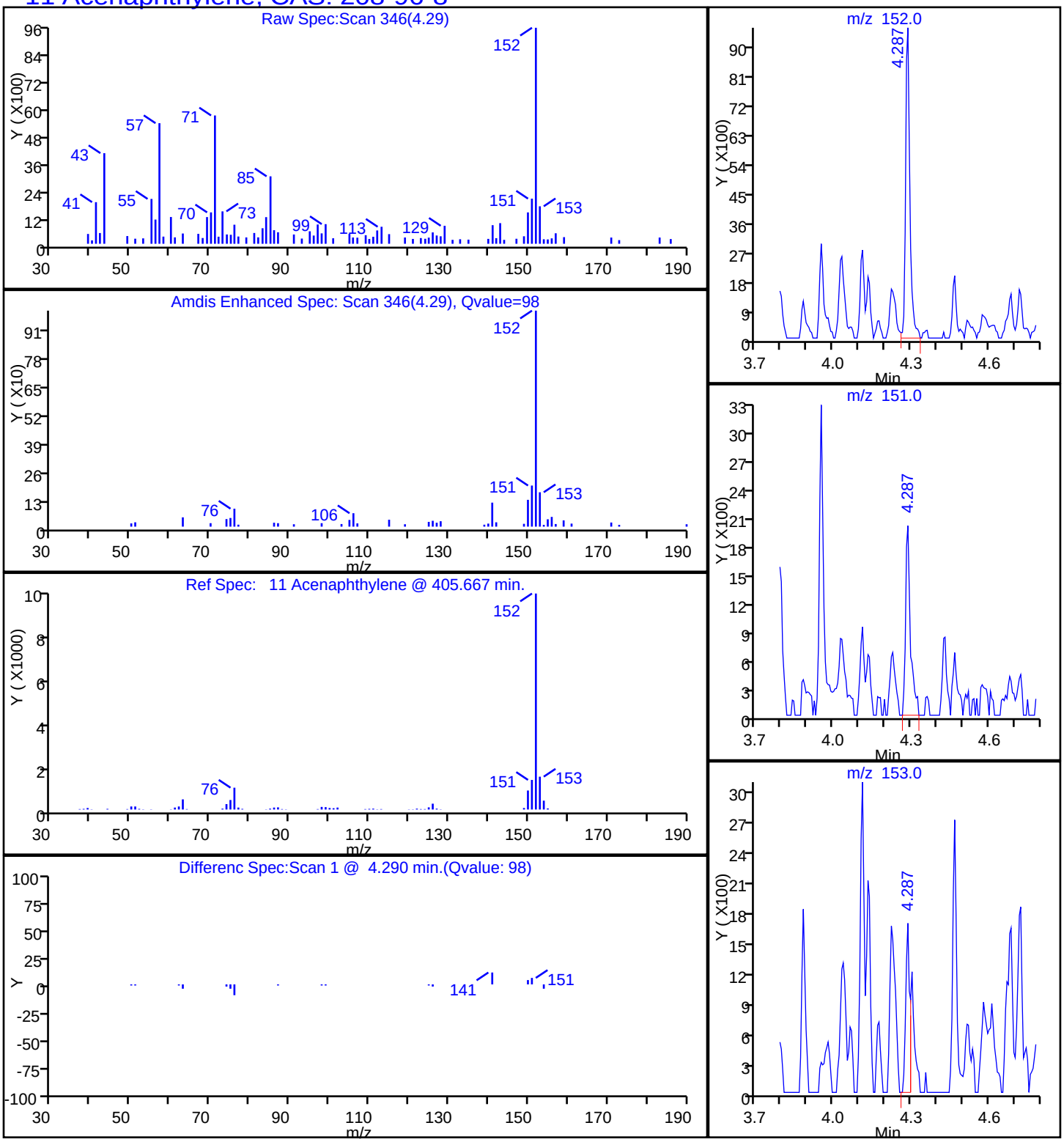


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

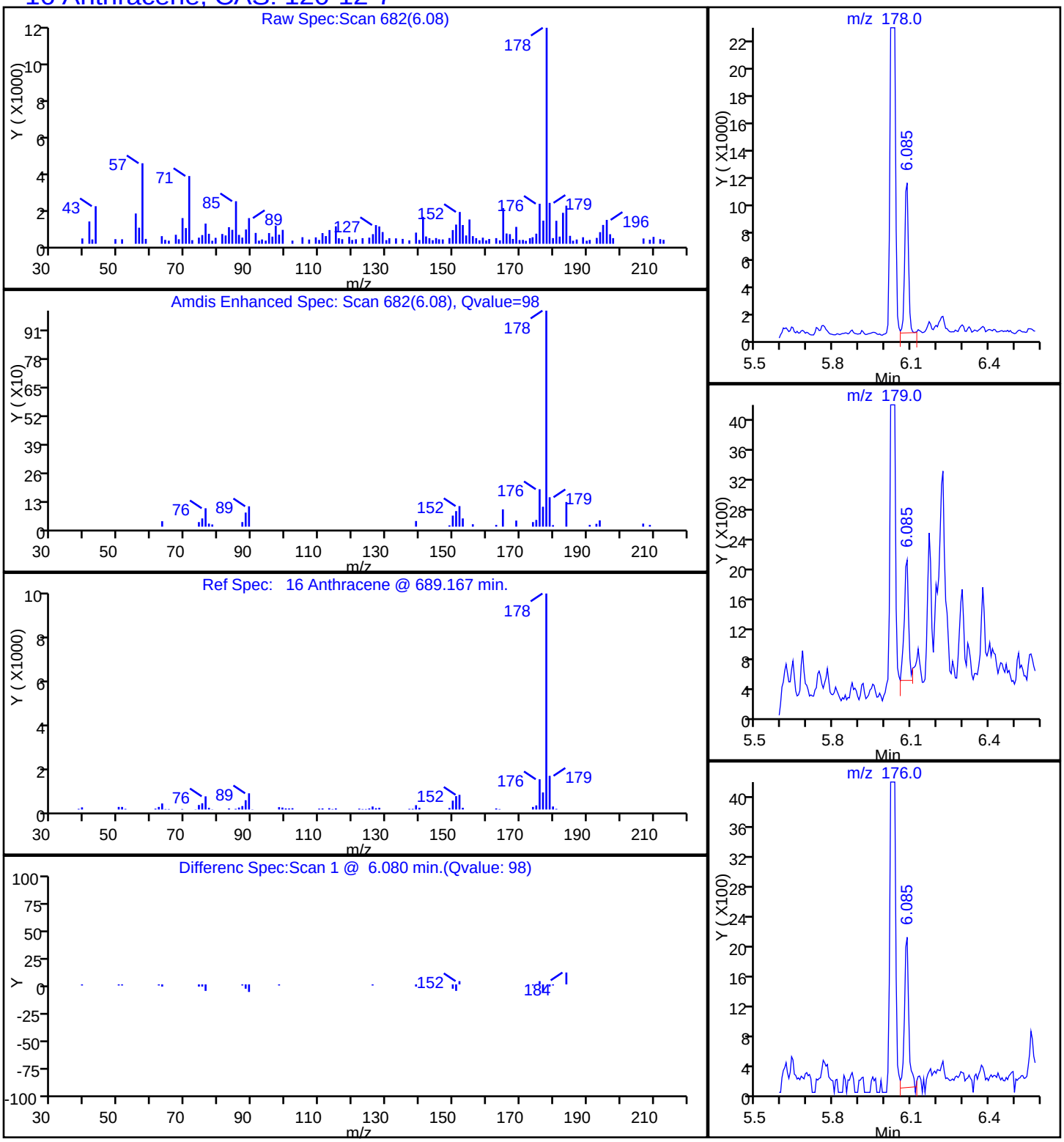


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

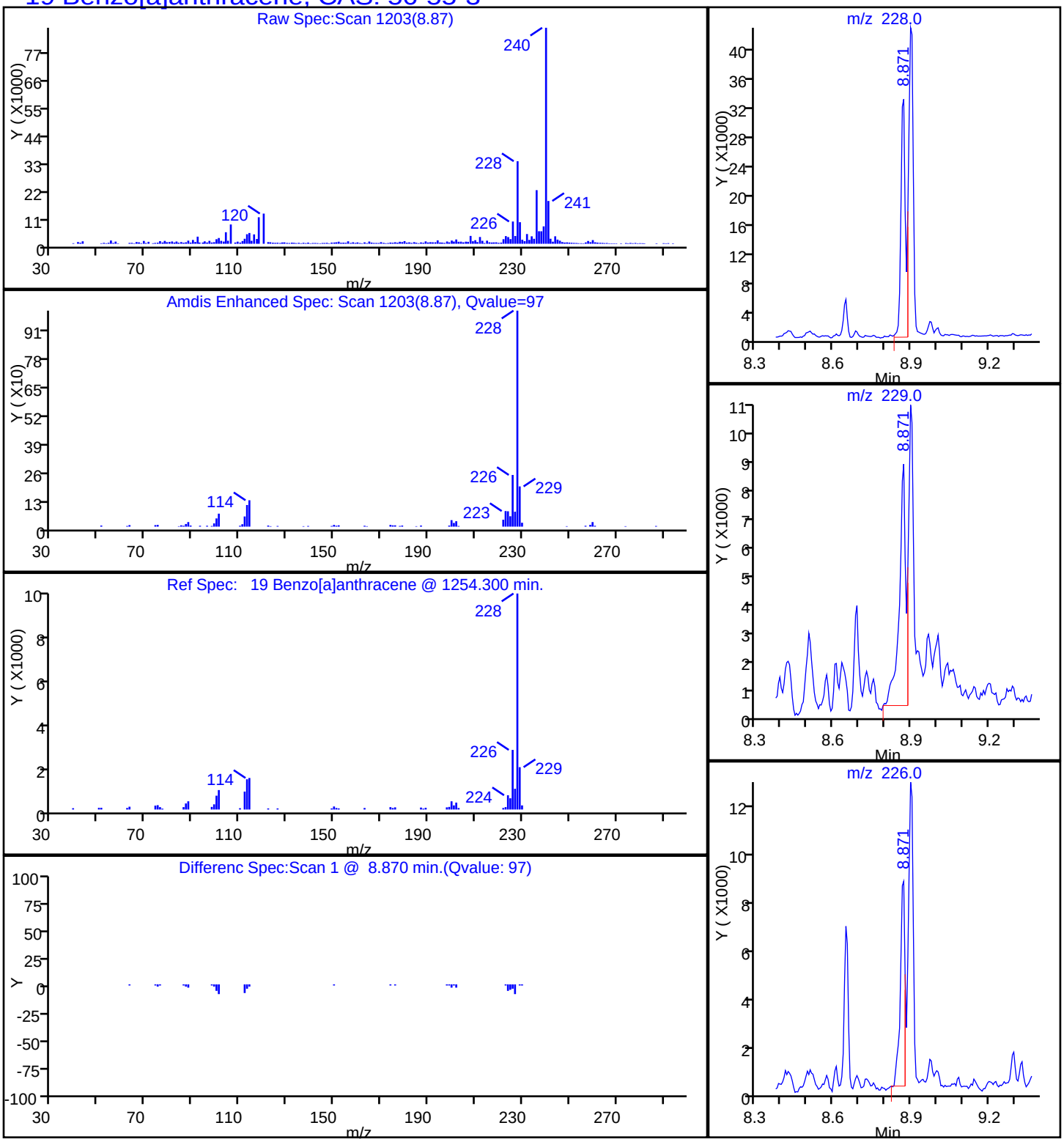


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

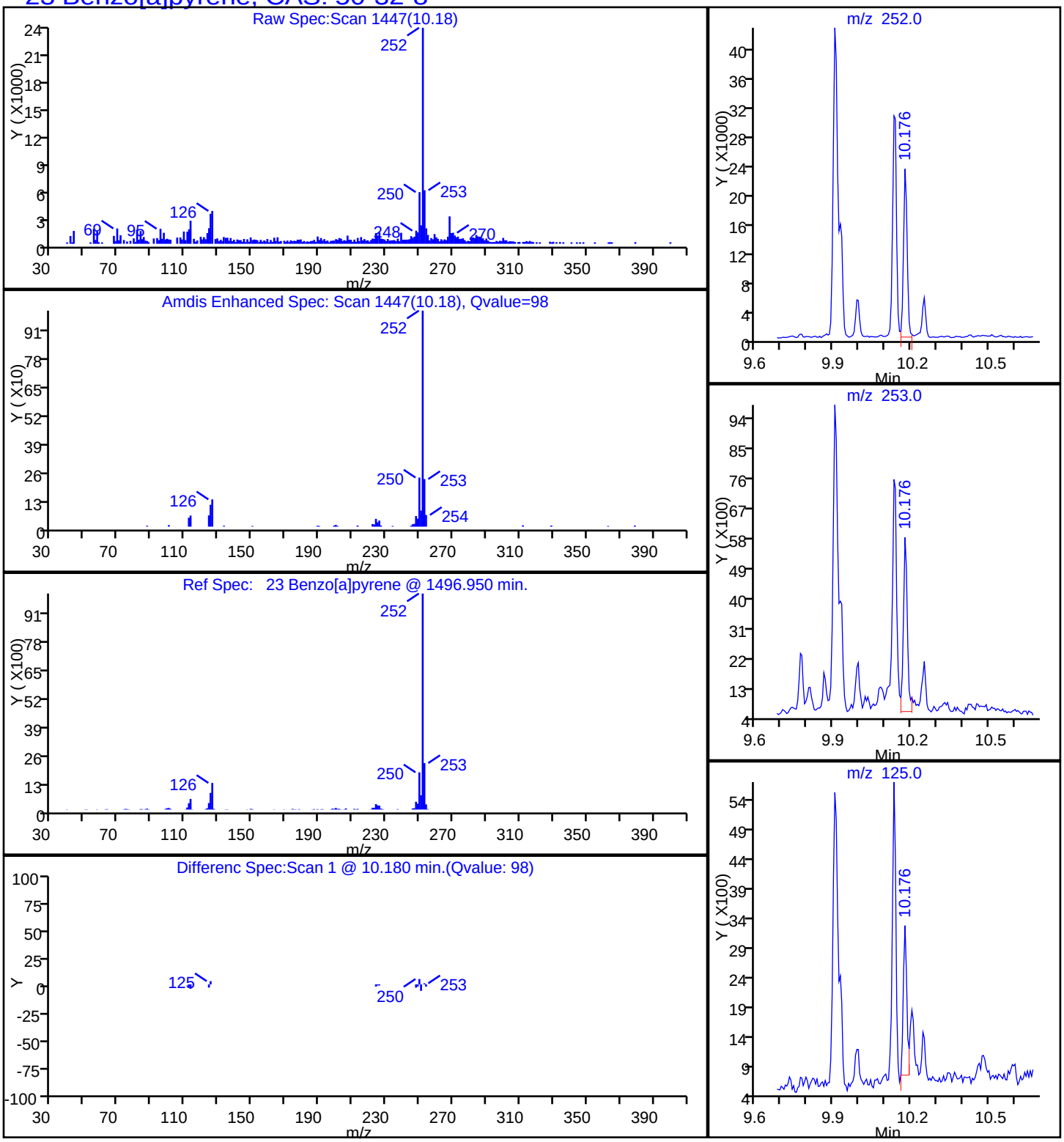


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

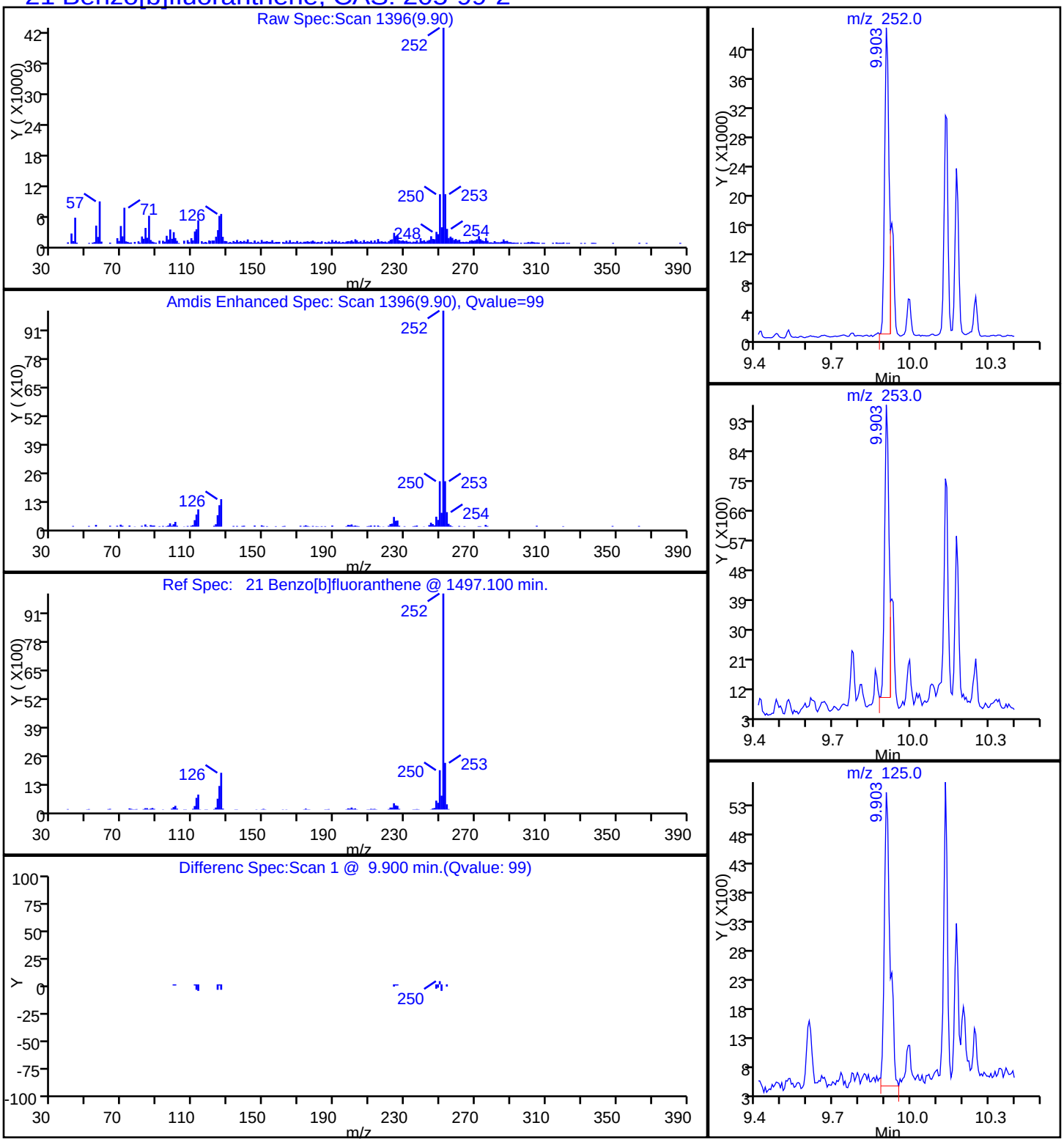


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

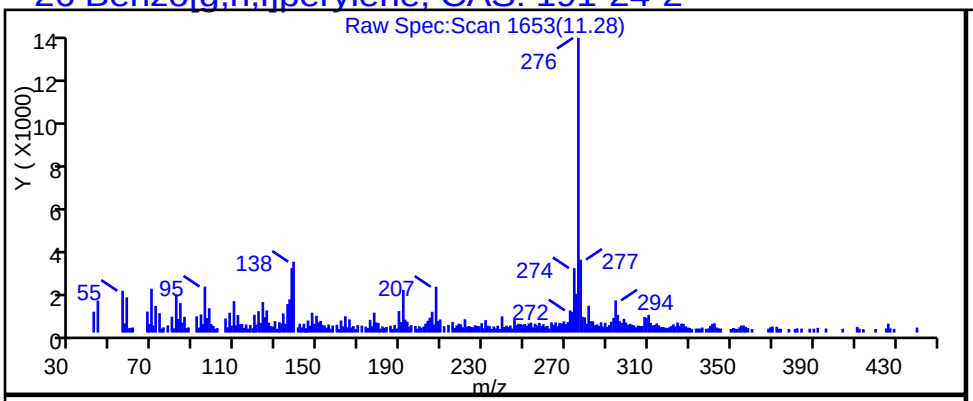


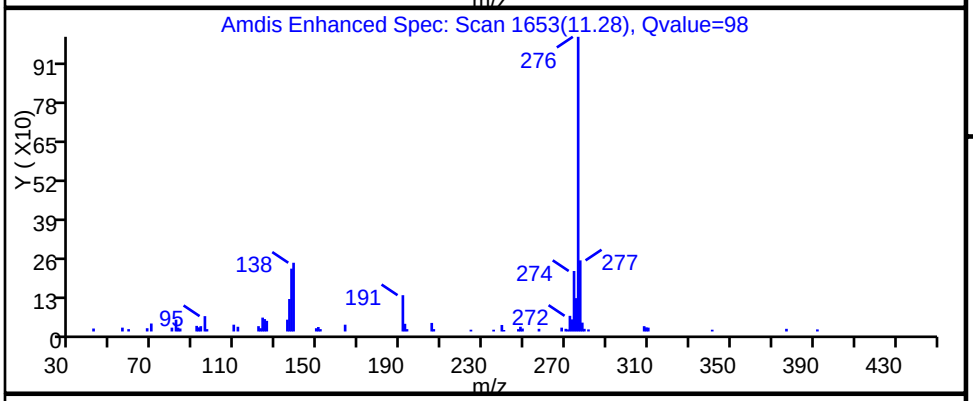
Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

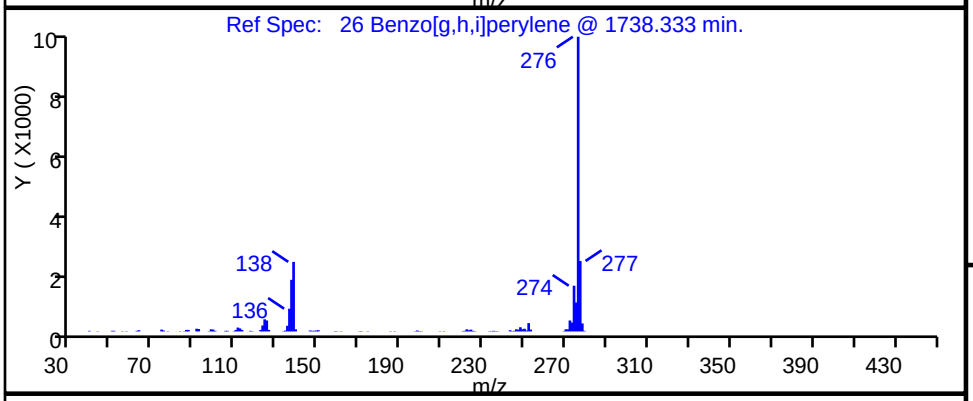
TestAmerica Savannah

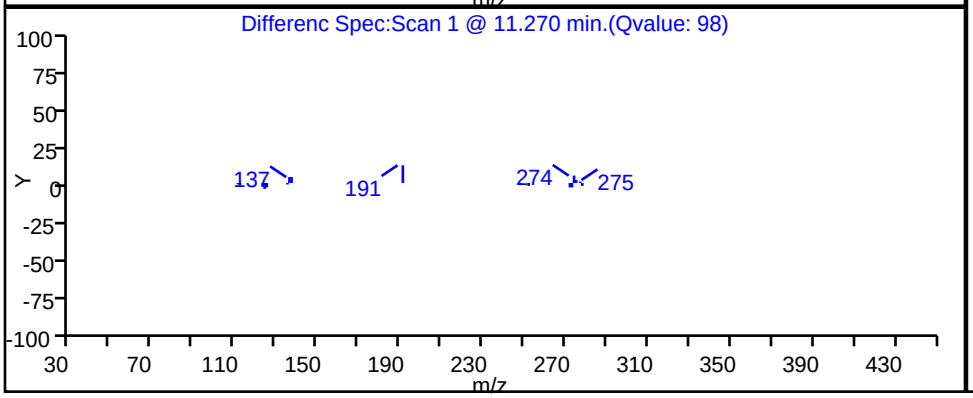
Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

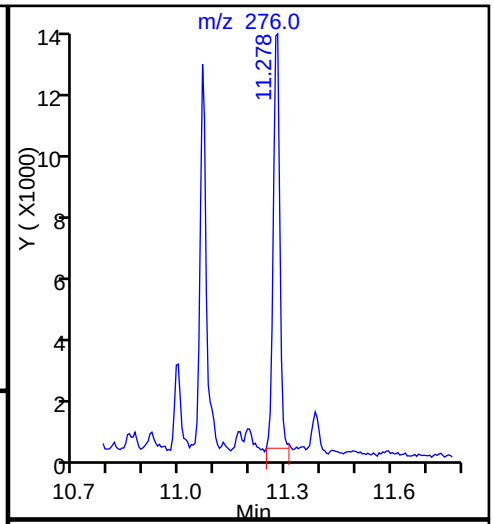
26 Benzo[g,h,i]perylene, CAS: 191-24-2

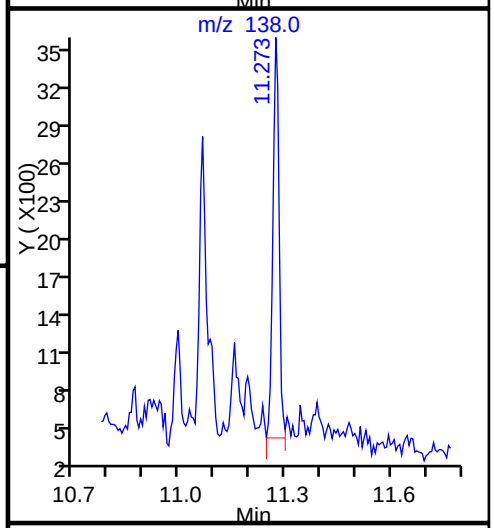


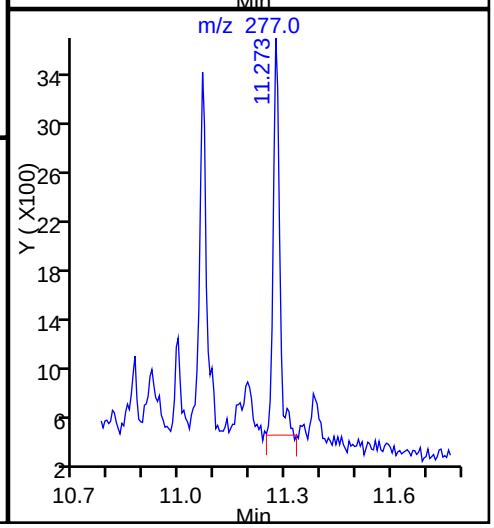










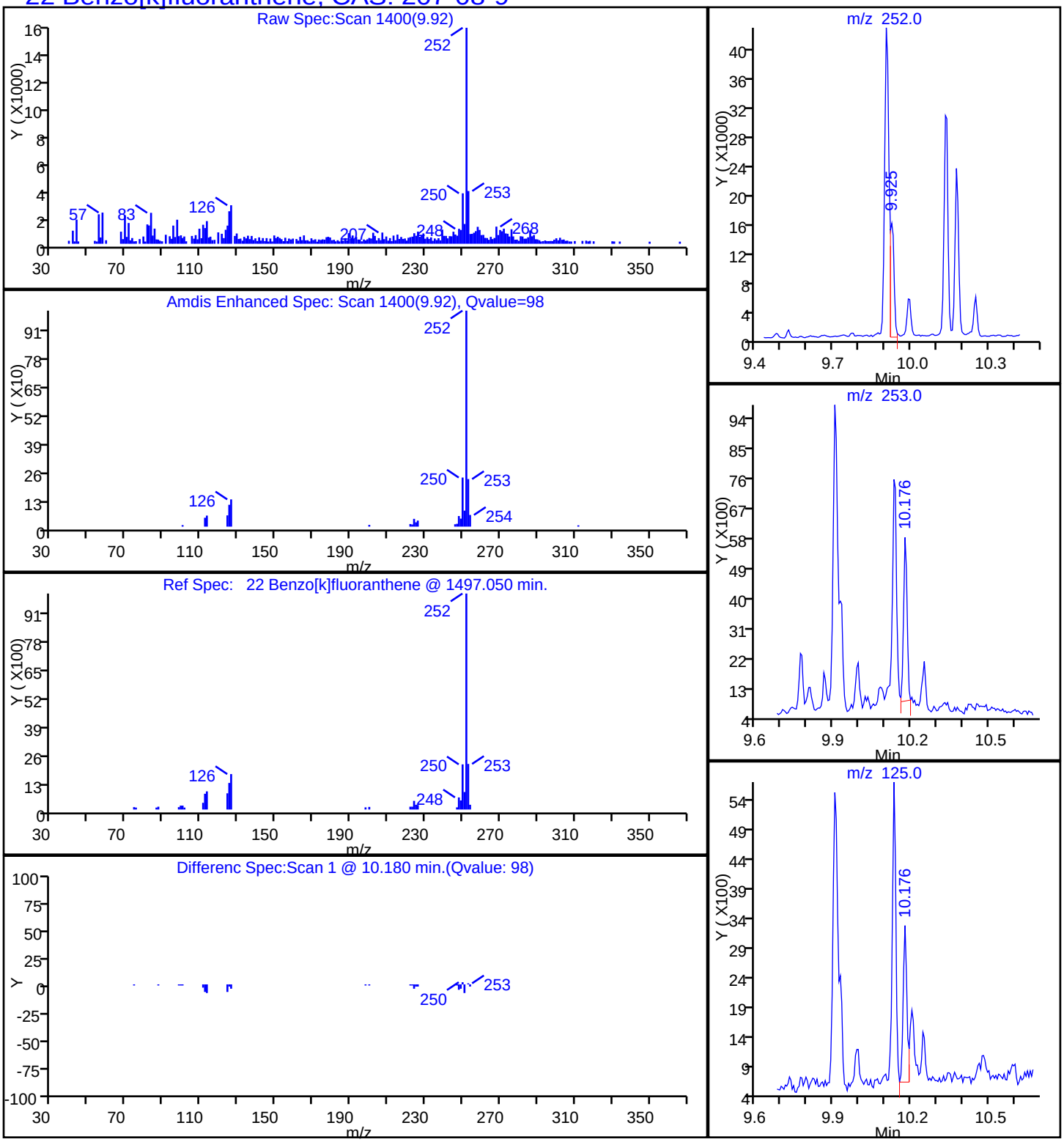


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

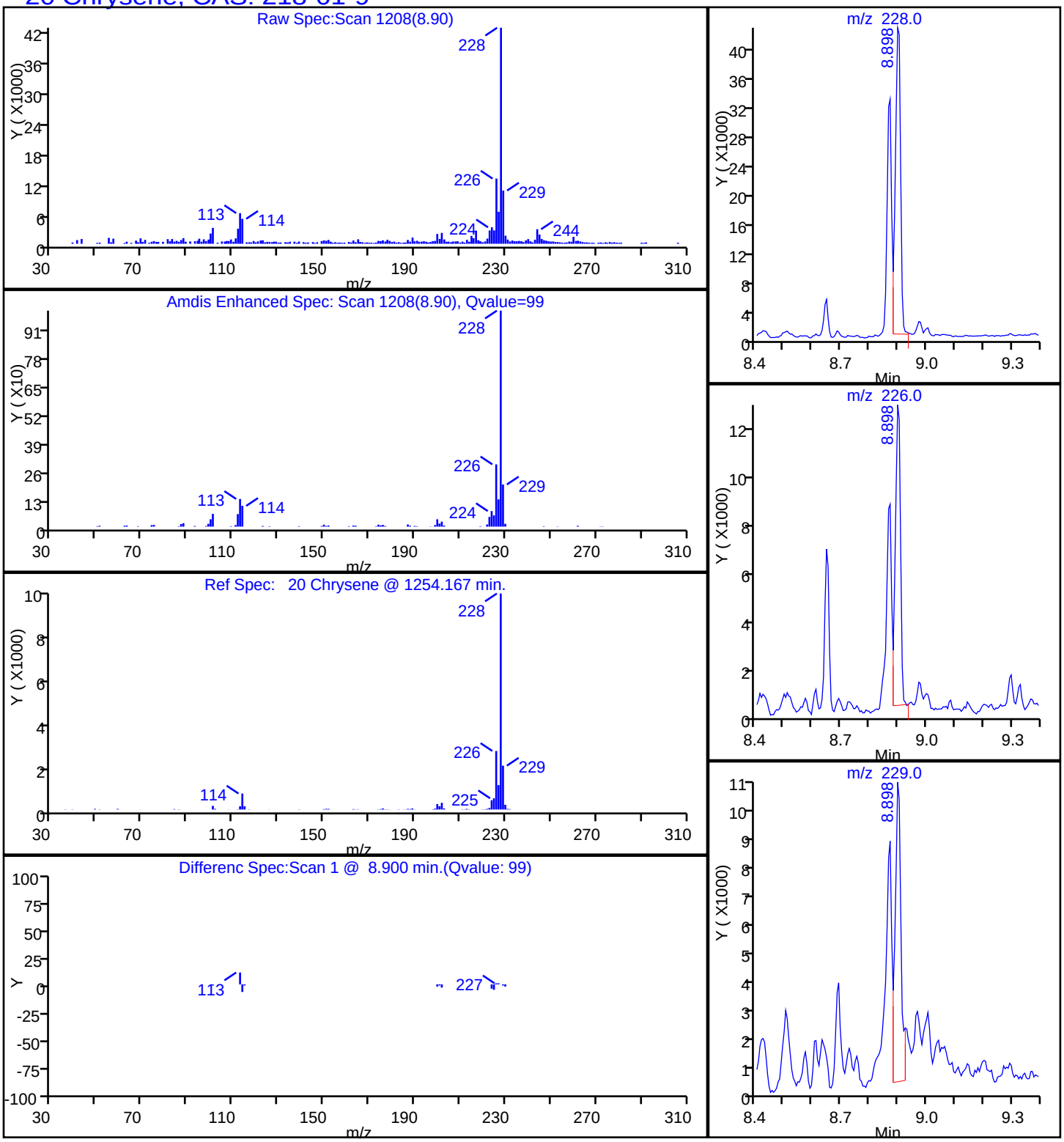


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

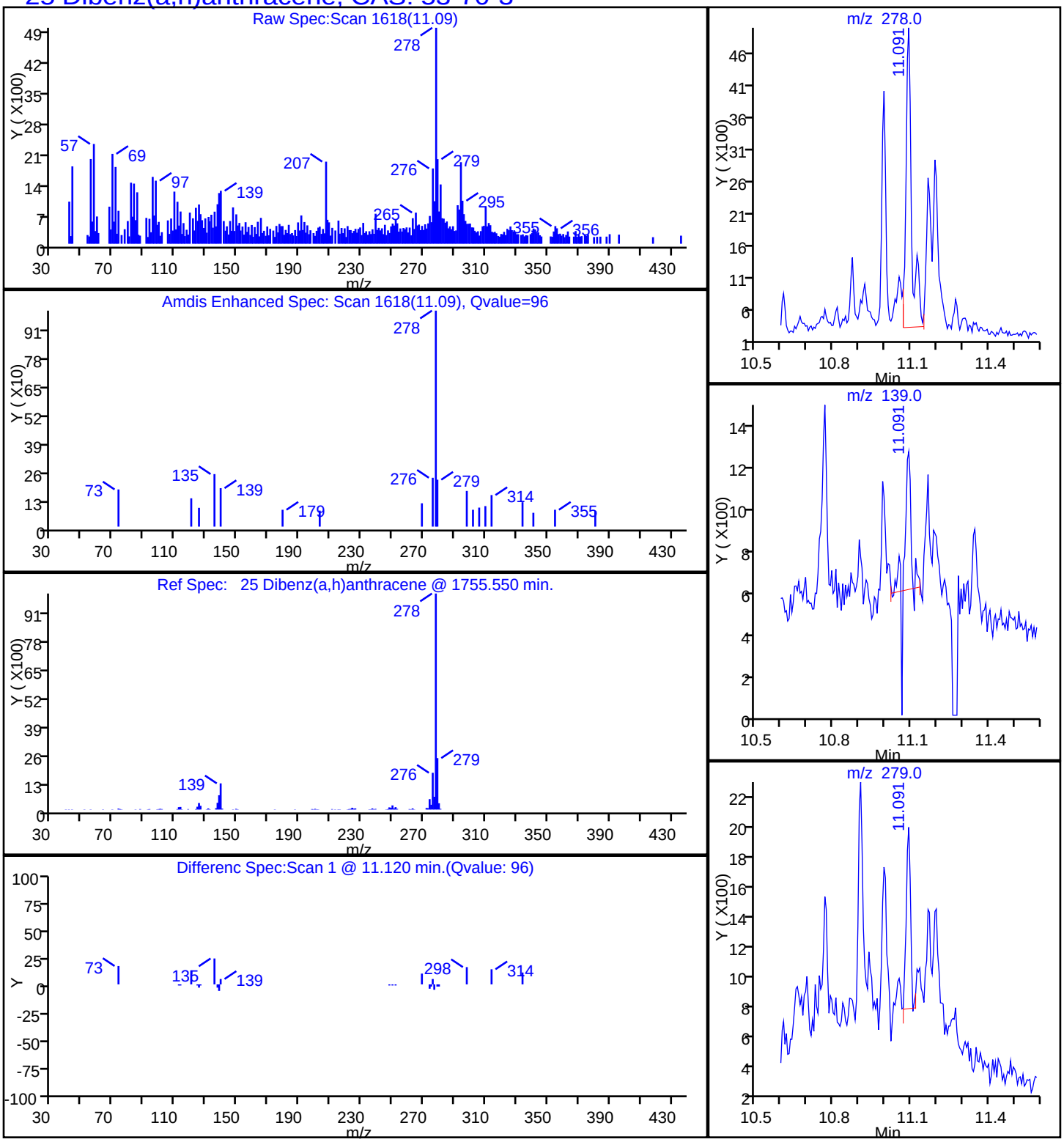


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

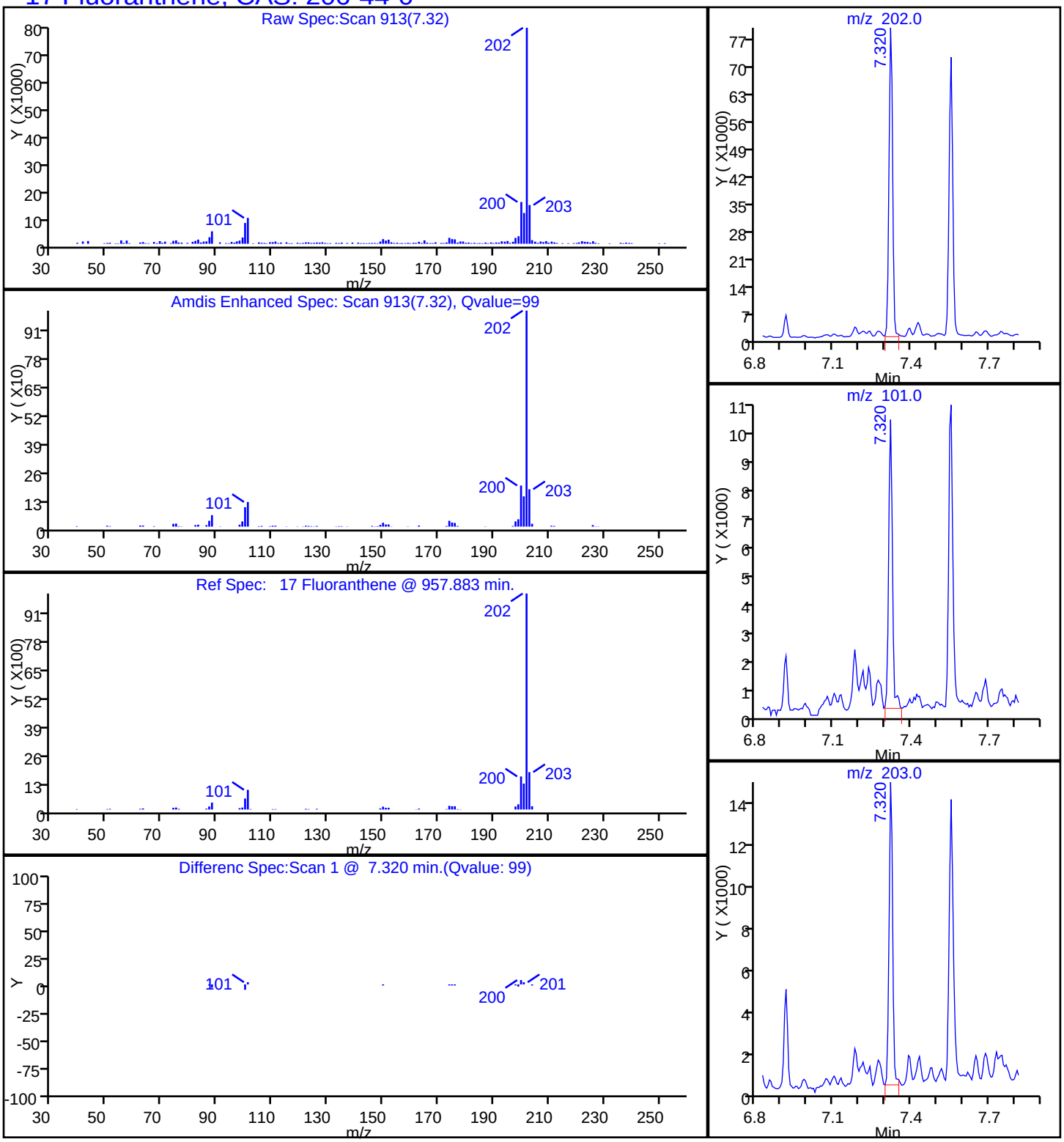


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

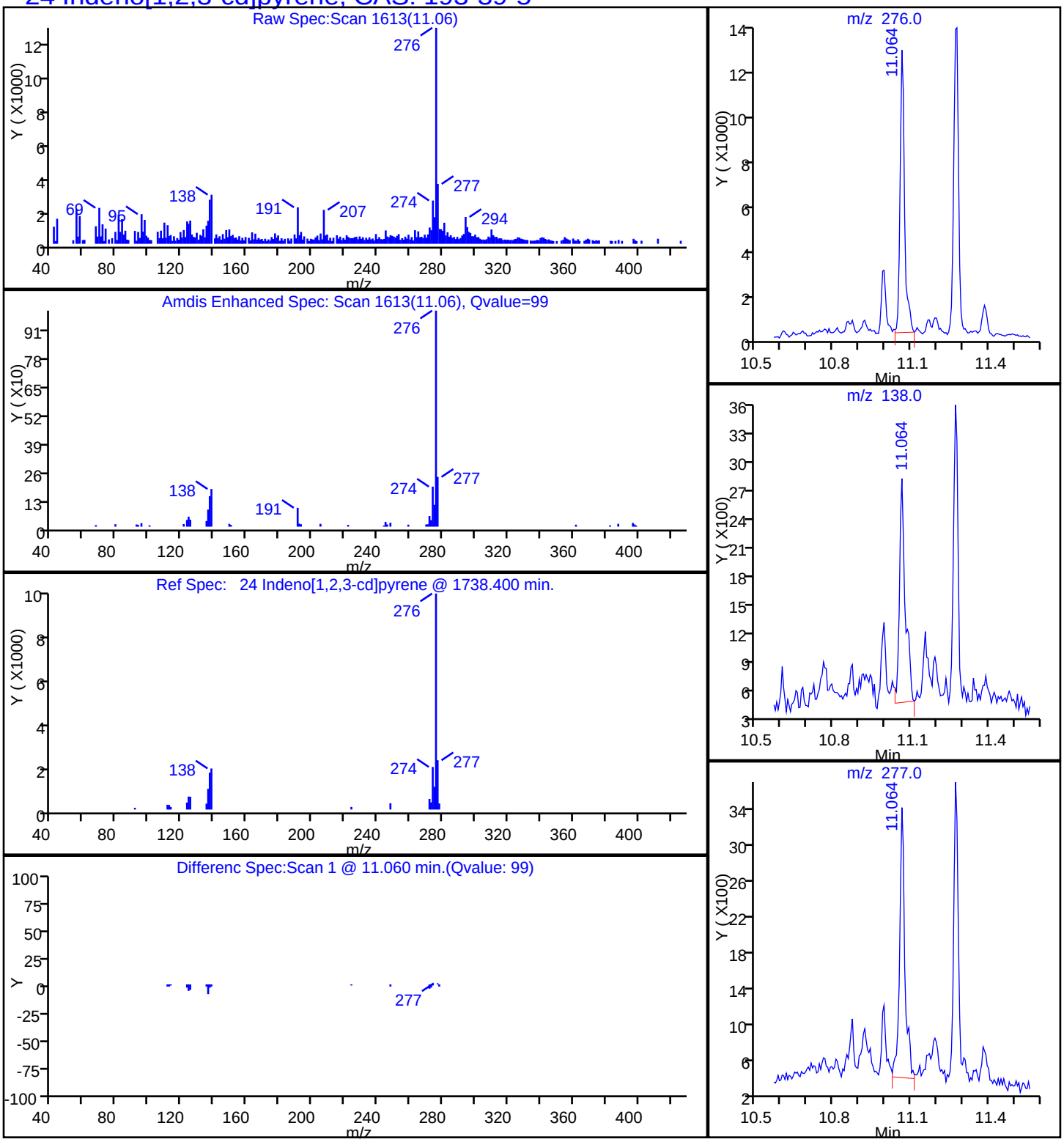


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

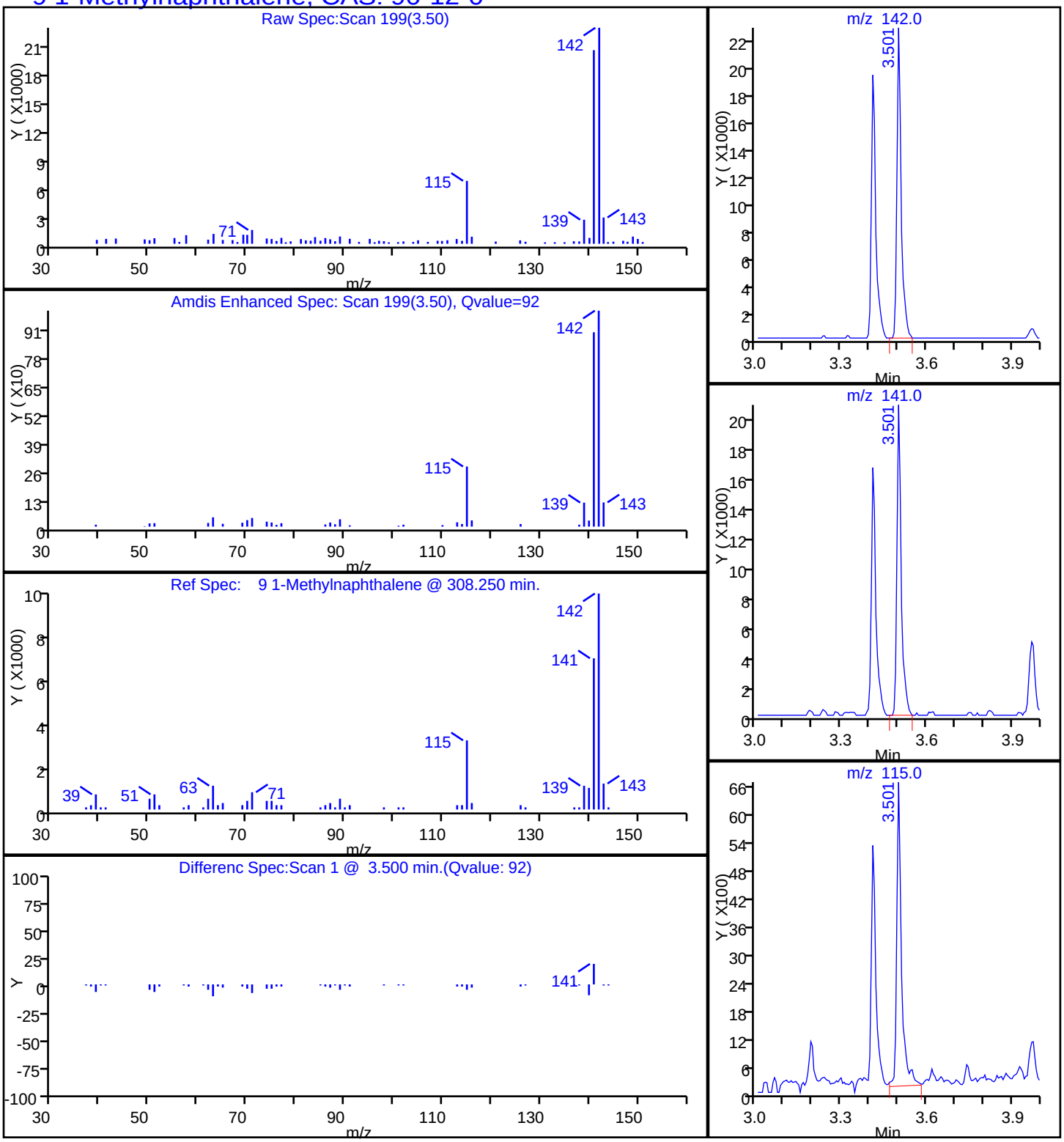


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

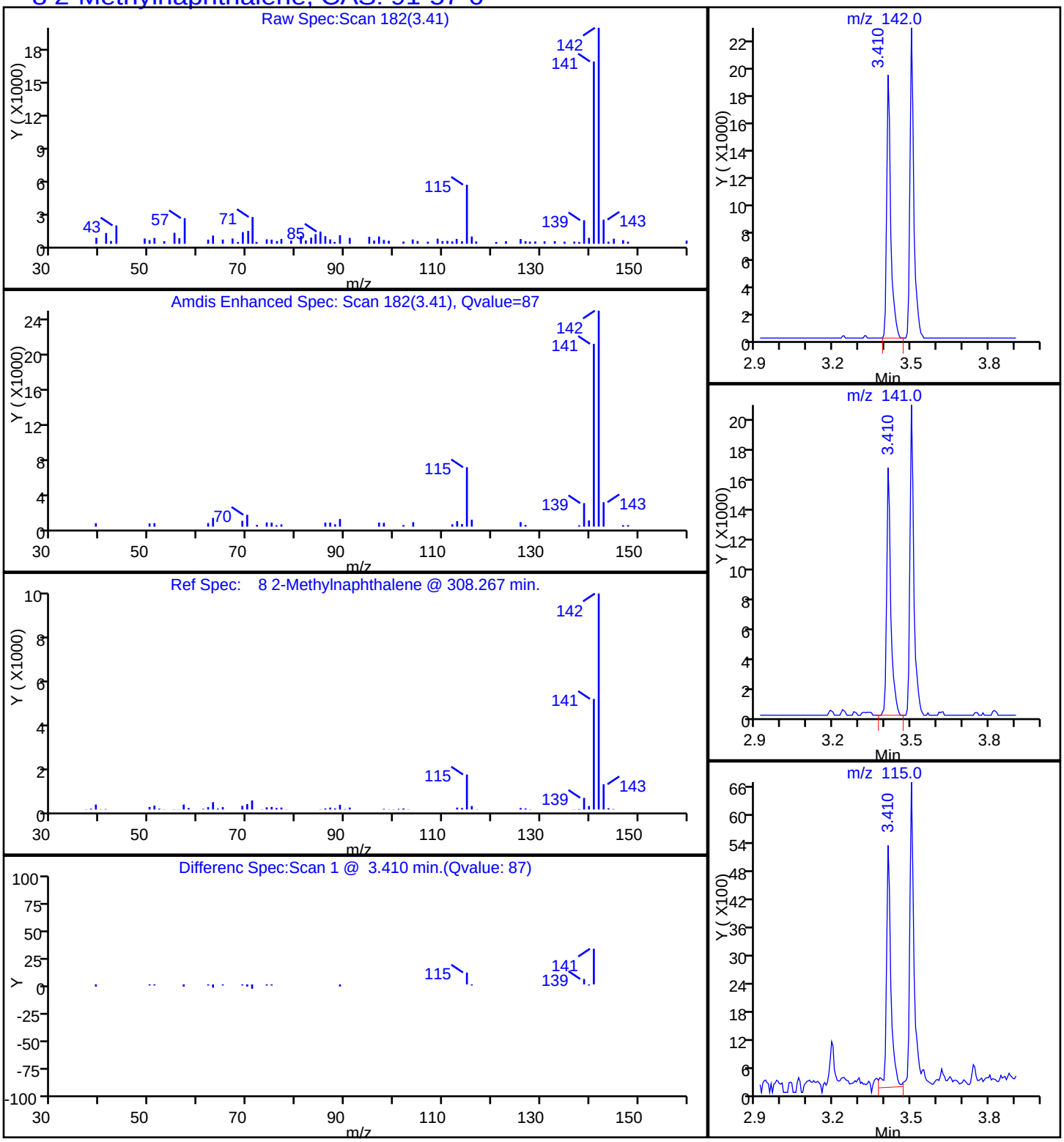


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

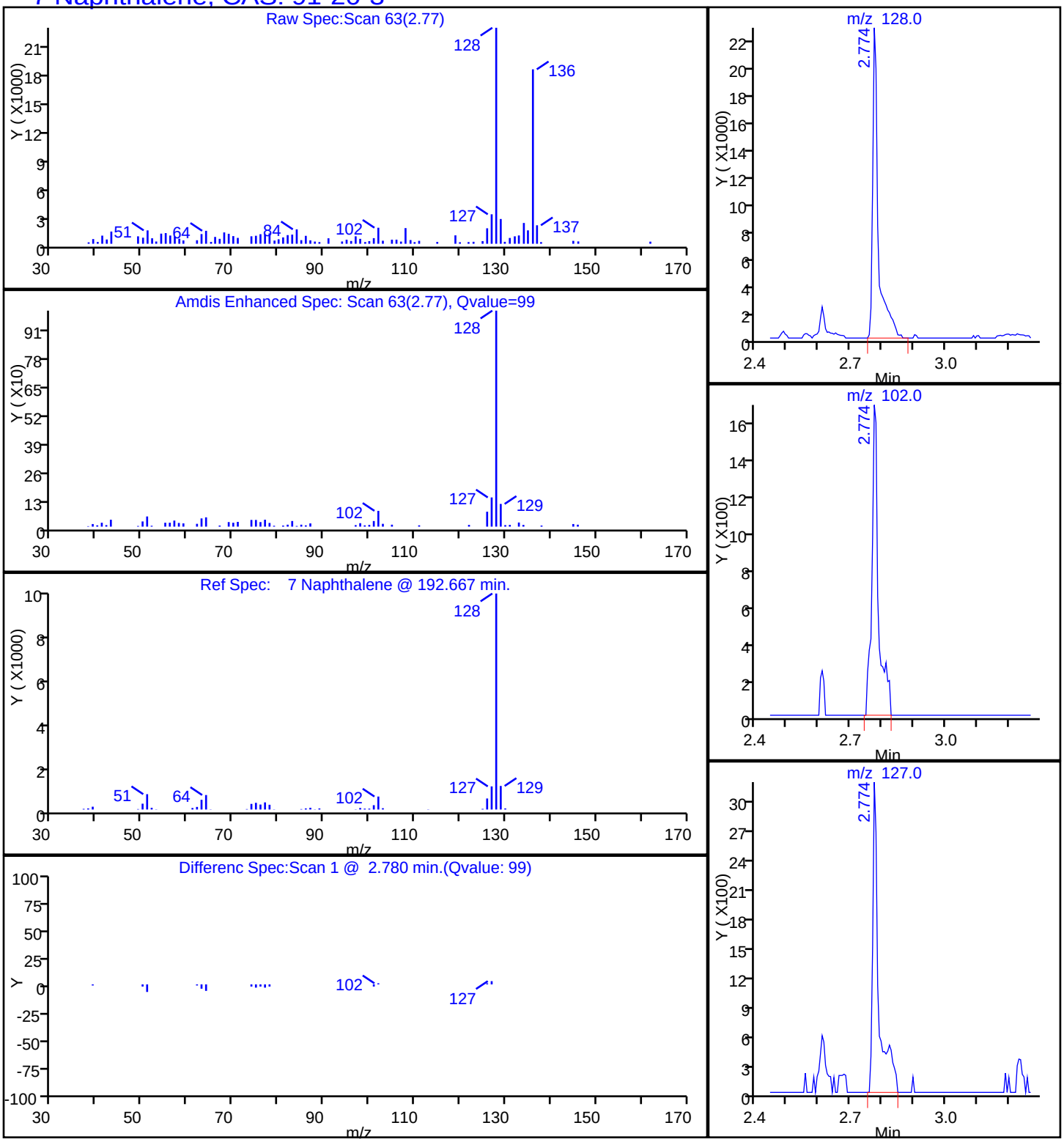


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

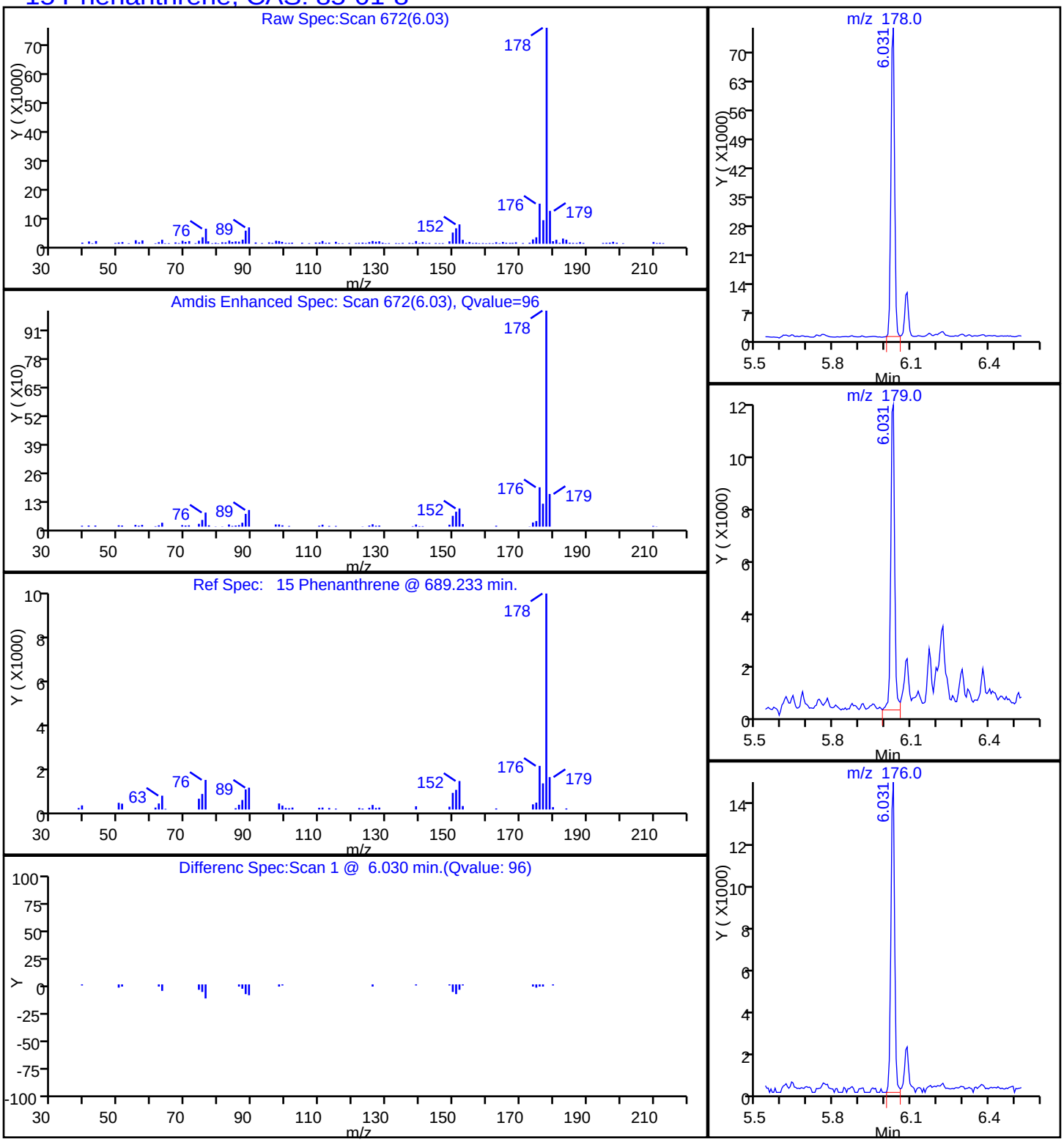


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

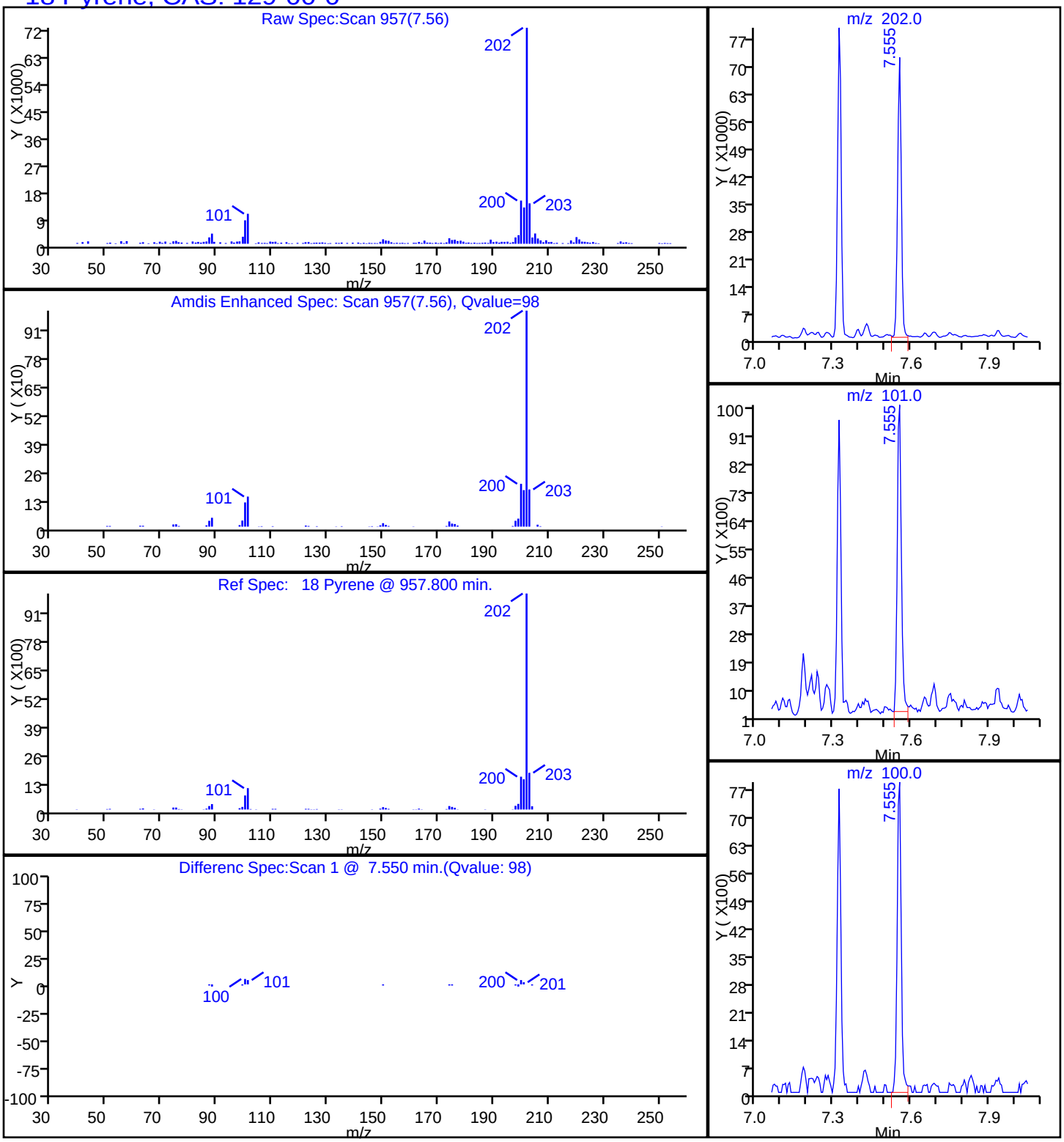


Report Date: 20-Oct-2014 09:22:01 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

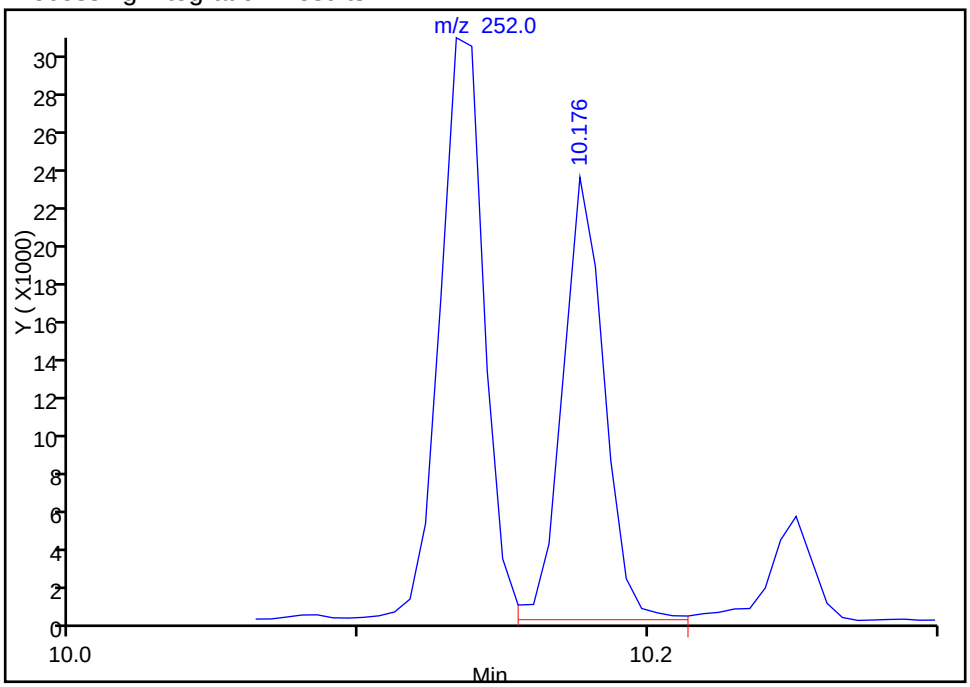
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1712.D				
Injection Date:	17-Oct-2014 13:41:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-31-A	Lab Sample ID:	680-106200-31		
Client ID:	CV0965D-CS6				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
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

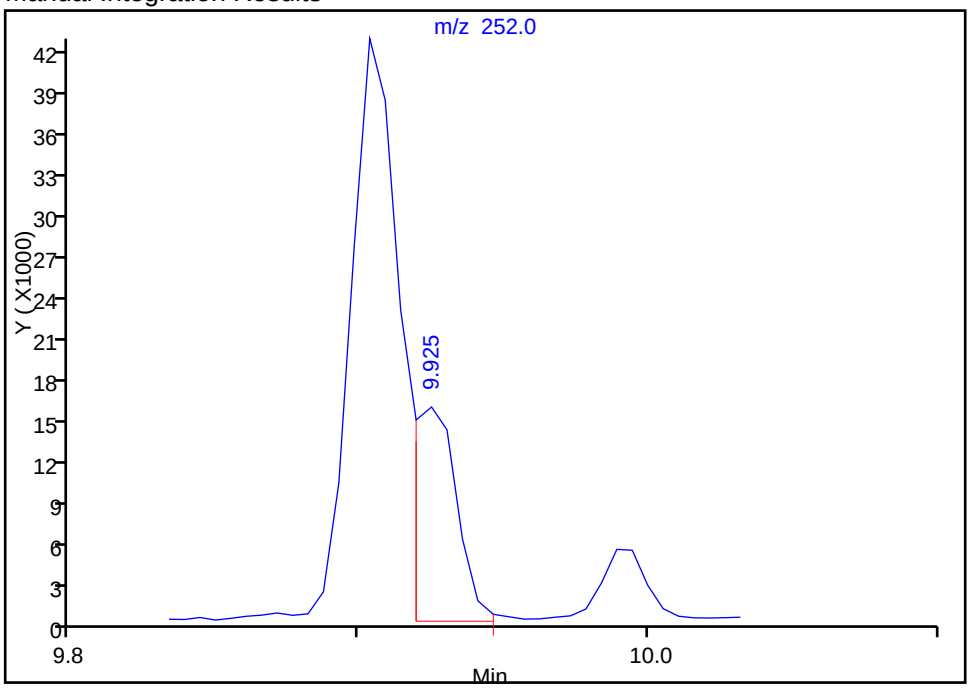
Processing Integration Results

RT: 10.18
Response: 22965
Amount: 0.365382



Manual Integration Results

RT: 9.92
Response: 16636
Amount: 0.264572



Reviewer: webbk, 17-Oct-2014 14:08:00
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0965D-CSD6 | Lab Sample ID: 680-106200-32

Matrix: Solid | Lab File ID: 1YJ1621.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 15:30

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 29.98(g) | Date Analyzed: 10/16/2014 19:13

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

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

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

Analysis Batch No.: 353862 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	74	U	74	36
208-96-8	Acenaphthylene	56	J	74	36
120-12-7	Anthracene	60	J	74	36
56-55-3	Benzo[a]anthracene	250		74	36
50-32-8	Benzo[a]pyrene	200		74	13
205-99-2	Benzo[b]fluoranthene	370		74	36
191-24-2	Benzo[g,h,i]perylene	160		74	36
207-08-9	Benzo[k]fluoranthene	100		74	22
218-01-9	Chrysene	400		74	36
53-70-3	Dibenz(a,h)anthracene	83		74	36
206-44-0	Fluoranthene	350		74	36
86-73-7	Fluorene	74	U	74	36
193-39-5	Indeno[1,2,3-cd]pyrene	100		74	36
90-12-0	1-Methylnaphthalene	240		74	34
91-57-6	2-Methylnaphthalene	210		74	36
91-20-3	Naphthalene	180		74	36
85-01-8	Phenanthrene	420		74	26
129-00-0	Pyrene	400		74	36

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\20141016-13814.b\1YJ1621.D
Lims ID: 680-106200-A-32-A Lab Sample ID: 680-106200-32
Client ID: CV0965D-CSD6
Sample Type: Client
Inject. Date: 16-Oct-2014 19:13:30 ALS Bottle#: 20 Worklist Smp#: 21
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-32-A 1:10
Misc. Info.: 680-0013814-021
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141016-13814.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 17-Oct-2014 08:59:05 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: RT Order 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: XAWRK009

First Level Reviewer: webbk Date: 17-Oct-2014 08:54:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.803	2.803	0.000	98	153036	2.00	
* 2 Acenaphthene-d10	164	4.493	4.487	0.006	91	85980	2.00	
* 3 Phenanthrene-d10	188	6.065	6.054	0.011	97	135506	2.00	
* 4 Chrysene-d12	240	8.937	8.927	0.010	99	106467	2.00	
* 5 Perylene-d12	264	10.291	10.269	0.022	98	89691	2.00	
7 Naphthalene	128	2.824	2.819	0.005	99	41478	0.4969	
8 2-Methylnaphthalene	142	3.460	3.455	0.005	84	30890	0.5581	
9 1-Methylnaphthalene	142	3.551	3.546	0.005	86	33686	0.6563	
11 Acenaphthylene	152	4.343	4.338	0.005	80	12781	0.1534	
12 Acenaphthene	153	4.525	4.519	0.006	32	2919	0.0545	
14 Fluorene	166	5.070	5.065	0.005	59	4665	0.0789	
15 Phenanthrene	178	6.087	6.081	0.006	96	92859	1.15	
16 Anthracene	178	6.140	6.135	0.005	86	13221	0.1639	
17 Fluoranthene	202	7.381	7.376	0.005	98	81406	0.9471	
18 Pyrene	202	7.616	7.606	0.010	97	75114	1.08	
19 Benzo[a]anthracene	228	8.927	8.916	0.011	97	41907	0.6730	
20 Chrysene	228	8.959	8.953	0.006	91	64285	1.09	
21 Benzo[b]fluoranthene	252	9.964	9.948	0.016	97	59566	1.01	M
22 Benzo[k]fluoranthene	252	9.986	9.975	0.011	99	16146	0.2818	M
23 Benzo[a]pyrene	252	10.237	10.221	0.016	96	26279	0.5416	
24 Indeno[1,2,3-cd]pyrene	276	11.130	11.109	0.021	96	16245	0.2779	
25 Dibenz(a,h)anthracene	278	11.152	11.136	0.016	34	9581	0.2260	
26 Benzo[g,h,i]perylene	276	11.350	11.323	0.027	83	19836	0.4485	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

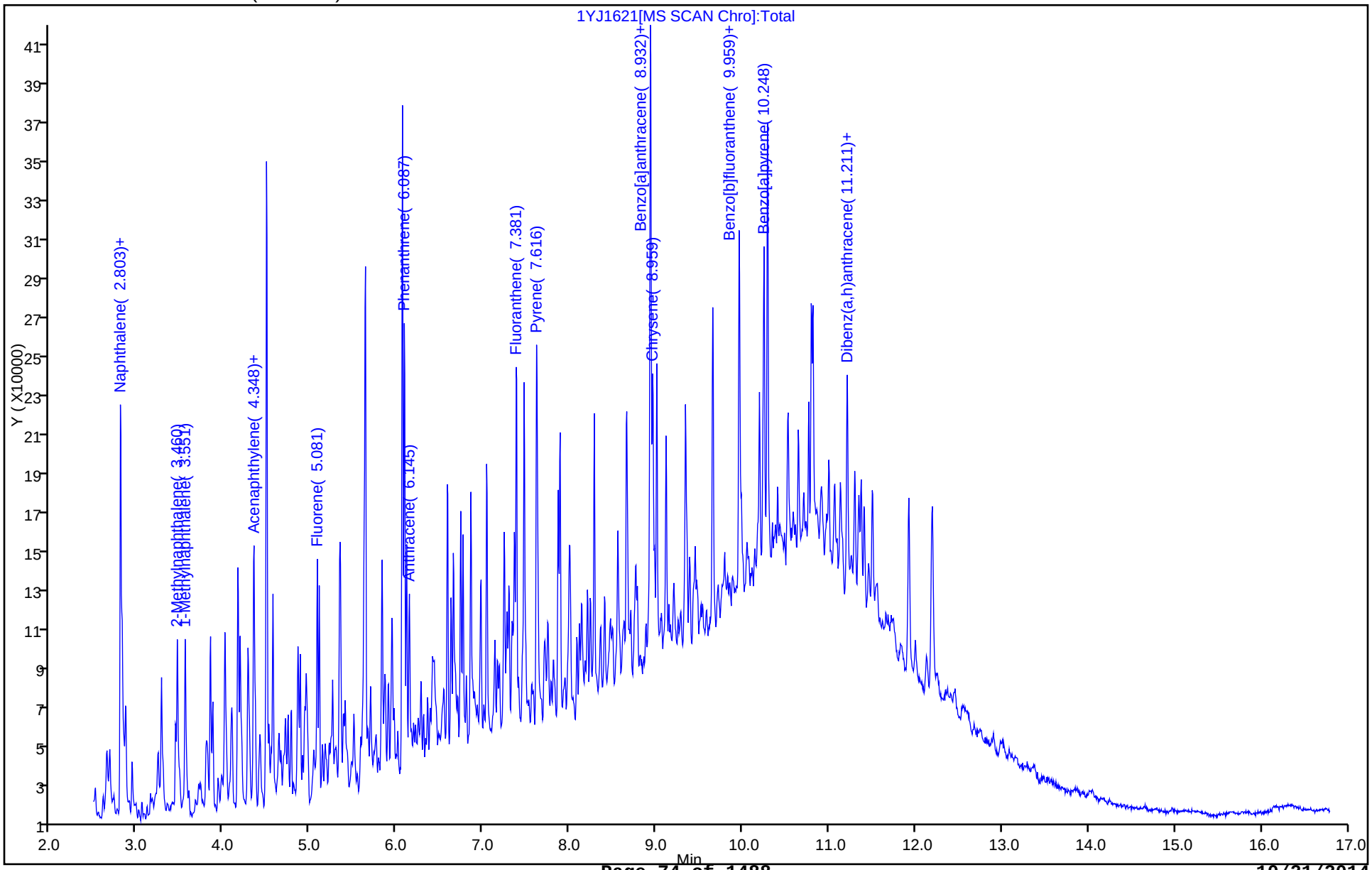
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32	Worklist Smp#:	21
Client ID:	CV0965D-CSD6				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	20
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

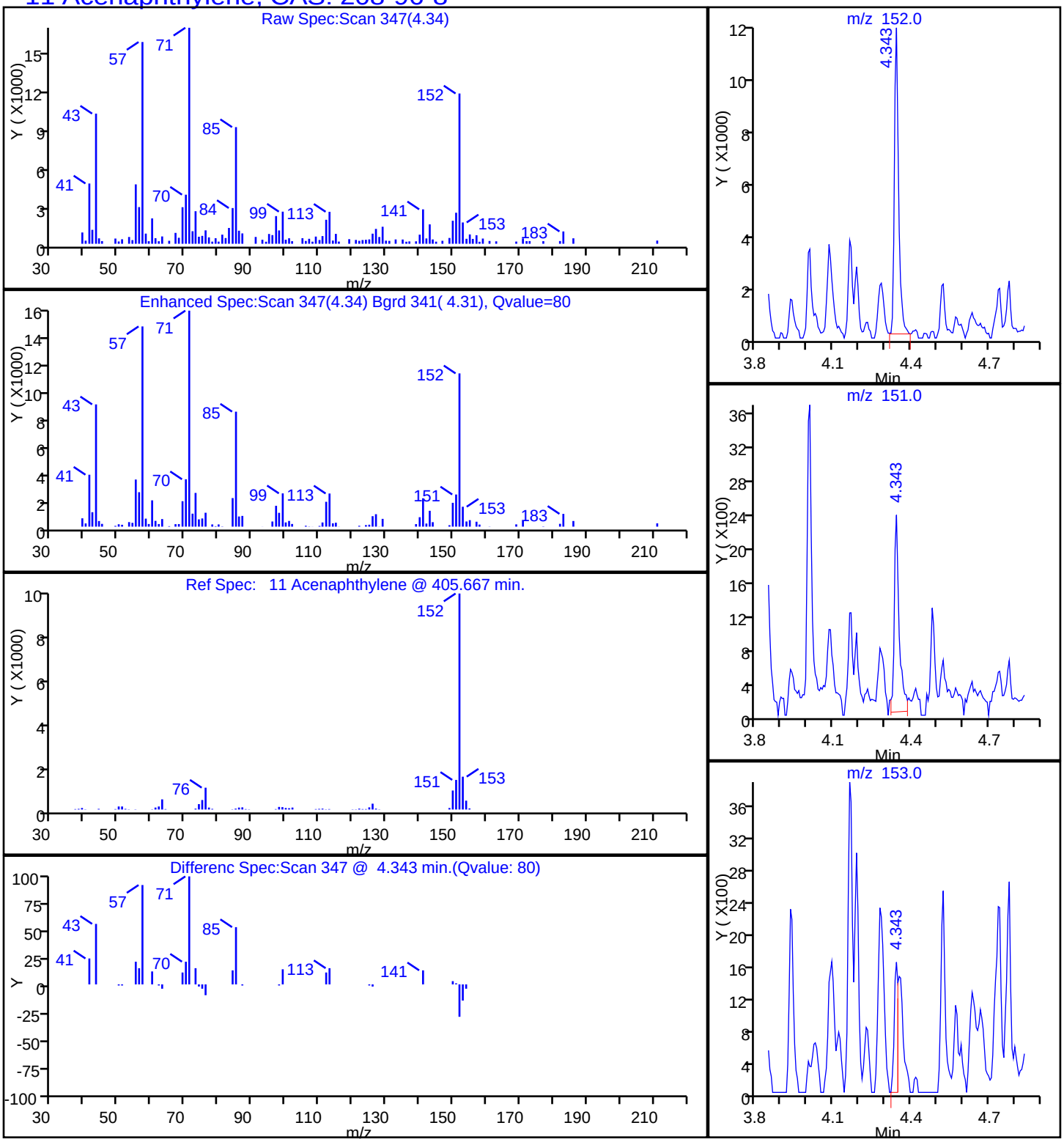


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

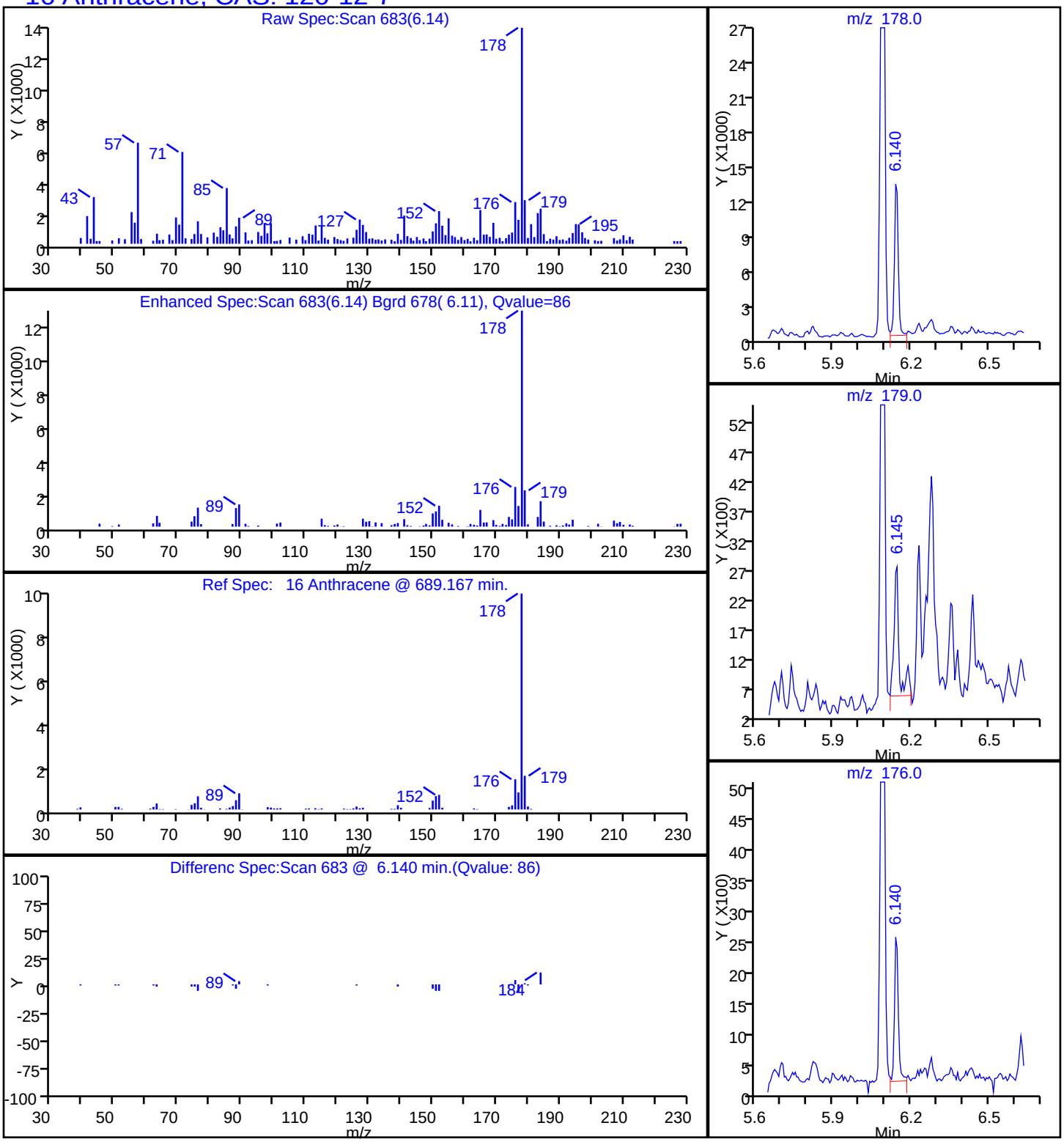


Report Date: 17-Oct-2014 08:59:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

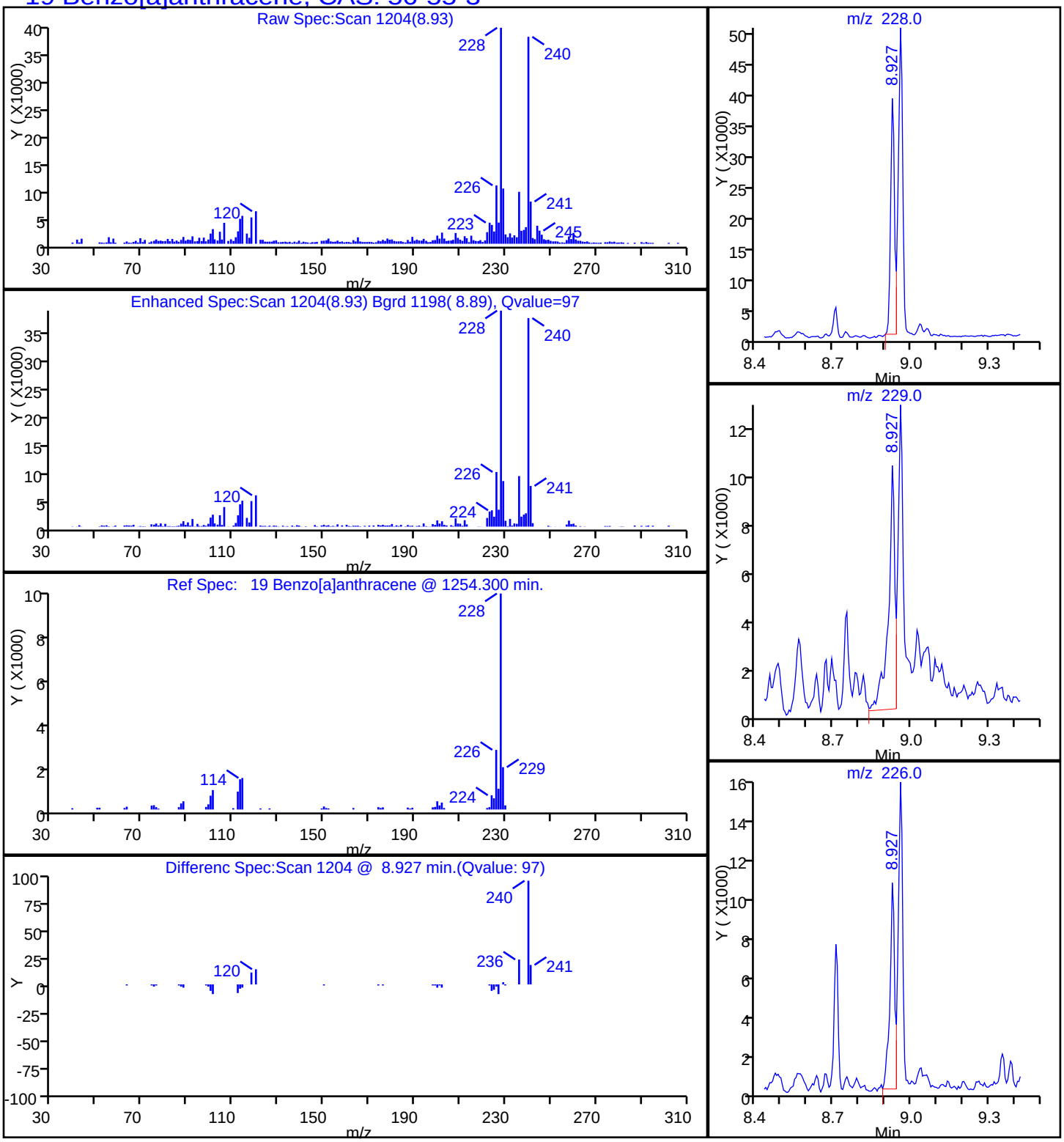


Report Date: 17-Oct-2014 08:59:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

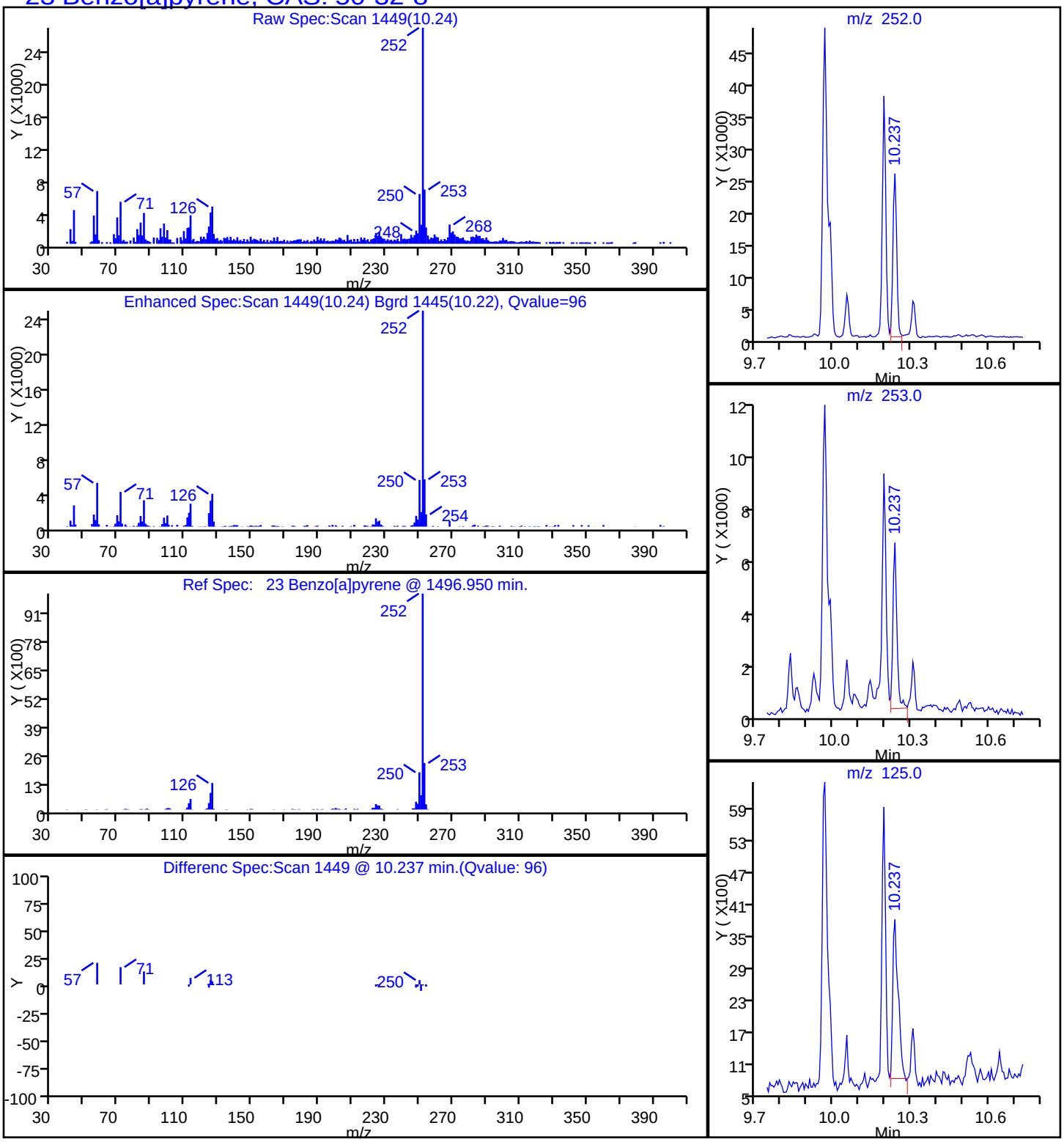


Report Date: 17-Oct-2014 08:59:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

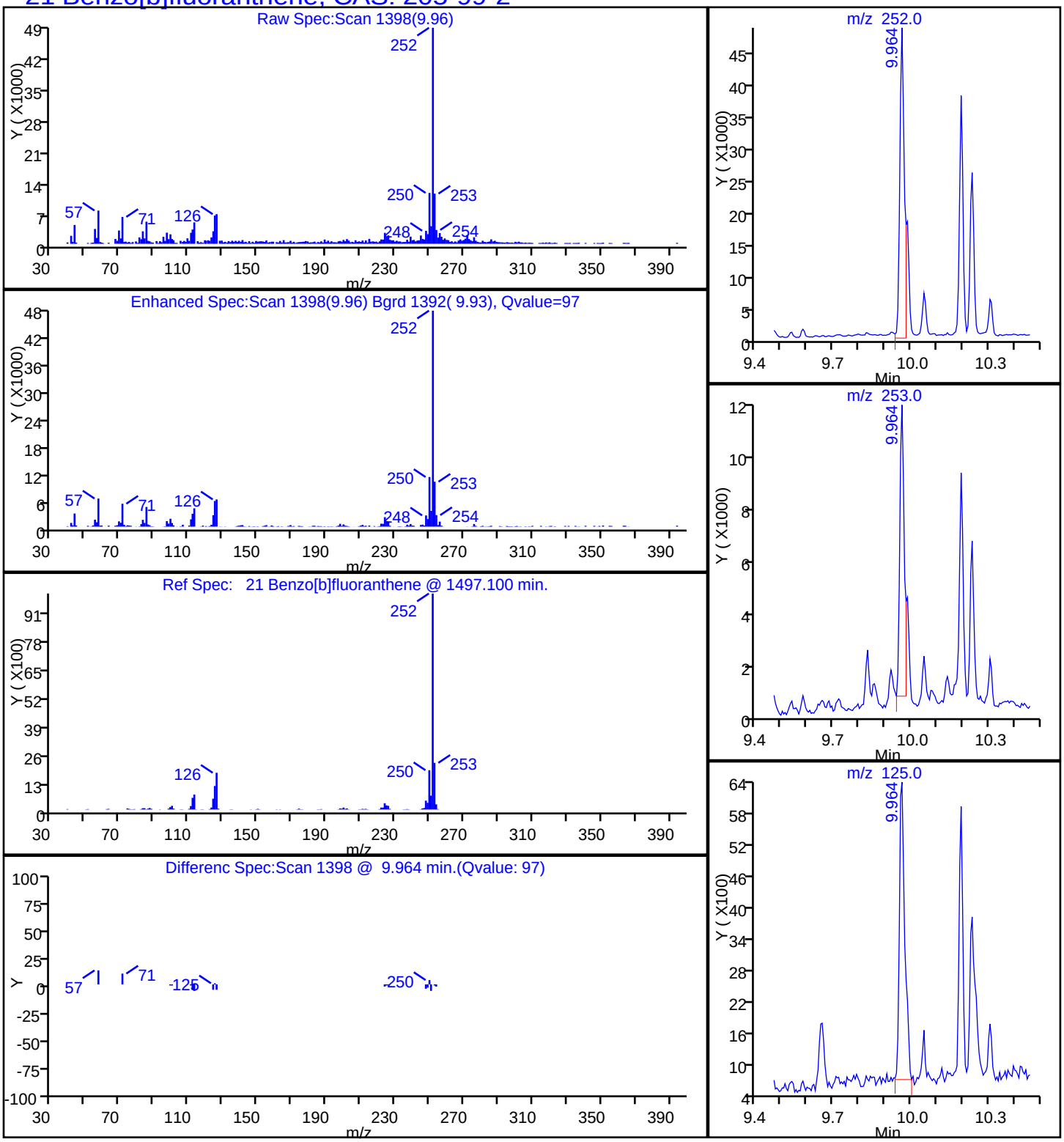


Report Date: 17-Oct-2014 08:59:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

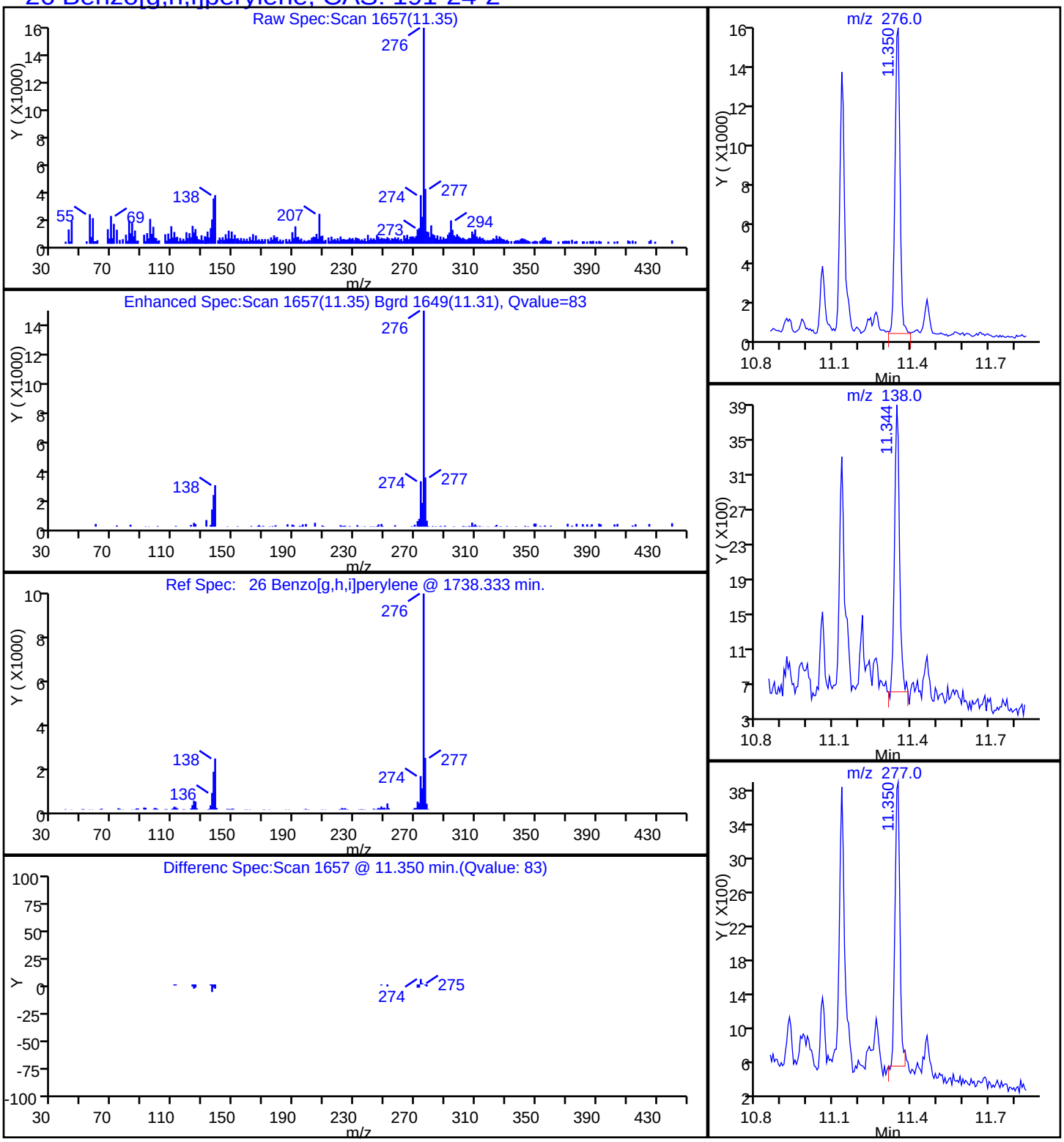


Report Date: 17-Oct-2014 08:59:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

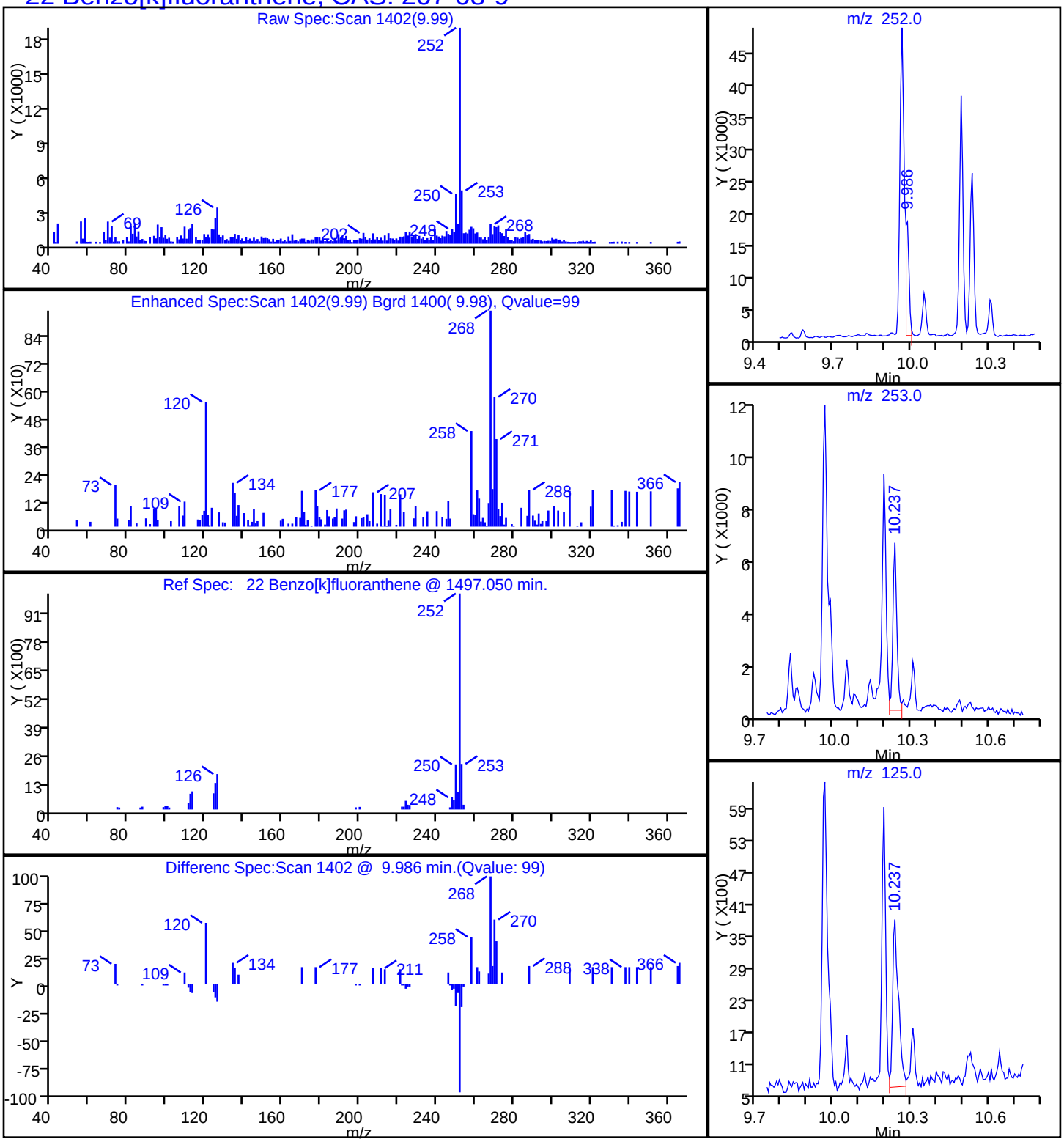


Report Date: 17-Oct-2014 08:59:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

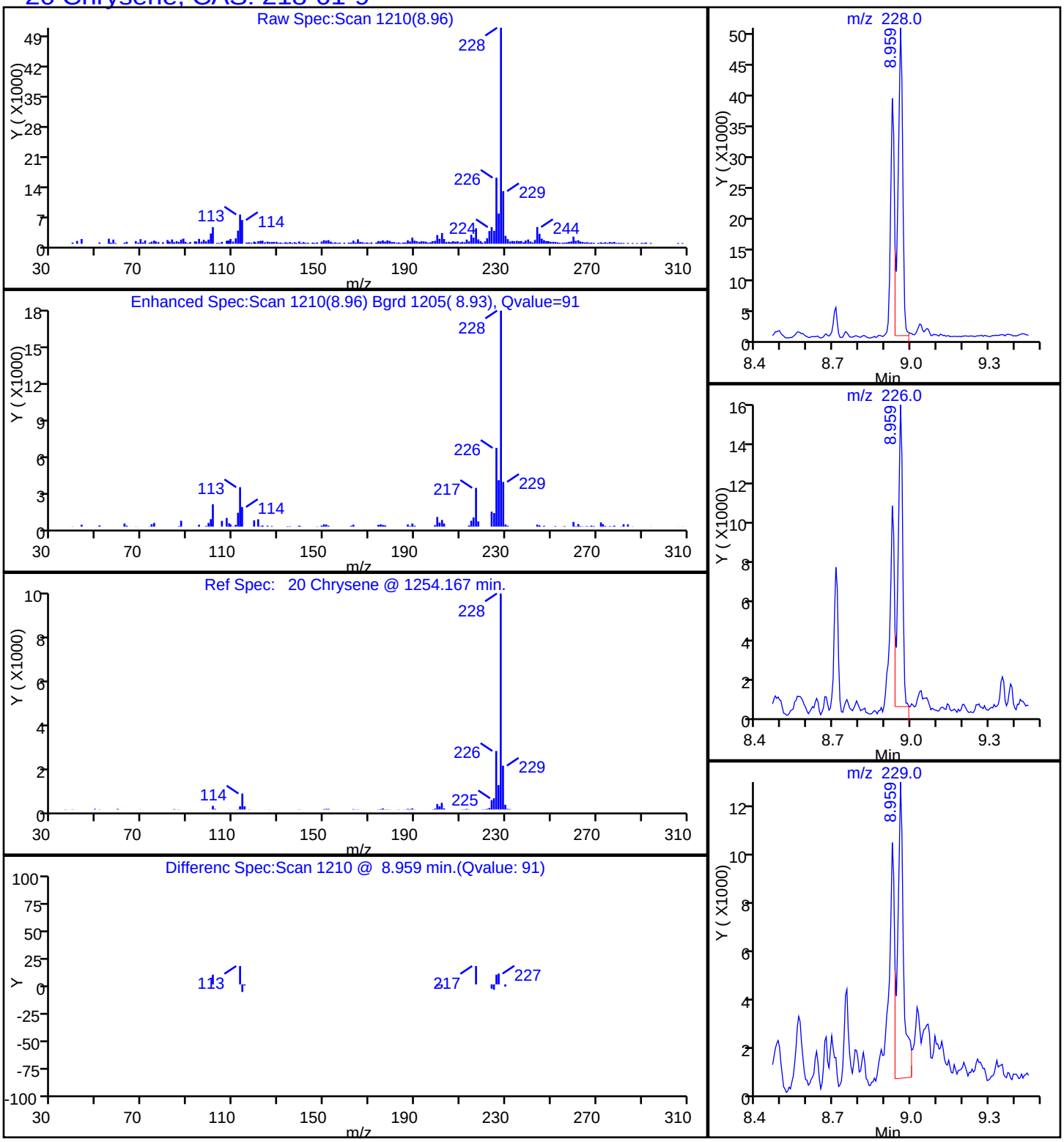


Report Date: 17-Oct-2014 08:59:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

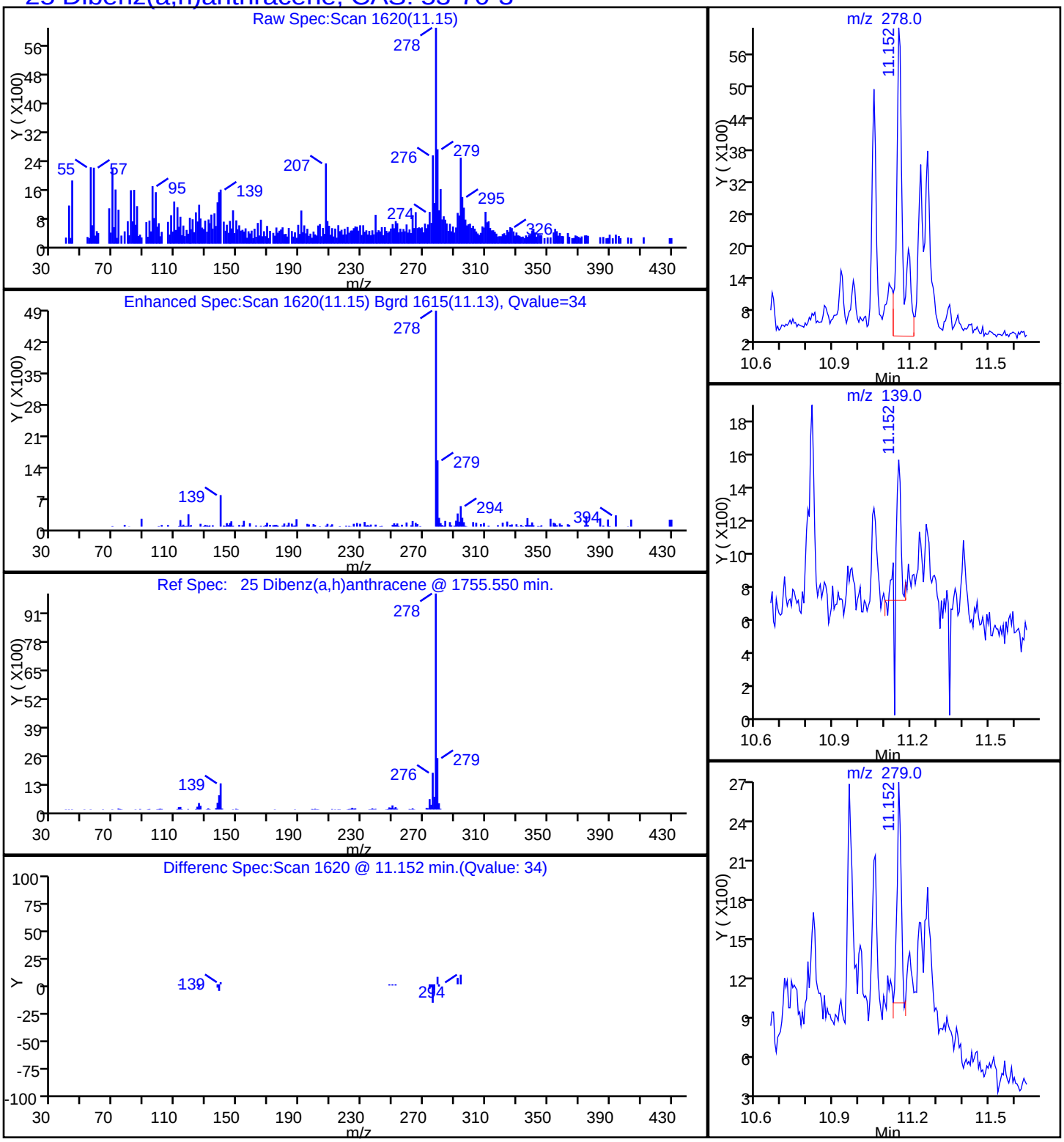


Report Date: 17-Oct-2014 08:59:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

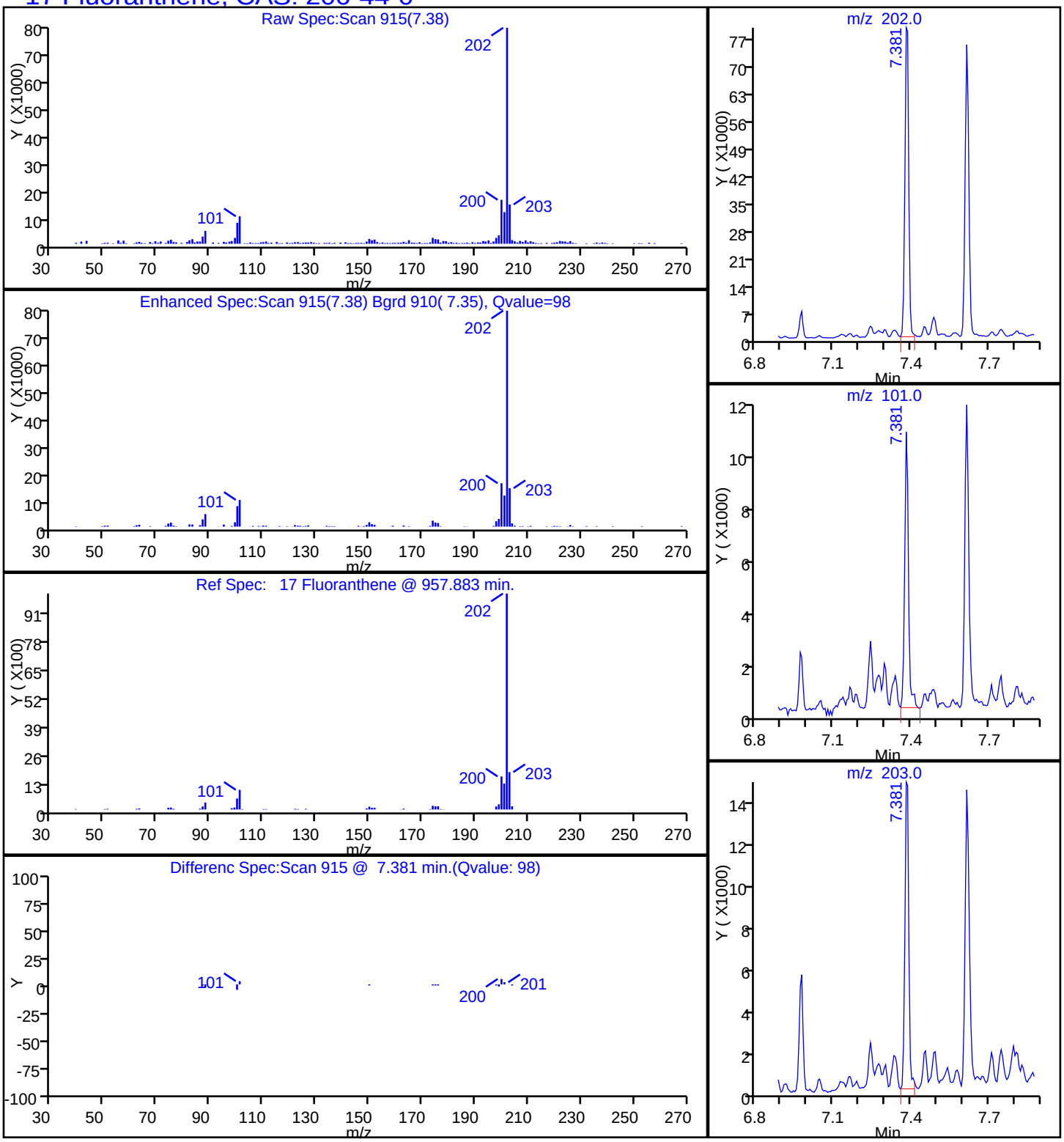


Report Date: 17-Oct-2014 08:59:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

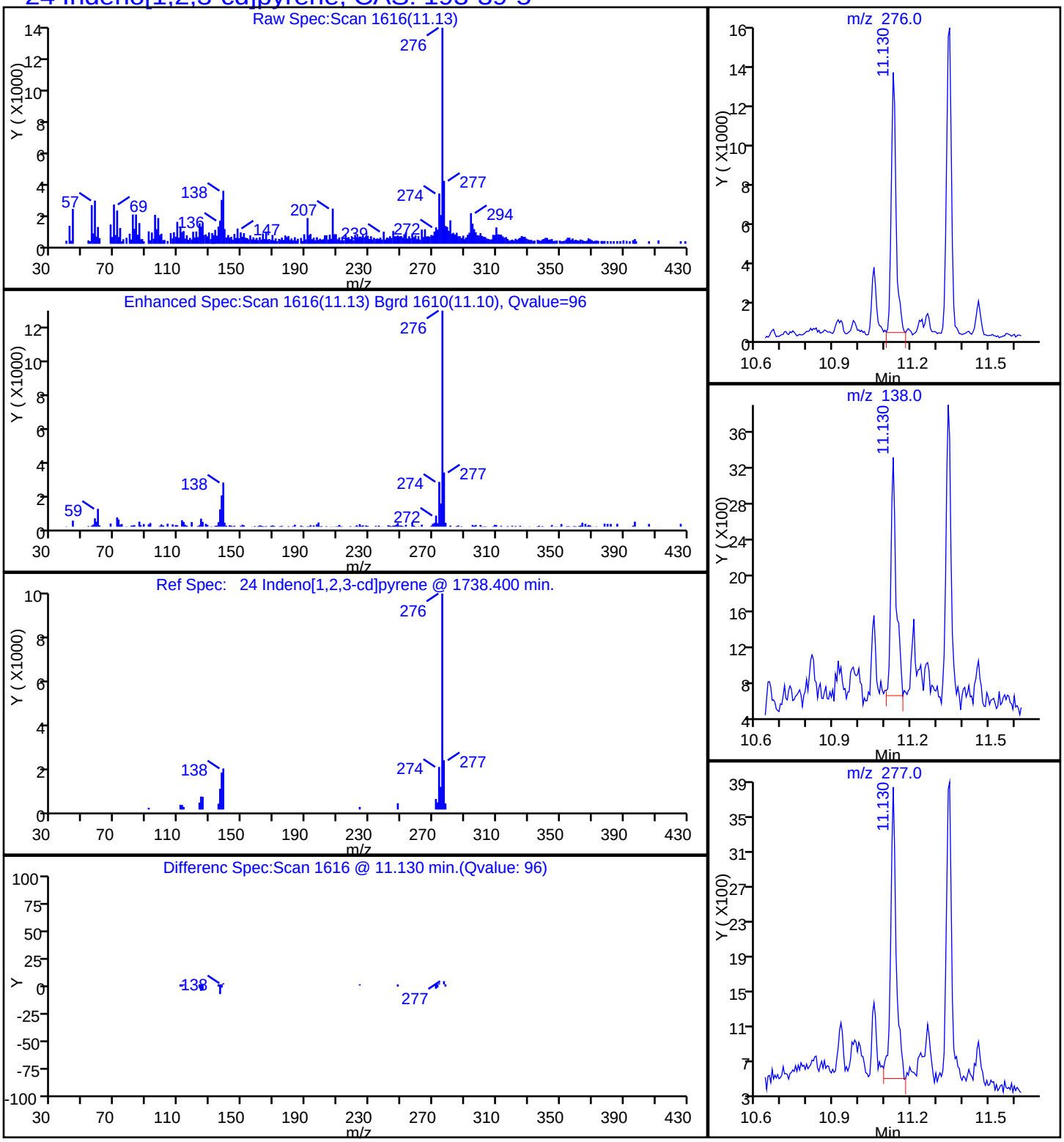


Report Date: 17-Oct-2014 08:59:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

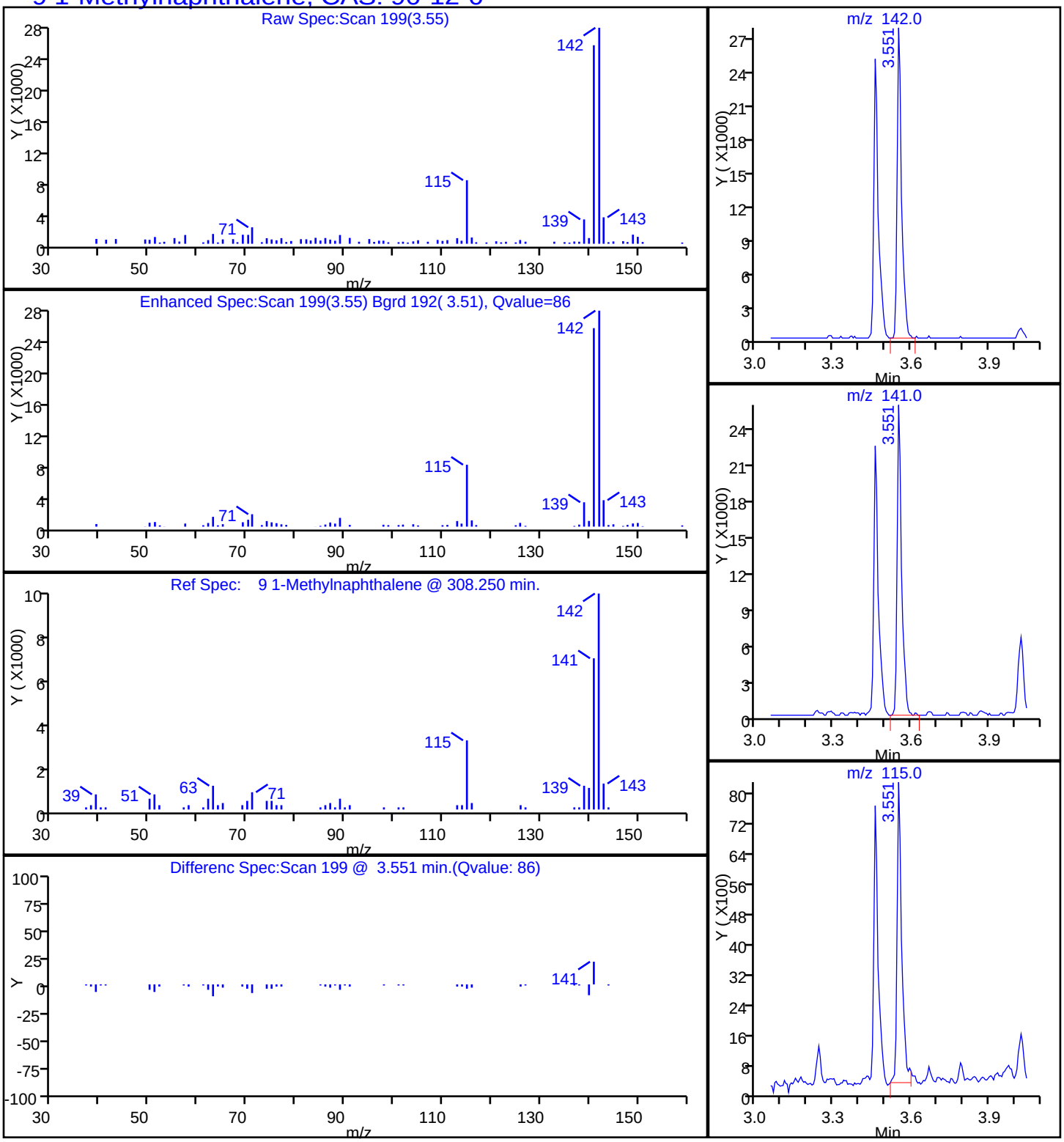


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

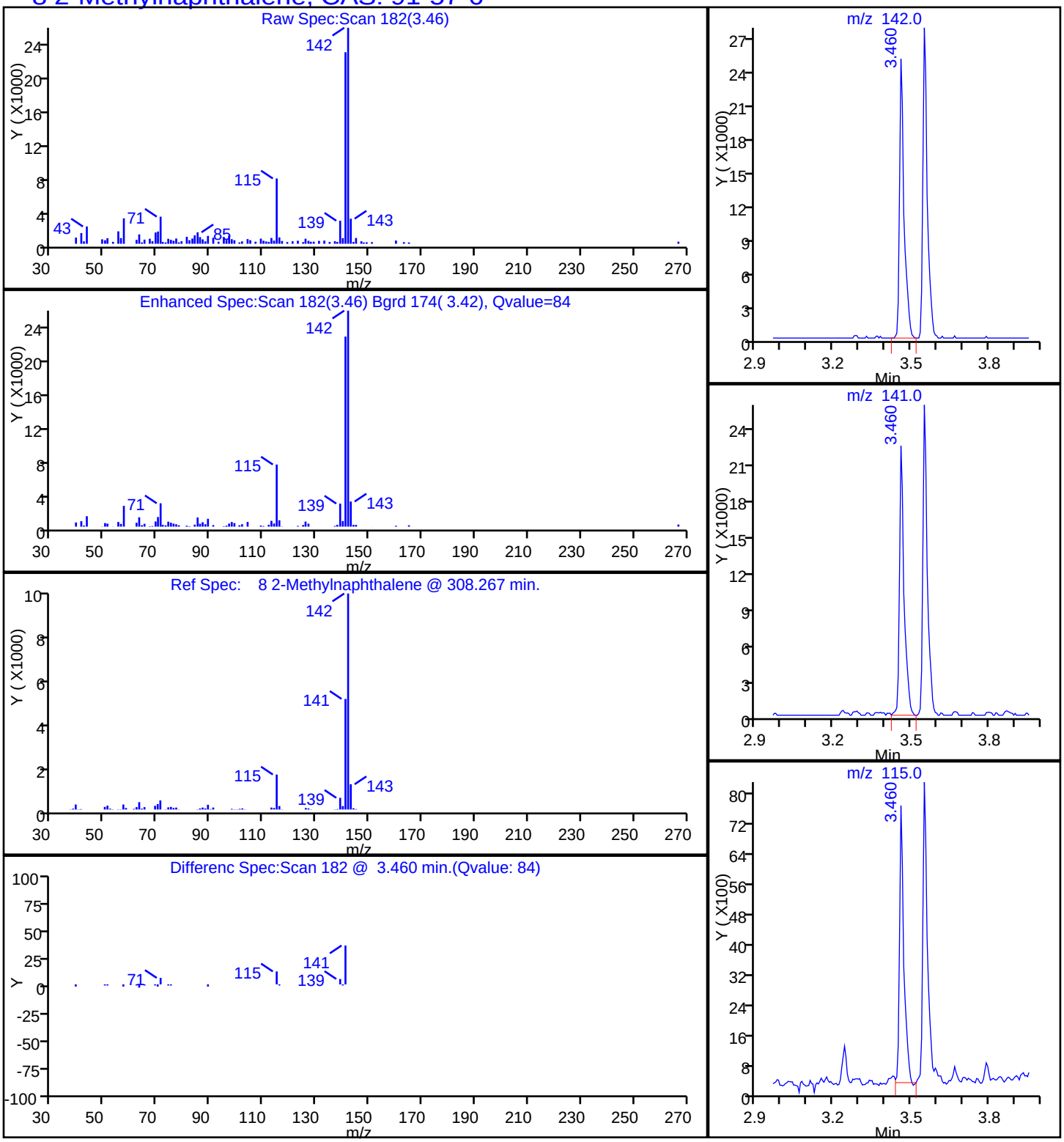


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

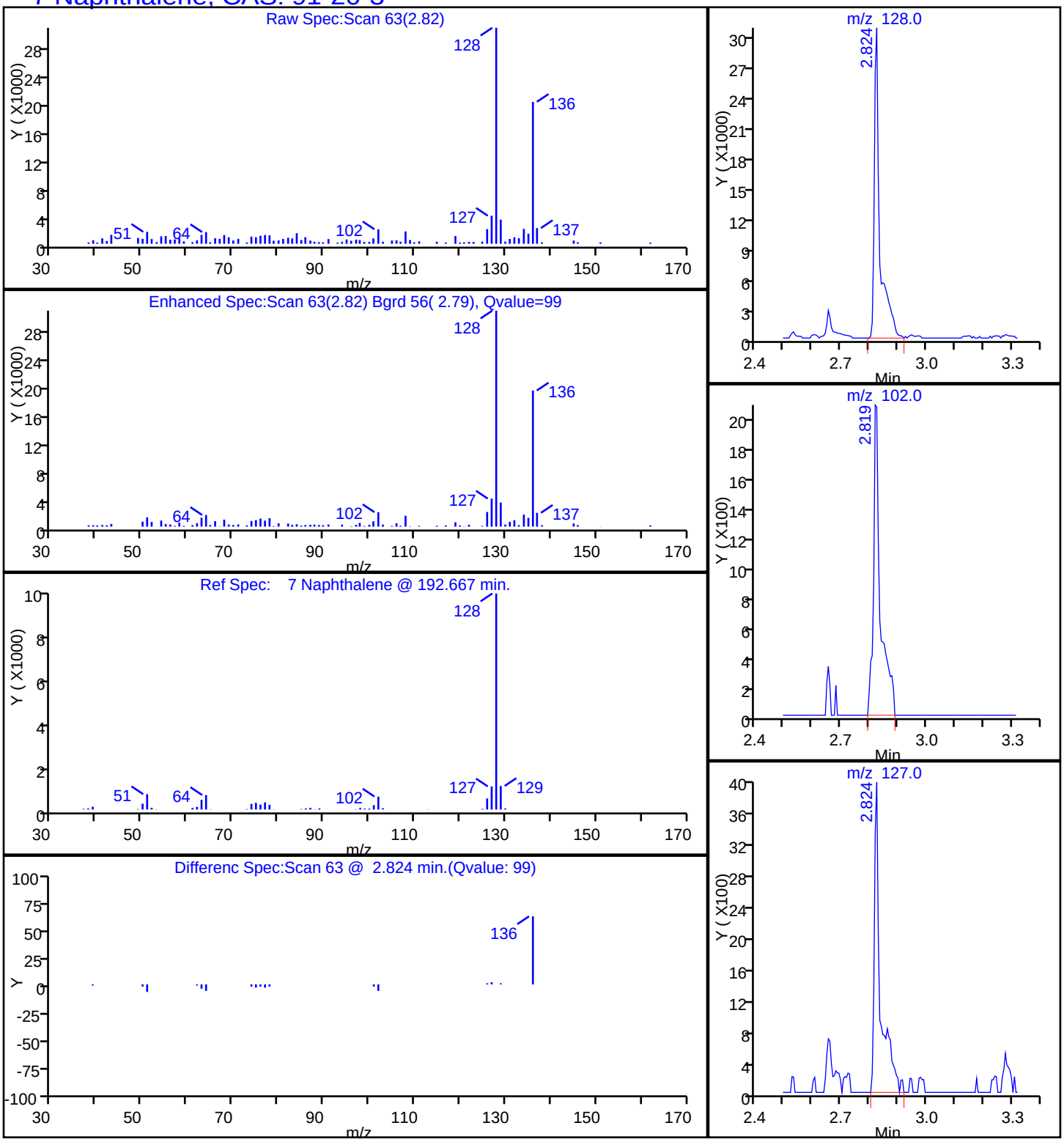


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

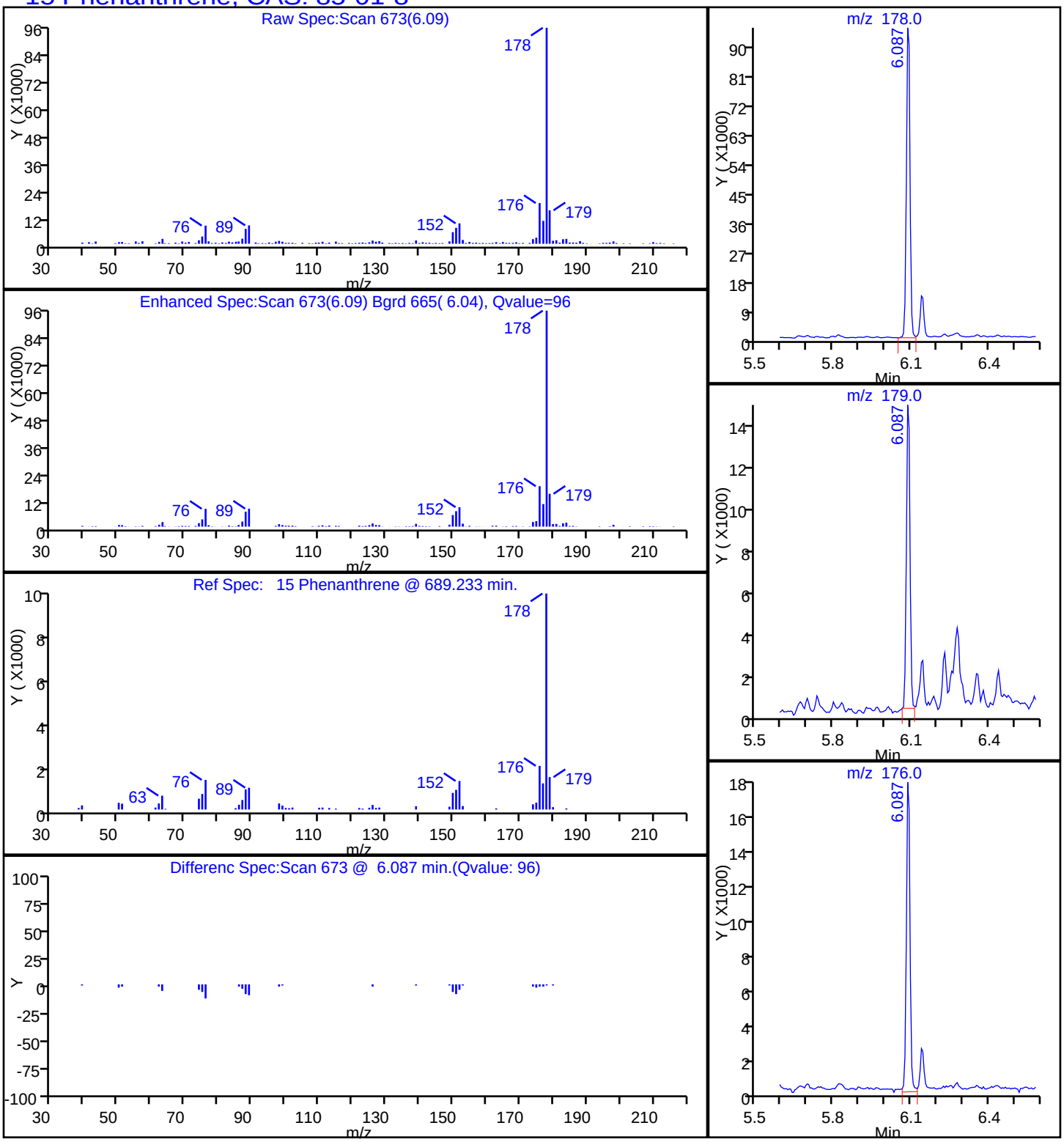


Report Date: 17-Oct-2014 08:59:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

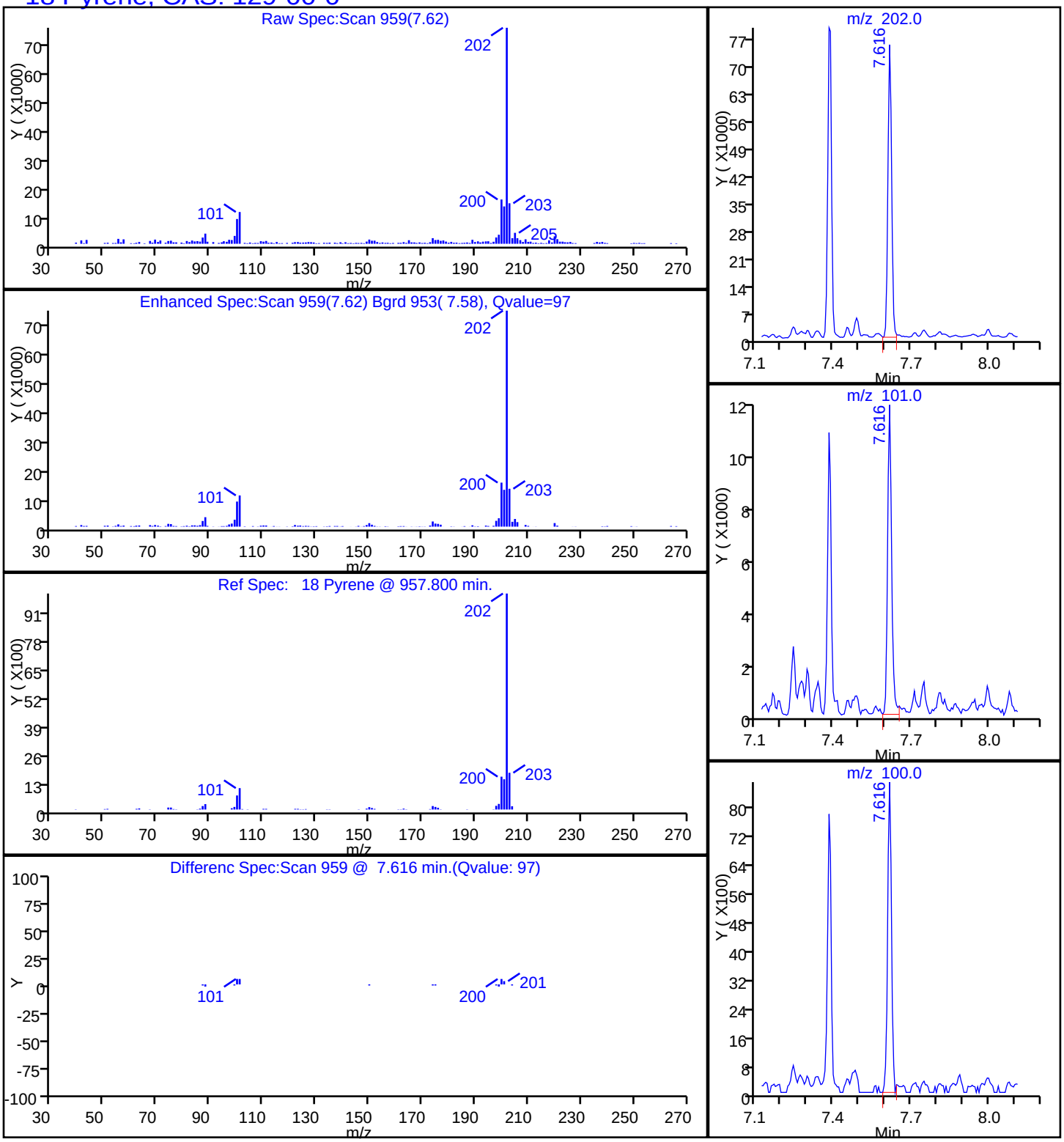


Report Date: 17-Oct-2014 08:59:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

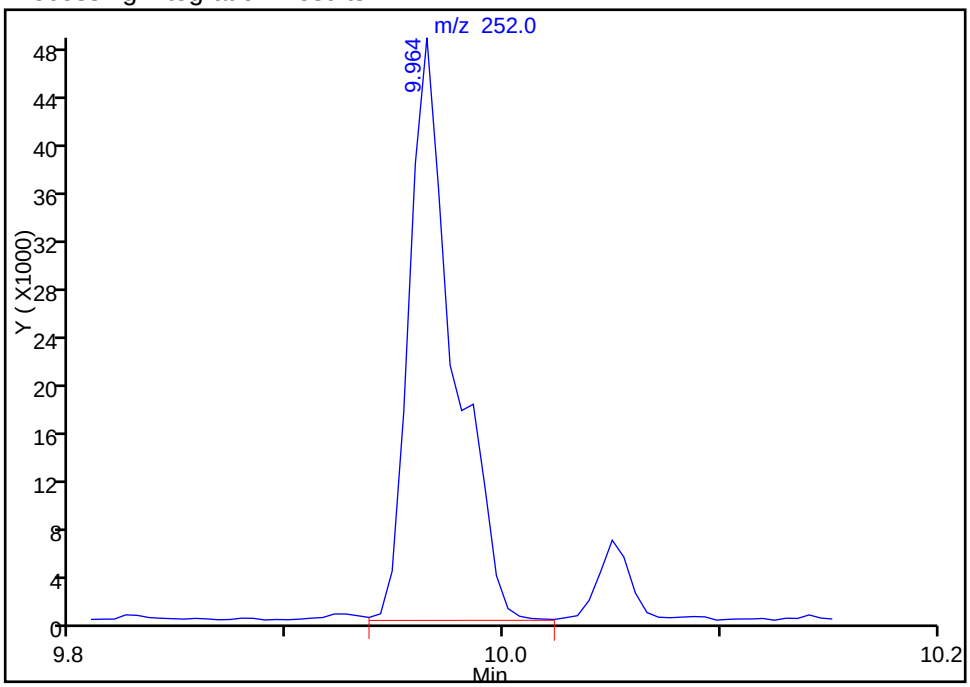
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

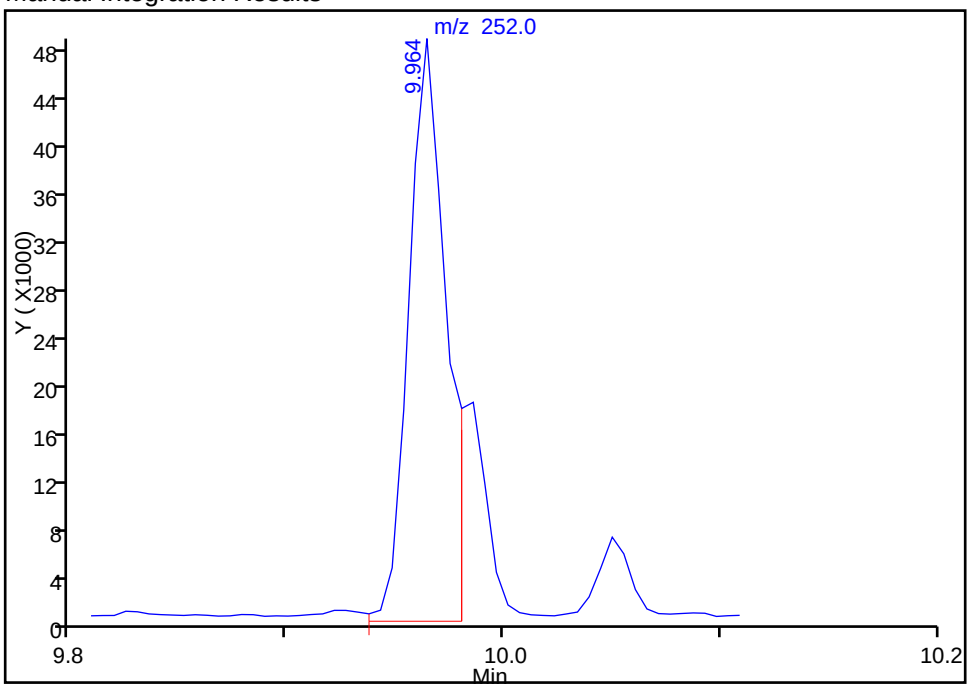
Processing Integration Results

RT: 9.96
Response: 69465
Amount: 1.177563



Manual Integration Results

RT: 9.96
Response: 59566
Amount: 1.009756



Reviewer: webbk, 17-Oct-2014 08:54:43
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

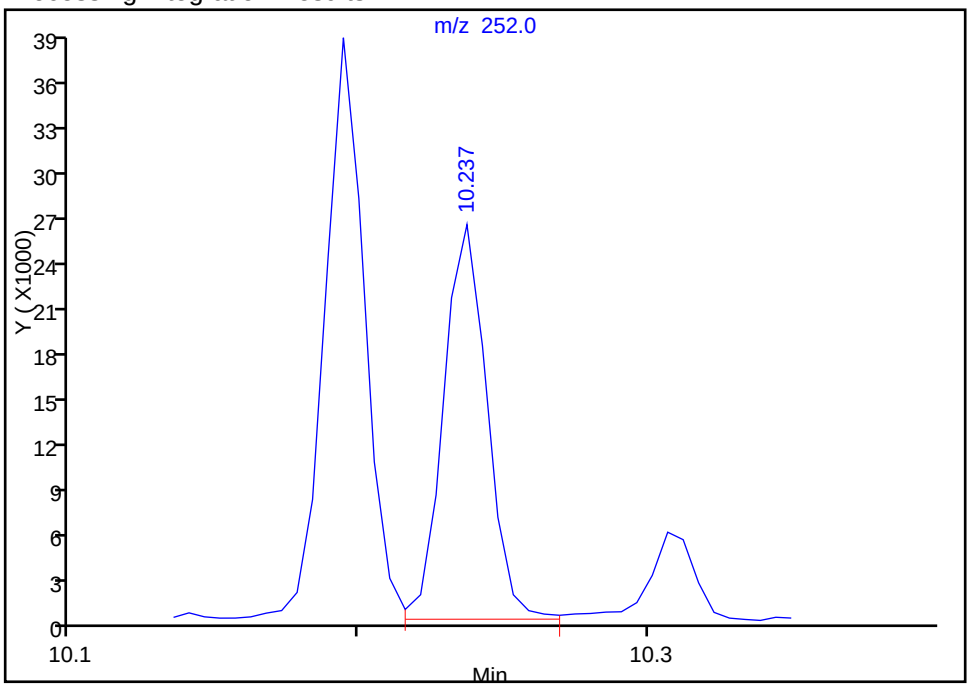
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1621.D				
Injection Date:	16-Oct-2014 19:13:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-32-A	Lab Sample ID:	680-106200-32		
Client ID:	CV0965D-CSD6				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	21
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

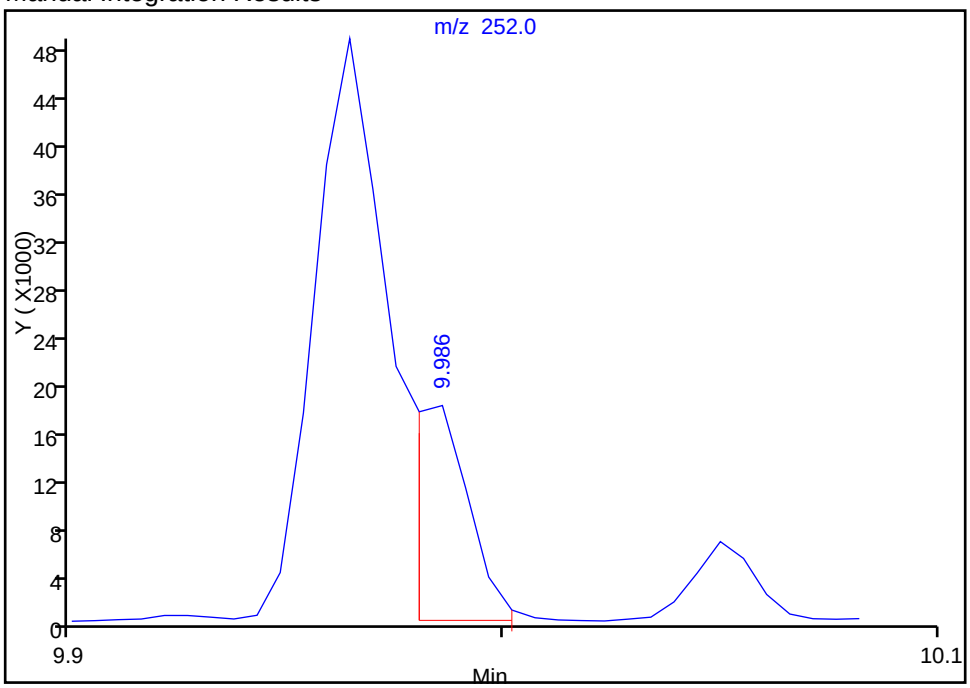
Processing Integration Results

RT: 10.24
Response: 26740
Amount: 0.467079



Manual Integration Results

RT: 9.99
Response: 16146
Amount: 0.281807



Reviewer: webbk, 17-Oct-2014 08:54:43
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0965D-CS12 | Lab Sample ID: 680-106200-33

Matrix: Solid | Lab File ID: 1YJ1622.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 15:40

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.01(g) | Date Analyzed: 10/16/2014 19:35

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

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

% Moisture: 5.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353862 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	71	U	71	35
208-96-8	Acenaphthylene	71	U	71	35
120-12-7	Anthracene	46	J	71	35
56-55-3	Benzo[a]anthracene	190		71	35
50-32-8	Benzo[a]pyrene	200		71	13
205-99-2	Benzo[b]fluoranthene	300		71	35
191-24-2	Benzo[g,h,i]perylene	150		71	35
207-08-9	Benzo[k]fluoranthene	120		71	21
218-01-9	Chrysene	220		71	35
53-70-3	Dibenz(a,h)anthracene	57	J	71	35
206-44-0	Fluoranthene	240		71	35
86-73-7	Fluorene	71	U	71	35
193-39-5	Indeno[1,2,3-cd]pyrene	120		71	35
90-12-0	1-Methylnaphthalene	54	J	71	33
91-57-6	2-Methylnaphthalene	52	J	71	35
91-20-3	Naphthalene	60	J	71	35
85-01-8	Phenanthrene	210		71	25
129-00-0	Pyrene	260		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\20141016-13814.b\1YJ1622.D				
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Sample Type:	Client				
Inject. Date:	16-Oct-2014 19:35:30	ALS Bottle#:	21	Worklist Smp#:	22
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	106200-A-33-A 1:10				
Misc. Info.:	680-0013814-022				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	17-Oct-2014 08:59:05	Calib Date:	07-Oct-2014 15:41:30
Integrator:	RTE	ID Type:	RT Order 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:	XAWRK009	

First Level Reviewer: webbk Date: 17-Oct-2014 08:55:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.803	2.803	0.000	98	142697	2.00	
* 2 Acenaphthene-d10	164	4.493	4.487	0.006	91	83504	2.00	
* 3 Phenanthrene-d10	188	6.065	6.054	0.011	97	128735	2.00	
* 4 Chrysene-d12	240	8.932	8.927	0.005	99	99113	2.00	
* 5 Perylene-d12	264	10.285	10.269	0.016	98	83017	2.00	
7 Naphthalene	128	2.824	2.819	0.005	71	13304	0.1709	
8 2-Methylnaphthalene	142	3.460	3.455	0.005	64	7681	0.1488	
9 1-Methylnaphthalene	142	3.551	3.546	0.005	53	7391	0.1544	
11 Acenaphthylene	152	4.343	4.338	0.005	67	4676	0.0578	
14 Fluorene	166	5.070	5.065	0.005	63	3314	0.0577	
15 Phenanthrene	178	6.087	6.081	0.006	92	45237	0.5872	
16 Anthracene	178	6.140	6.135	0.005	85	10103	0.1319	
17 Fluoranthene	202	7.381	7.376	0.005	98	55685	0.6820	
18 Pyrene	202	7.616	7.606	0.010	97	47164	0.7271	
19 Benzo[a]anthracene	228	8.927	8.916	0.011	72	30668	0.5291	
20 Chrysene	228	8.959	8.953	0.006	90	35176	0.6373	
21 Benzo[b]fluoranthene	252	9.964	9.948	0.016	97	46756	0.8563	
22 Benzo[k]fluoranthene	252	9.975	9.975	0.000	98	17494	0.3299	M
23 Benzo[a]pyrene	252	10.237	10.221	0.016	96	25515	0.5681	
24 Indeno[1,2,3-cd]pyrene	276	11.130	11.109	0.021	96	18757	0.3447	
25 Dibenz(a,h)anthracene	278	11.152	11.136	0.016	78	6337	0.1615	
26 Benzo[g,h,i]perylene	276	11.344	11.323	0.021	87	17770	0.4341	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

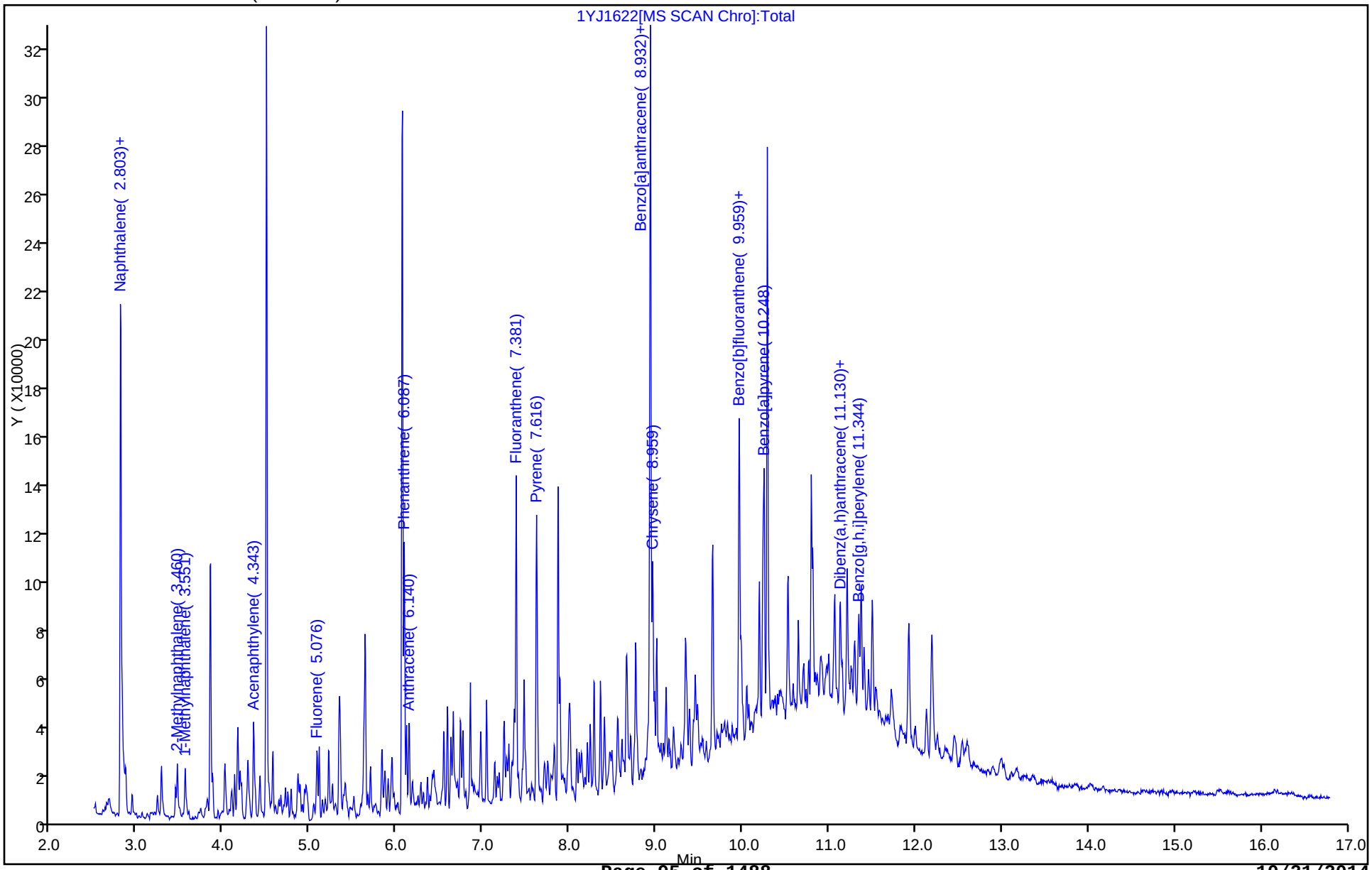
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33	Worklist Smp#:	22
Client ID:	CV0965D-CS12				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	21
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

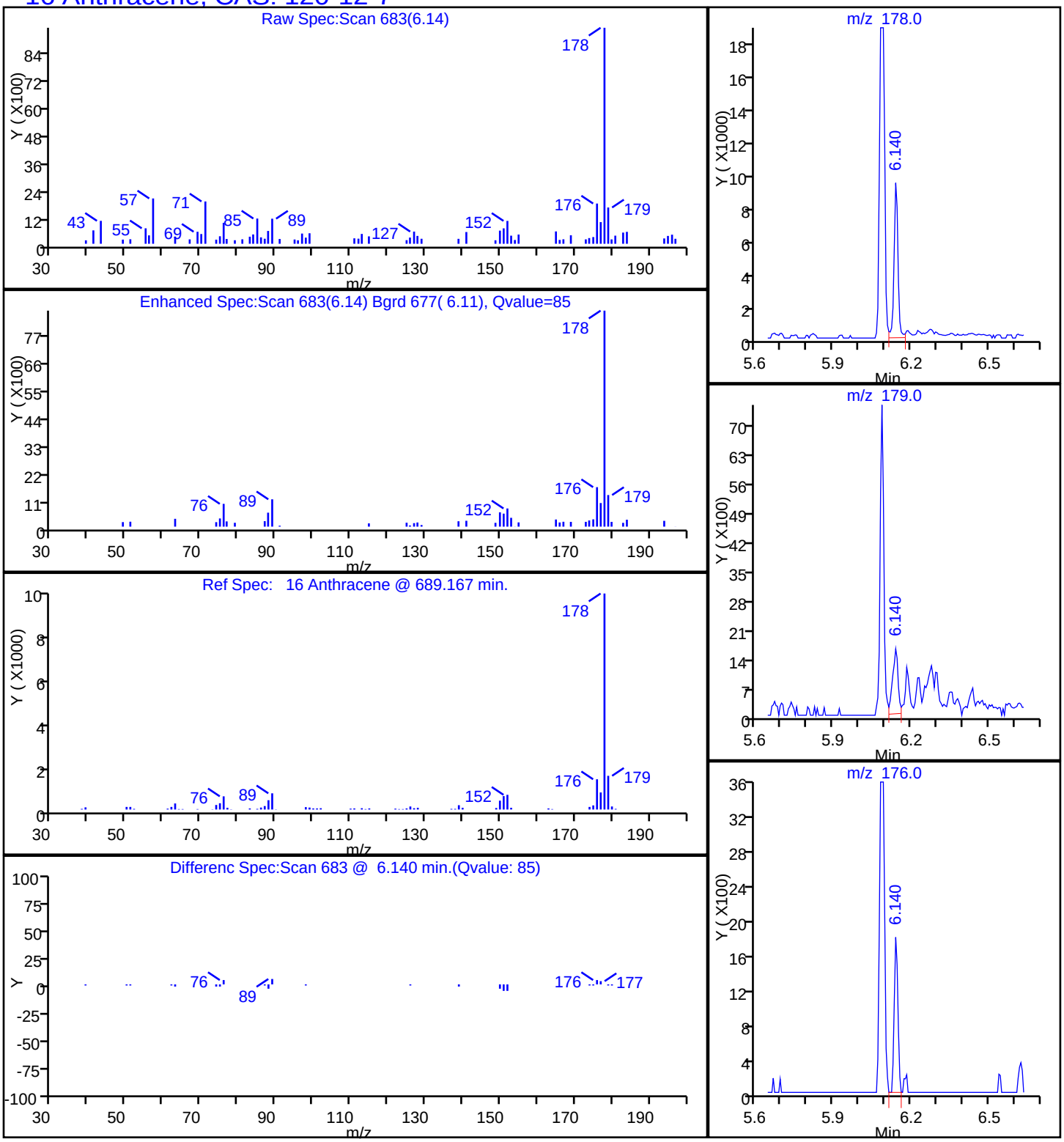


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

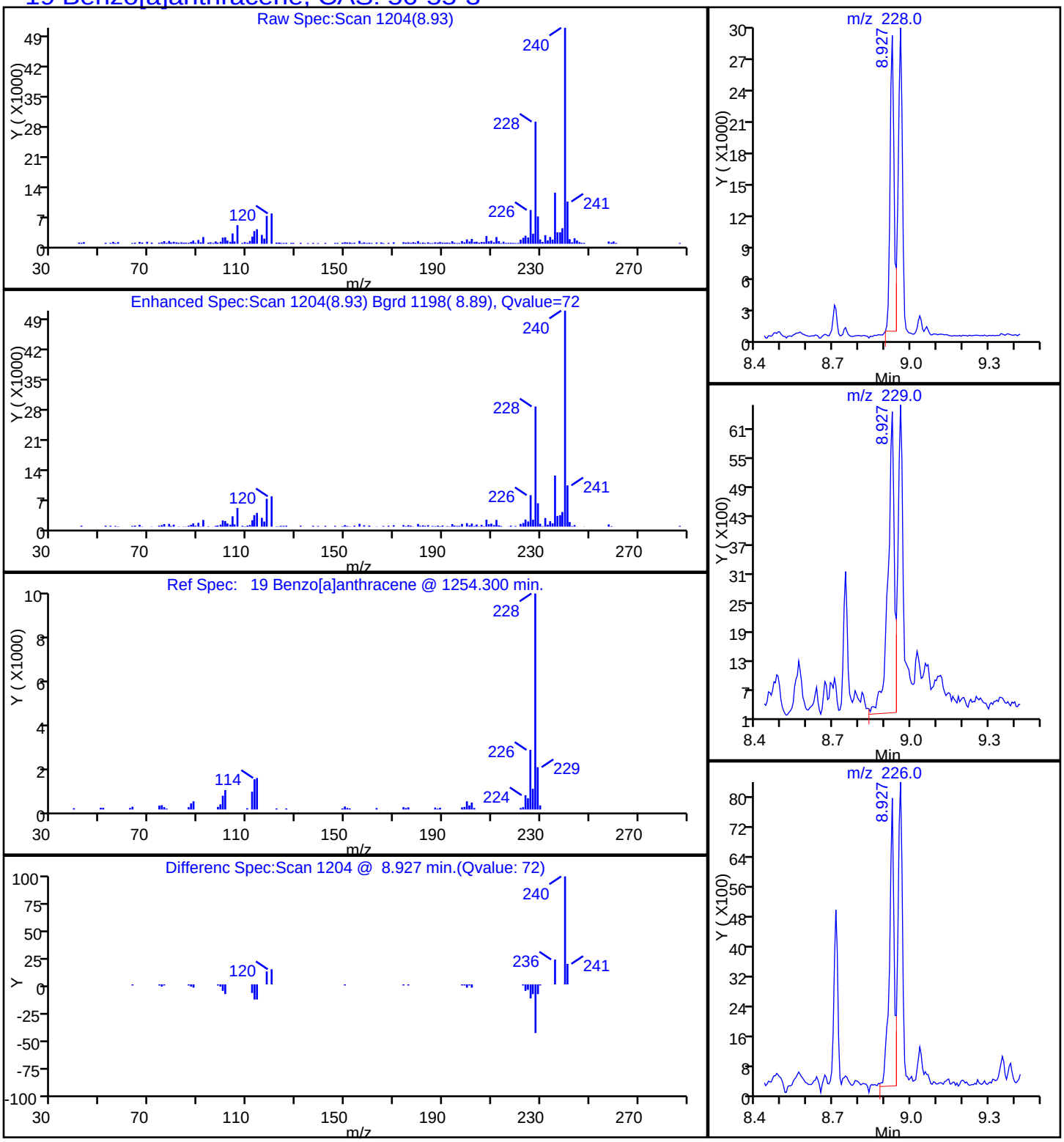


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

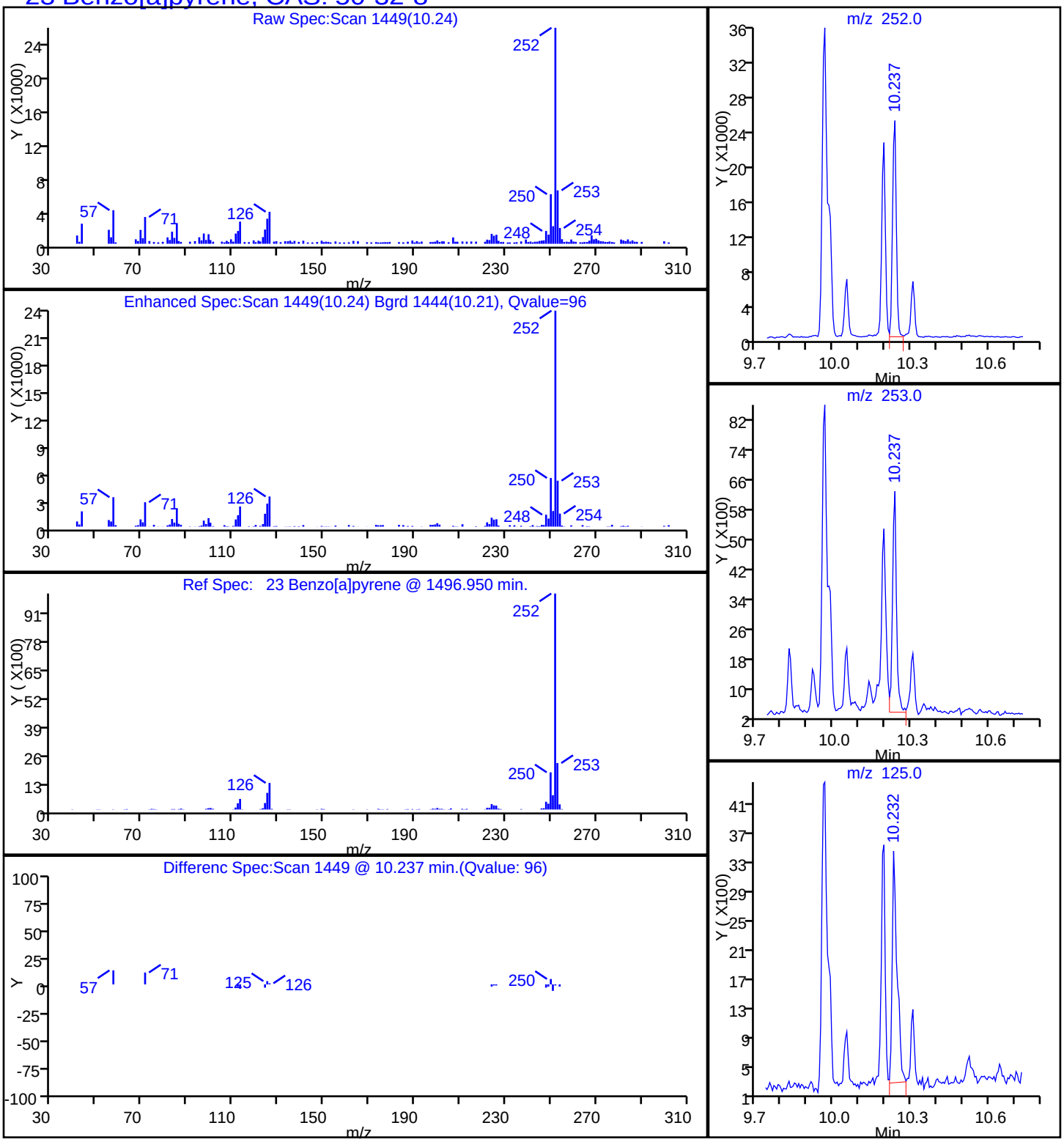


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

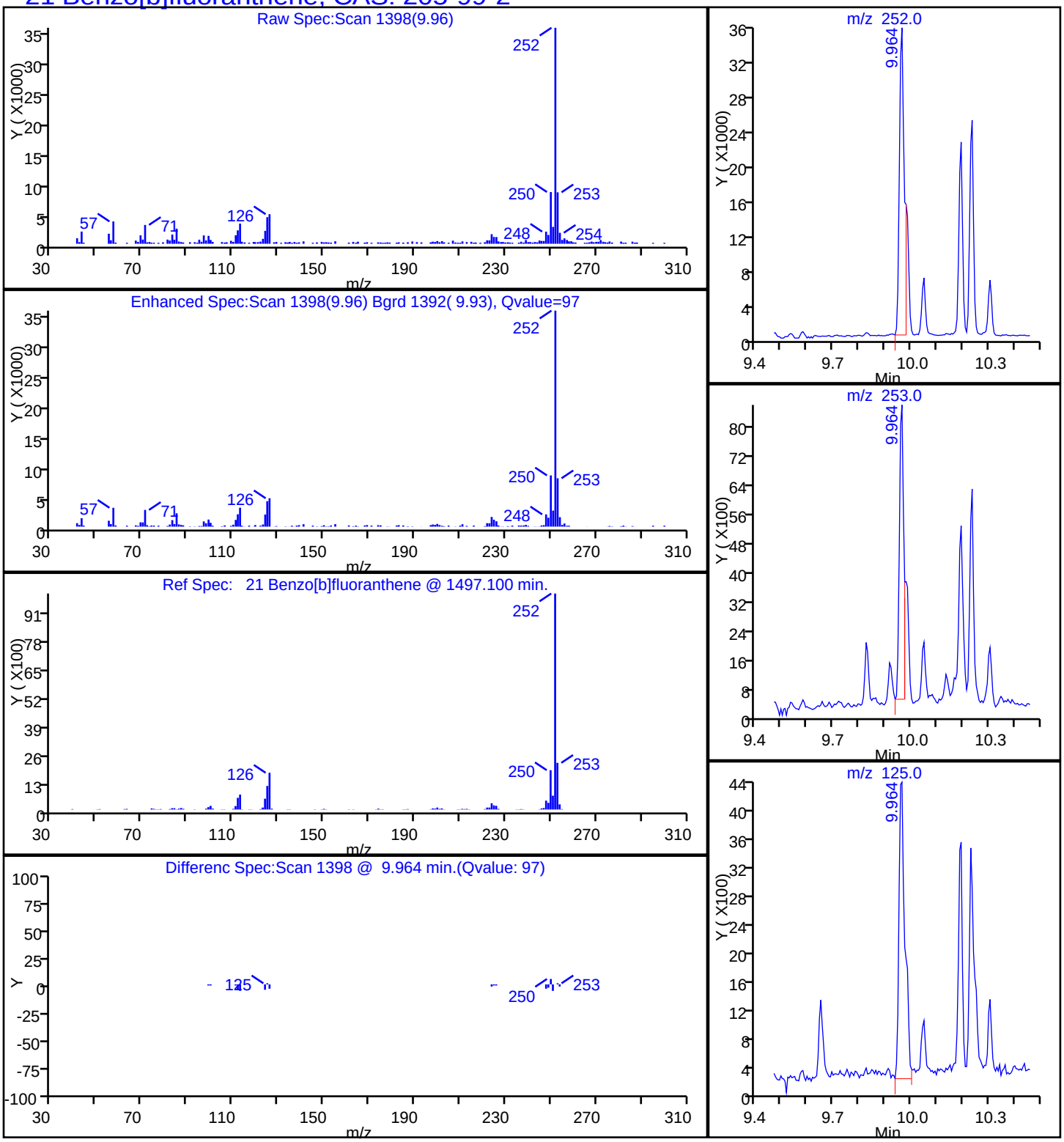


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

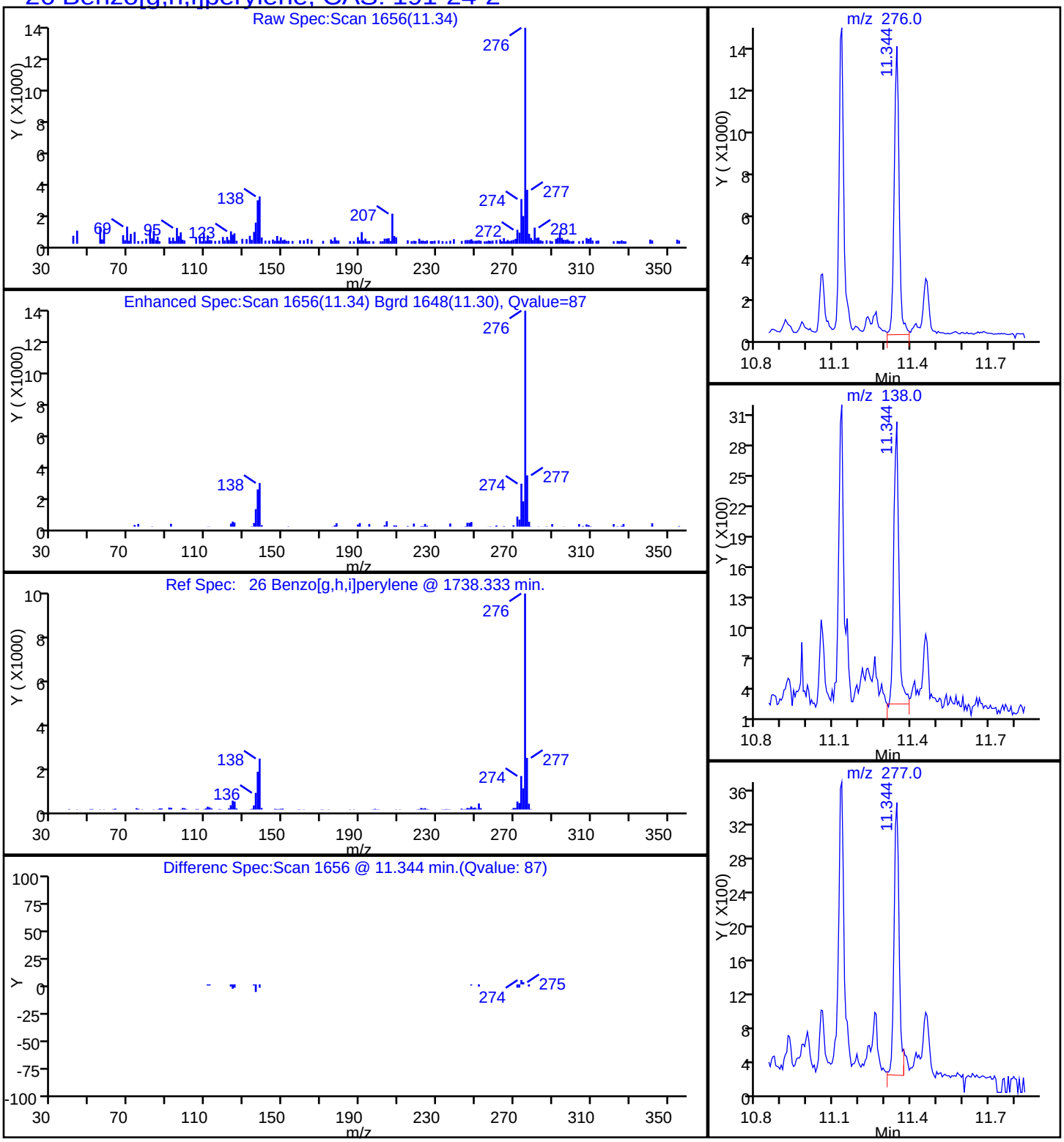


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

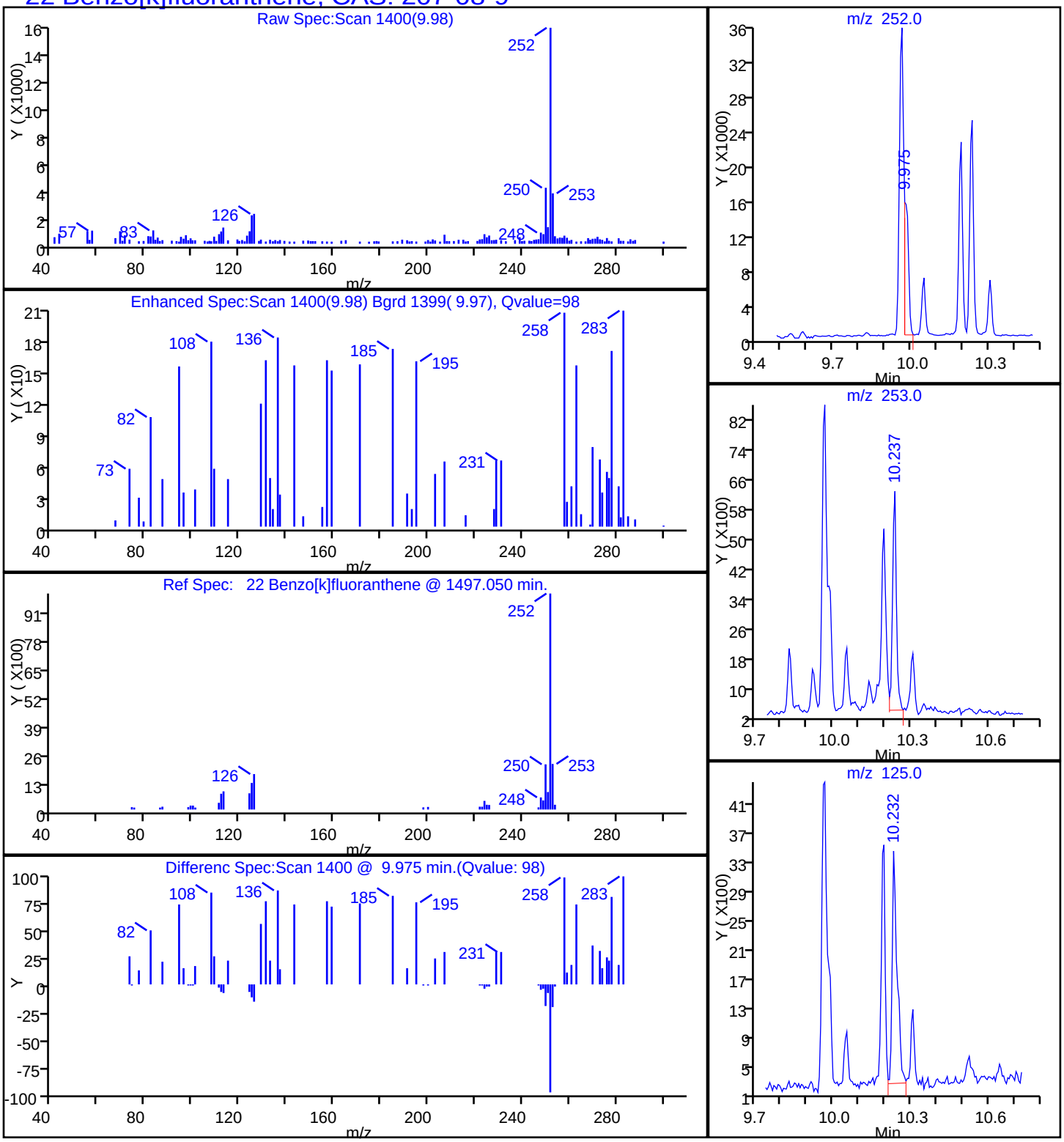


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

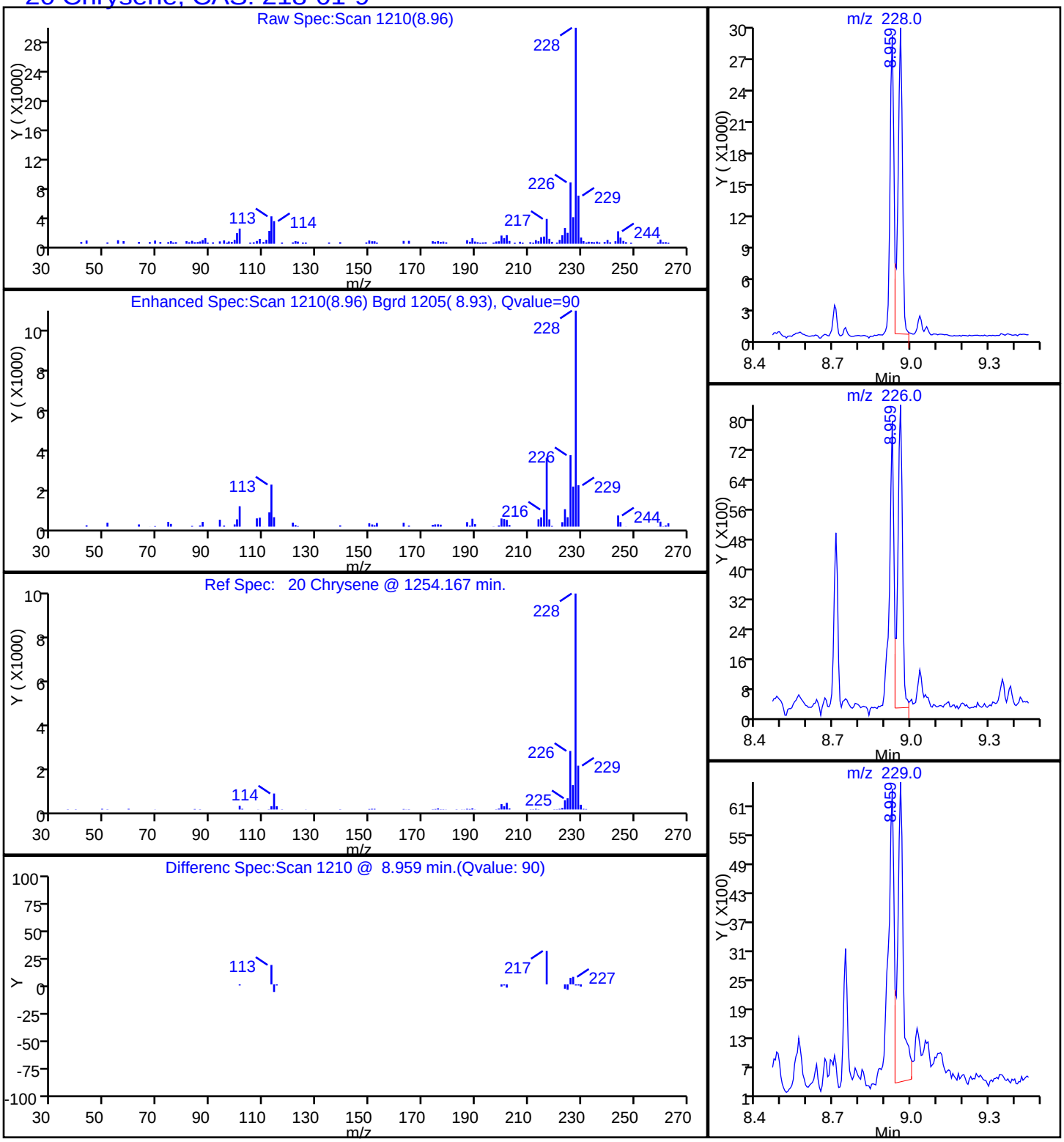


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

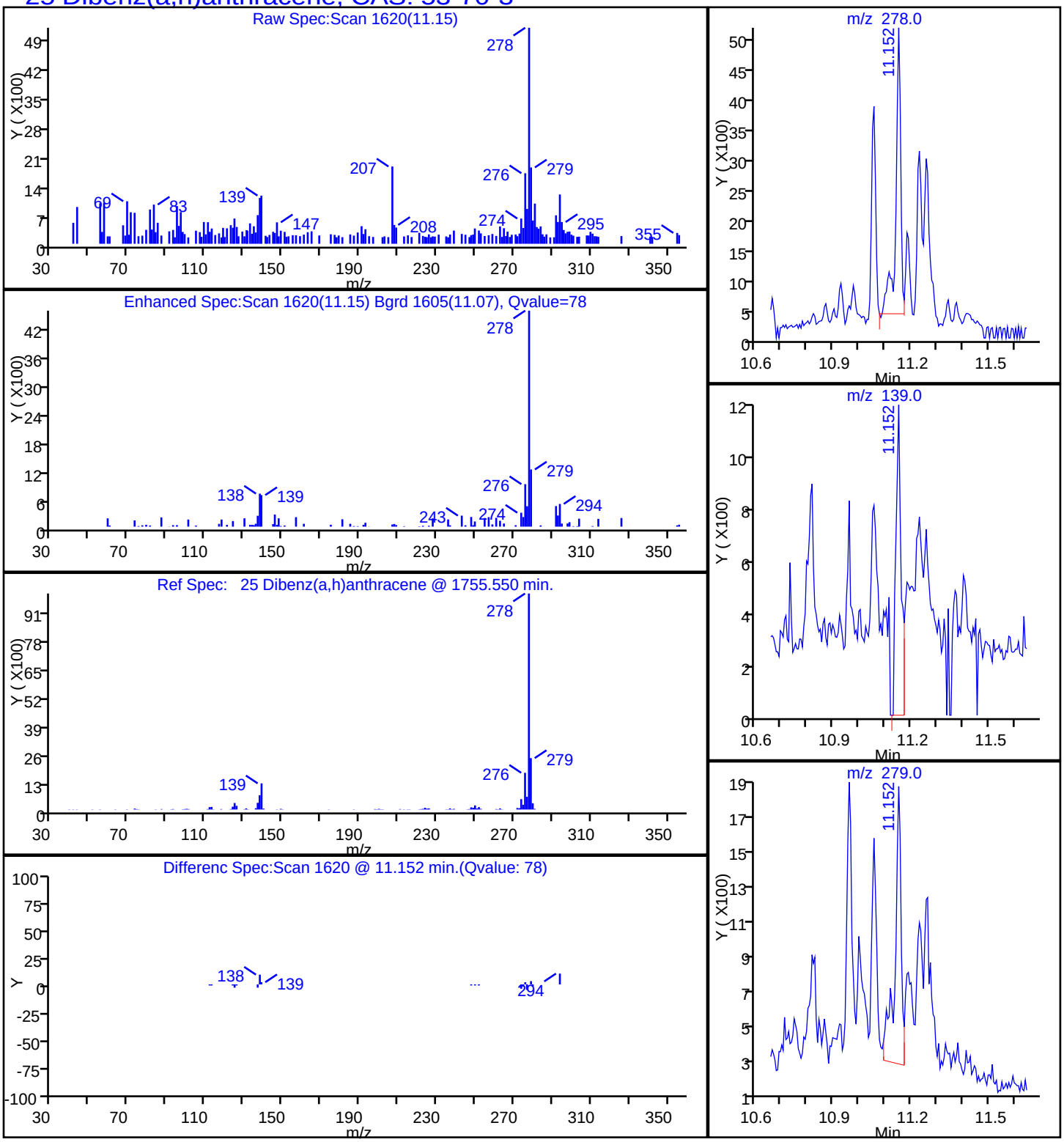


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

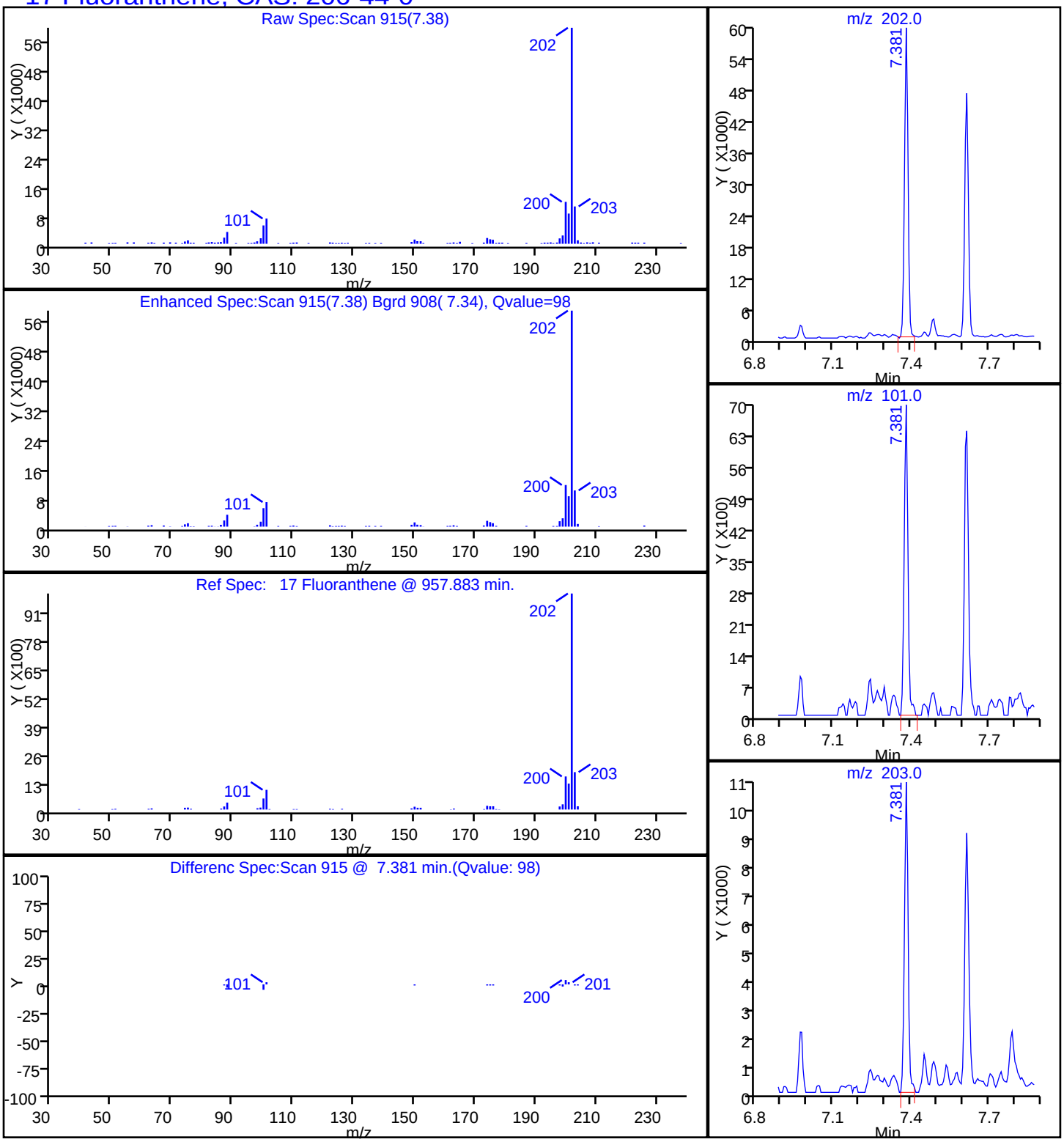


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

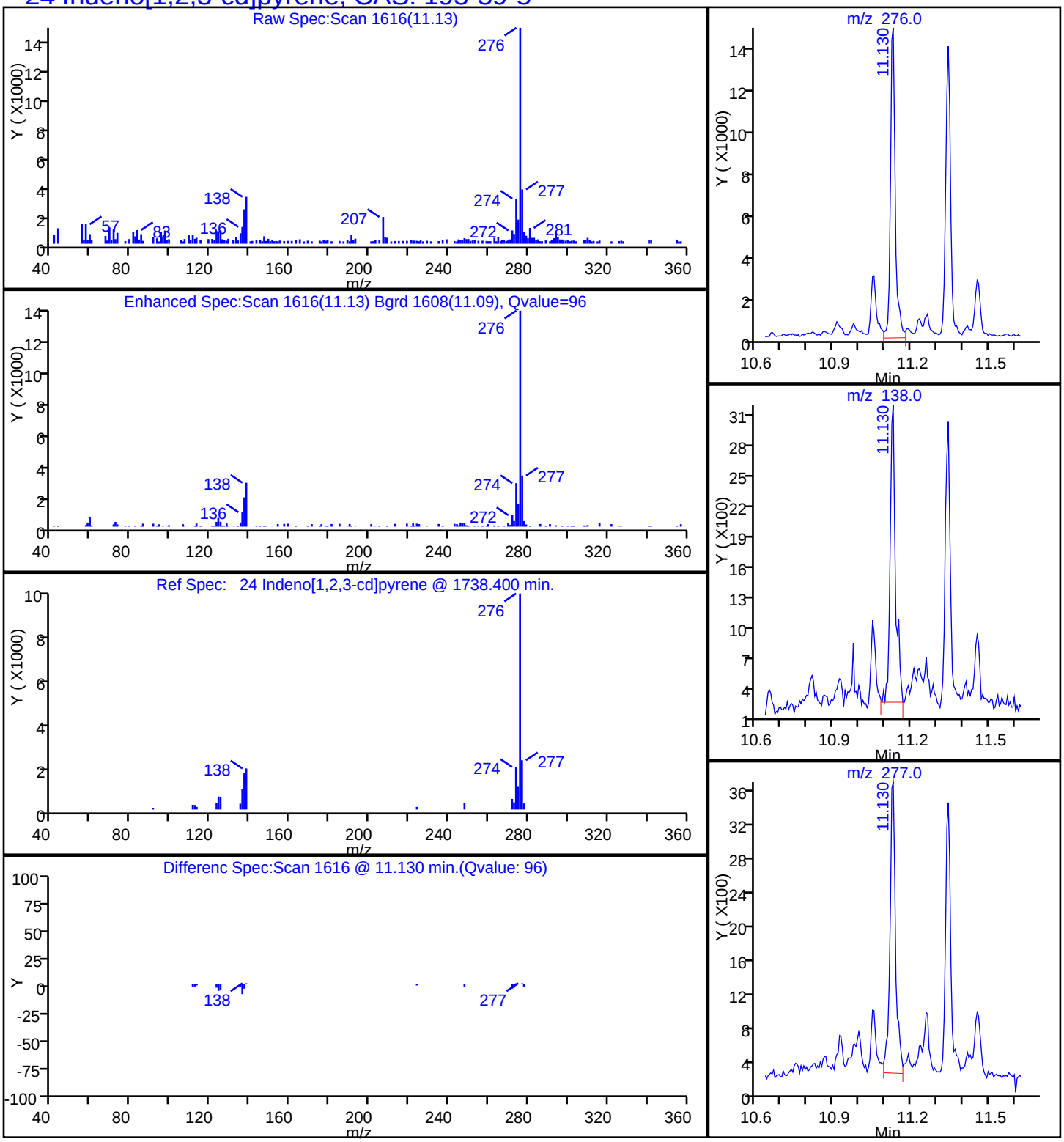


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

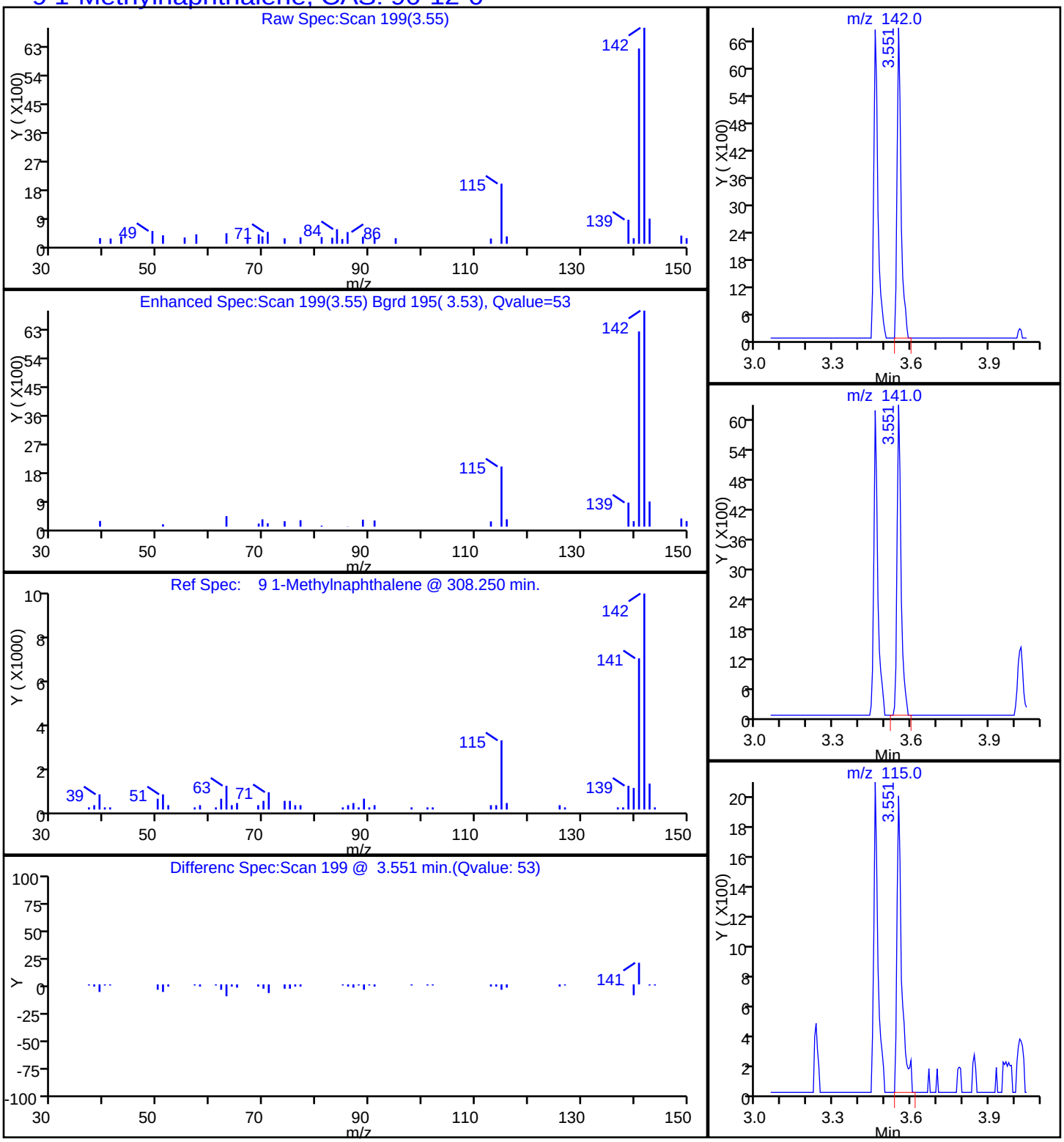


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

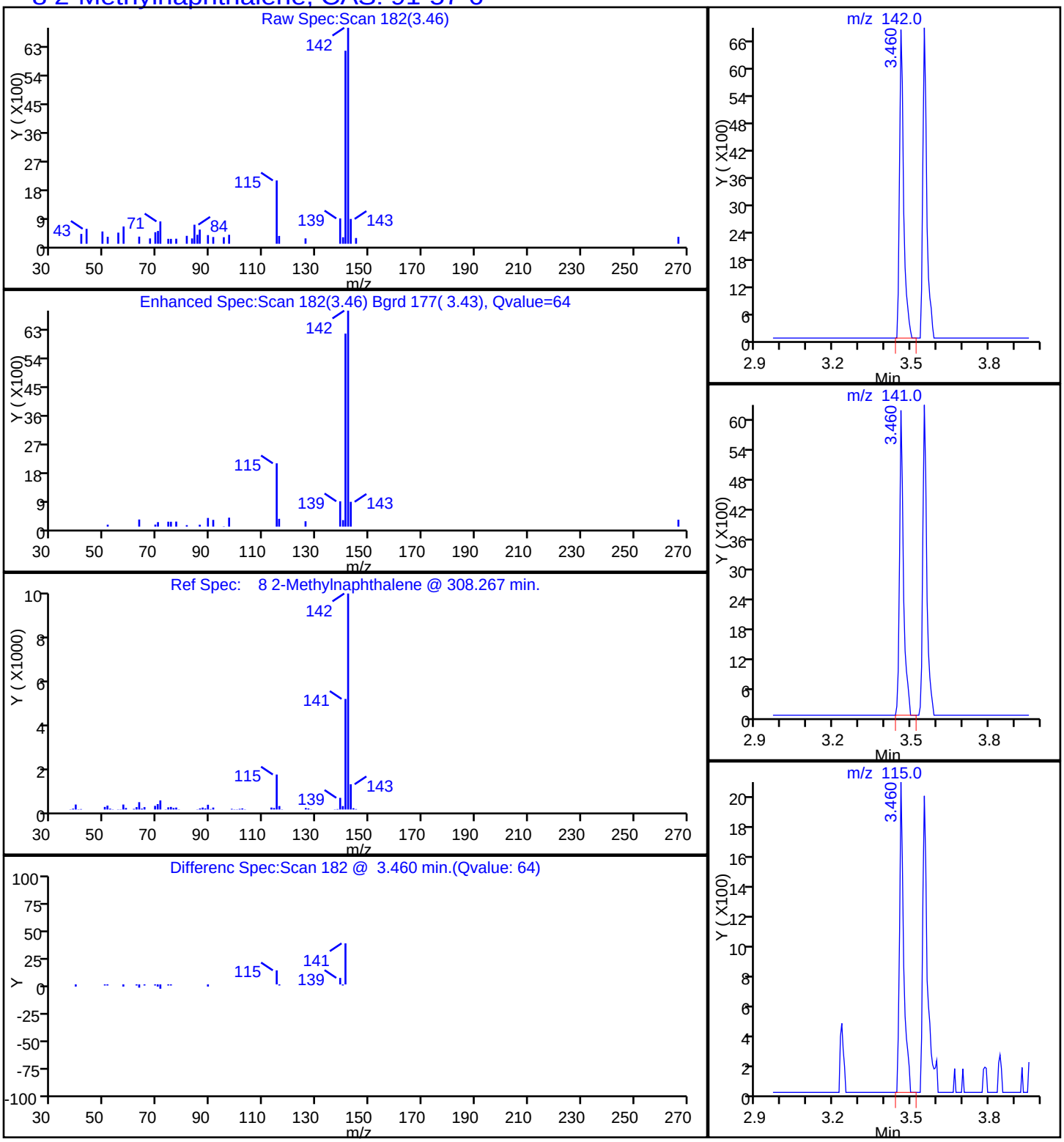


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

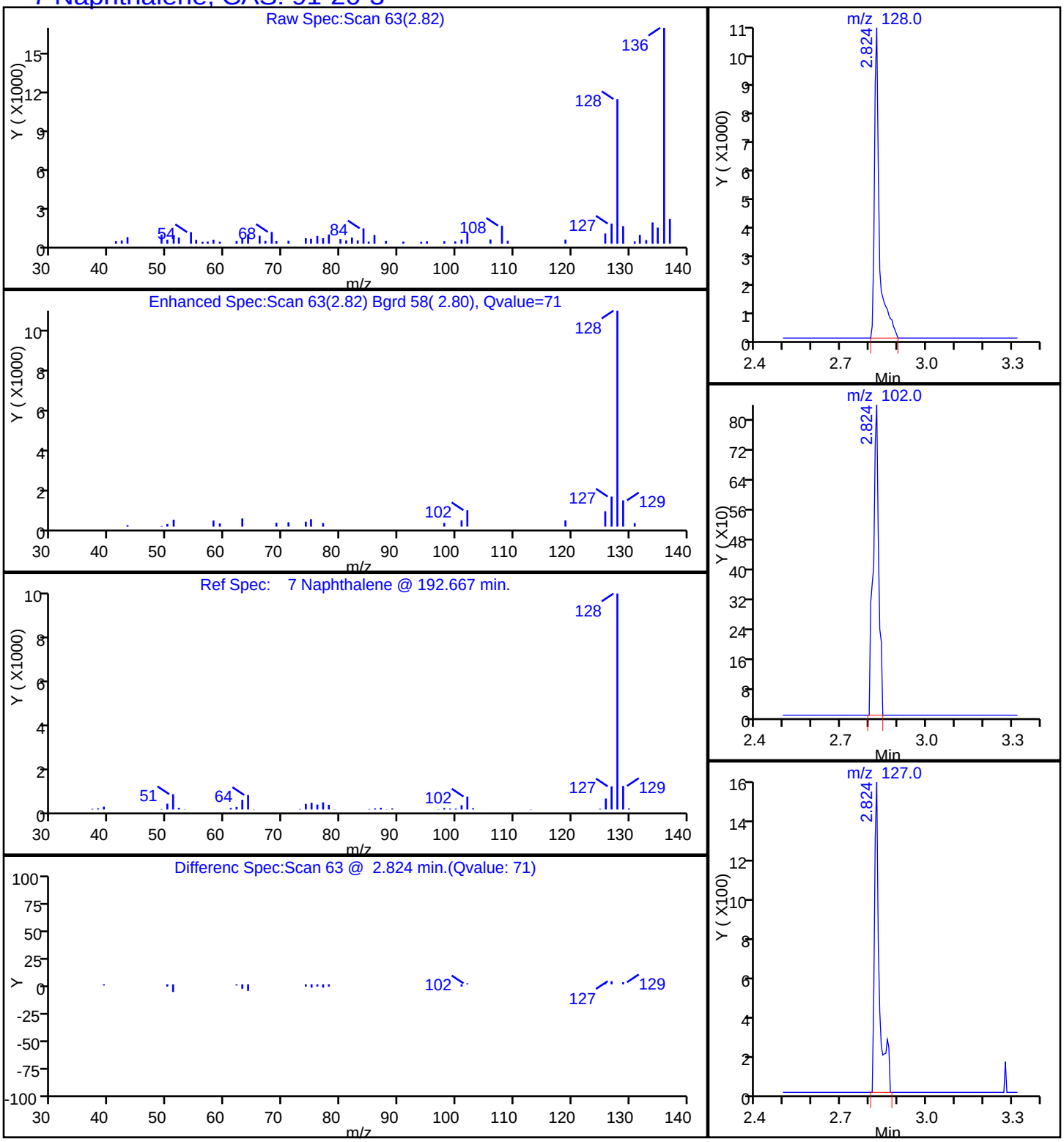


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

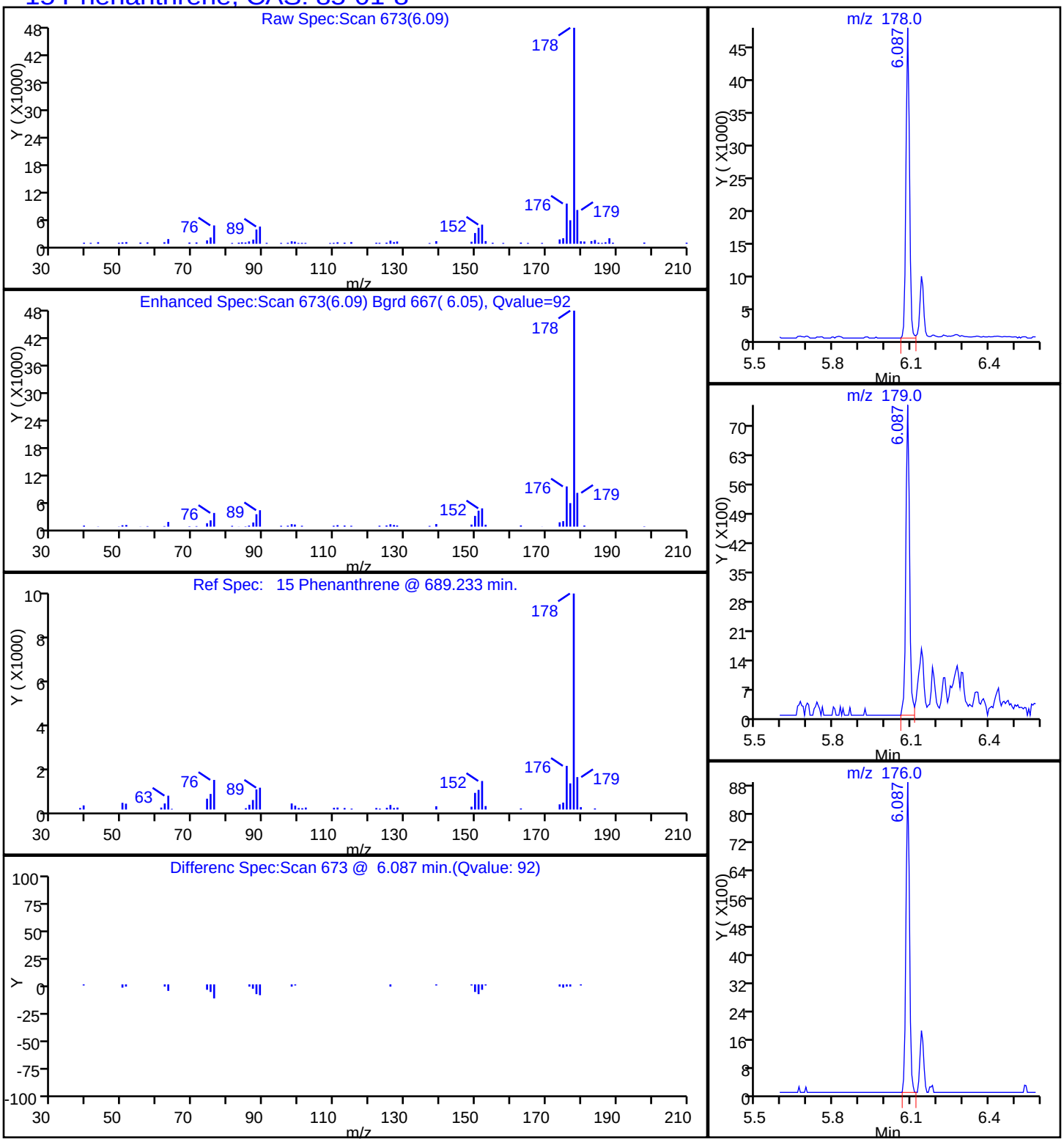


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

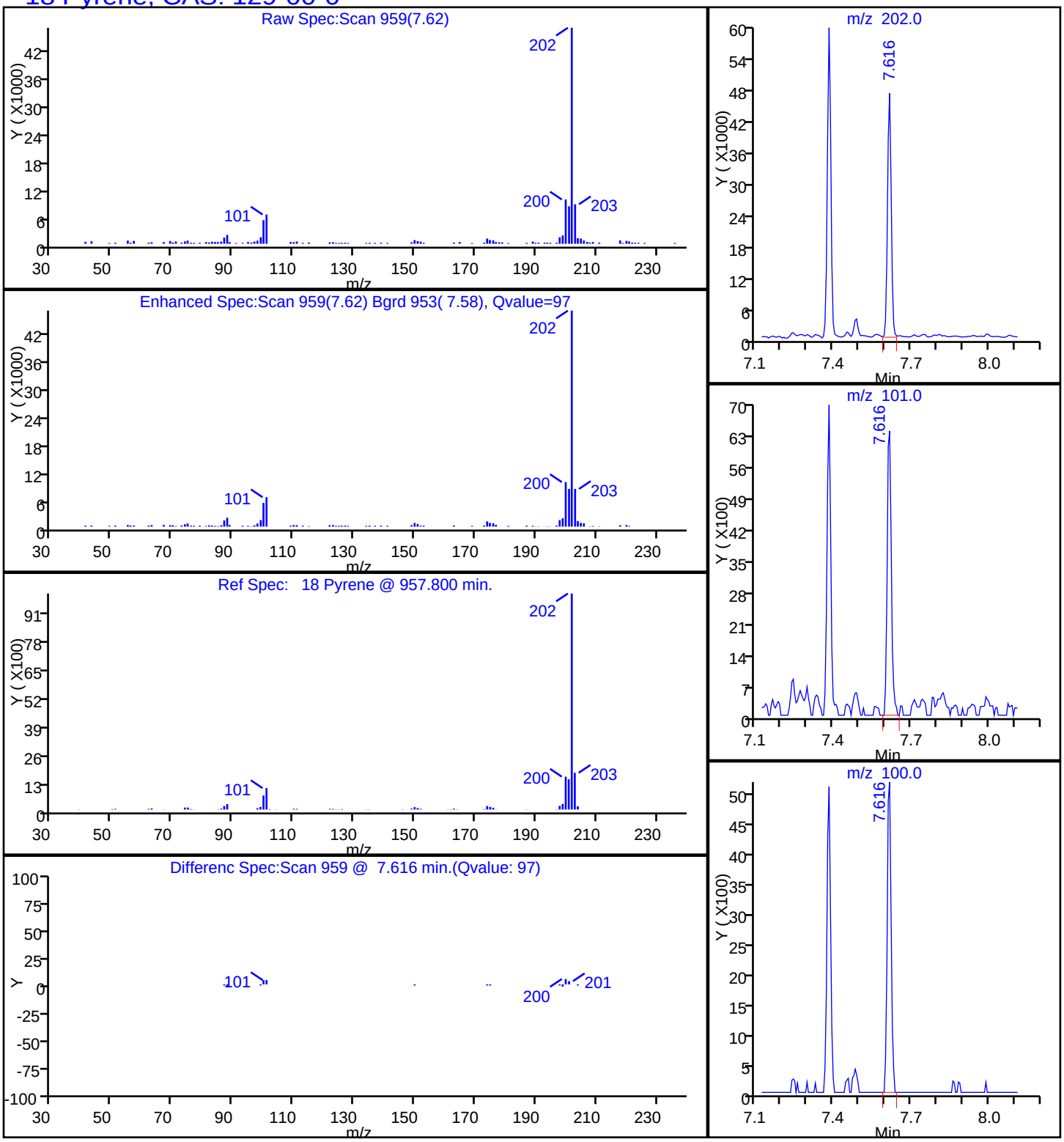


Report Date: 17-Oct-2014 08:59:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

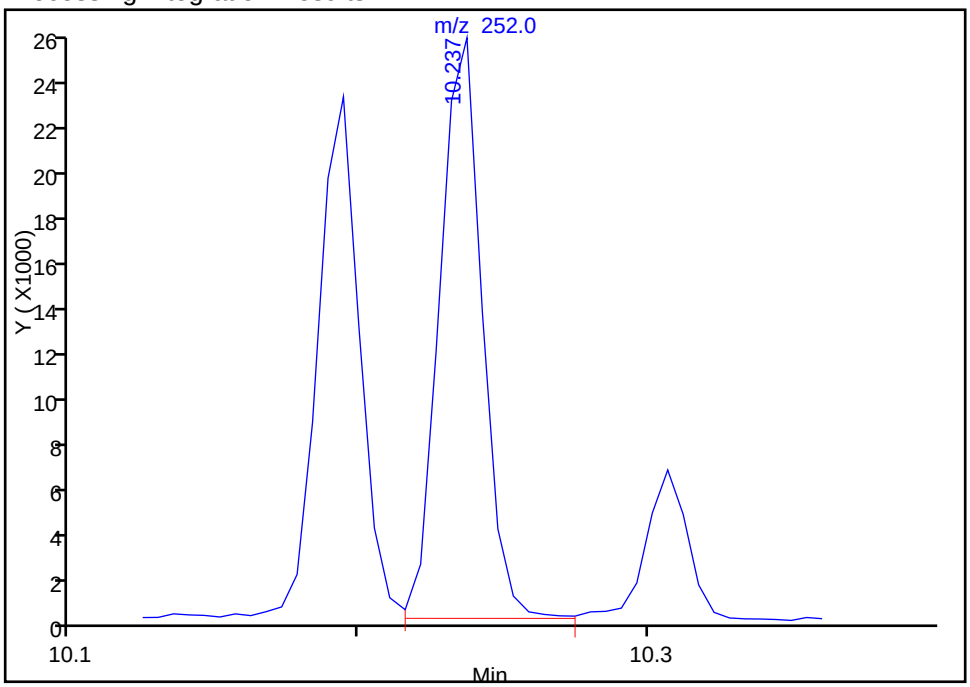
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1622.D				
Injection Date:	16-Oct-2014 19:35:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-33-A	Lab Sample ID:	680-106200-33		
Client ID:	CV0965D-CS12				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	22
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

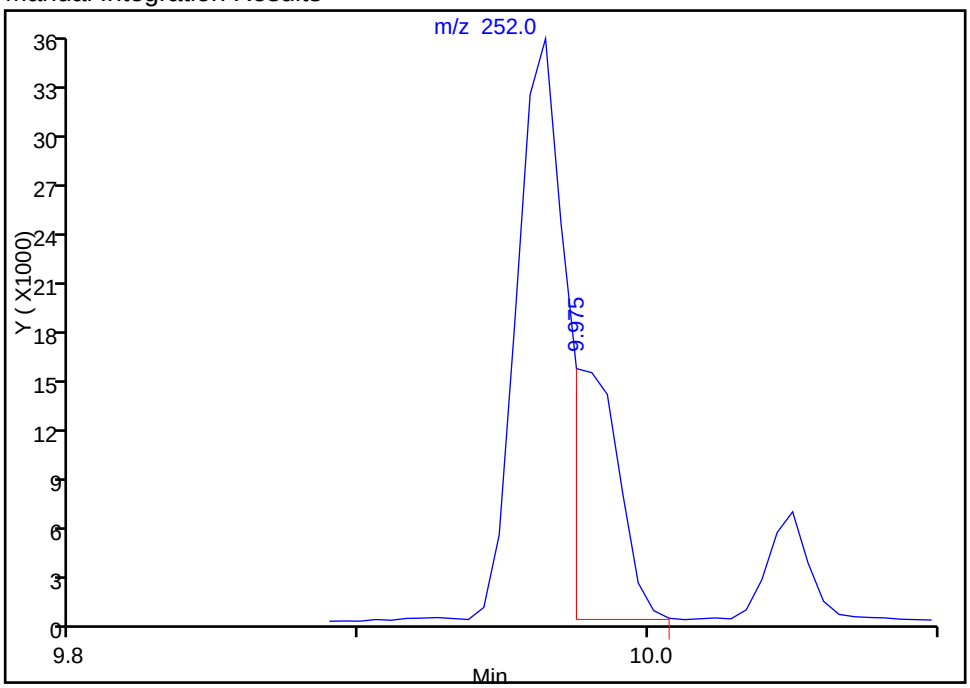
Processing Integration Results

RT: 10.24
Response: 25461
Amount: 0.480520



Manual Integration Results

RT: 9.98
Response: 17494
Amount: 0.329949



Reviewer: webbk, 17-Oct-2014 08:55:41
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0965D-CS18 | Lab Sample ID: 680-106200-34

Matrix: Solid | Lab File ID: 1YJ1623.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 15:55

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.05(g) | Date Analyzed: 10/16/2014 19:57

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

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

% Moisture: 8.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353862 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.3	U	7.3	3.6
208-96-8	Acenaphthylene	7.3	U	7.3	3.6
120-12-7	Anthracene	5.2	J	7.3	3.6
56-55-3	Benzo[a]anthracene	18		7.3	3.6
50-32-8	Benzo[a]pyrene	19		7.3	1.3
205-99-2	Benzo[b]fluoranthene	29		7.3	3.6
191-24-2	Benzo[g,h,i]perylene	17		7.3	3.6
207-08-9	Benzo[k]fluoranthene	12		7.3	2.2
218-01-9	Chrysene	24		7.3	3.6
53-70-3	Dibenz(a,h)anthracene	5.1	J	7.3	3.6
206-44-0	Fluoranthene	30		7.3	3.6
86-73-7	Fluorene	7.3	U	7.3	3.6
193-39-5	Indeno[1,2,3-cd]pyrene	12		7.3	3.6
90-12-0	1-Methylnaphthalene	5.9	J	7.3	3.4
91-57-6	2-Methylnaphthalene	5.9	J	7.3	3.6
91-20-3	Naphthalene	4.3	J	7.3	3.6
85-01-8	Phenanthrene	26		7.3	2.6
129-00-0	Pyrene	31		7.3	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	111		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Sample Type:	Client				
Inject. Date:	16-Oct-2014 19:57:30	ALS Bottle#:	22	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	106200-A-34-A				
Misc. Info.:	680-0013814-023				
Operator ID:	RM	Instrument ID:	CMSY		
Method:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\8270D_LLPAH_MSY.m				
Limit Group:	8270D_LL_PAH				
Last Update:	17-Oct-2014 08:59:05	Calib Date:	07-Oct-2014 15:41:30		
Integrator:	RTE	ID Type:	RT Order 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:	XAWRK009				

First Level Reviewer: webbk Date: 17-Oct-2014 08:56:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.797	2.803	-0.006	98	144500	2.00	
* 2 Acenaphthene-d10	164	4.493	4.487	0.006	81	82604	2.00	
* 3 Phenanthrene-d10	188	6.065	6.054	0.011	97	129447	2.00	
* 4 Chrysene-d12	240	8.937	8.927	0.010	99	104220	2.00	
* 5 Perylene-d12	264	10.285	10.269	0.016	98	88468	2.00	
$ 6 o-Terphenyl	230	6.547	6.541	0.006	90	74372	2.22	
7 Naphthalene	128	2.819	2.819	0.000	94	9363	0.1188	
8 2-Methylnaphthalene	142	3.460	3.455	0.005	74	8524	0.1631	
9 1-Methylnaphthalene	142	3.546	3.546	0.000	74	7789	0.1607	
15 Phenanthrene	178	6.087	6.081	0.006	96	54226	0.7000	
16 Anthracene	178	6.140	6.135	0.005	85	10996	0.1427	
17 Fluoranthene	202	7.381	7.376	0.005	98	67232	0.8188	
18 Pyrene	202	7.616	7.606	0.010	96	57317	0.8404	
19 Benzo[a]anthracene	228	8.927	8.916	0.011	77	30199	0.4955	
20 Chrysene	228	8.959	8.953	0.006	89	38522	0.6639	
21 Benzo[b]fluoranthene	252	9.964	9.948	0.016	97	46377	0.7970	
22 Benzo[k]fluoranthene	252	9.975	9.975	0.000	98	18265	0.3233	M
23 Benzo[a]pyrene	252	10.237	10.221	0.016	94	25447	0.5317	
24 Indeno[1,2,3-cd]pyrene	276	11.130	11.109	0.021	96	19436	0.3397	
25 Dibenz(a,h)anthracene	278	11.152	11.136	0.016	32	5883	0.1407	
26 Benzo[g,h,i]perylene	276	11.350	11.323	0.027	91	20644	0.4732	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

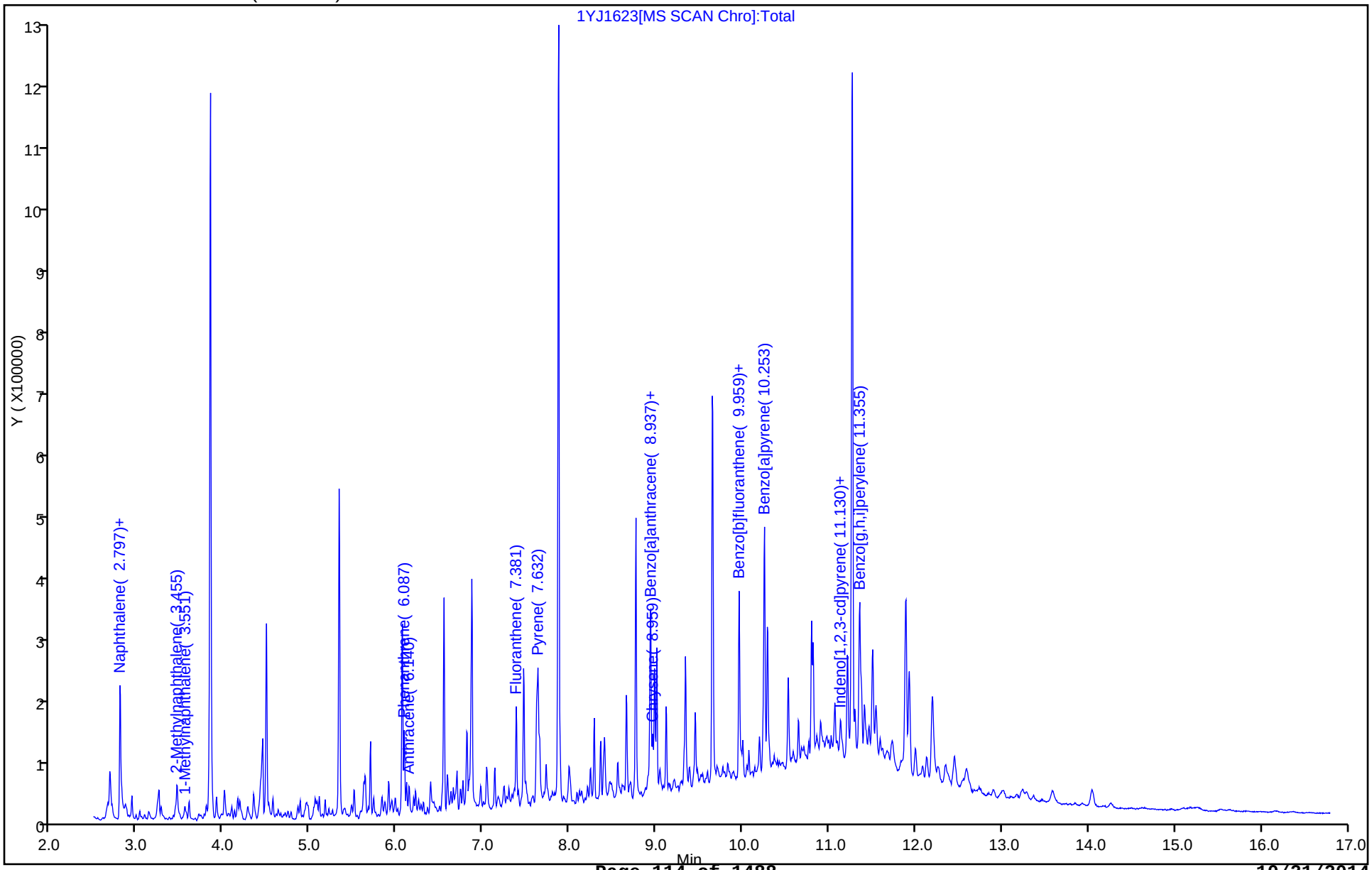
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34	Worklist Smp#:	23
Client ID:	CV0965D-CS18				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

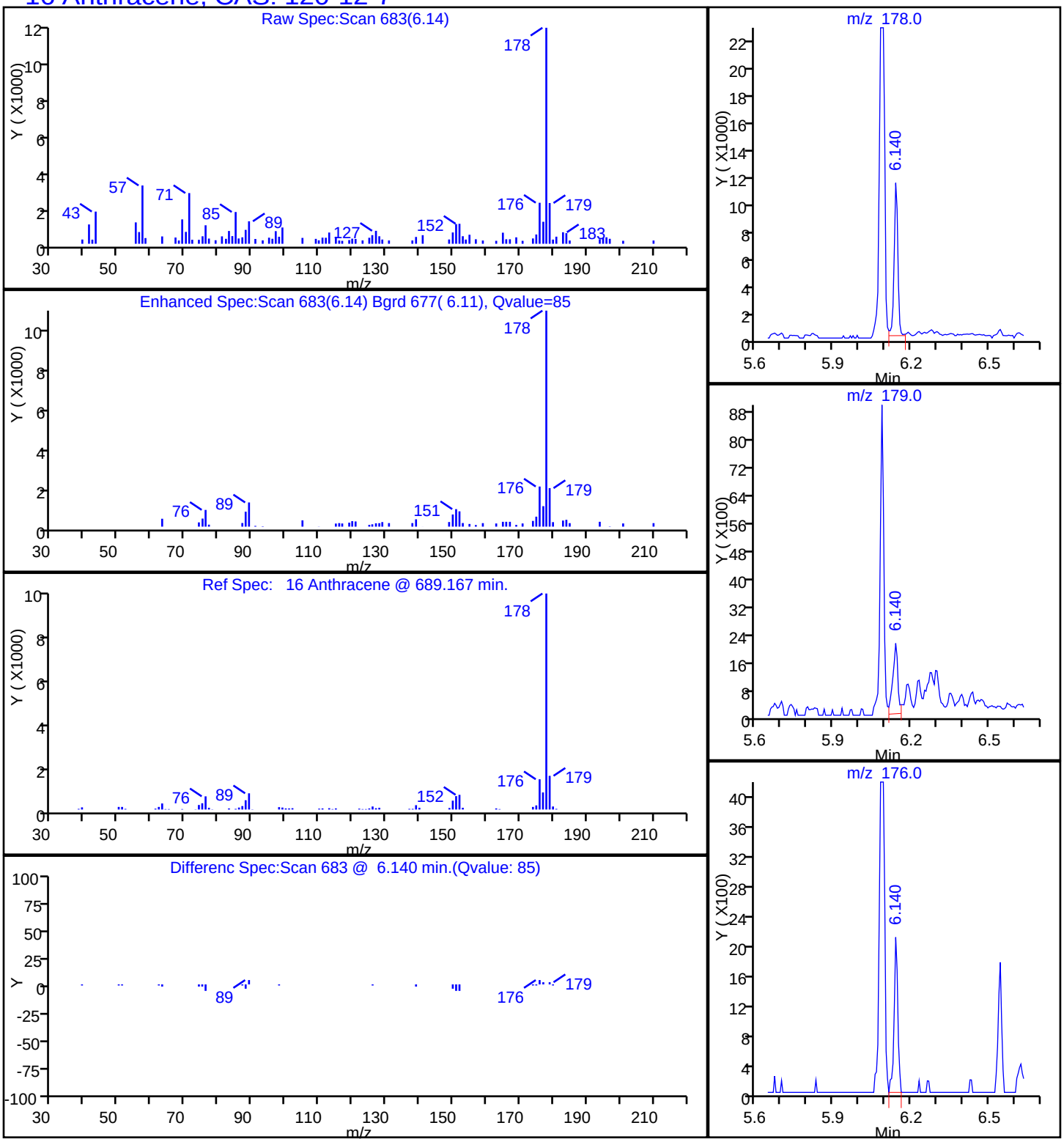


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

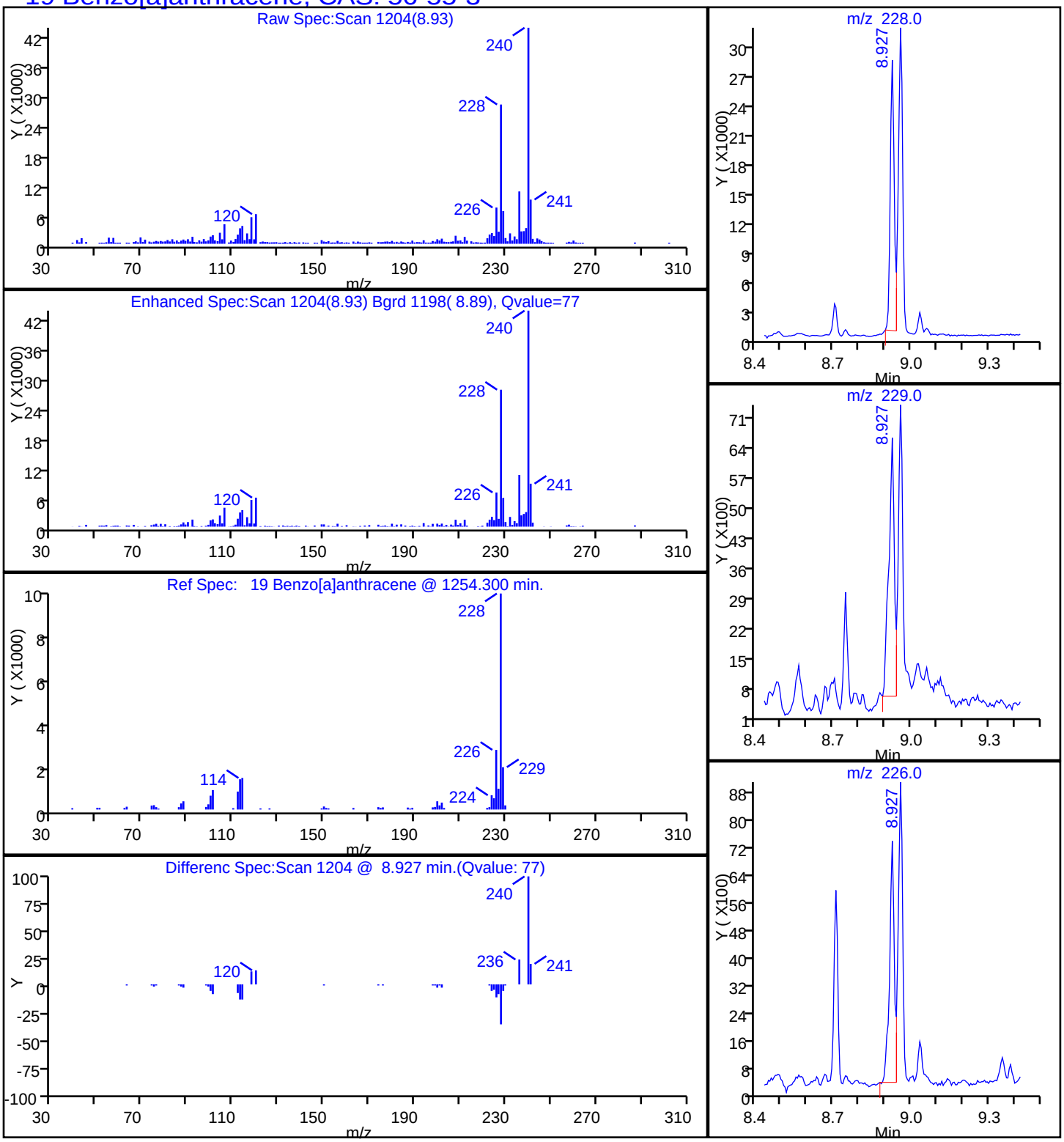


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

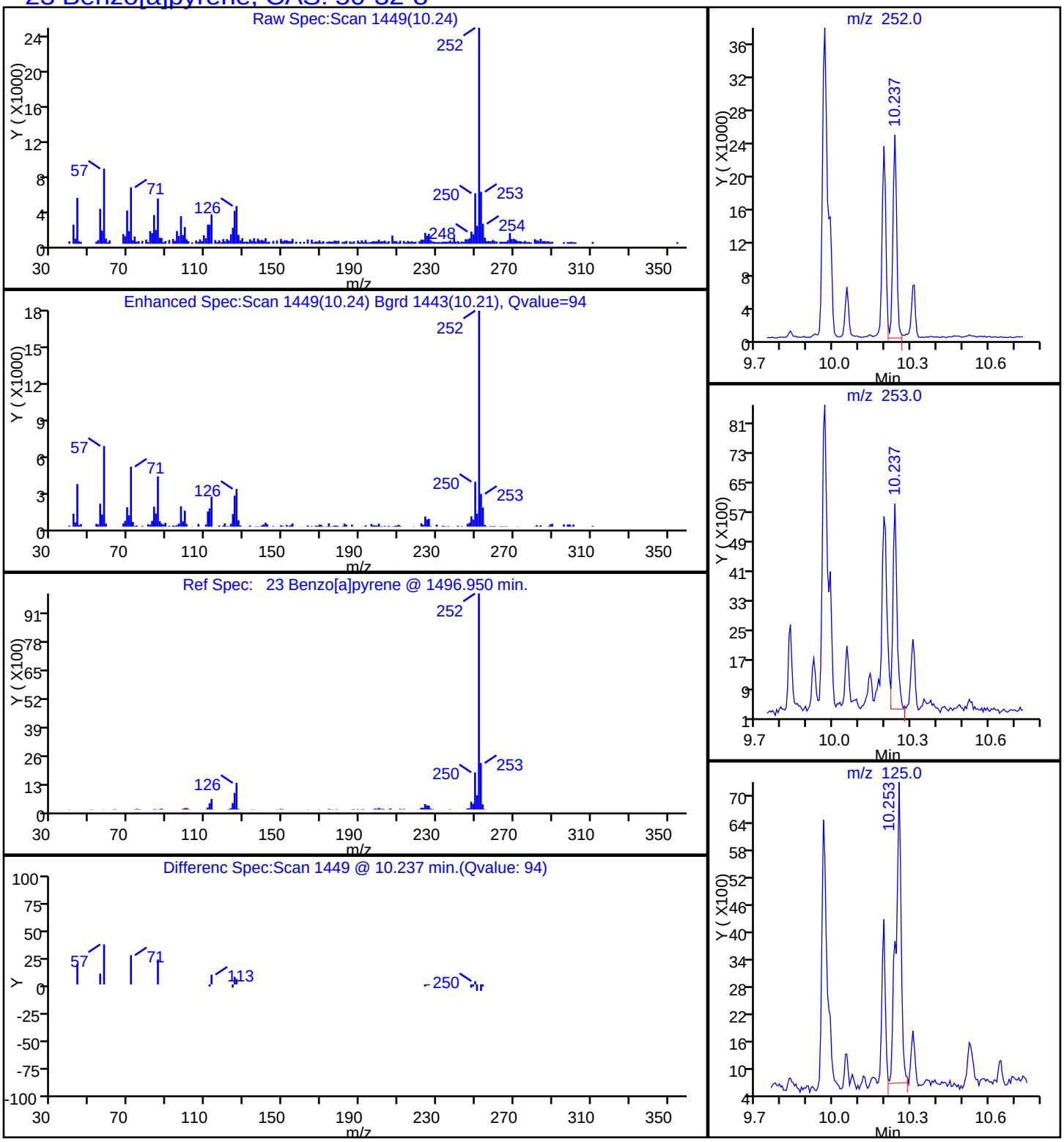


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

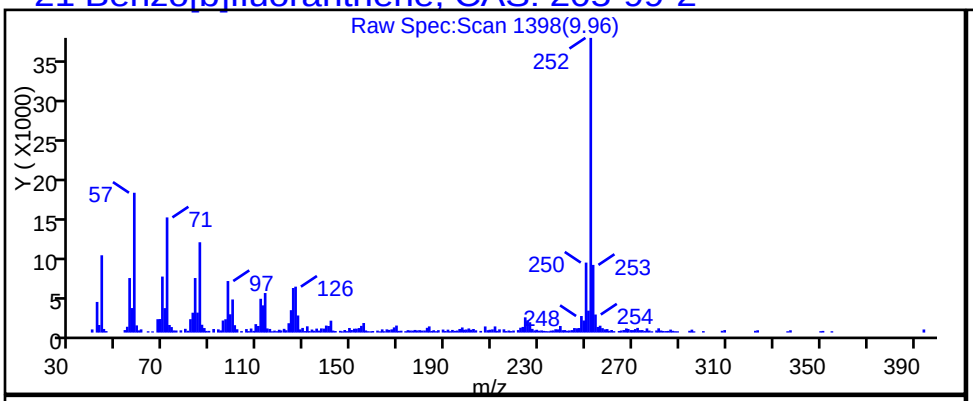


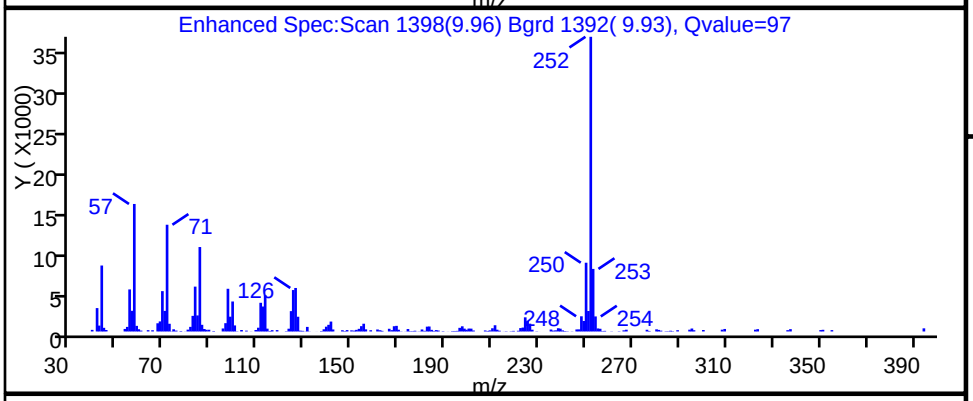
Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

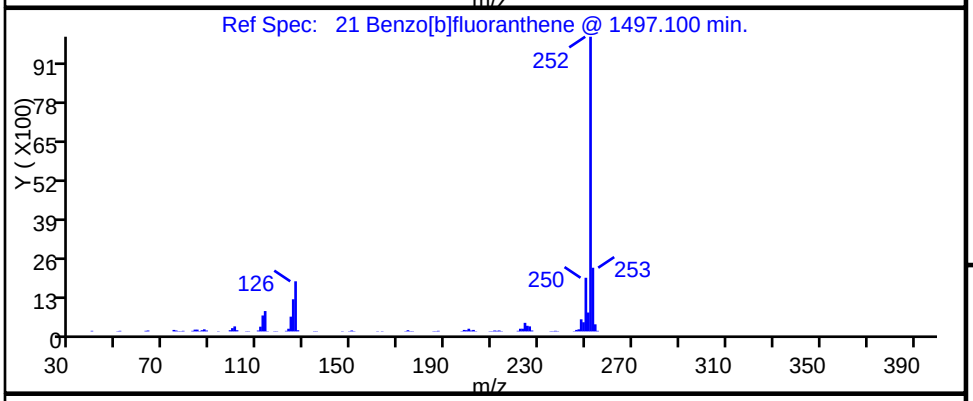
TestAmerica Savannah

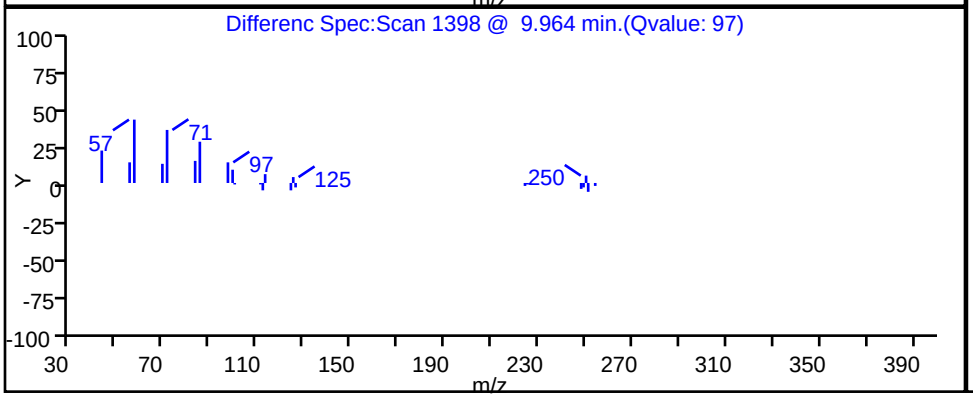
Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

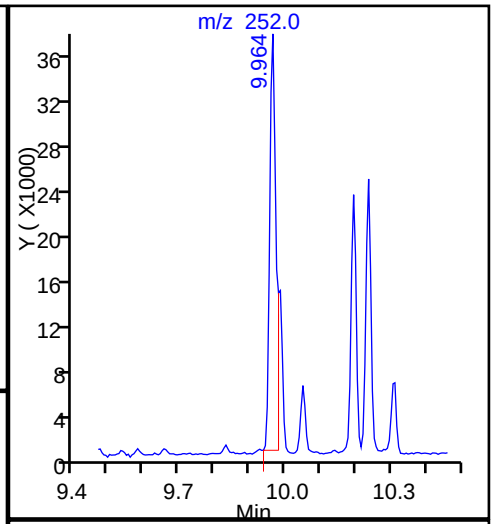
21 Benzo[b]fluoranthene, CAS: 205-99-2

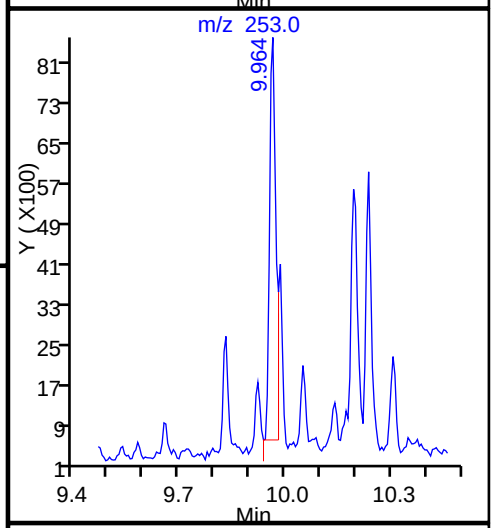


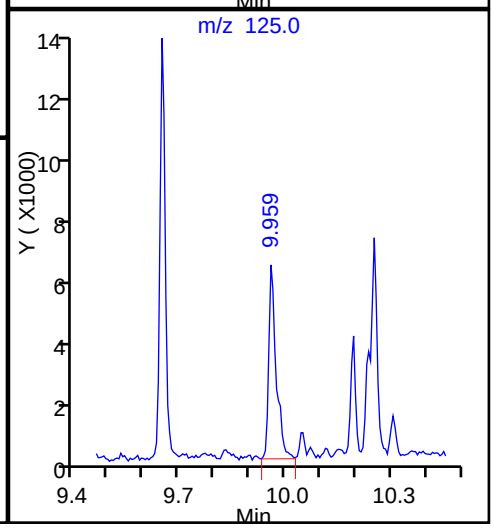










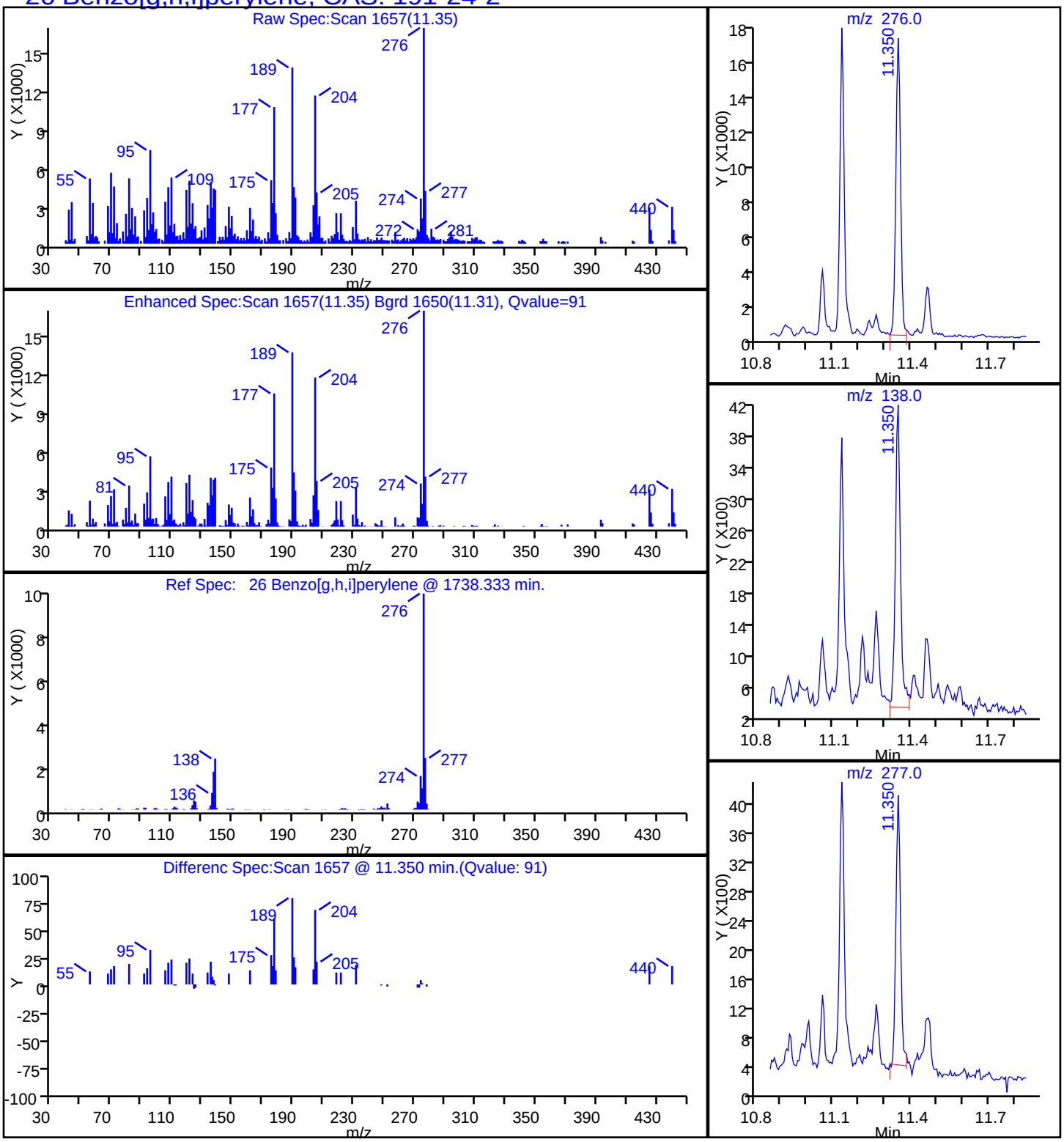


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

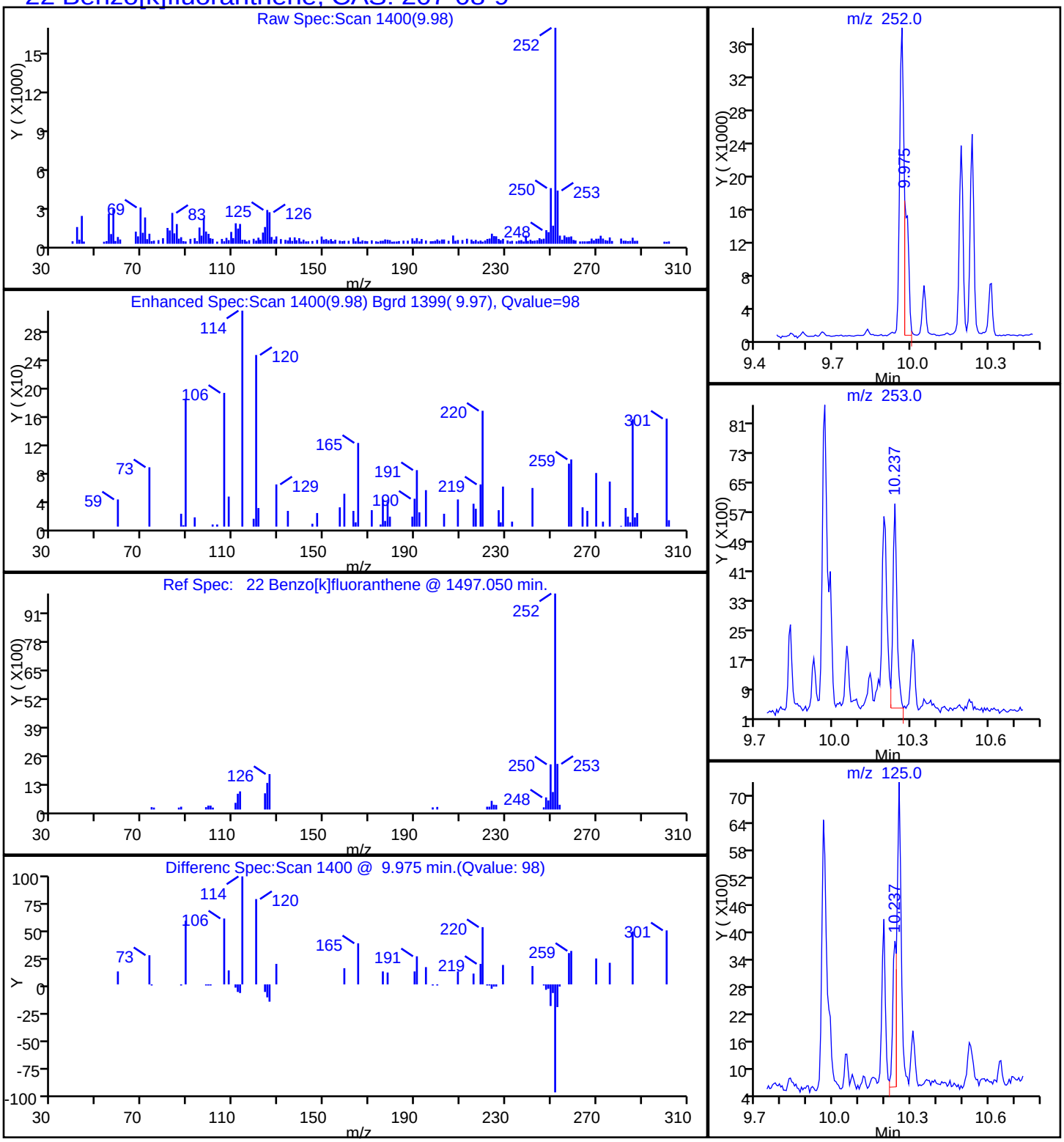


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

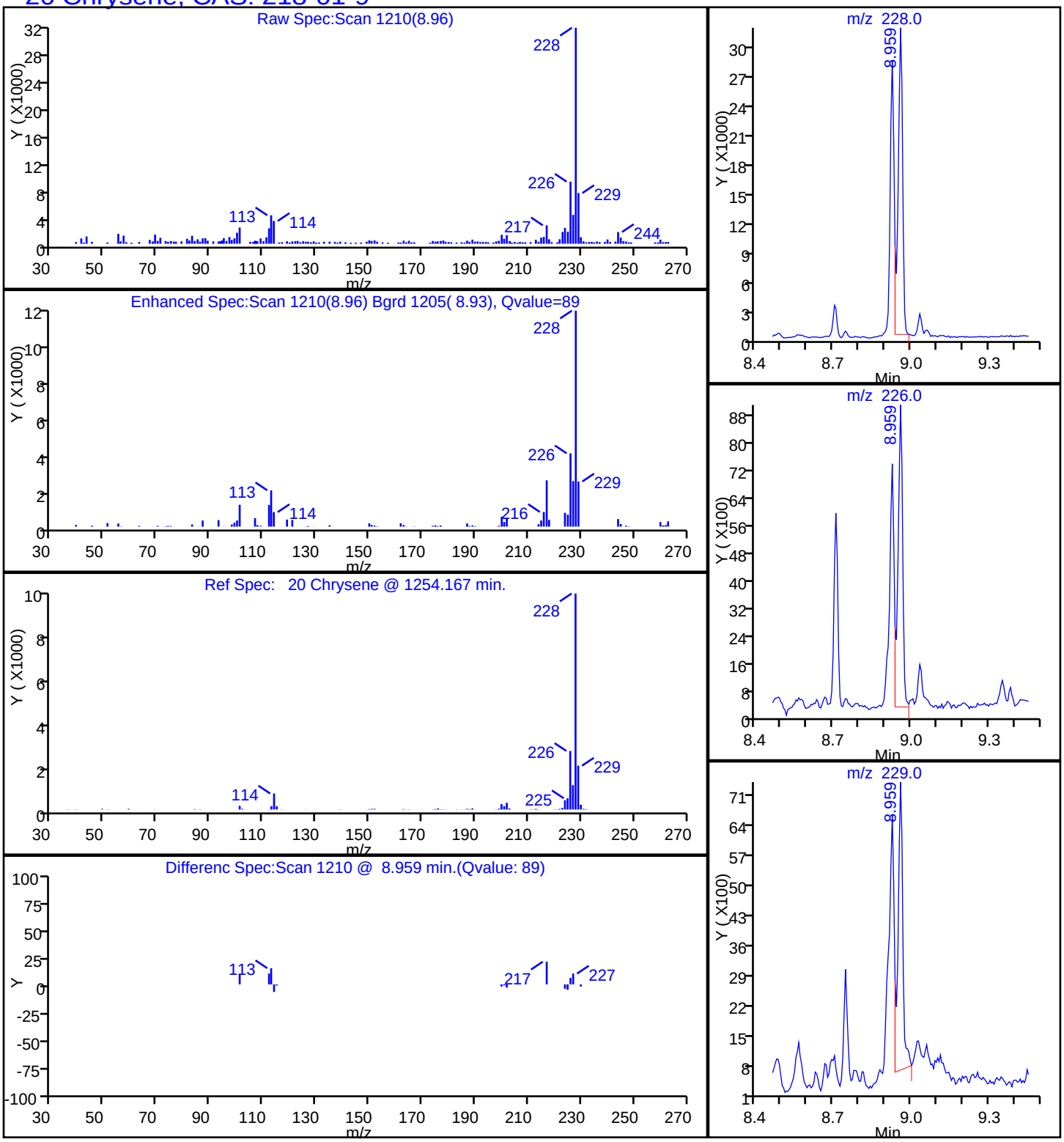


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

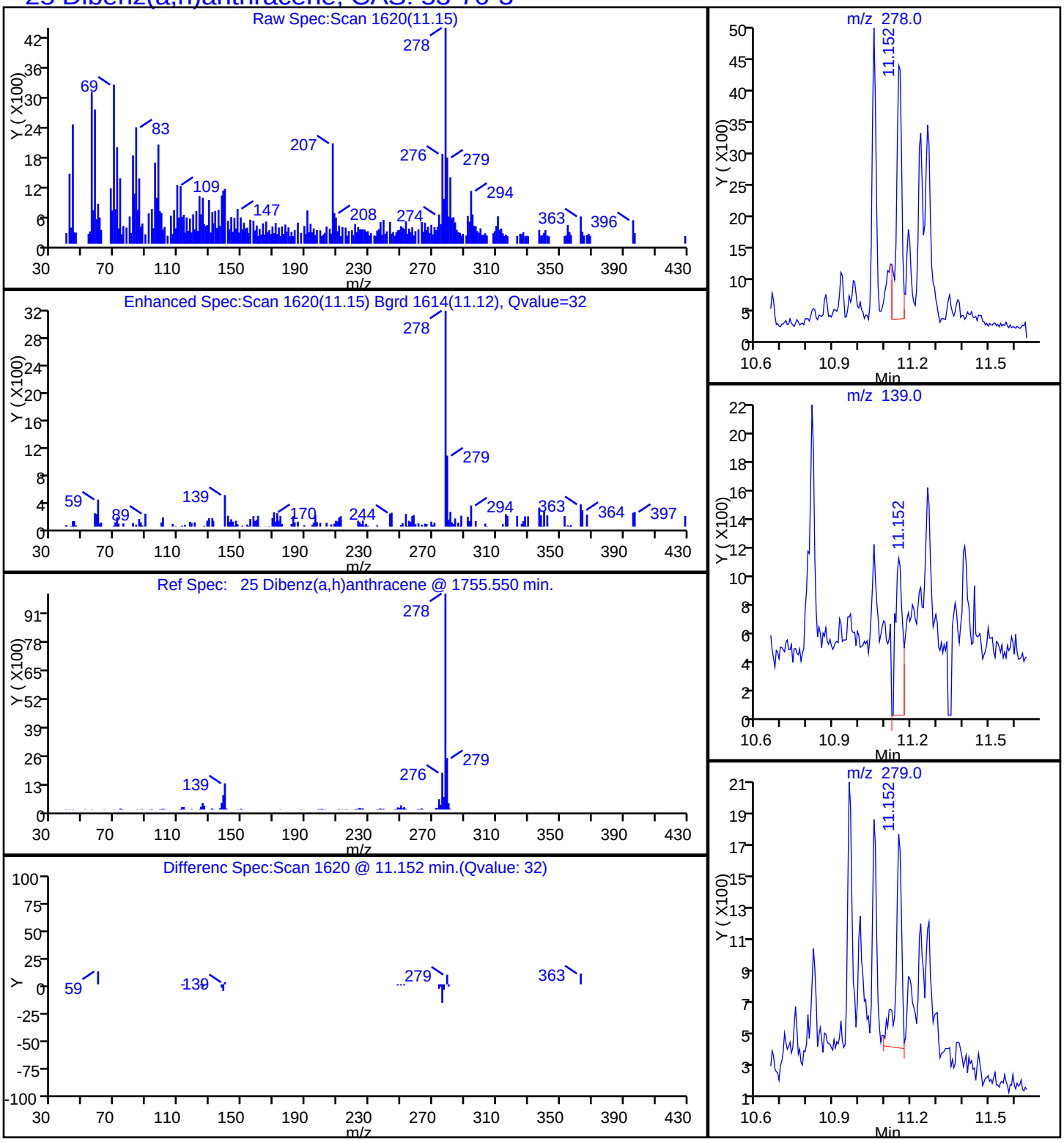


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

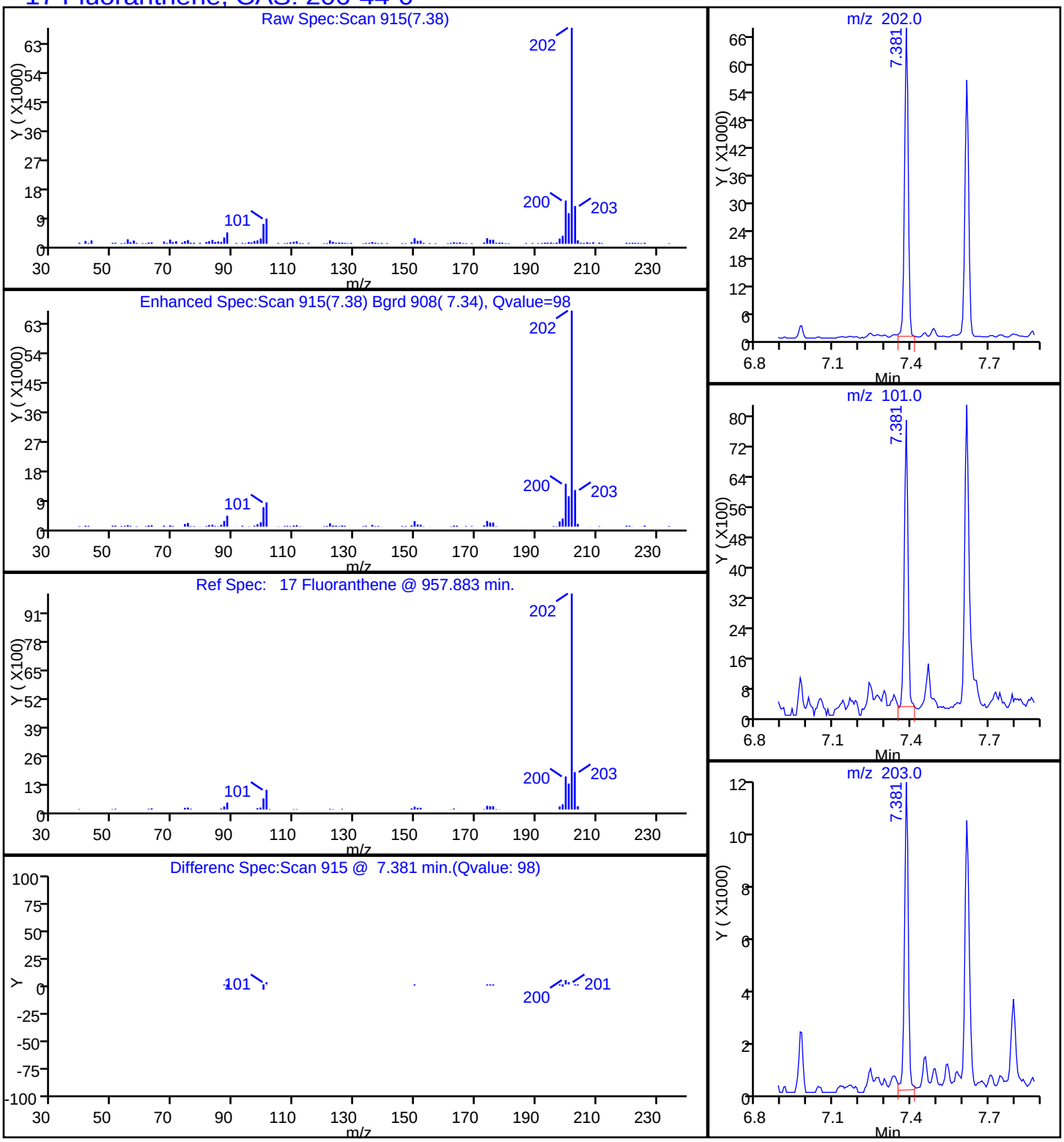


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

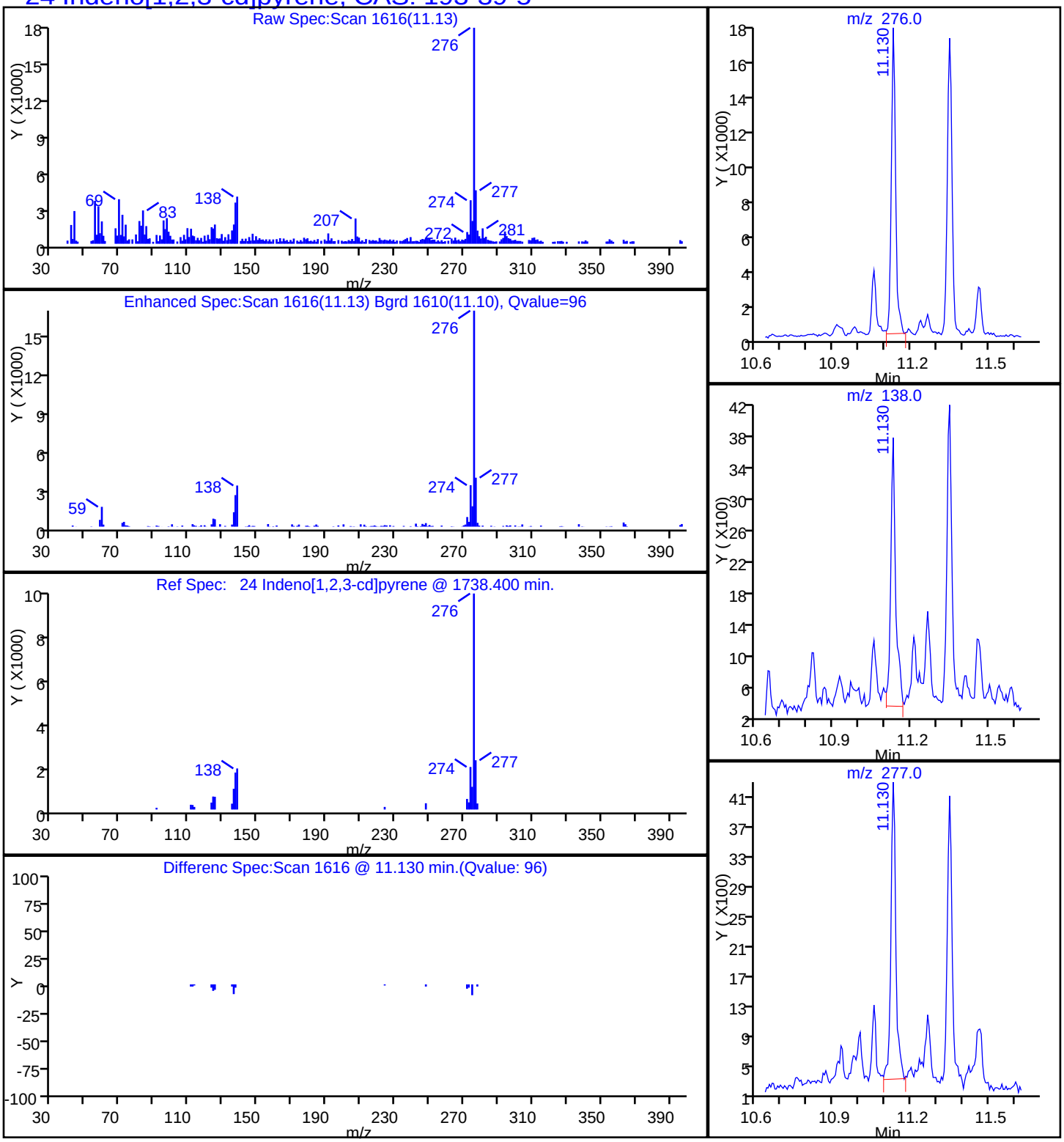


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

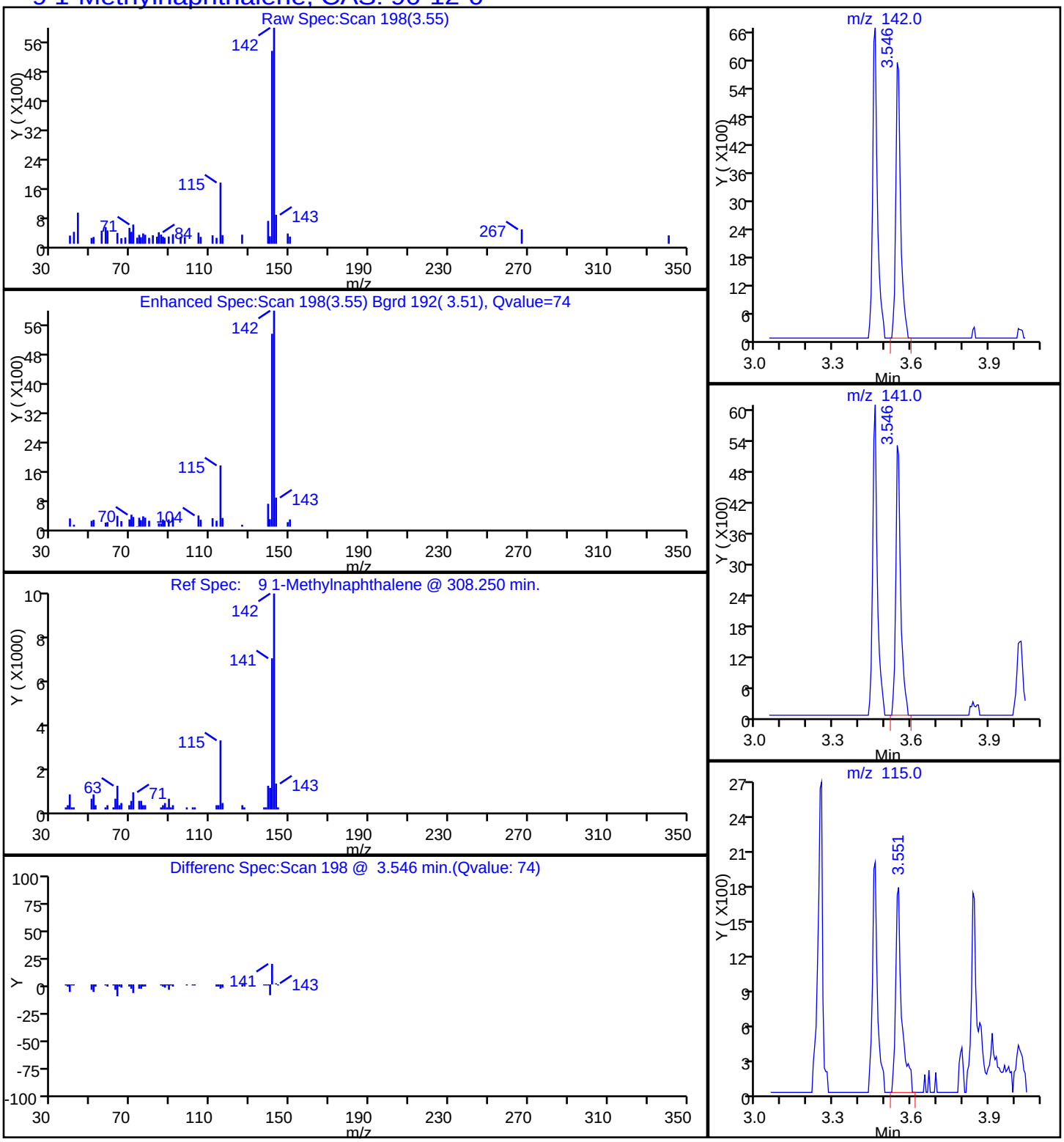


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

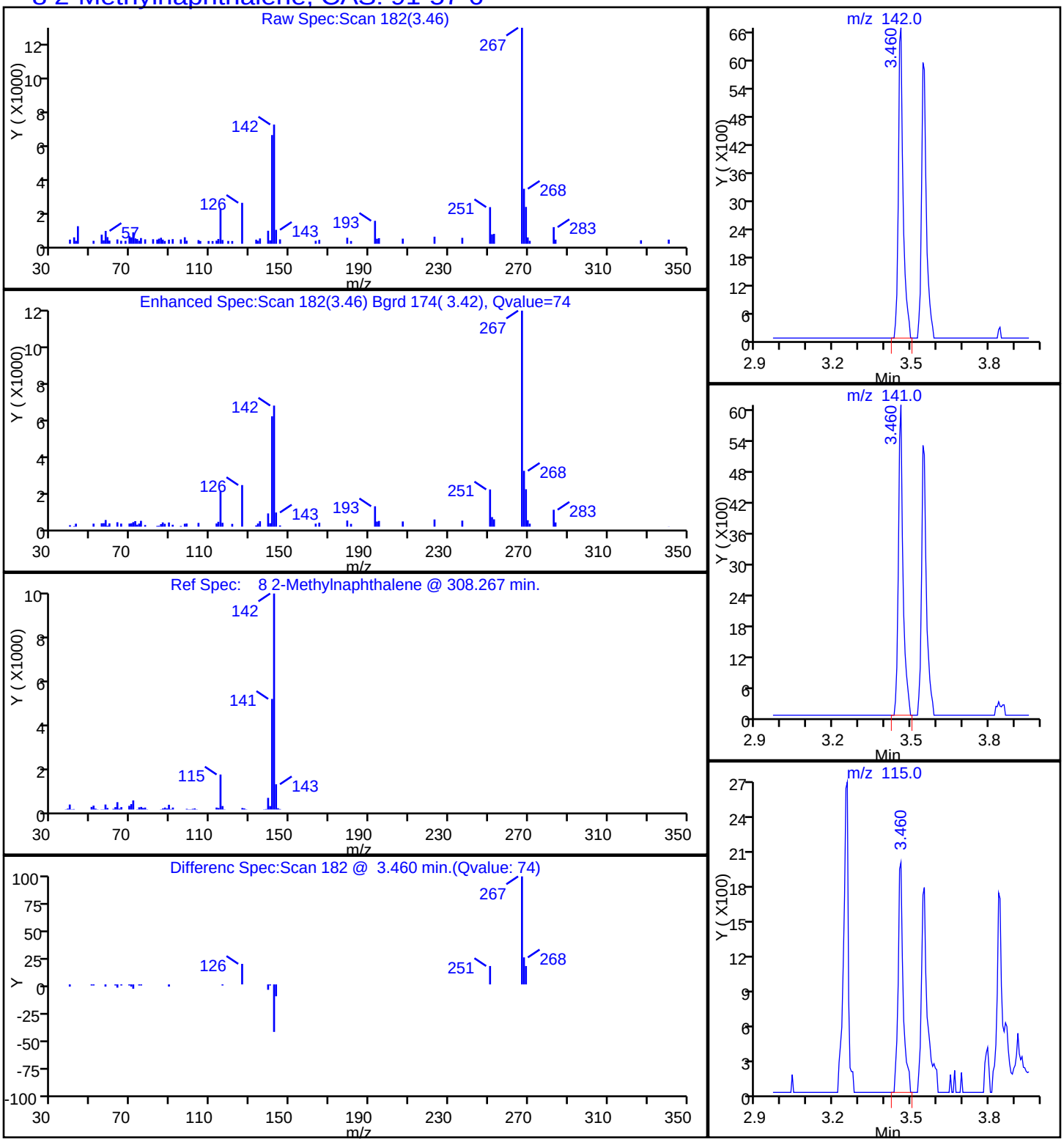


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

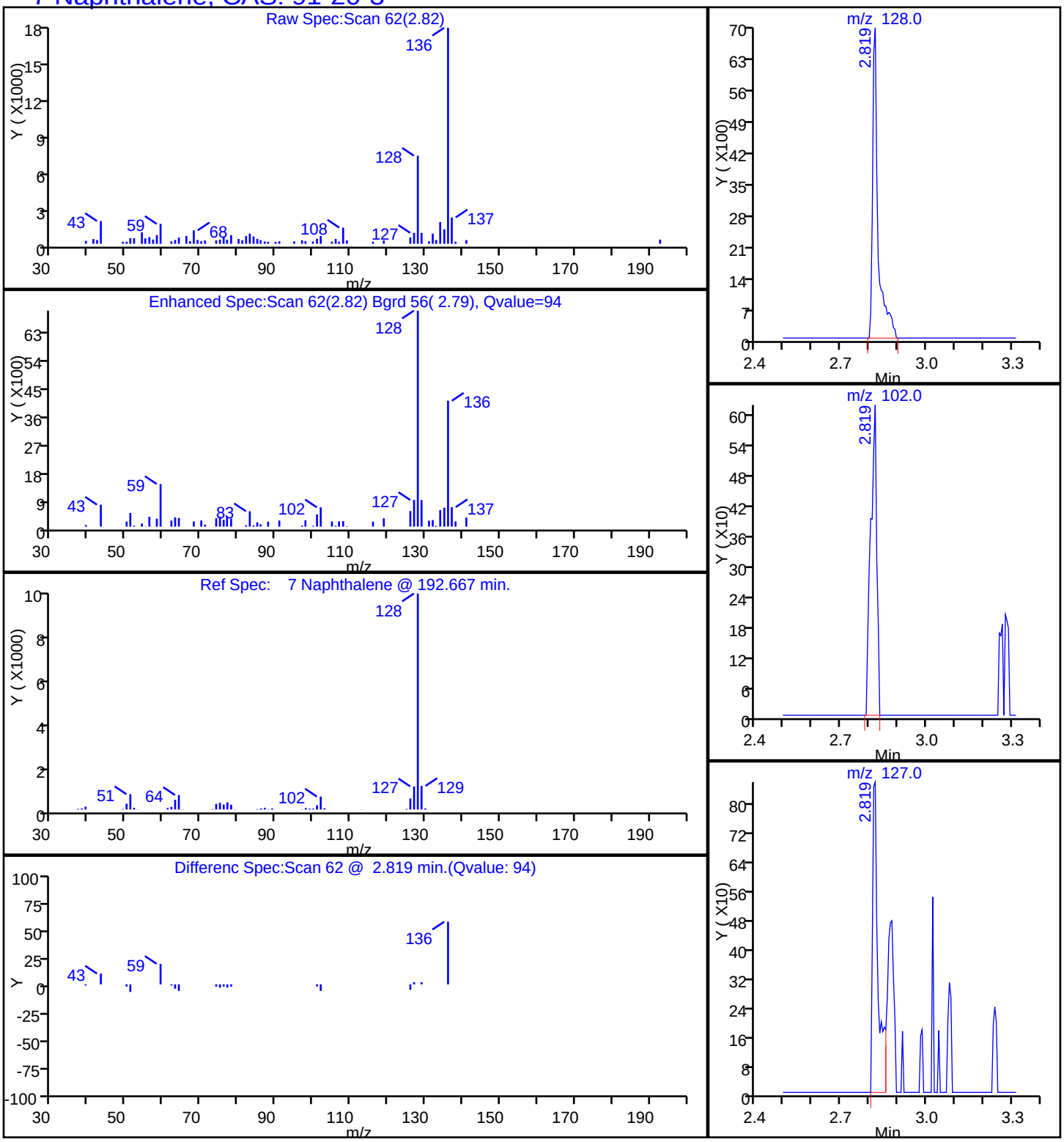


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

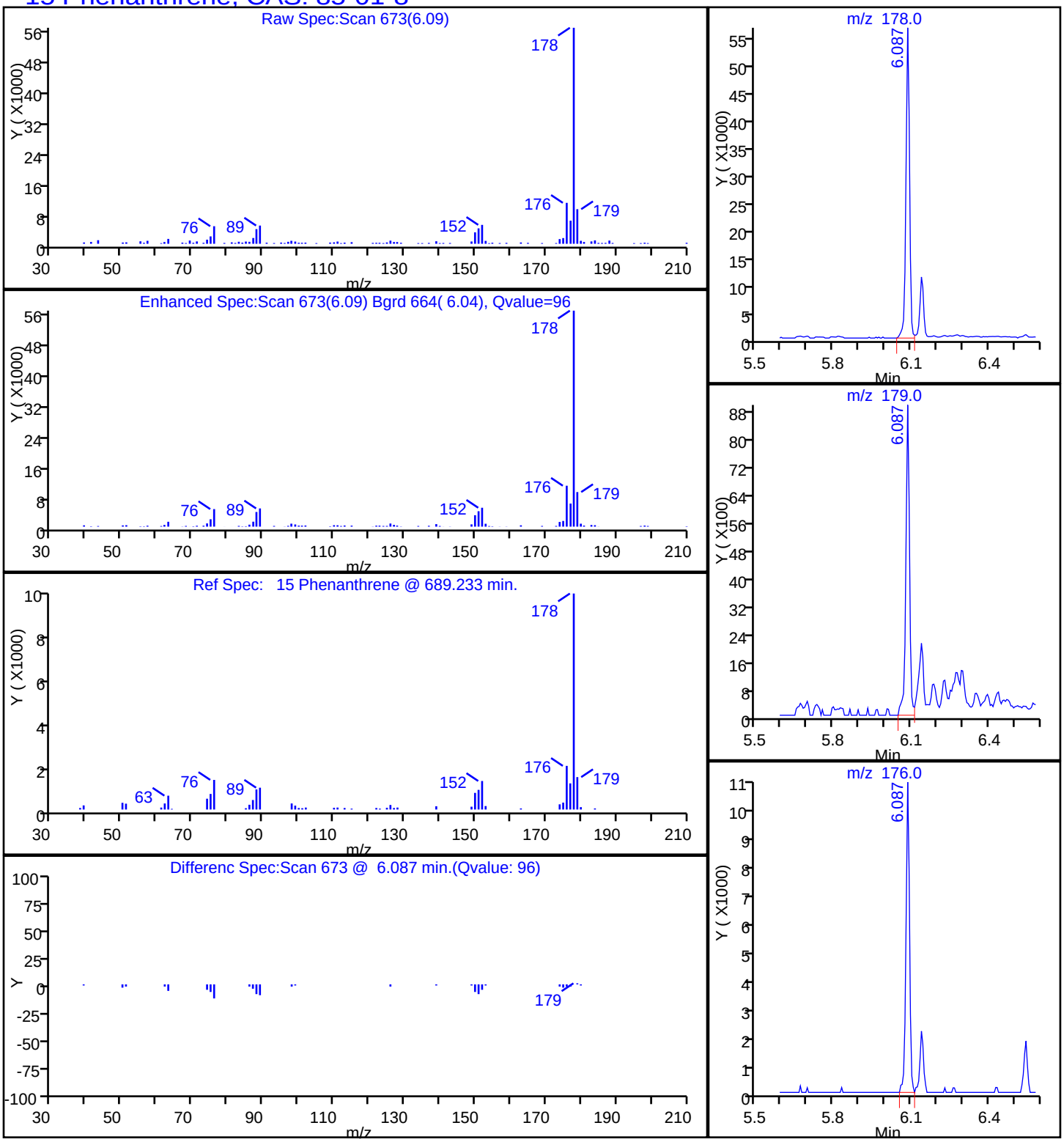


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

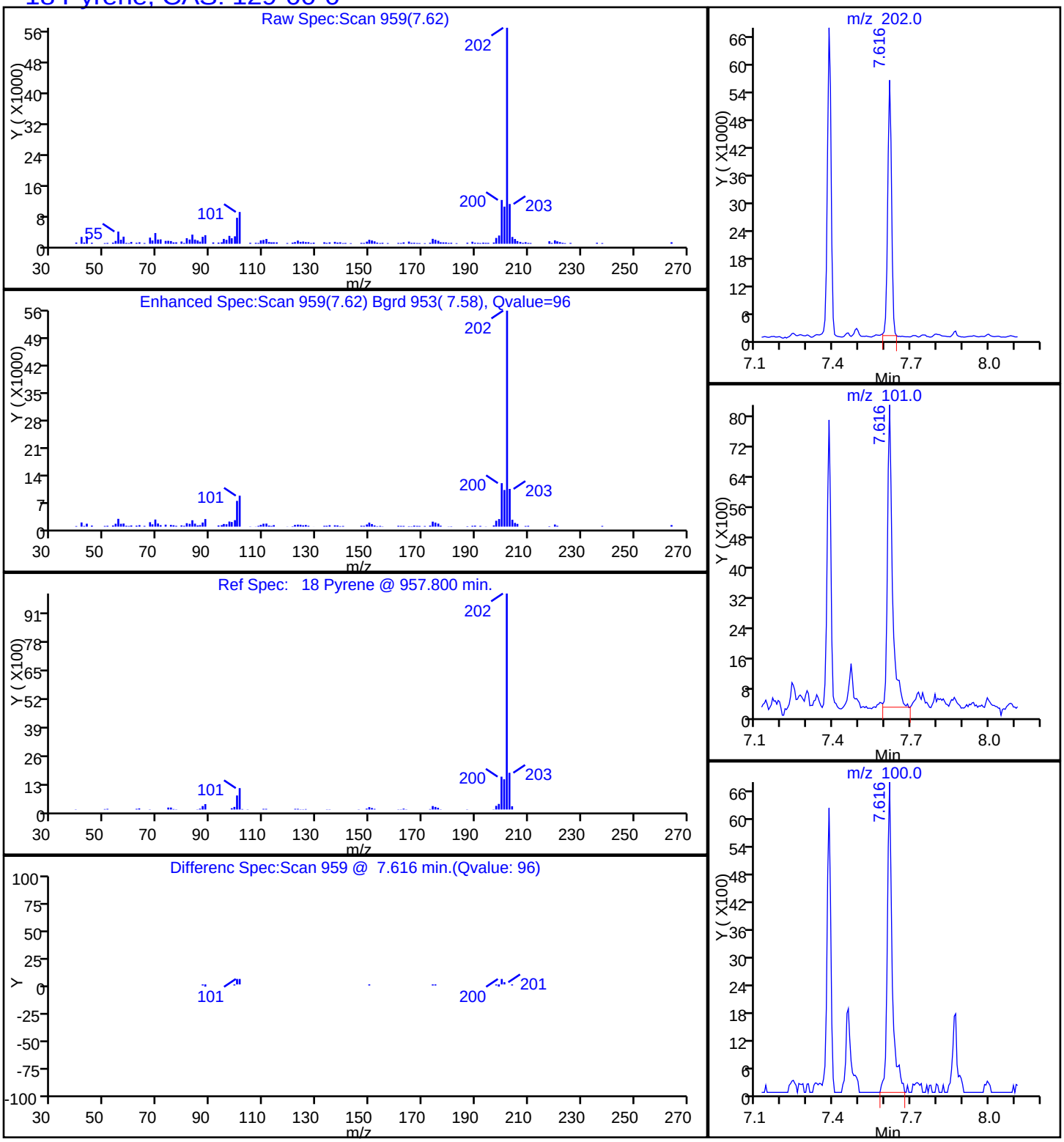


Report Date: 17-Oct-2014 08:59:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

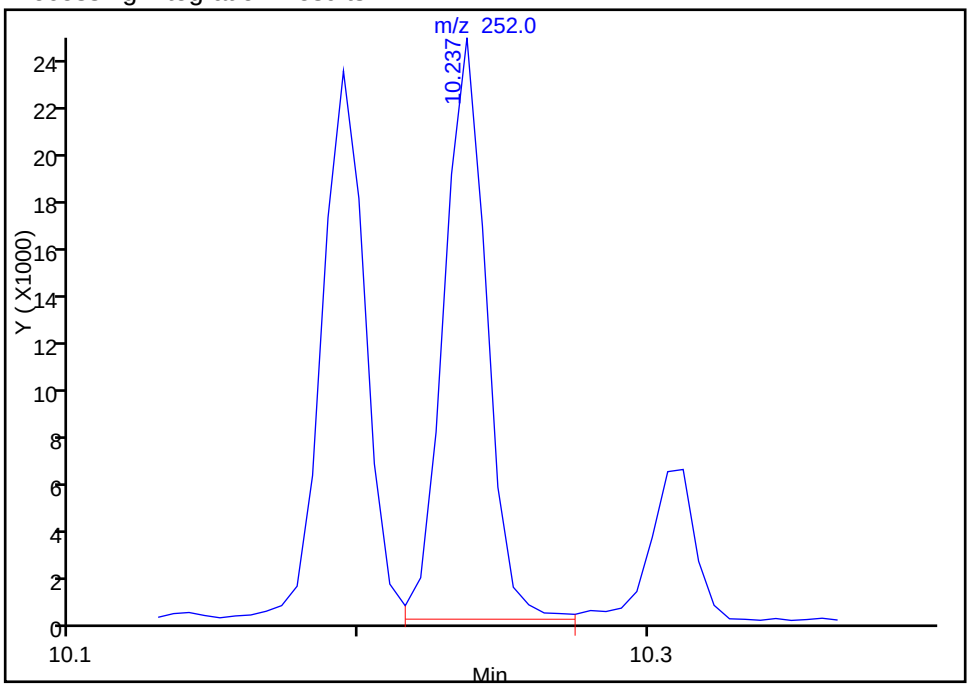
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1623.D				
Injection Date:	16-Oct-2014 19:57:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-34-A	Lab Sample ID:	680-106200-34		
Client ID:	CV0965D-CS18				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	23
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

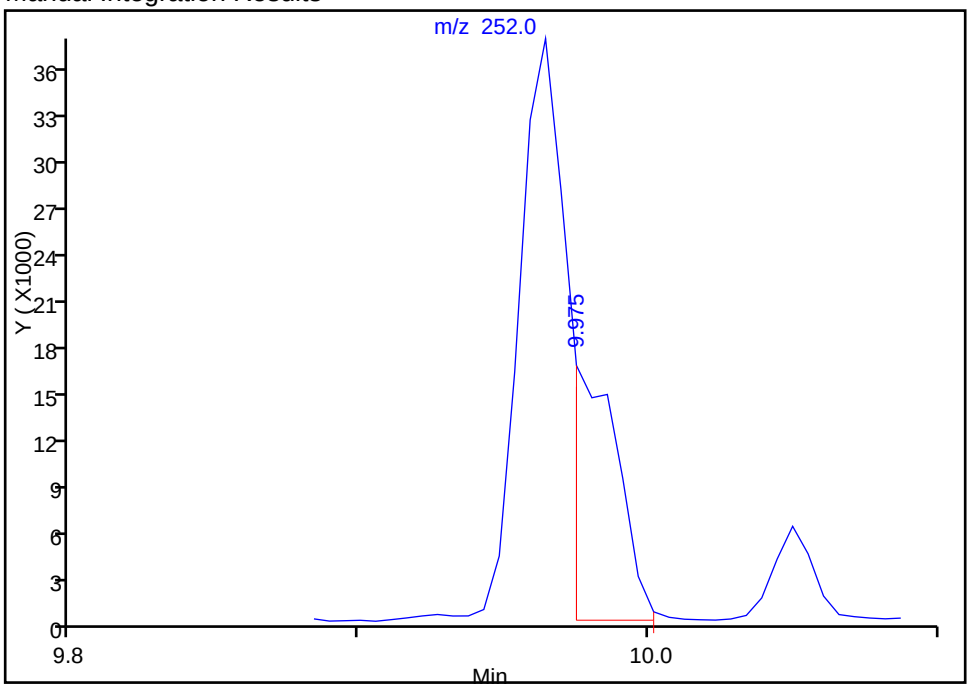
Processing Integration Results

RT: 10.24
Response: 24745
Amount: 0.438153



Manual Integration Results

RT: 9.98
Response: 18265
Amount: 0.323256



Reviewer: webbk, 17-Oct-2014 08:56:28
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0965D-CS24 | Lab Sample ID: 680-106200-35

Matrix: Solid | Lab File ID: 1YJ1624.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 16:00

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.01(g) | Date Analyzed: 10/16/2014 20:19

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

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

% Moisture: 10.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353862 | 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	7.5	U	7.5	3.7
56-55-3	Benzo[a]anthracene	7.8		7.5	3.7
50-32-8	Benzo[a]pyrene	8.0		7.5	1.3
205-99-2	Benzo[b]fluoranthene	12		7.5	3.7
191-24-2	Benzo[g,h,i]perylene	7.5		7.5	3.7
207-08-9	Benzo[k]fluoranthene	4.8	J	7.5	2.2
218-01-9	Chrysene	11		7.5	3.7
53-70-3	Dibenz(a,h)anthracene	7.5	U	7.5	3.7
206-44-0	Fluoranthene	12		7.5	3.7
86-73-7	Fluorene	7.5	U	7.5	3.7
193-39-5	Indeno[1,2,3-cd]pyrene	4.8	J	7.5	3.7
90-12-0	1-Methylnaphthalene	4.1	J	7.5	3.5
91-57-6	2-Methylnaphthalene	7.5	U	7.5	3.7
91-20-3	Naphthalene	7.5	U	7.5	3.7
85-01-8	Phenanthrene	9.8		7.5	2.7
129-00-0	Pyrene	14		7.5	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	106		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Sample Type:	Client				
Inject. Date:	16-Oct-2014 20:19:30	ALS Bottle#:	23	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	106200-A-35-A				
Misc. Info.:	680-0013814-024				
Operator ID:	RM	Instrument ID:	CMSY		
Method:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\8270D_LLPAH_MSY.m				
Limit Group:	8270D_LL_PAH				
Last Update:	17-Oct-2014 08:59:05	Calib Date:	07-Oct-2014 15:41:30		
Integrator:	RTE	ID Type:	RT Order 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:	XAWRK009				
First Level Reviewer: webbk		Date:	17-Oct-2014 08:58:48		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.802	2.803	-0.001	98	141271	2.00	
* 2 Acenaphthene-d10	164	4.493	4.487	0.006	90	80926	2.00	
* 3 Phenanthrene-d10	188	6.065	6.054	0.011	97	130406	2.00	
* 4 Chrysene-d12	240	8.932	8.927	0.005	99	105012	2.00	
* 5 Perylene-d12	264	10.285	10.269	0.016	98	89049	2.00	
$ 6 o-Terphenyl	230	6.547	6.541	0.005	90	71349	2.12	
8 2-Methylnaphthalene	142	3.460	3.455	0.005	46	4387	0.0859	
9 1-Methylnaphthalene	142	3.551	3.546	0.005	42	5245	0.1107	
15 Phenanthrene	178	6.087	6.081	0.006	90	20622	0.2642	
16 Anthracene	178	6.140	6.135	0.005	65	3370	0.0434	
17 Fluoranthene	202	7.381	7.376	0.005	97	26031	0.3147	
18 Pyrene	202	7.616	7.606	0.010	95	26603	0.3870	
19 Benzo[a]anthracene	228	8.927	8.916	0.011	51	12812	0.2086	
20 Chrysene	228	8.959	8.953	0.006	88	16682	0.2847	
21 Benzo[b]fluoranthene	252	9.964	9.948	0.016	95	19124	0.3265	M
22 Benzo[k]fluoranthene	252	9.975	9.975	0.000	94	7326	0.1287	M
23 Benzo[a]pyrene	252	10.237	10.221	0.016	93	10301	0.2138	
24 Indeno[1,2,3-cd]pyrene	276	11.130	11.109	0.021	86	7431	0.1289	
26 Benzo[g,h,i]perylene	276	11.355	11.323	0.032	51	8845	0.2015	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

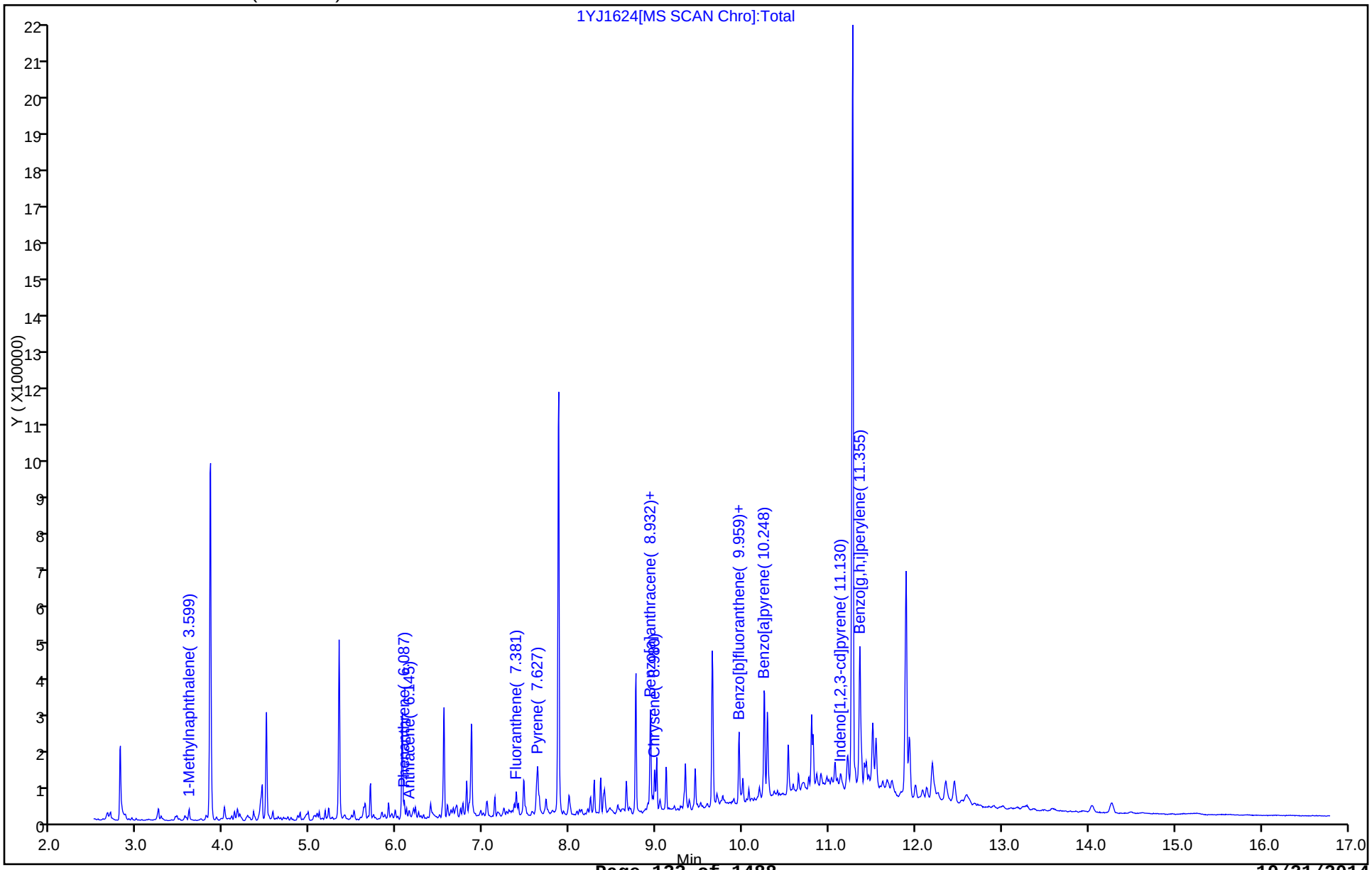
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 17-Oct-2014 08:59:06 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35	Worklist Smp#:	24
Client ID:	CV0965D-CS24				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

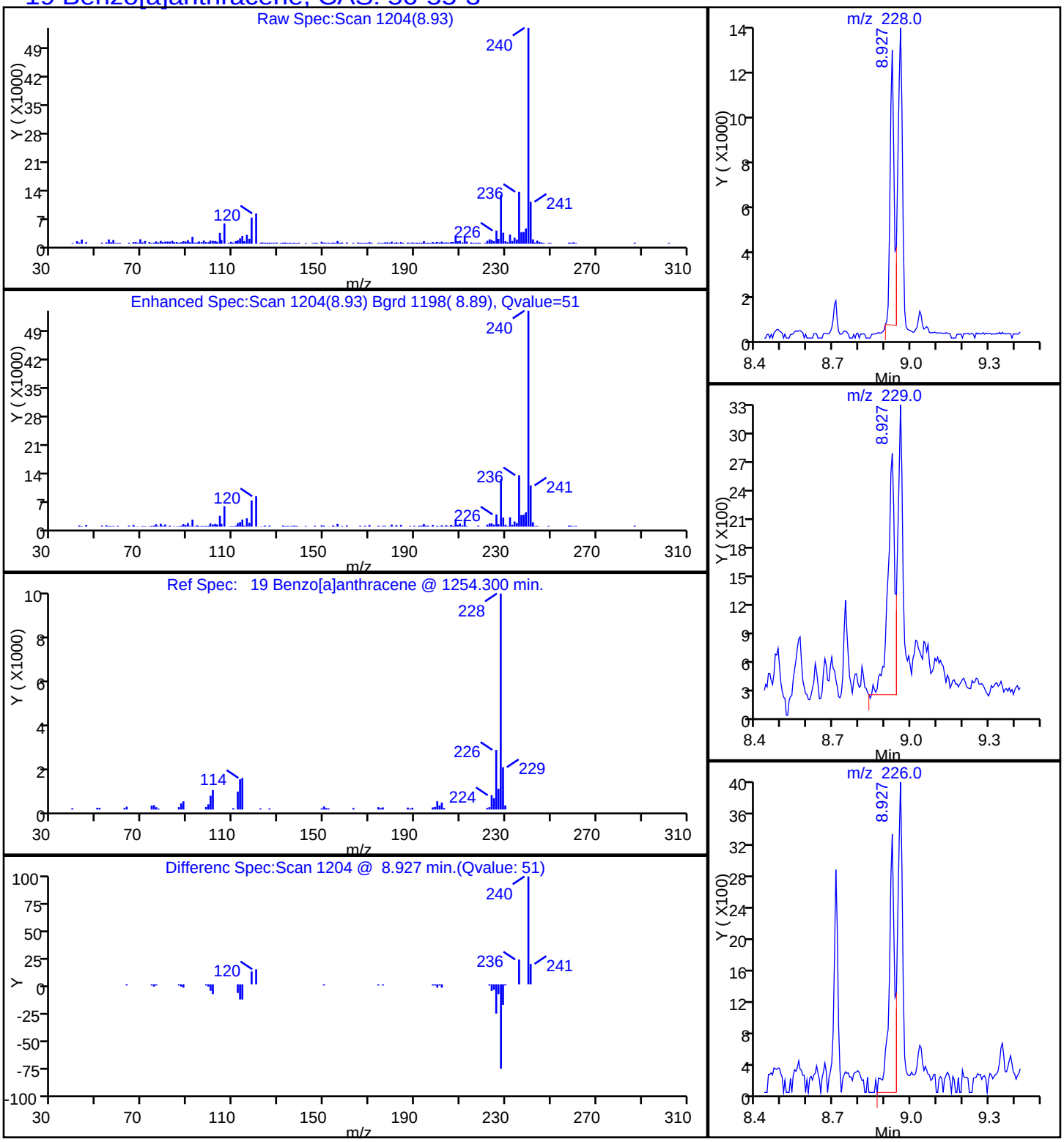


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

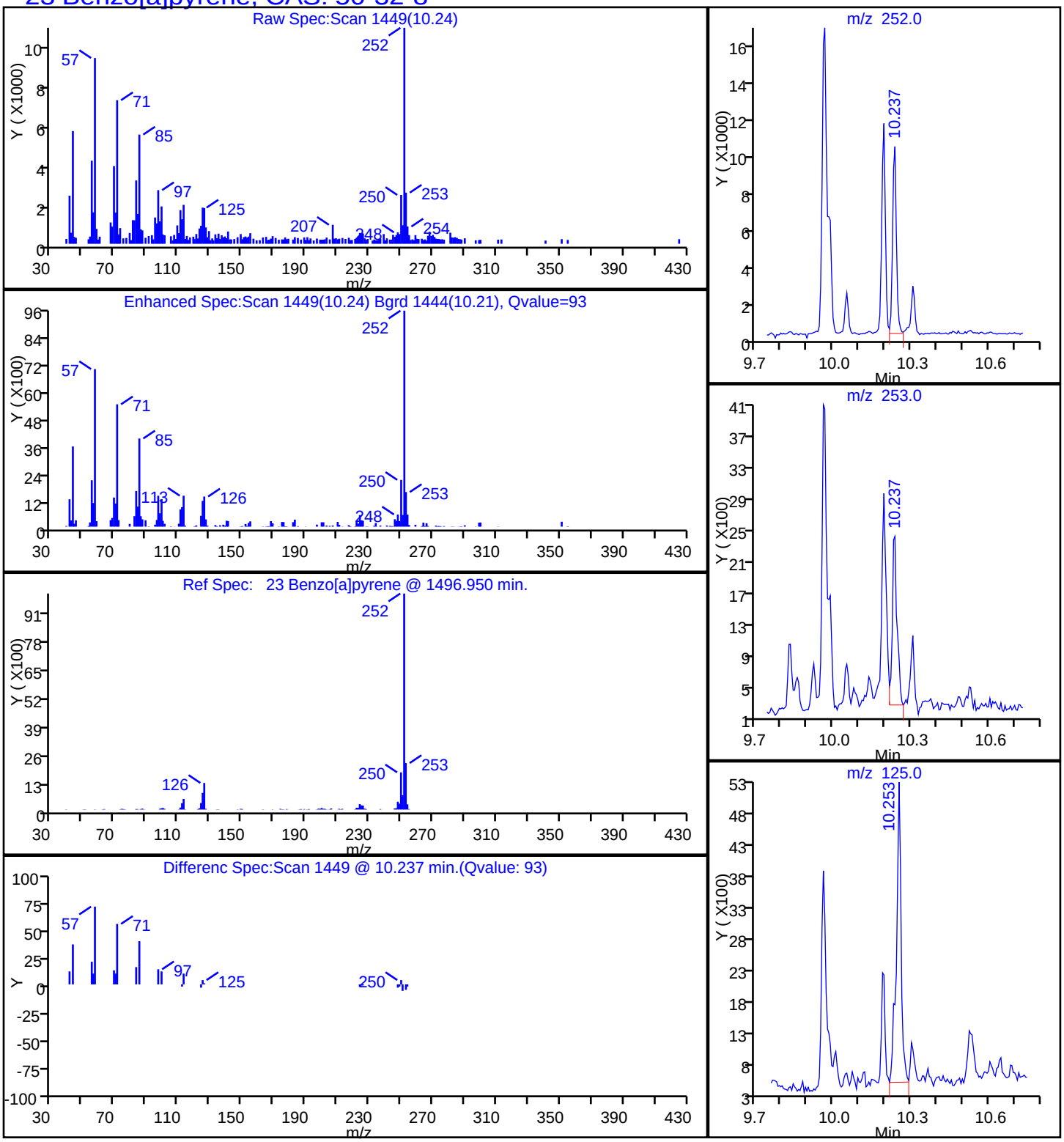


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

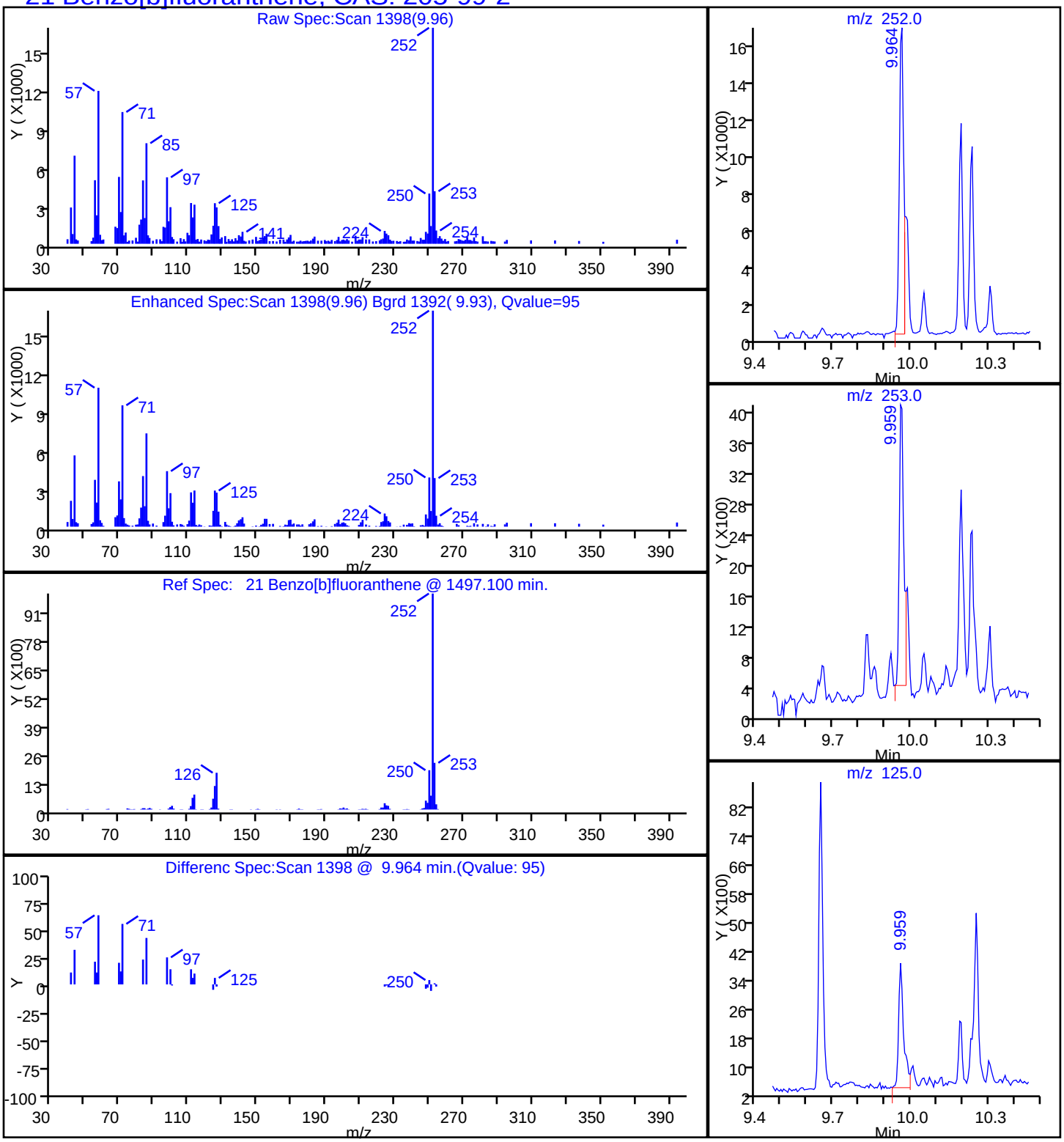


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

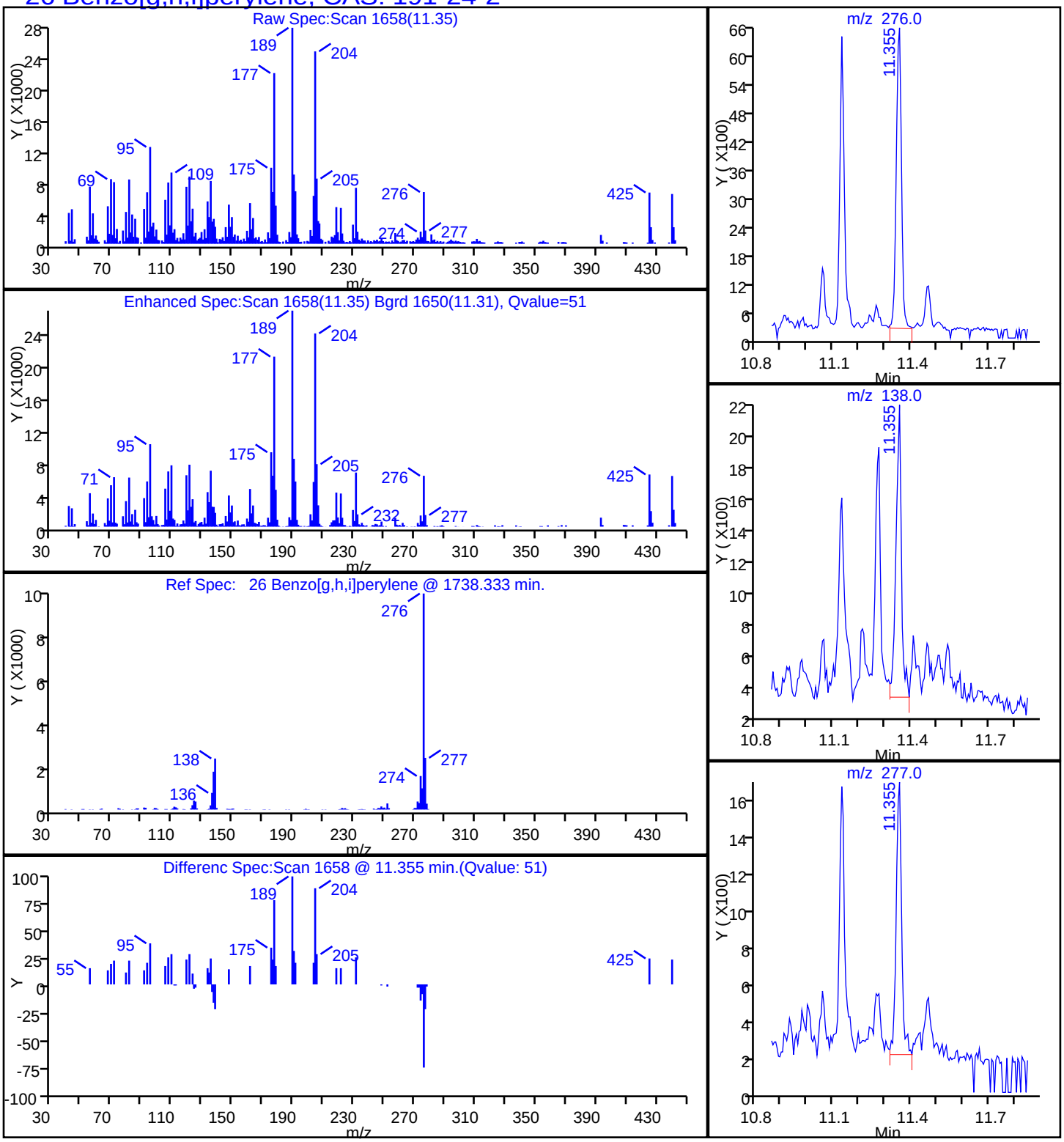


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

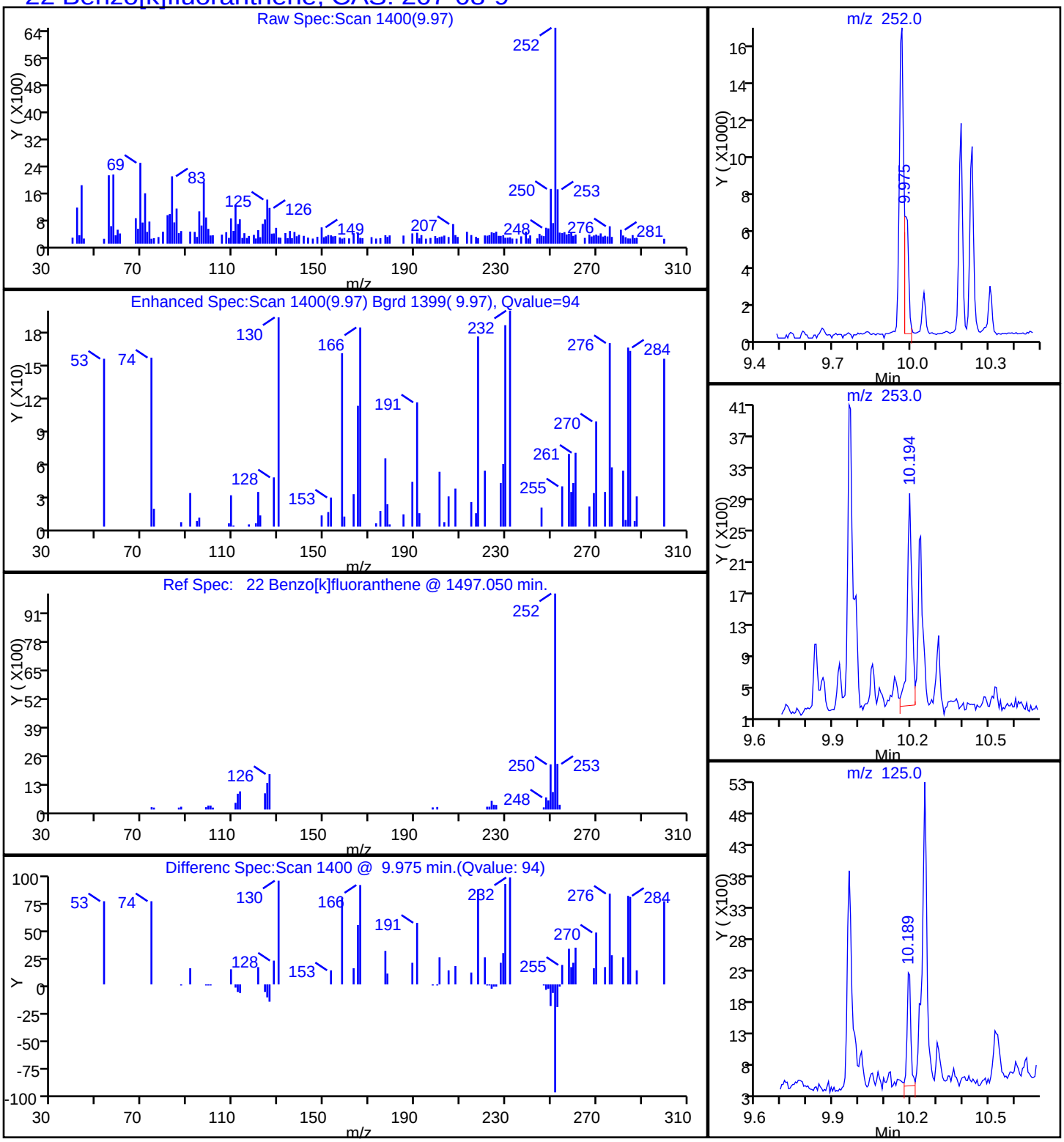


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

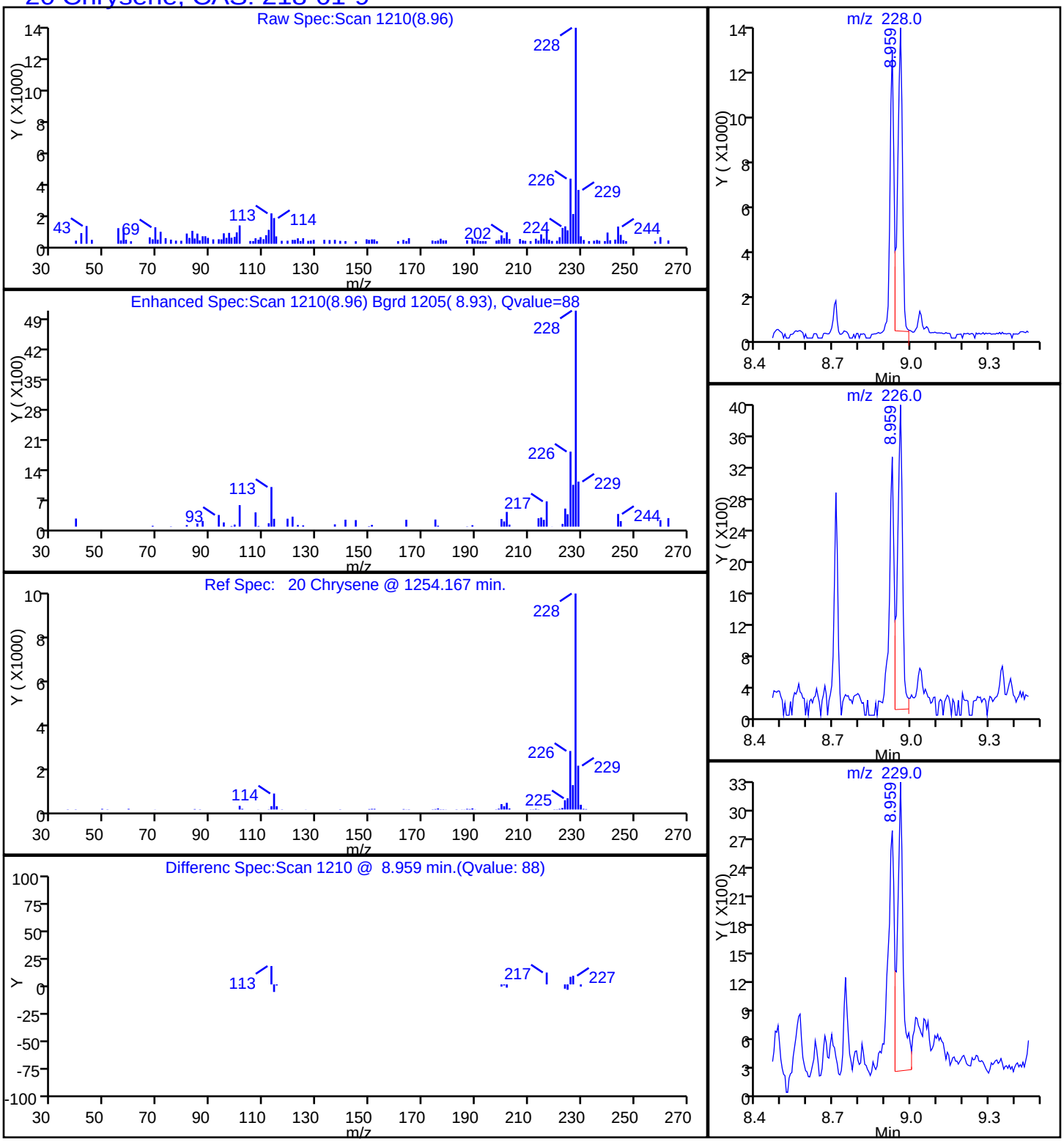


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

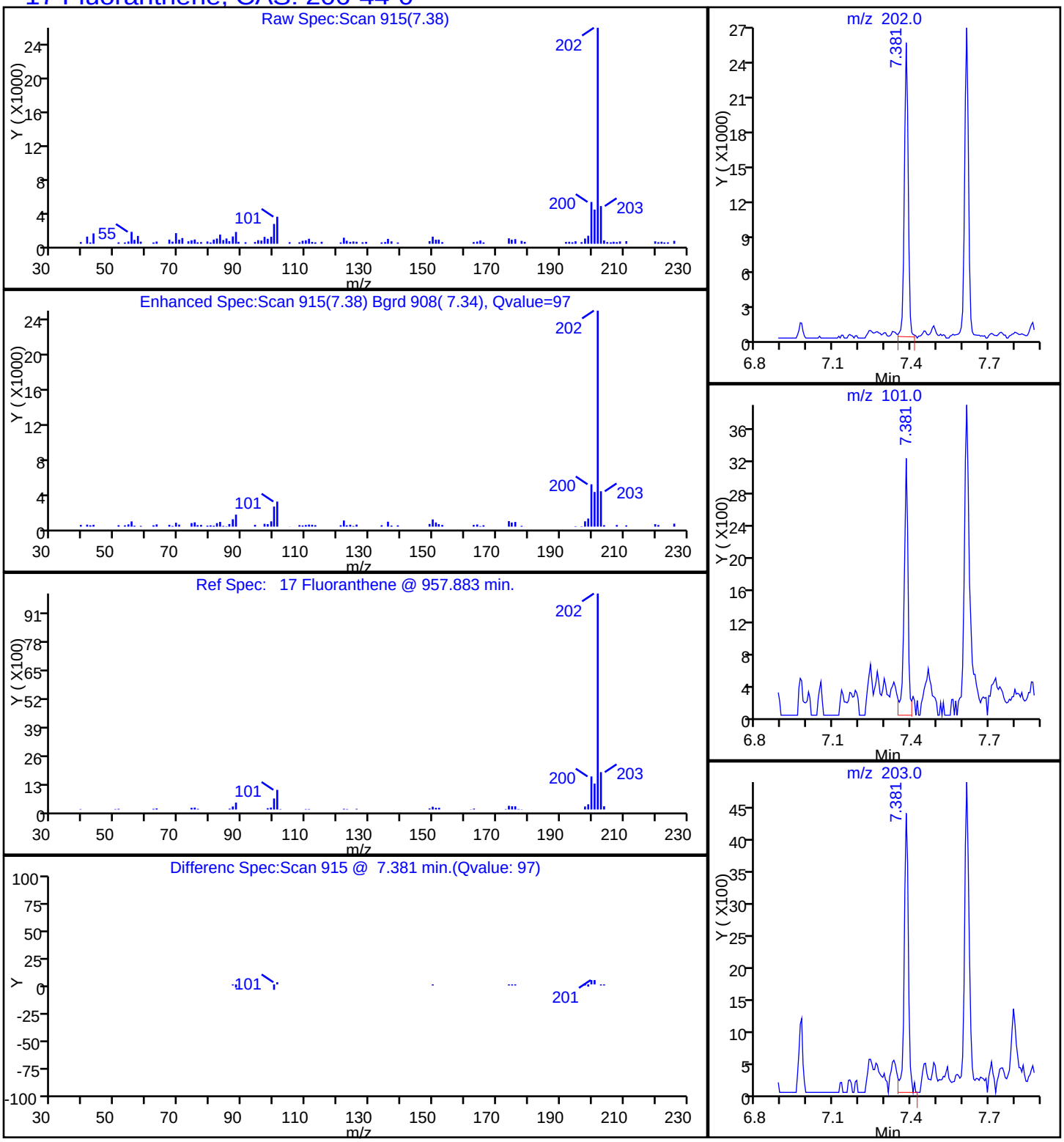


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

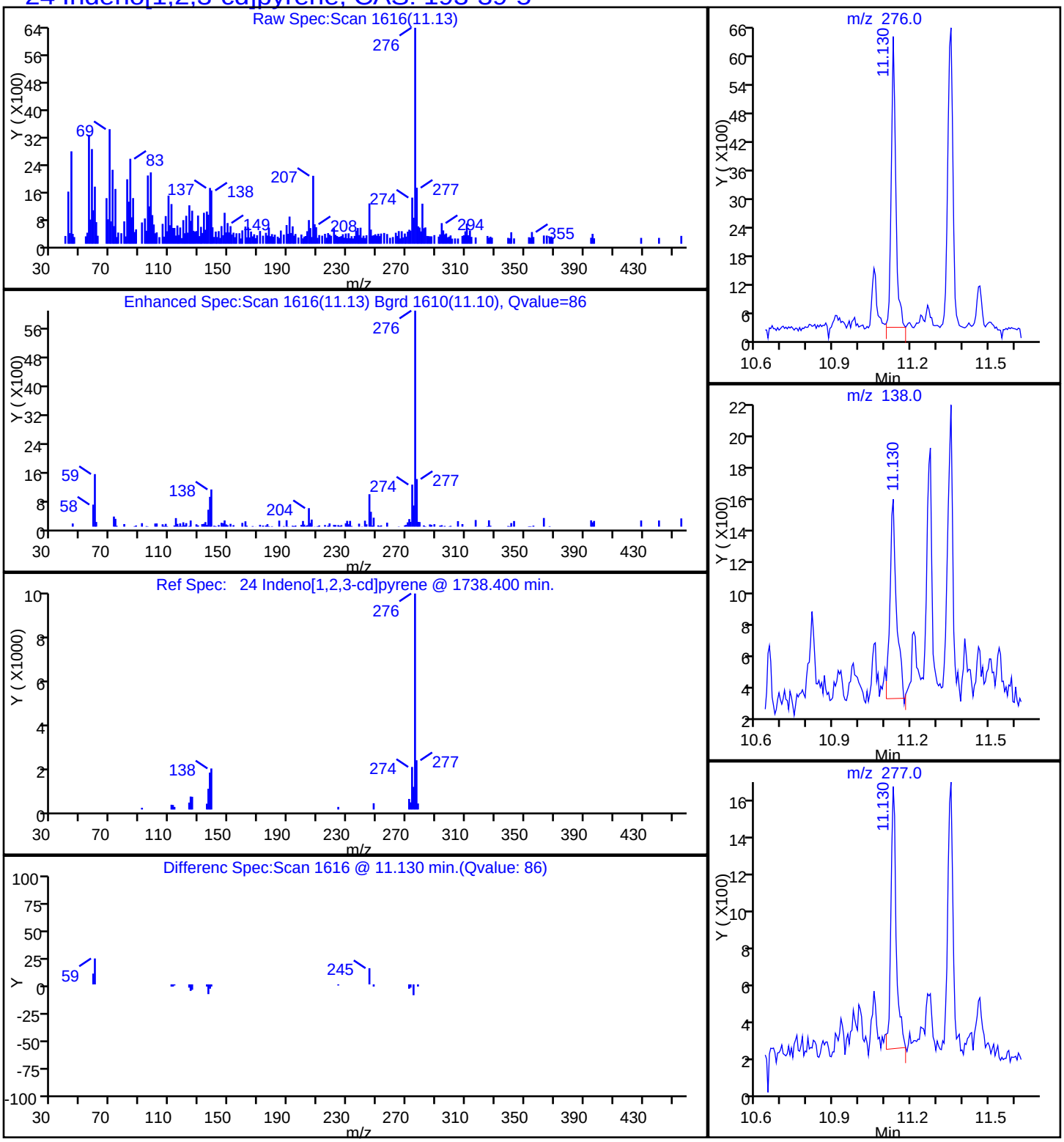


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

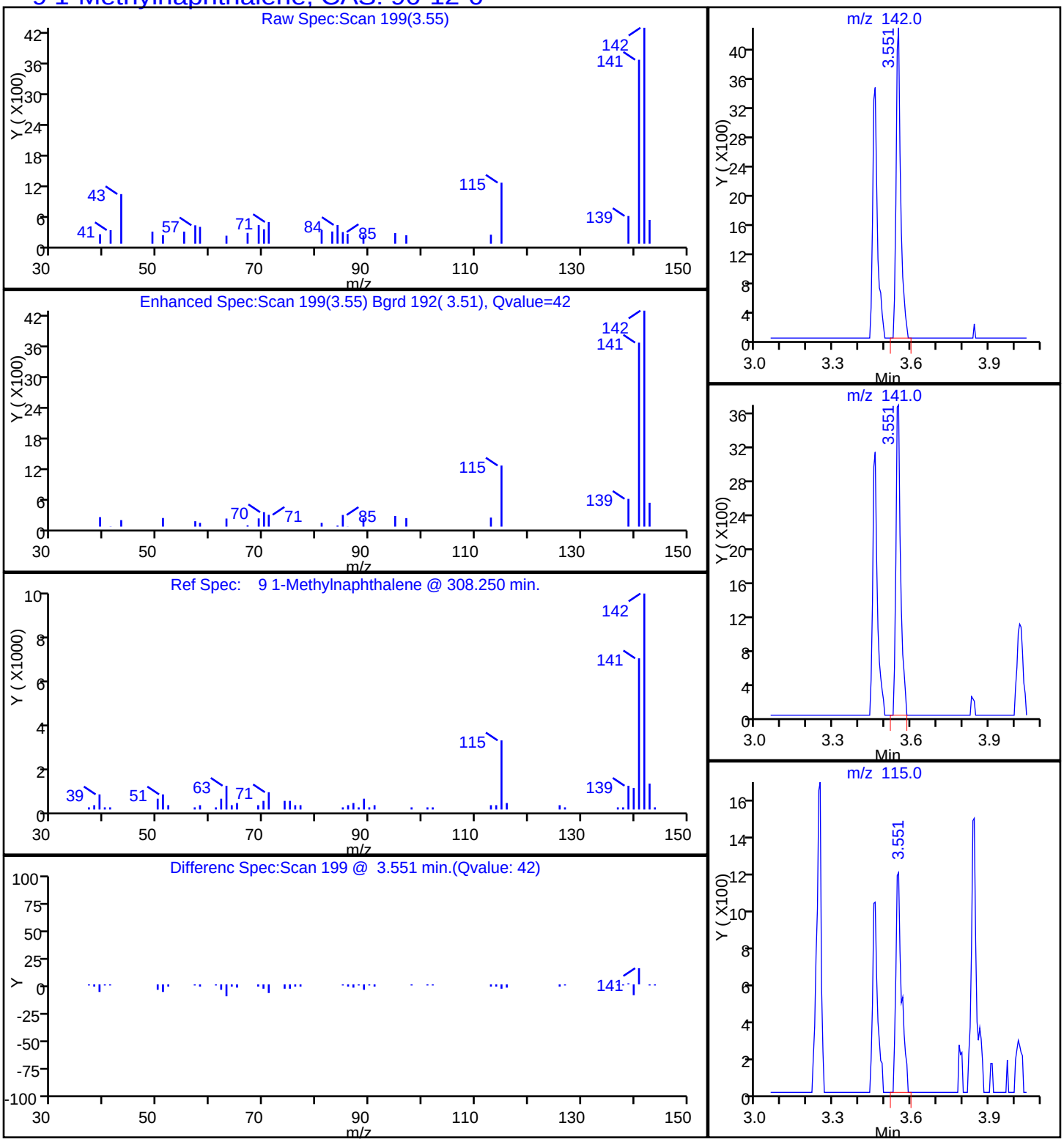


Report Date: 17-Oct-2014 08:59:06 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

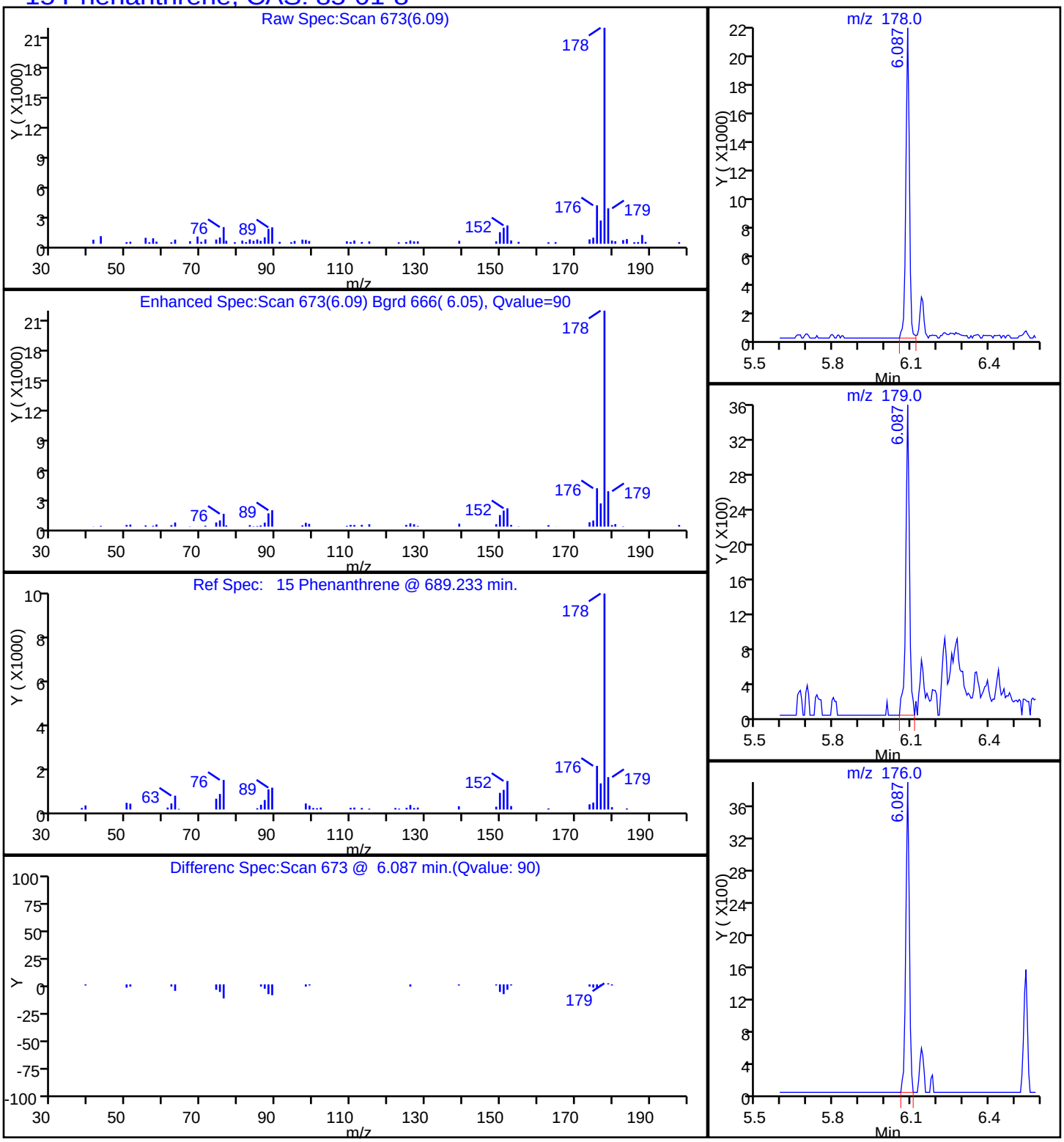


Report Date: 17-Oct-2014 08:59:06 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

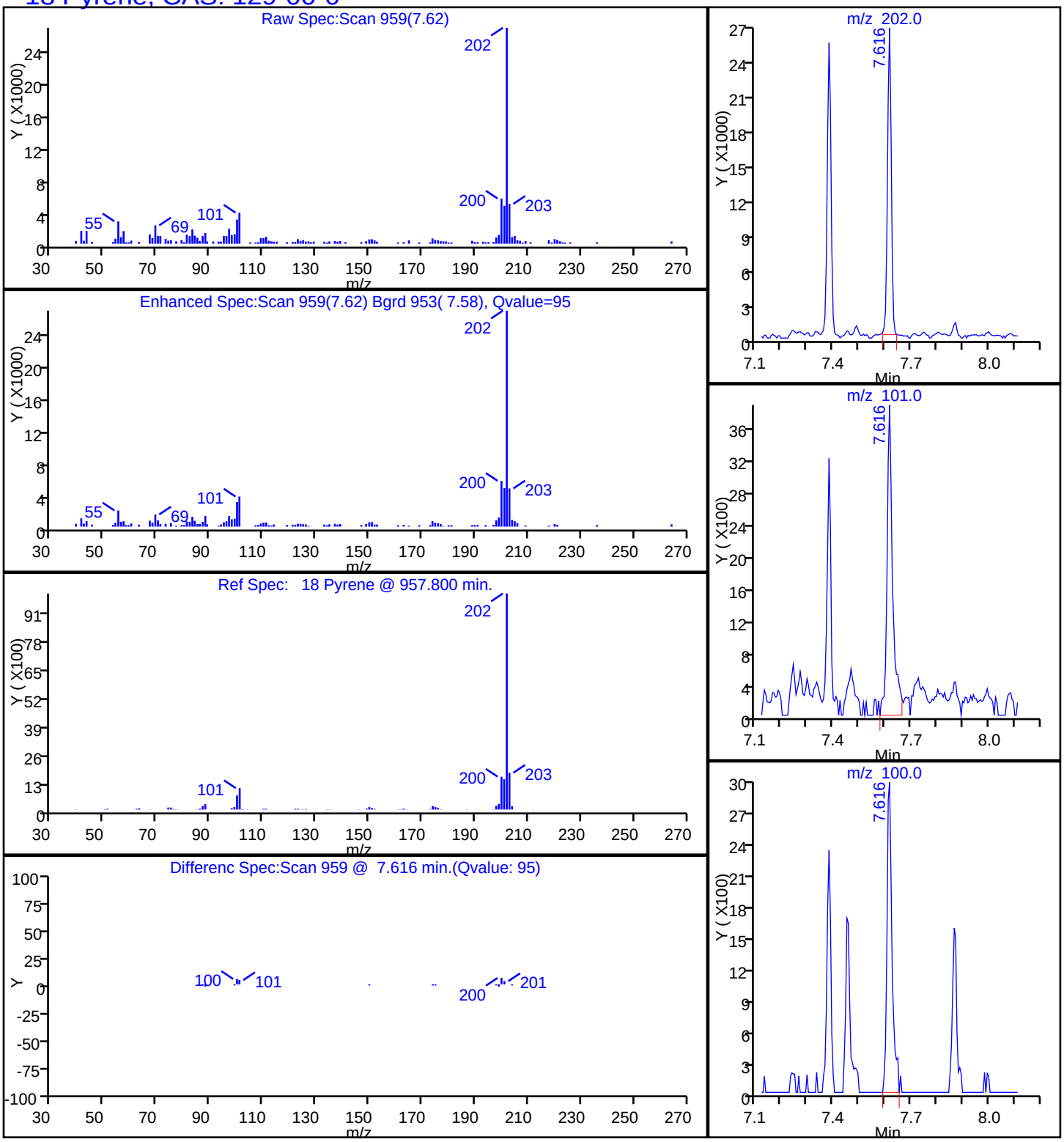


Report Date: 17-Oct-2014 08:59:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

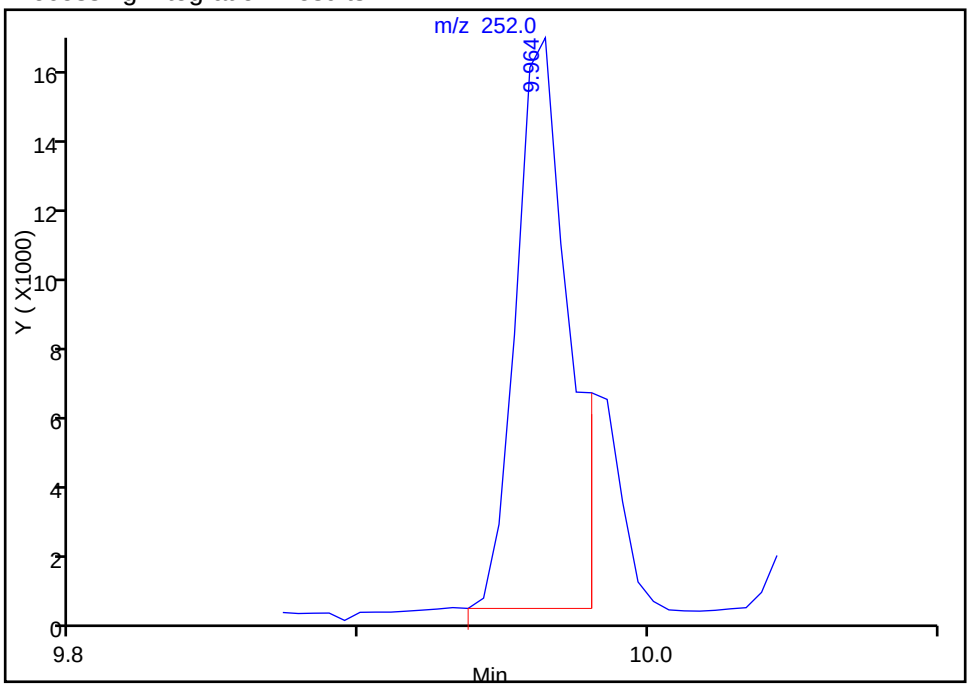
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

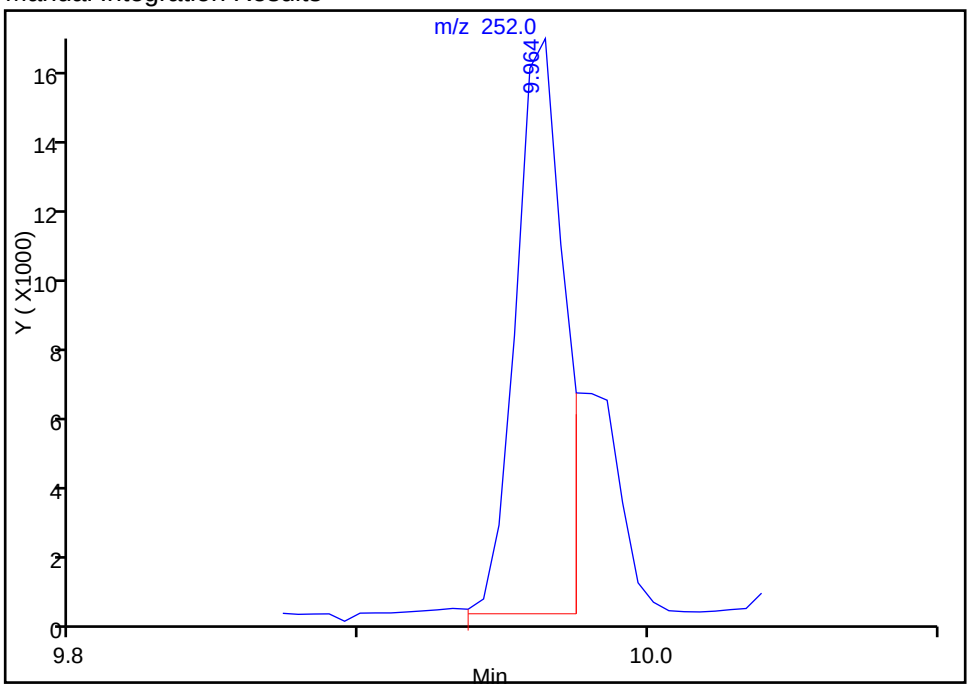
Processing Integration Results

RT: 9.96
Response: 20759
Amount: 0.354441



Manual Integration Results

RT: 9.96
Response: 19124
Amount: 0.326525



Reviewer: webbk, 17-Oct-2014 08:58:48
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

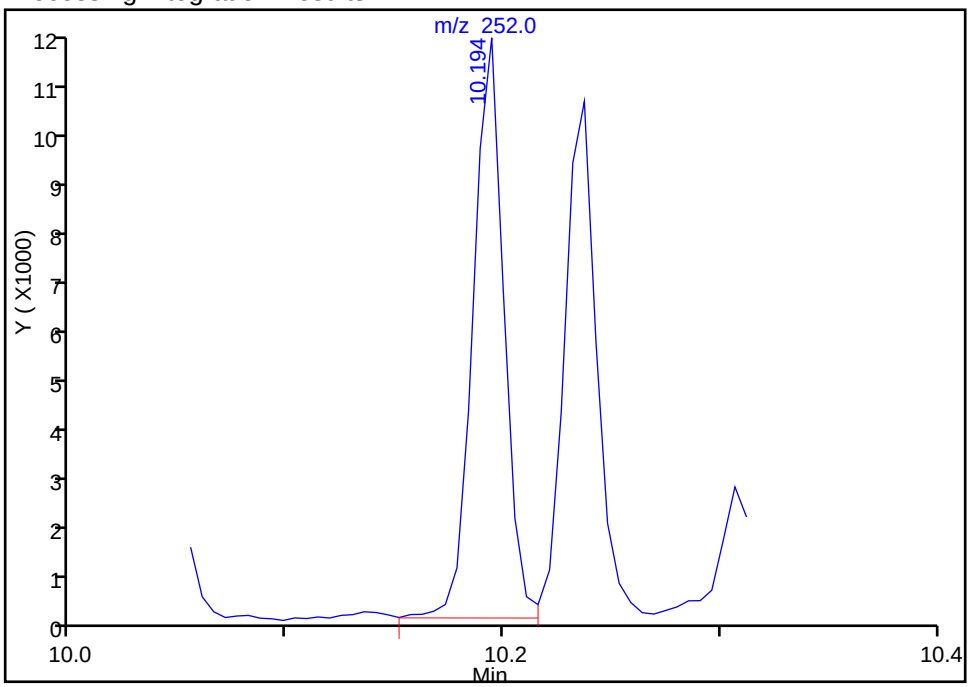
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1624.D				
Injection Date:	16-Oct-2014 20:19:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-35-A	Lab Sample ID:	680-106200-35		
Client ID:	CV0965D-CS24				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	24
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

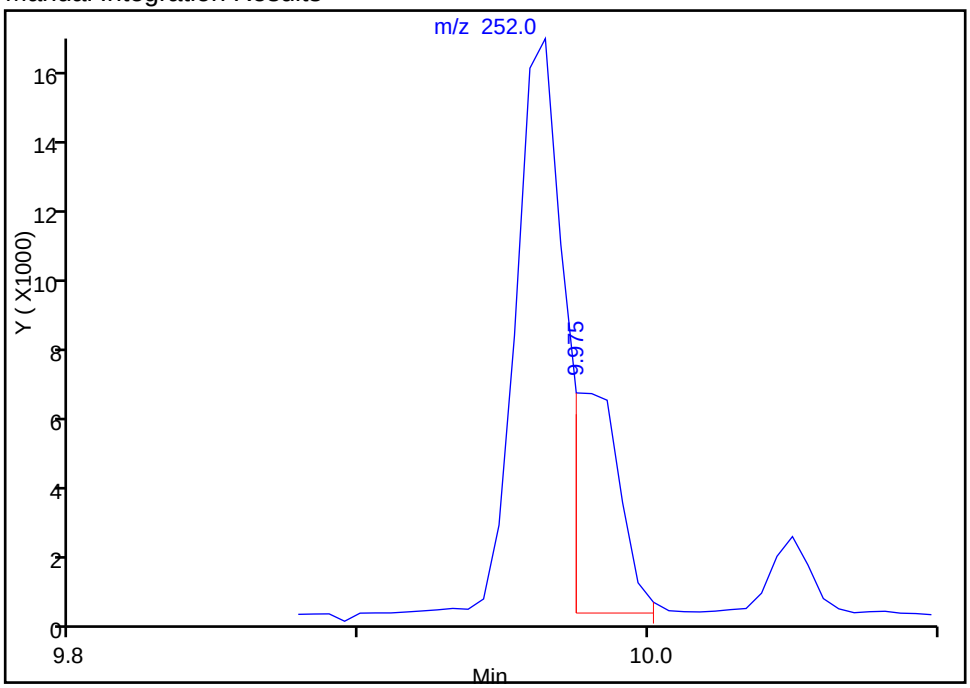
Processing Integration Results

RT: 10.19
Response: 11143
Amount: 0.195817



Manual Integration Results

RT: 9.97
Response: 7326
Amount: 0.128704



Reviewer: webbk, 17-Oct-2014 08:58:48
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0739A-CS6 | Lab Sample ID: 680-106200-36

Matrix: Solid | Lab File ID: 1KJ1711.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 13:50

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.04(g) | Date Analyzed: 10/17/2014 14:31

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354071 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	530		150	72
208-96-8	Acenaphthylene	130	J	150	72
120-12-7	Anthracene	1200		150	72
56-55-3	Benzo[a]anthracene	4700		150	72
50-32-8	Benzo[a]pyrene	3900		150	26
205-99-2	Benzo[b]fluoranthene	5700		150	72
191-24-2	Benzo[g,h,i]perylene	1300		150	72
207-08-9	Benzo[k]fluoranthene	2900		150	44
218-01-9	Chrysene	5000		150	72
53-70-3	Dibenz(a,h)anthracene	510		150	72
206-44-0	Fluoranthene	9900		150	72
86-73-7	Fluorene	460		150	72
193-39-5	Indeno[1,2,3-cd]pyrene	1300		150	72
90-12-0	1-Methylnaphthalene	230		150	68
91-57-6	2-Methylnaphthalene	290		150	72
91-20-3	Naphthalene	410		150	72
85-01-8	Phenanthrene	5700		150	52
129-00-0	Pyrene	8200		150	72

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D
Lims ID: 680-106200-A-36-A Lab Sample ID: 680-106200-36
Client ID: CV0739A-CS6
Sample Type: Client
Inject. Date: 17-Oct-2014 14:31:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 680-106200-A-36-A 1:20
Misc. Info.: 680-0013846-011
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20141017-13846.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 17-Oct-2014 14:56:05 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: webbk Date: 17-Oct-2014 14:53:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.925	2.925	0.000	98	484017	2.00	
* 2 Acenaphthene-d10	164	4.582	4.582	0.000	91	247949	2.00	
* 3 Phenanthrene-d10	188	6.127	6.127	0.000	98	340857	2.00	
* 4 Chrysene-d12	240	8.953	8.954	-0.001	99	223469	2.00	
* 5 Perylene-d12	264	10.275	10.276	-0.001	96	170094	2.00	
7 Naphthalene	128	2.943	2.943	0.000	99	146008	0.5600	
9 2-Methylnaphthalene	142	3.566	3.566	0.000	84	62210	0.4037	
8 1-Methylnaphthalene	142	3.654	3.660	-0.006	93	45141	0.3163	
11 Acenaphthylene	152	4.429	4.435	-0.006	96	42506	0.1799	
12 Acenaphthene	153	4.611	4.617	-0.006	94	111474	0.7229	
14 Fluorene	166	5.152	5.152	0.000	97	93280	0.6282	
15 Phenanthrene	178	6.157	6.151	0.006	97	1578252	7.84	
16 Anthracene	178	6.204	6.204	0.000	98	315228	1.69	
17 Fluoranthene	202	7.432	7.426	0.006	98	2625848	13.7	
18 Pyrene	202	7.661	7.655	0.006	97	2133150	11.3	
19 Benzo[a]anthracene	228	8.948	8.942	0.006	99	835733	6.47	
20 Chrysene	228	8.983	8.977	0.006	98	878080	6.86	
21 Benzo[b]fluoranthene	252	9.964	9.958	0.006	97	877230	7.87	
22 Benzo[k]fluoranthene	252	9.982	9.982	0.000	97	429883	3.96	M
23 Benzo[a]pyrene	252	10.228	10.229	-0.001	95	513323	5.36	
24 Indeno[1,2,3-cd]pyrene	276	11.104	11.116	-0.012	97	237799	1.83	
25 Dibenz(a,h)anthracene	278	11.127	11.145	-0.018	93	66810	0.7051	
26 Benzo[g,h,i]perylene	276	11.310	11.327	-0.017	94	175321	1.80	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

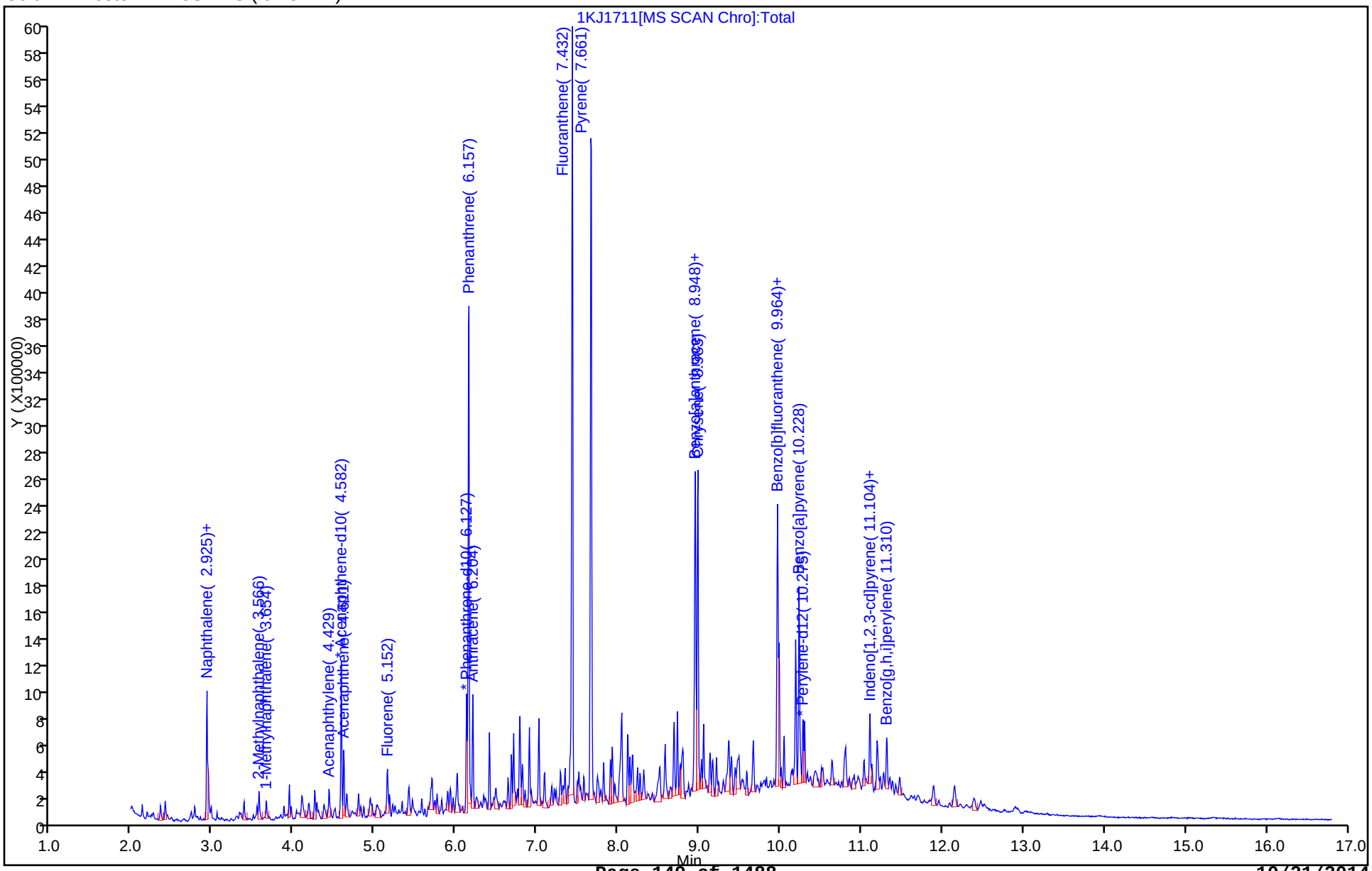
SM-LLISTD_00110 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36	Worklist Smp#:	11
Client ID:	CV0739A-CS6				
Injection Vol:	1.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	11
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

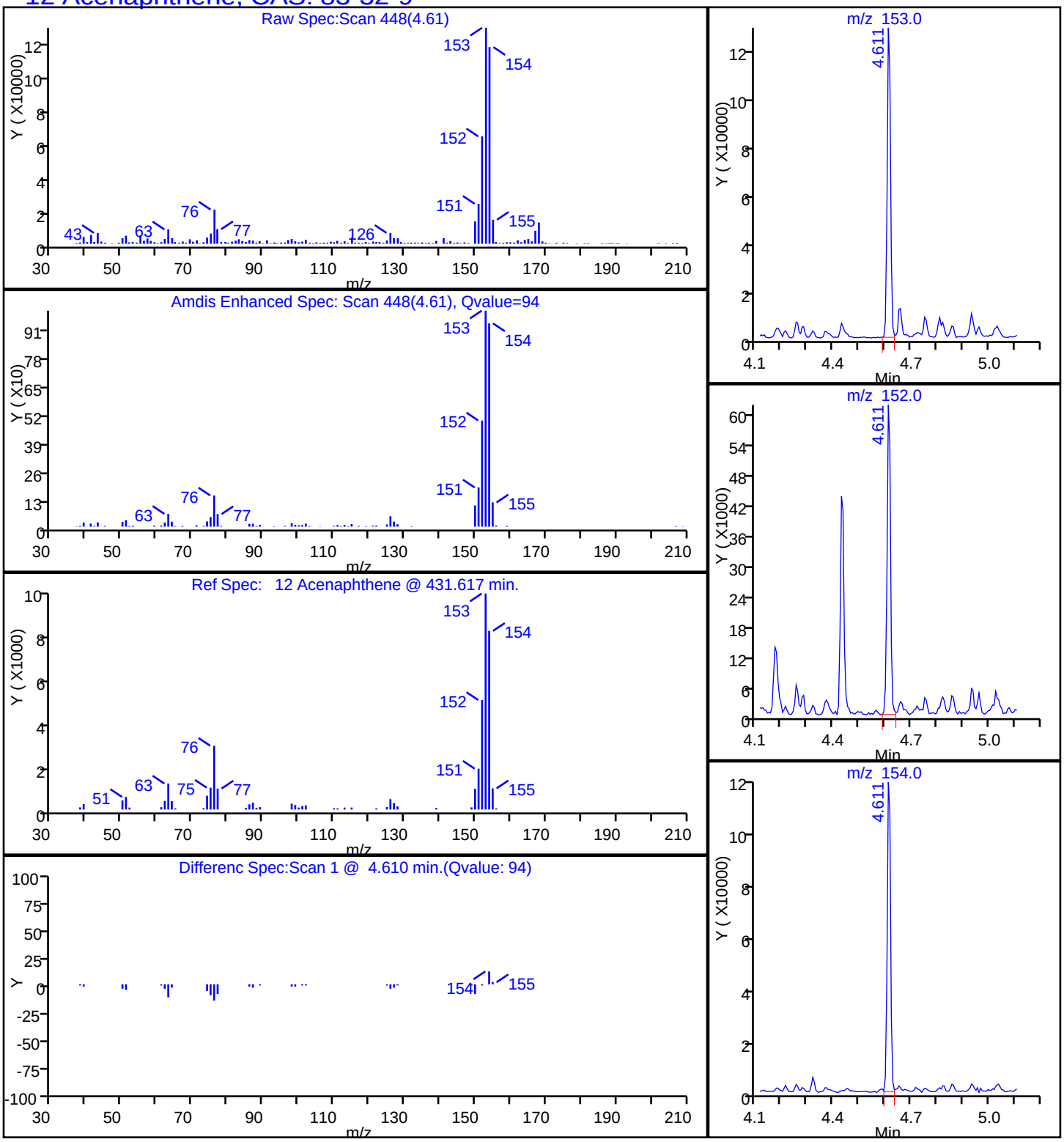


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthene, CAS: 83-32-9

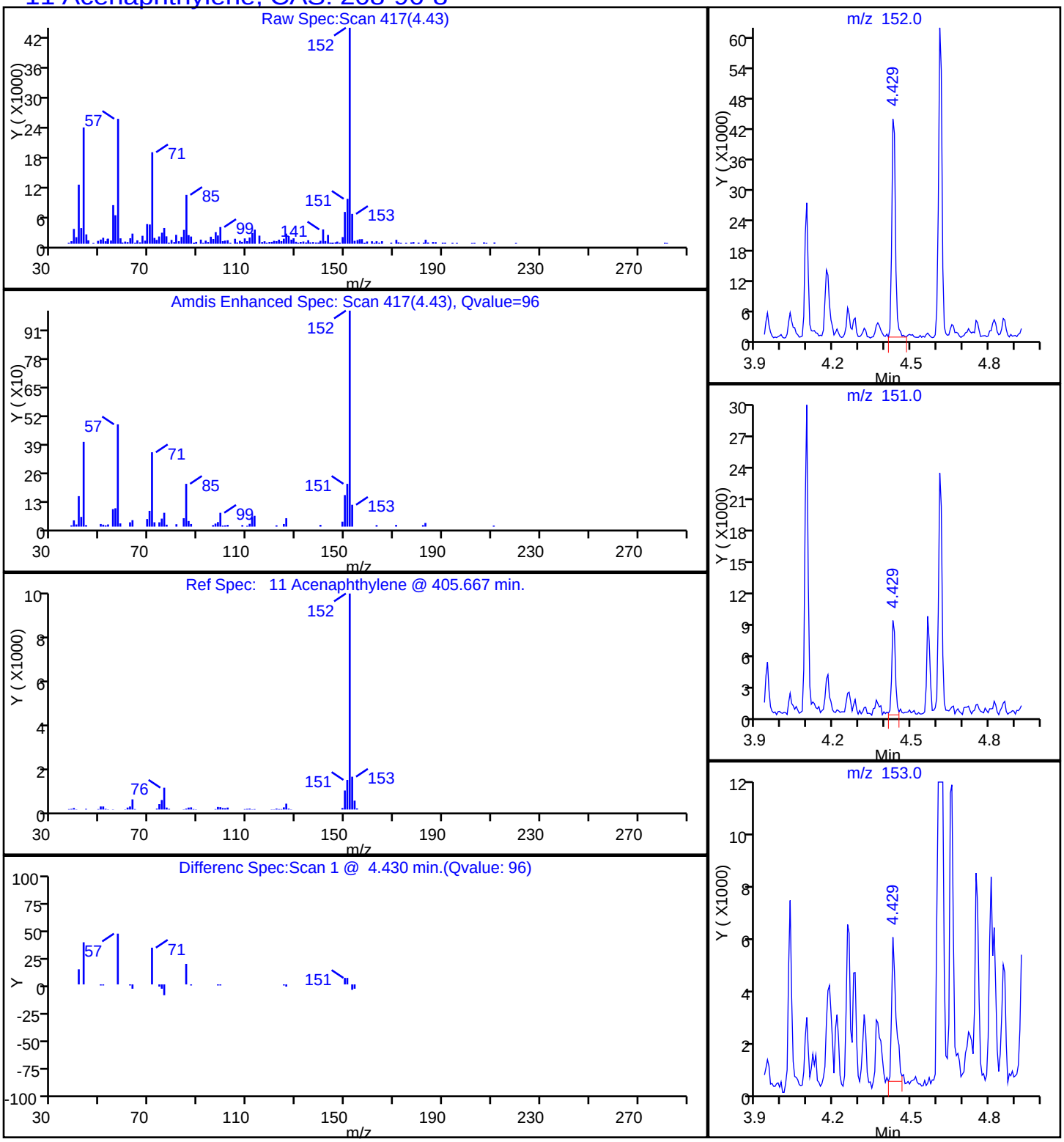


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

11 Acenaphthylene, CAS: 208-96-8

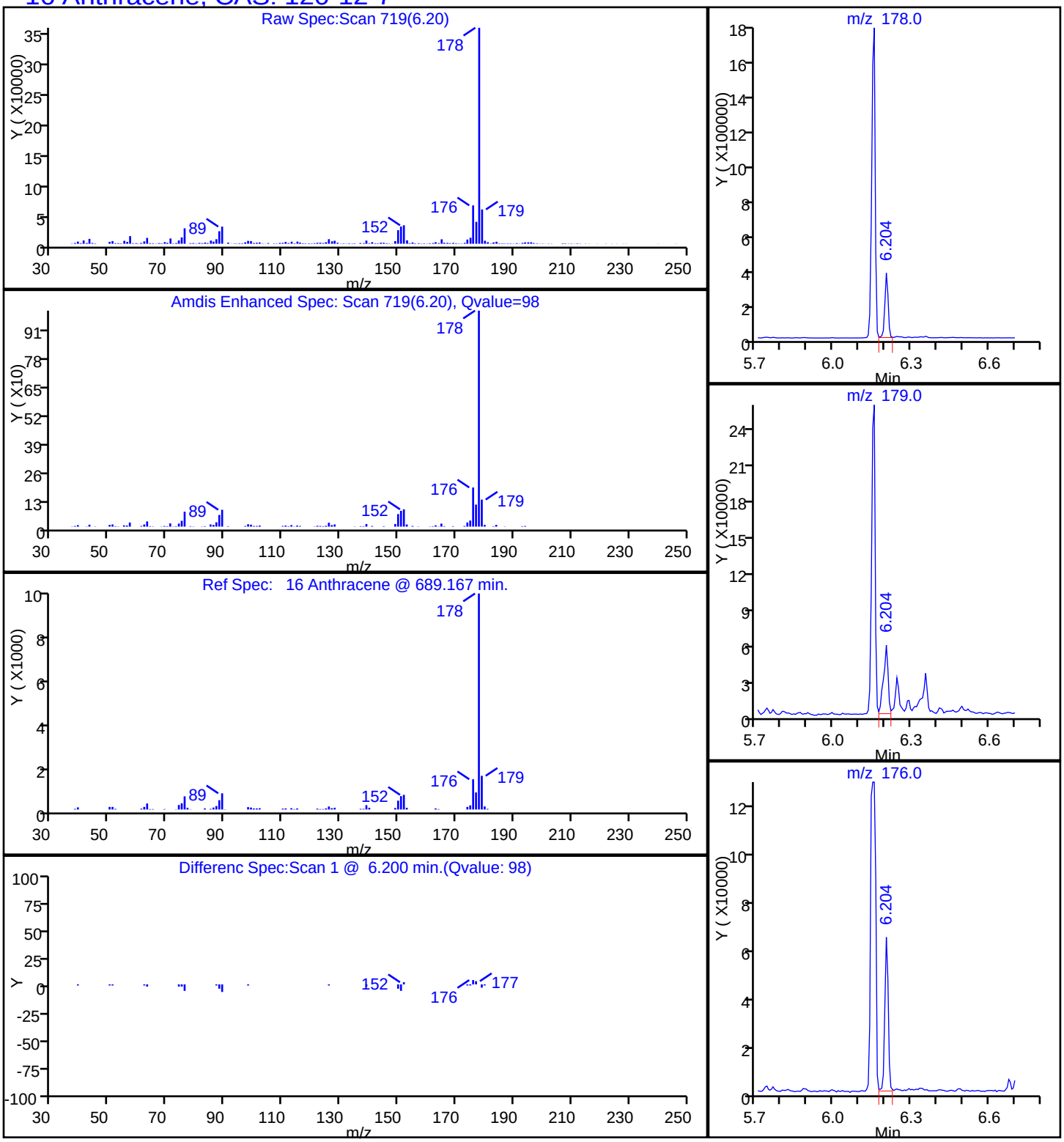


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

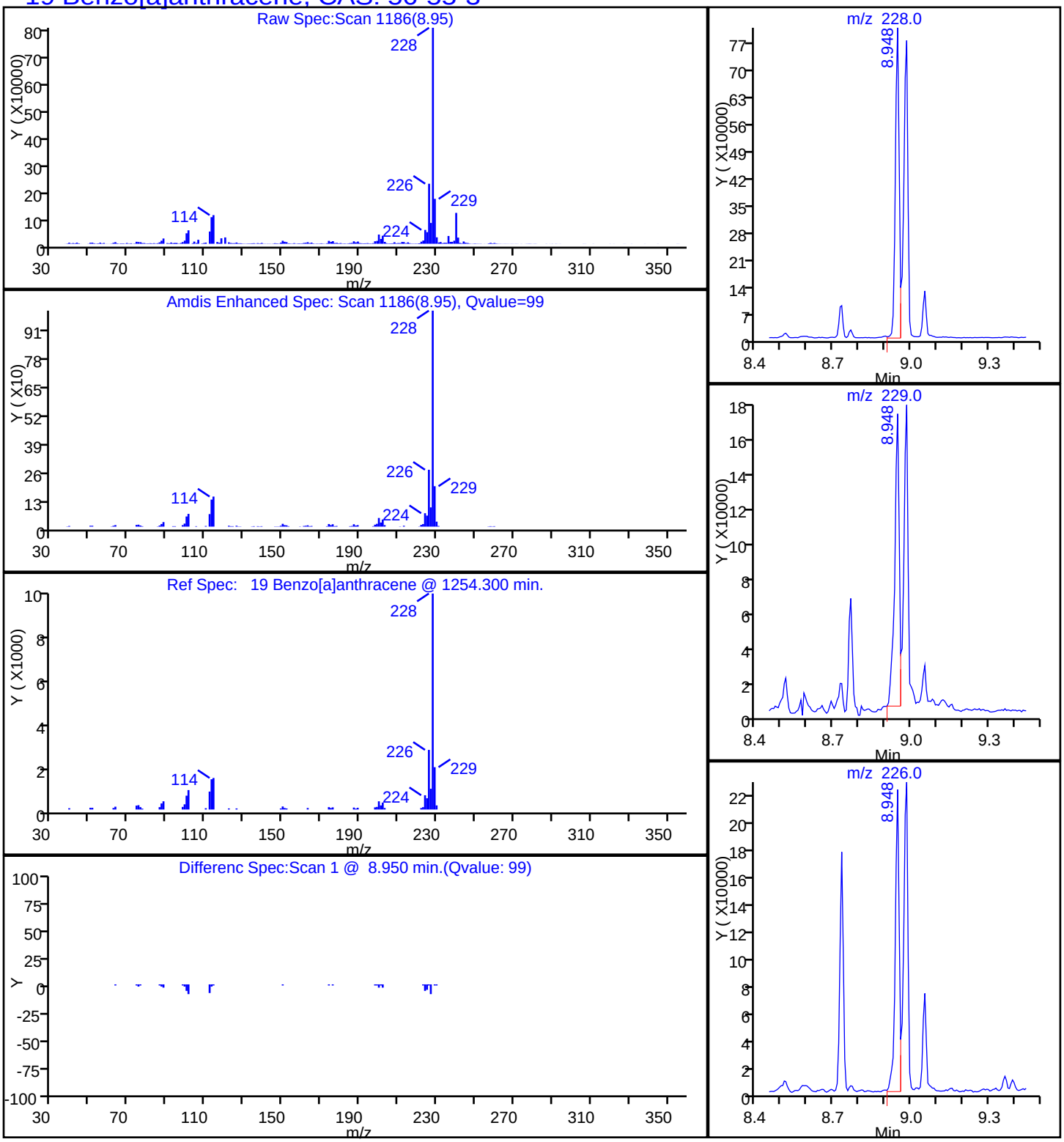


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

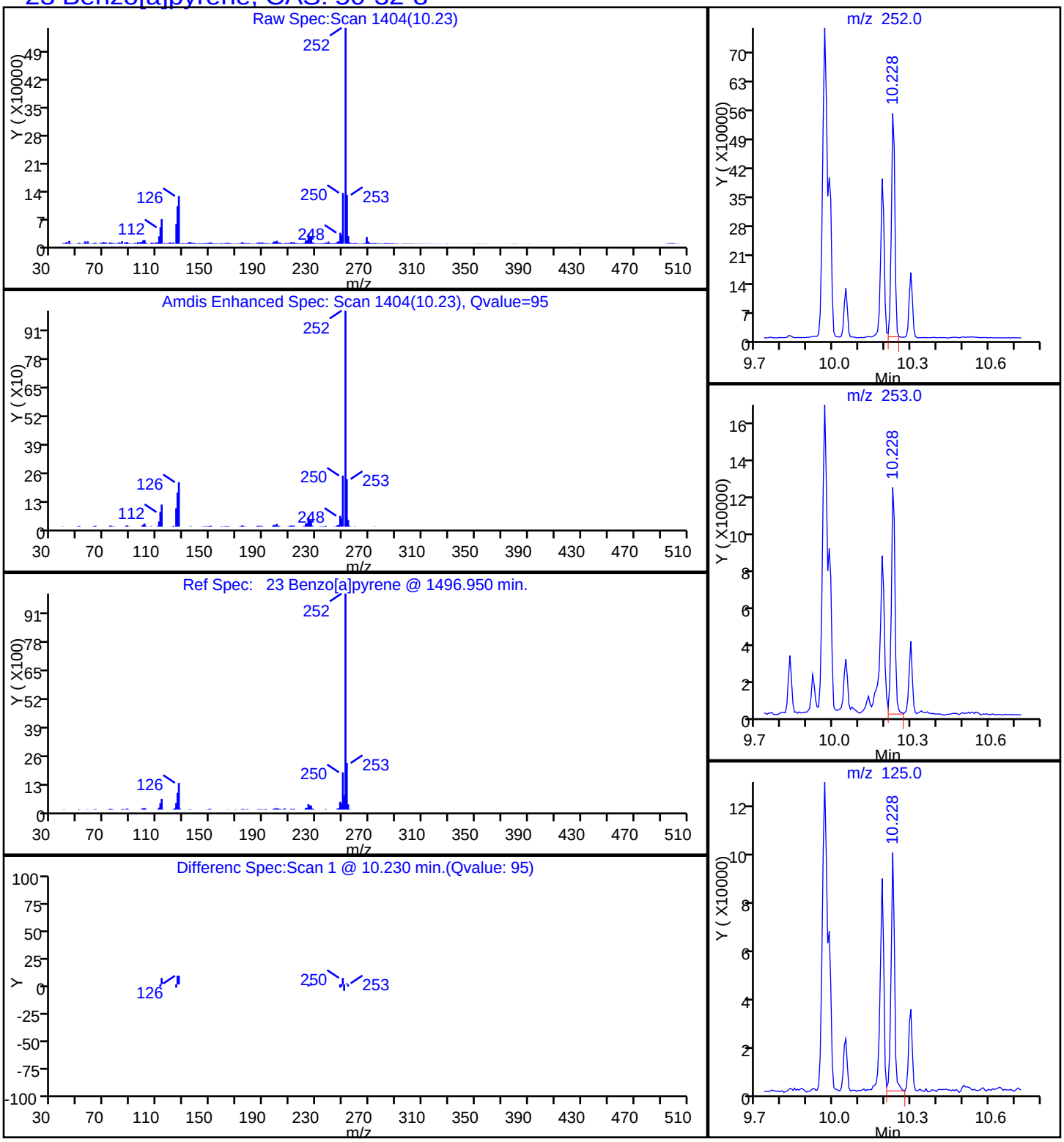


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

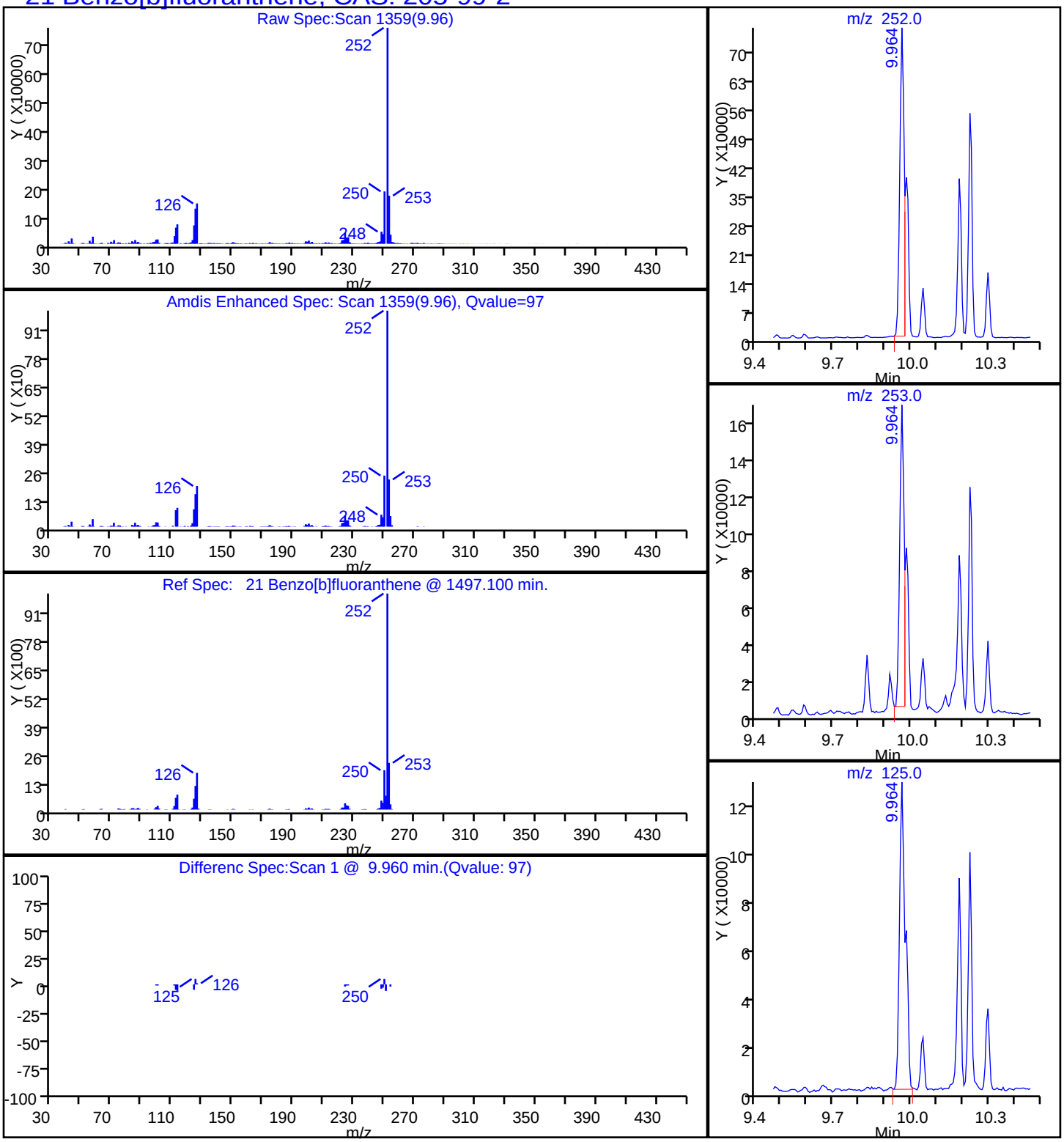


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

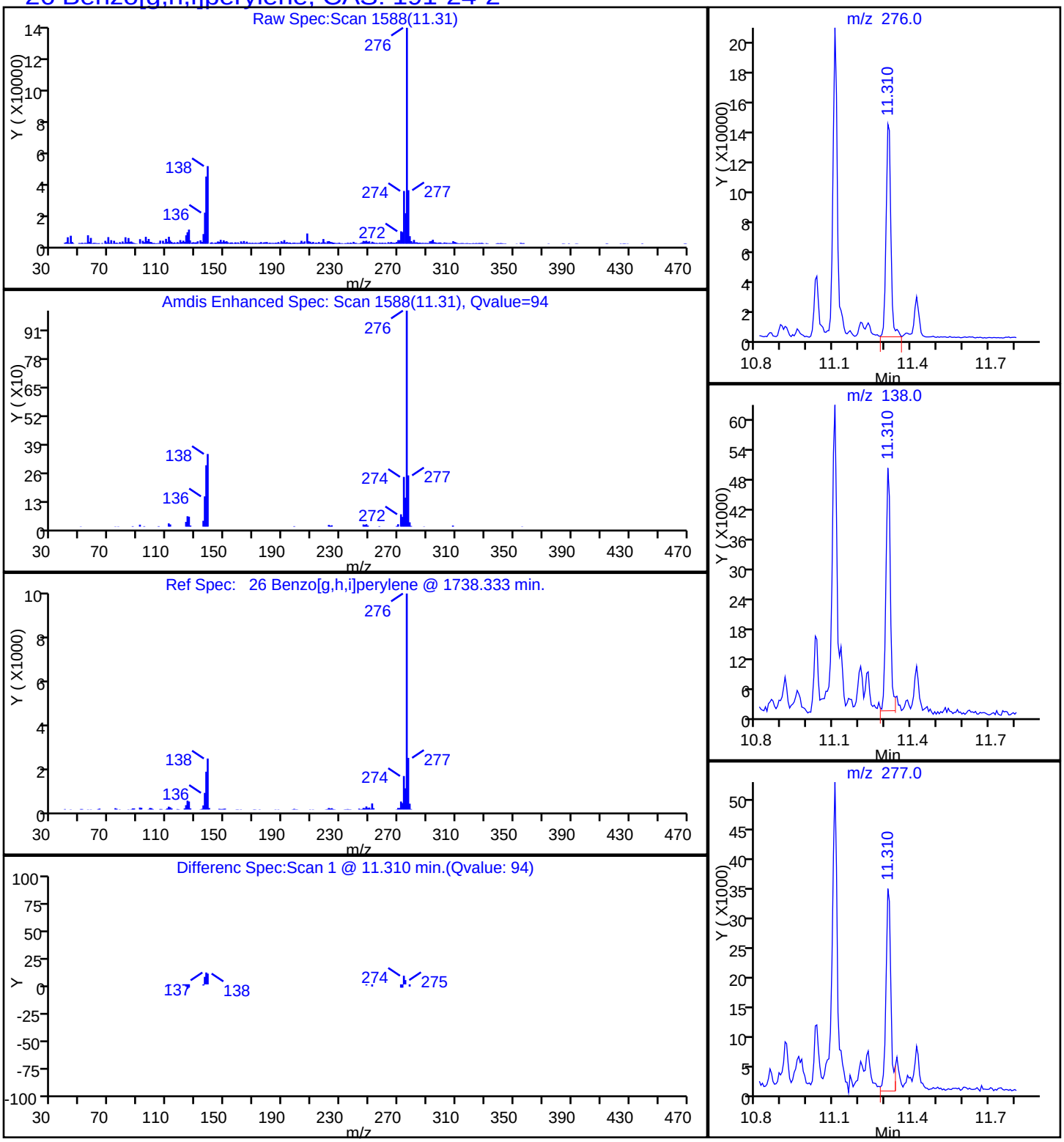


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

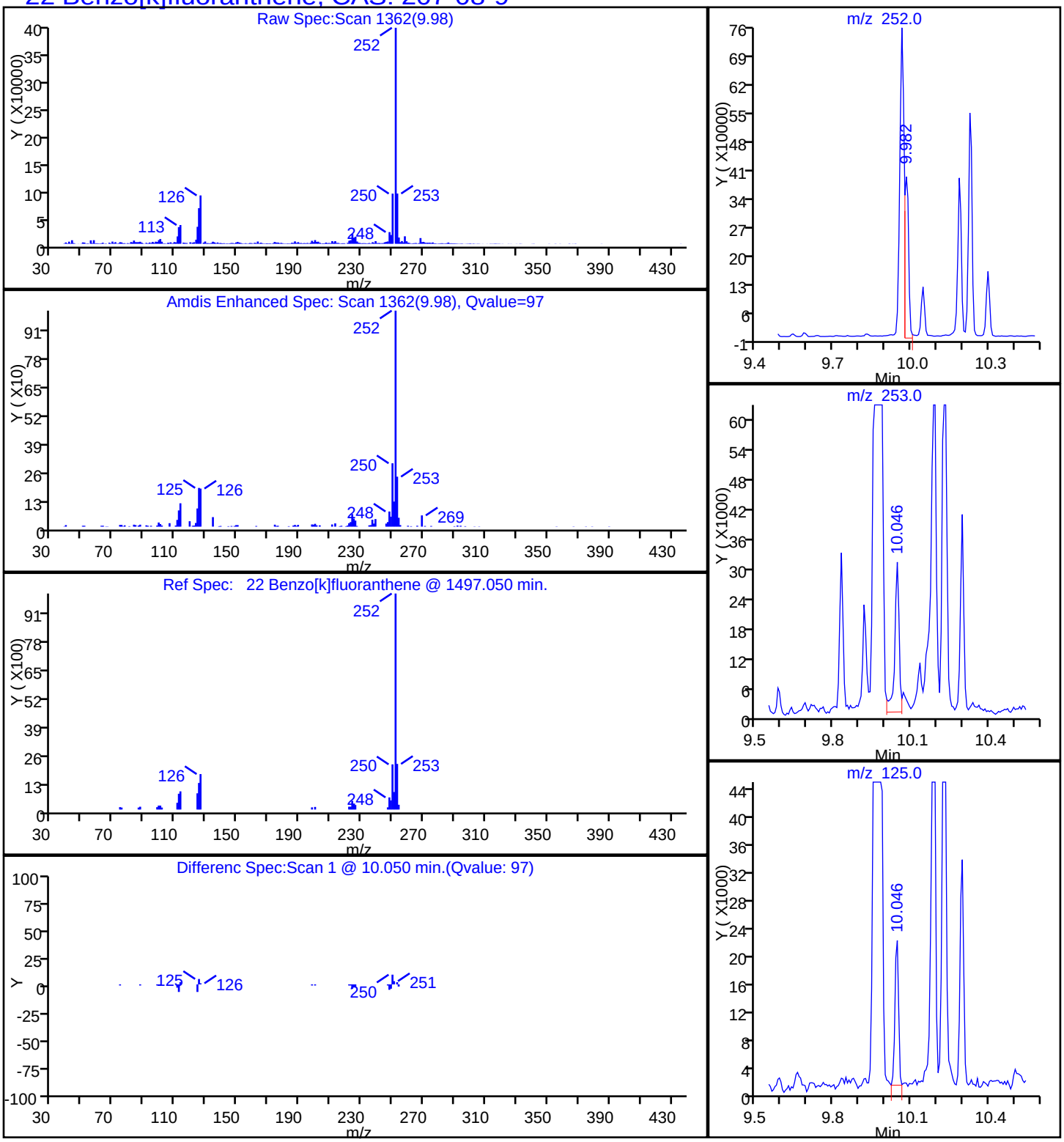


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

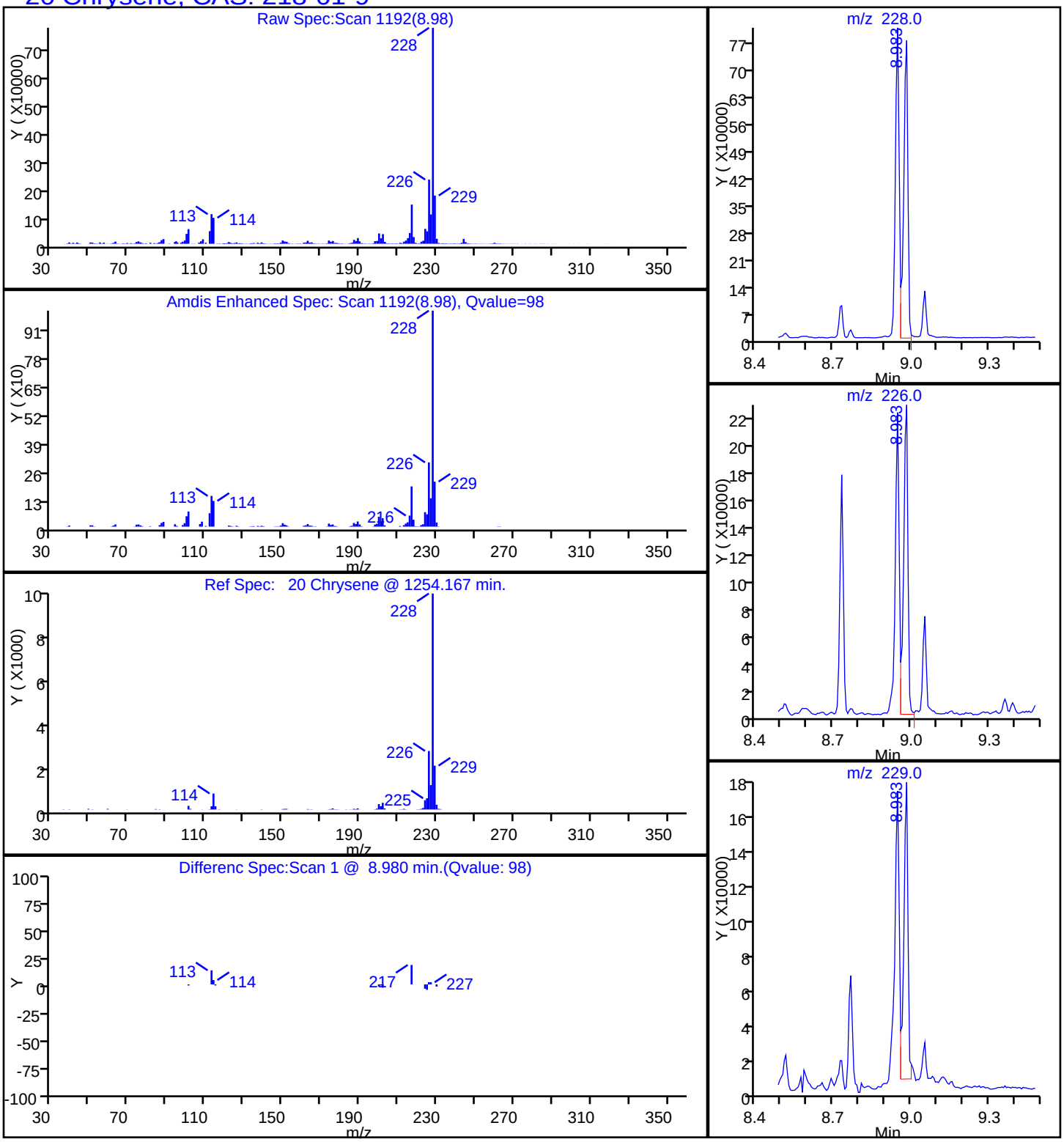


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

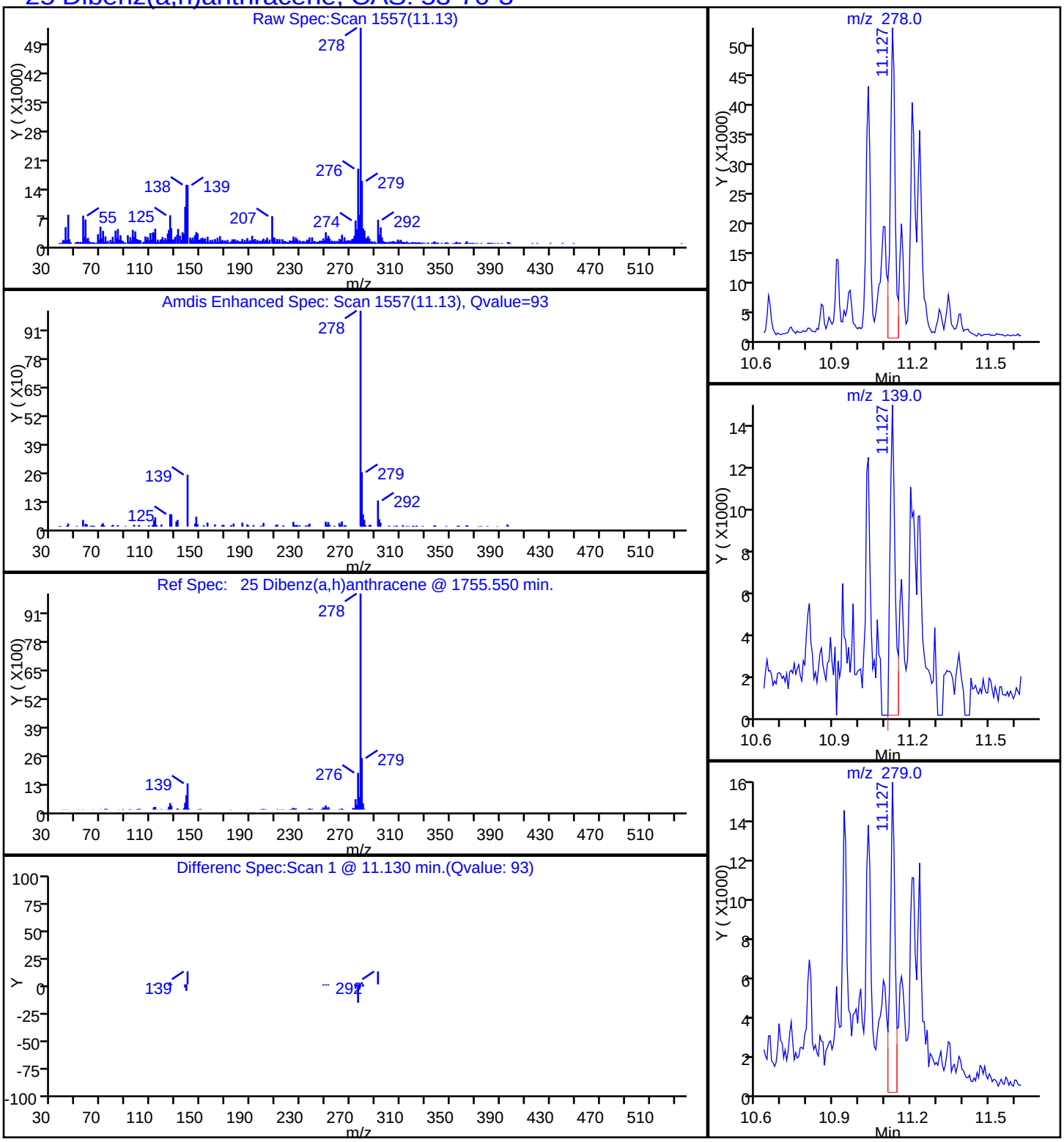


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

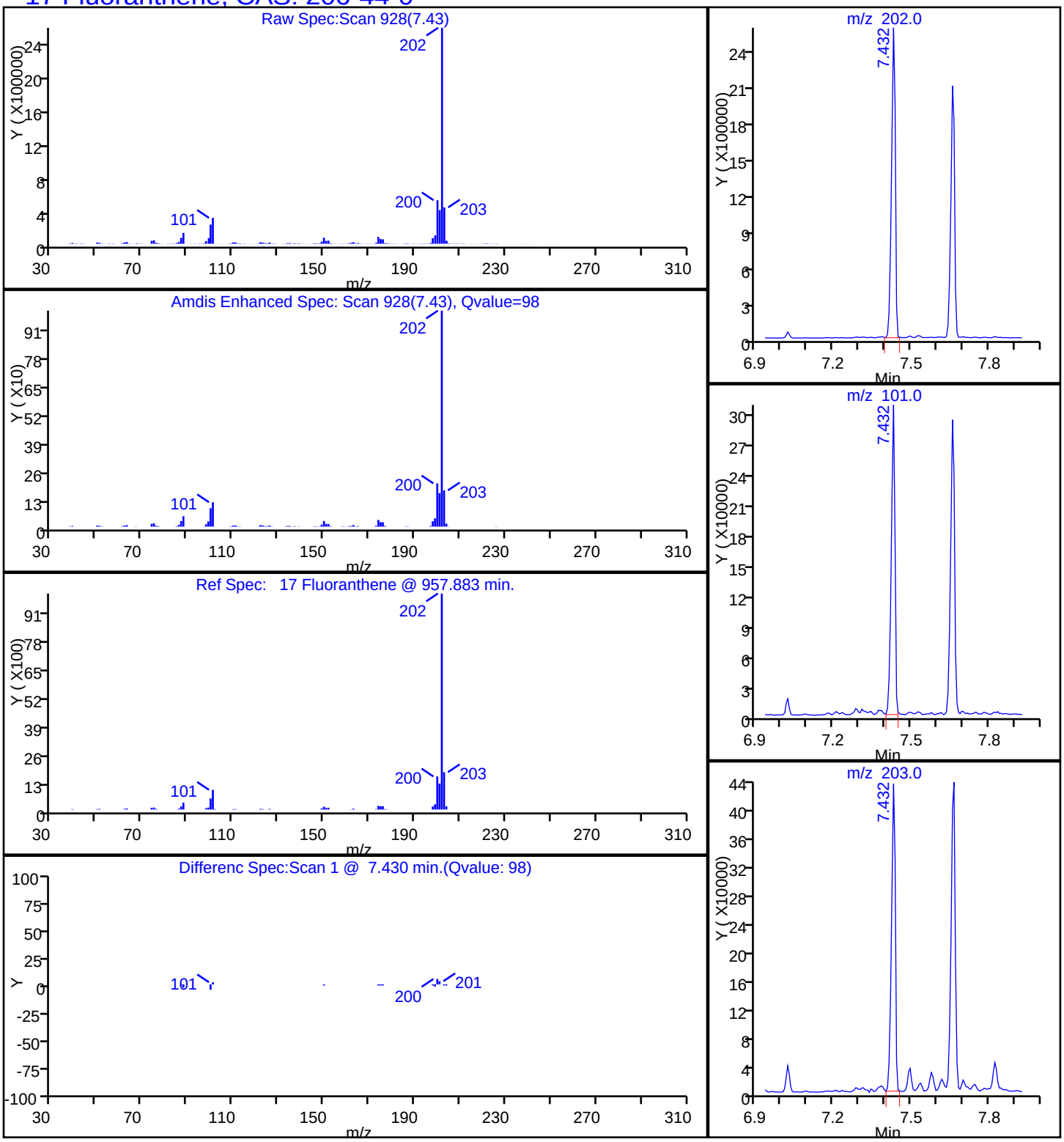


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

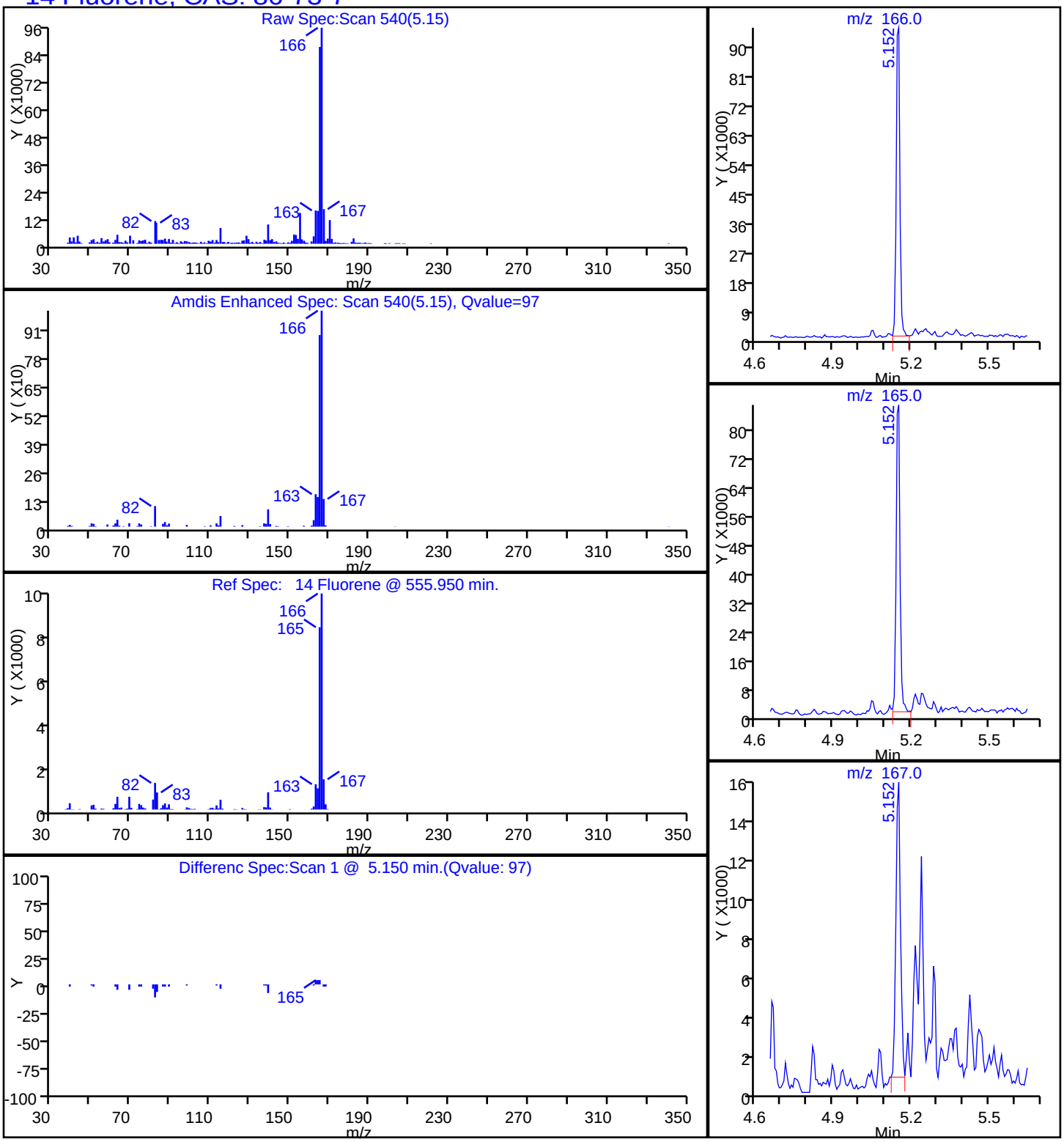


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7

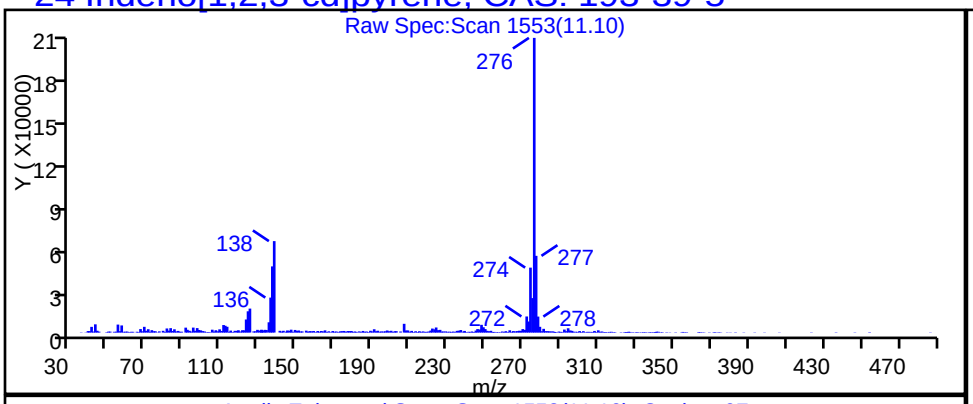


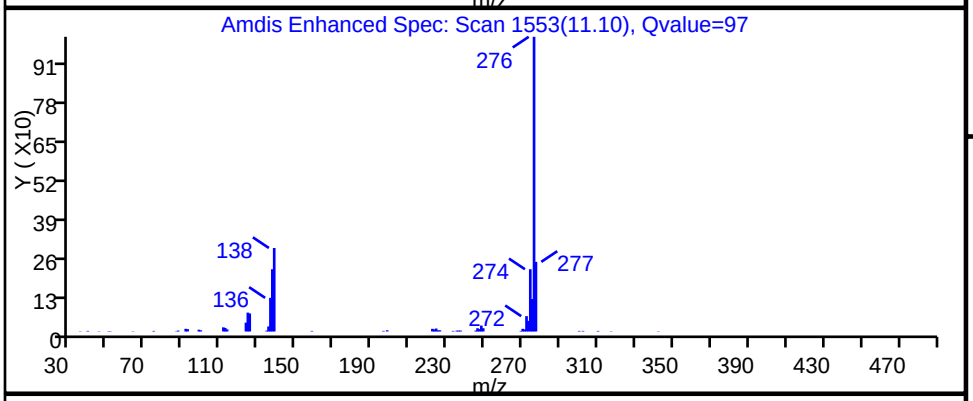
Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

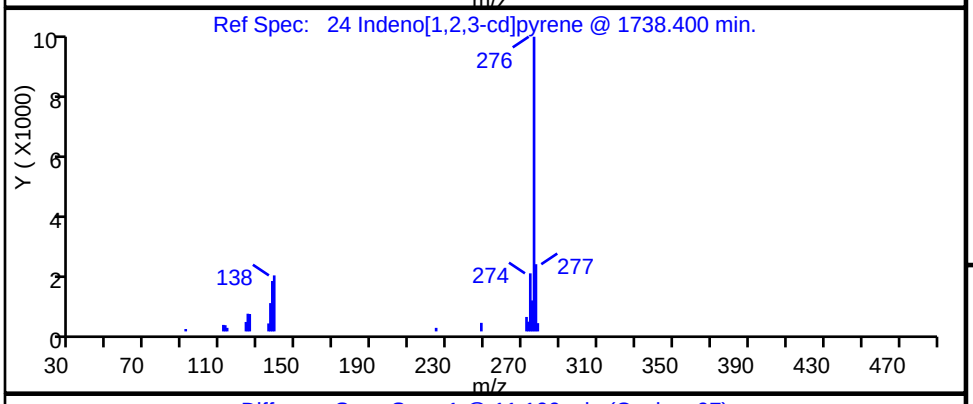
TestAmerica Savannah

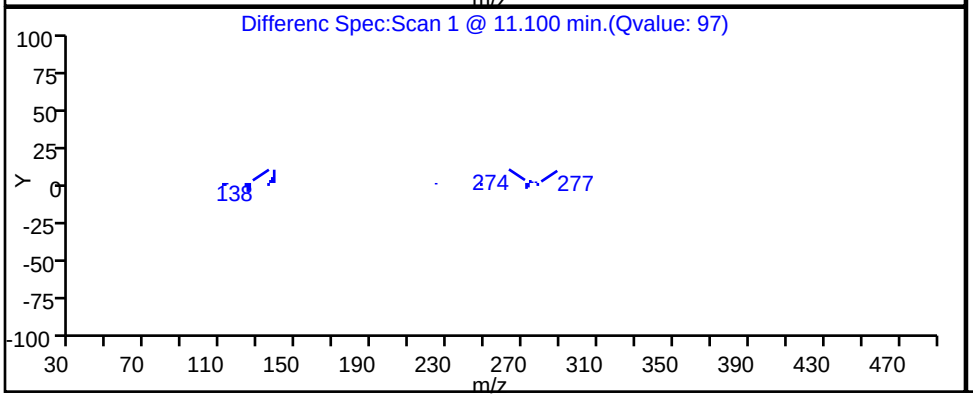
Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

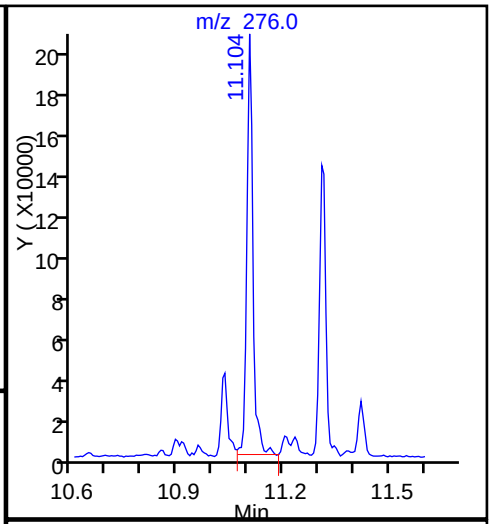
24 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

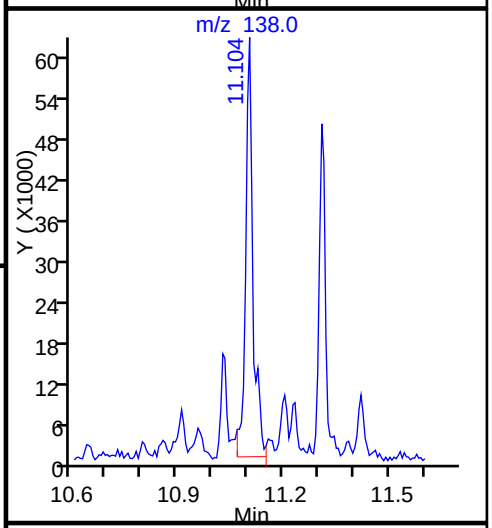


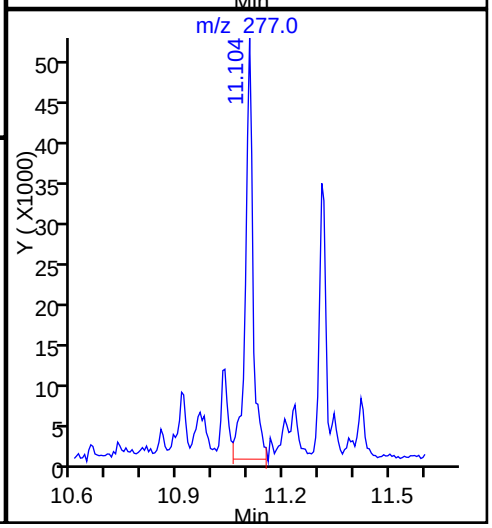










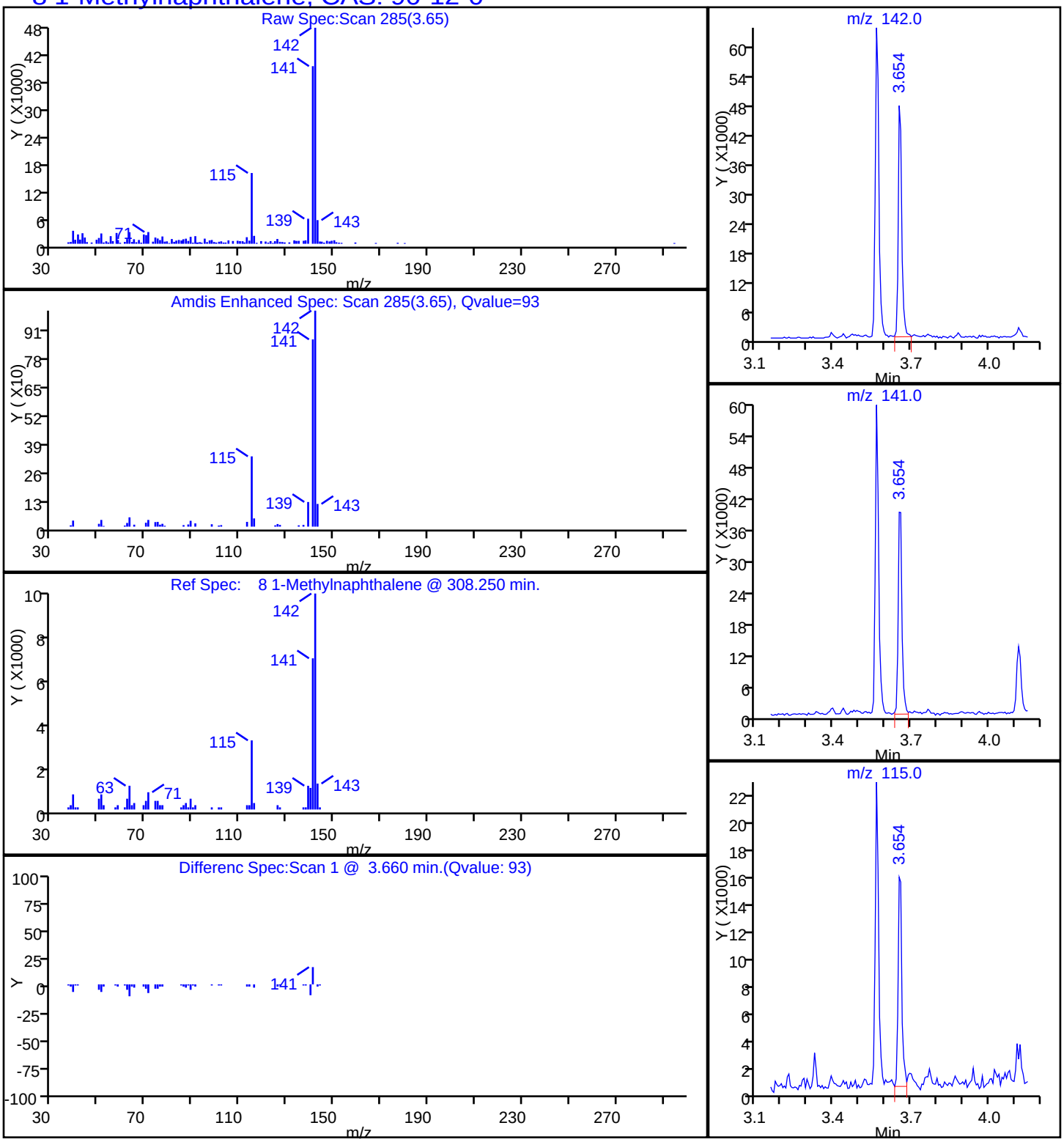


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

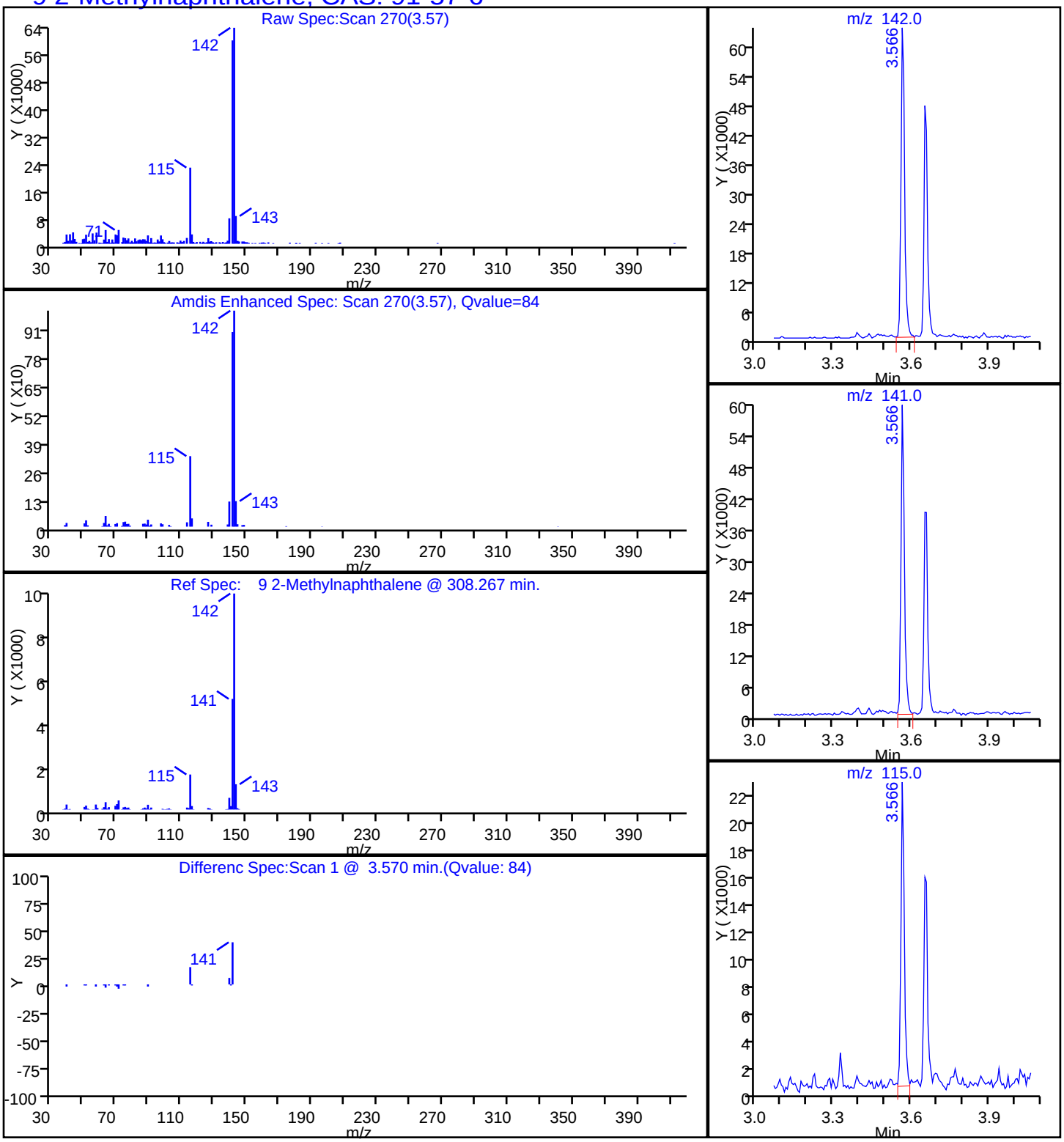


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

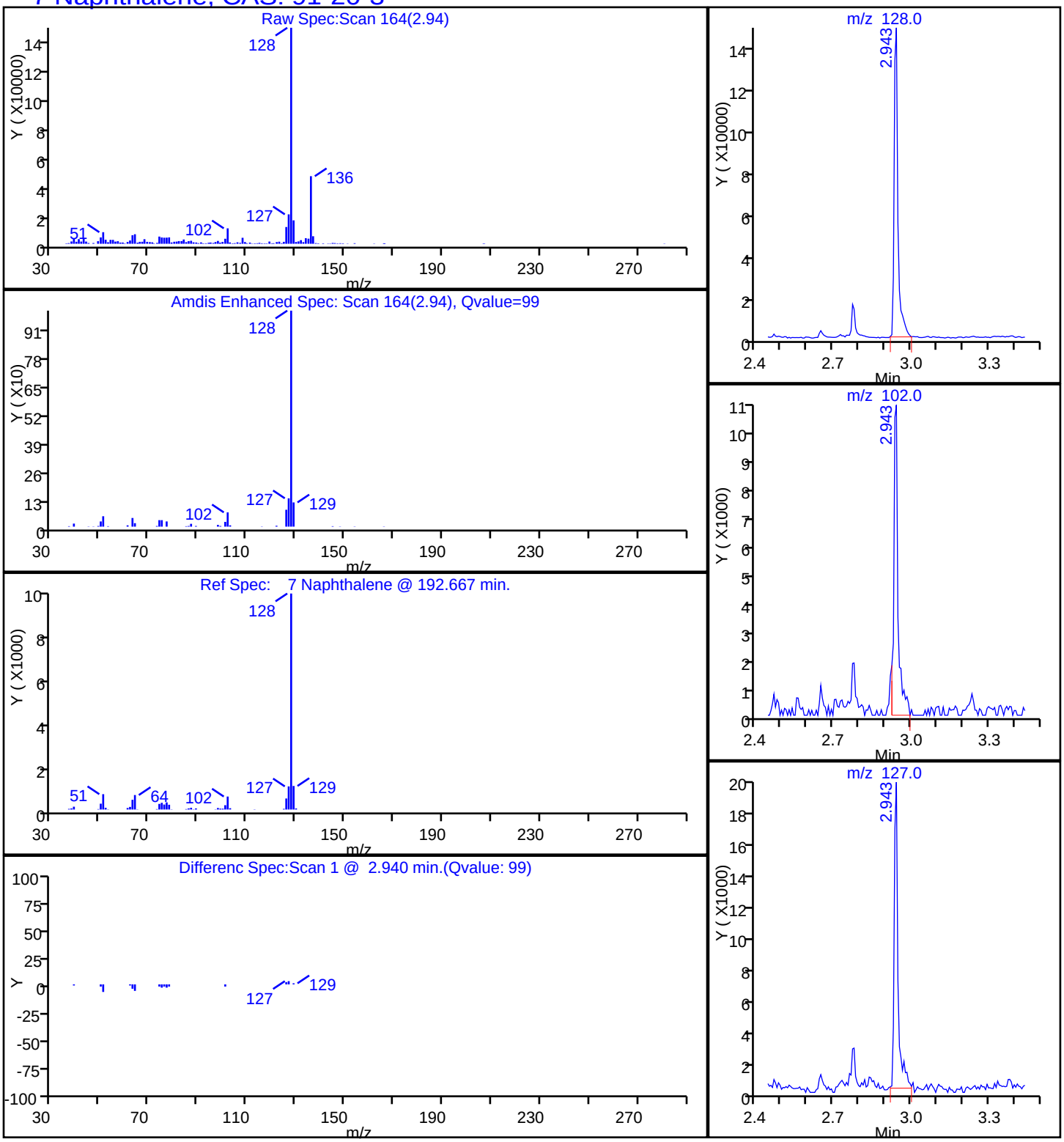


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

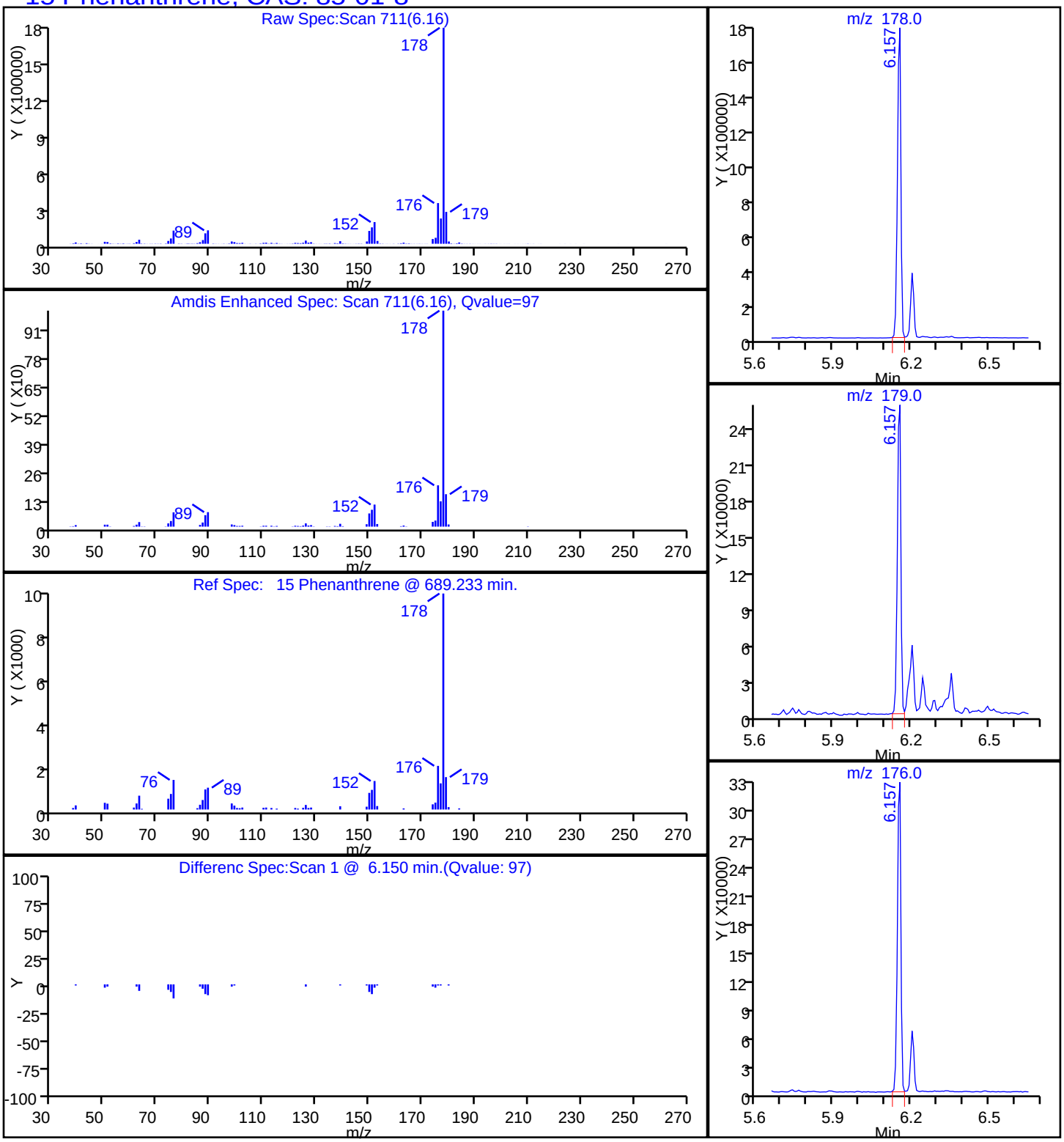


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

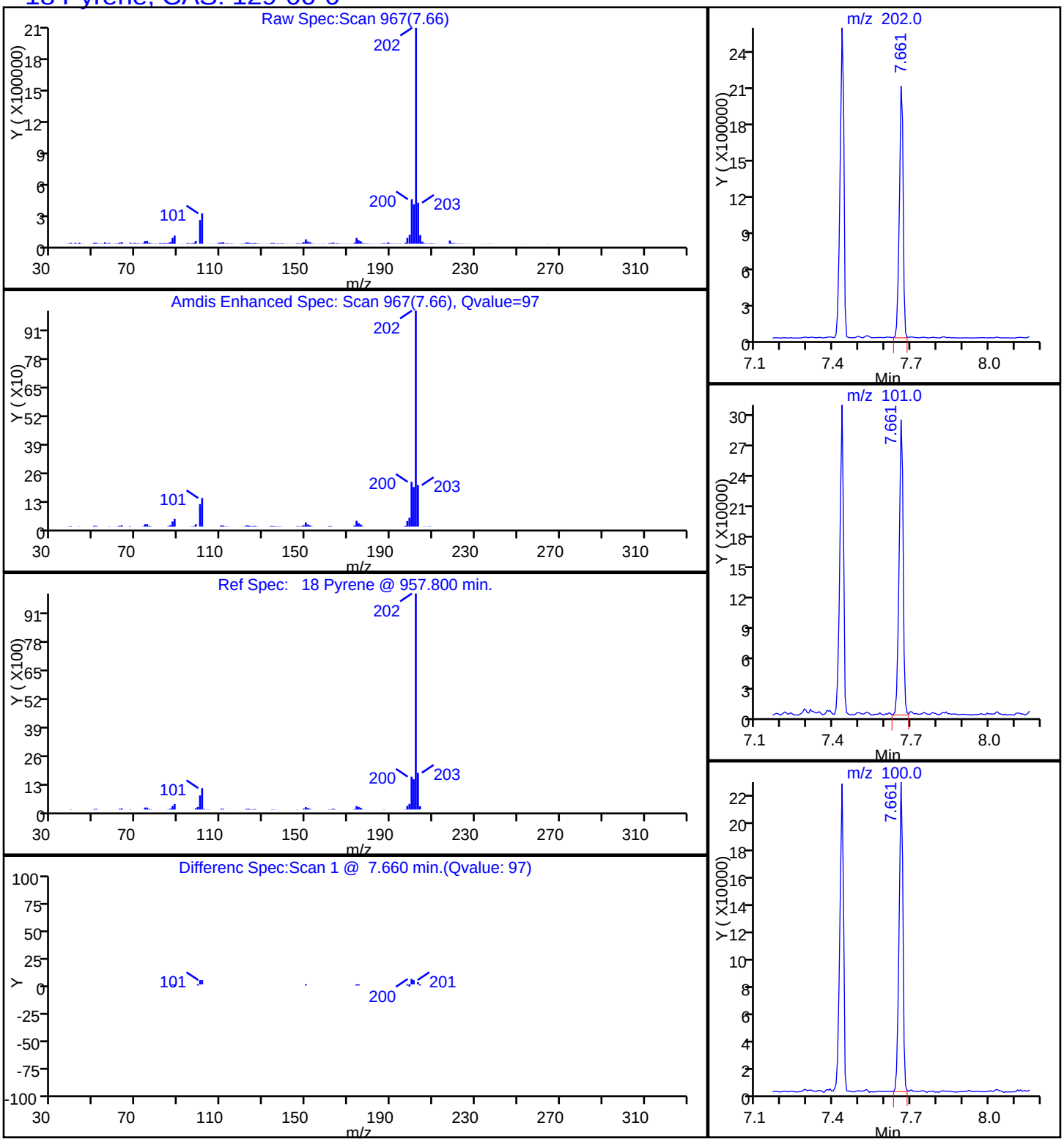


Report Date: 17-Oct-2014 14:56:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

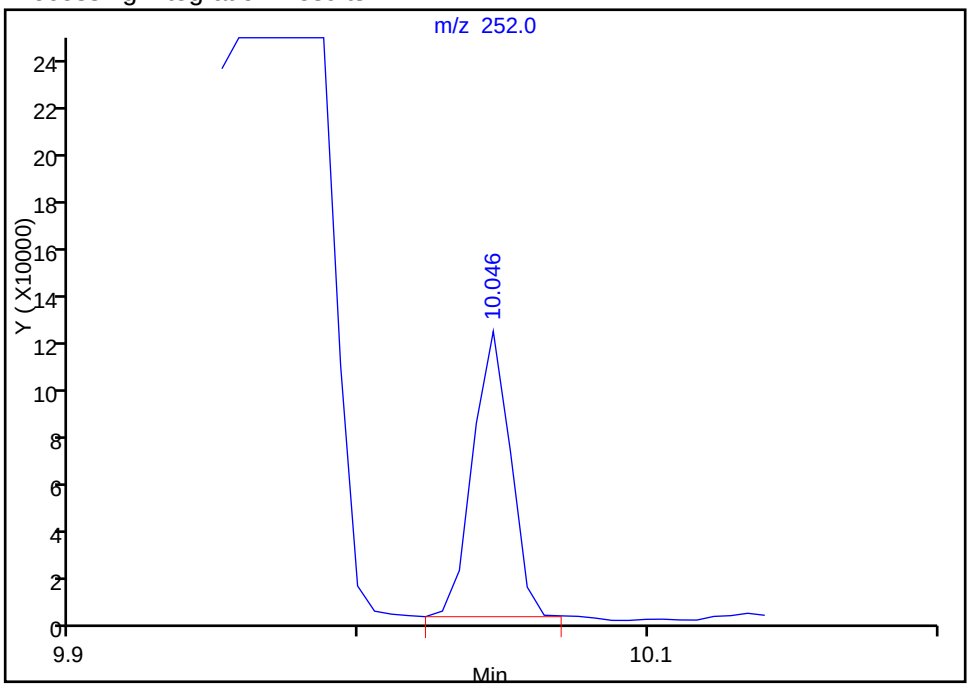
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1711.D				
Injection Date:	17-Oct-2014 14:31:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-36-A	Lab Sample ID:	680-106200-36		
Client ID:	CV0739A-CS6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	20.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

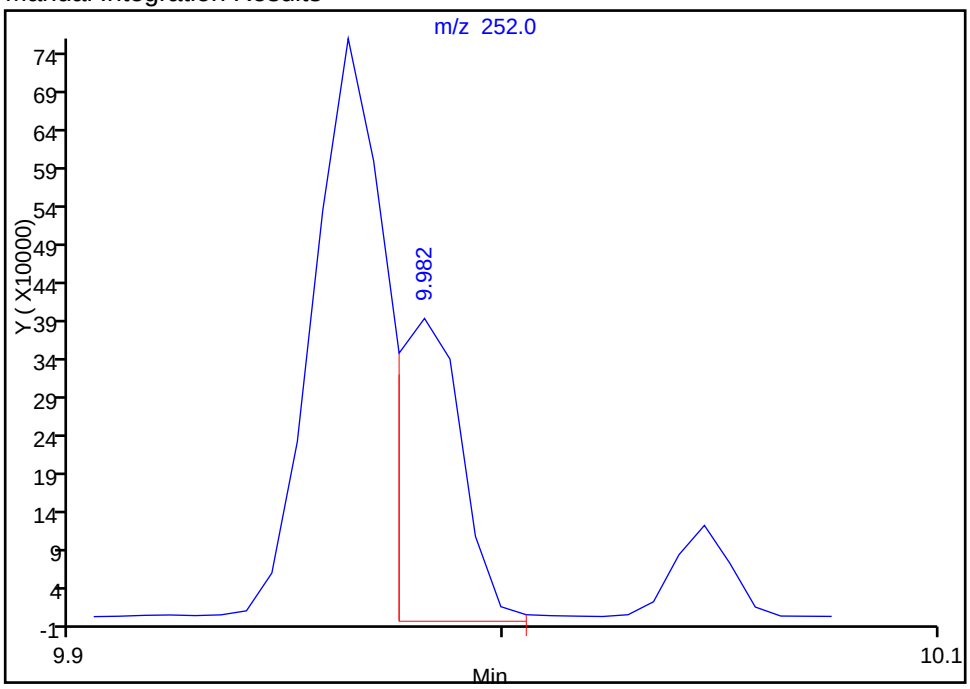
Processing Integration Results

RT: 10.05
Response: 106622
Amount: 0.983195



Manual Integration Results

RT: 9.98
Response: 429883
Amount: 3.964088



Reviewer: webbk, 17-Oct-2014 14:53:09
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0739A-CS12 | Lab Sample ID: 680-106200-37

Matrix: Solid | Lab File ID: 1KJ1715.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 14:00

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 29.99(g) | Date Analyzed: 10/17/2014 16:03

Con. Extract Vol.: 1(mL) | Dilution Factor: 50

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 6.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354071 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	230	J	360	180
208-96-8	Acenaphthylene	2400		360	180
120-12-7	Anthracene	3000		360	180
56-55-3	Benzo[a]anthracene	6600		360	180
50-32-8	Benzo[a]pyrene	3600		360	64
205-99-2	Benzo[b]fluoranthene	6800		360	180
191-24-2	Benzo[g,h,i]perylene	970		360	180
207-08-9	Benzo[k]fluoranthene	2600		360	110
218-01-9	Chrysene	6800		360	180
53-70-3	Dibenz(a,h)anthracene	480		360	180
206-44-0	Fluoranthene	16000		360	180
86-73-7	Fluorene	1900		360	180
193-39-5	Indeno[1,2,3-cd]pyrene	970		360	180
90-12-0	1-Methylnaphthalene	780		360	170
91-57-6	2-Methylnaphthalene	1200		360	180
91-20-3	Naphthalene	3300		360	180
85-01-8	Phenanthrene	12000		360	130
129-00-0	Pyrene	10000		360	180

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Sample Type:	Client				
Inject. Date:	17-Oct-2014 16:03:30	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Sample Info:	680-106200-A-37-A 1:50				
Misc. Info.:	680-0013846-015				
Operator ID:	RM	Instrument ID:	CMSK		
Method:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	20-Oct-2014 08:58:28	Calib Date:	07-Oct-2014 17:04:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK024				

First Level Reviewer: webbk Date: 20-Oct-2014 08:58:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.925	2.925	0.000	98	466218	2.00	
* 2 Acenaphthene-d10	164	4.582	4.582	0.000	91	236102	2.00	
* 3 Phenanthrene-d10	188	6.127	6.127	0.000	98	324289	2.00	
* 4 Chrysene-d12	240	8.953	8.954	-0.001	99	235504	2.00	
* 5 Perylene-d12	264	10.275	10.276	-0.001	96	180467	2.00	
7 Naphthalene	128	2.943	2.943	0.000	99	465799	1.85	
9 2-Methylnaphthalene	142	3.565	3.566	-0.001	87	103119	0.6948	
8 1-Methylnaphthalene	142	3.654	3.660	-0.006	91	60098	0.4372	
11 Acenaphthylene	152	4.435	4.435	0.000	97	300172	1.33	
12 Acenaphthene	153	4.611	4.617	-0.006	96	19287	0.1313	
14 Fluorene	166	5.146	5.152	-0.006	96	147428	1.04	
15 Phenanthrene	178	6.151	6.151	0.000	97	1310636	6.84	
16 Anthracene	178	6.204	6.204	0.000	99	301246	1.70	
17 Fluoranthene	202	7.432	7.426	0.006	98	1652650	9.04	
18 Pyrene	202	7.661	7.655	0.006	97	1116299	5.62	
19 Benzo[a]anthracene	228	8.947	8.942	0.005	98	506083	3.72	
20 Chrysene	228	8.977	8.977	0.000	98	512679	3.80	
21 Benzo[b]fluoranthene	252	9.958	9.958	0.000	98	450147	3.81	M
22 Benzo[k]fluoranthene	252	9.982	9.982	0.000	99	164734	1.43	M
23 Benzo[a]pyrene	252	10.228	10.229	-0.001	96	205069	2.02	
24 Indeno[1,2,3-cd]pyrene	276	11.104	11.116	-0.012	98	74901	0.5424	
25 Dibenz(a,h)anthracene	278	11.127	11.145	-0.018	92	27085	0.2686	
26 Benzo[g,h,i]perylene	276	11.309	11.327	-0.018	95	56747	0.5433	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

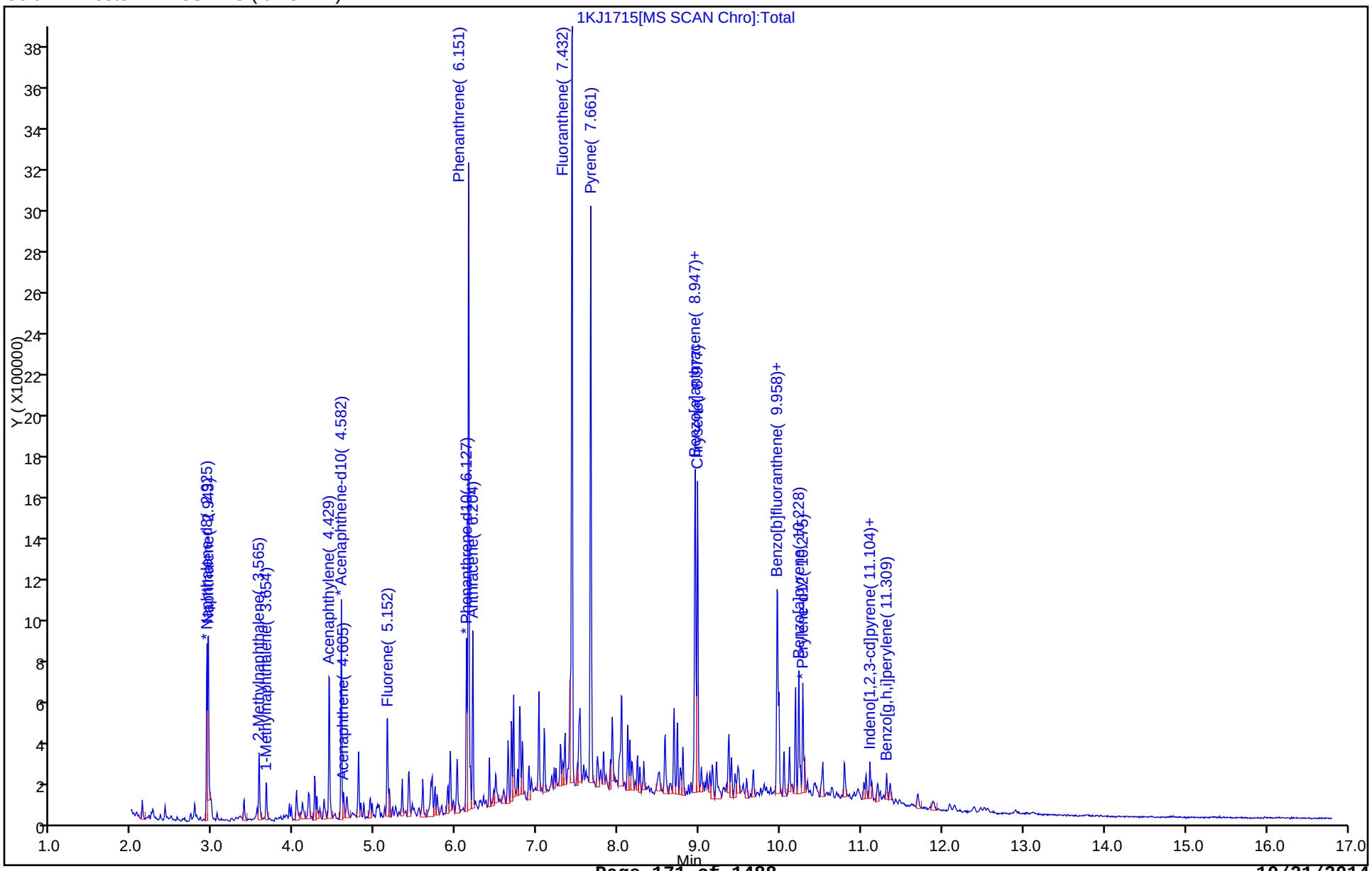
SM-LLISTD_00110 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37	Worklist Smp#:	15
Client ID:	CV0739A-CS12				
Injection Vol:	1.0 ul	Dil. Factor:	50.0000	ALS Bottle#:	14
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

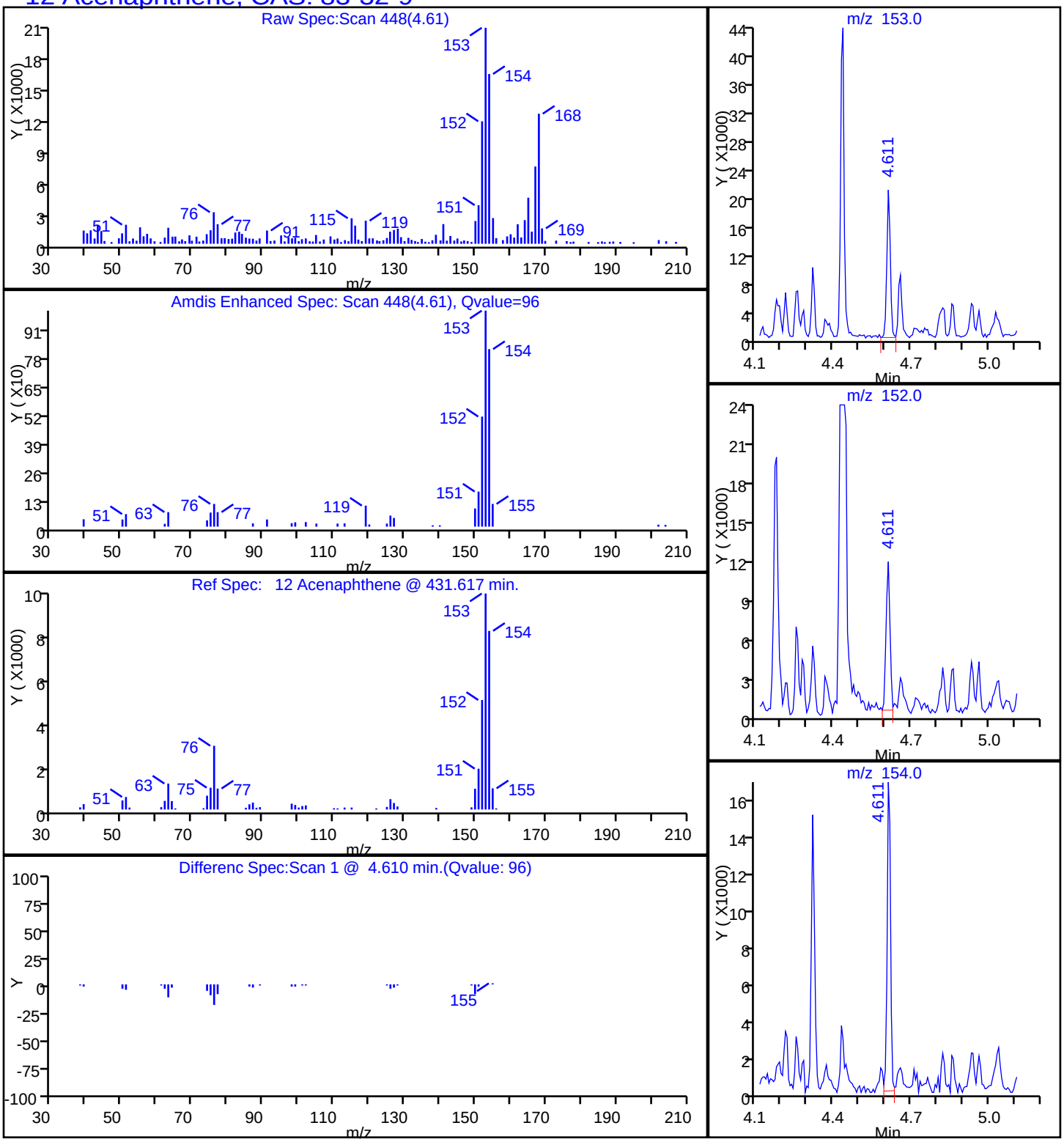


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthene, CAS: 83-32-9

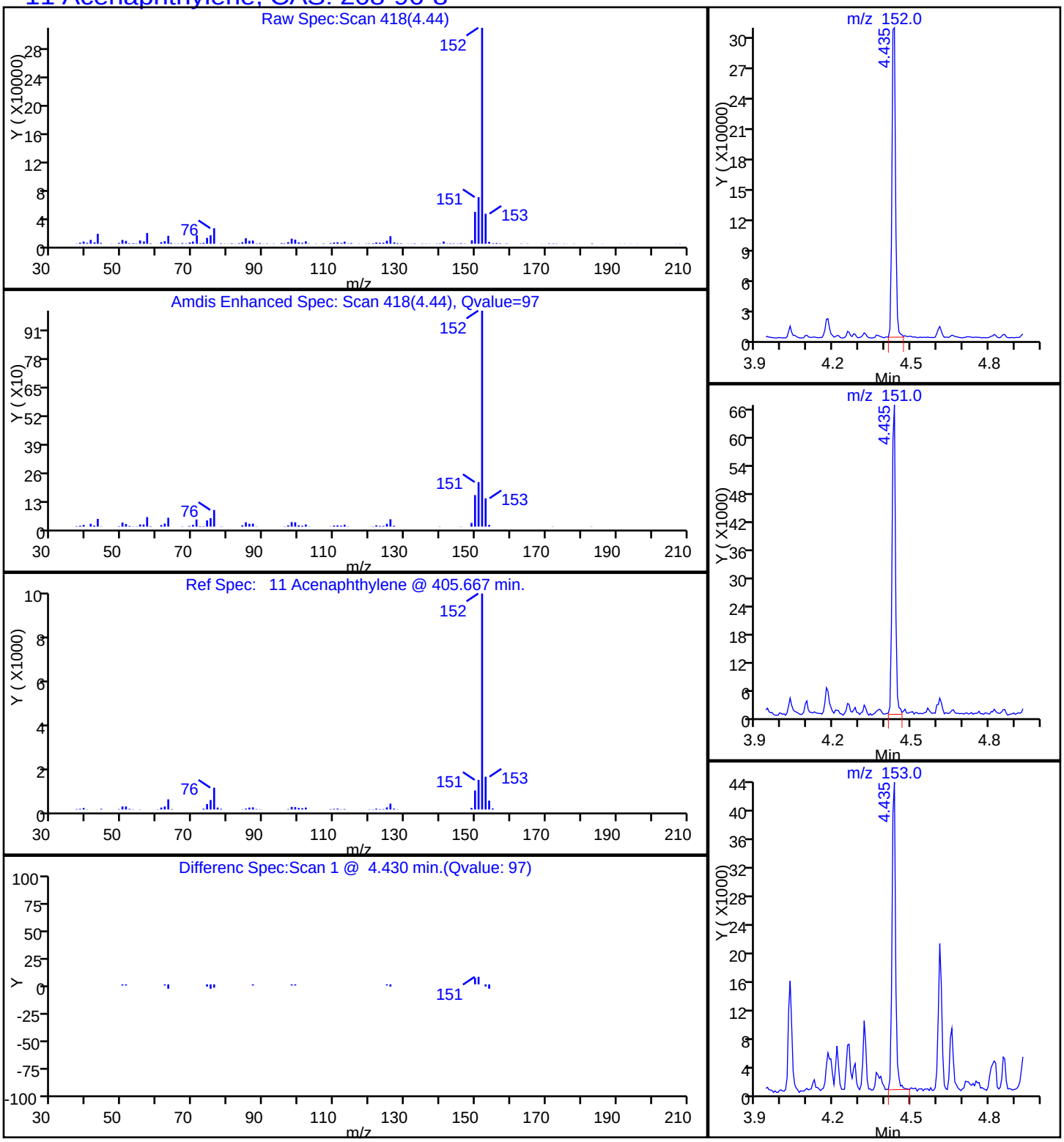


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

11 Acenaphthylene, CAS: 208-96-8

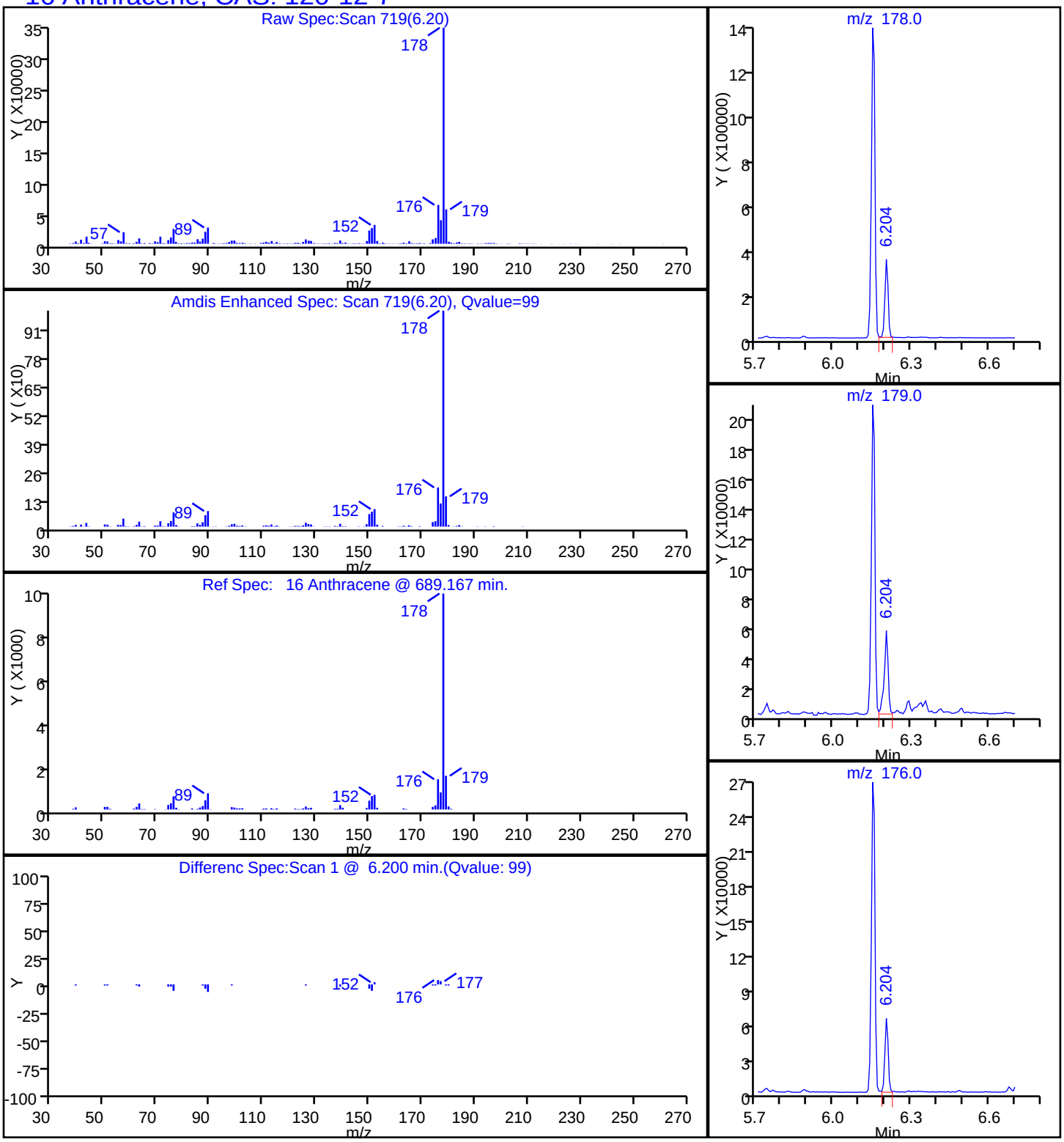


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

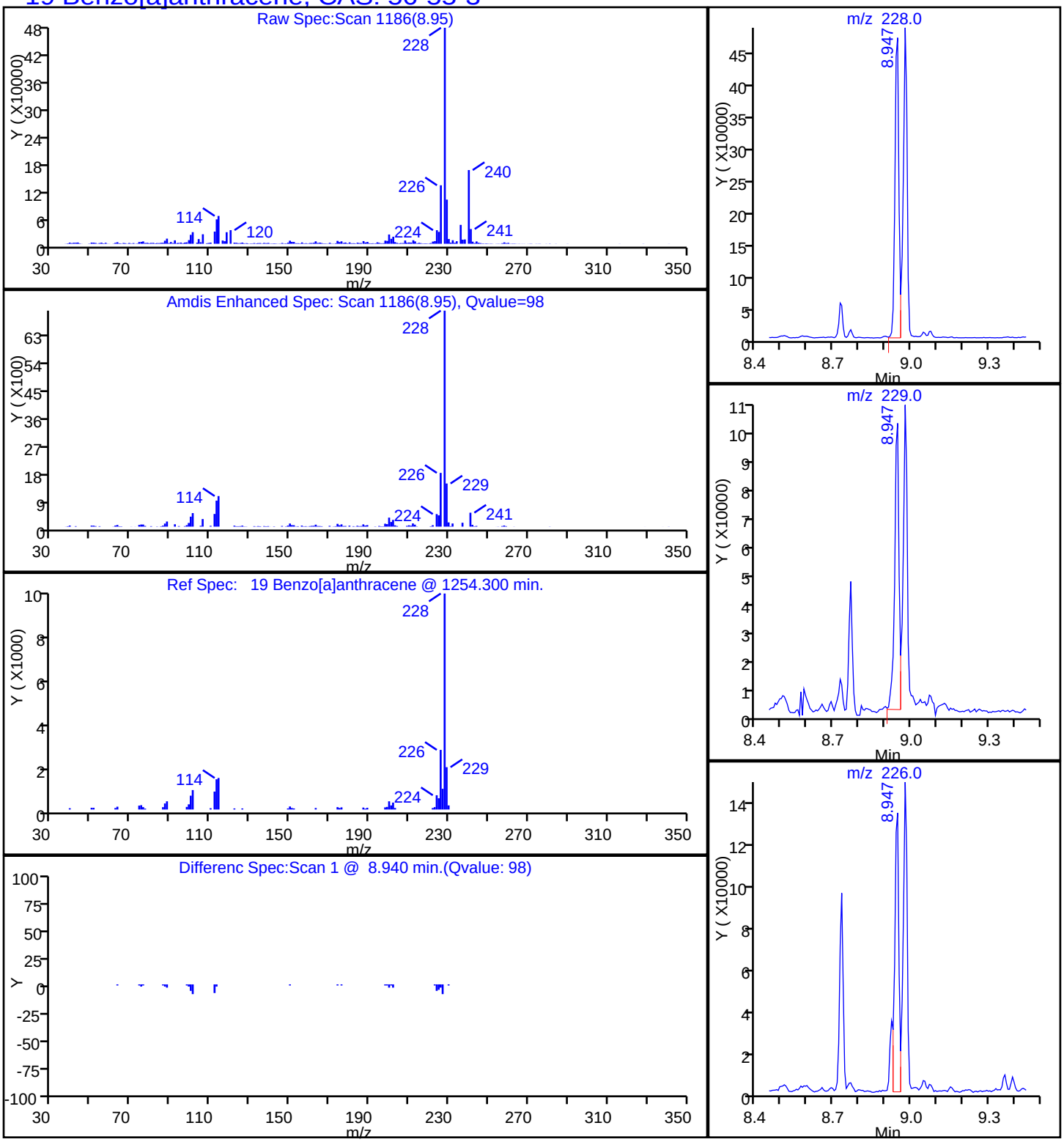


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

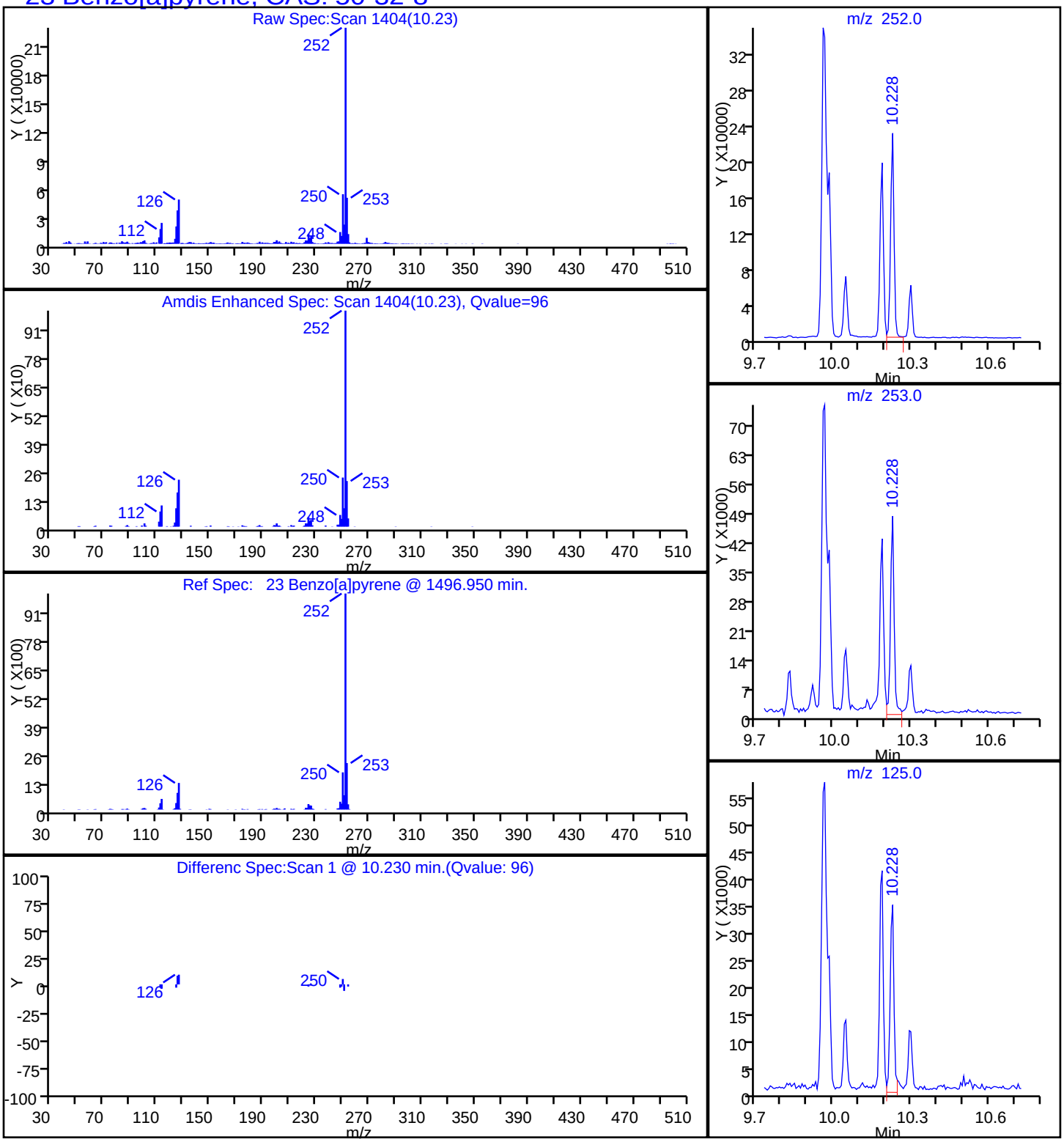


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

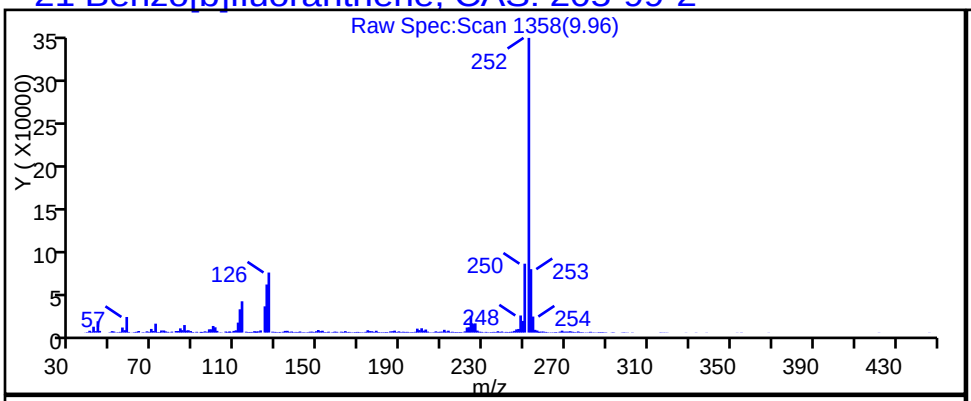


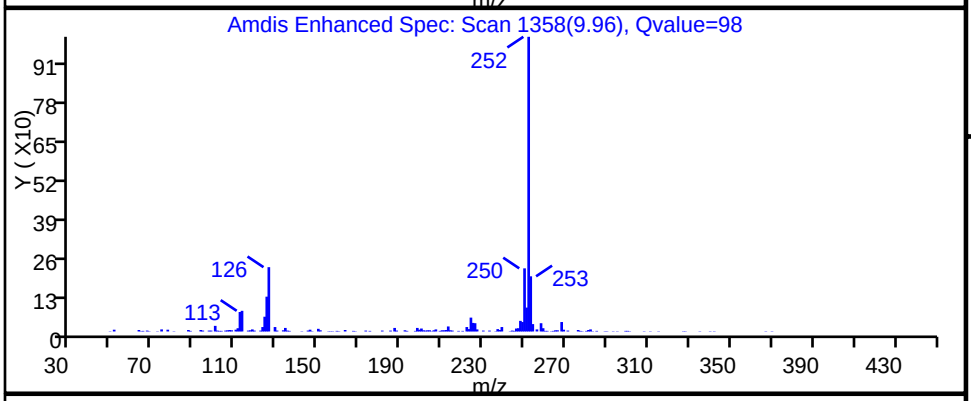
Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

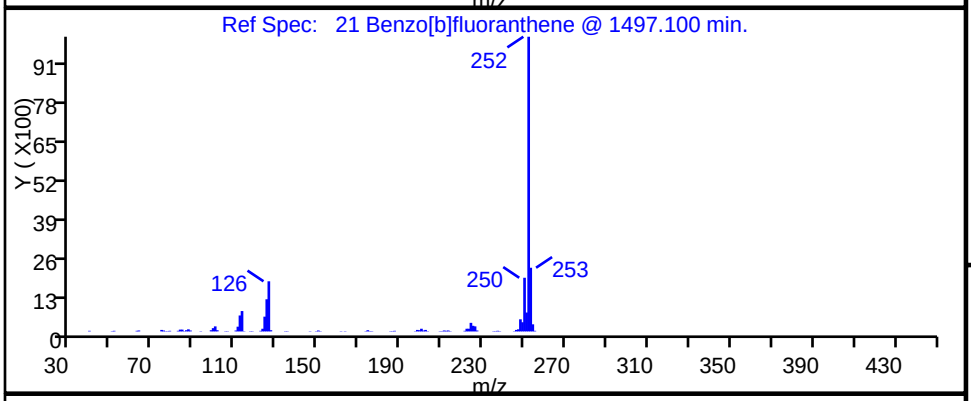
TestAmerica Savannah

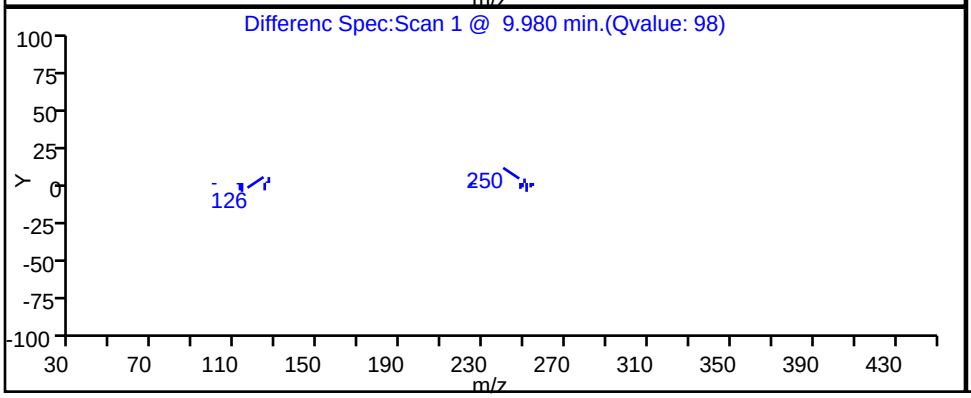
Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

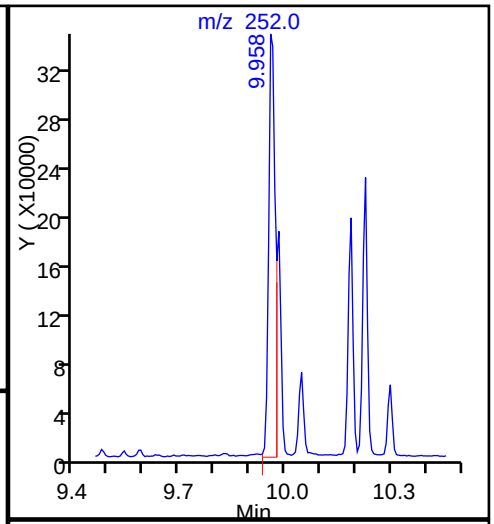
21 Benzo[b]fluoranthene, CAS: 205-99-2

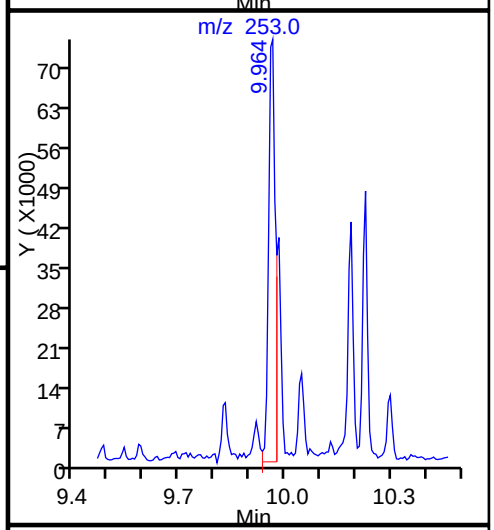


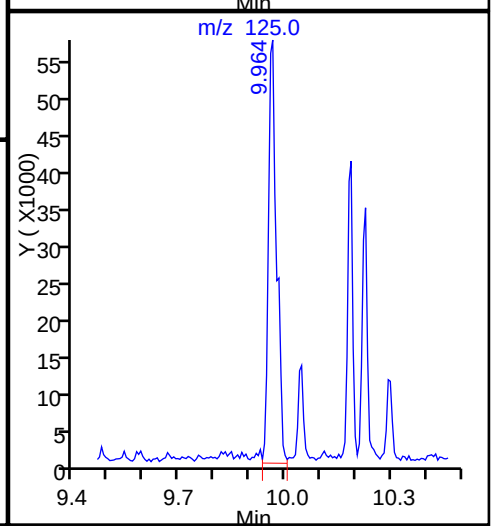










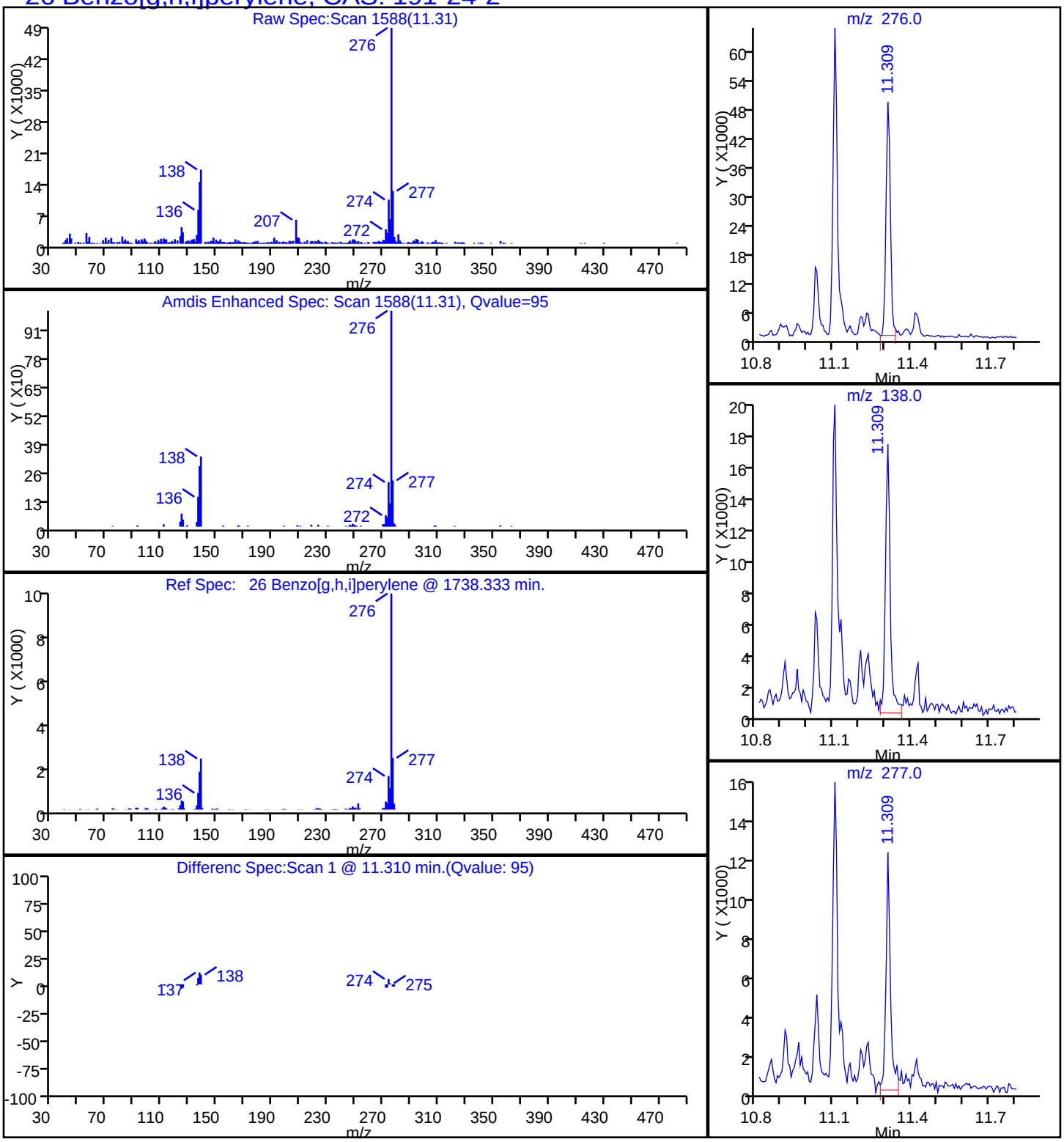


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

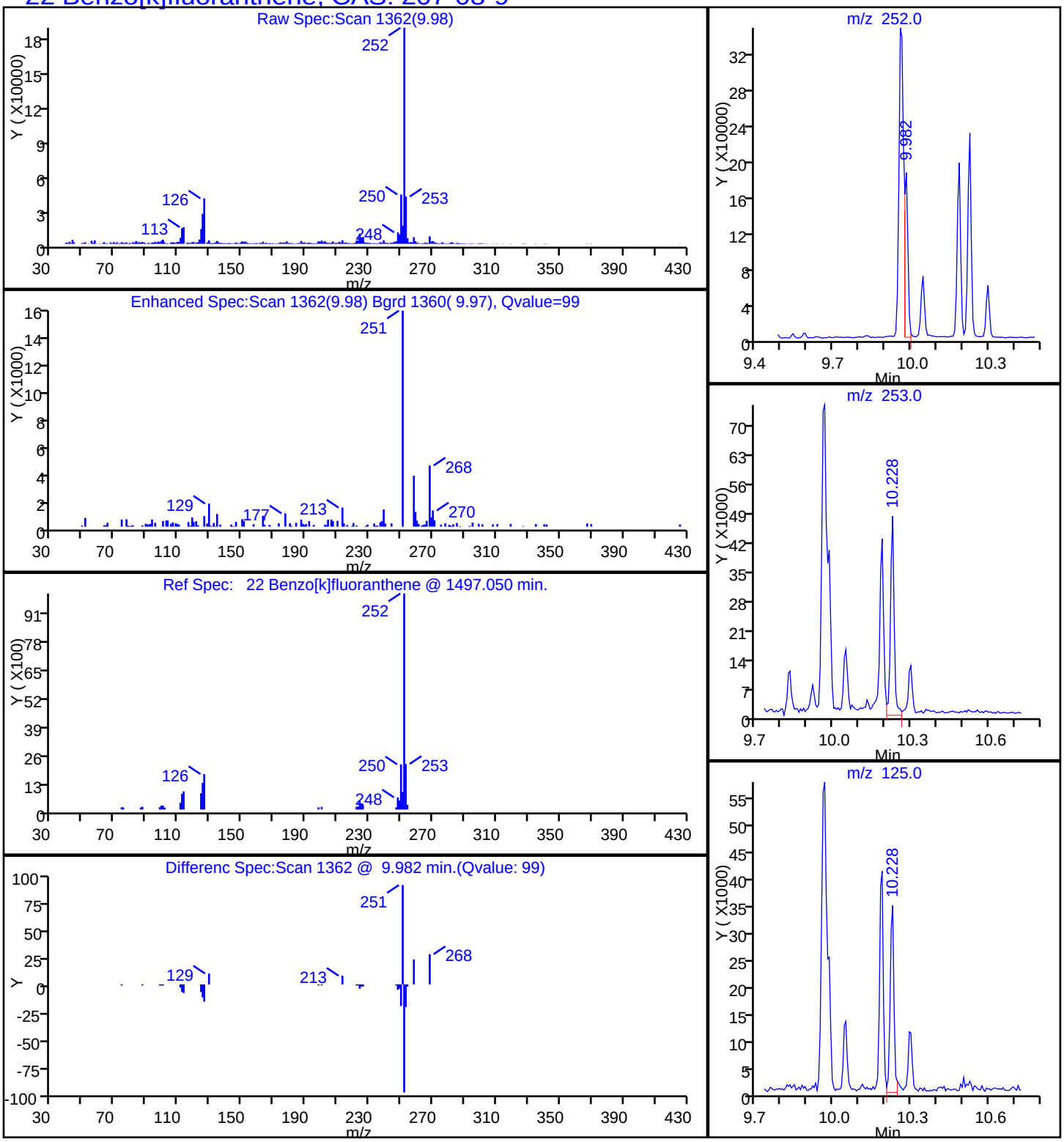


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

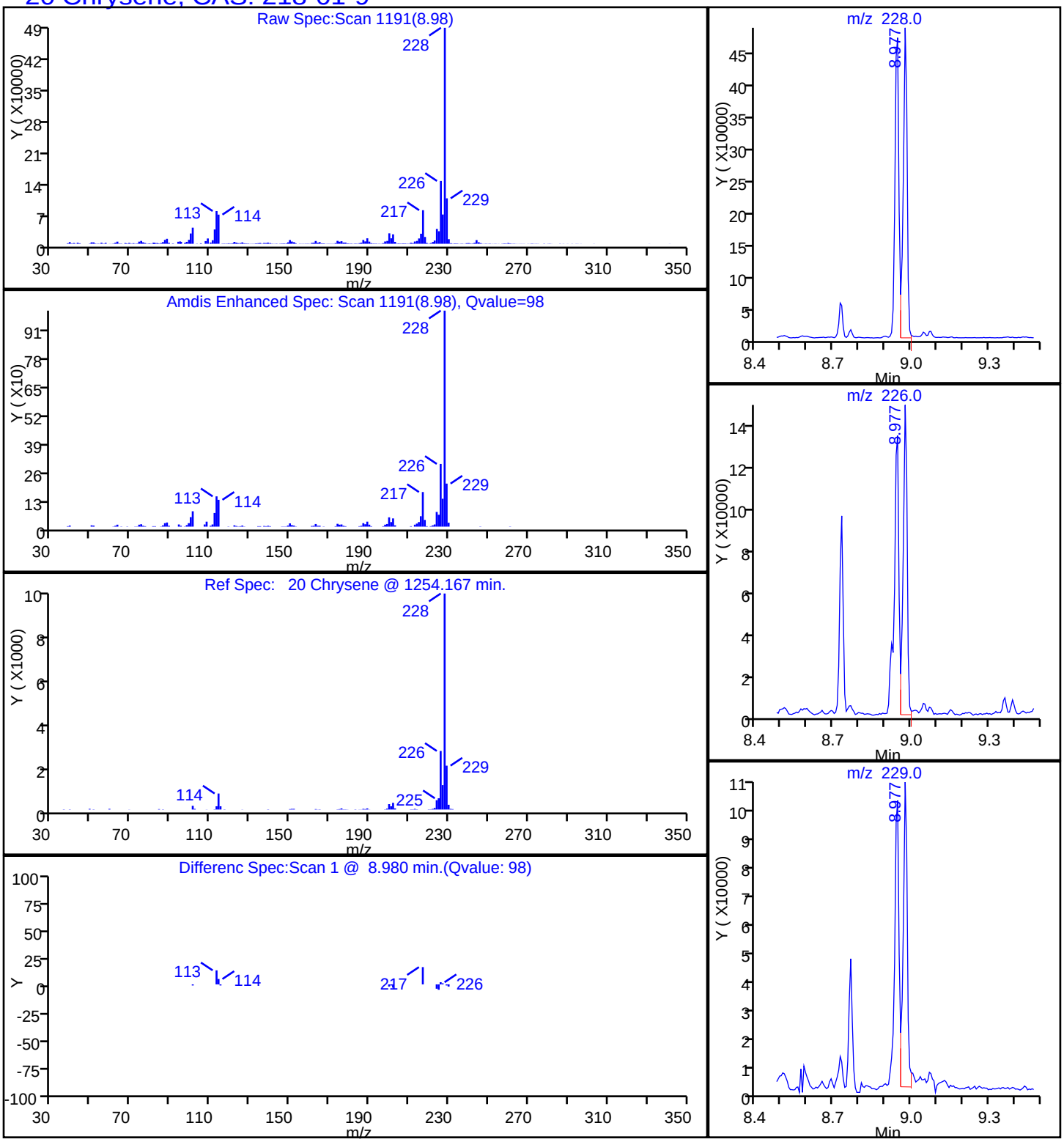


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

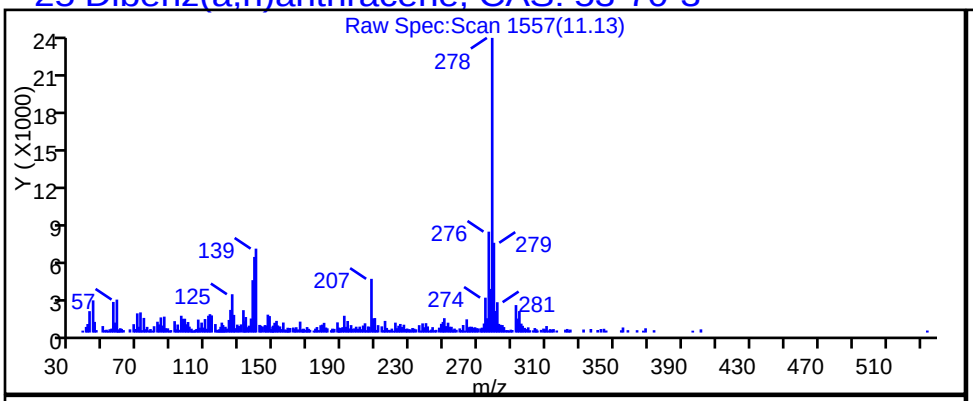


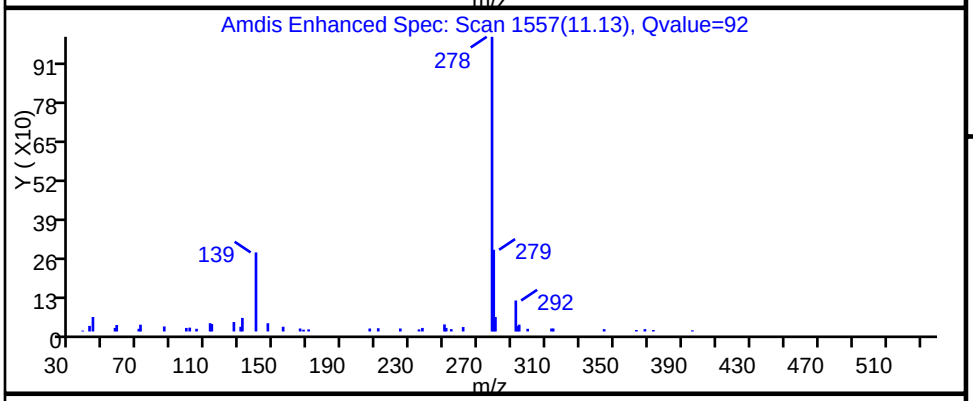
Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

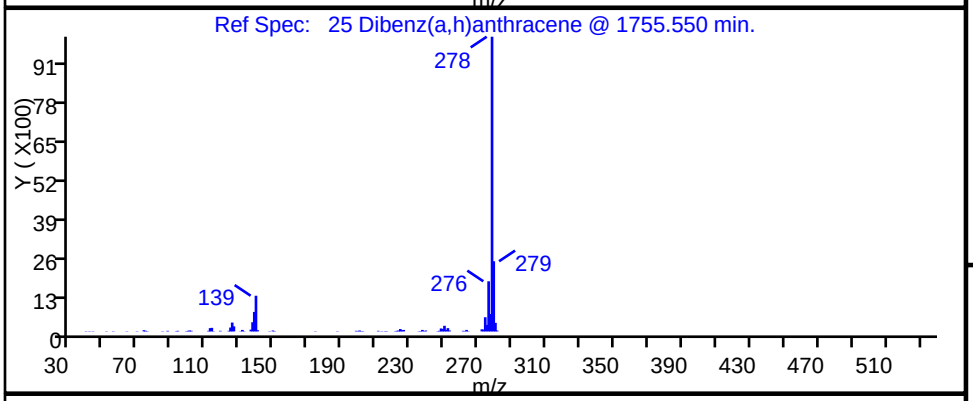
TestAmerica Savannah

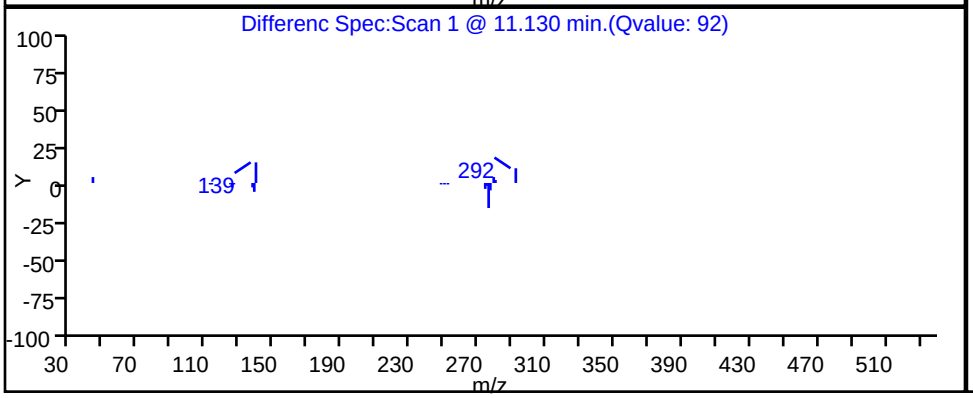
Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

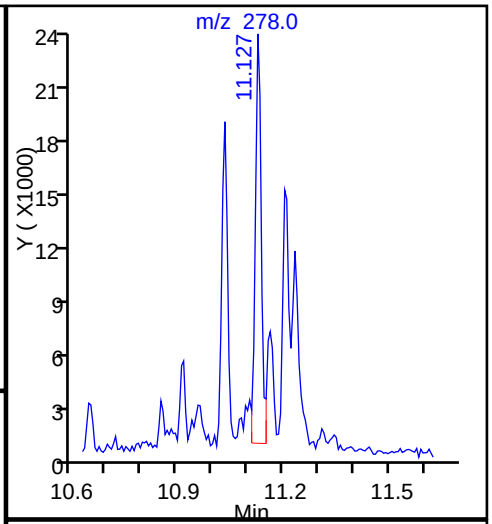
25 Dibenz(a,h)anthracene, CAS: 53-70-3

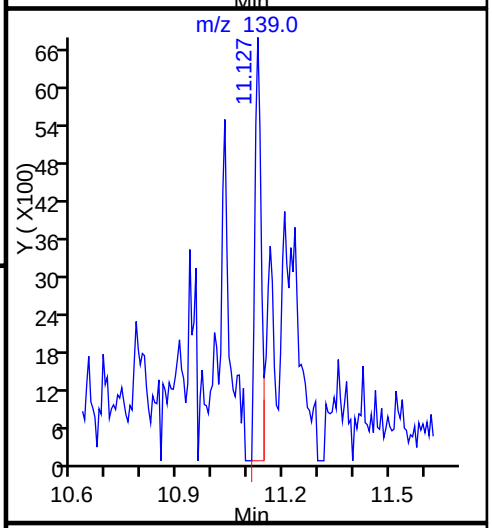


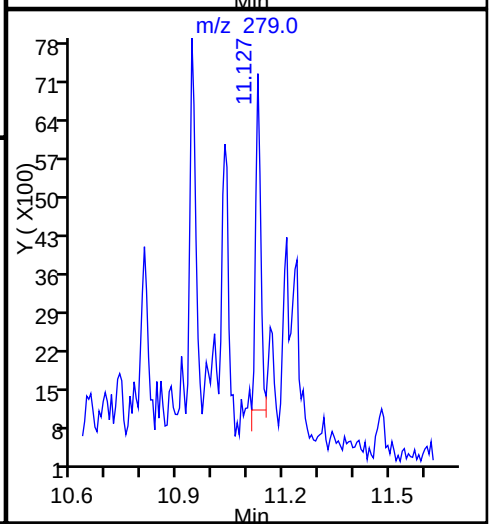










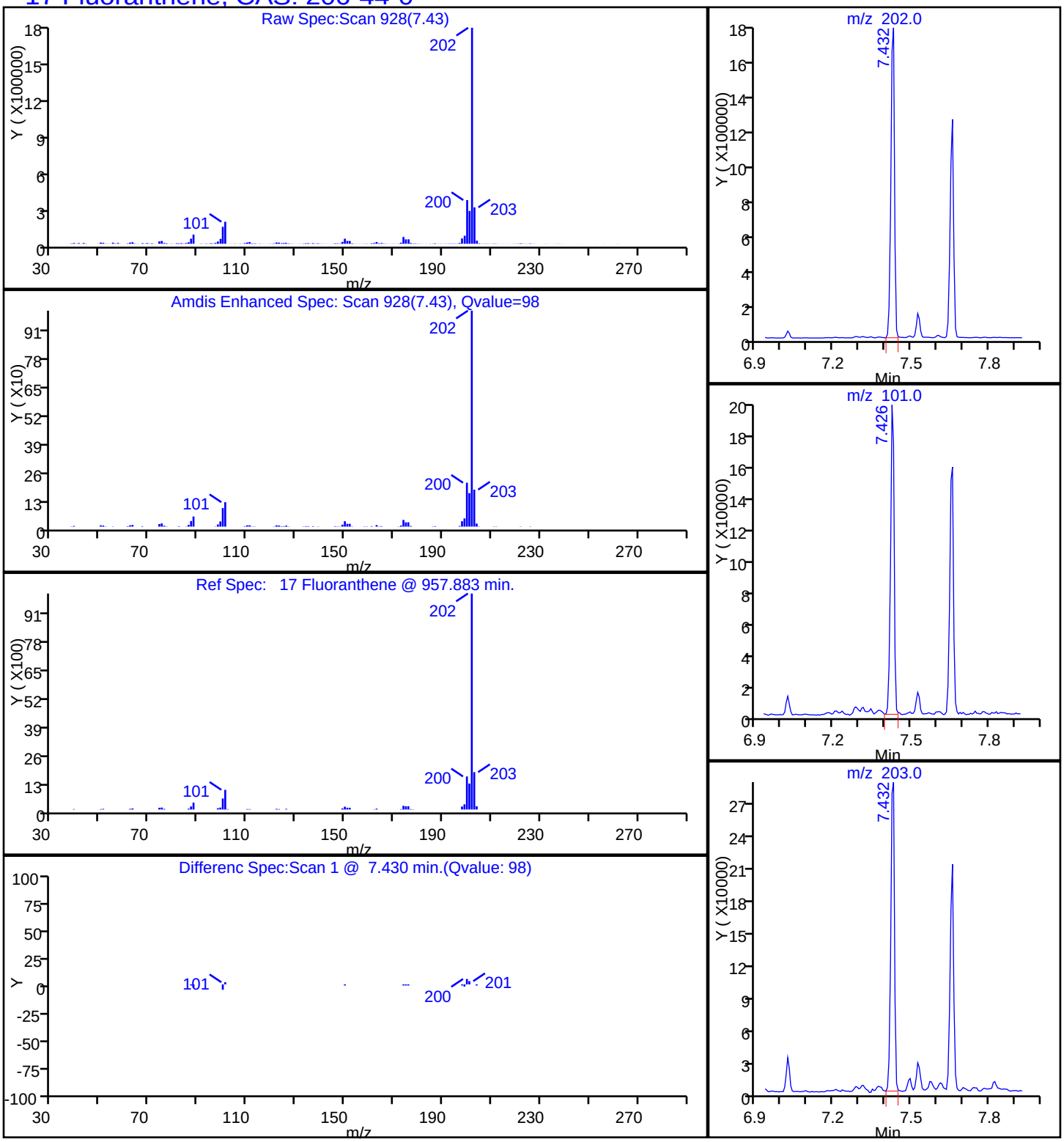


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

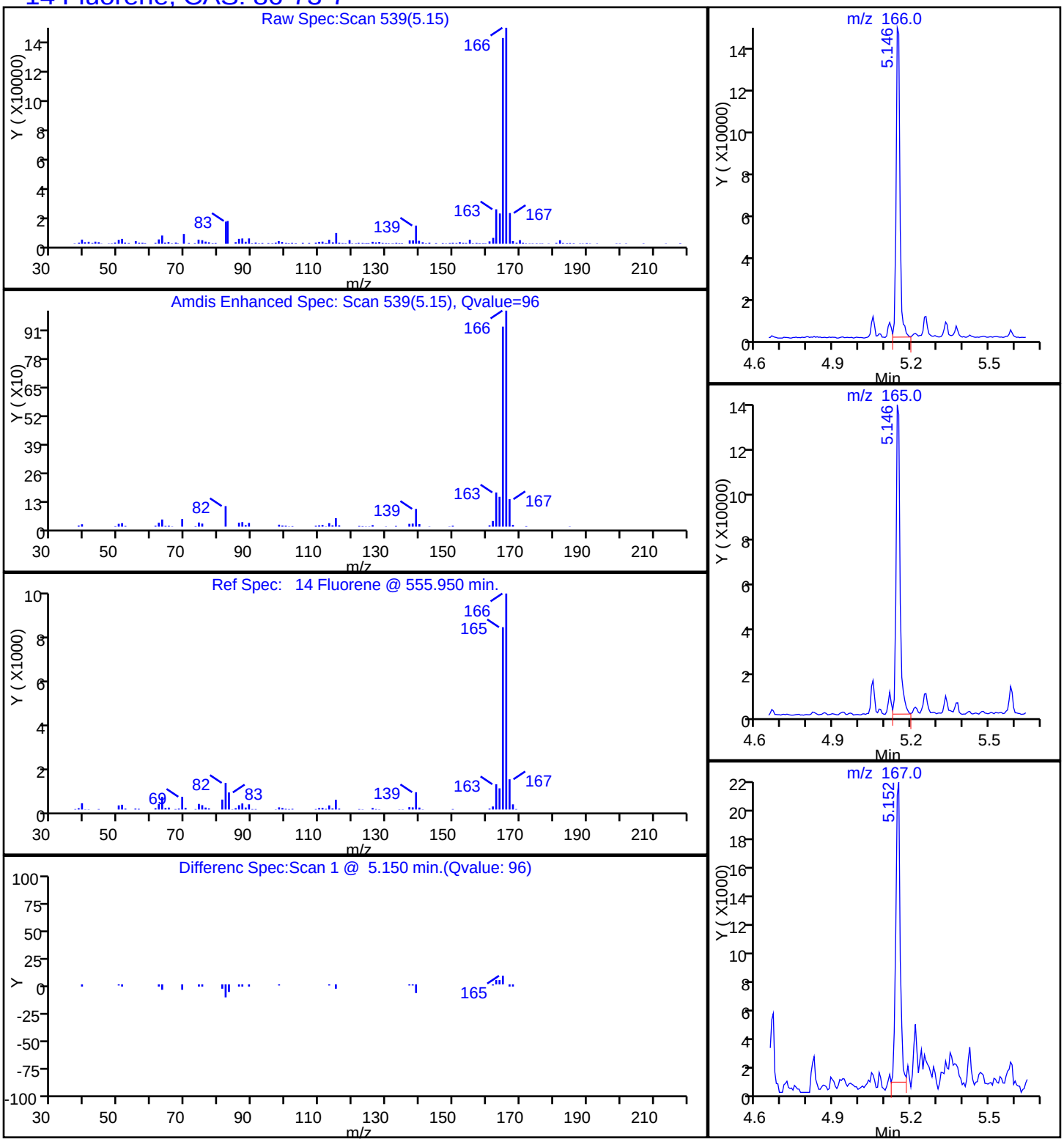


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7

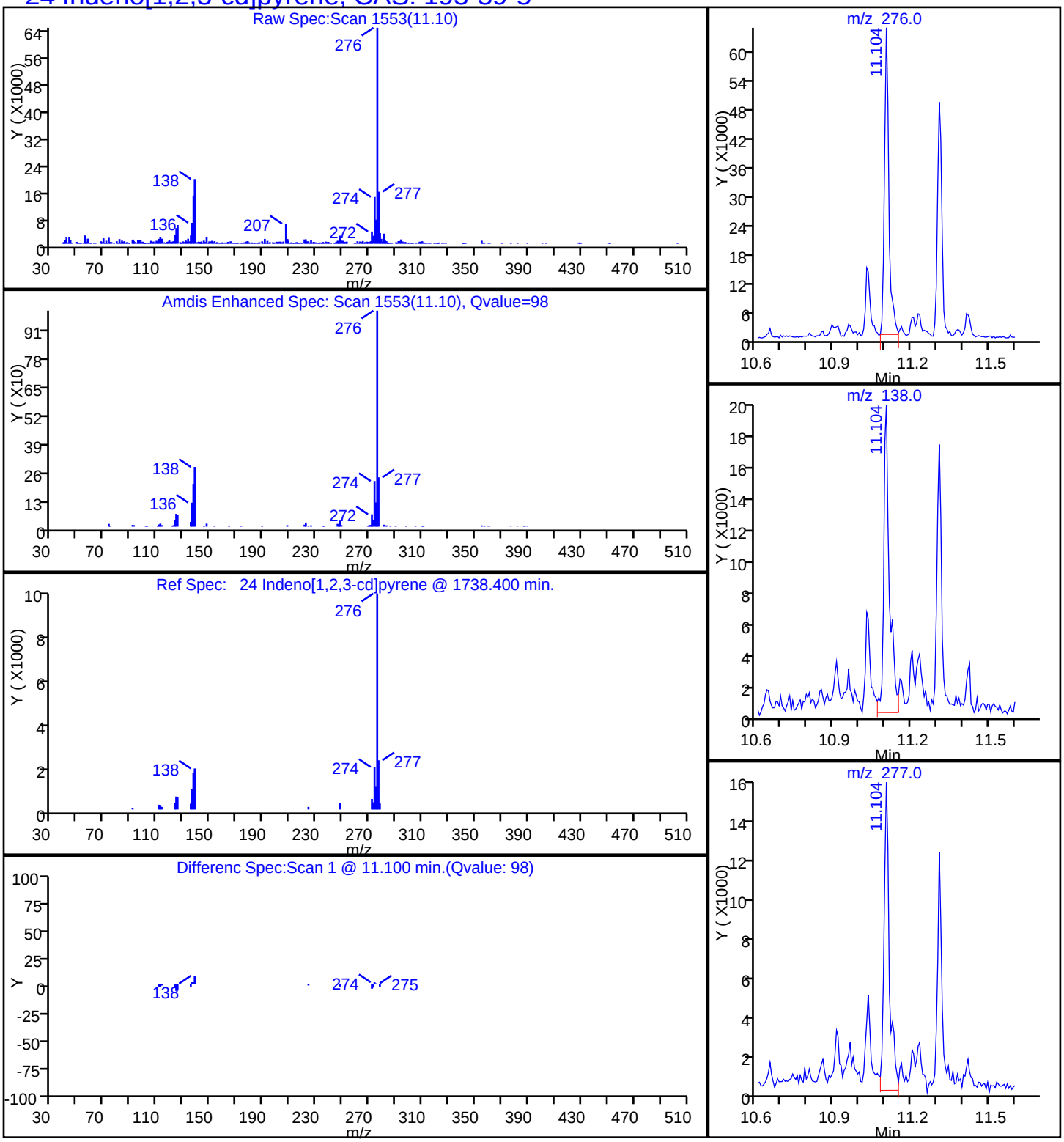


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

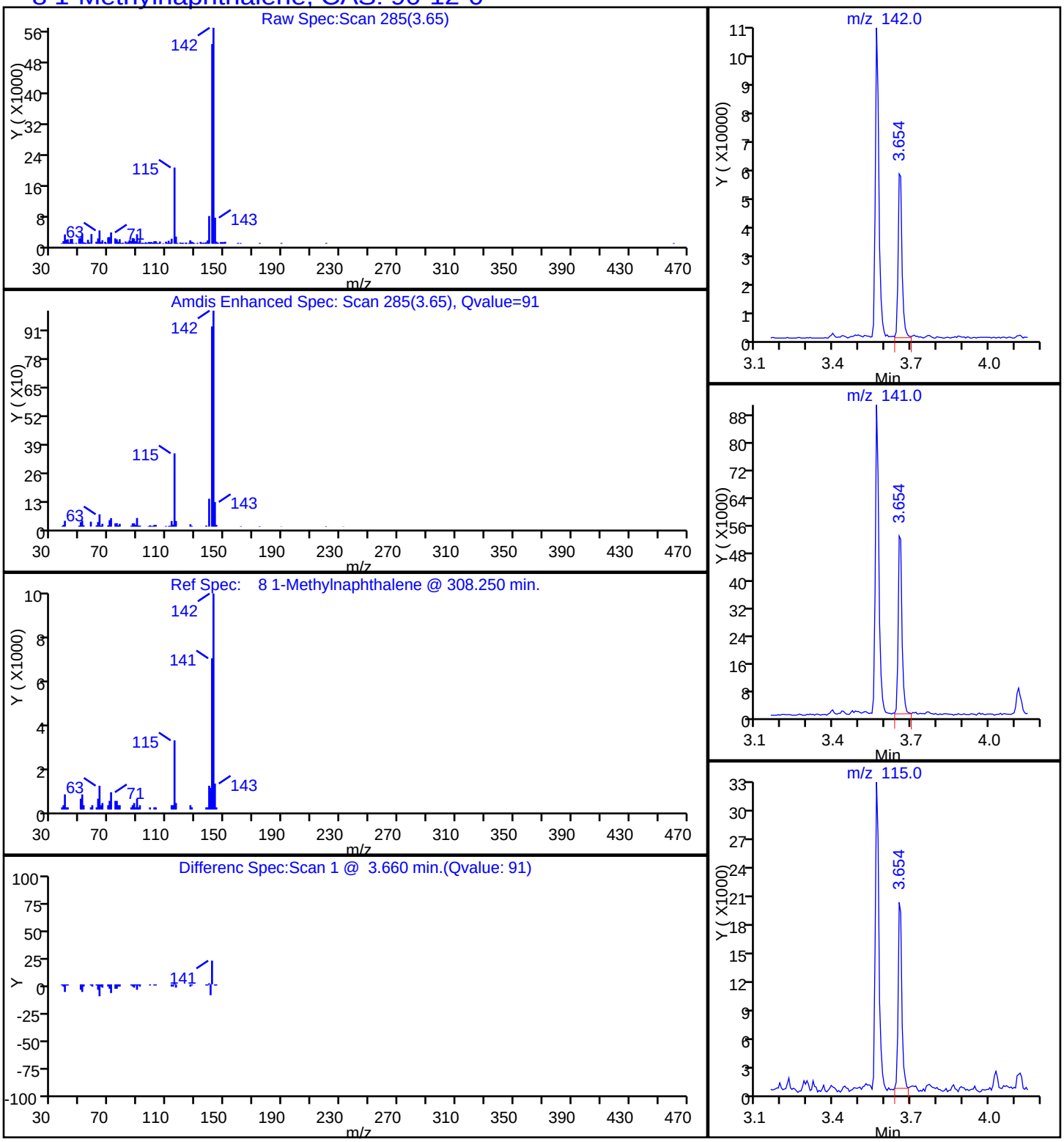


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

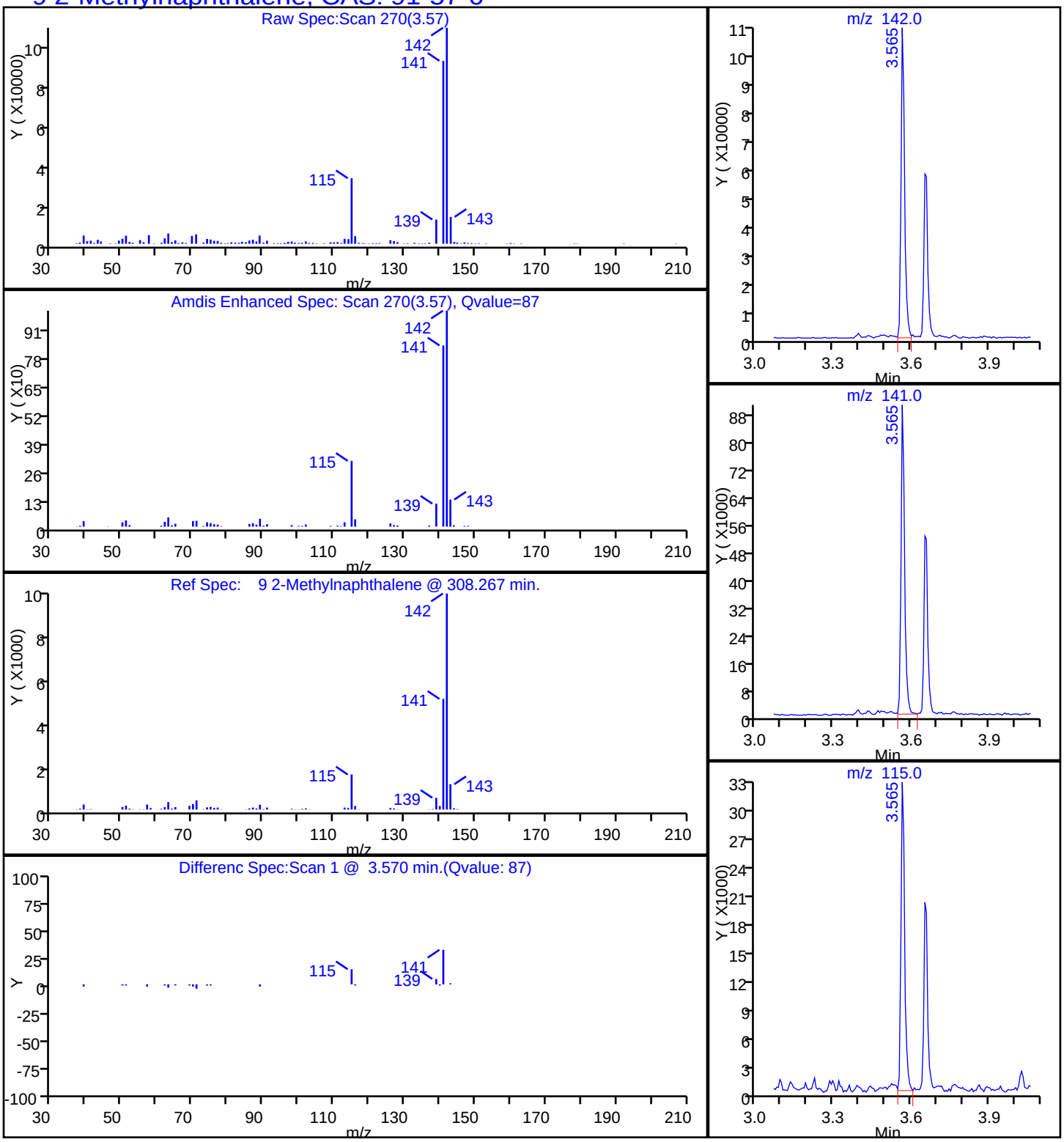


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

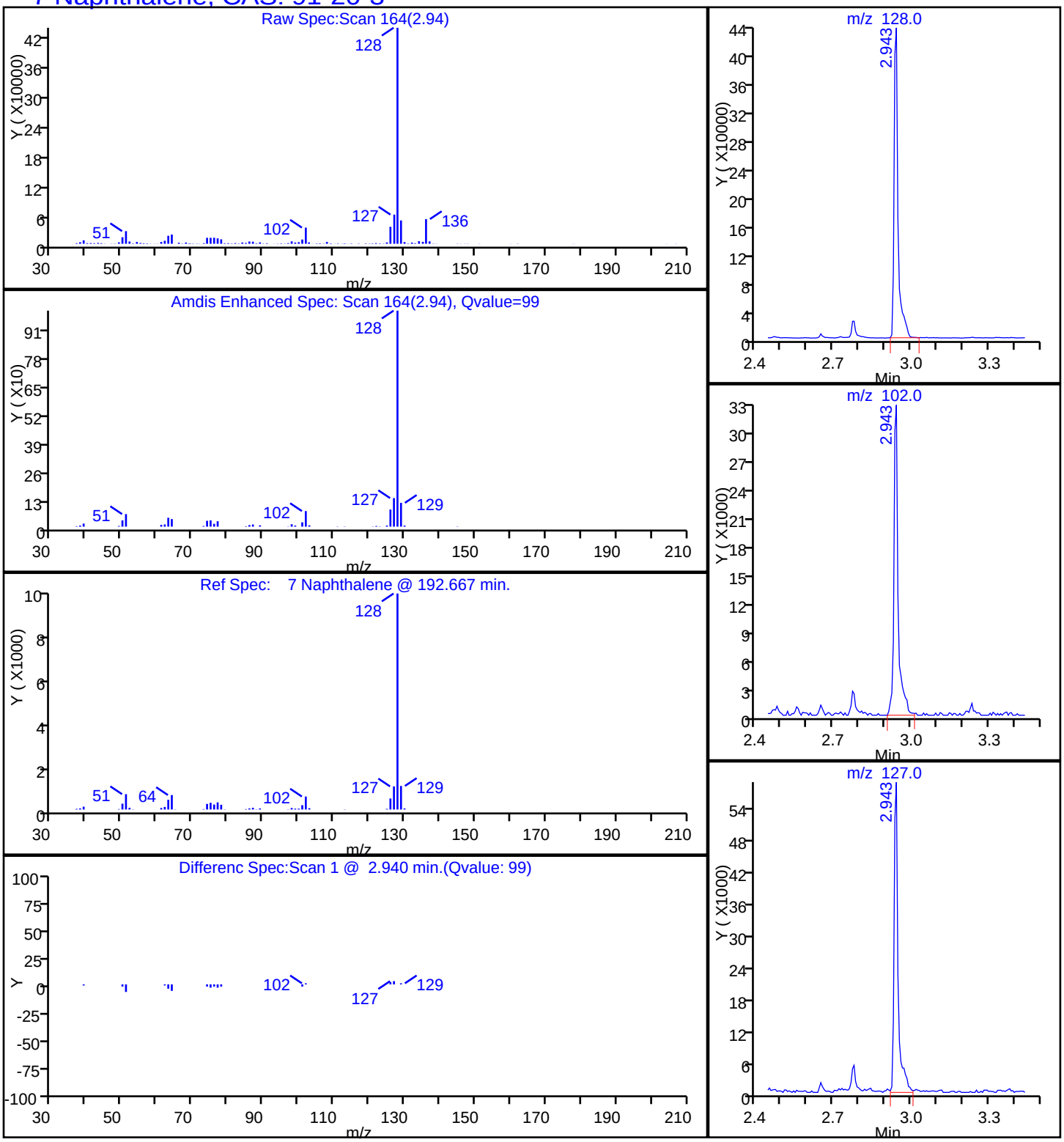


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

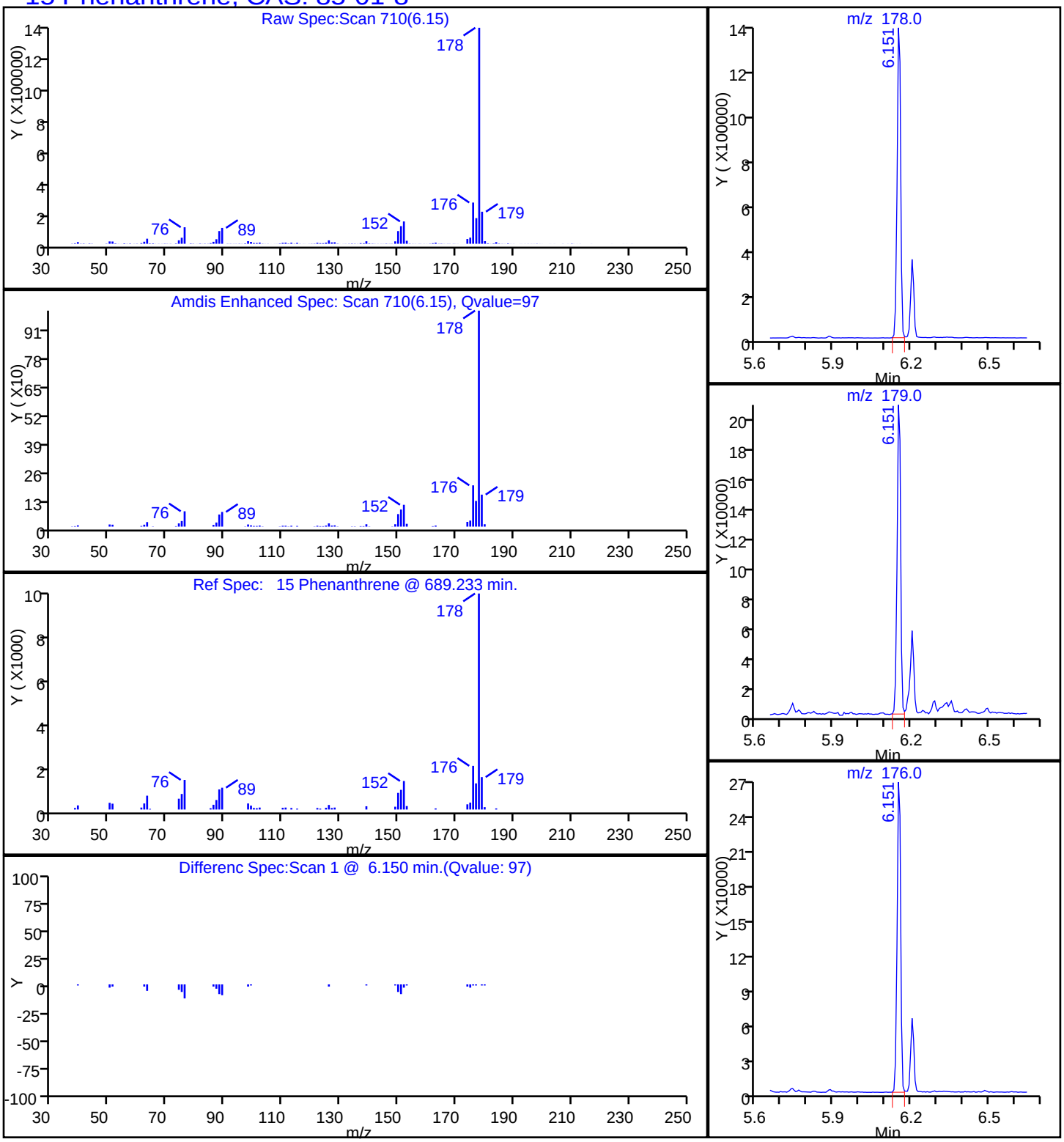


Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

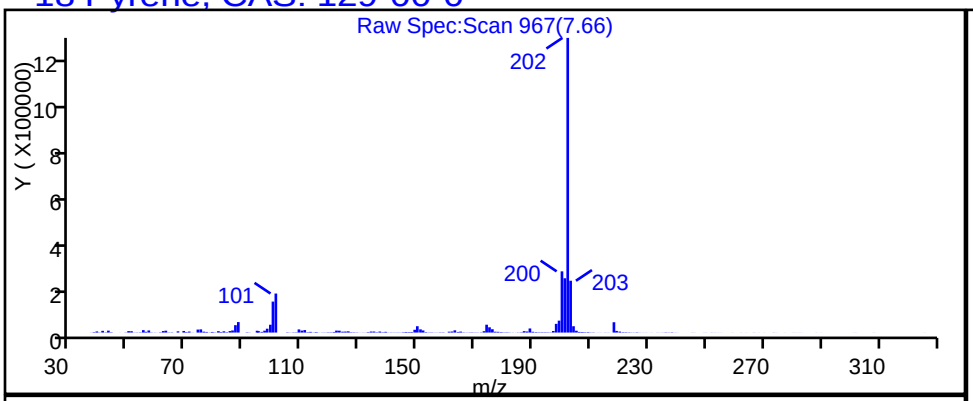


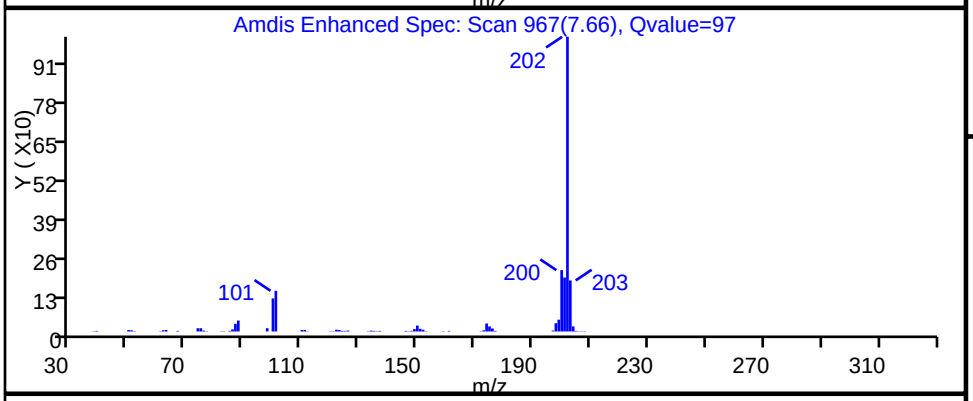
Report Date: 20-Oct-2014 09:22:32 Chrom Revision: 2.2 18-Aug-2014 12:17:36

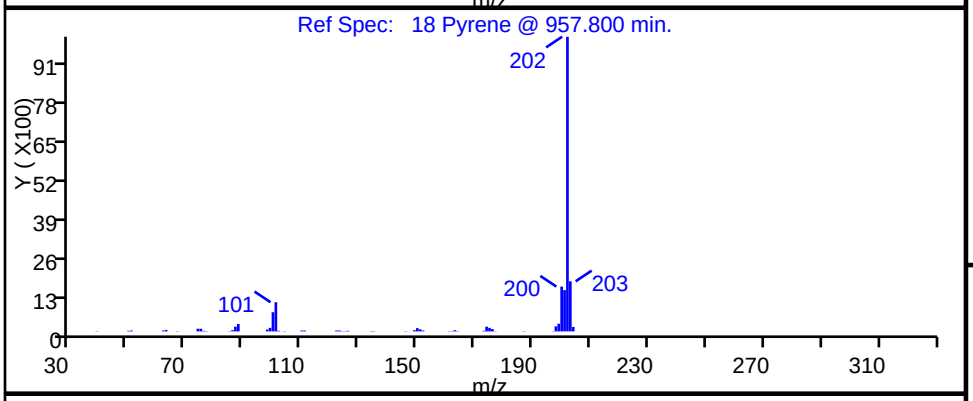
TestAmerica Savannah

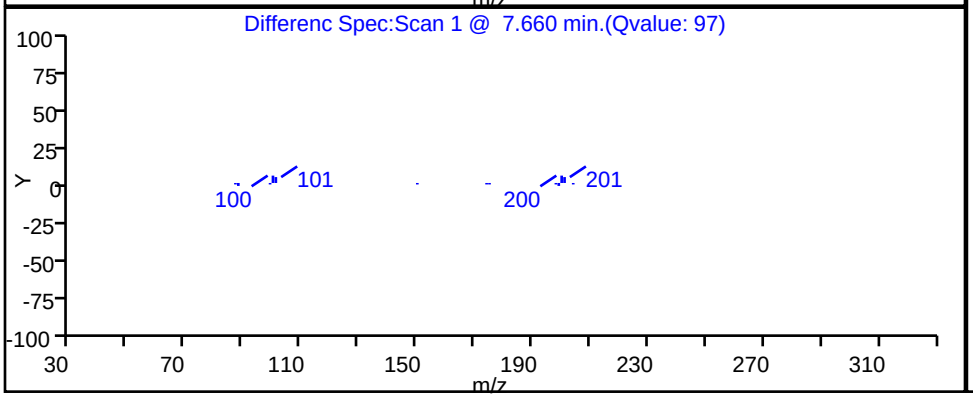
Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

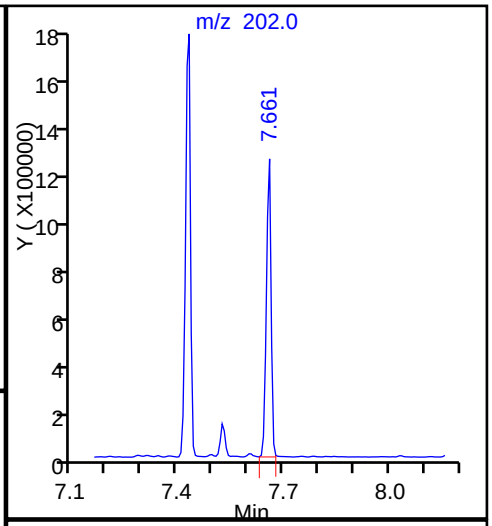
18 Pyrene, CAS: 129-00-0

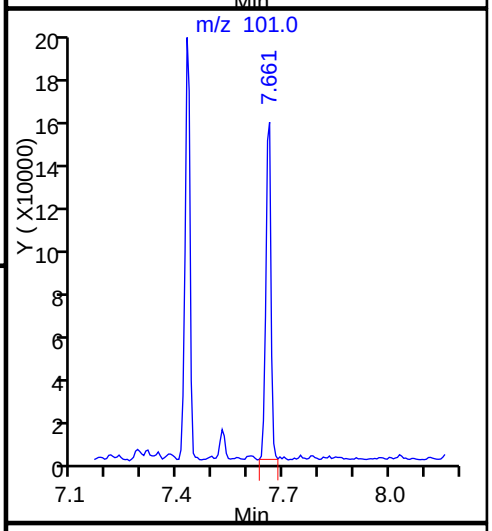


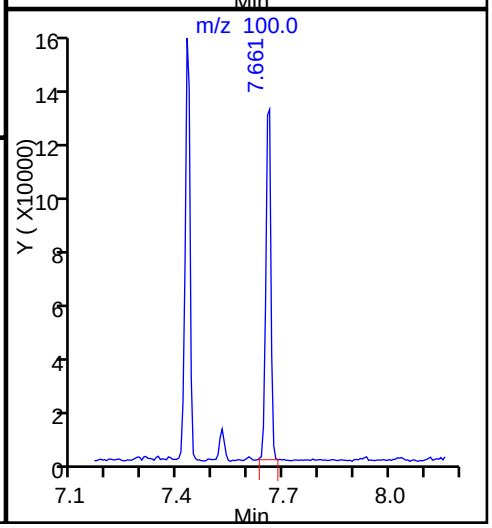












Manual Integration/User Assign Peak Report

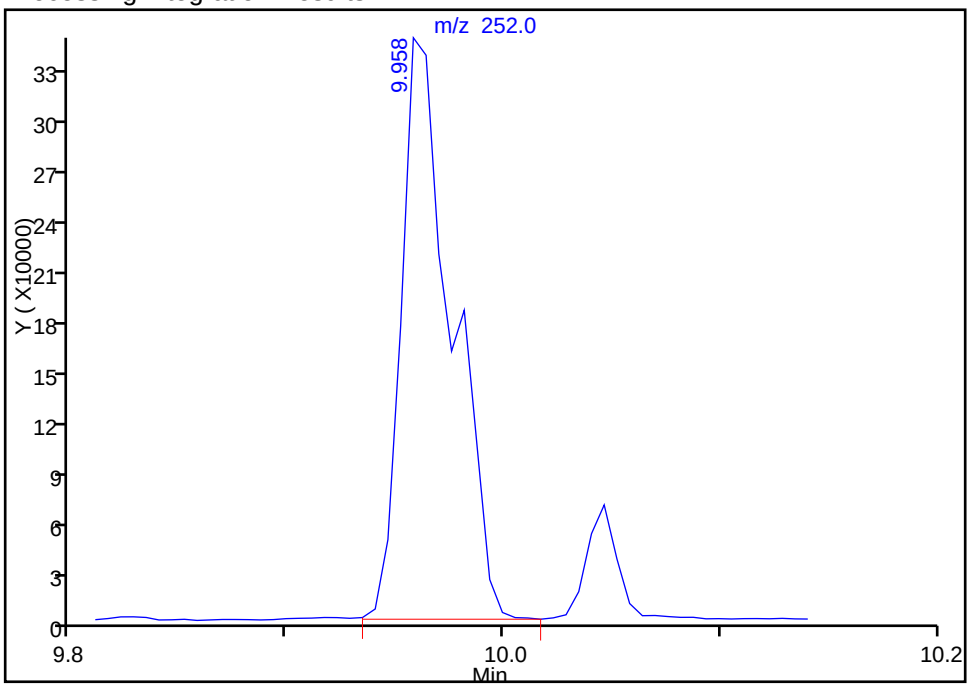
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

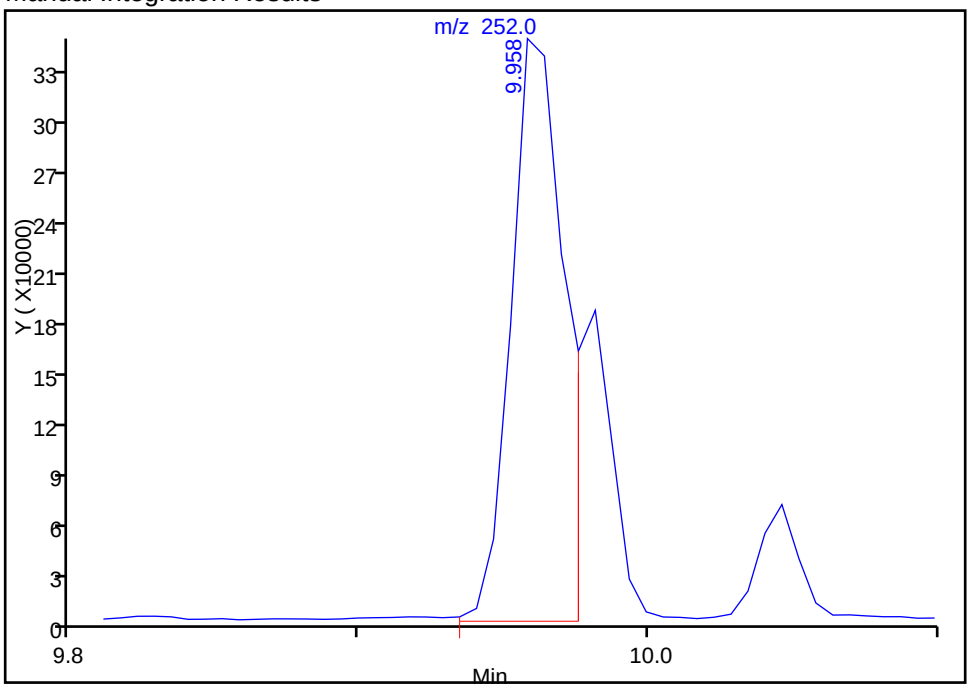
Processing Integration Results

RT: 9.96
Response: 555457
Amount: 4.699671



Manual Integration Results

RT: 9.96
Response: 450147
Amount: 3.808652



Reviewer: webbk, 20-Oct-2014 08:58:28
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

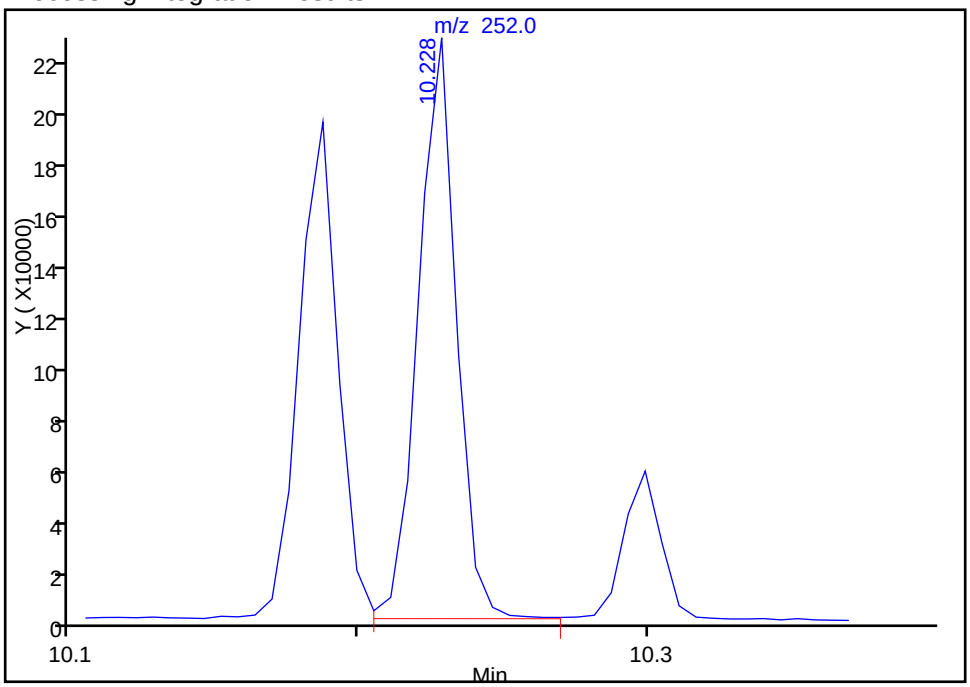
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1715.D				
Injection Date:	17-Oct-2014 16:03:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-37-A	Lab Sample ID:	680-106200-37		
Client ID:	CV0739A-CS12				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	50.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

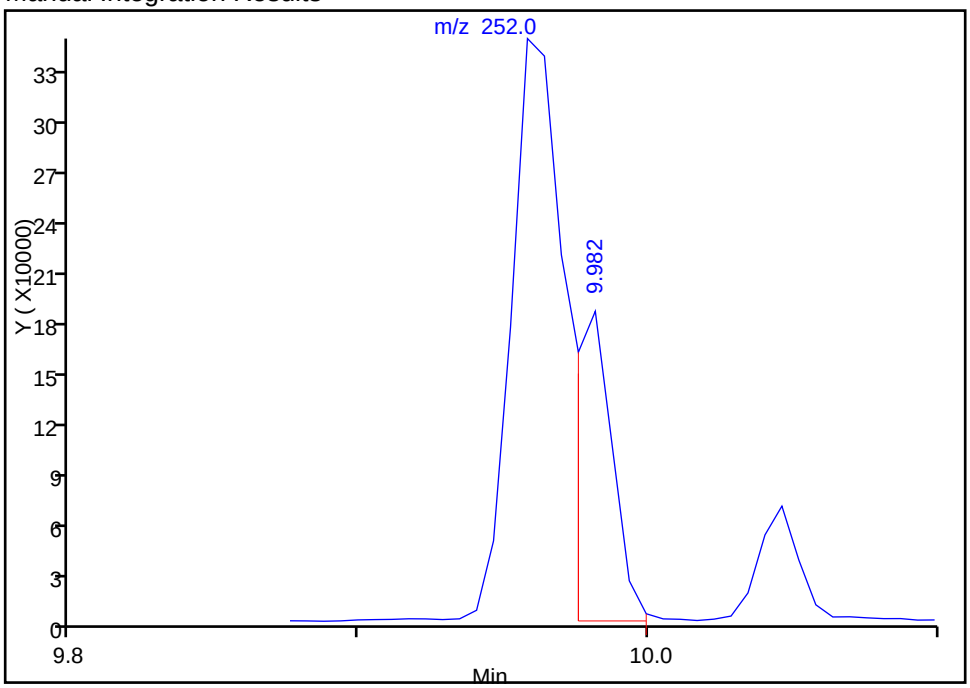
Processing Integration Results

RT: 10.23
Response: 205069
Amount: 1.782314



Manual Integration Results

RT: 9.98
Response: 164734
Amount: 1.431751



Reviewer: webbk, 20-Oct-2014 08:58:28
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0739A-CS18 | Lab Sample ID: 680-106200-38

Matrix: Solid | Lab File ID: 1KJ1713.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 14:10

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 29.99(g) | Date Analyzed: 10/17/2014 15:17

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354071 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	97		77	38
208-96-8	Acenaphthylene	500		77	38
120-12-7	Anthracene	980		77	38
56-55-3	Benzo[a]anthracene	920		77	38
50-32-8	Benzo[a]pyrene	320		77	14
205-99-2	Benzo[b]fluoranthene	690		77	38
191-24-2	Benzo[g,h,i]perylene	71	J	77	38
207-08-9	Benzo[k]fluoranthene	250		77	23
218-01-9	Chrysene	950		77	38
53-70-3	Dibenz(a,h)anthracene	53	J	77	38
206-44-0	Fluoranthene	2800		77	38
86-73-7	Fluorene	1400		77	38
193-39-5	Indeno[1,2,3-cd]pyrene	73	J	77	38
90-12-0	1-Methylnaphthalene	450		77	36
91-57-6	2-Methylnaphthalene	890		77	38
91-20-3	Naphthalene	2000		77	38
85-01-8	Phenanthrene	4200		77	28
129-00-0	Pyrene	1600		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\CMSK\20141017-13846.b\1KJ1713.D
Lims ID: 680-106200-A-38-A Lab Sample ID: 680-106200-38
Client ID: CV0739A-CS18
Sample Type: Client
Inject. Date: 17-Oct-2014 15:17:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Sample Info: 680-106200-A-38-A 1:10
Misc. Info.: 680-0013846-013
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20141017-13846.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 08:58:28 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

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

First Level Reviewer: webbk Date: 17-Oct-2014 15:41:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.925	2.925	0.000	98	520667	2.00	
* 2 Acenaphthene-d10	164	4.582	4.582	0.000	91	261929	2.00	
* 3 Phenanthrene-d10	188	6.127	6.127	0.000	98	364925	2.00	
* 4 Chrysene-d12	240	8.954	8.954	0.000	99	264459	2.00	
* 5 Perylene-d12	264	10.276	10.276	0.000	96	202535	2.00	
7 Naphthalene	128	2.943	2.943	0.000	99	1459974	5.21	
9 2-Methylnaphthalene	142	3.566	3.566	0.000	86	386017	2.33	
8 1-Methylnaphthalene	142	3.660	3.660	0.000	92	178811	1.16	
11 Acenaphthylene	152	4.435	4.435	0.000	97	327090	1.31	
12 Acenaphthene	153	4.611	4.617	-0.006	95	41322	0.2537	
14 Fluorene	166	5.152	5.152	0.000	95	582427	3.71	
15 Phenanthrene	178	6.157	6.151	0.006	97	2359928	10.9	
16 Anthracene	178	6.204	6.204	0.000	98	508660	2.55	
17 Fluoranthene	202	7.432	7.426	0.006	98	1527585	7.42	
18 Pyrene	202	7.661	7.655	0.006	97	958254	4.30	
19 Benzo[a]anthracene	228	8.948	8.942	0.006	99	365059	2.39	
20 Chrysene	228	8.977	8.977	0.000	98	375469	2.48	
21 Benzo[b]fluoranthene	252	9.958	9.958	0.000	98	238615	1.80	
22 Benzo[k]fluoranthene	252	9.982	9.982	0.000	98	84475	0.6542	M
23 Benzo[a]pyrene	252	10.229	10.229	0.000	95	94163	0.8259	
24 Indeno[1,2,3-cd]pyrene	276	11.104	11.116	-0.012	97	29707	0.1912	
25 Dibenz(a,h)anthracene	278	11.128	11.145	-0.017	92	15687	0.1385	
26 Benzo[g,h,i]perylene	276	11.310	11.327	-0.017	94	21804	0.1856	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

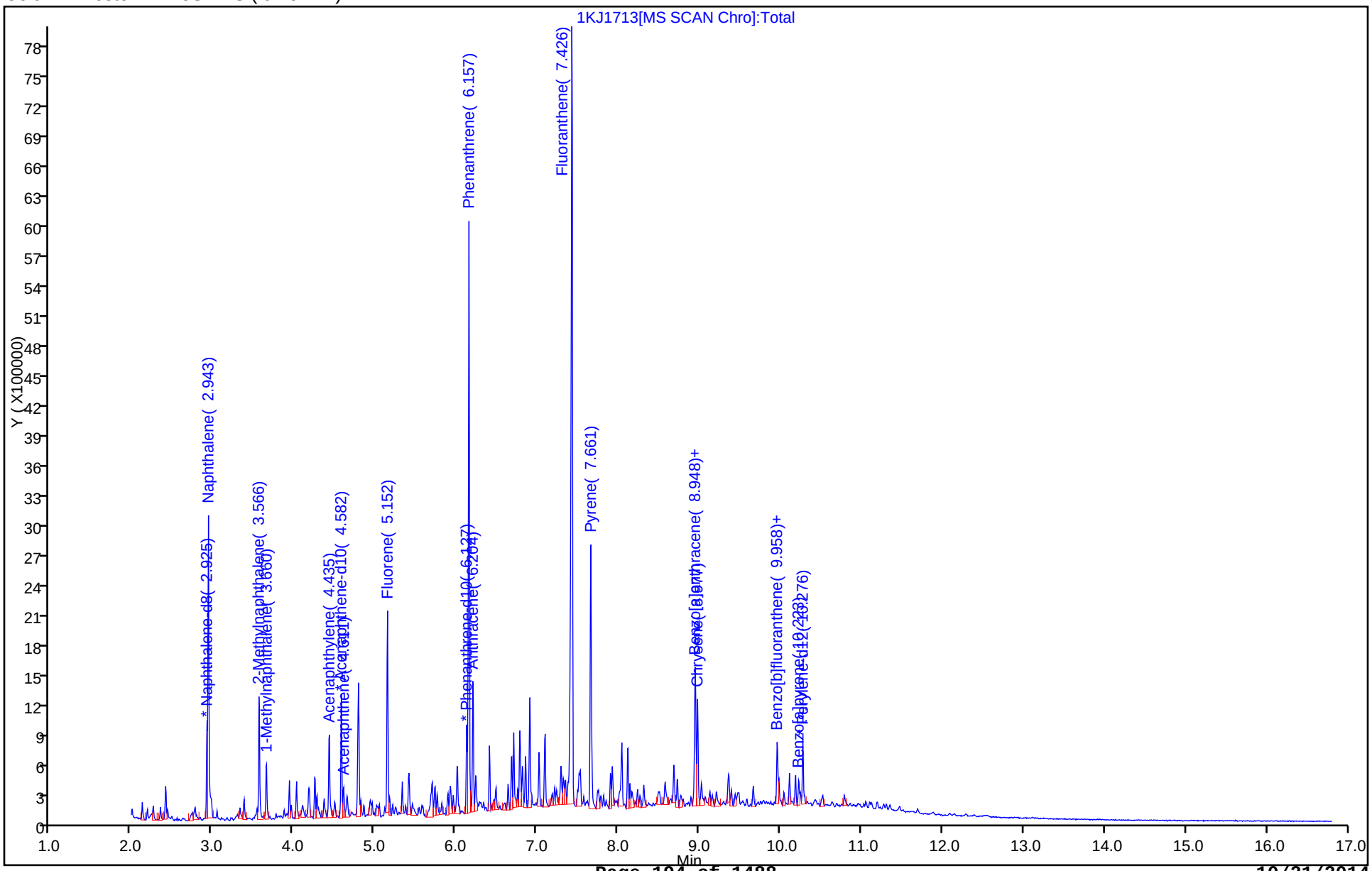
SM-LLISTD_00110 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:35 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38	Worklist Smp#:	13
Client ID:	CV0739A-CS18				
Injection Vol:	1.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	13
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

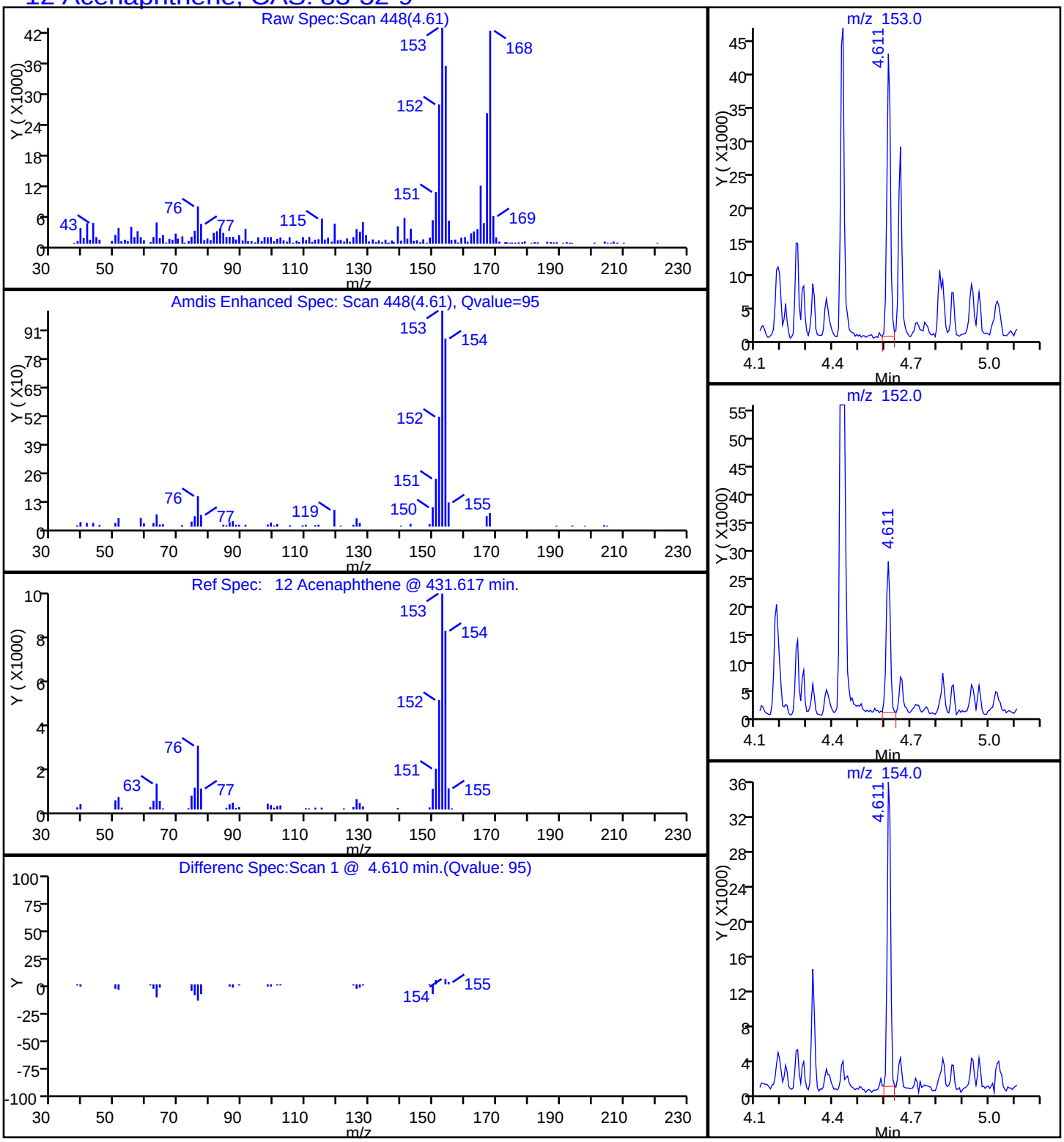


Report Date: 20-Oct-2014 09:22:35 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthene, CAS: 83-32-9

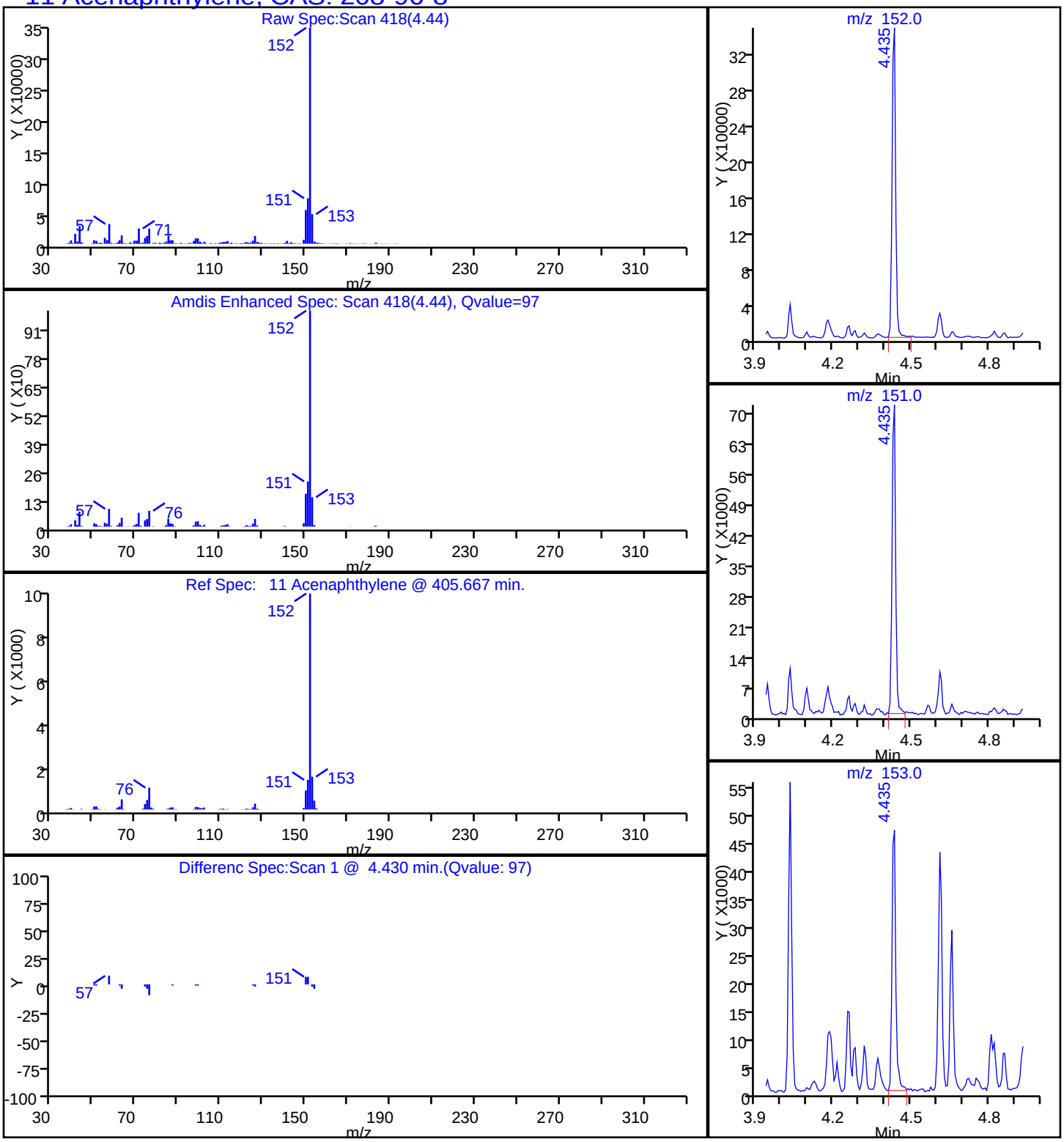


Report Date: 20-Oct-2014 09:22:35 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

11 Acenaphthylene, CAS: 208-96-8

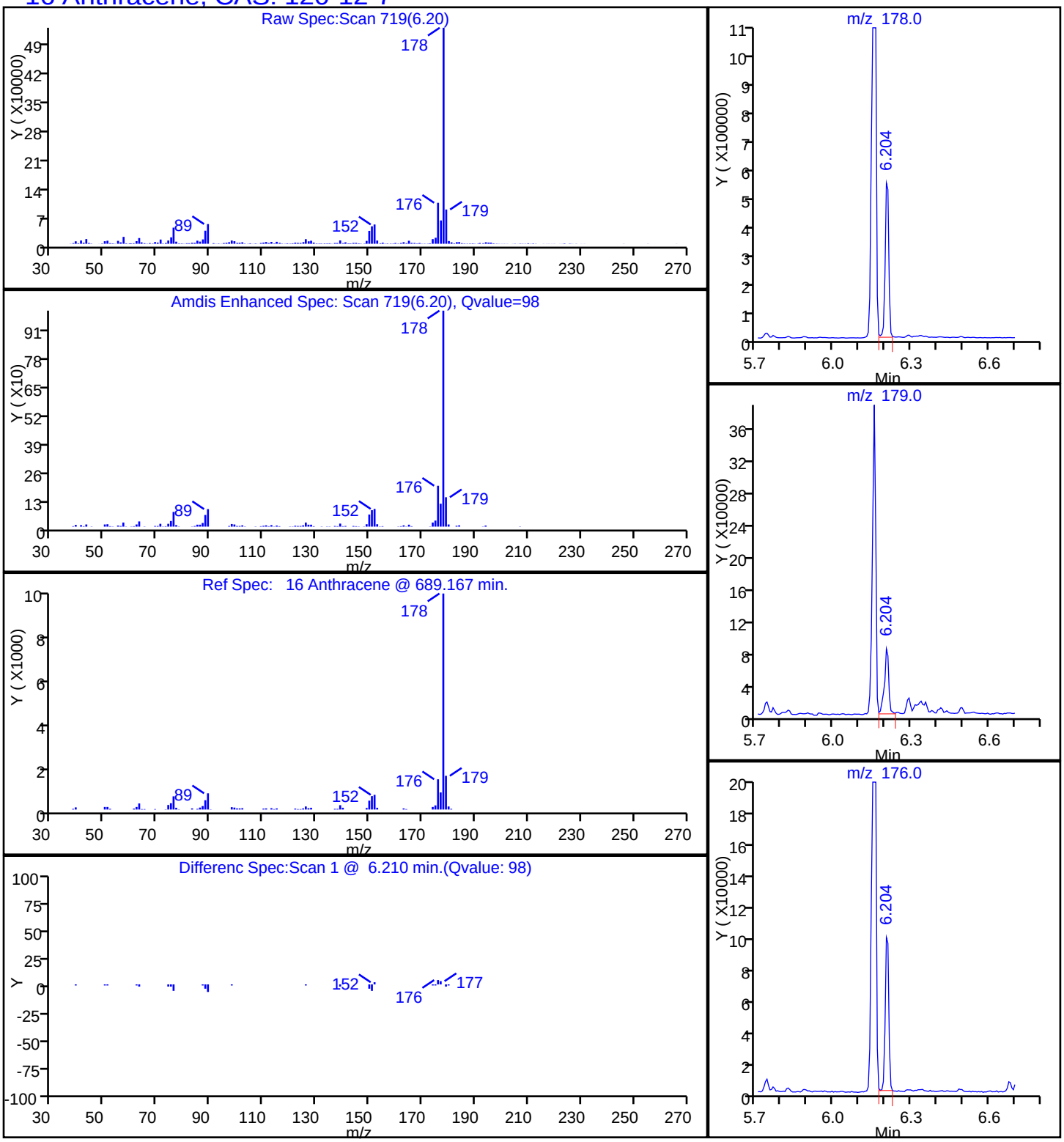


Report Date: 20-Oct-2014 09:22:35 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

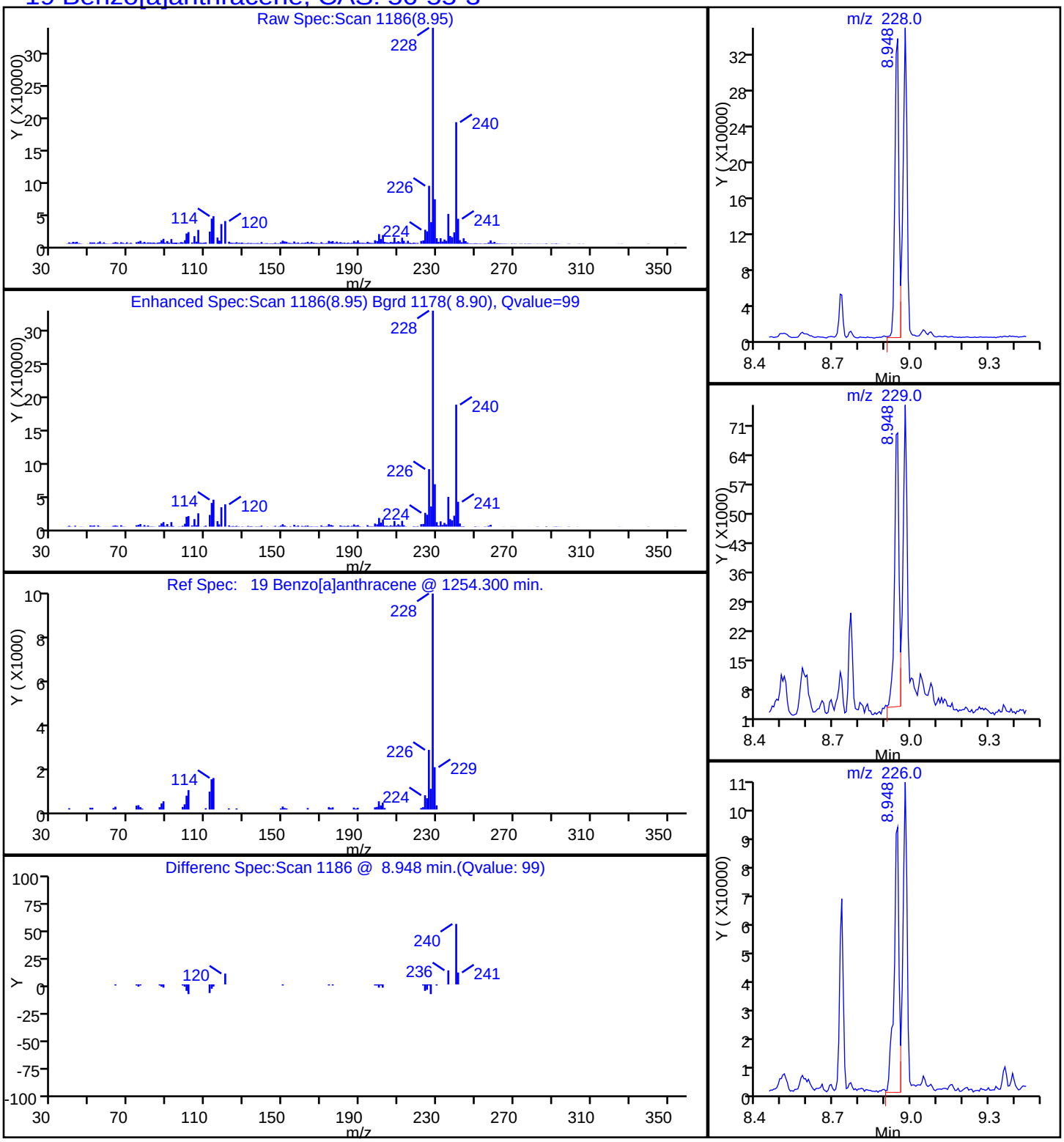


Report Date: 20-Oct-2014 09:22:36 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

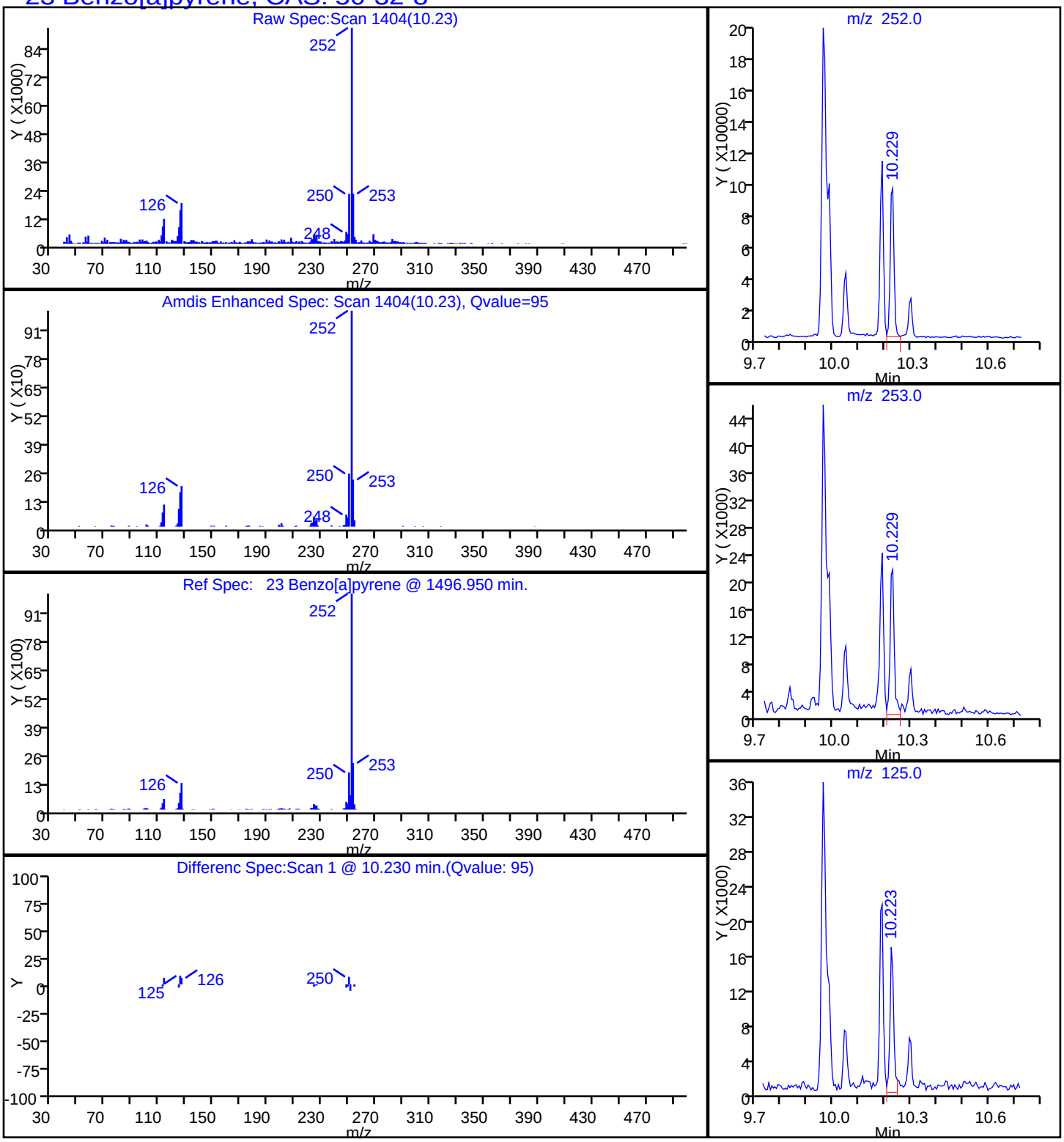


Report Date: 20-Oct-2014 09:22:36 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

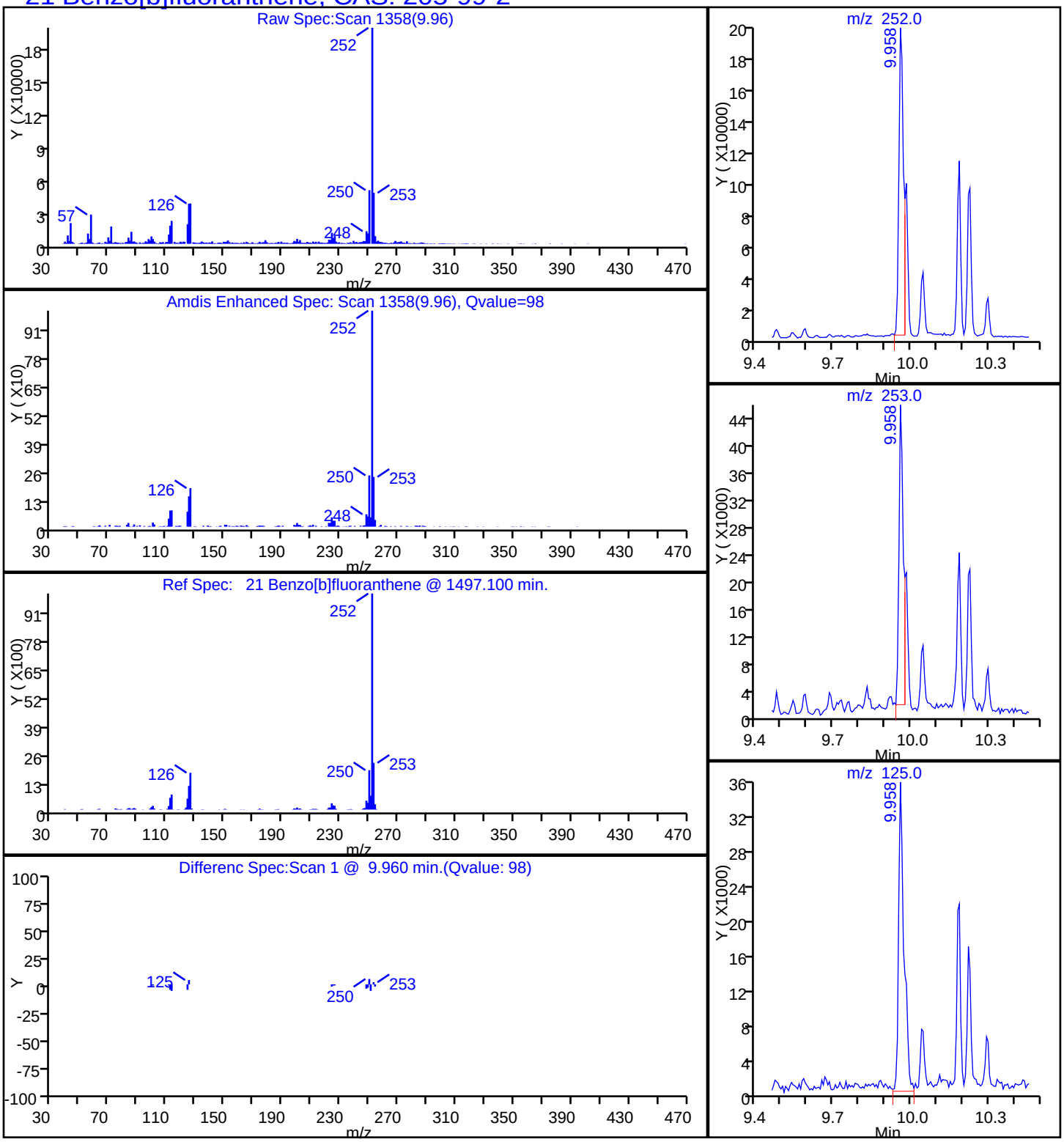


Report Date: 20-Oct-2014 09:22:36 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

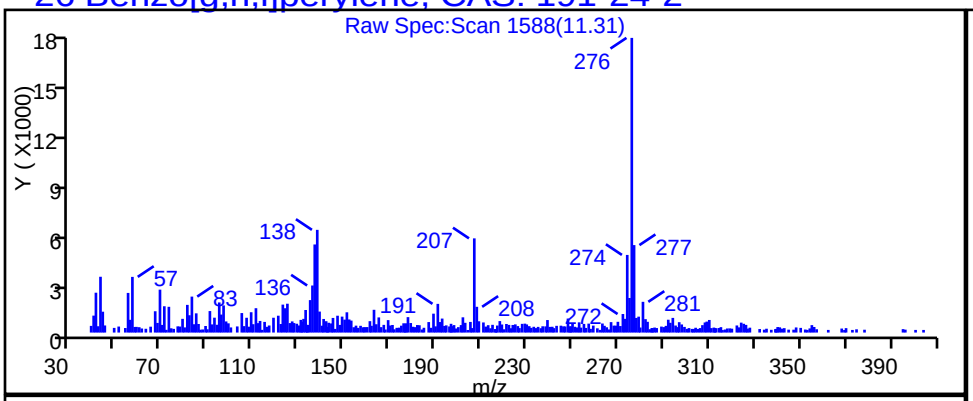


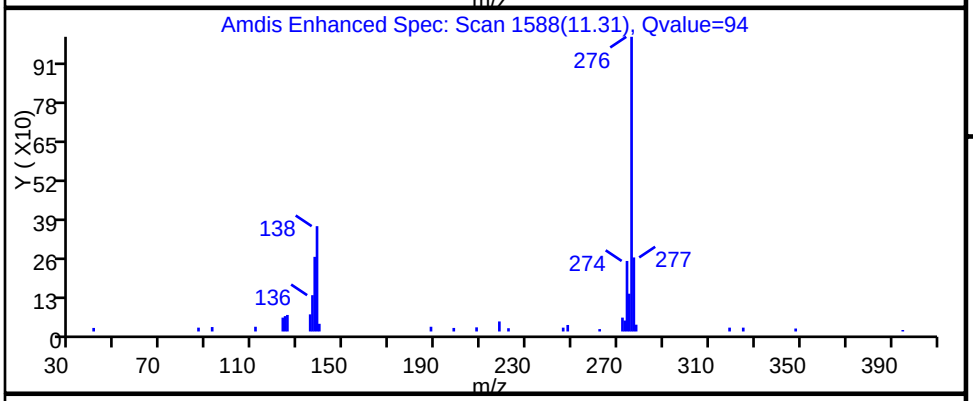
Report Date: 20-Oct-2014 09:22:36 Chrom Revision: 2.2 18-Aug-2014 12:17:36

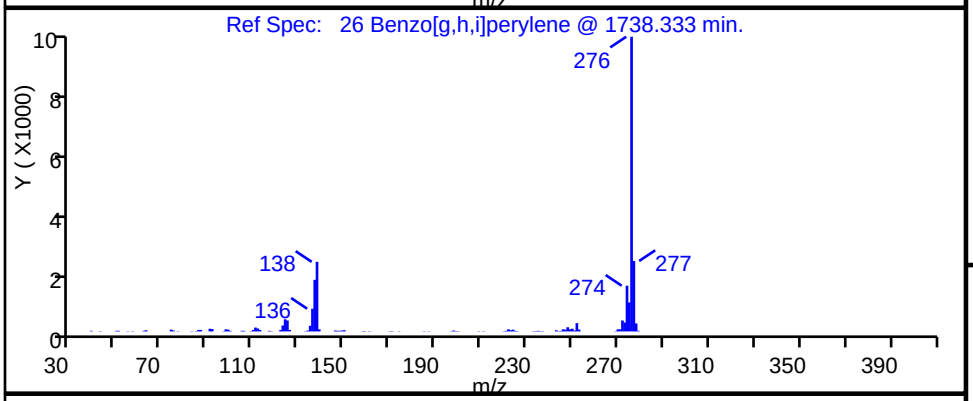
TestAmerica Savannah

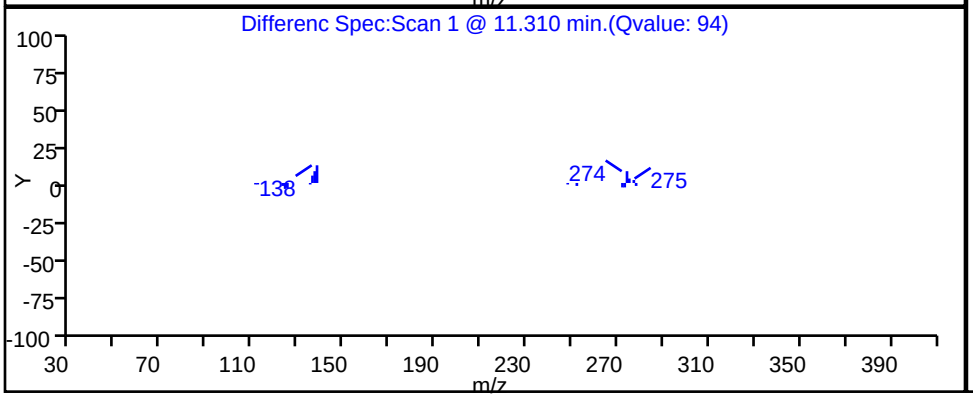
Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

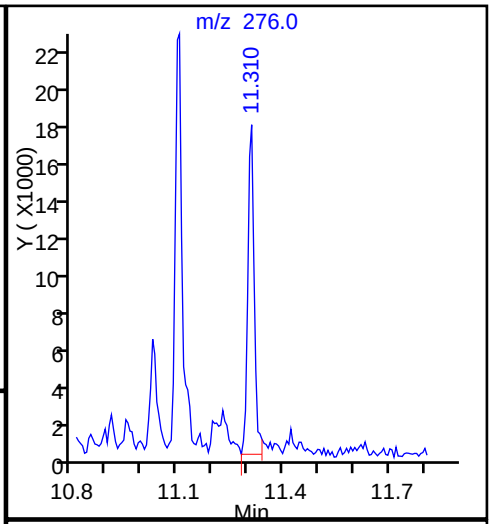
26 Benzo[g,h,i]perylene, CAS: 191-24-2

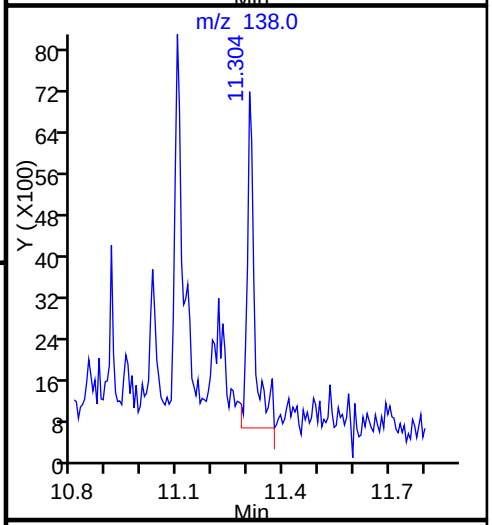


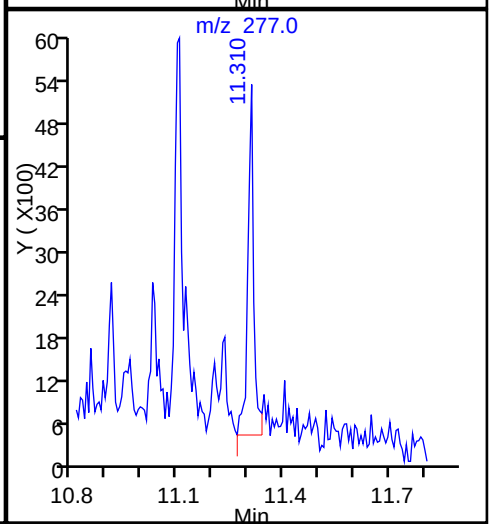










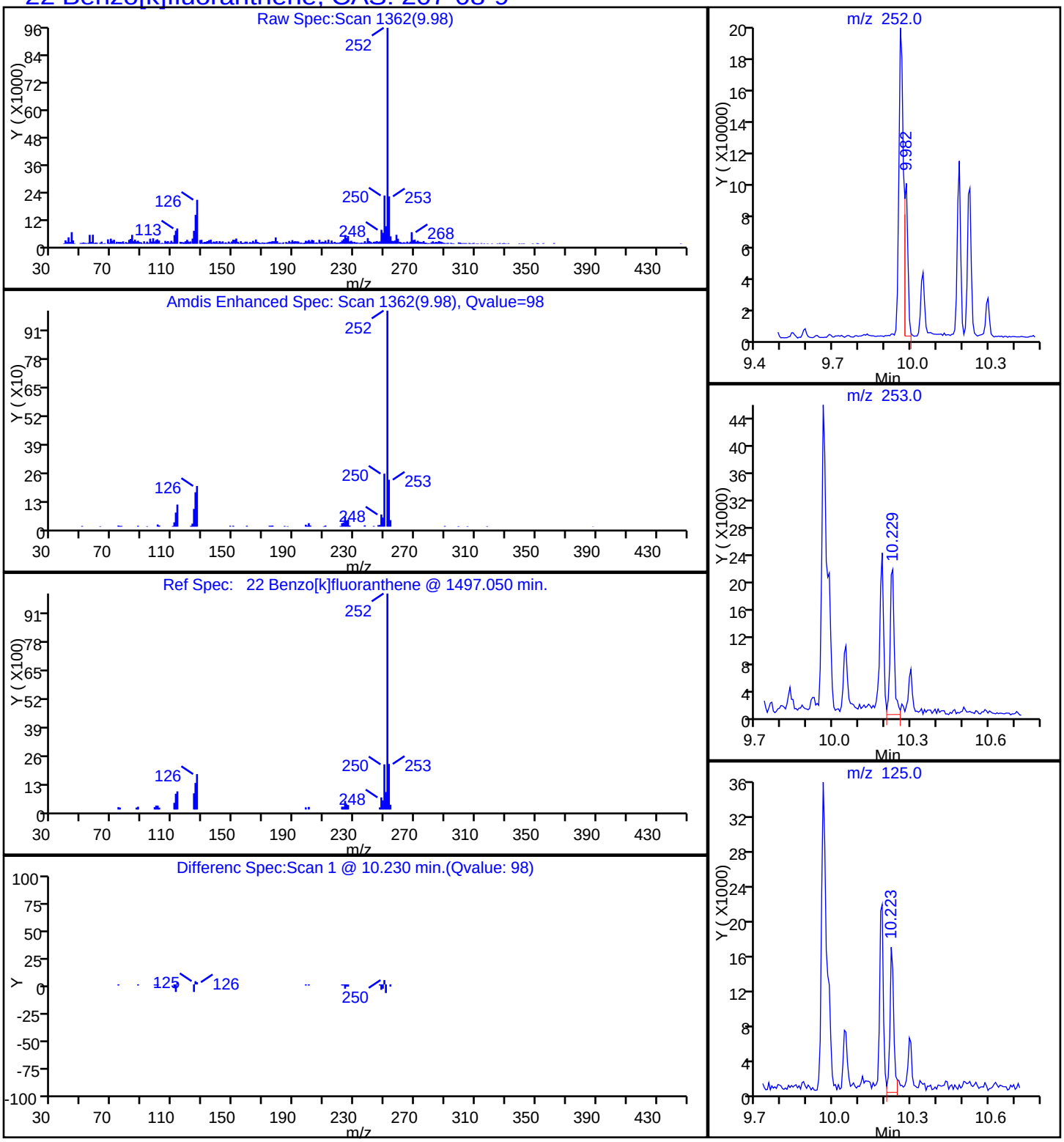


Report Date: 20-Oct-2014 09:22:36 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

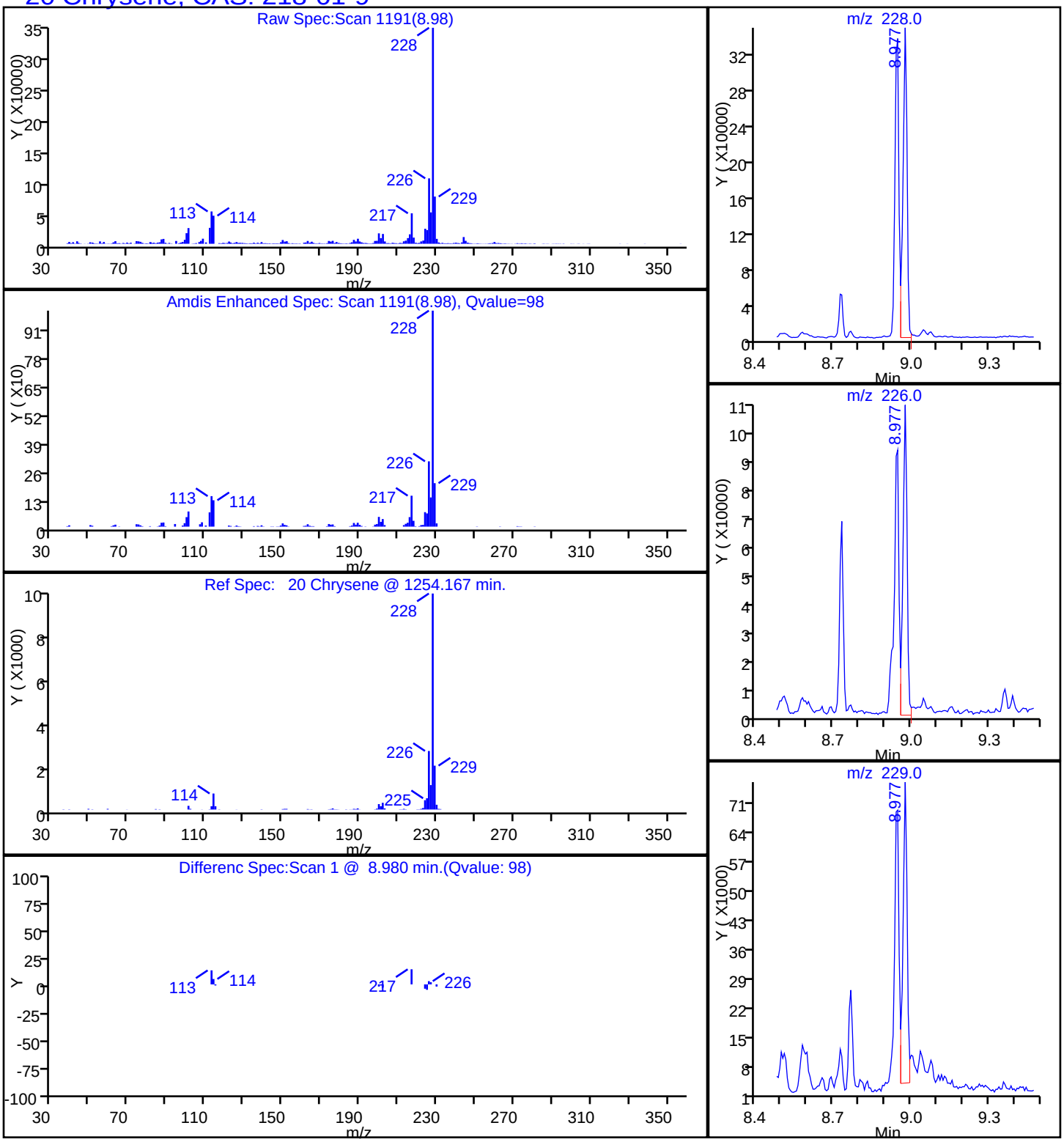


Report Date: 20-Oct-2014 09:22:36 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

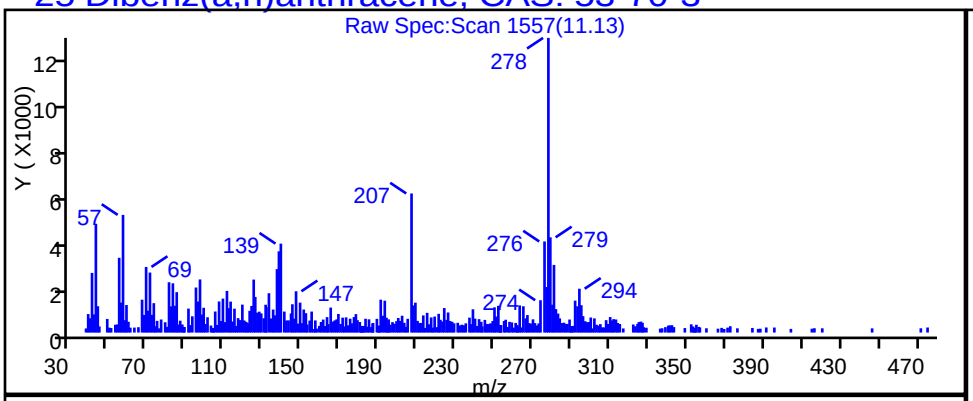


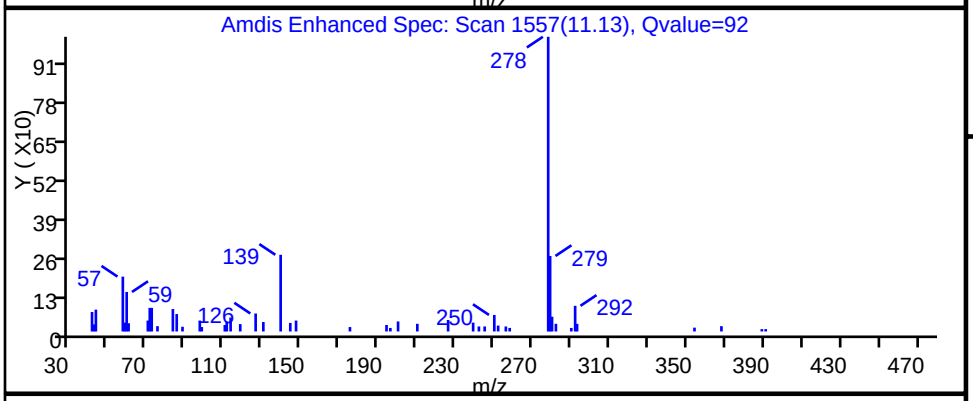
Report Date: 20-Oct-2014 09:22:36 Chrom Revision: 2.2 18-Aug-2014 12:17:36

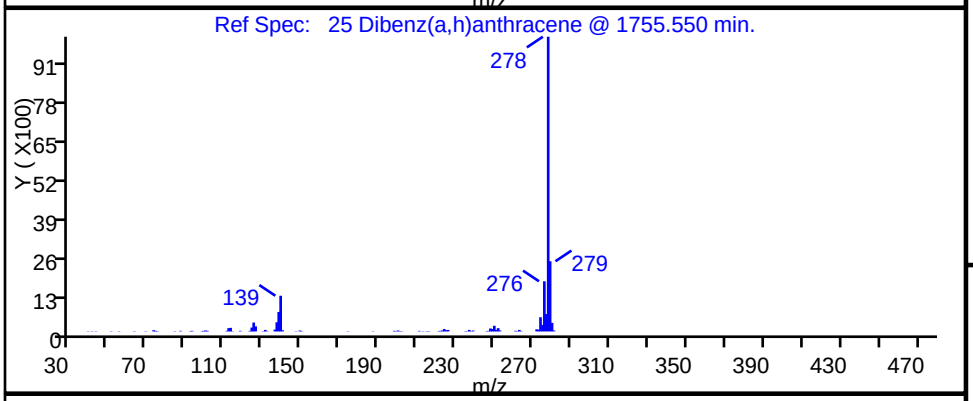
TestAmerica Savannah

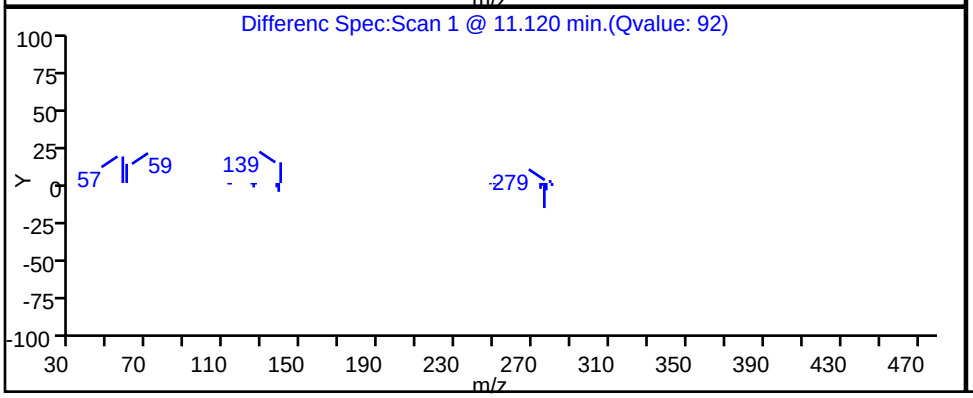
Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

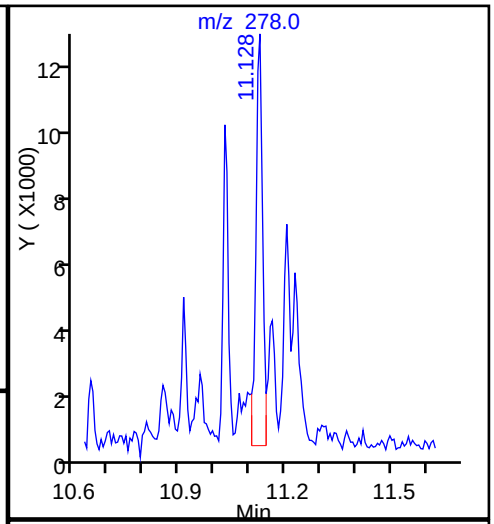
25 Dibenz(a,h)anthracene, CAS: 53-70-3

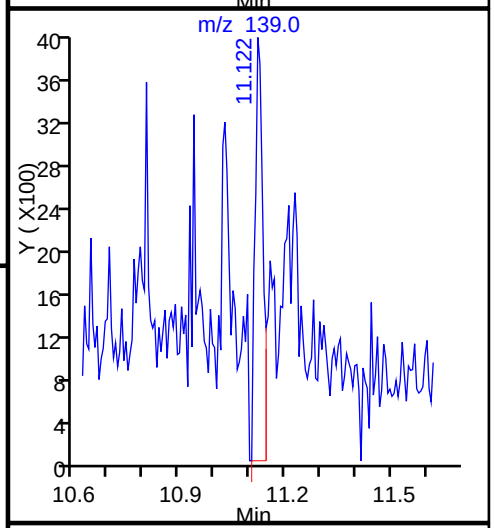


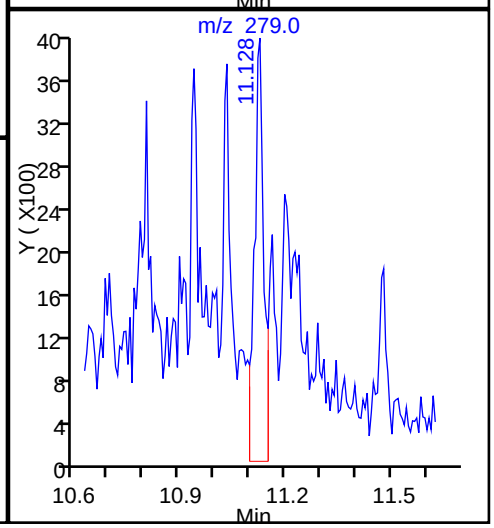










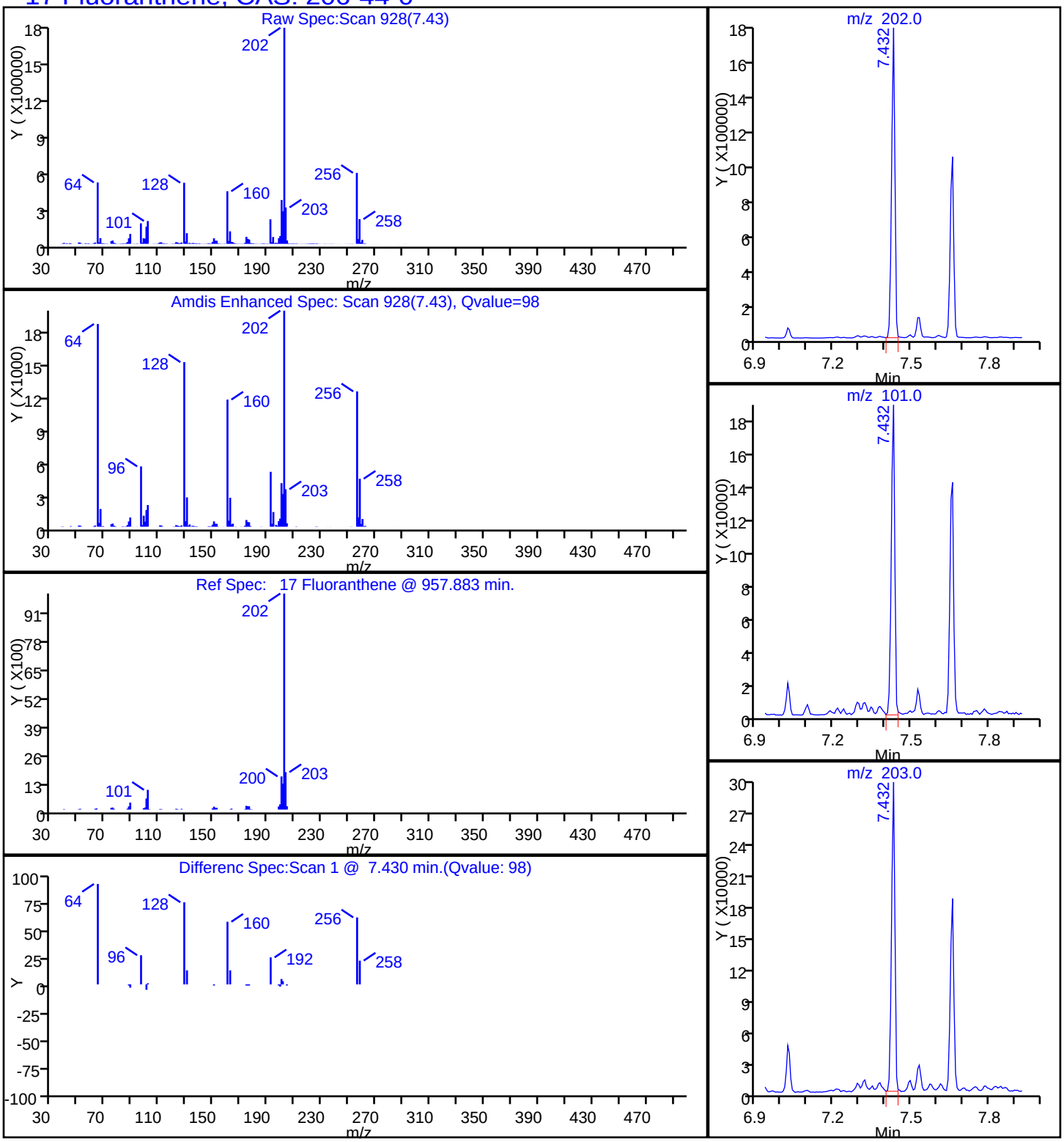


Report Date: 20-Oct-2014 09:22:36 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

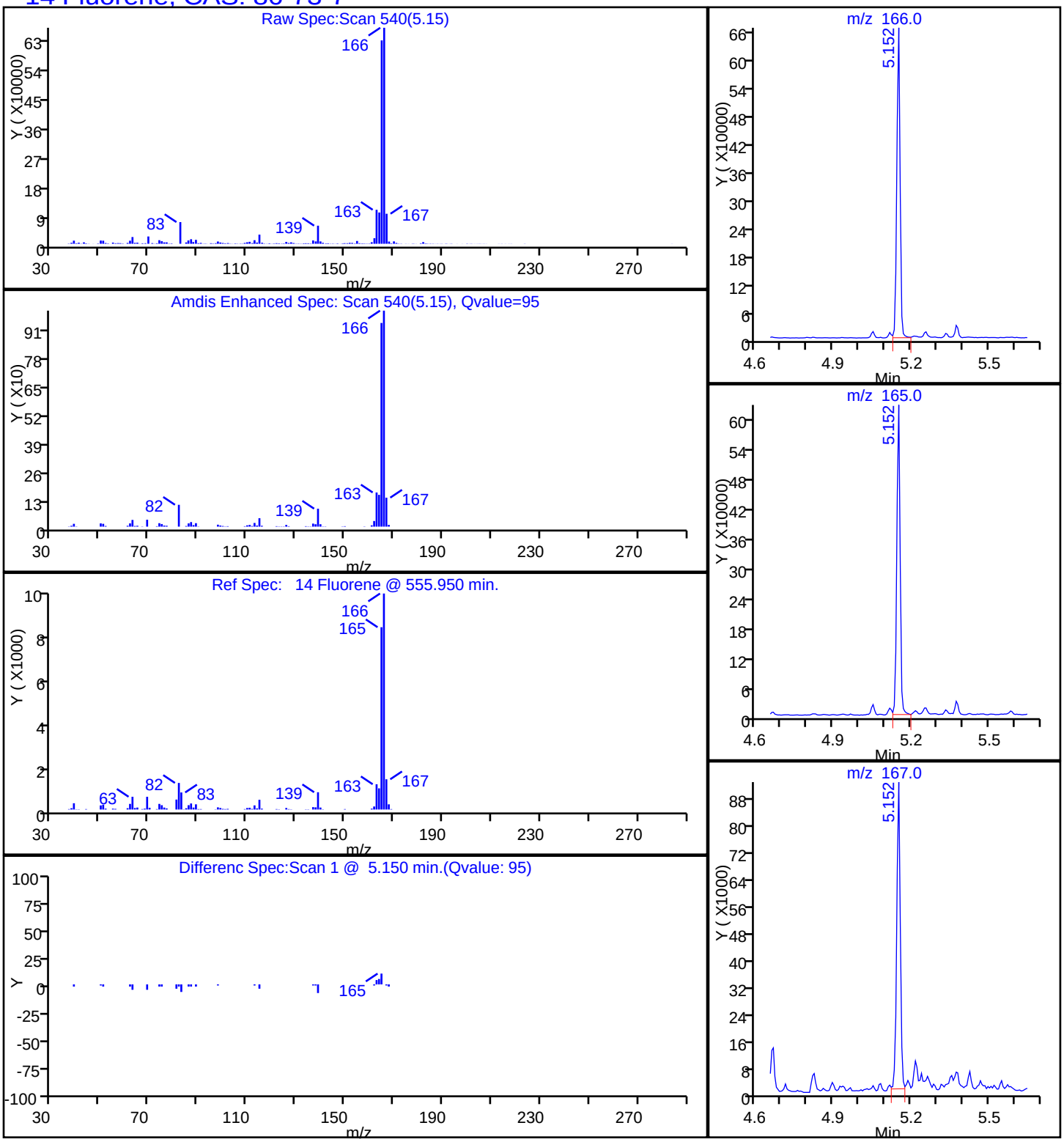


Report Date: 20-Oct-2014 09:22:35 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7

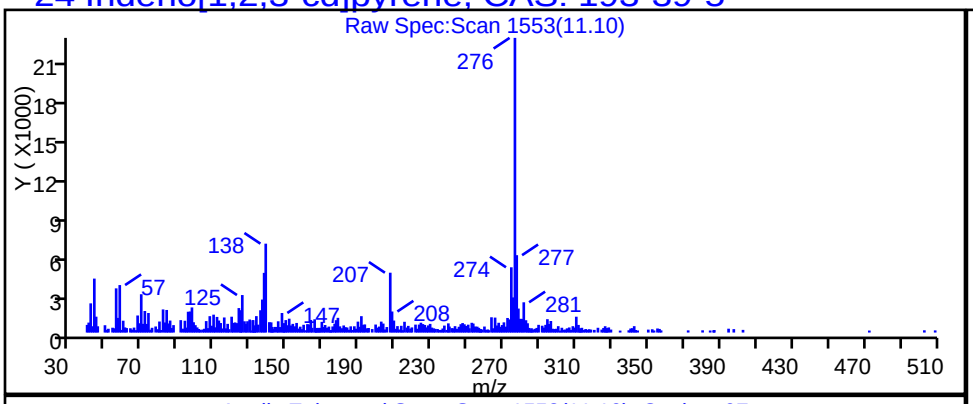


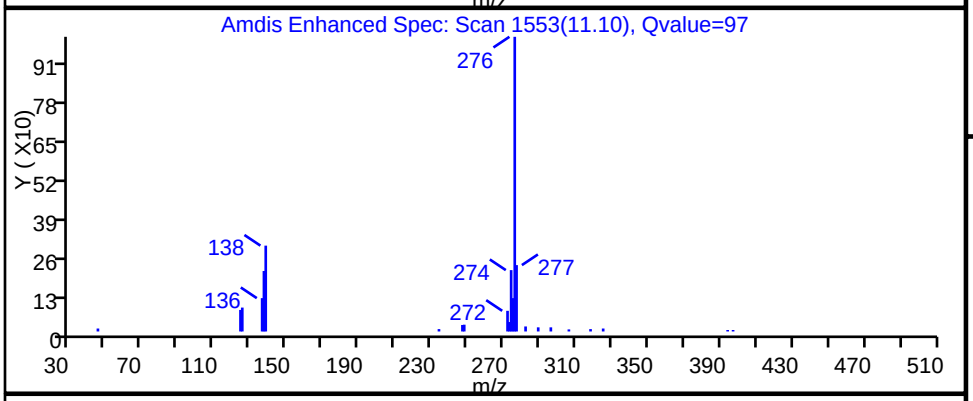
Report Date: 20-Oct-2014 09:22:36 Chrom Revision: 2.2 18-Aug-2014 12:17:36

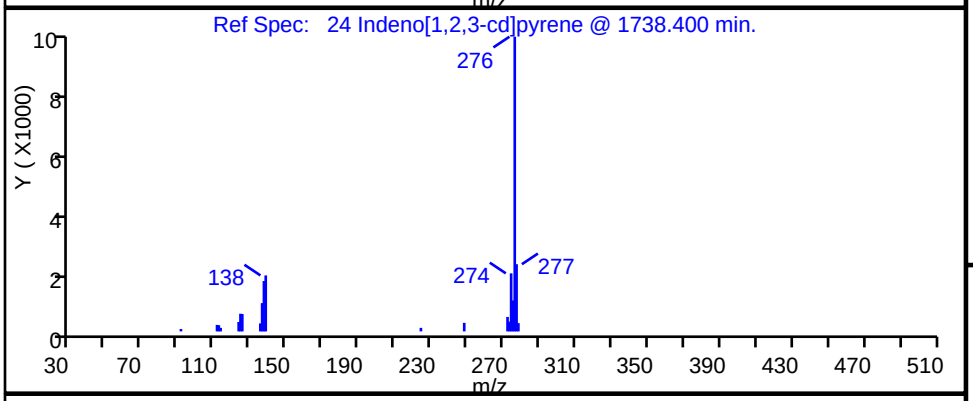
TestAmerica Savannah

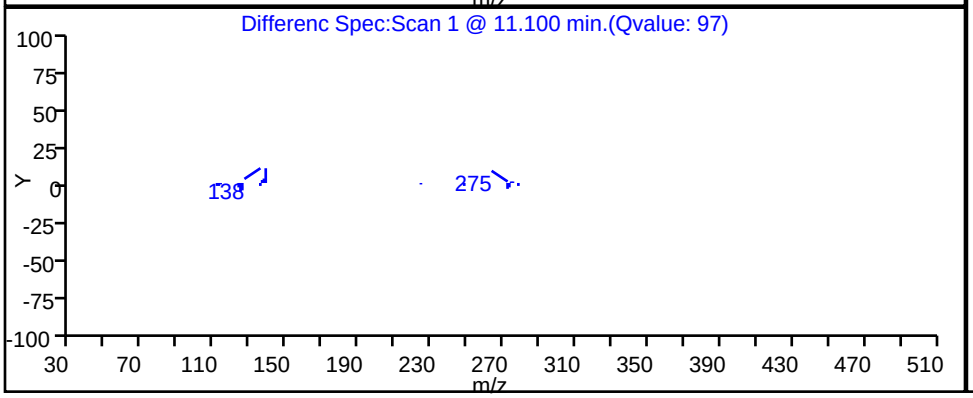
Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

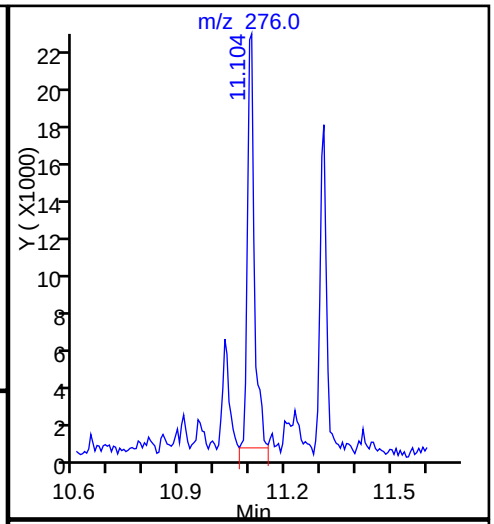
24 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

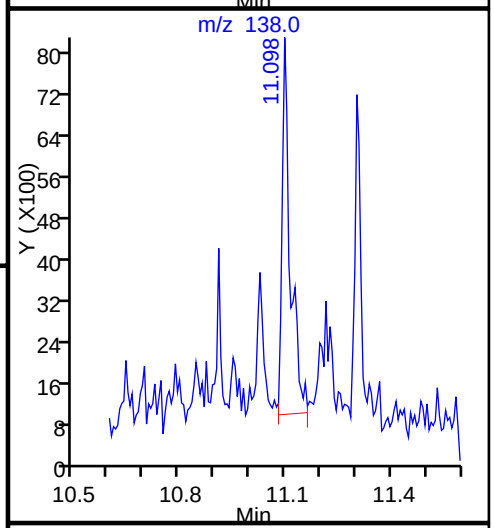


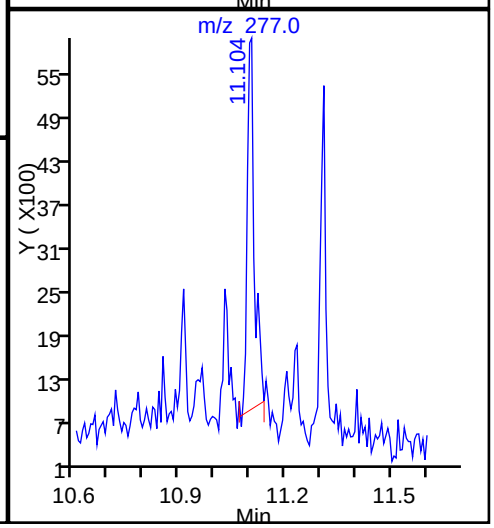










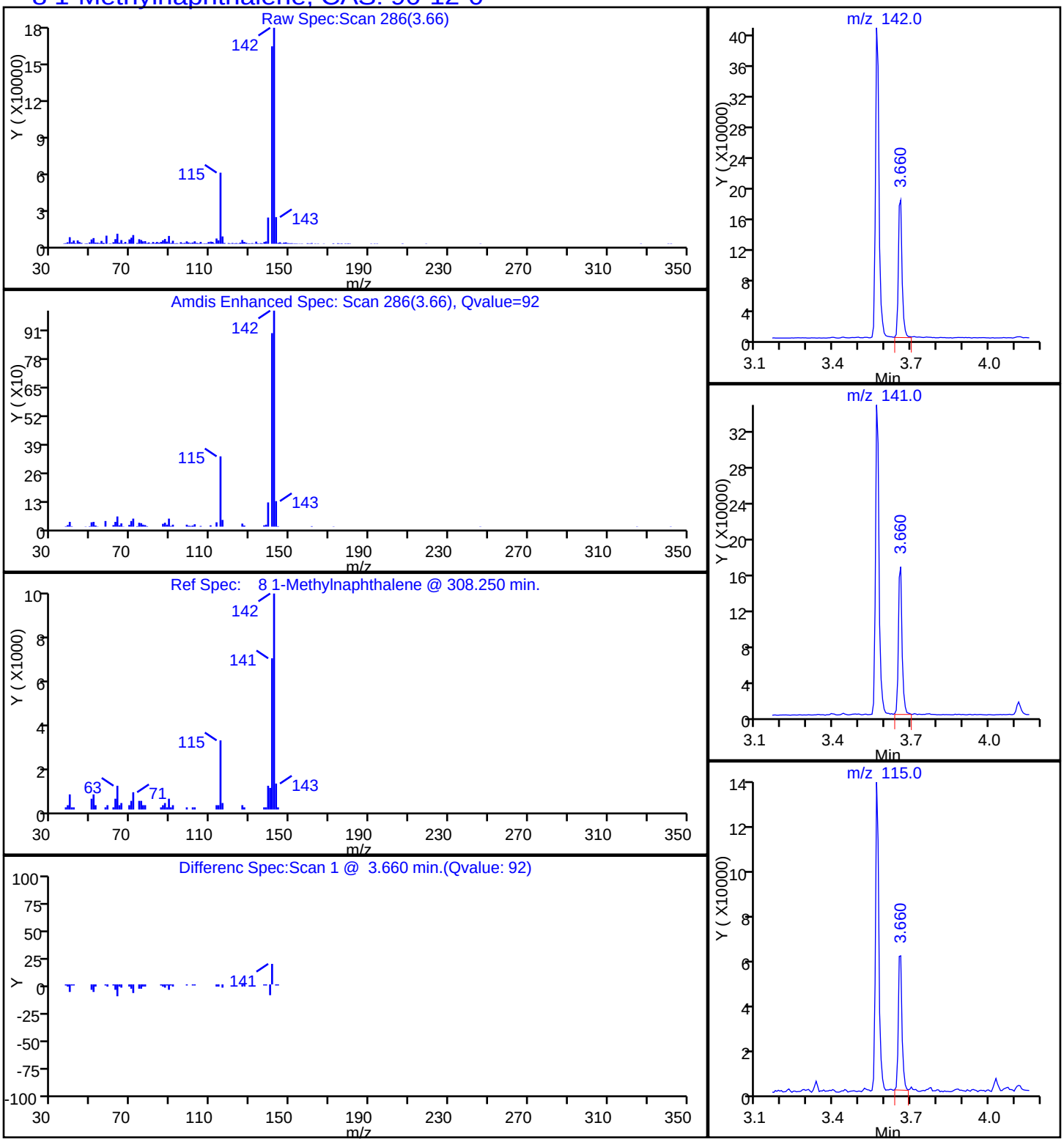


Report Date: 20-Oct-2014 09:22:35 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

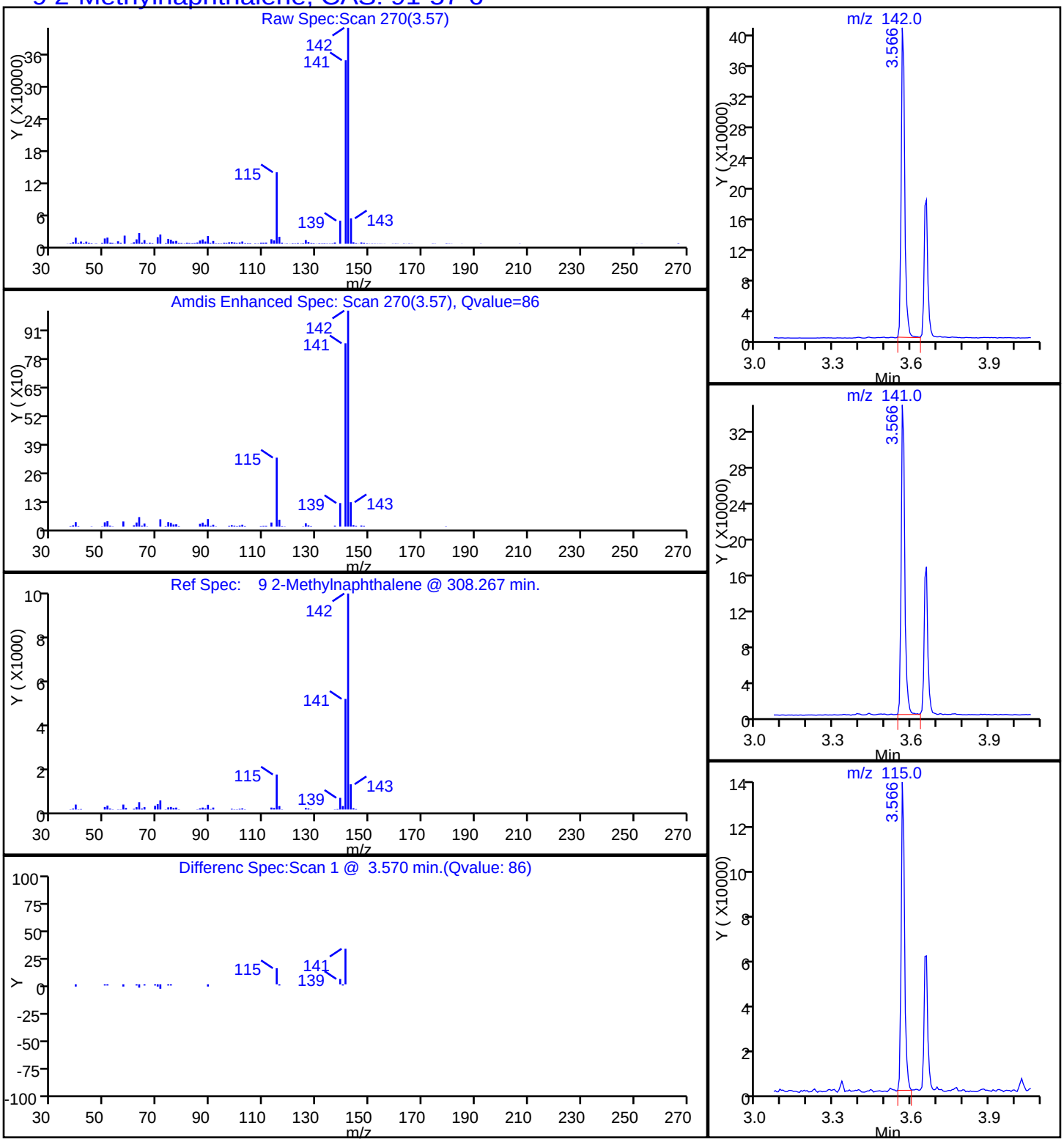


Report Date: 20-Oct-2014 09:22:35 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

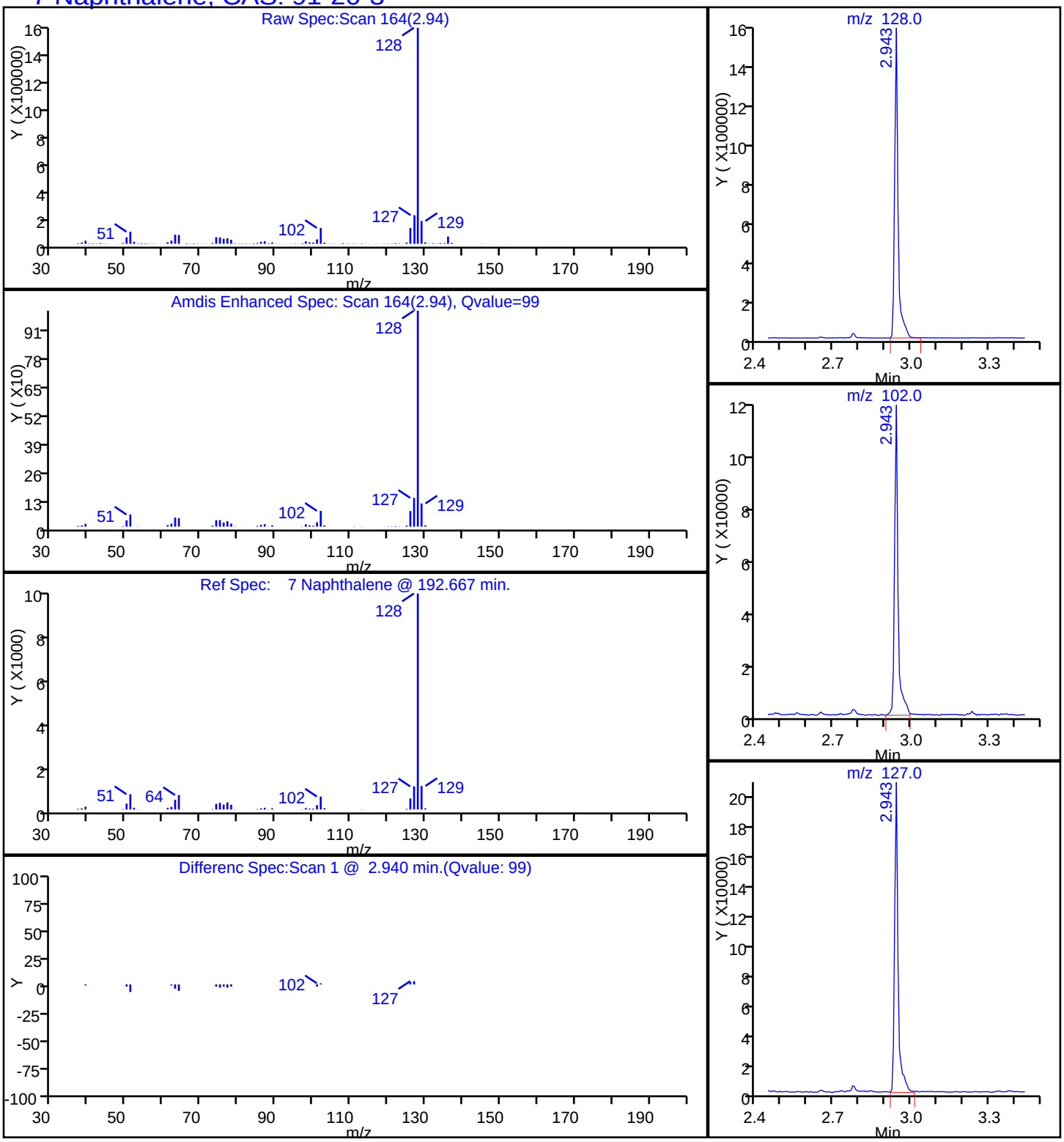


Report Date: 20-Oct-2014 09:22:35 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

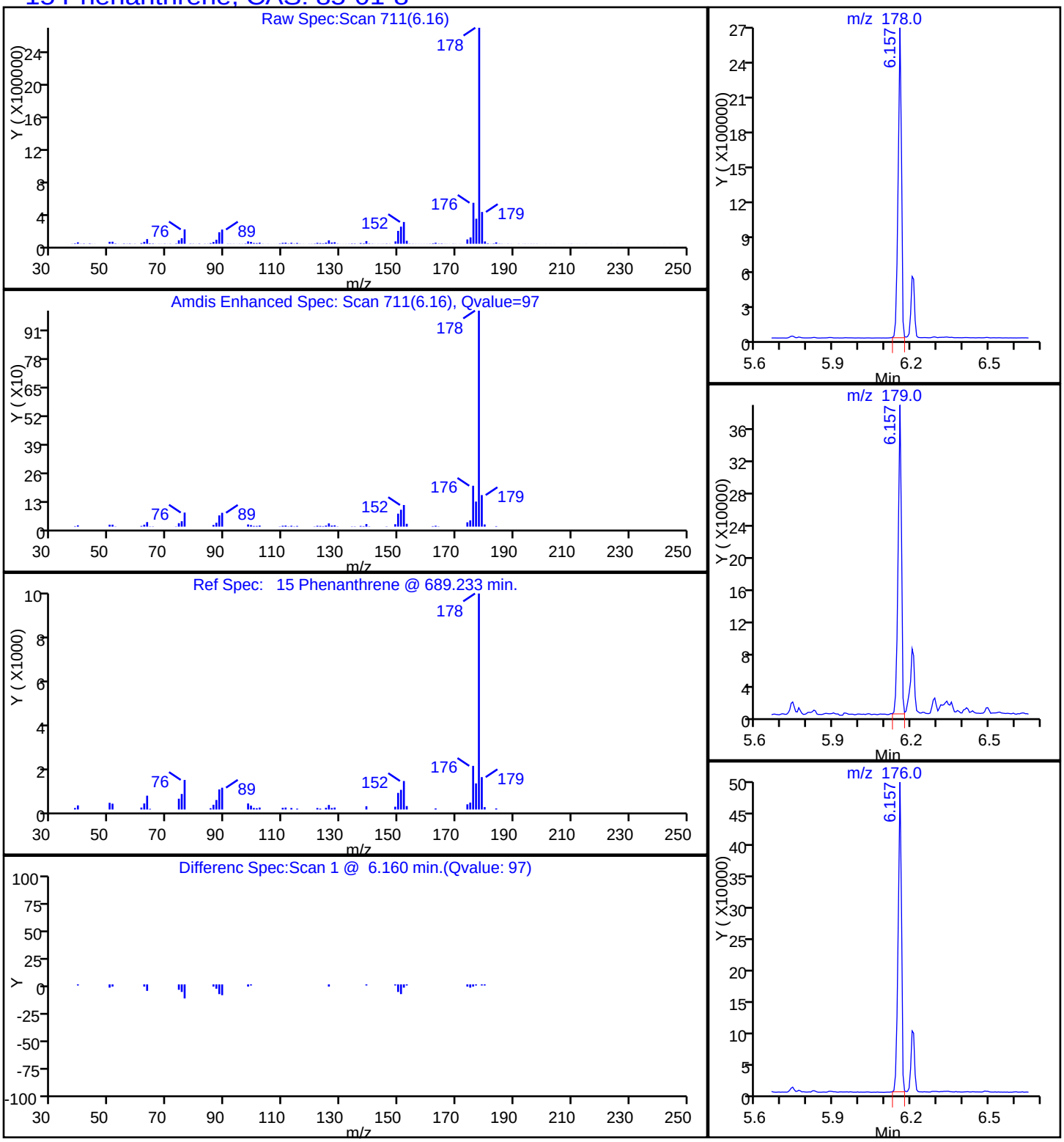


Report Date: 20-Oct-2014 09:22:35 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

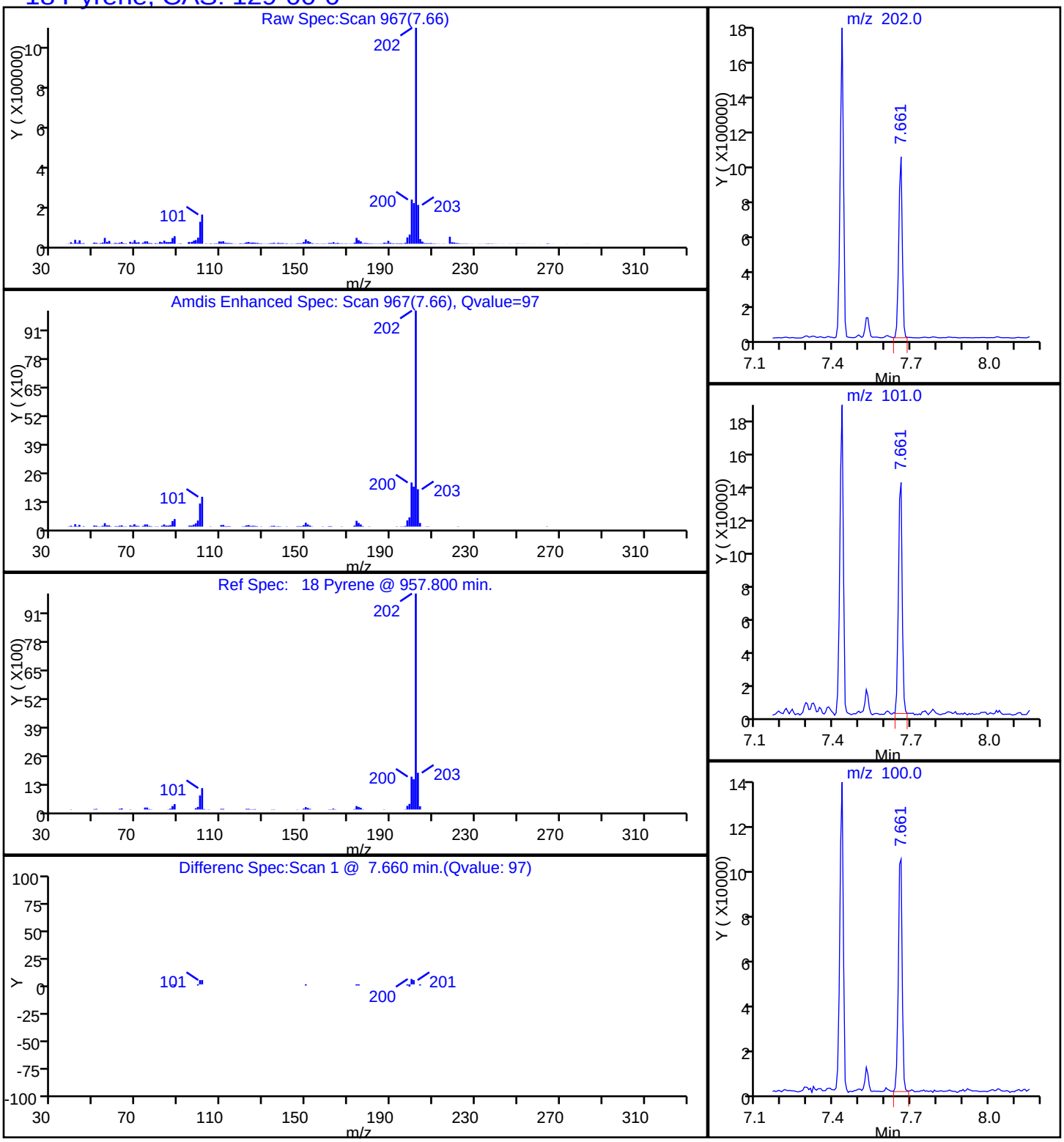


Report Date: 20-Oct-2014 09:22:36 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

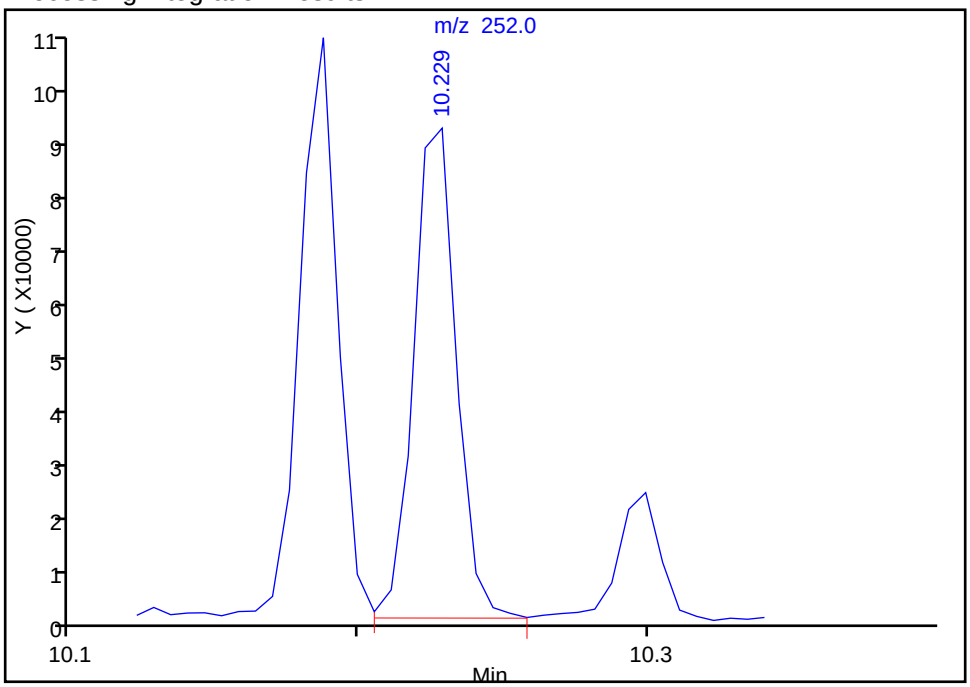
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1713.D				
Injection Date:	17-Oct-2014 15:17:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-38-A	Lab Sample ID:	680-106200-38		
Client ID:	CV0739A-CS18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

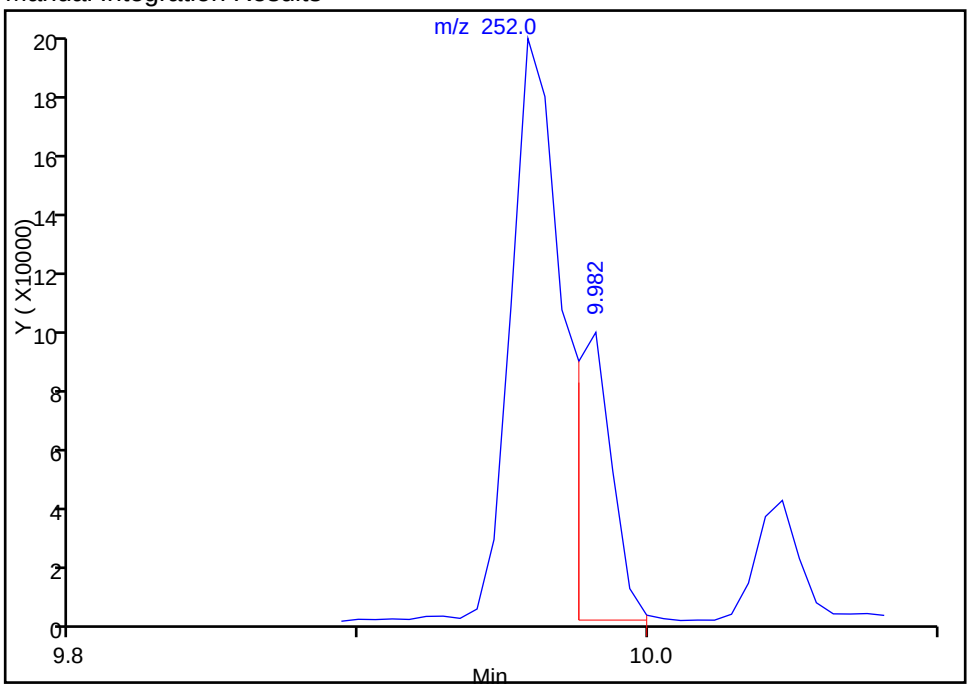
Processing Integration Results

RT: 10.23
Response: 94163
Amount: 0.729226



Manual Integration Results

RT: 9.98
Response: 84475
Amount: 0.654199



Reviewer: webbk, 17-Oct-2014 15:41:11
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0739A-CS24 | Lab Sample ID: 680-106200-39

Matrix: Solid | Lab File ID: 1KJ1708.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 14:20

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 12:13

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 17.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354071 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	10		8.1	4.0
208-96-8	Acenaphthylene	37		8.1	4.0
120-12-7	Anthracene	16		8.1	4.0
56-55-3	Benzo[a]anthracene	71		8.1	4.0
50-32-8	Benzo[a]pyrene	38		8.1	1.5
205-99-2	Benzo[b]fluoranthene	110		8.1	4.0
191-24-2	Benzo[g,h,i]perylene	12		8.1	4.0
207-08-9	Benzo[k]fluoranthene	32		8.1	2.4
218-01-9	Chrysene	120		8.1	4.0
53-70-3	Dibenz(a,h)anthracene	6.8	J	8.1	4.0
206-44-0	Fluoranthene	140		8.1	4.0
86-73-7	Fluorene	15		8.1	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	7.8	J	8.1	4.0
90-12-0	1-Methylnaphthalene	69		8.1	3.7
91-57-6	2-Methylnaphthalene	88		8.1	4.0
91-20-3	Naphthalene	150		8.1	4.0
85-01-8	Phenanthrene	130		8.1	2.9
129-00-0	Pyrene	110		8.1	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	59		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D
Lims ID: 680-106200-A-39-A Lab Sample ID: 680-106200-39
Client ID: CV0739A-CS24
Sample Type: Client
Inject. Date: 17-Oct-2014 12:13:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 680-106200-A-39-A
Misc. Info.: 680-0013846-008
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20141017-13846.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 17-Oct-2014 14:56:05 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: webbk Date: 17-Oct-2014 13:34:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.919	2.925	-0.006	98	505795	2.00	
* 2 Acenaphthene-d10	164	4.582	4.582	0.000	92	263808	2.00	
* 3 Phenanthrene-d10	188	6.133	6.127	0.006	98	390515	2.00	
* 4 Chrysene-d12	240	8.959	8.954	0.005	99	282457	2.00	
* 5 Perylene-d12	264	10.281	10.276	0.005	97	153914	2.00	
$ 6 o-Terphenyl	230	6.603	6.603	0.000	89	156073	1.17	
7 Naphthalene	128	2.937	2.943	-0.006	99	1010433	3.71	
9 2-Methylnaphthalene	142	3.566	3.566	0.000	86	350622	2.18	
8 1-Methylnaphthalene	142	3.654	3.660	-0.006	92	256366	1.72	
11 Acenaphthylene	152	4.435	4.435	0.000	97	233223	0.9275	
12 Acenaphthene	153	4.612	4.617	-0.005	93	40526	0.2470	
14 Fluorene	166	5.152	5.152	0.000	91	58568	0.3707	
15 Phenanthrene	178	6.157	6.151	0.006	97	734878	3.18	
16 Anthracene	178	6.210	6.204	0.006	98	82977	0.3883	
17 Fluoranthene	202	7.444	7.426	0.018	98	738065	3.35	
18 Pyrene	202	7.667	7.655	0.012	98	660232	2.77	
19 Benzo[a]anthracene	228	8.954	8.942	0.012	97	286749	1.76	
20 Chrysene	228	8.983	8.977	0.006	98	468240	2.90	
21 Benzo[b]fluoranthene	252	9.964	9.958	0.006	97	276796	2.75	M
22 Benzo[k]fluoranthene	252	9.988	9.982	0.006	97	78722	0.8022	M
23 Benzo[a]pyrene	252	10.234	10.229	0.005	96	81122	0.9363	
24 Indeno[1,2,3-cd]pyrene	276	11.110	11.116	-0.006	97	32093	0.1934	
25 Dibenz(a,h)anthracene	278	11.133	11.145	-0.012	92	14417	0.1675	
26 Benzo[g,h,i]perylene	276	11.316	11.327	-0.011	93	26589	0.2980	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

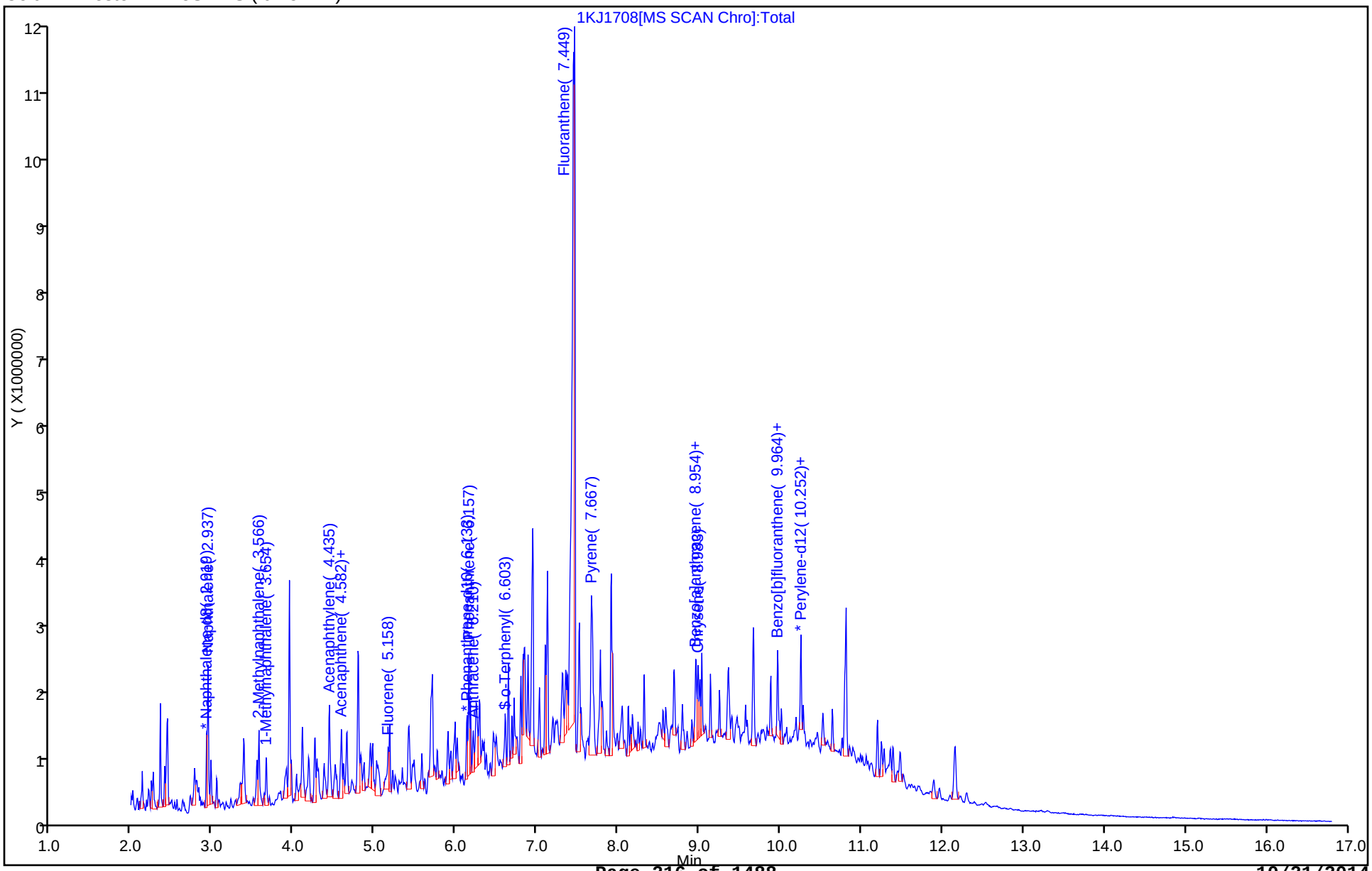
SM-LLISTD_00110 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39	Worklist Smp#:	8
Client ID:	CV0739A-CS24				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

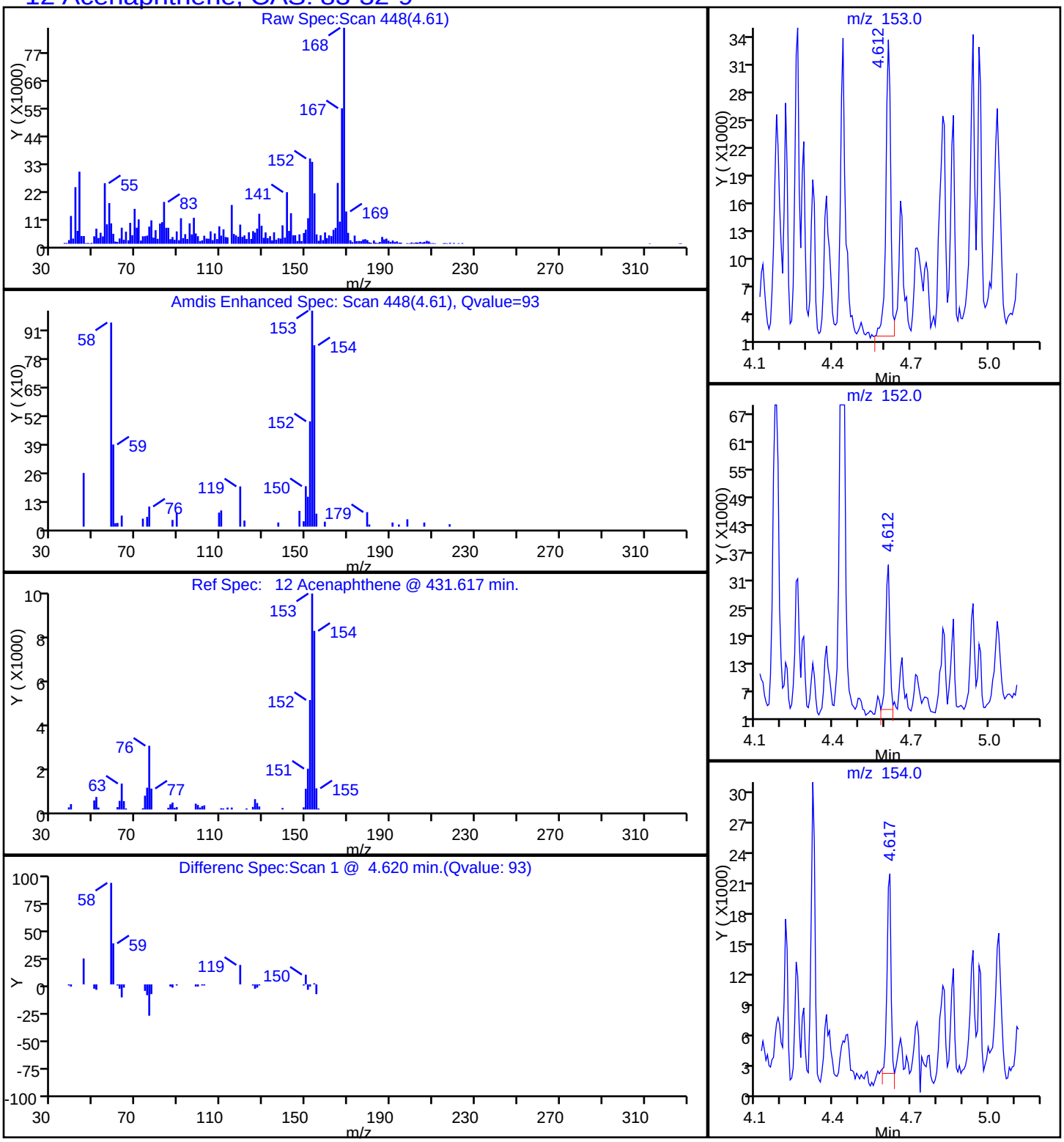


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthene, CAS: 83-32-9

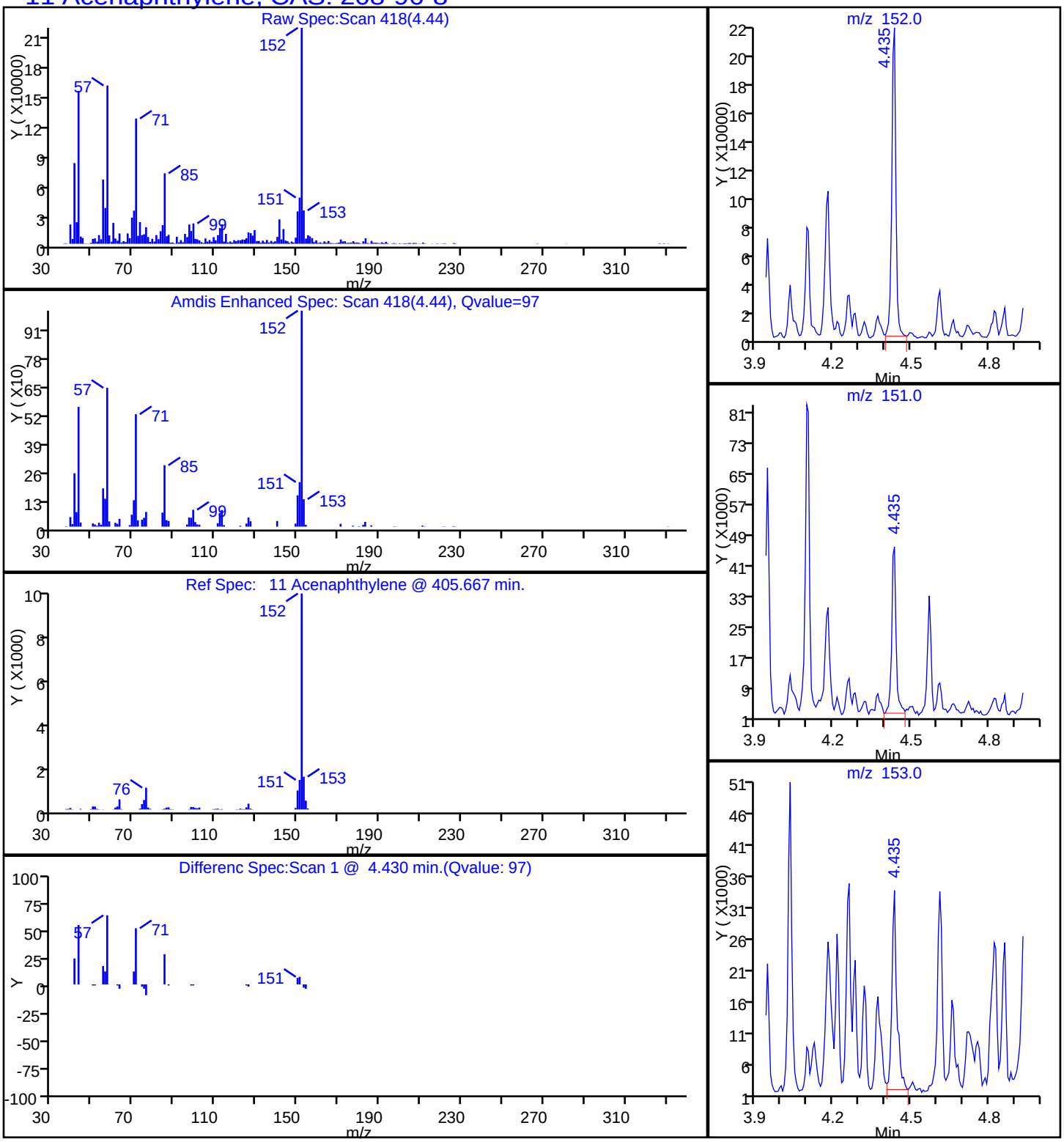


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

11 Acenaphthylene, CAS: 208-96-8

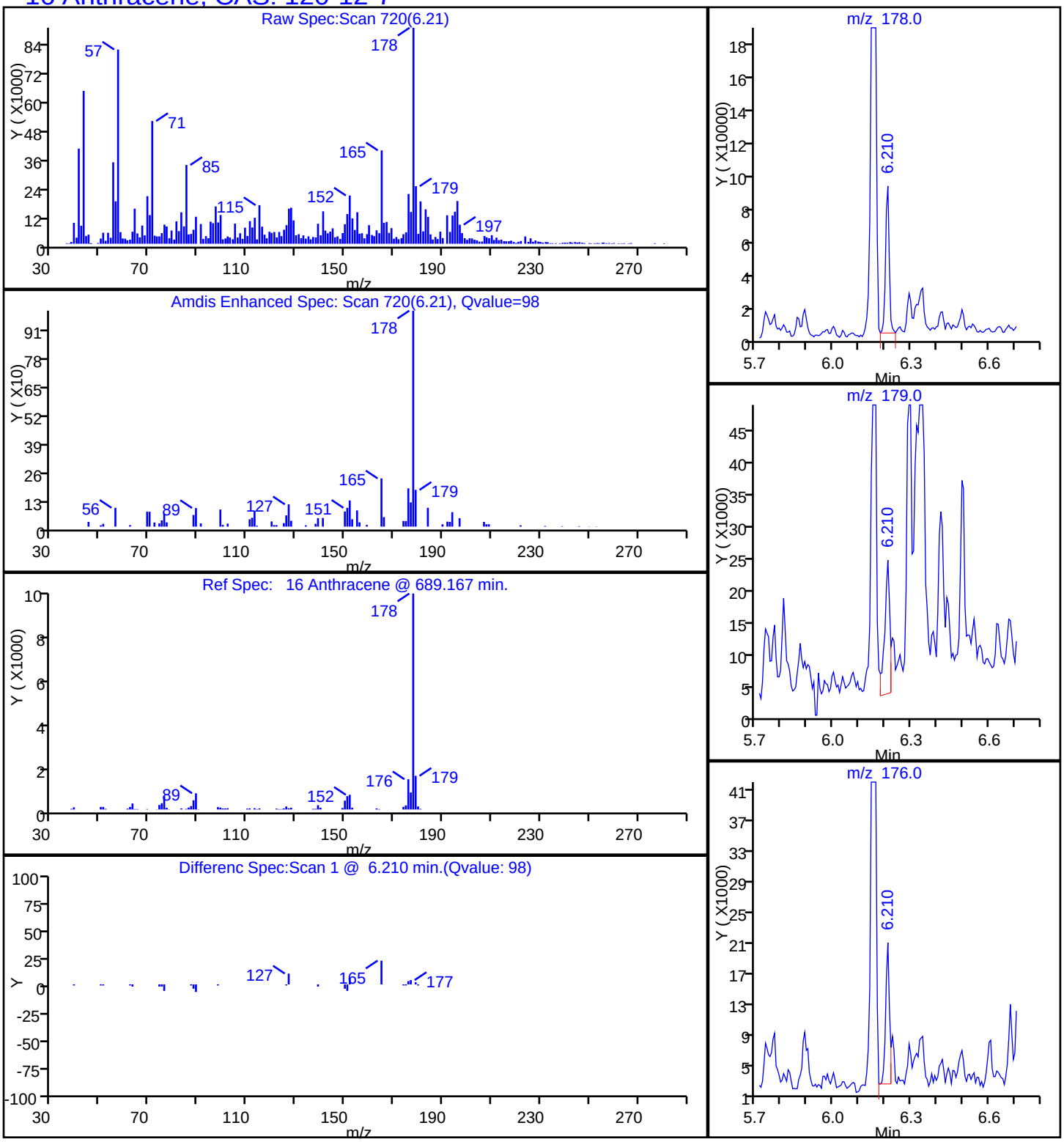


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

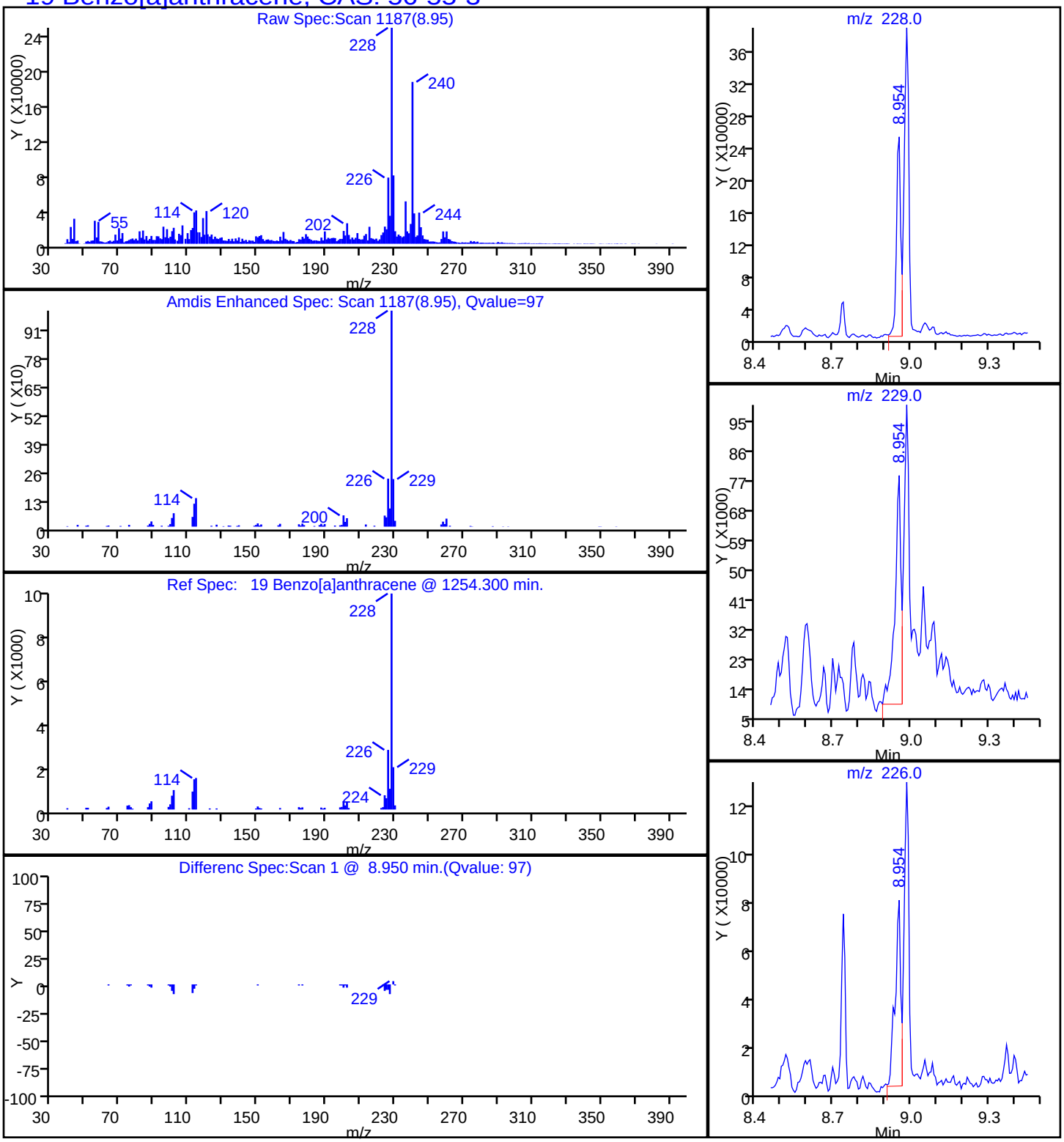


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

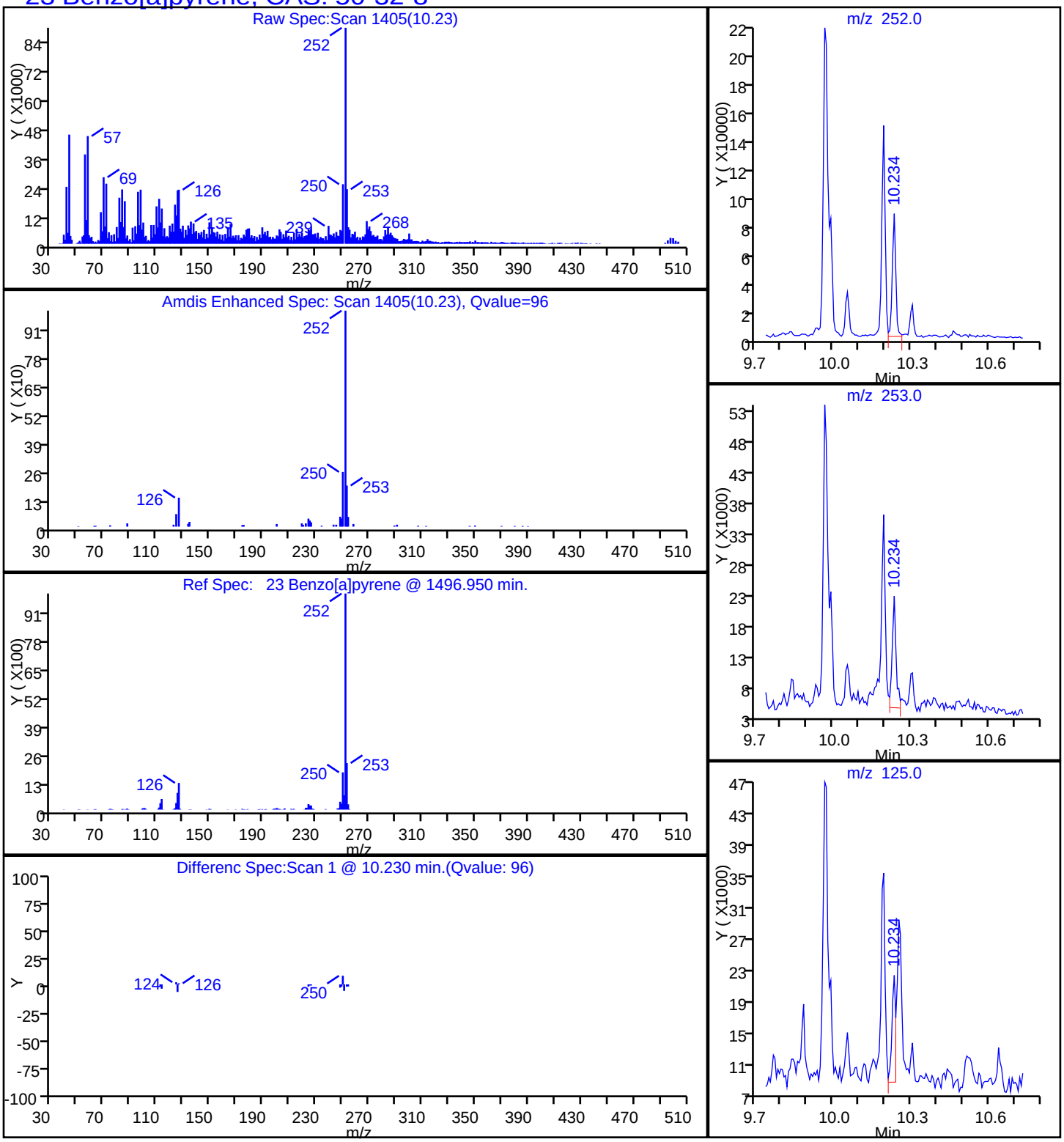


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

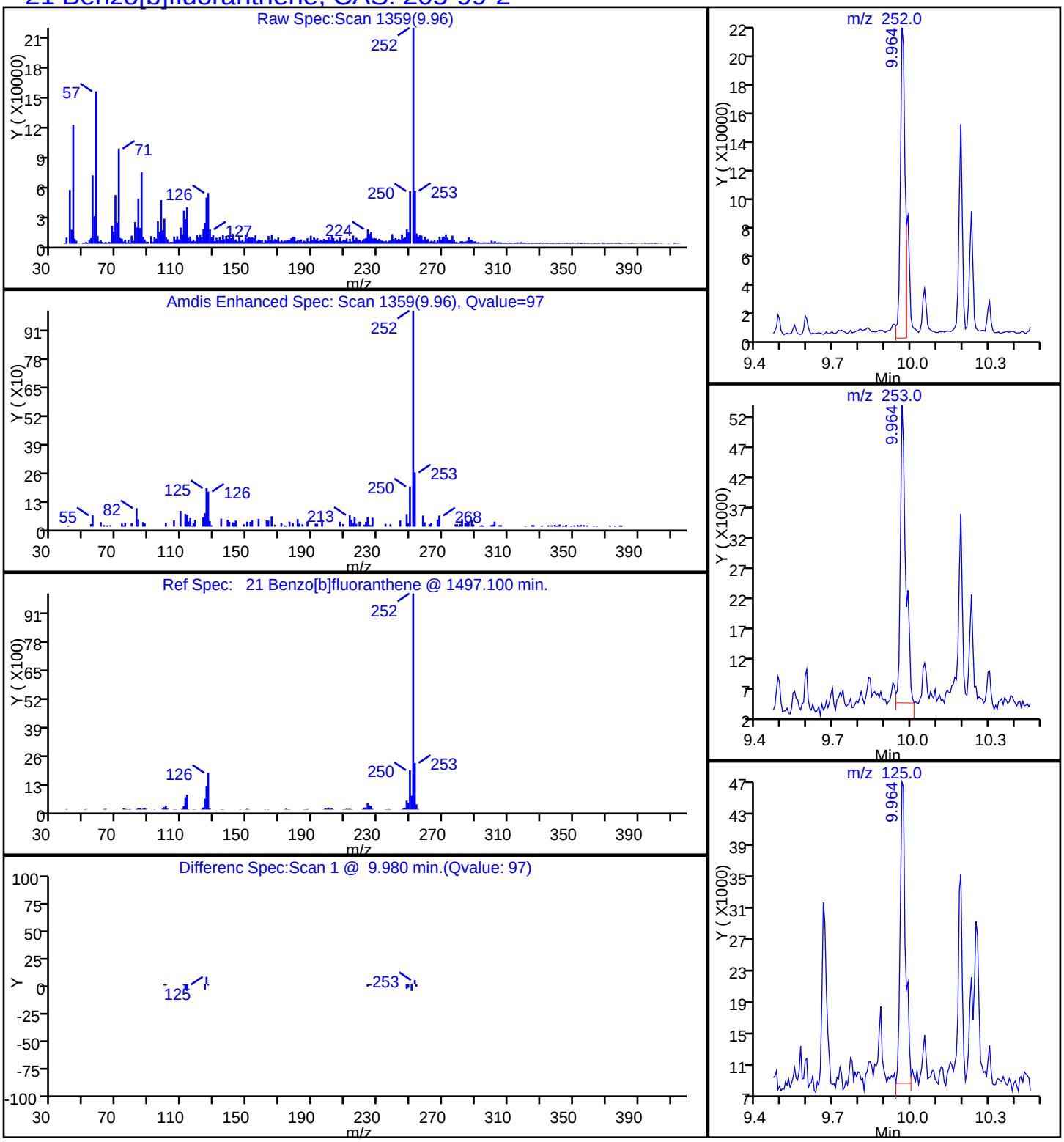


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

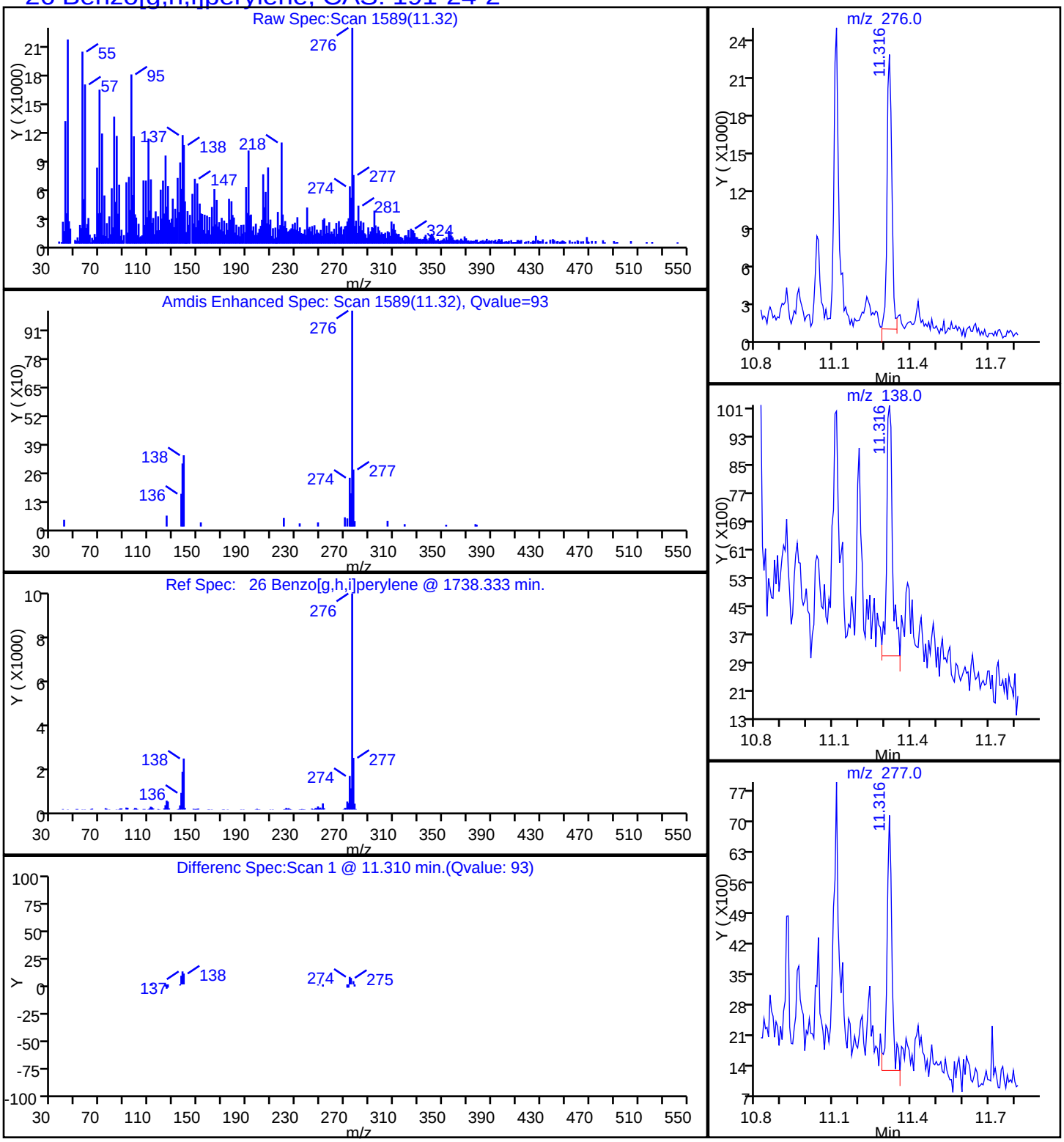


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

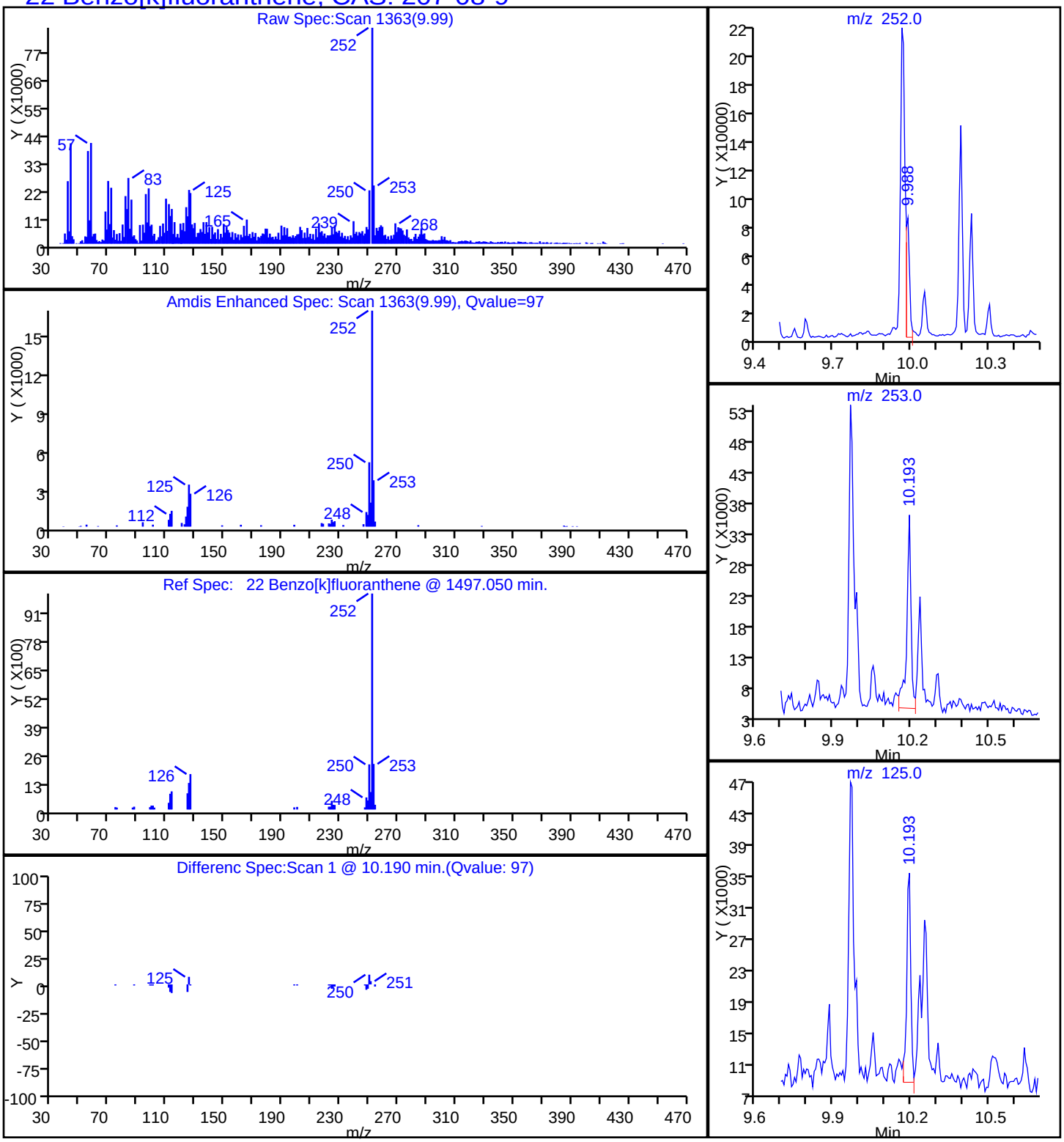


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

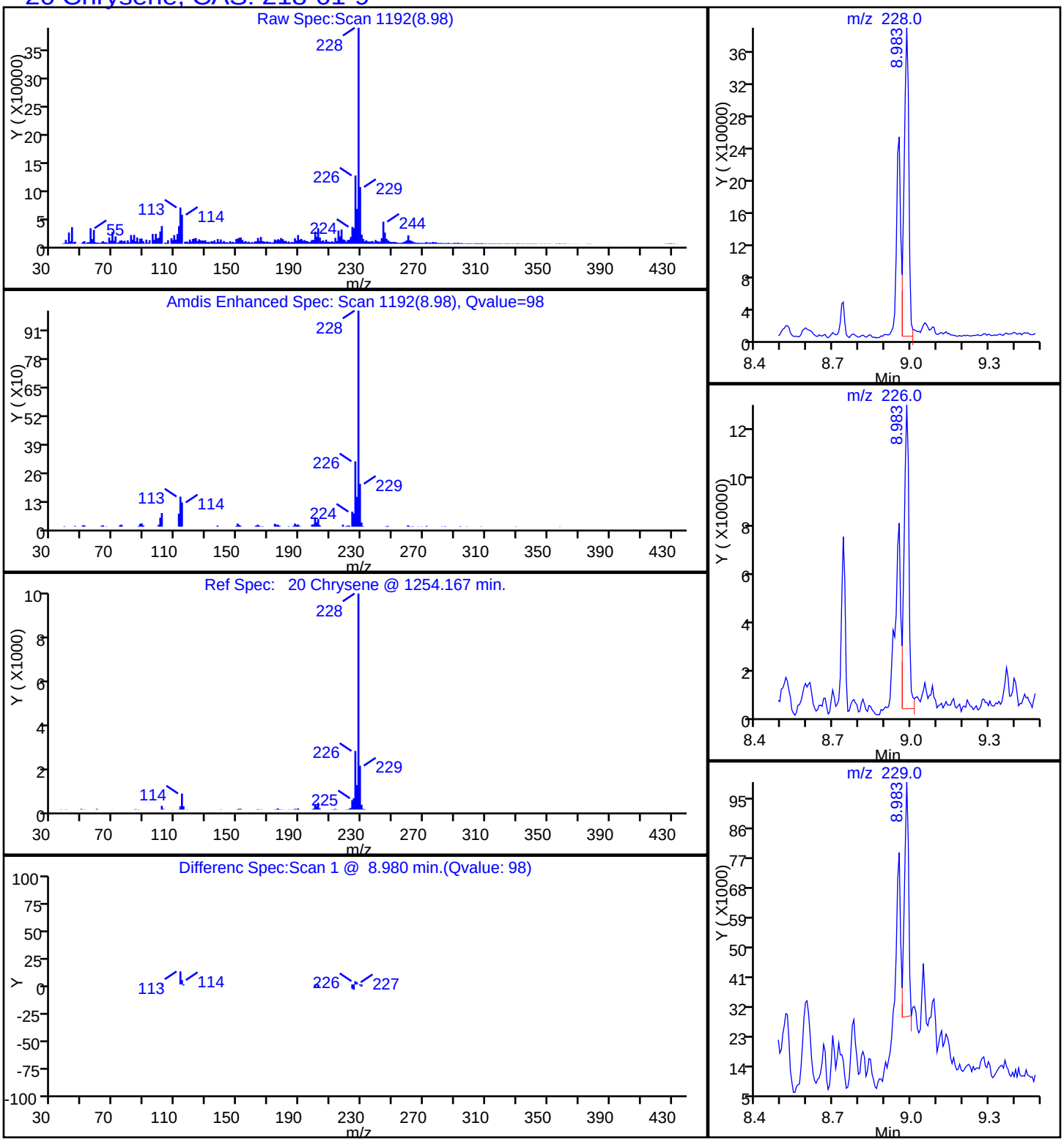


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

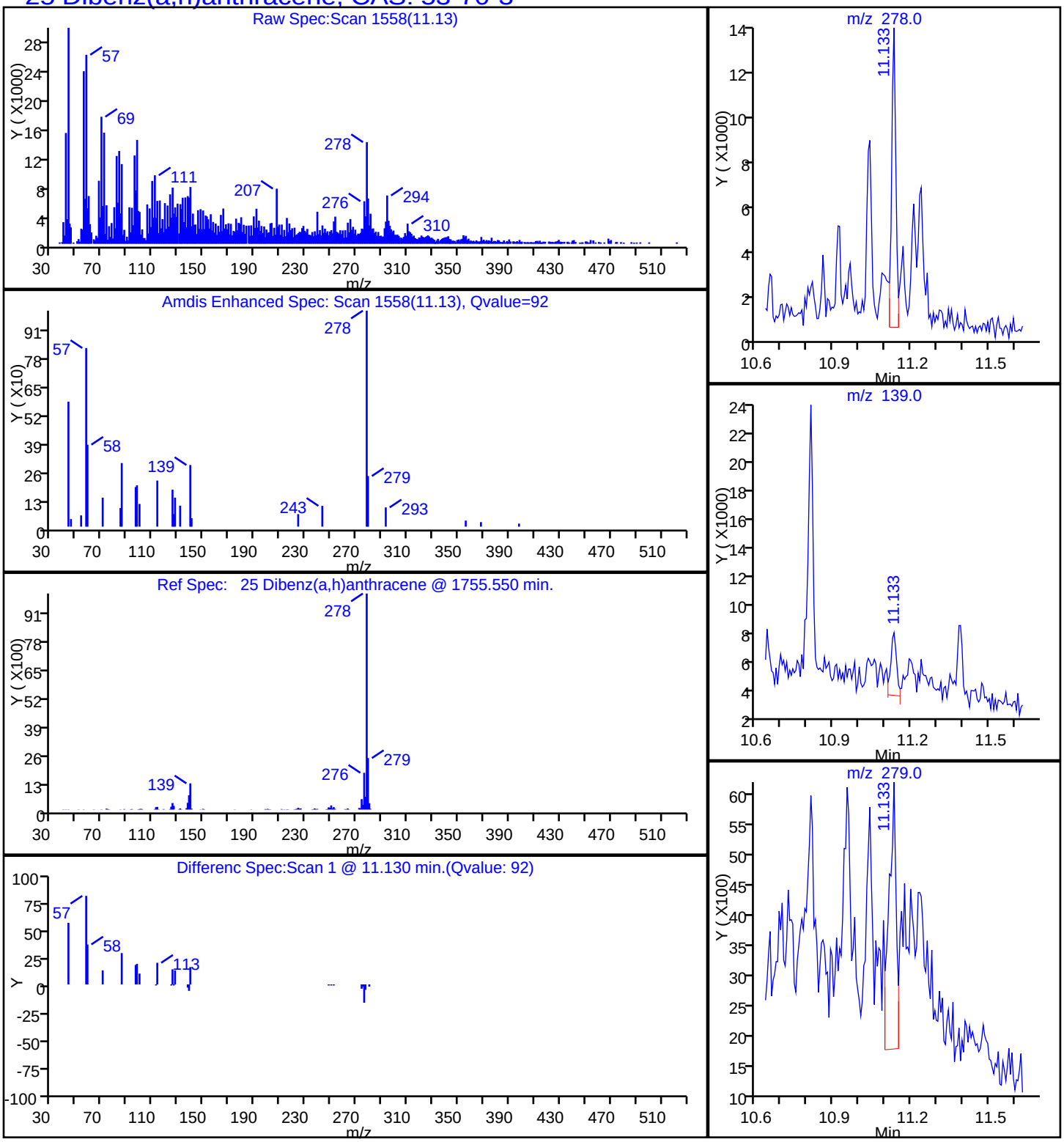


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

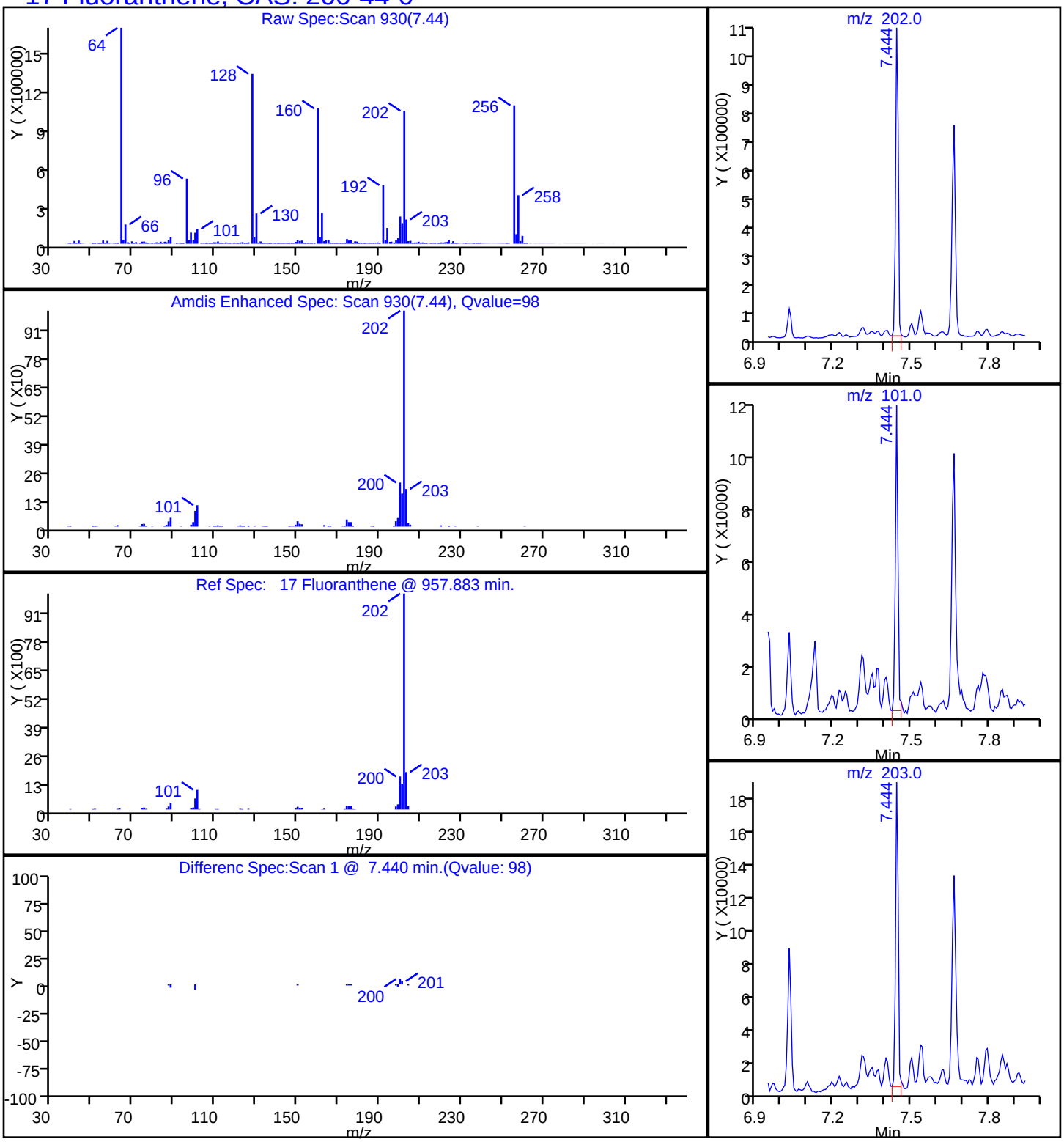


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

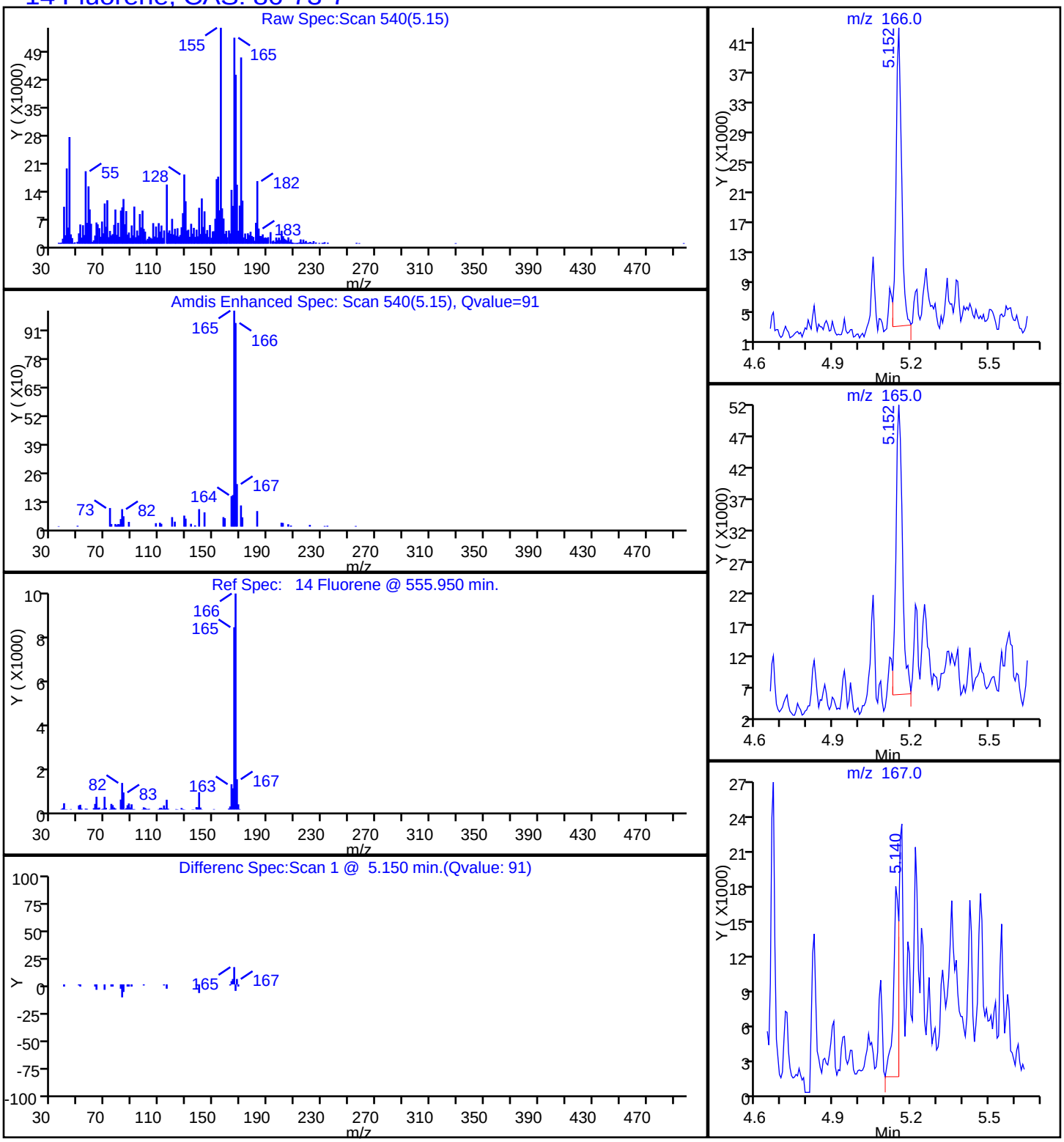


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7

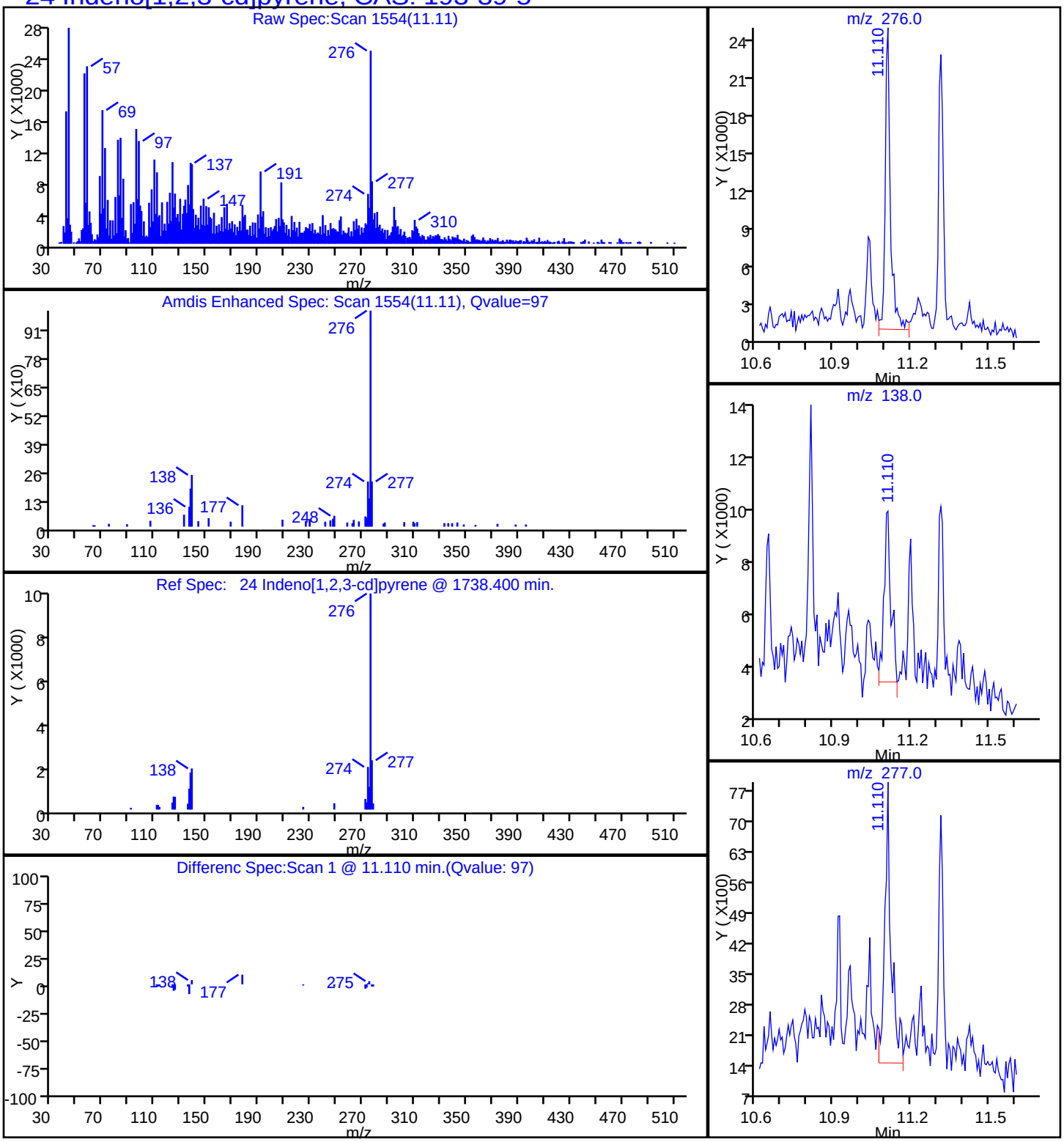


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

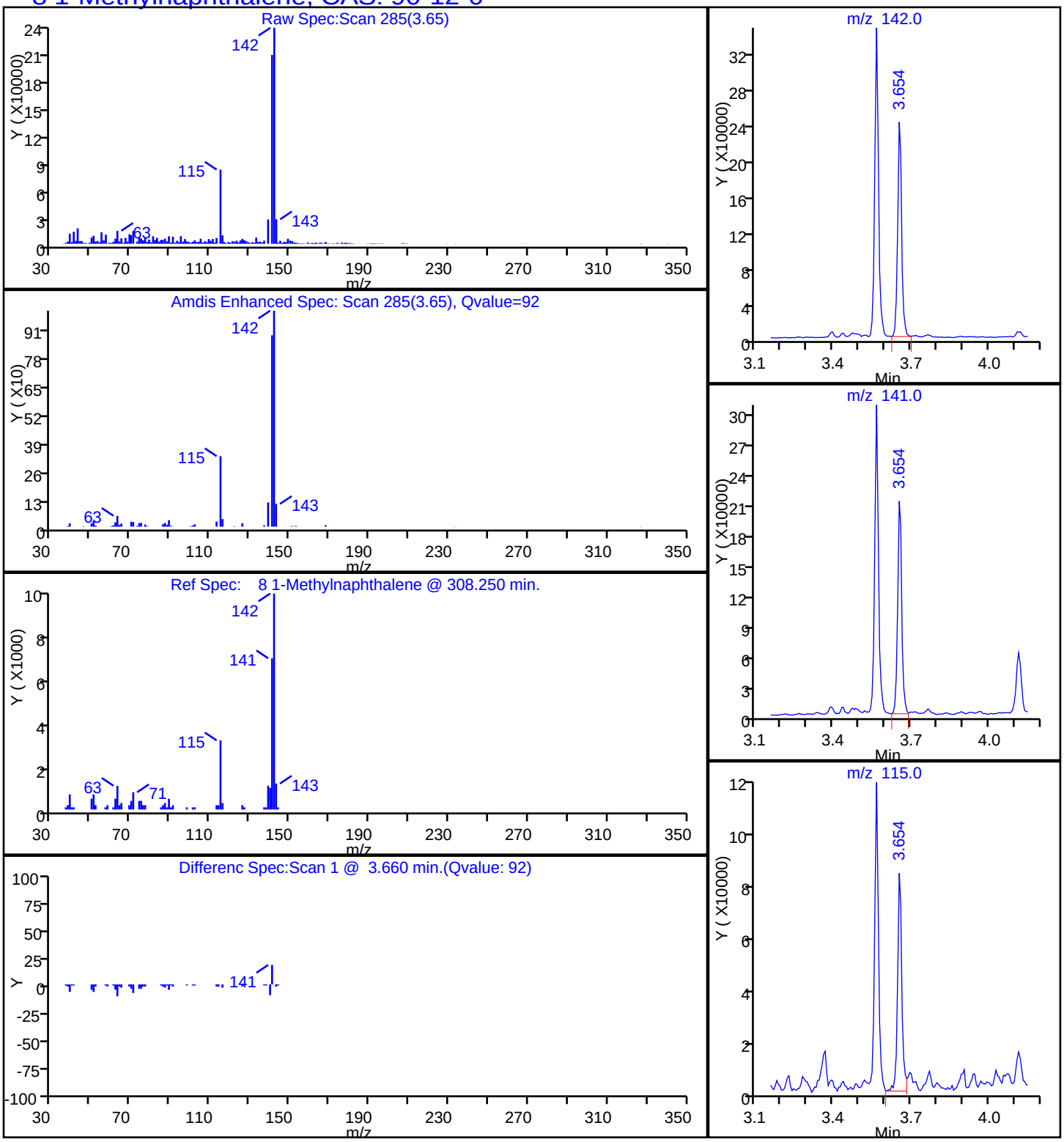


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

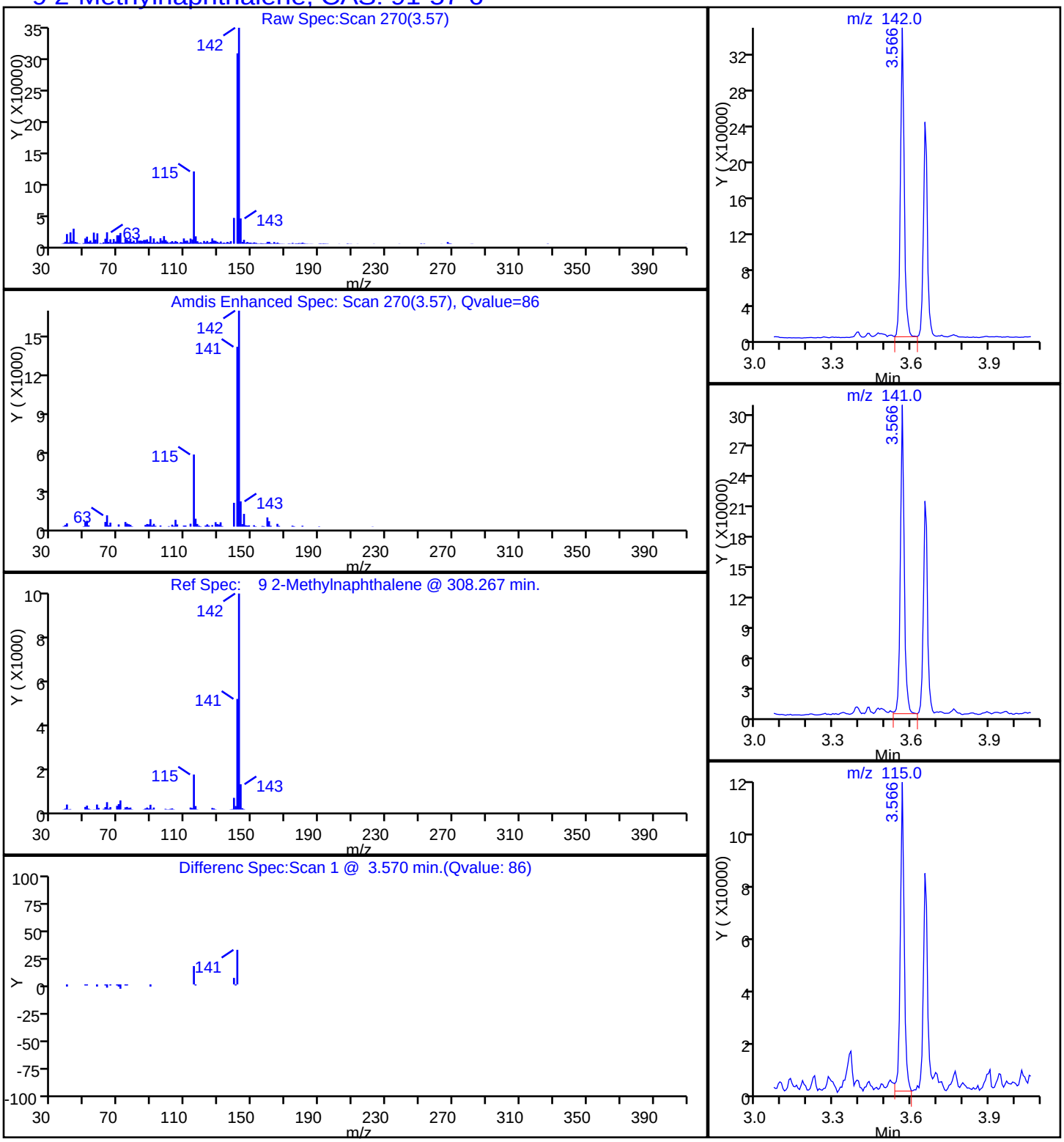


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

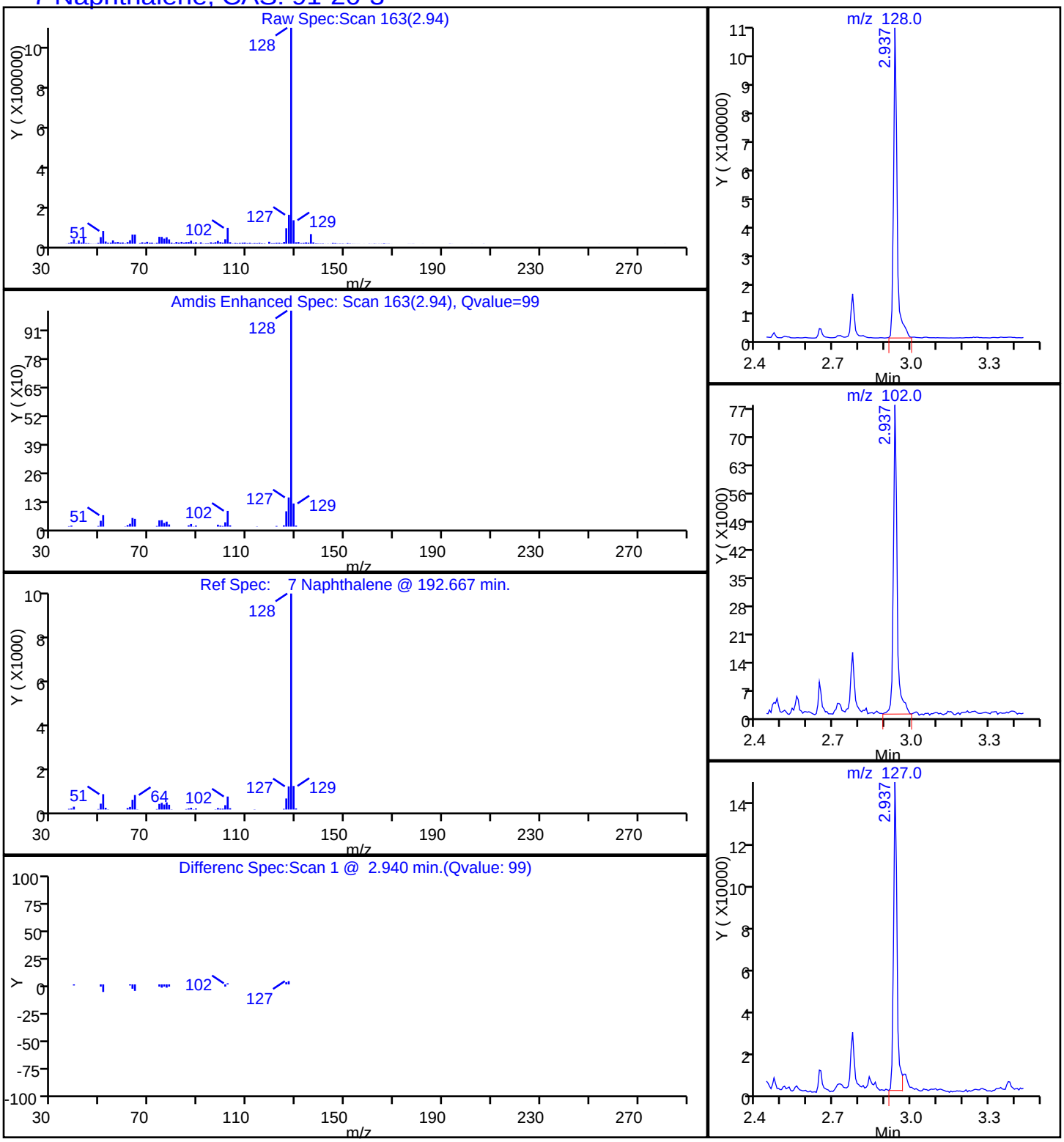


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

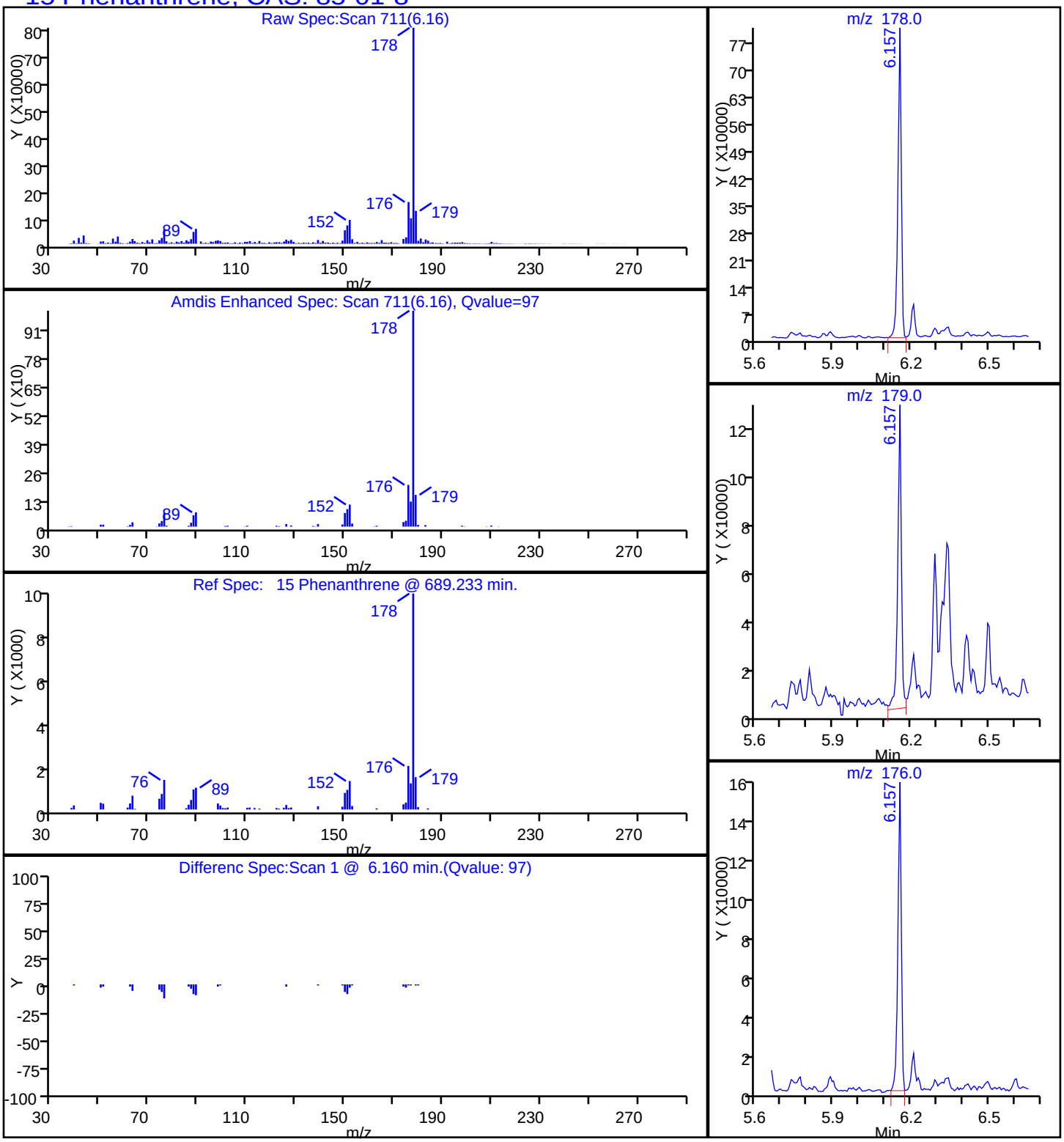


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

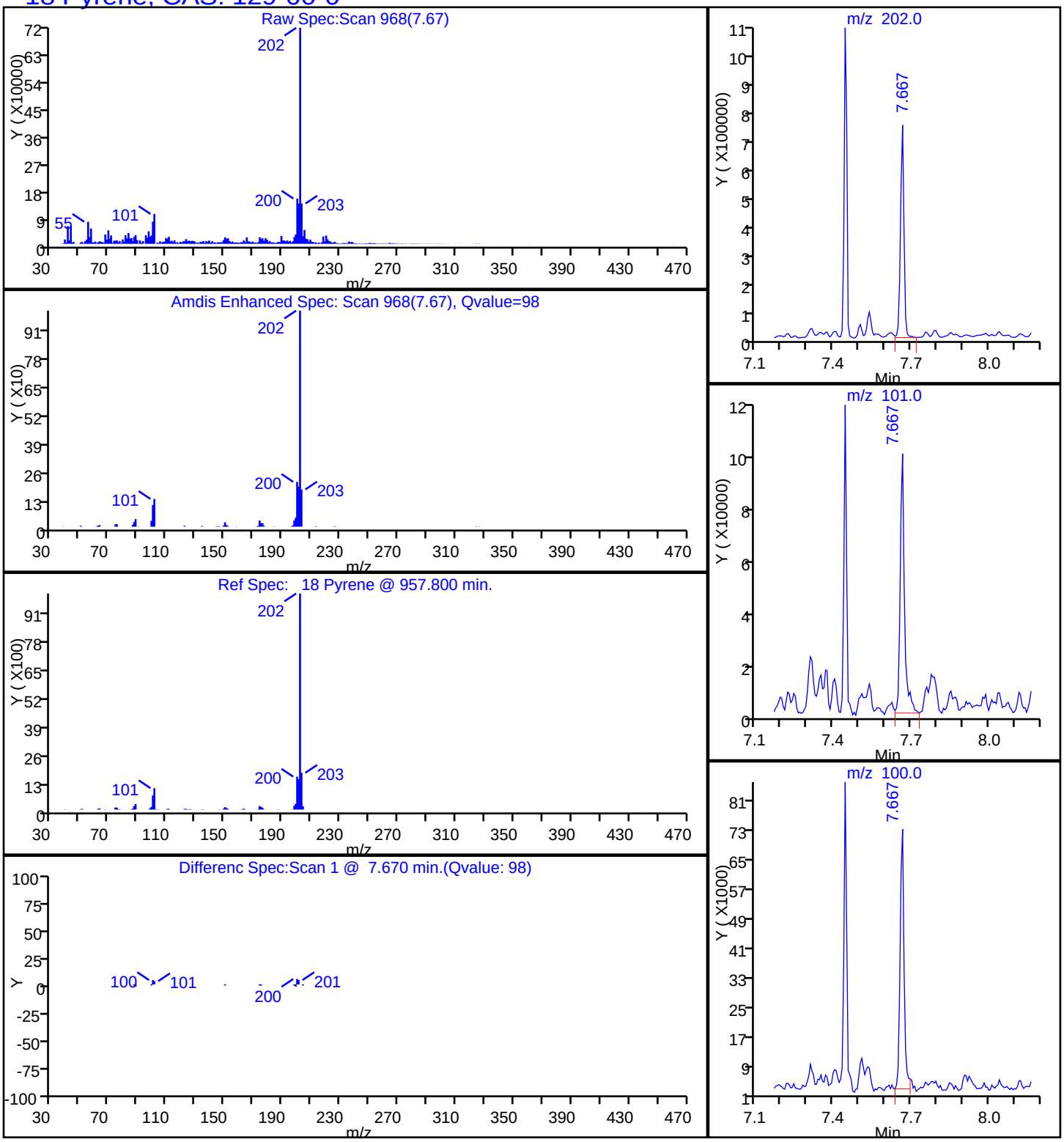


Report Date: 17-Oct-2014 14:56:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

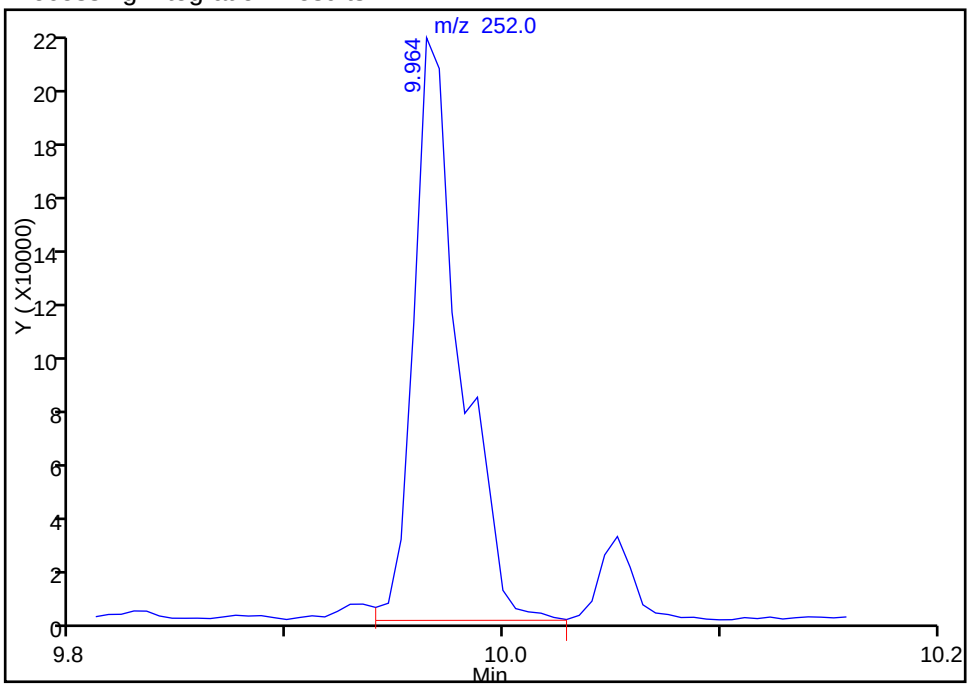
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

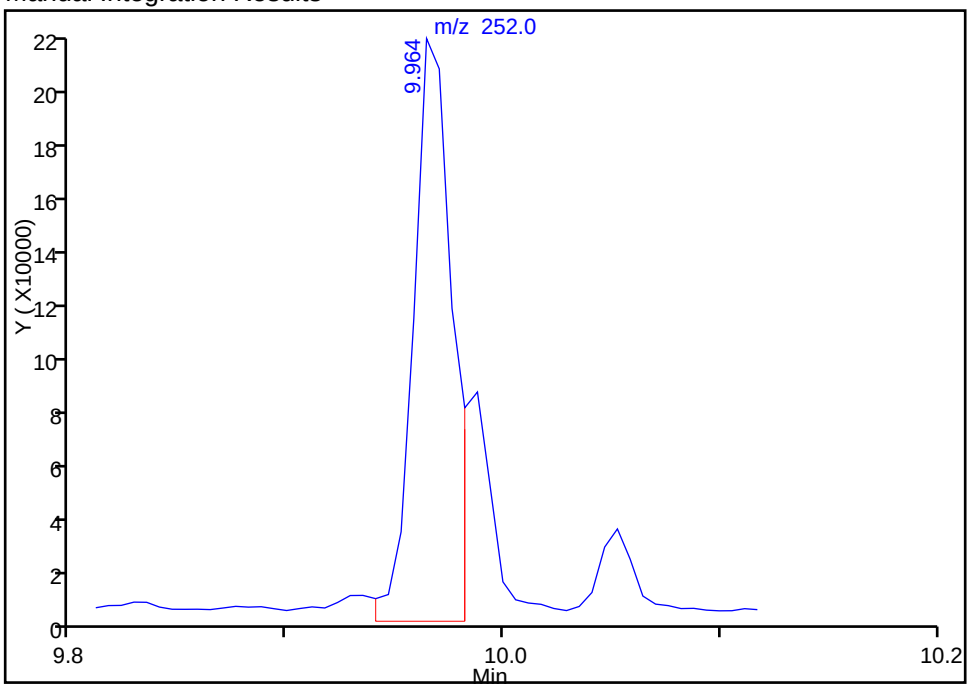
Processing Integration Results

RT: 9.96
Response: 319538
Amount: 3.169999



Manual Integration Results

RT: 9.96
Response: 276796
Amount: 2.745974



Reviewer: webbk, 17-Oct-2014 13:34:29
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

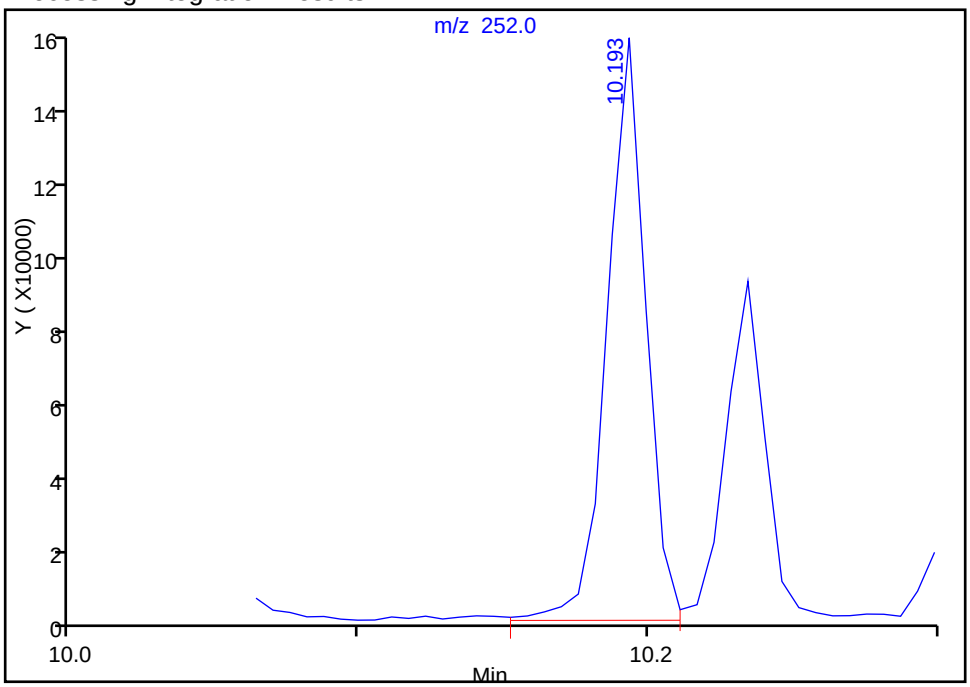
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1708.D				
Injection Date:	17-Oct-2014 12:13:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-39-A	Lab Sample ID:	680-106200-39		
Client ID:	CV0739A-CS24				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

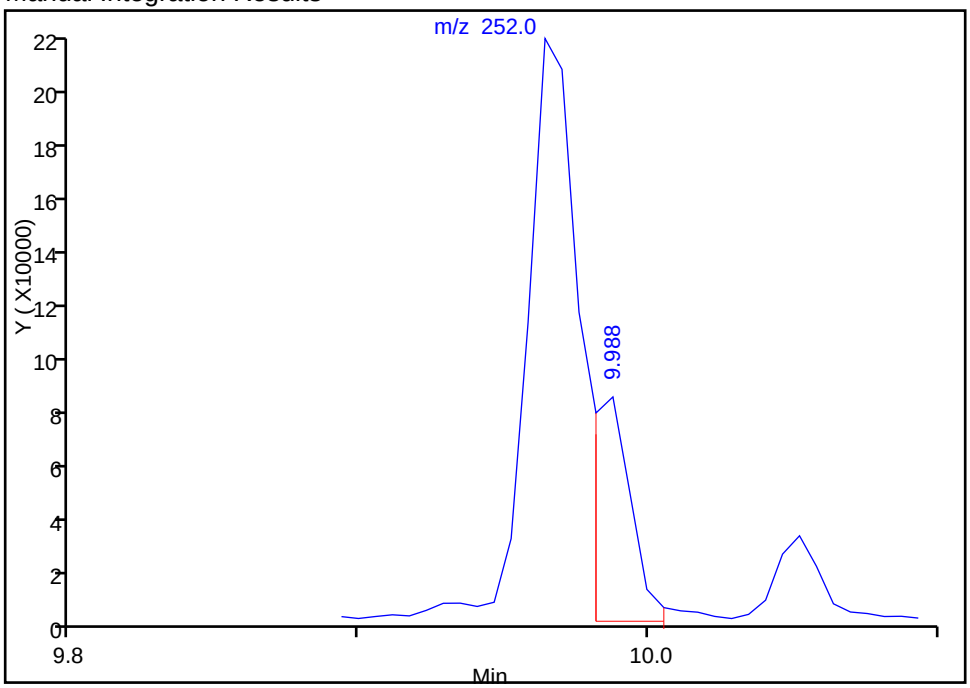
Processing Integration Results

RT: 10.19
Response: 135397
Amount: 1.379790



Manual Integration Results

RT: 9.99
Response: 78722
Amount: 0.802232



Reviewer: webbk, 17-Oct-2014 13:34:29
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0509T-CS6 | Lab Sample ID: 680-106200-40

Matrix: Solid | Lab File ID: 1KJ1709.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 09:20

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.05(g) | Date Analyzed: 10/17/2014 12:36

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354071 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	62	J	74	37
208-96-8	Acenaphthylene	74	U	74	37
120-12-7	Anthracene	140		74	37
56-55-3	Benzo[a]anthracene	910		74	37
50-32-8	Benzo[a]pyrene	810		74	13
205-99-2	Benzo[b]fluoranthene	1300		74	37
191-24-2	Benzo[g,h,i]perylene	330		74	37
207-08-9	Benzo[k]fluoranthene	430		74	22
218-01-9	Chrysene	890		74	37
53-70-3	Dibenz(a,h)anthracene	100		74	37
206-44-0	Fluoranthene	1600		74	37
86-73-7	Fluorene	56	J	74	37
193-39-5	Indeno[1,2,3-cd]pyrene	300		74	37
90-12-0	1-Methylnaphthalene	42	J	74	34
91-57-6	2-Methylnaphthalene	58	J	74	37
91-20-3	Naphthalene	45	J	74	37
85-01-8	Phenanthrene	590		74	27
129-00-0	Pyrene	1200		74	37

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Sample Type:	Client				
Inject. Date:	17-Oct-2014 12:36:30	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Sample Info:	680-106200-A-40-A 1:10				
Misc. Info.:	680-0013846-009				
Operator ID:	RM	Instrument ID:	CMSK		
Method:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	20-Oct-2014 12:13:40	Calib Date:	07-Oct-2014 17:04:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK021				

First Level Reviewer: webbk Date: 17-Oct-2014 13:35:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.925	2.925	0.000	98	508699	2.00	
* 2 Acenaphthene-d10	164	4.582	4.582	0.000	91	257104	2.00	
* 3 Phenanthrene-d10	188	6.127	6.127	0.000	98	363349	2.00	
* 4 Chrysene-d12	240	8.954	8.954	0.000	99	255027	2.00	
* 5 Perylene-d12	264	10.276	10.276	0.000	97	192816	2.00	
7 Naphthalene	128	2.943	2.943	0.000	98	33224	0.1212	
9 2-Methylnaphthalene	142	3.566	3.566	0.000	87	25397	0.1568	
8 1-Methylnaphthalene	142	3.654	3.660	-0.006	92	17190	0.1146	
11 Acenaphthylene	152	4.435	4.435	0.000	81	6504	0.0265	7
12 Acenaphthene	153	4.612	4.617	-0.005	94	26834	0.1678	
14 Fluorene	166	5.146	5.152	-0.006	94	23266	0.1511	
15 Phenanthrene	178	6.151	6.151	0.000	97	344749	1.61	
16 Anthracene	178	6.204	6.204	0.000	98	74950	0.3769	
17 Fluoranthene	202	7.426	7.426	0.000	98	881106	4.30	
18 Pyrene	202	7.655	7.655	0.000	97	719325	3.34	
19 Benzo[a]anthracene	228	8.942	8.942	0.000	99	360913	2.45	
20 Chrysene	228	8.977	8.977	0.000	98	351304	2.41	
21 Benzo[b]fluoranthene	252	9.958	9.958	0.000	97	450666	3.57	
22 Benzo[k]fluoranthene	252	9.982	9.982	0.000	99	142222	1.16	M
23 Benzo[a]pyrene	252	10.229	10.229	0.000	96	239344	2.21	
24 Indeno[1,2,3-cd]pyrene	276	11.098	11.116	-0.018	98	121806	0.8158	
25 Dibenz(a,h)anthracene	278	11.128	11.145	-0.017	93	29291	0.2719	
26 Benzo[g,h,i]perylene	276	11.310	11.327	-0.017	95	99206	0.8911	

QC Flag Legend

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

Reagents:

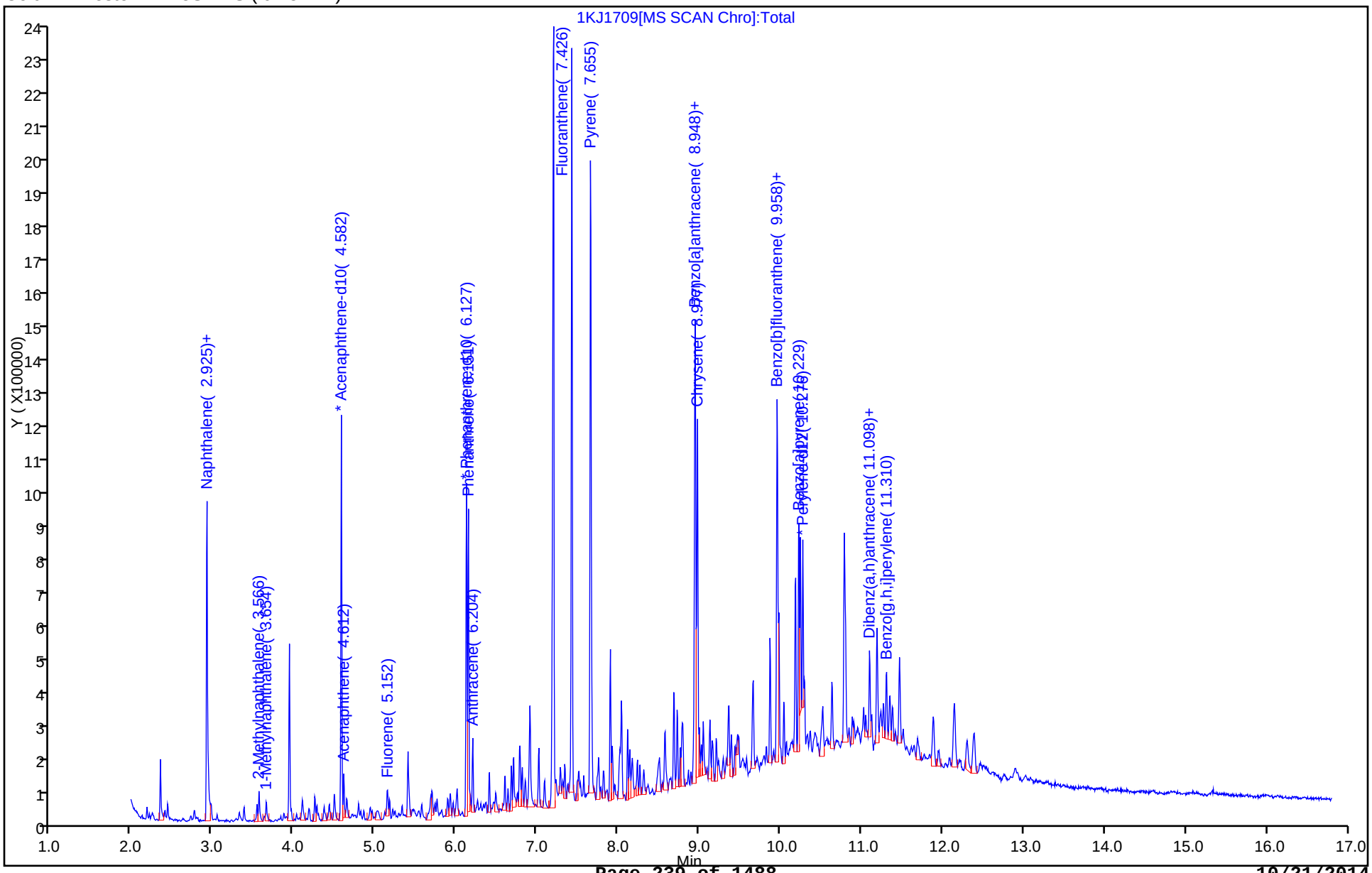
SM-LLISTD_00110 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 12:13:47 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40	Worklist Smp#:	9
Client ID:	CV0509T-CS6				
Injection Vol:	1.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	9
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

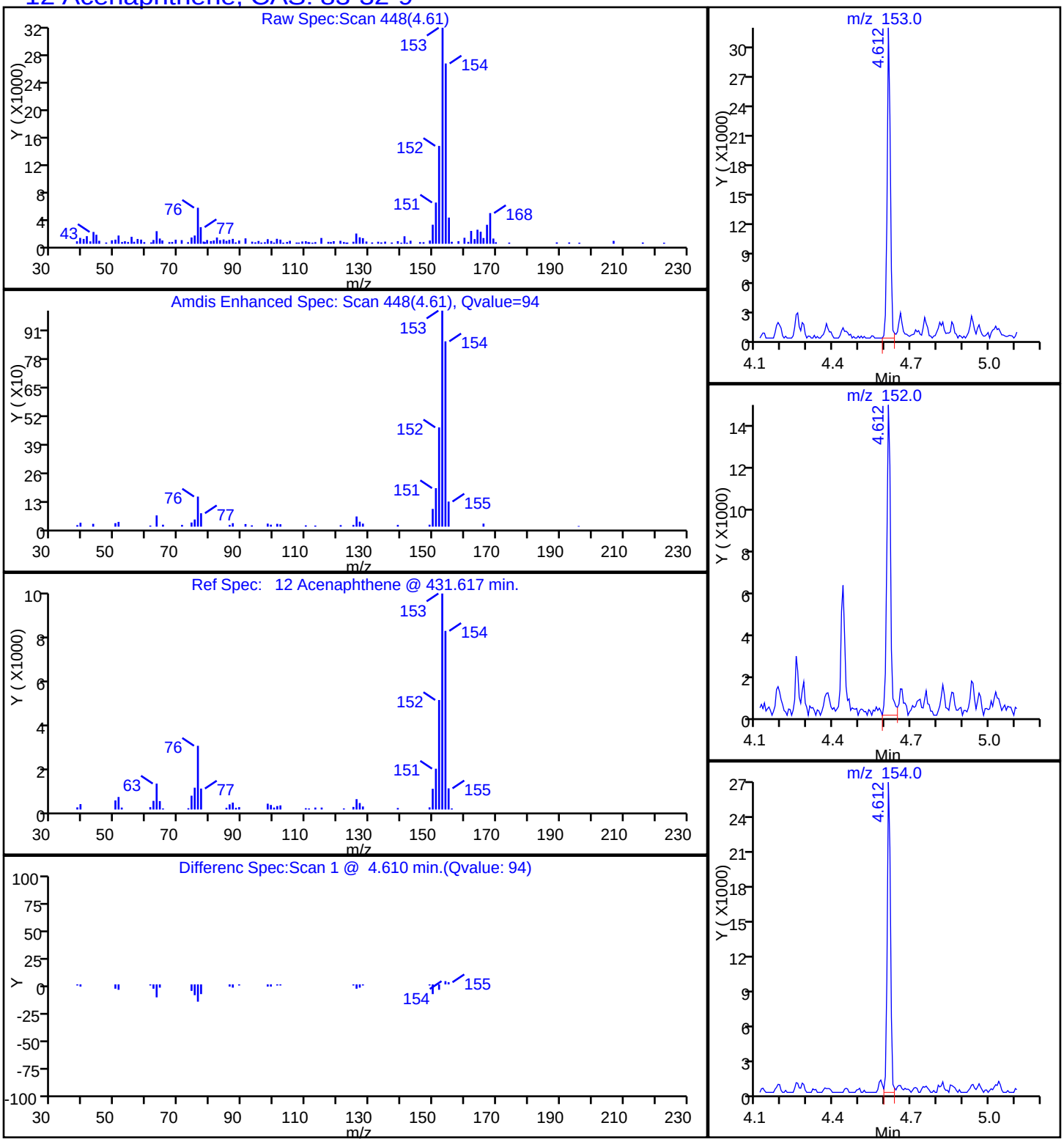


Report Date: 20-Oct-2014 12:13:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthene, CAS: 83-32-9

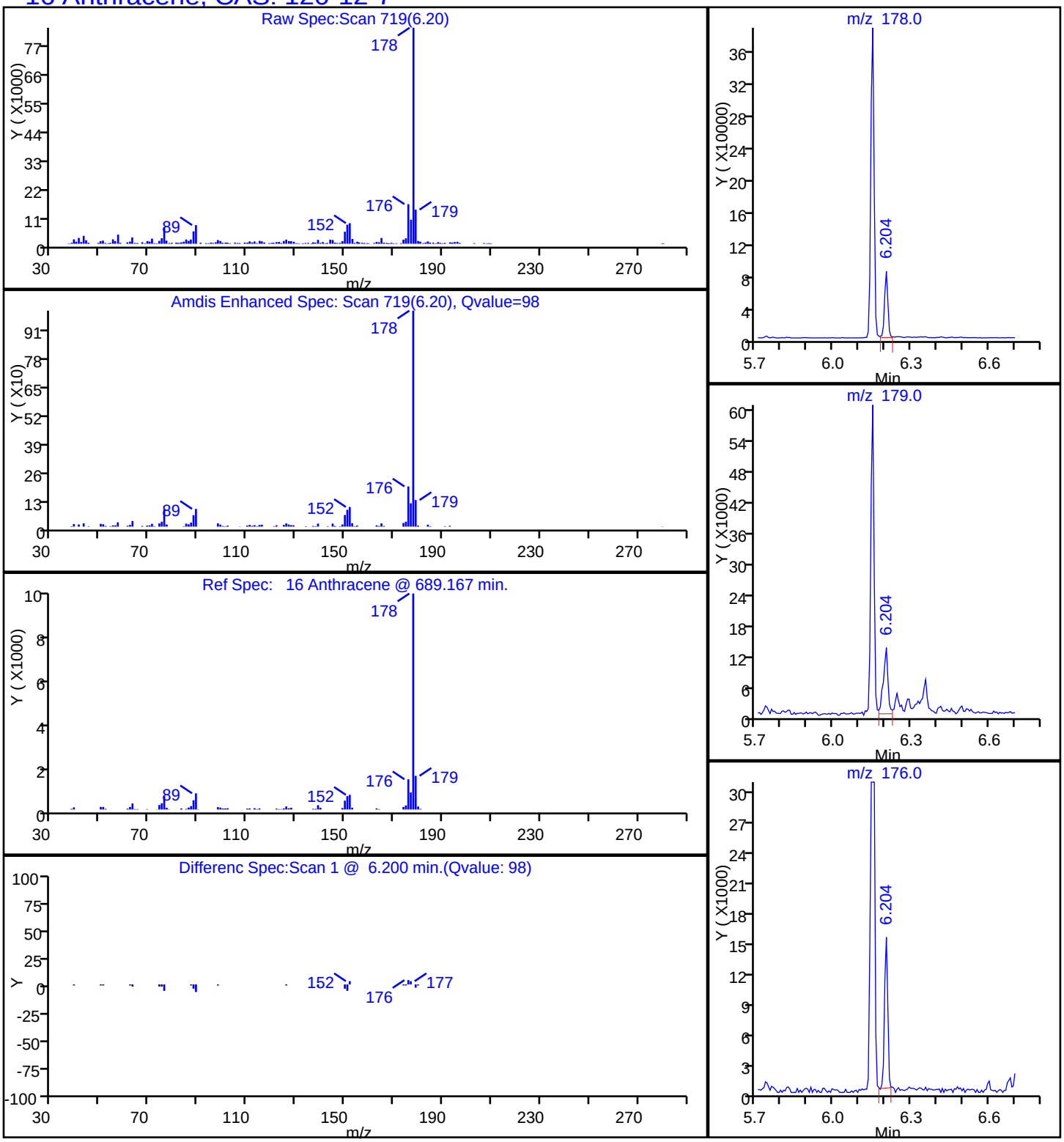


Report Date: 20-Oct-2014 12:13:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

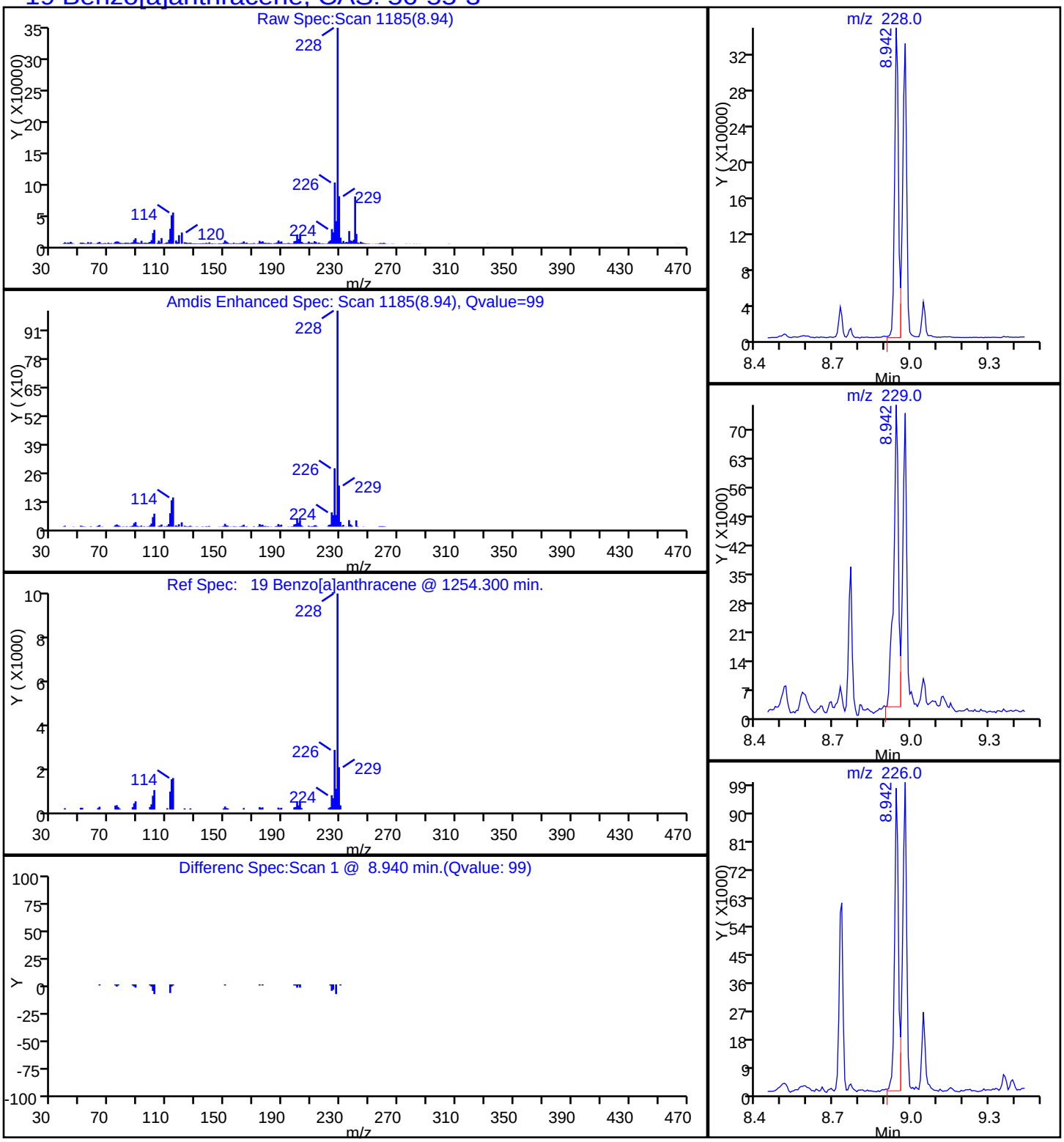


Report Date: 20-Oct-2014 12:13:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

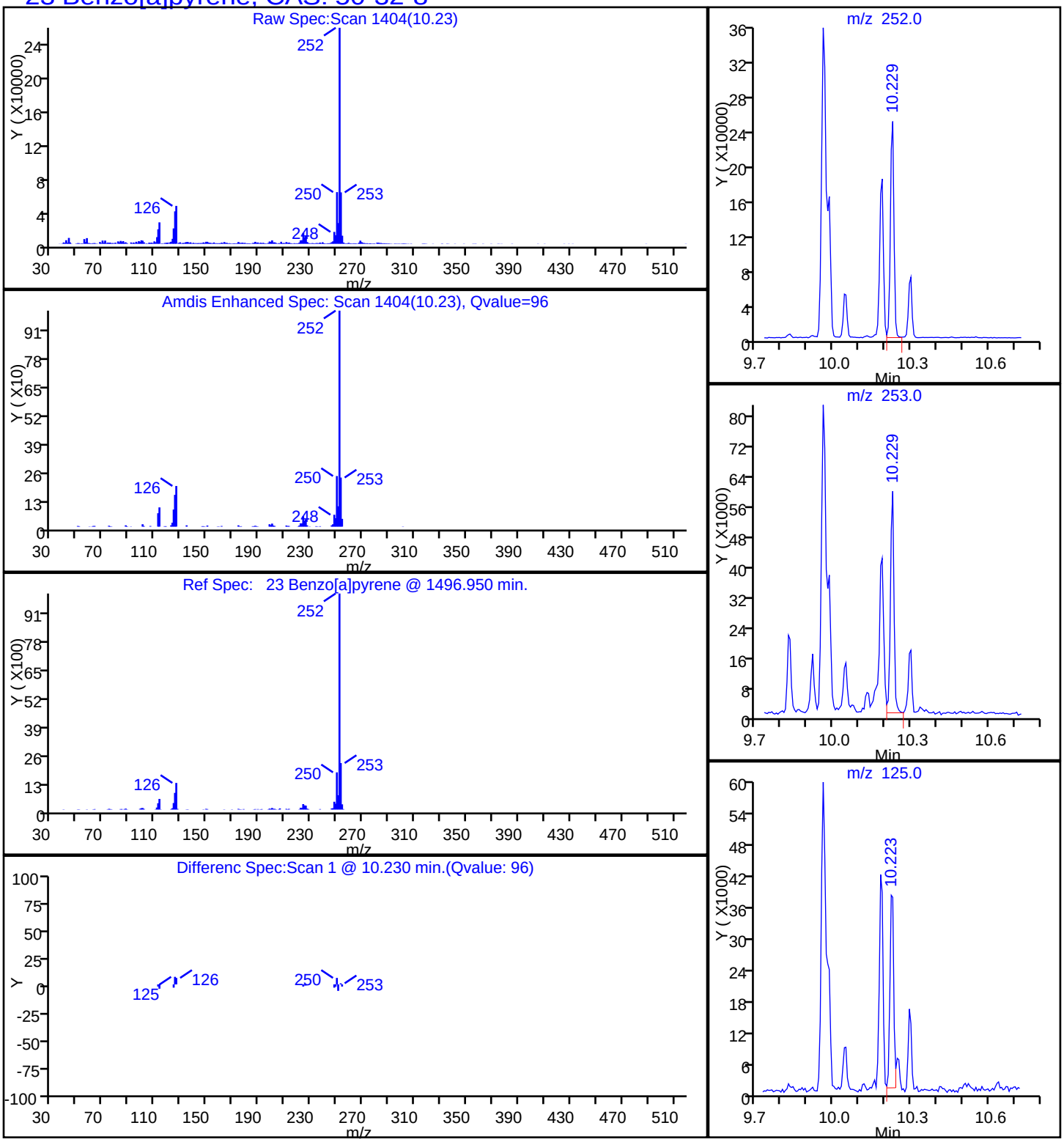


Report Date: 20-Oct-2014 12:13:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

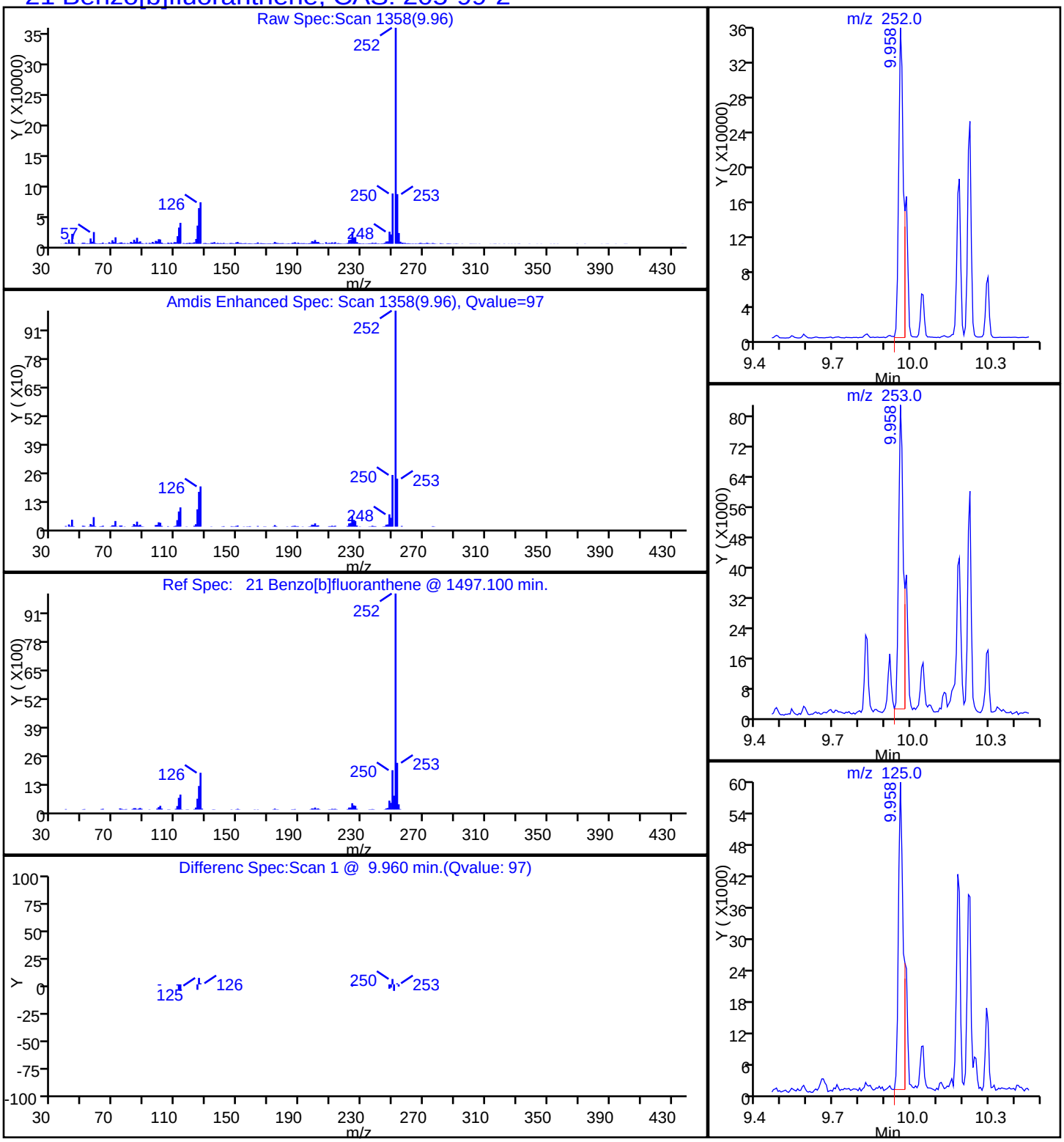


Report Date: 20-Oct-2014 12:13:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

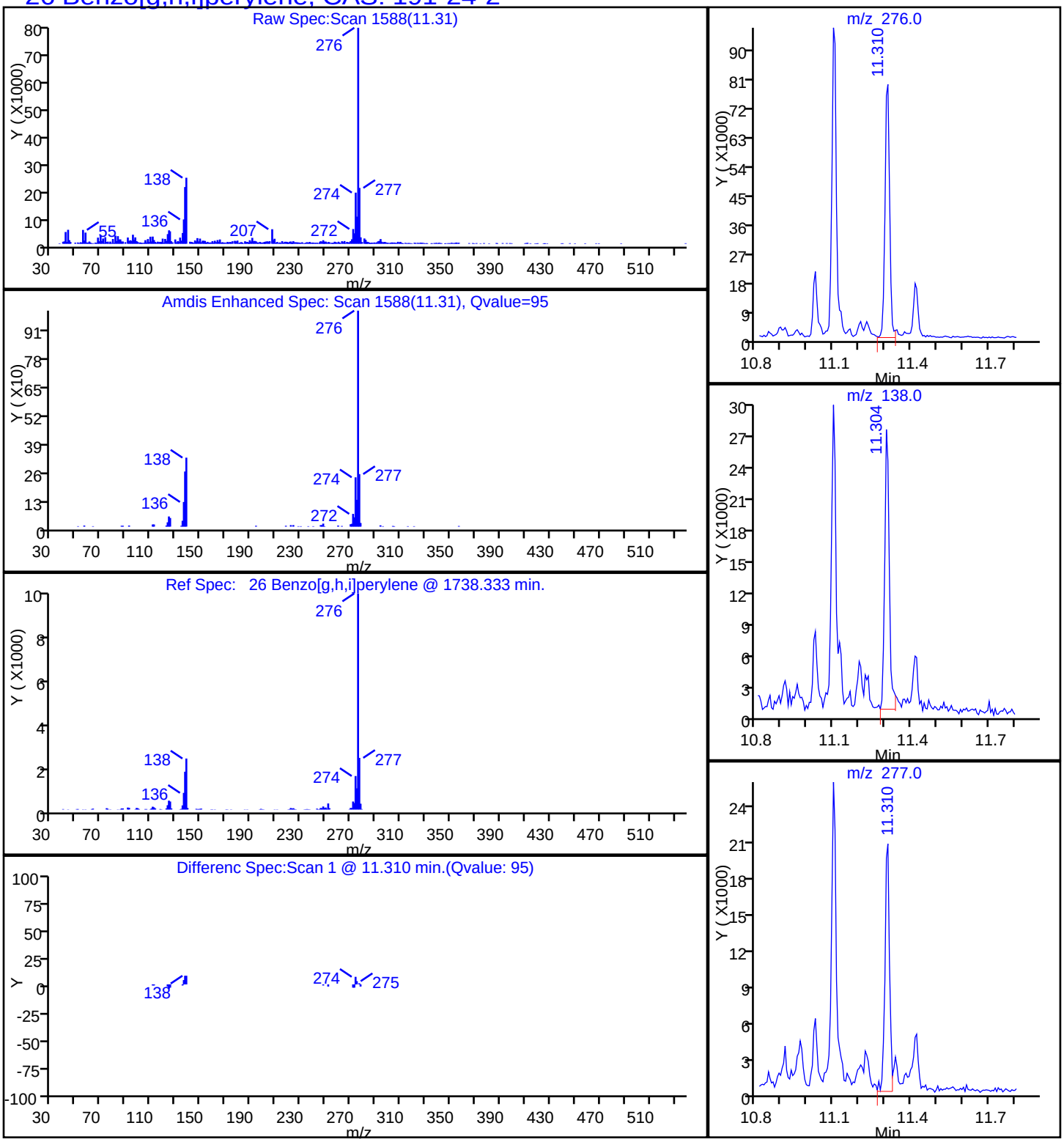


Report Date: 20-Oct-2014 12:13:49 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

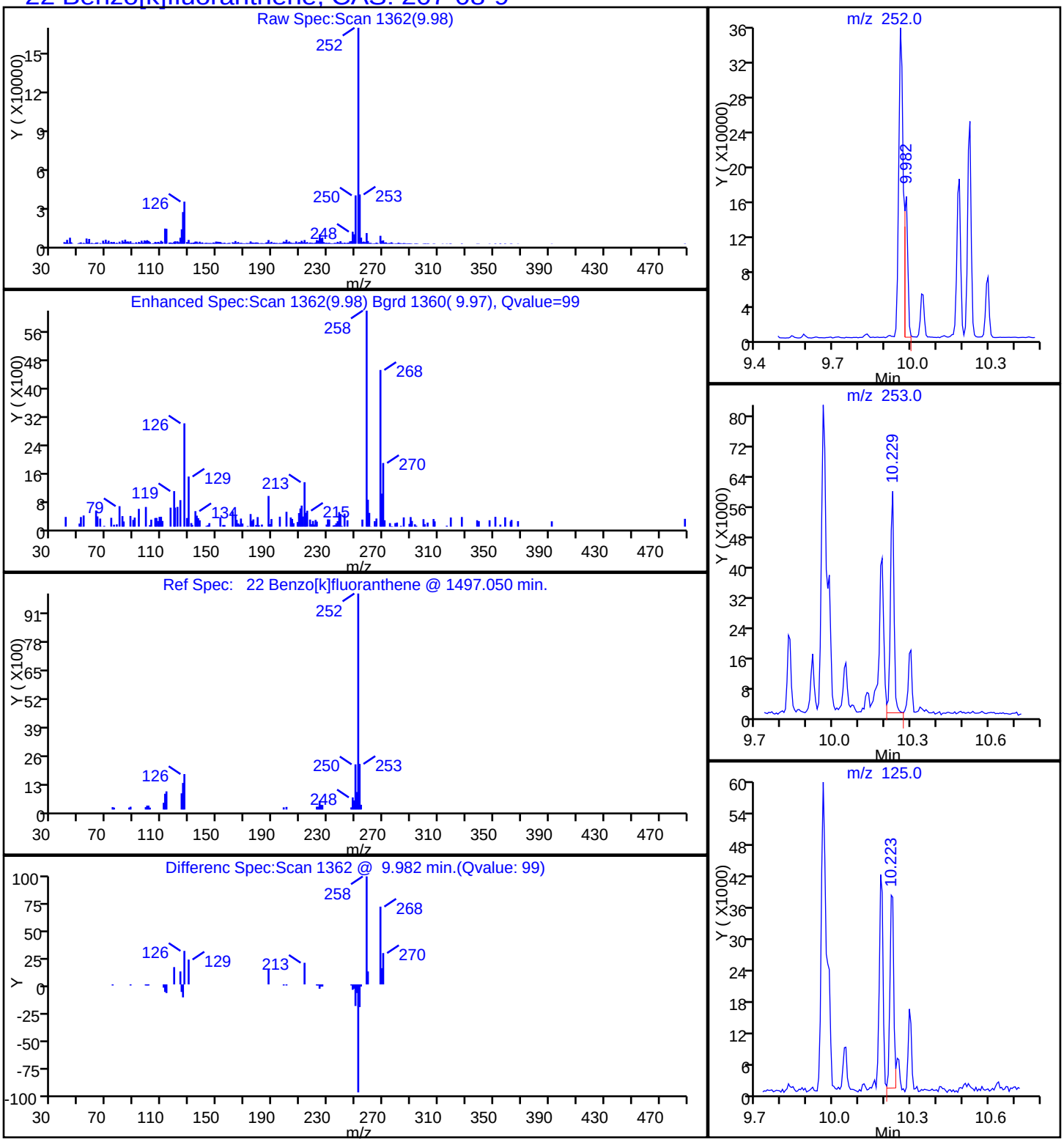


Report Date: 20-Oct-2014 12:13:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

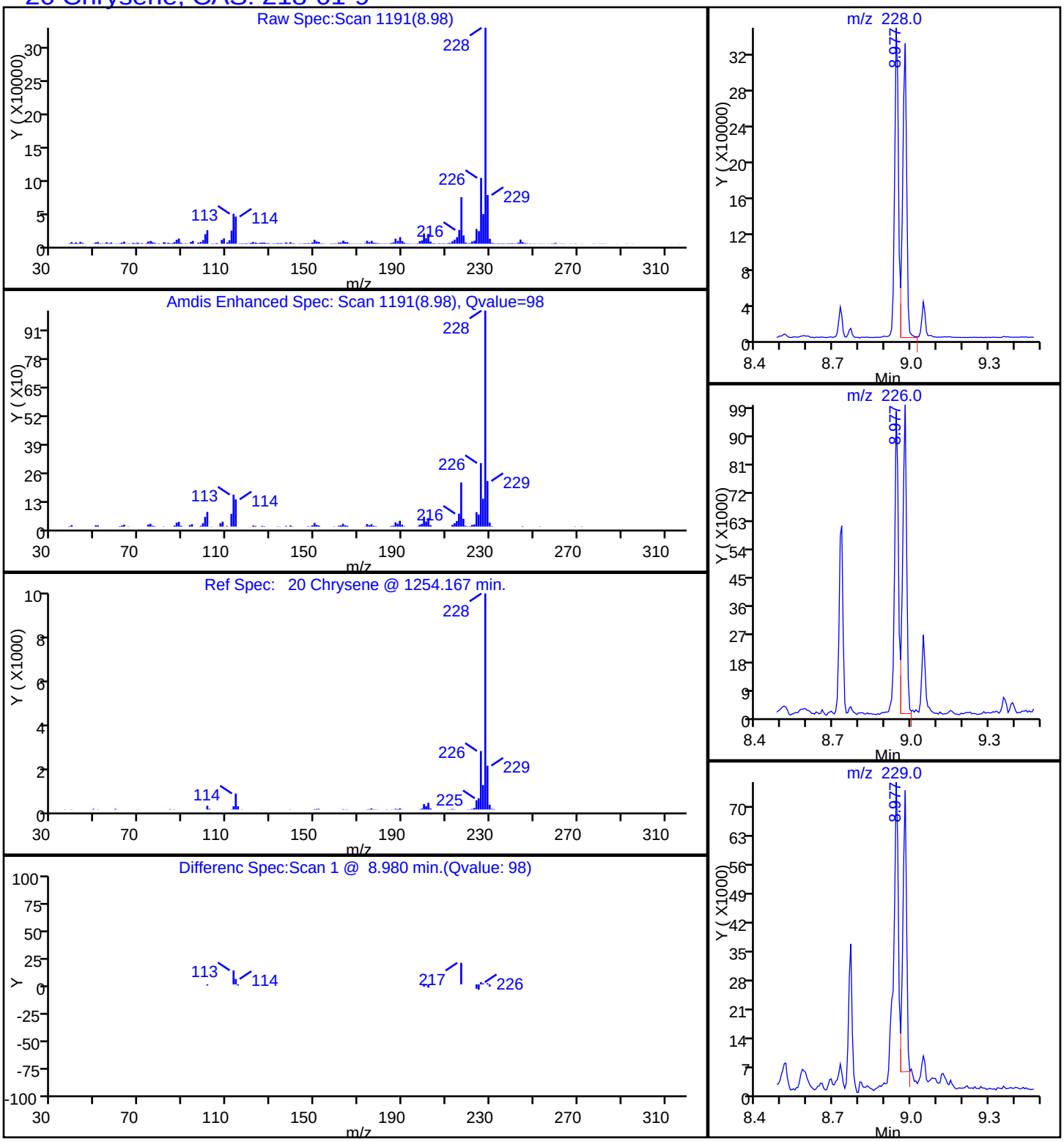


Report Date: 20-Oct-2014 12:13:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

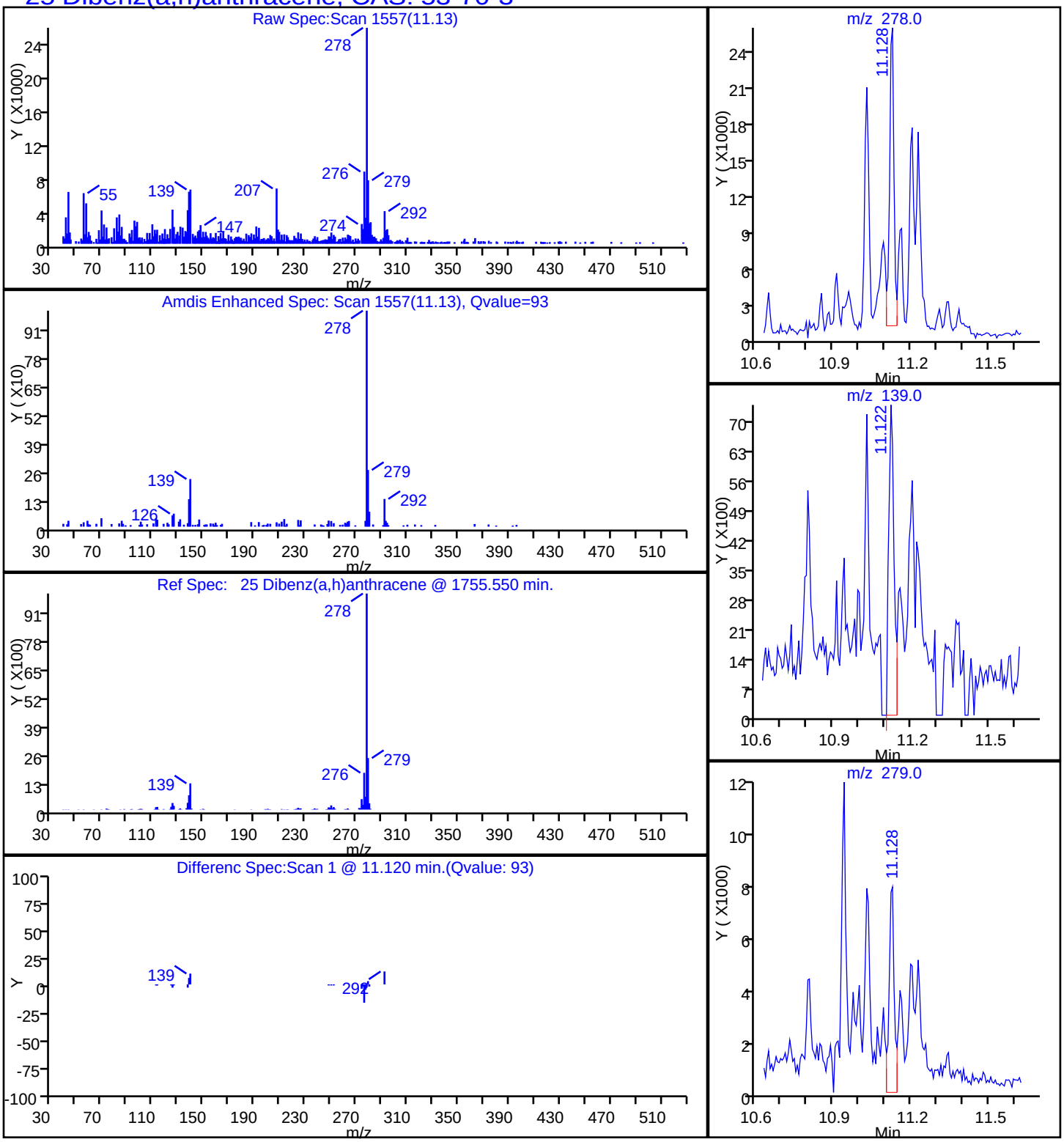


Report Date: 20-Oct-2014 12:13:49 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

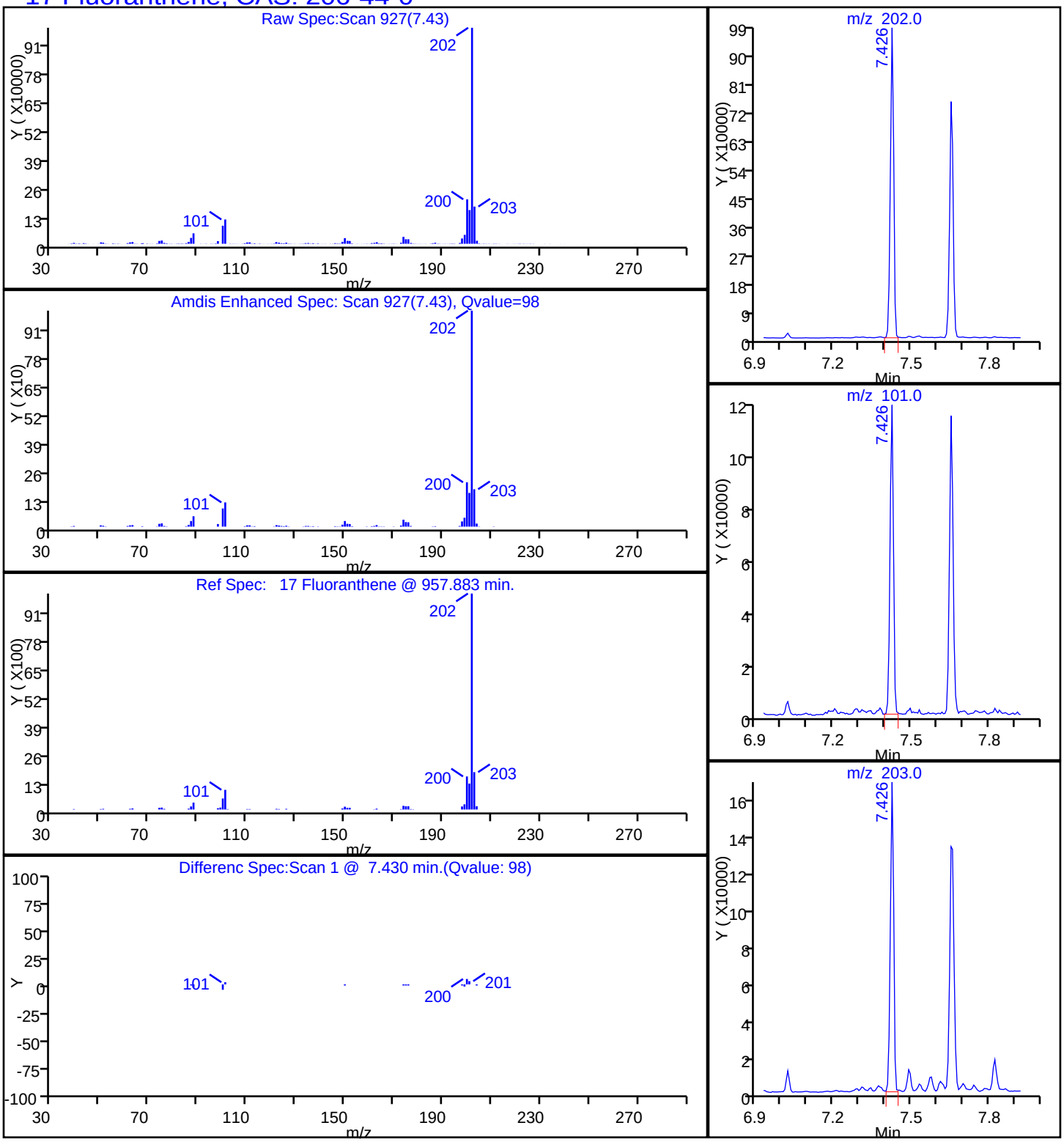


Report Date: 20-Oct-2014 12:13:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

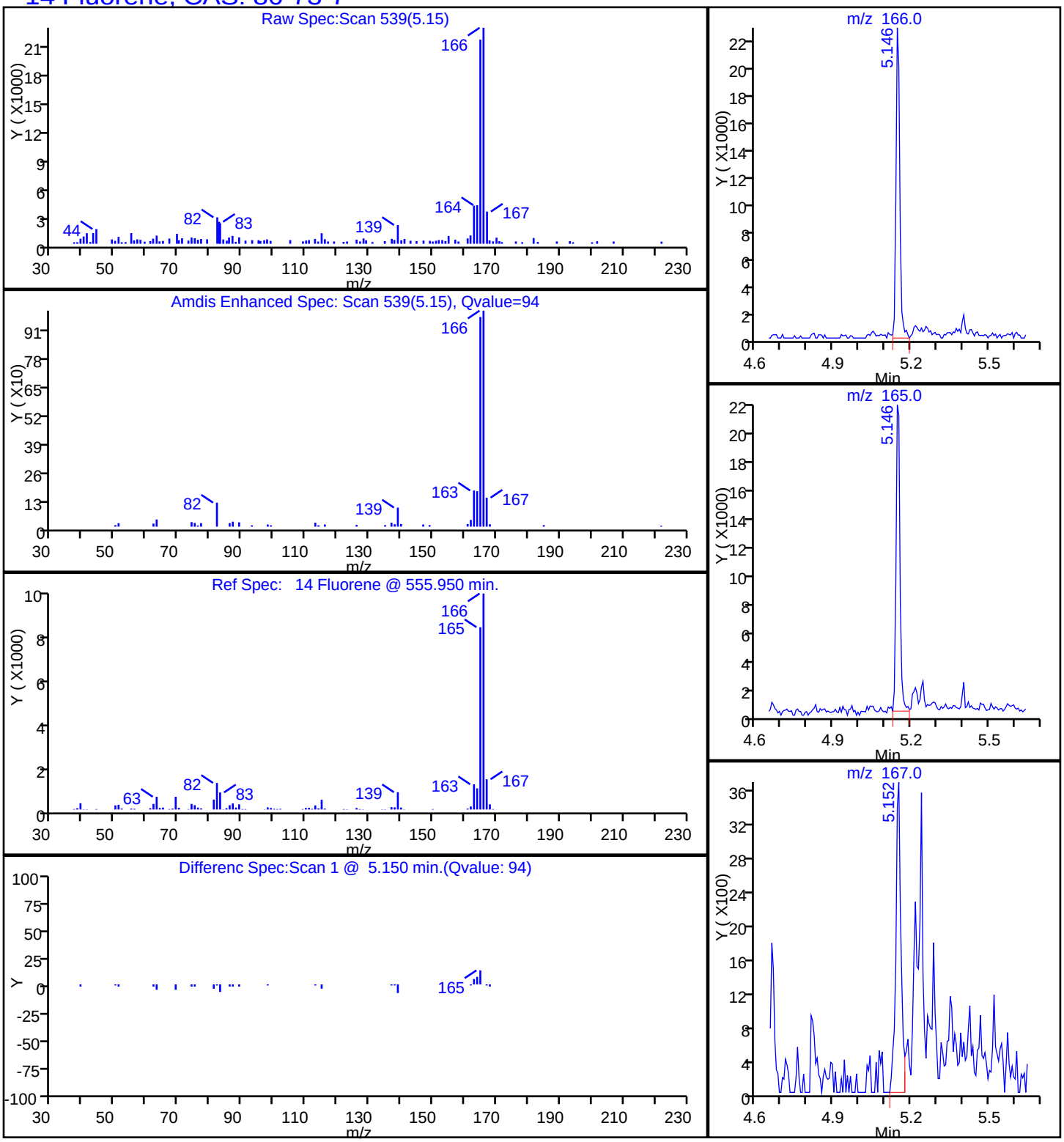


Report Date: 20-Oct-2014 12:13:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7

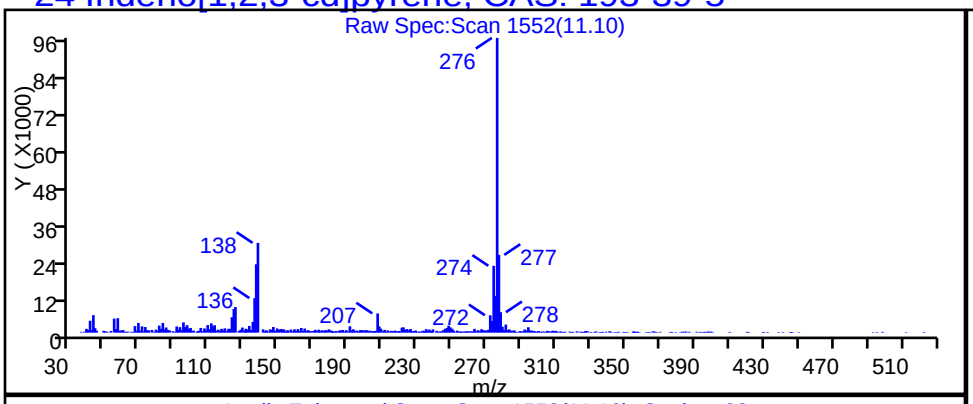


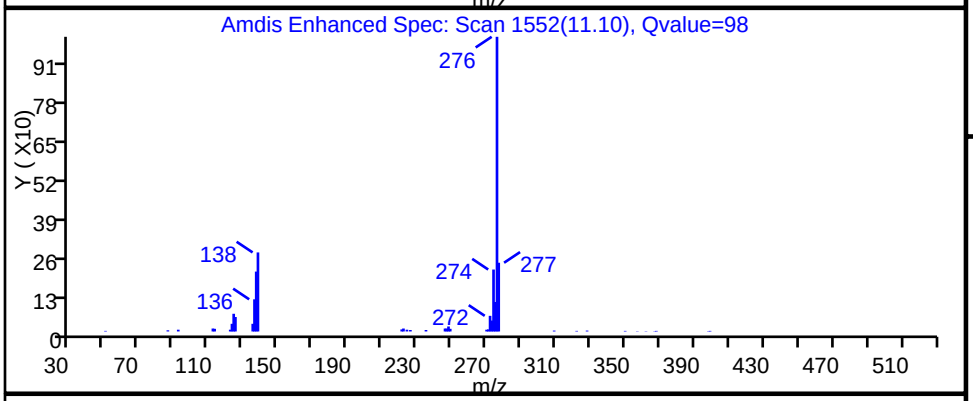
Report Date: 20-Oct-2014 12:13:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

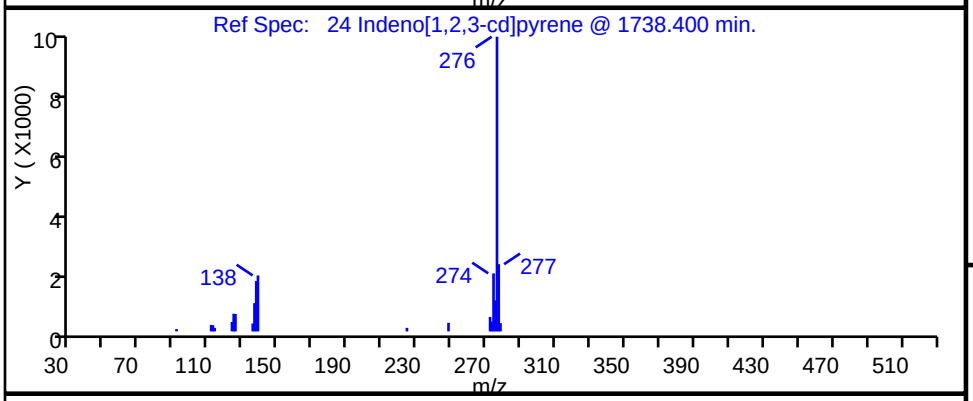
TestAmerica Savannah

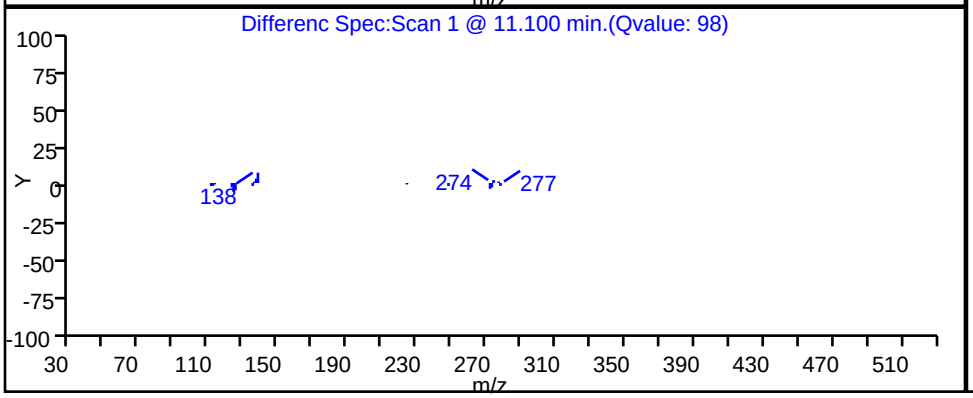
Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

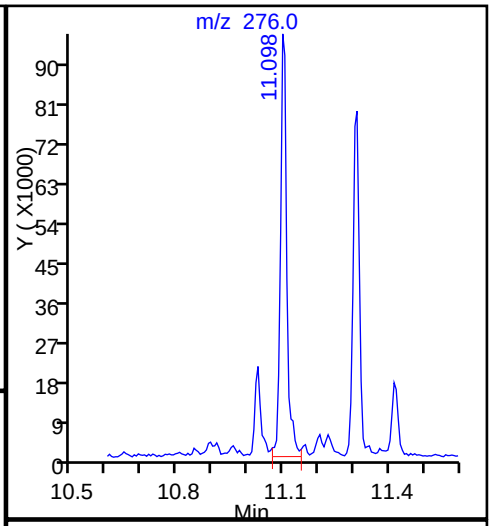
24 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

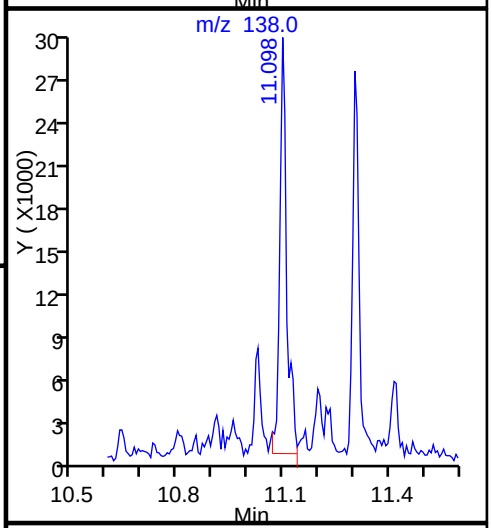


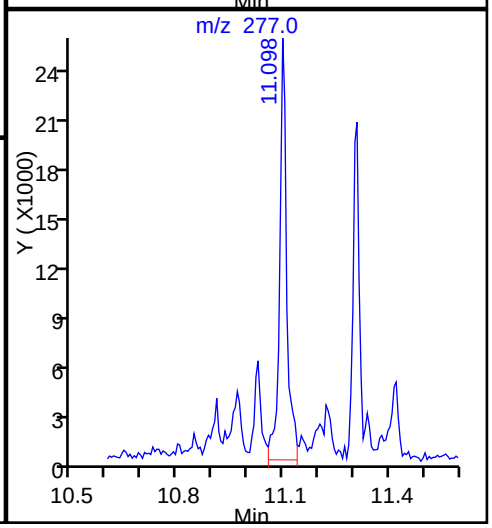










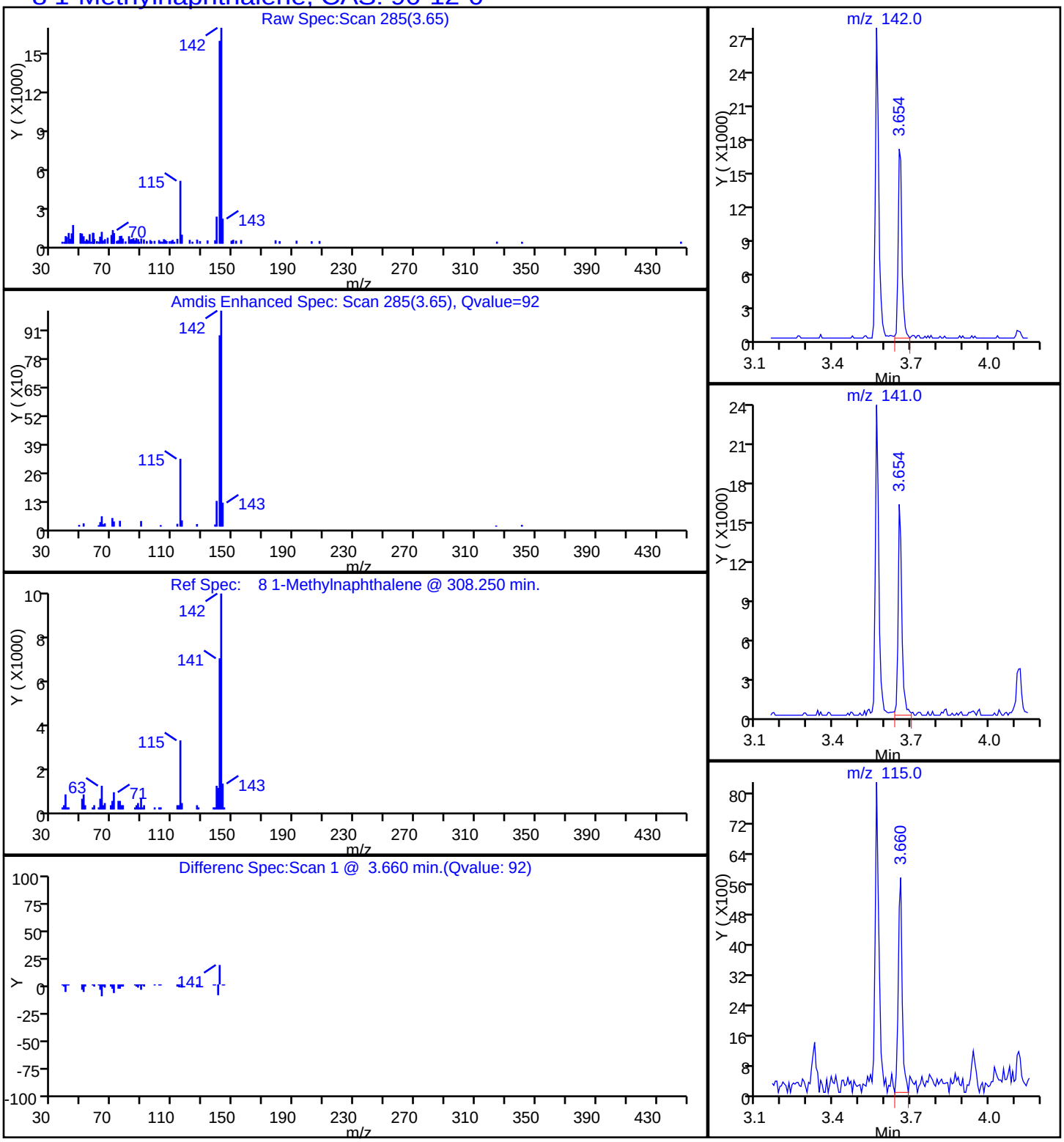


Report Date: 20-Oct-2014 12:13:47 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

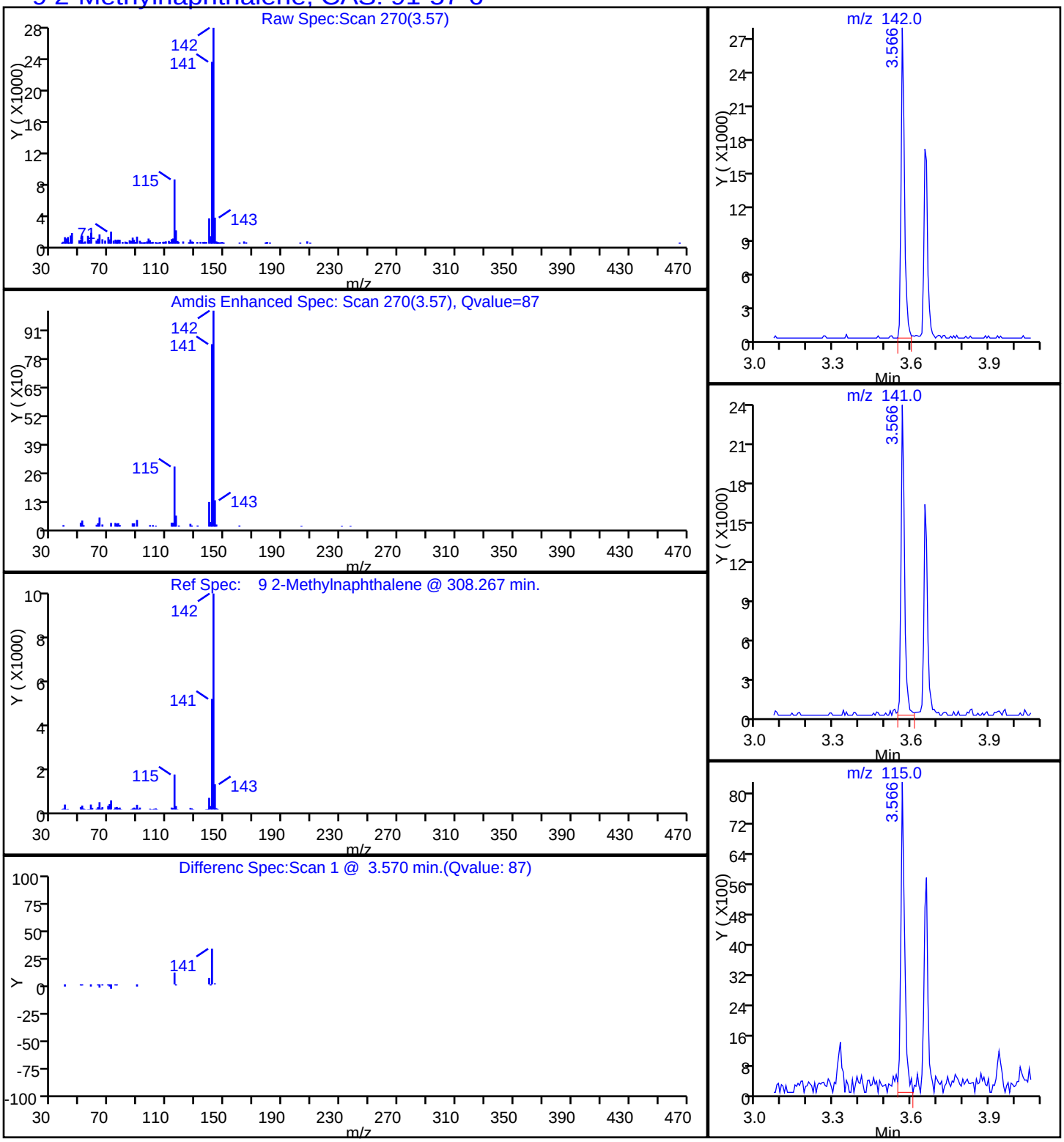


Report Date: 20-Oct-2014 12:13:47 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

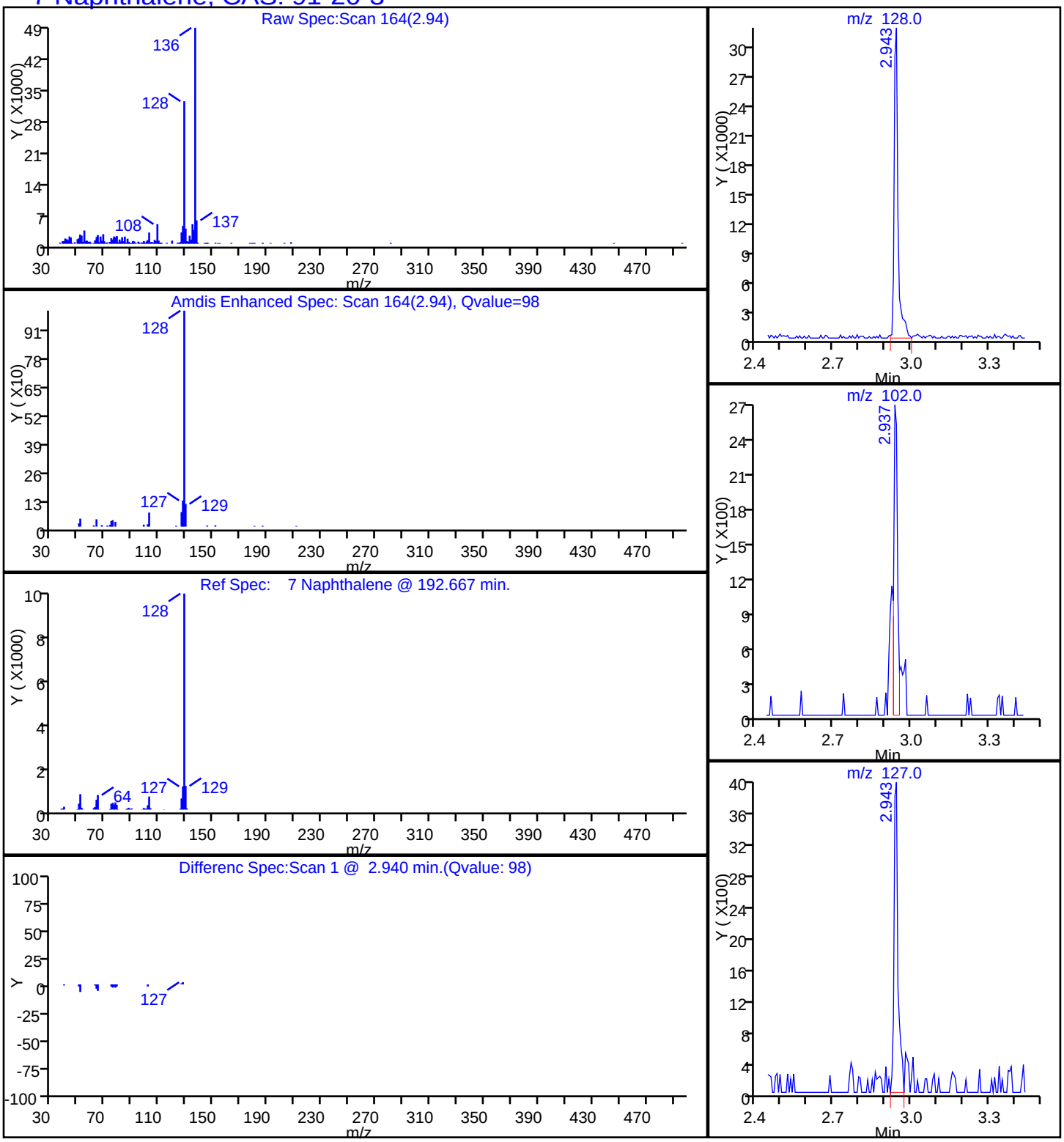


Report Date: 20-Oct-2014 12:13:47 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

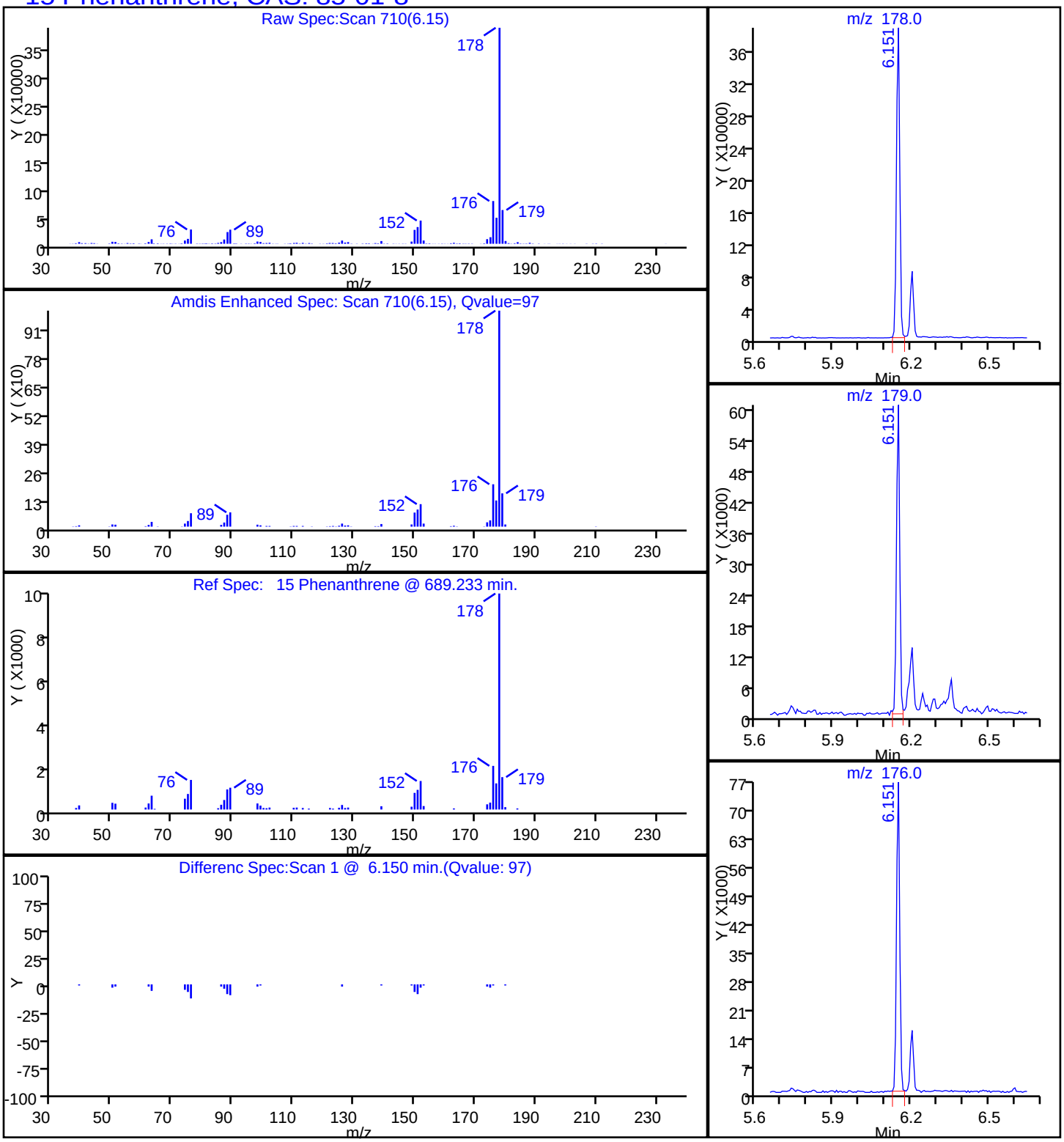


Report Date: 20-Oct-2014 12:13:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

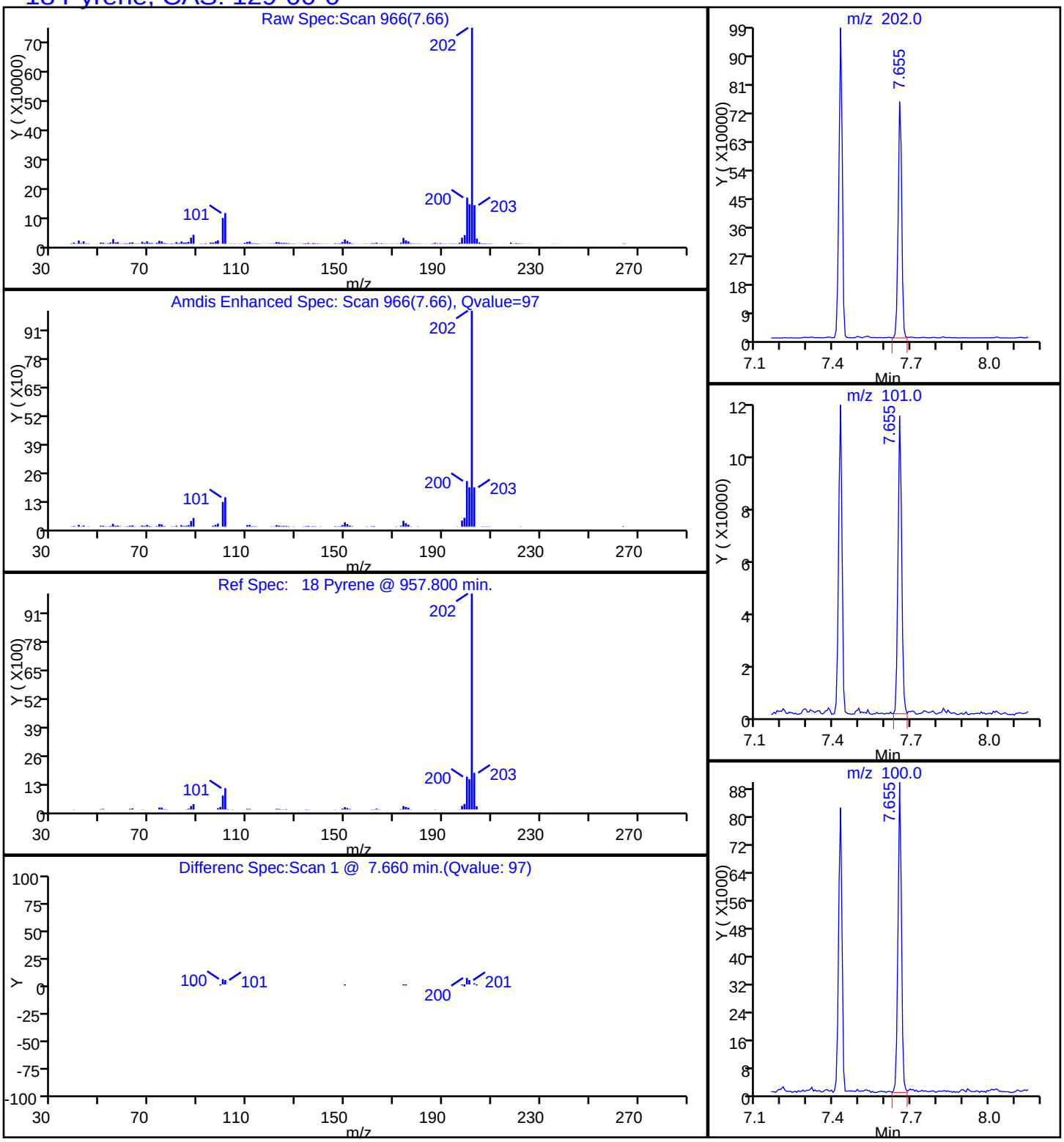


Report Date: 20-Oct-2014 12:13:48 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

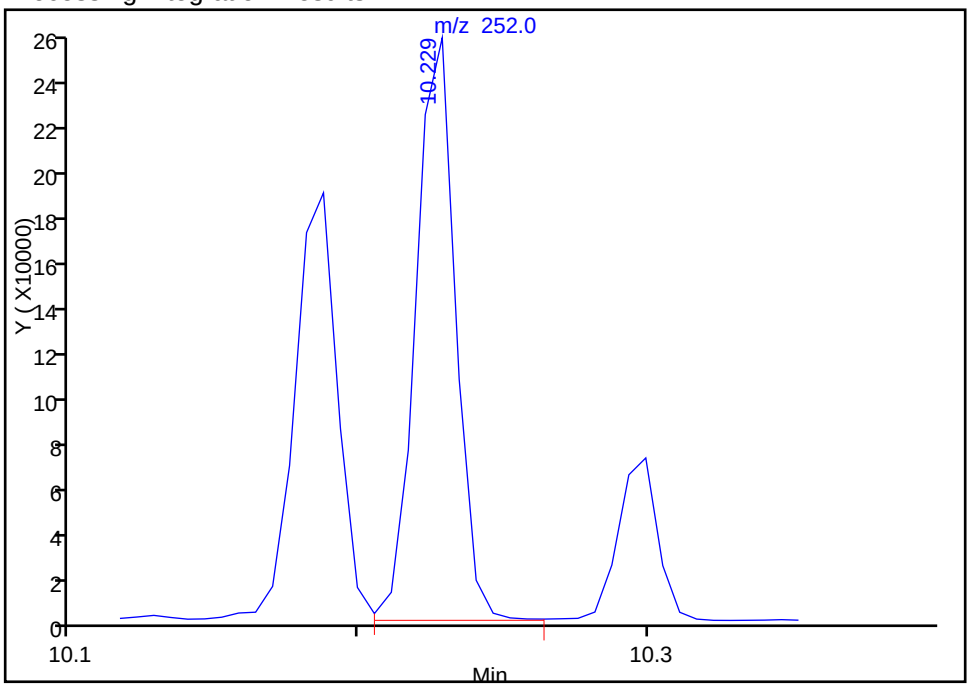
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1709.D				
Injection Date:	17-Oct-2014 12:36:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-40-A	Lab Sample ID:	680-106200-40		
Client ID:	CV0509T-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

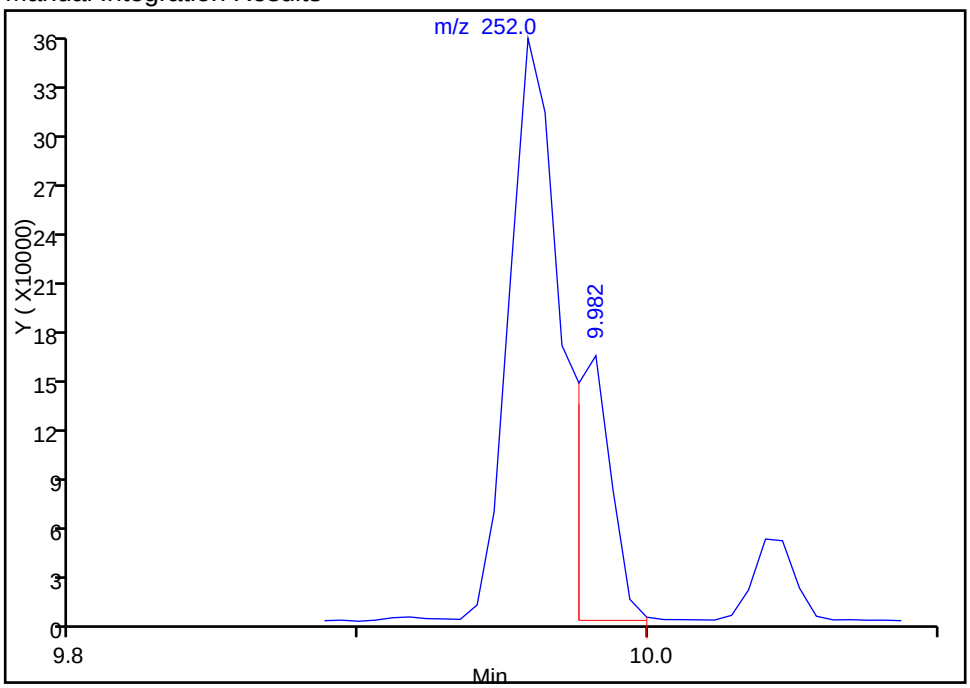
Processing Integration Results

RT: 10.23
Response: 239320
Amount: 1.946785



Manual Integration Results

RT: 9.98
Response: 142222
Amount: 1.156926



Reviewer: webbk, 17-Oct-2014 13:35:18
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0509T-CS12 | Lab Sample ID: 680-106200-41

Matrix: Solid | Lab File ID: 1KJ1714.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 09:30

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 29.99(g) | Date Analyzed: 10/17/2014 15:40

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 354071 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	74	U	74	36
208-96-8	Acenaphthylene	74	U	74	36
120-12-7	Anthracene	74	U	74	36
56-55-3	Benzo[a]anthracene	110		74	36
50-32-8	Benzo[a]pyrene	110		74	13
205-99-2	Benzo[b]fluoranthene	170		74	36
191-24-2	Benzo[g,h,i]perylene	59	J	74	36
207-08-9	Benzo[k]fluoranthene	76		74	22
218-01-9	Chrysene	130		74	36
53-70-3	Dibenz(a,h)anthracene	74	U	74	36
206-44-0	Fluoranthene	210		74	36
86-73-7	Fluorene	74	U	74	36
193-39-5	Indeno[1,2,3-cd]pyrene	42	J	74	36
90-12-0	1-Methylnaphthalene	74	U	74	34
91-57-6	2-Methylnaphthalene	74	U	74	36
91-20-3	Naphthalene	74	U	74	36
85-01-8	Phenanthrene	91		74	27
129-00-0	Pyrene	170		74	36

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D
Lims ID: 680-106200-A-41-A Lab Sample ID: 680-106200-41
Client ID: CV0509T-CS12
Sample Type: Client
Inject. Date: 17-Oct-2014 15:40:30 ALS Bottle#: 10 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Sample Info: 680-106200-A-41-A 1:10
Misc. Info.: 680-0013846-014
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20141017-13846.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 08:58:28 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

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

First Level Reviewer: webbk Date: 17-Oct-2014 16:11:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.925	2.925	0.000	98	602482	2.00	
* 2 Acenaphthene-d10	164	4.582	4.582	0.000	91	292099	2.00	
* 3 Phenanthrene-d10	188	6.127	6.127	0.000	98	401578	2.00	
* 4 Chrysene-d12	240	8.948	8.954	-0.006	99	276535	2.00	
* 5 Perylene-d12	264	10.276	10.276	0.000	97	200919	2.00	
9 2-Methylnaphthalene	142	3.566	3.566	0.000	67	8526	0.0445	7
8 1-Methylnaphthalene	142	3.654	3.660	-0.006	62	6907	0.0389	7
15 Phenanthrene	178	6.151	6.151	0.000	96	58933	0.2484	
16 Anthracene	178	6.204	6.204	0.000	98	10070	0.0458	
17 Fluoranthene	202	7.426	7.426	0.000	98	128365	0.5670	
18 Pyrene	202	7.655	7.655	0.000	97	104684	0.4488	
19 Benzo[a]anthracene	228	8.942	8.942	0.000	97	47462	0.2970	
20 Chrysene	228	8.977	8.977	0.000	97	57067	0.3605	
21 Benzo[b]fluoranthene	252	9.958	9.958	0.000	96	59348	0.4510	M
22 Benzo[k]fluoranthene	252	9.970	9.982	-0.012	97	26385	0.2060	M
23 Benzo[a]pyrene	252	10.223	10.229	-0.006	95	33218	0.2937	
24 Indeno[1,2,3-cd]pyrene	276	11.098	11.116	-0.018	96	18485	0.1137	
26 Benzo[g,h,i]perylene	276	11.310	11.327	-0.017	95	18601	0.1595	

QC Flag Legend

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

Reagents:

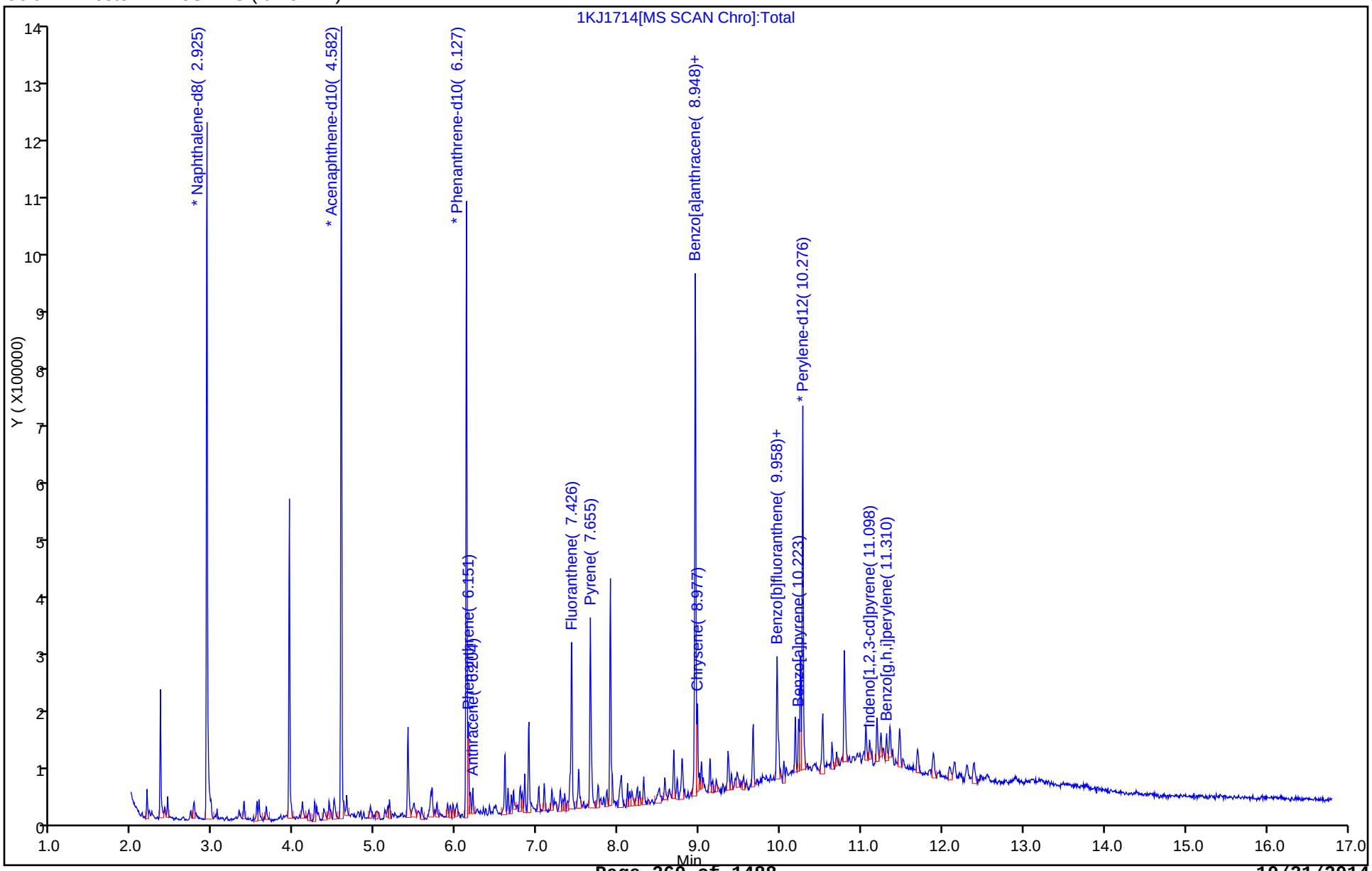
SM-LLISTD_00110 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41	Worklist Smp#:	14
Client ID:	CV0509T-CS12				
Injection Vol:	1.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	10
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

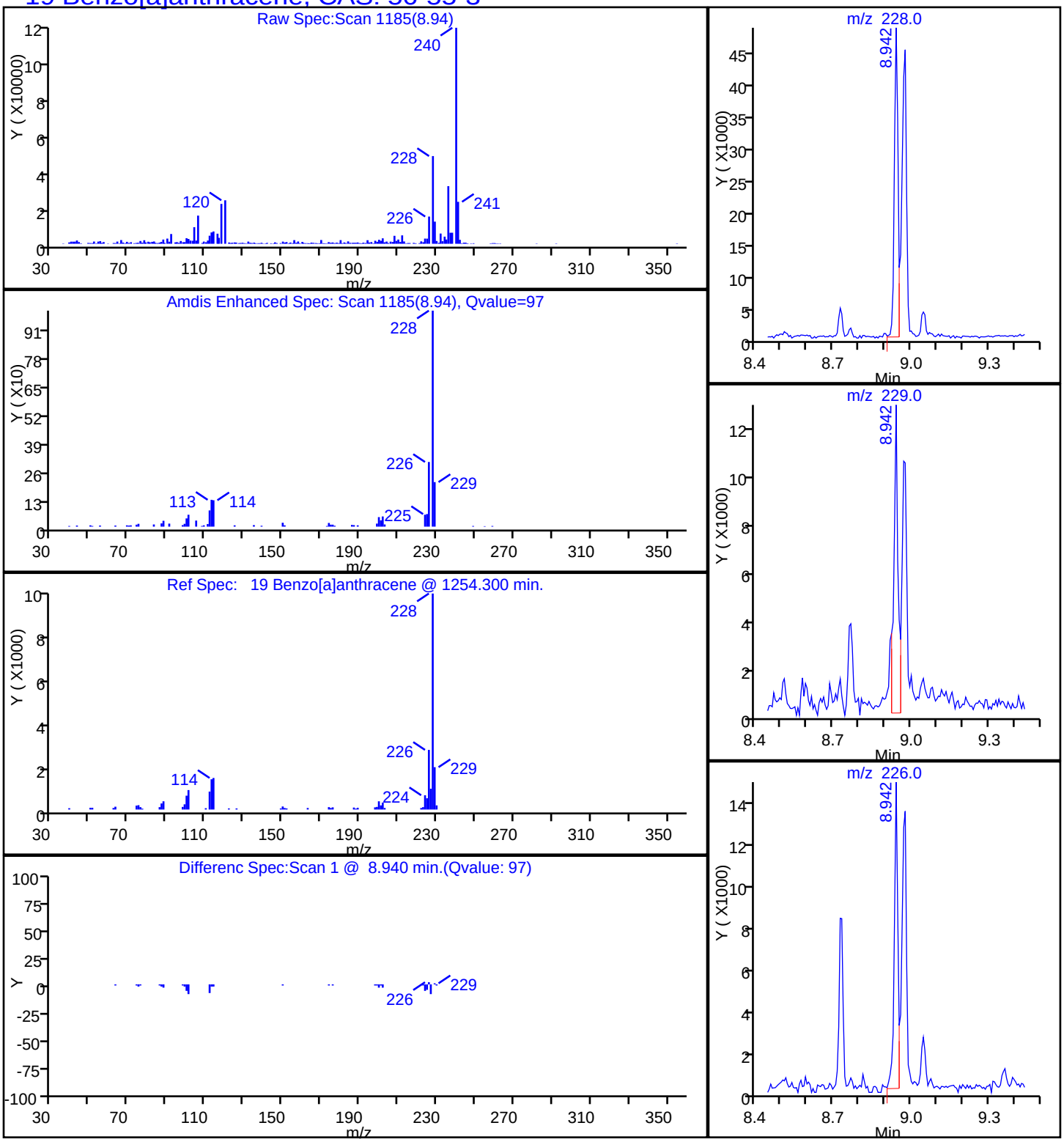


Report Date: 20-Oct-2014 09:22:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41		
Client ID:	CV0509T-CS12				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

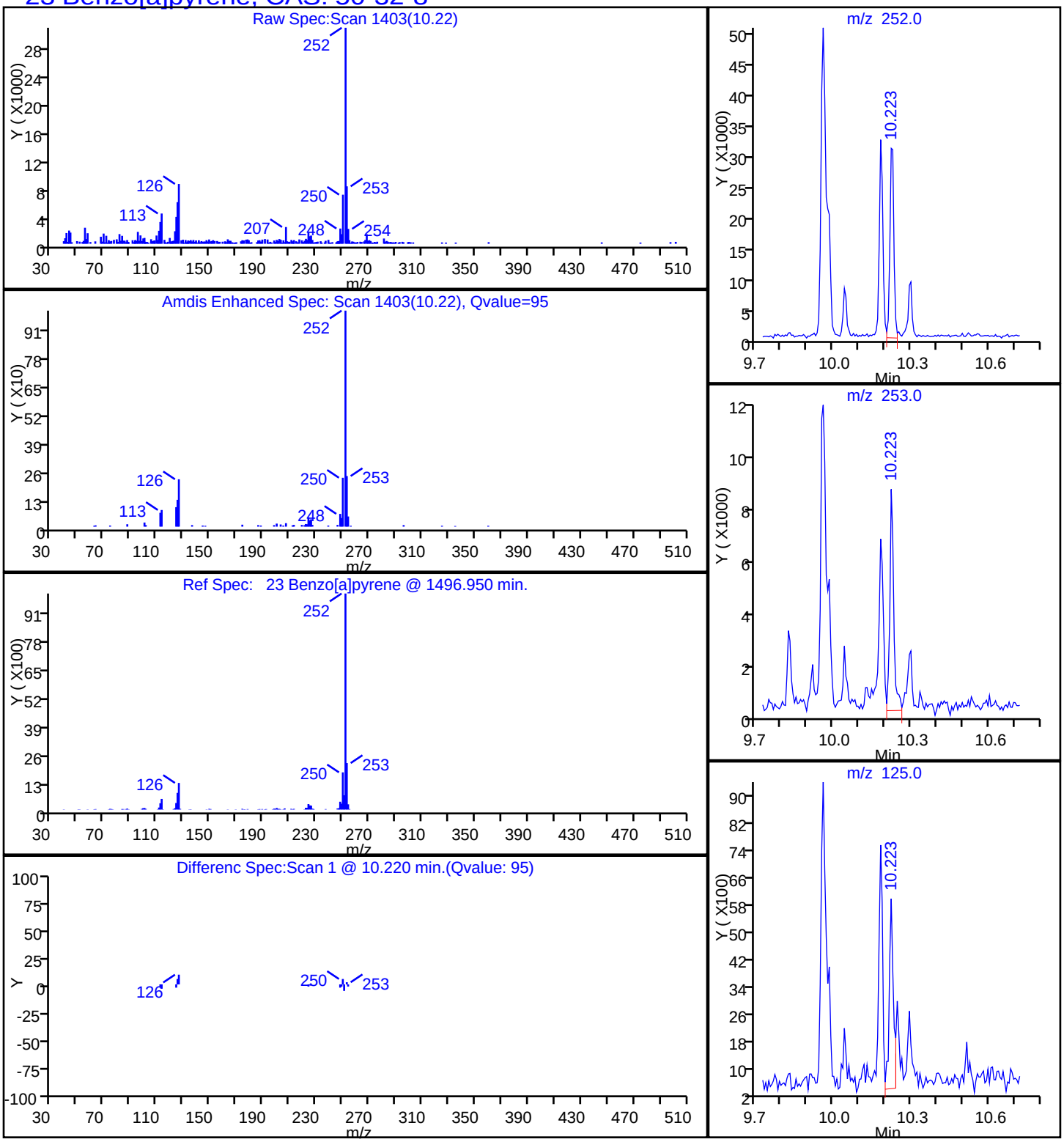


Report Date: 20-Oct-2014 09:22:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41		
Client ID:	CV0509T-CS12				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

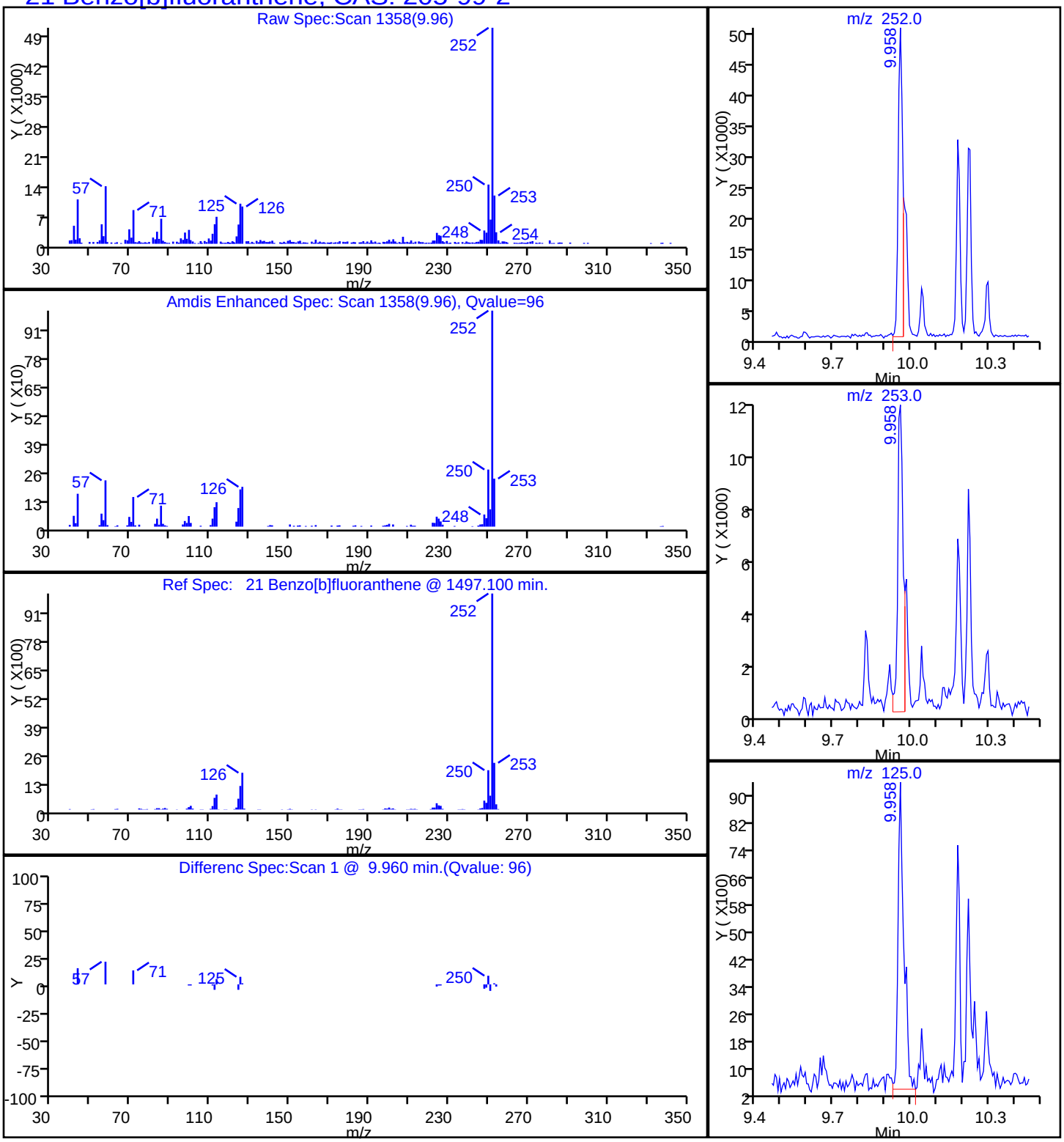


Report Date: 20-Oct-2014 09:22:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41		
Client ID:	CV0509T-CS12				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

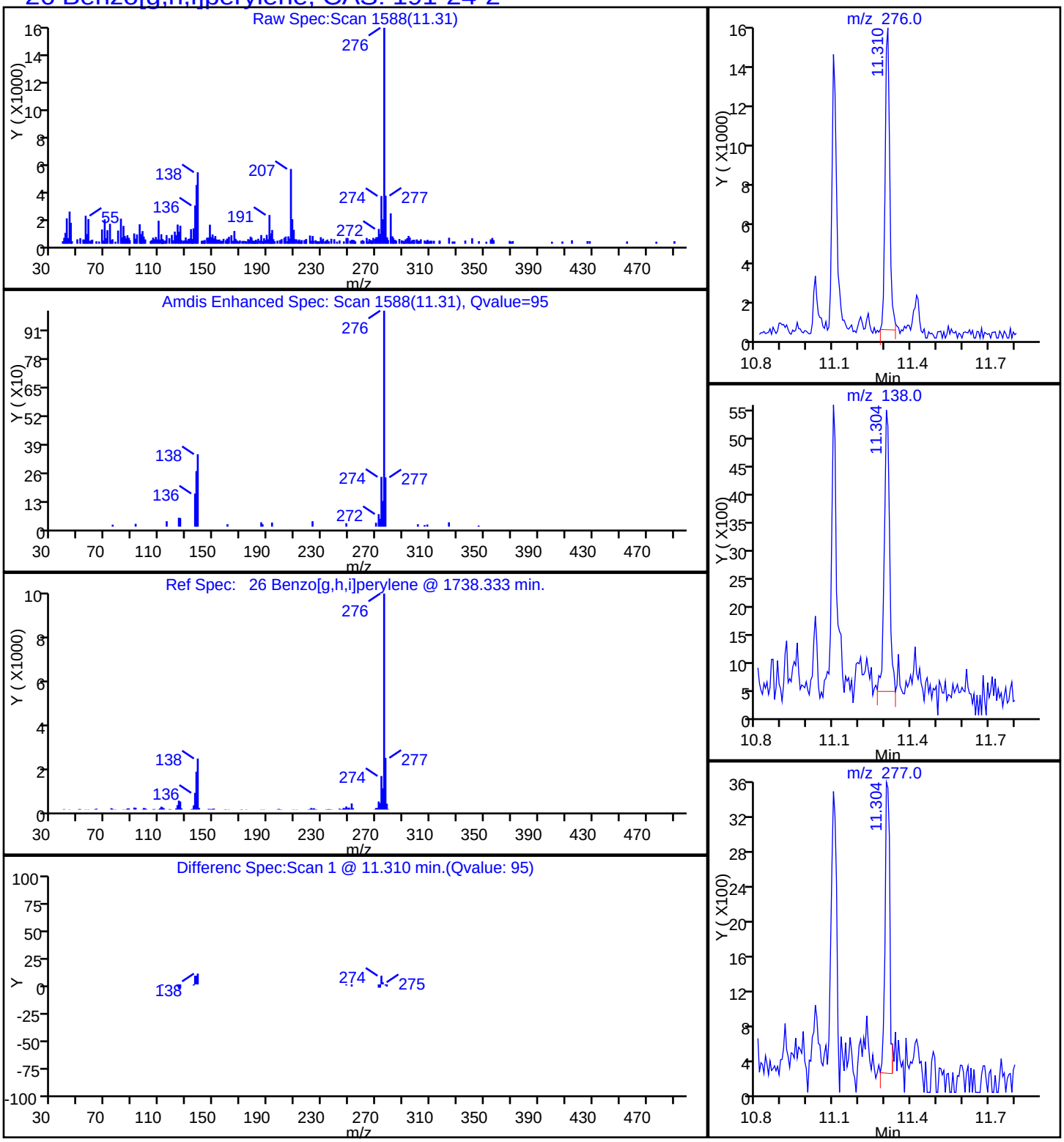


Report Date: 20-Oct-2014 09:22:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41		
Client ID:	CV0509T-CS12				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

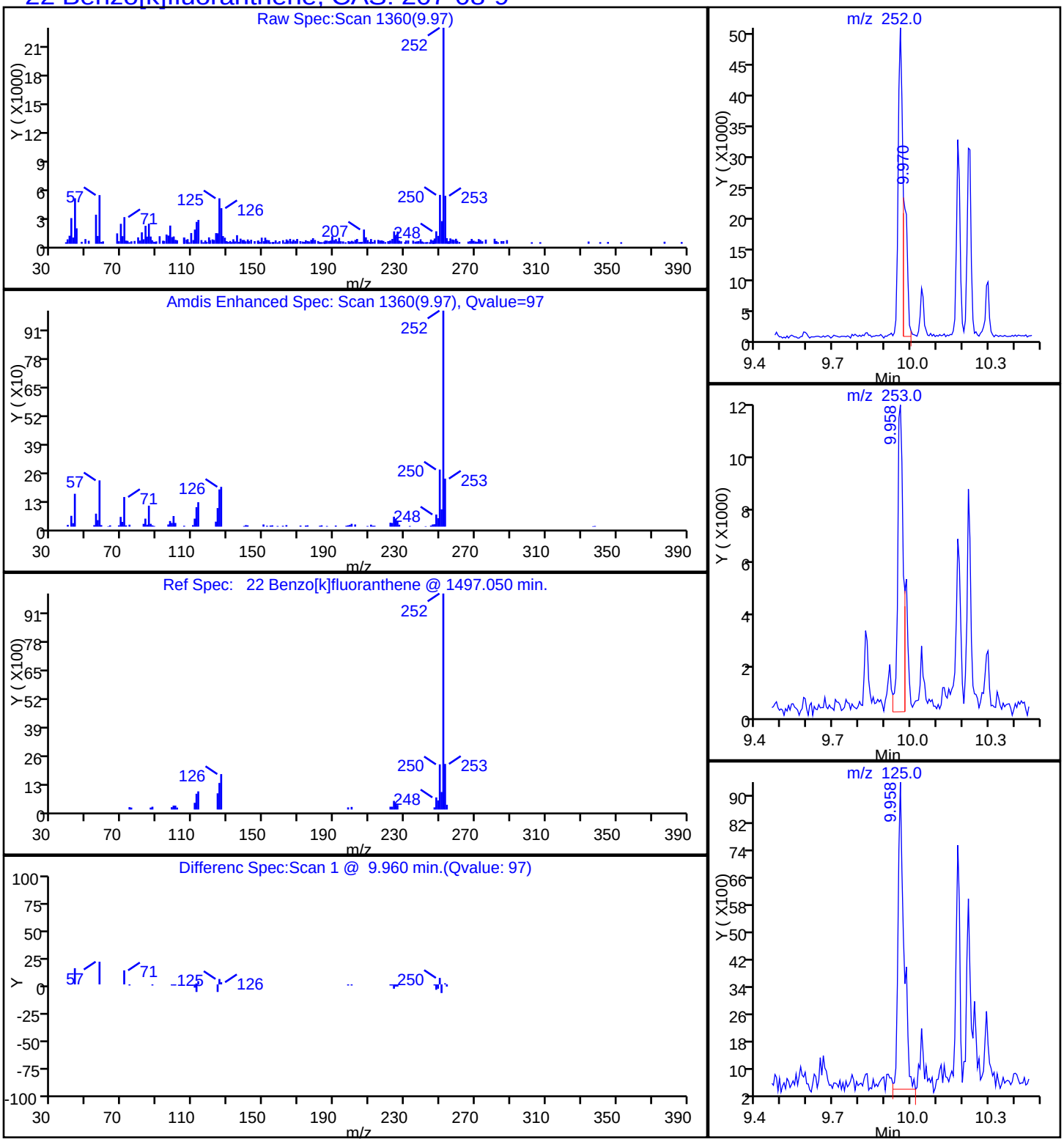


Report Date: 20-Oct-2014 09:22:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41		
Client ID:	CV0509T-CS12				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

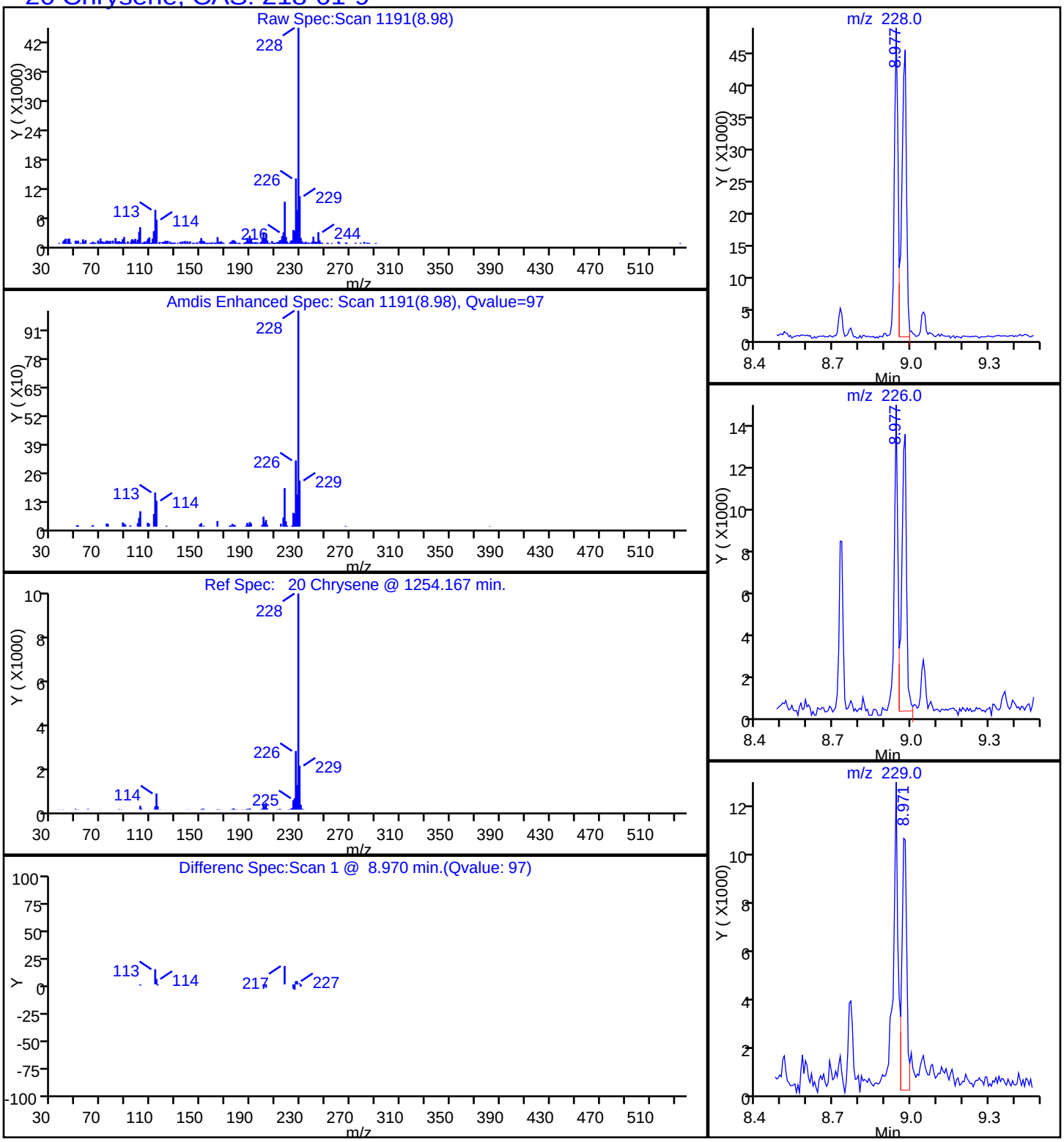


Report Date: 20-Oct-2014 09:22:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41		
Client ID:	CV0509T-CS12				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

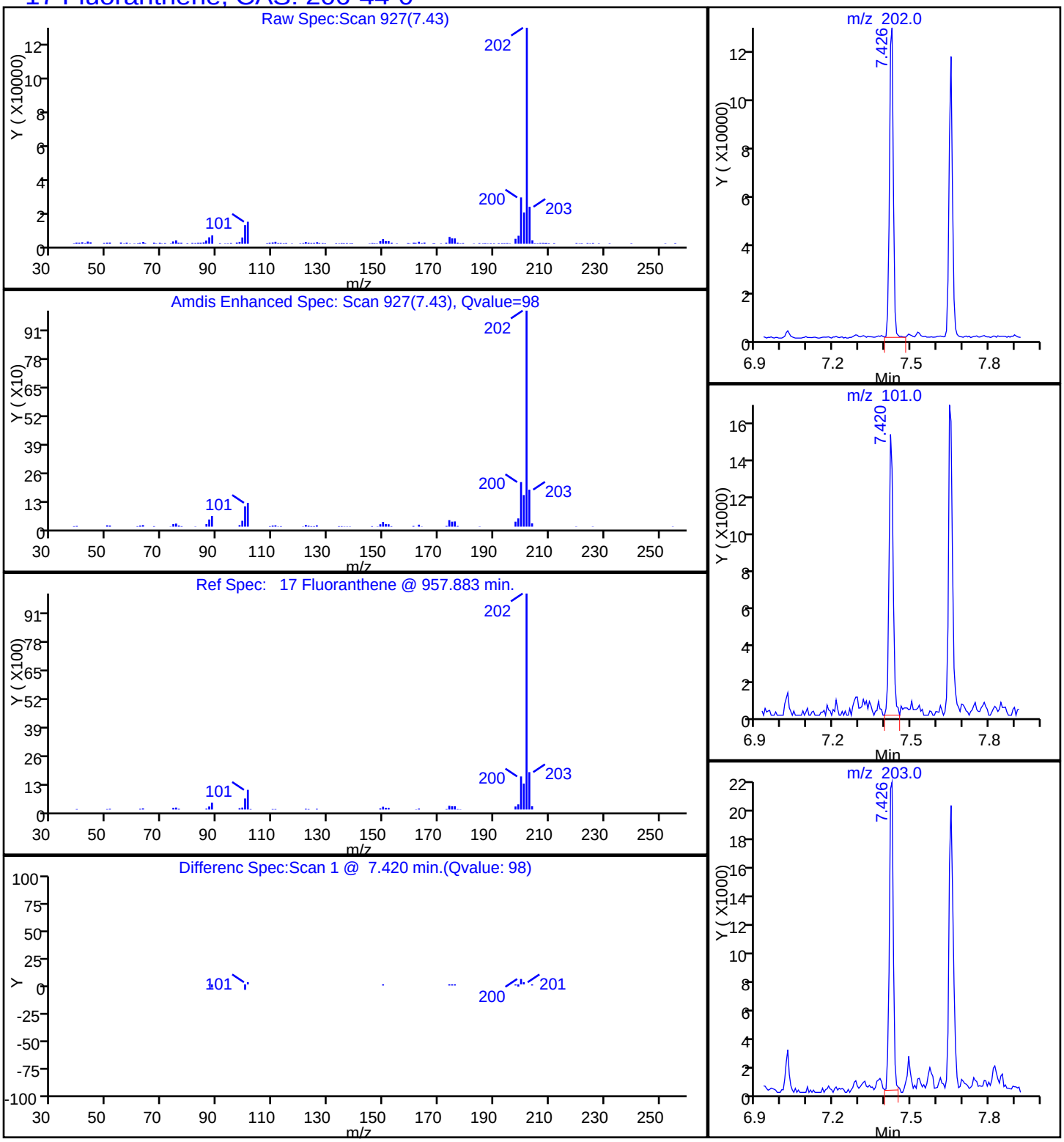


Report Date: 20-Oct-2014 09:22:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41		
Client ID:	CV0509T-CS12				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

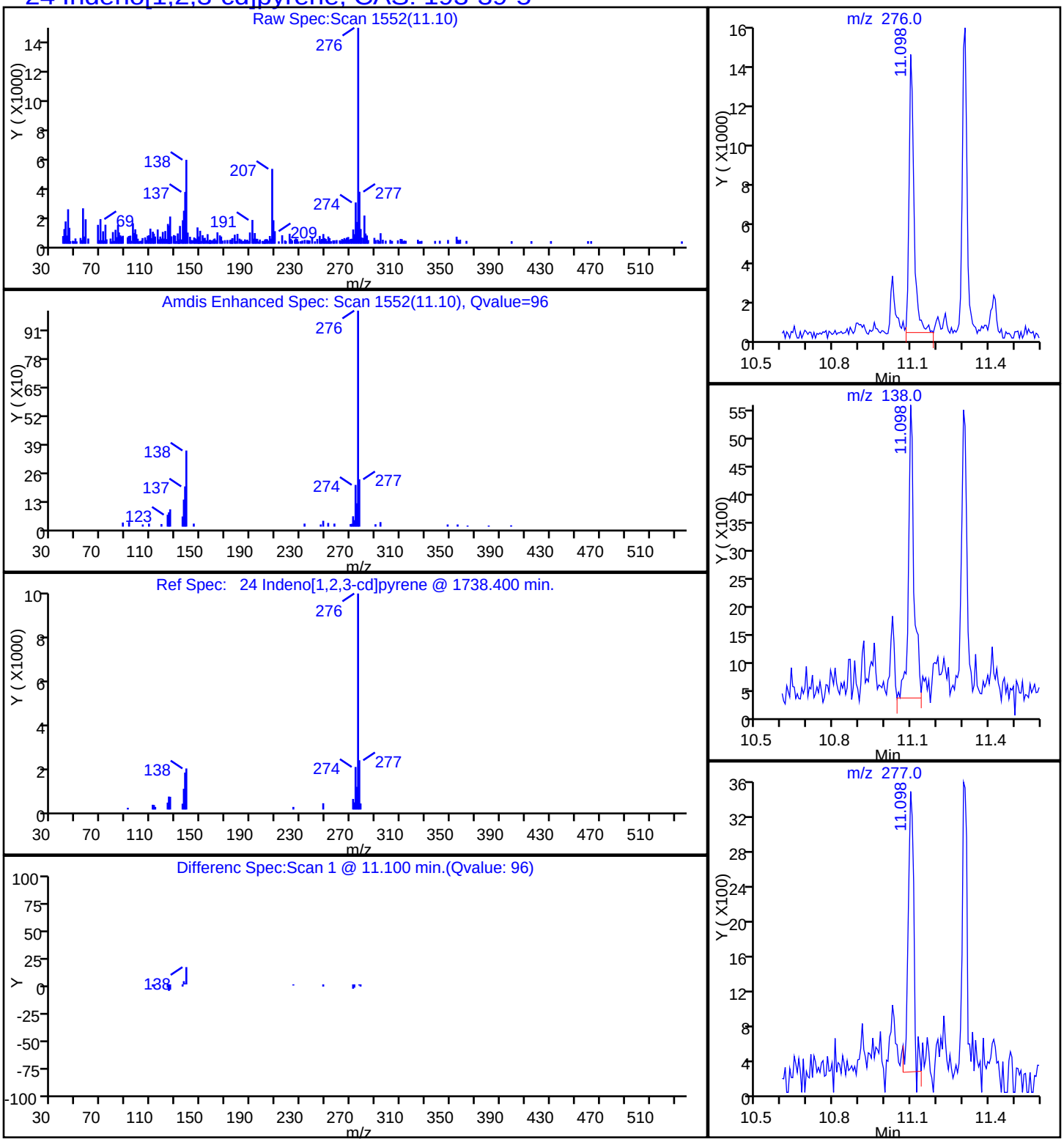


Report Date: 20-Oct-2014 09:22:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41		
Client ID:	CV0509T-CS12				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

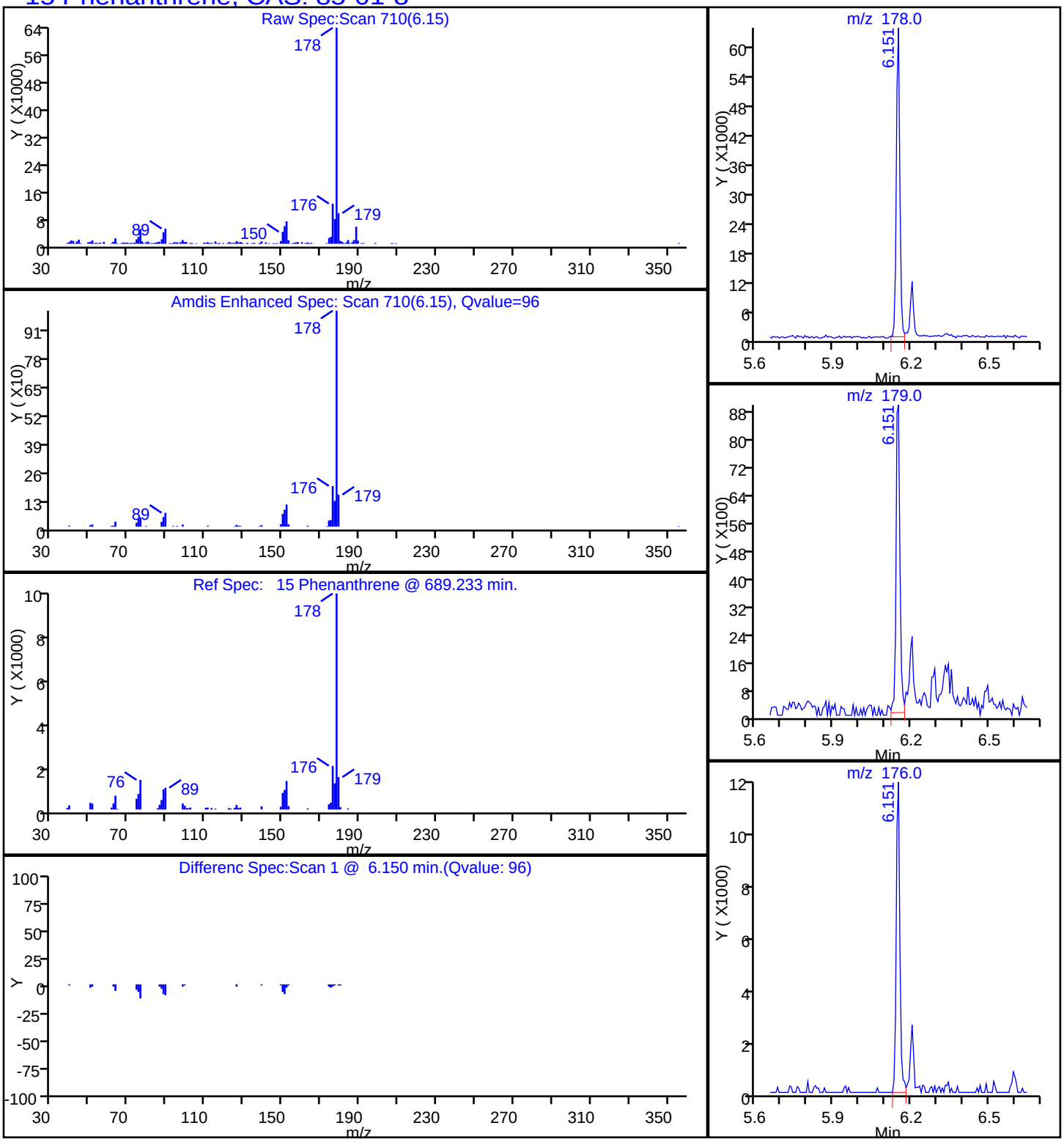


Report Date: 20-Oct-2014 09:22:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41		
Client ID:	CV0509T-CS12				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

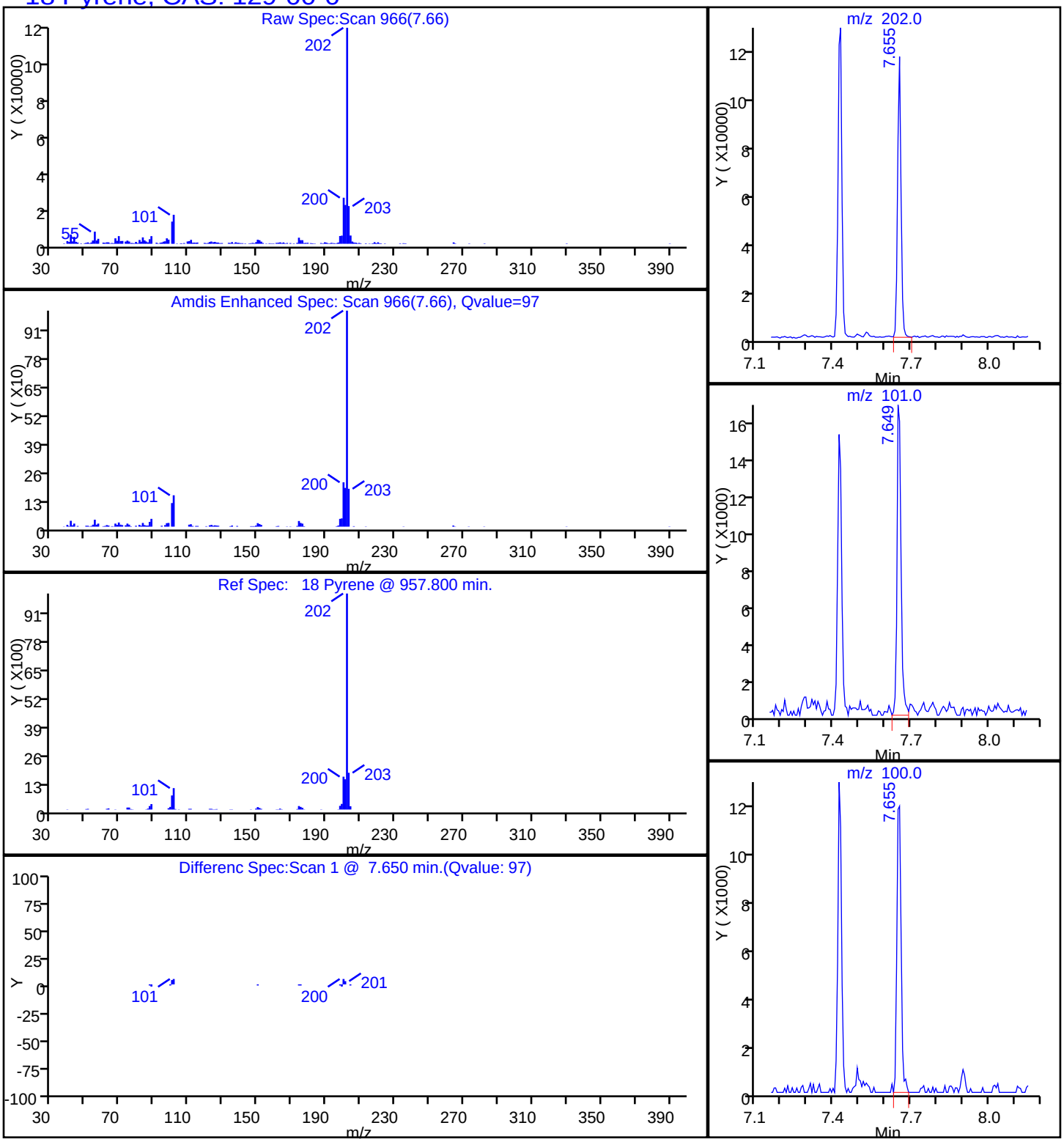


Report Date: 20-Oct-2014 09:22:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41		
Client ID:	CV0509T-CS12				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

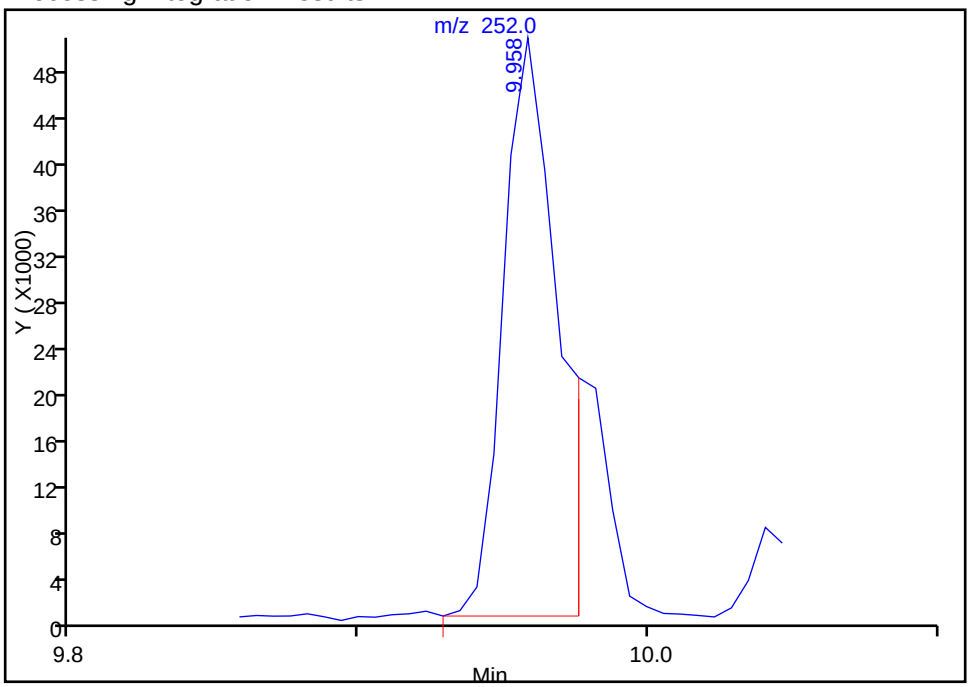
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41		
Client ID:	CV0509T-CS12				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

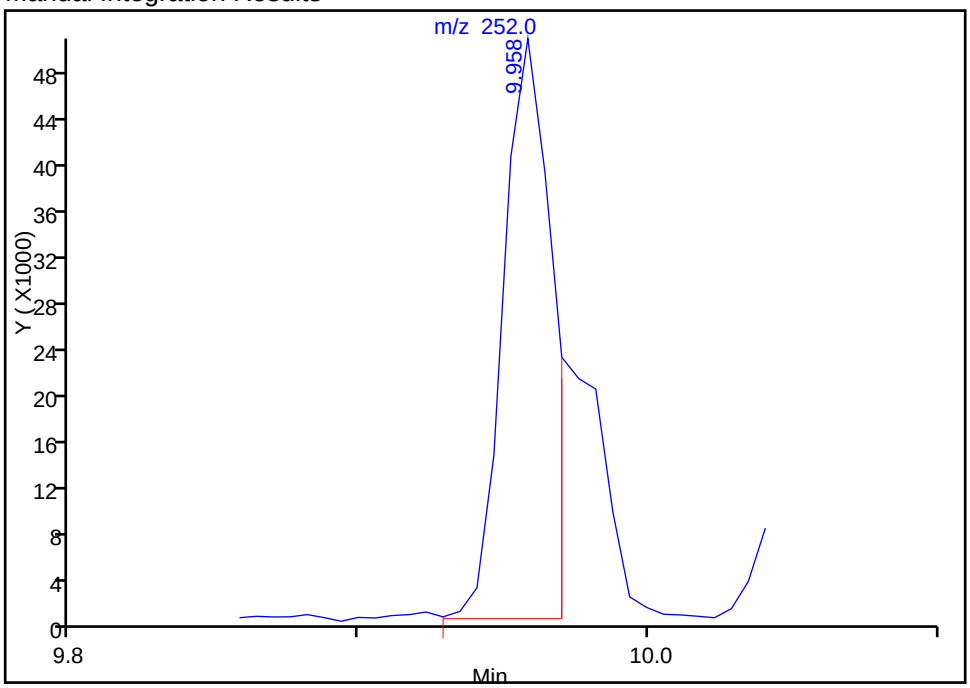
Processing Integration Results

RT: 9.96
Response: 66147
Amount: 0.502694



Manual Integration Results

RT: 9.96
Response: 59348
Amount: 0.451024



Reviewer: webbk, 17-Oct-2014 16:11:43
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

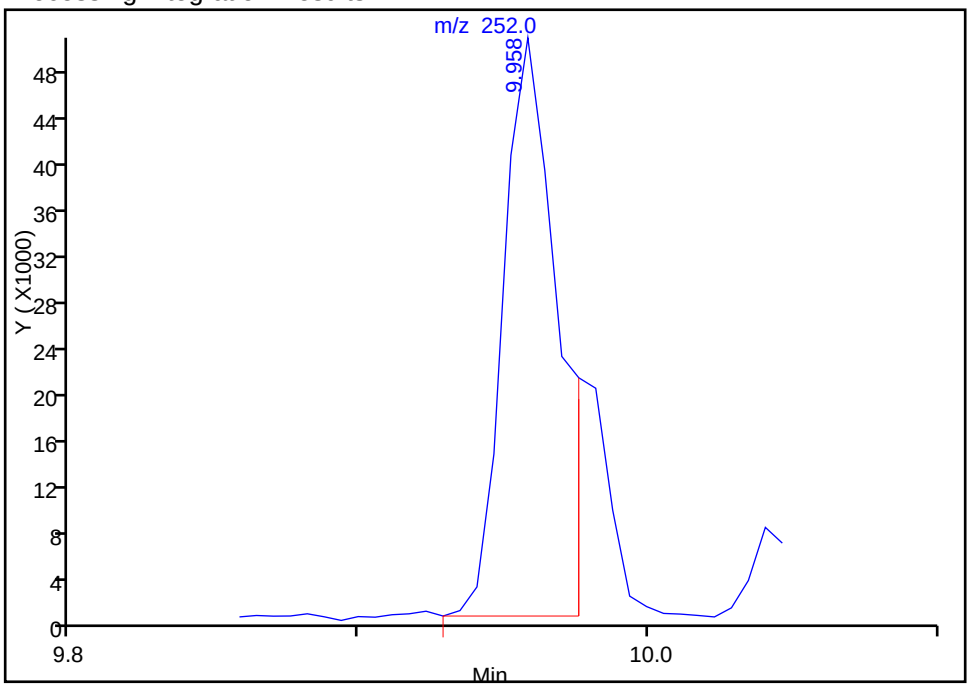
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1714.D				
Injection Date:	17-Oct-2014 15:40:30	Instrument ID:	CMSK		
Lims ID:	680-106200-A-41-A	Lab Sample ID:	680-106200-41		
Client ID:	CV0509T-CS12				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

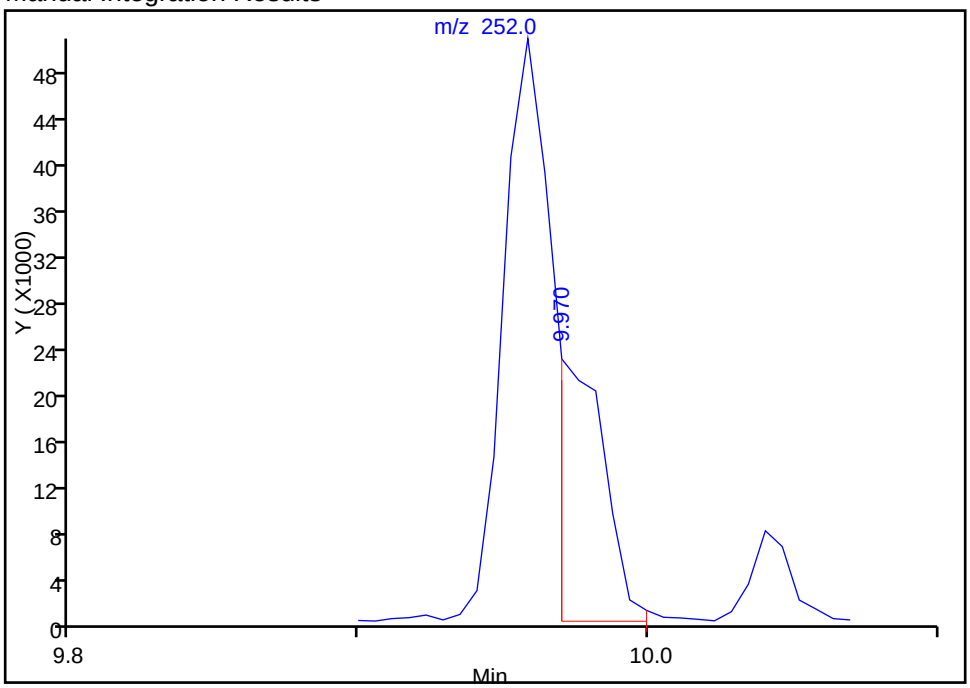
Processing Integration Results

RT: 9.96
Response: 66147
Amount: 0.516382



Manual Integration Results

RT: 9.97
Response: 26385
Amount: 0.205977



Reviewer: webbk, 17-Oct-2014 16:11:43
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0509T-CS18 | Lab Sample ID: 680-106200-42

Matrix: Solid | Lab File ID: 1YJ1714.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 09:40

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

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 14:25

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

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

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

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	75	U	75	37
208-96-8	Acenaphthylene	75	U	75	37
120-12-7	Anthracene	75	U	75	37
56-55-3	Benzo[a]anthracene	79		75	37
50-32-8	Benzo[a]pyrene	78		75	13
205-99-2	Benzo[b]fluoranthene	140		75	37
191-24-2	Benzo[g,h,i]perylene	63	J	75	37
207-08-9	Benzo[k]fluoranthene	49	J	75	22
218-01-9	Chrysene	100		75	37
53-70-3	Dibenz(a,h)anthracene	75	U	75	37
206-44-0	Fluoranthene	120		75	37
86-73-7	Fluorene	75	U	75	37
193-39-5	Indeno[1,2,3-cd]pyrene	52	J	75	37
90-12-0	1-Methylnaphthalene	75	U	75	35
91-57-6	2-Methylnaphthalene	75	U	75	37
91-20-3	Naphthalene	75	U	75	37
85-01-8	Phenanthrene	62	J	75	27
129-00-0	Pyrene	110		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\1YJ1714.D				
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42		
Client ID:	CV0509T-CS18				
Sample Type:	Client				
Inject. Date:	17-Oct-2014 14:25:30	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	106200-A-42-A 1:10				
Misc. Info.:	680-0013845-014				
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 15:05:35

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	135588	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	92	76762	2.00	
* 3 Phenanthrene-d10	188	6.005	6.005	0.001	98	135050	2.00	
* 4 Chrysene-d12	240	8.877	8.877	0.000	99	119723	2.00	
* 5 Perylene-d12	264	10.230	10.225	0.005	99	98671	2.00	
15 Phenanthrene	178	6.026	6.031	-0.005	96	13448	0.1664	
16 Anthracene	178	6.085	6.085	0.000	98	3599	0.0448	
17 Fluoranthene	202	7.320	7.320	0.000	98	27372	0.3195	
18 Pyrene	202	7.556	7.556	0.000	98	24208	0.3088	
19 Benzo[a]anthracene	228	8.866	8.866	0.000	97	14834	0.2119	
20 Chrysene	228	8.898	8.903	-0.005	99	18724	0.2802	
21 Benzo[b]fluoranthene	252	9.904	9.904	0.000	98	24356	0.3753	
22 Benzo[k]fluoranthene	252	9.925	9.930	-0.005	98	8268	0.1311	M
23 Benzo[a]pyrene	252	10.176	10.176	0.000	98	11152	0.2089	
24 Indeno[1,2,3-cd]pyrene	276	11.064	11.070	-0.006	99	9171	0.1395	
25 Dibenz(a,h)anthracene	278	11.091	11.091	0.000	94	3750	0.0804	
26 Benzo[g,h,i]perylene	276	11.273	11.273	0.000	98	8307	0.1708	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

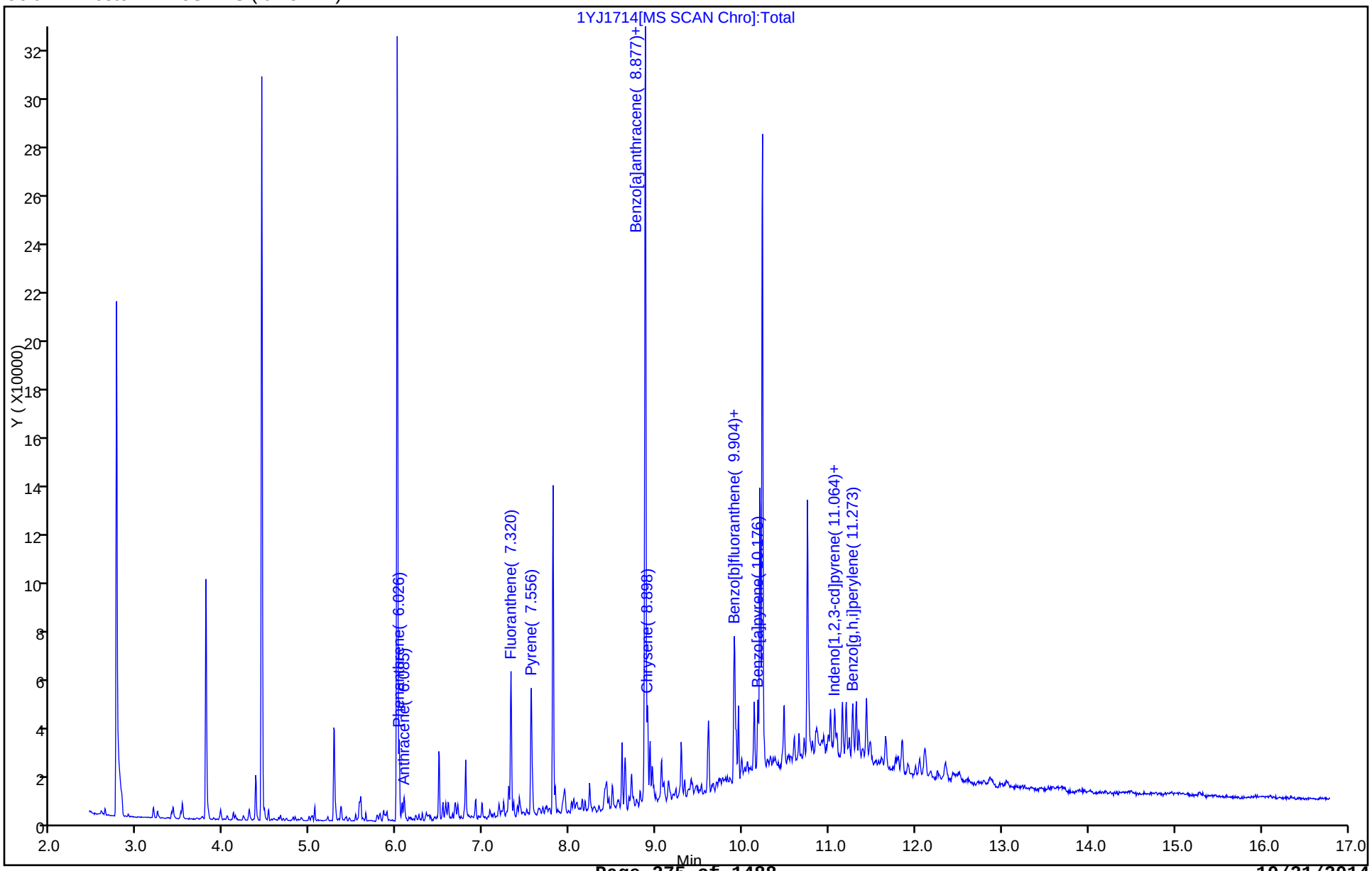
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1714.D				
Injection Date:	17-Oct-2014 14:25:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42	Worklist Smp#:	14
Client ID:	CV0509T-CS18				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	14
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

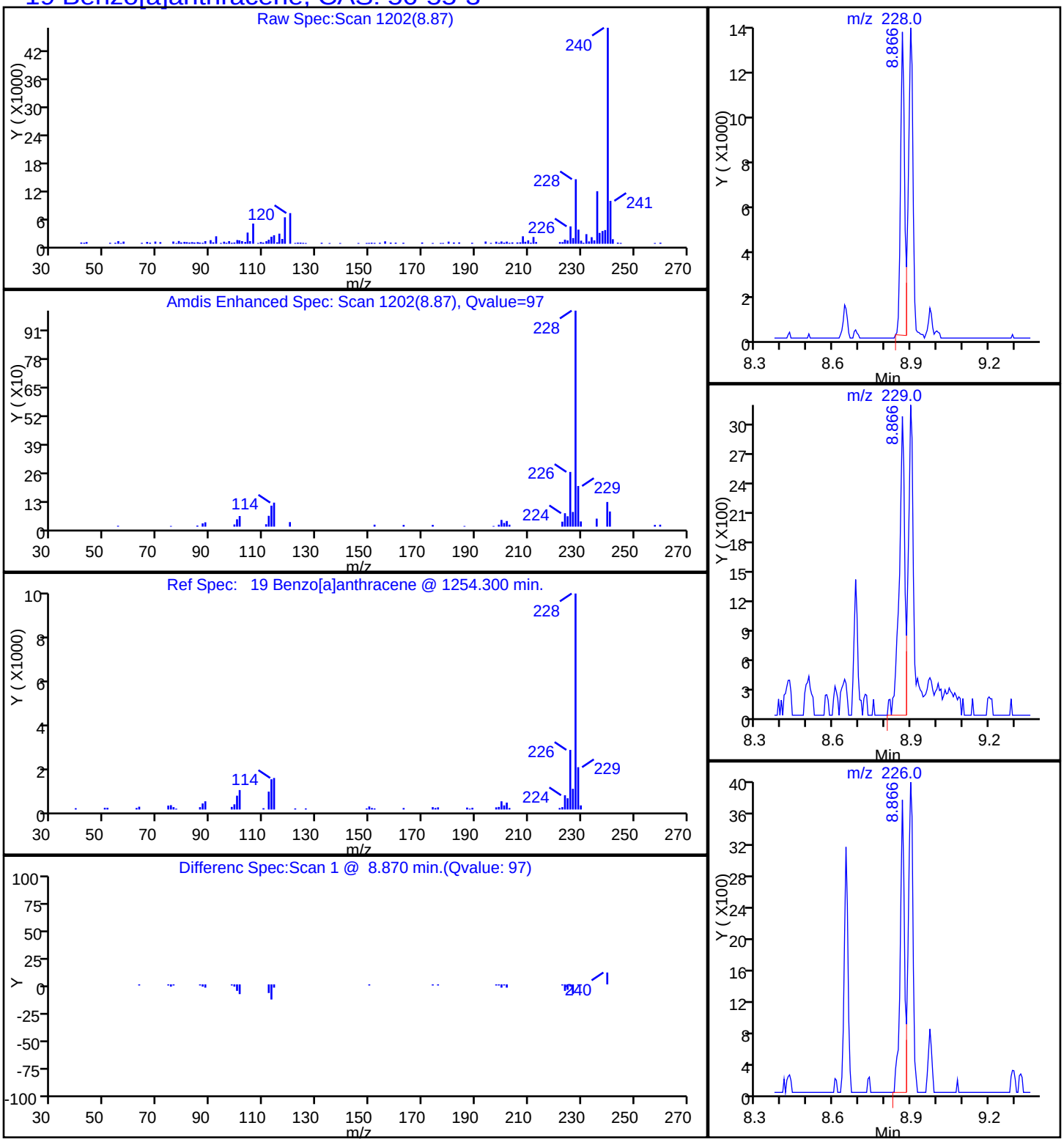


Report Date: 20-Oct-2014 09:22:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1714.D				
Injection Date:	17-Oct-2014 14:25:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42		
Client ID:	CV0509T-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
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

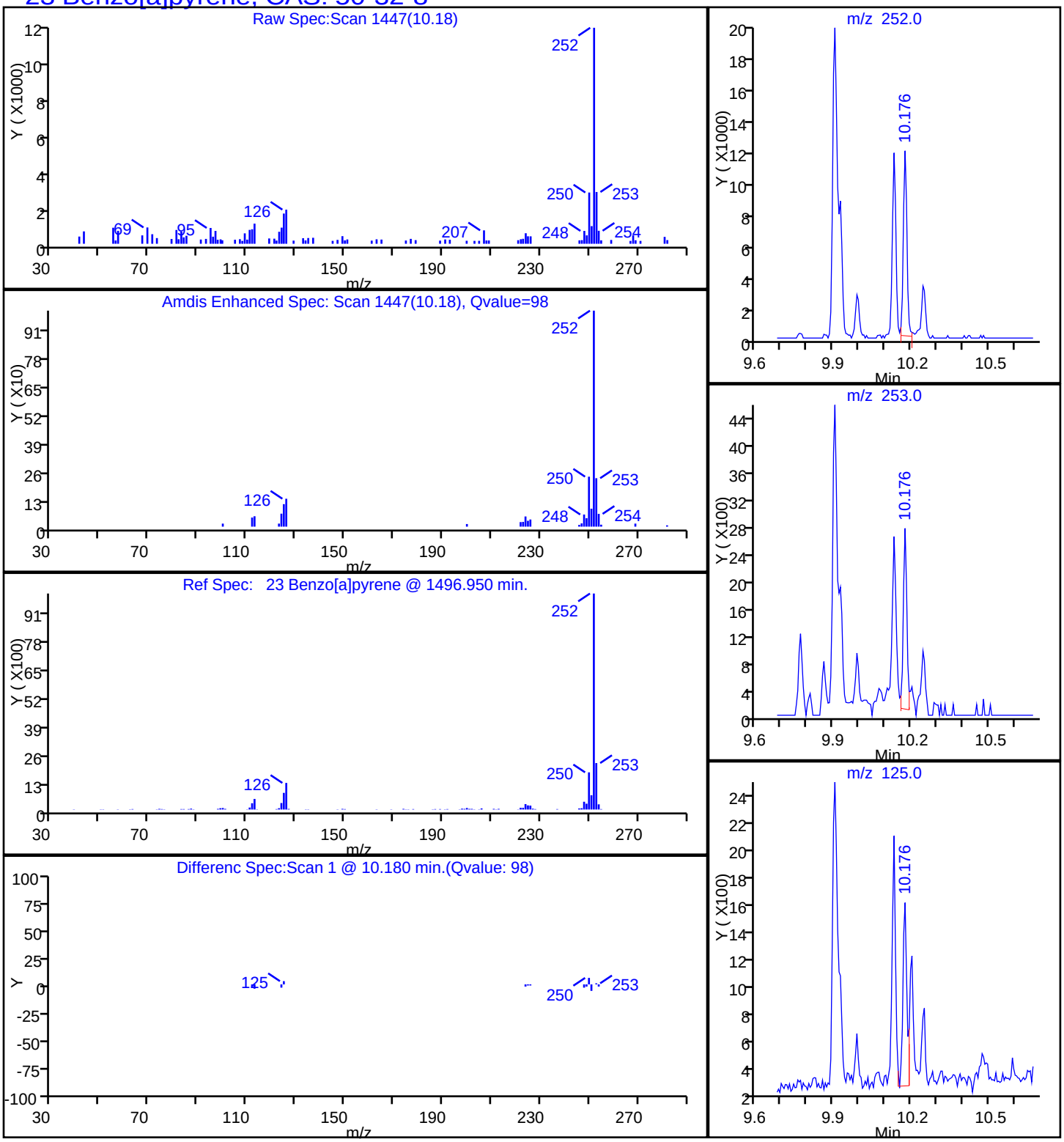


Report Date: 20-Oct-2014 09:22:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1714.D				
Injection Date:	17-Oct-2014 14:25:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42		
Client ID:	CV0509T-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
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

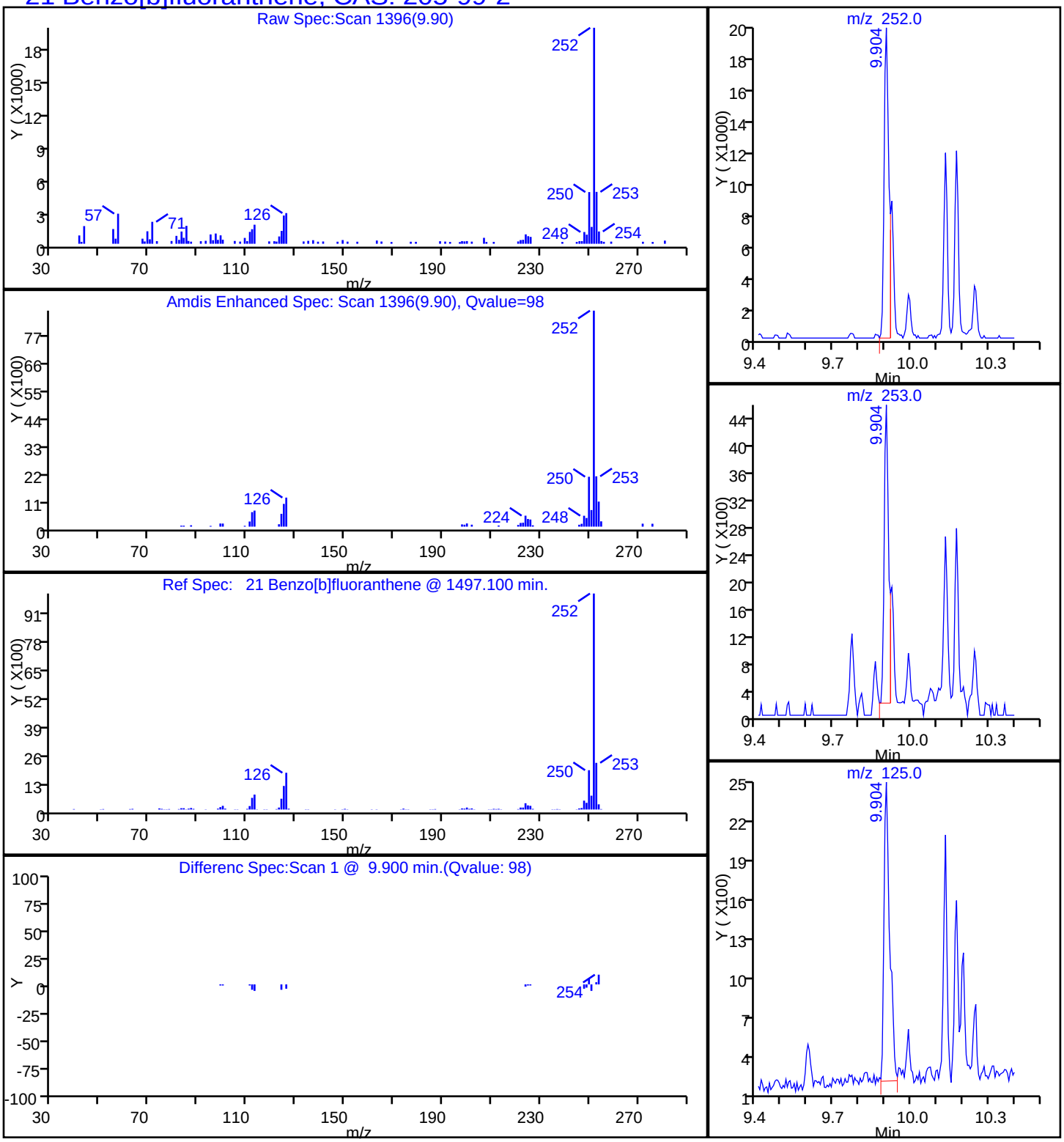


Report Date: 20-Oct-2014 09:22:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1714.D				
Injection Date:	17-Oct-2014 14:25:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42		
Client ID:	CV0509T-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
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

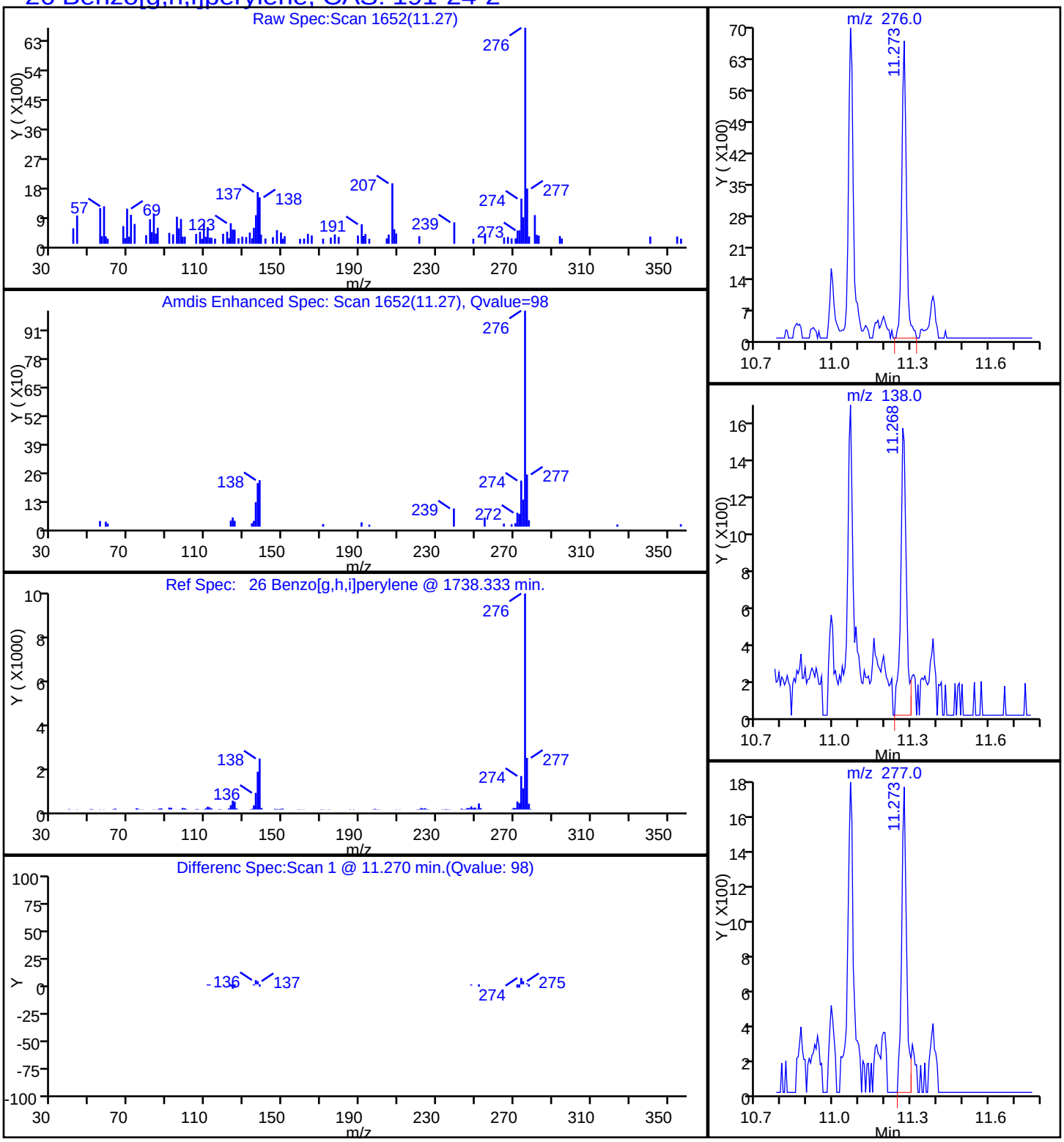


Report Date: 20-Oct-2014 09:22:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1714.D				
Injection Date:	17-Oct-2014 14:25:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42		
Client ID:	CV0509T-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
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

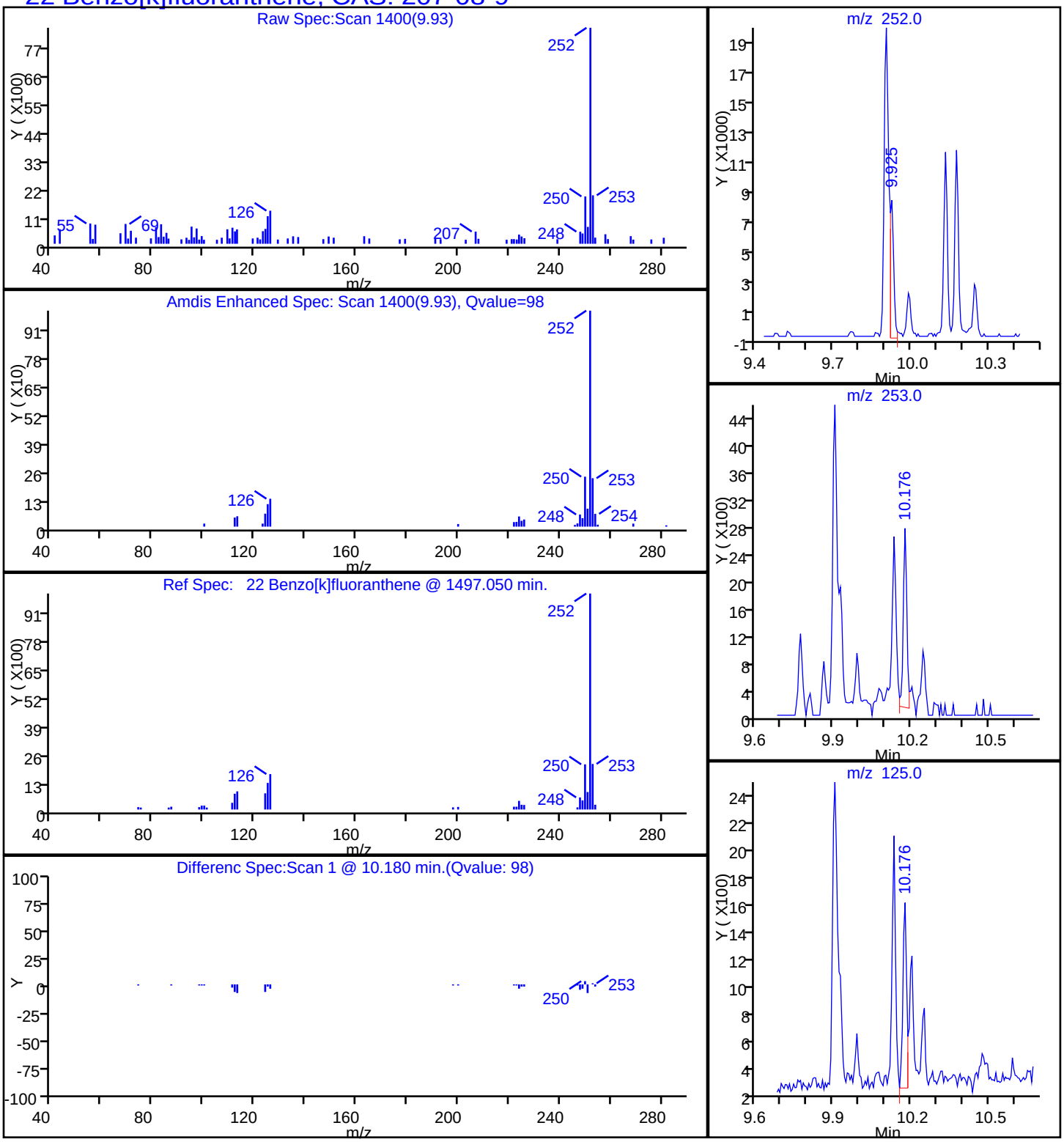


Report Date: 20-Oct-2014 09:22:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1714.D				
Injection Date:	17-Oct-2014 14:25:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42		
Client ID:	CV0509T-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
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

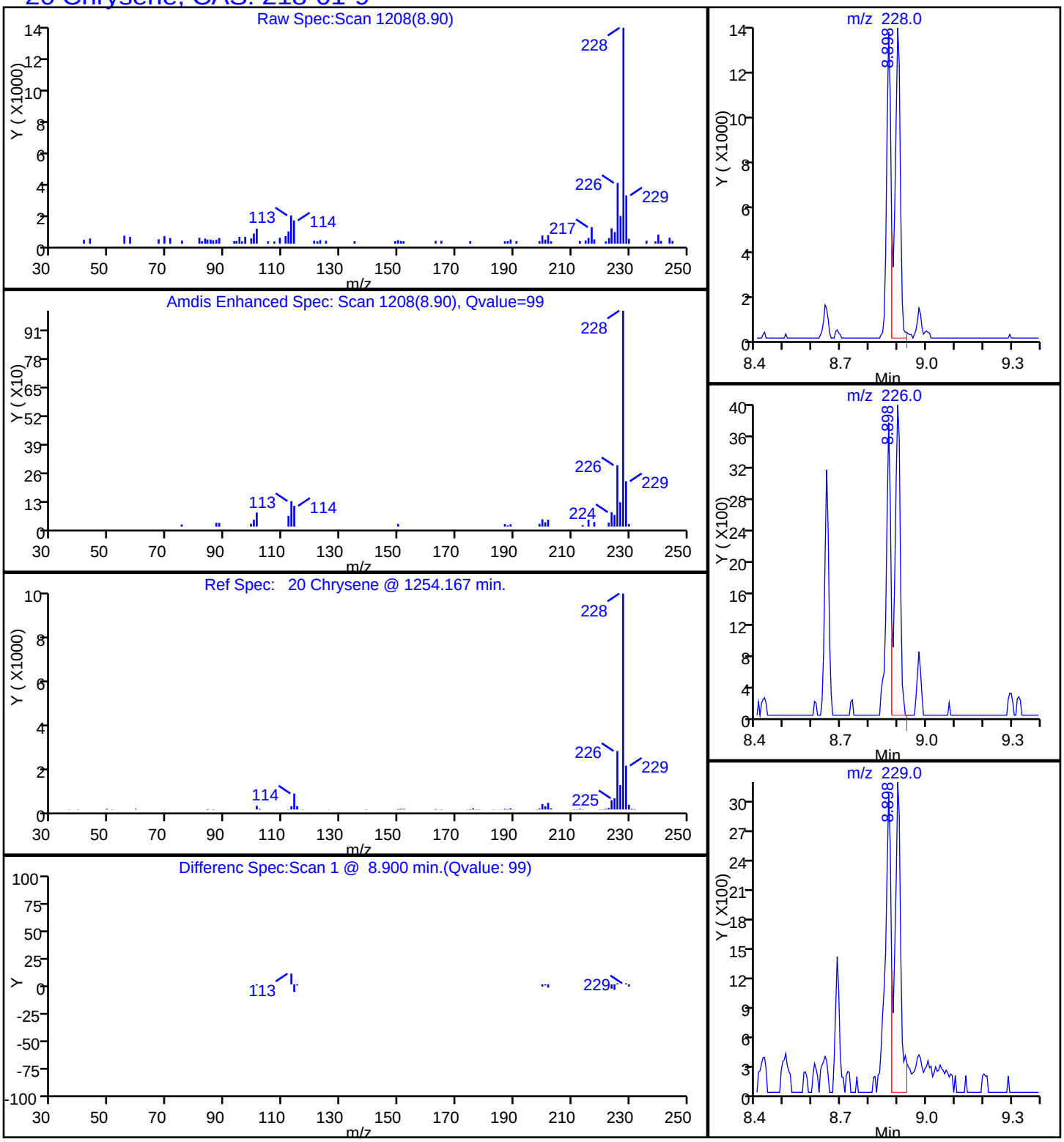


Report Date: 20-Oct-2014 09:22:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1714.D				
Injection Date:	17-Oct-2014 14:25:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42		
Client ID:	CV0509T-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
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

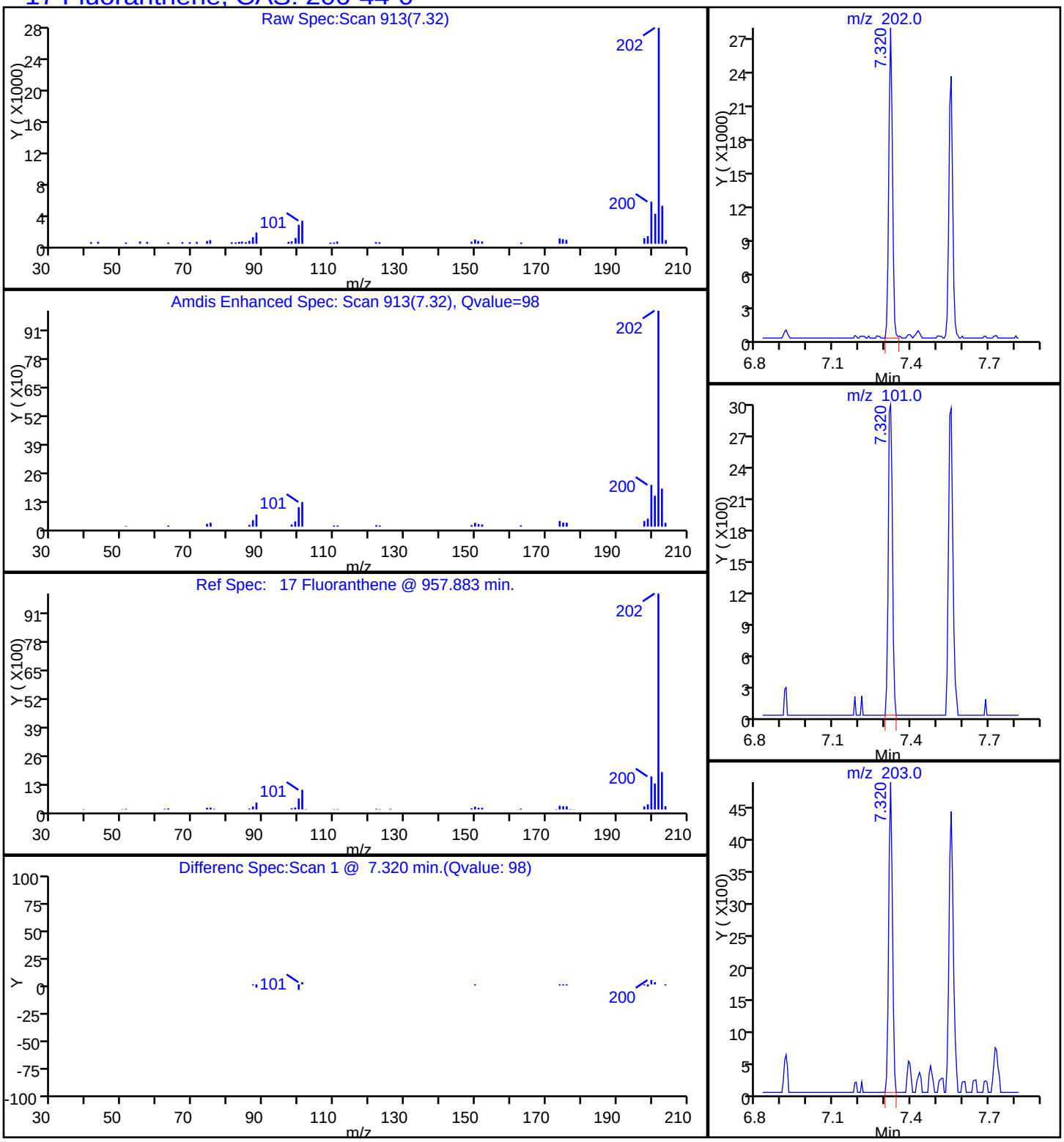


Report Date: 20-Oct-2014 09:22:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1714.D				
Injection Date:	17-Oct-2014 14:25:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42		
Client ID:	CV0509T-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
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

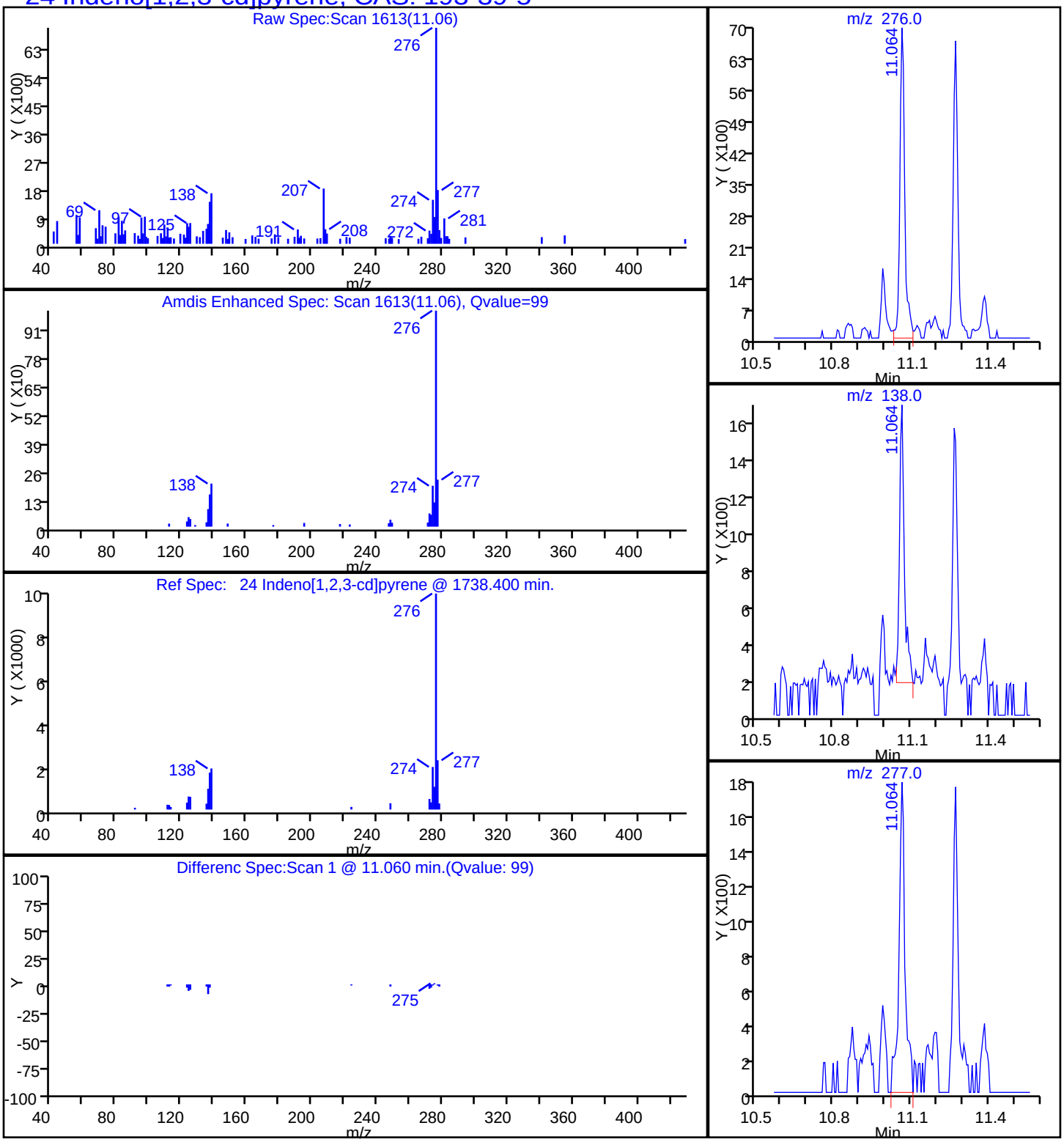


Report Date: 20-Oct-2014 09:22:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1714.D				
Injection Date:	17-Oct-2014 14:25:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42		
Client ID:	CV0509T-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
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

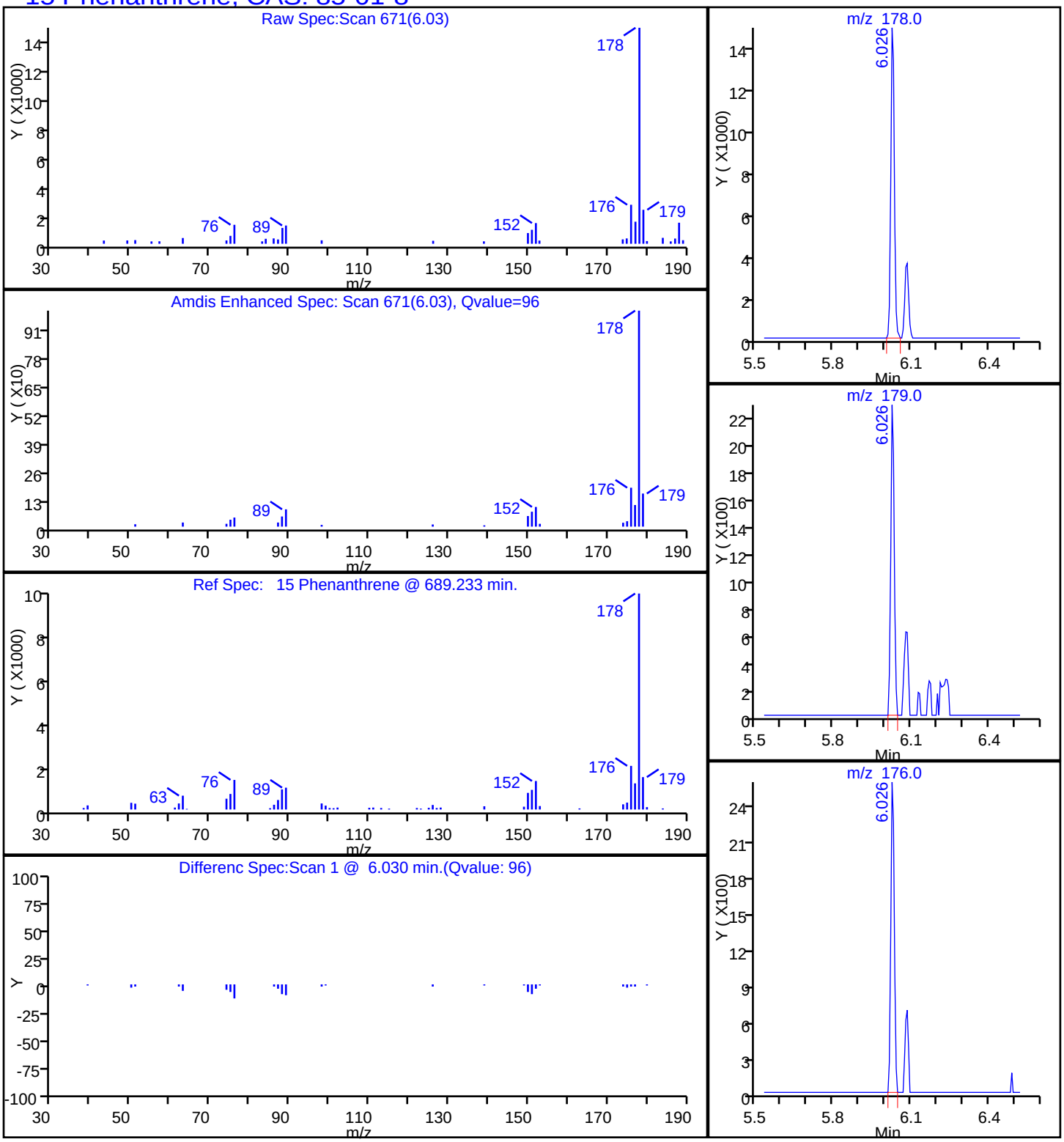


Report Date: 20-Oct-2014 09:22:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1714.D				
Injection Date:	17-Oct-2014 14:25:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42		
Client ID:	CV0509T-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
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

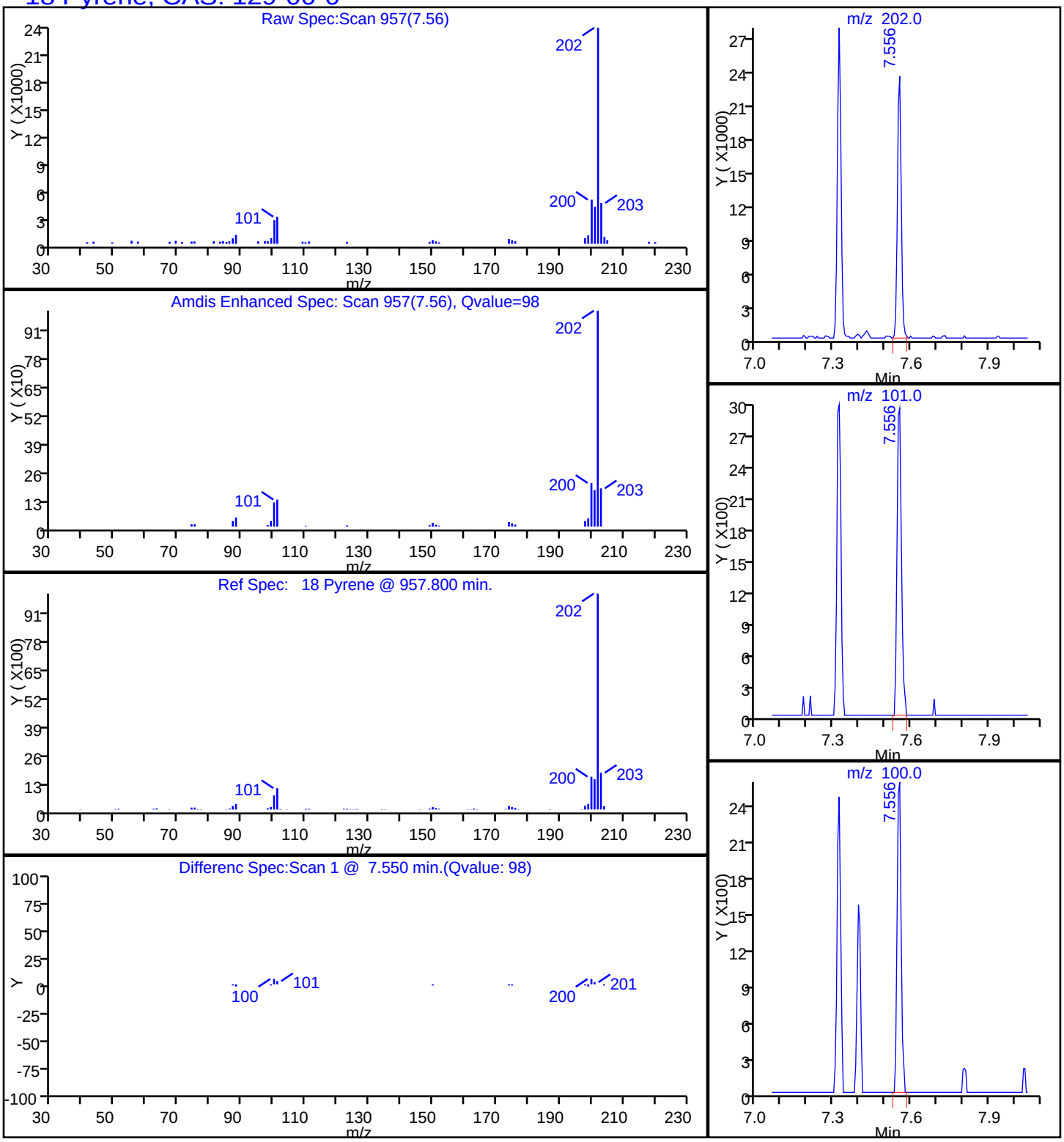


Report Date: 20-Oct-2014 09:22:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1714.D				
Injection Date:	17-Oct-2014 14:25:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42		
Client ID:	CV0509T-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
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

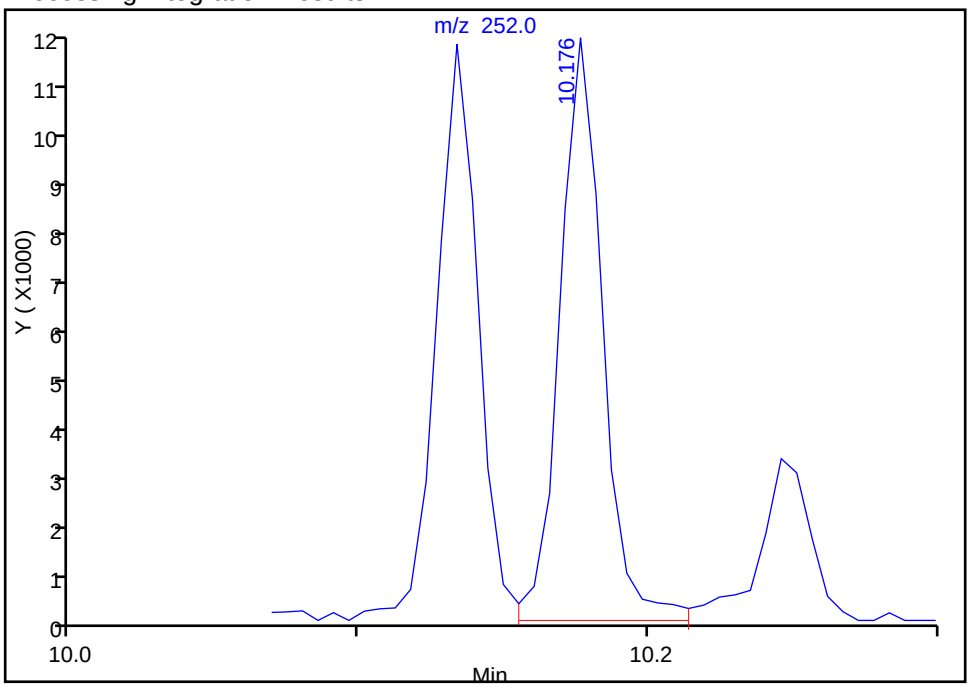
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1714.D				
Injection Date:	17-Oct-2014 14:25:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-42-A	Lab Sample ID:	680-106200-42		
Client ID:	CV0509T-CS18				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
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

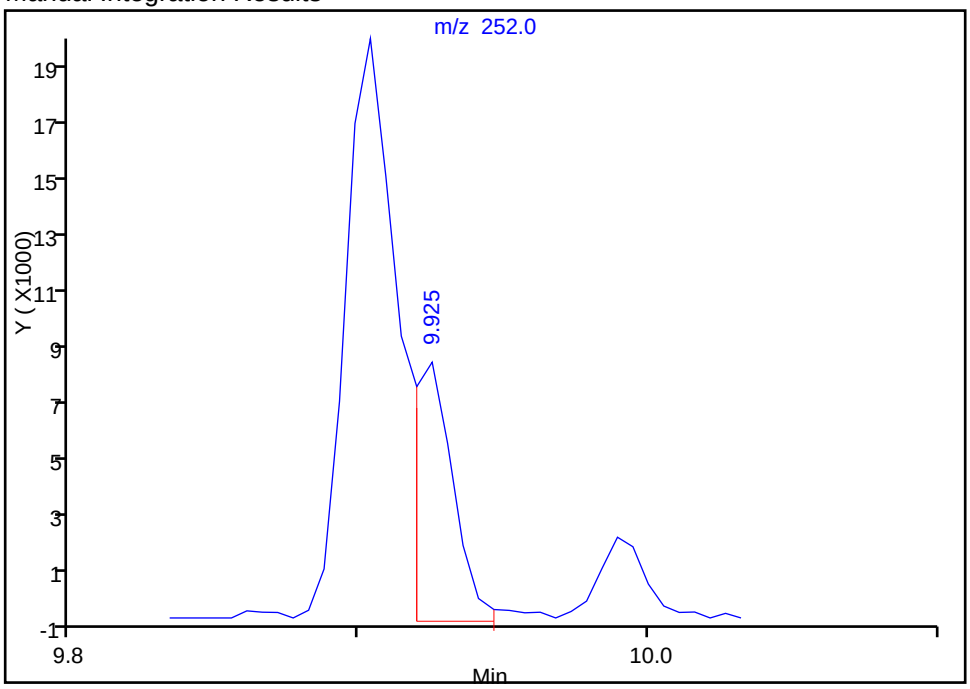
Processing Integration Results

RT: 10.18
Response: 11823
Amount: 0.187500



Manual Integration Results

RT: 9.93
Response: 8268
Amount: 0.131090



Reviewer: webbk, 17-Oct-2014 15:05:35
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0613B-CS6 | Lab Sample ID: 680-106200-43

Matrix: Solid | Lab File ID: 1YJ1715.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 14:50

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

Sample wt/vol: 30.04(g) | Date Analyzed: 10/17/2014 14:48

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

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

% Moisture: 8.3 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	72	J	73	36
208-96-8	Acenaphthylene	73	U	73	36
120-12-7	Anthracene	210		73	36
56-55-3	Benzo[a]anthracene	900		73	36
50-32-8	Benzo[a]pyrene	920		73	13
205-99-2	Benzo[b]fluoranthene	1500		73	36
191-24-2	Benzo[g,h,i]perylene	600		73	36
207-08-9	Benzo[k]fluoranthene	530		73	22
218-01-9	Chrysene	1100		73	36
53-70-3	Dibenz(a,h)anthracene	270		73	36
206-44-0	Fluoranthene	1700		73	36
86-73-7	Fluorene	64	J	73	36
193-39-5	Indeno[1,2,3-cd]pyrene	470		73	36
90-12-0	1-Methylnaphthalene	76		73	34
91-57-6	2-Methylnaphthalene	91		73	36
91-20-3	Naphthalene	81		73	36
85-01-8	Phenanthrene	850		73	26
129-00-0	Pyrene	1600		73	36

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\1YJ1715.D
Lims ID: 680-106200-A-43-A Lab Sample ID: 680-106200-43
Client ID: CV0613B-CS6
Sample Type: Client
Inject. Date: 17-Oct-2014 14:48:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-43-A 1:10
Misc. Info.: 680-0013845-015
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 15:23:01

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	144916	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	91	82334	2.00	
* 3 Phenanthrene-d10	188	6.004	6.005	0.000	98	143372	2.00	
* 4 Chrysene-d12	240	8.882	8.877	0.005	99	123384	2.00	
* 5 Perylene-d12	264	10.230	10.225	0.005	99	93986	2.00	
7 Naphthalene	128	2.774	2.774	0.000	98	17551	0.2220	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	86	13191	0.2517	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	91	10114	0.2081	
11 Acenaphthylene	152	4.288	4.288	0.000	97	7711	0.0966	
12 Acenaphthene	153	4.469	4.469	0.000	95	10154	0.1981	
14 Fluorene	166	5.015	5.015	0.000	95	10046	0.1775	
15 Phenanthrene	178	6.031	6.031	0.000	96	200841	2.34	
16 Anthracene	178	6.085	6.085	0.000	99	48236	0.5653	
17 Fluoranthene	202	7.326	7.320	0.006	98	420736	4.63	
18 Pyrene	202	7.561	7.556	0.005	97	344412	4.28	
19 Benzo[a]anthracene	228	8.871	8.866	0.005	98	178342	2.47	
20 Chrysene	228	8.903	8.903	0.000	99	207711	3.07	
21 Benzo[b]fluoranthene	252	9.909	9.904	0.005	99	251293	4.07	M
22 Benzo[k]fluoranthene	252	9.930	9.930	0.000	99	86757	1.45	M
23 Benzo[a]pyrene	252	10.182	10.176	0.006	98	128229	2.52	
24 Indeno[1,2,3-cd]pyrene	276	11.070	11.070	0.000	99	87195	1.29	
25 Dibenz(a,h)anthracene	278	11.091	11.091	0.000	98	33463	0.7526	
26 Benzo[g,h,i]perylene	276	11.278	11.273	0.005	98	76911	1.66	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

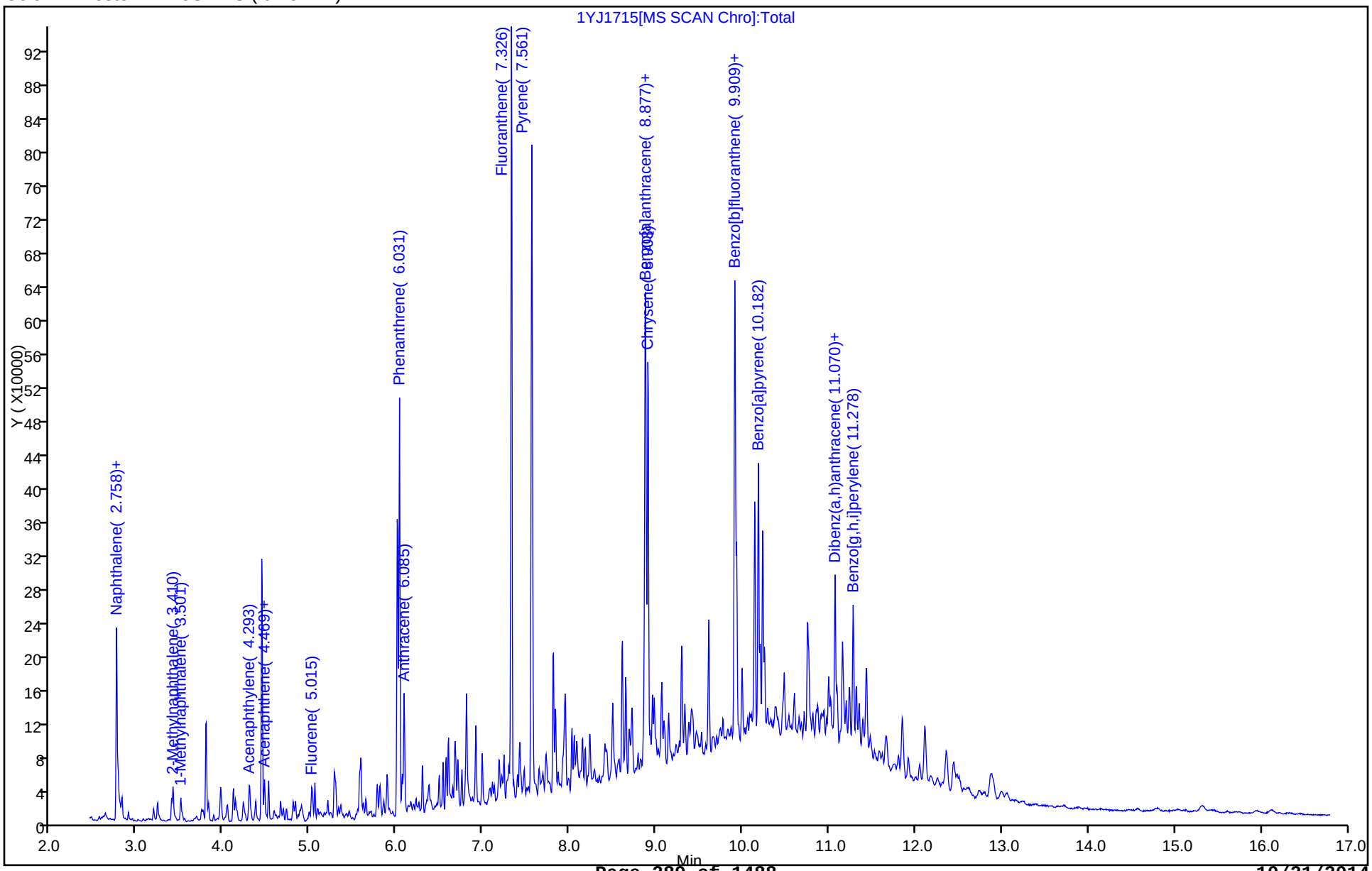
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43	Worklist Smp#:	15
Client ID:	CV0613B-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	15
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

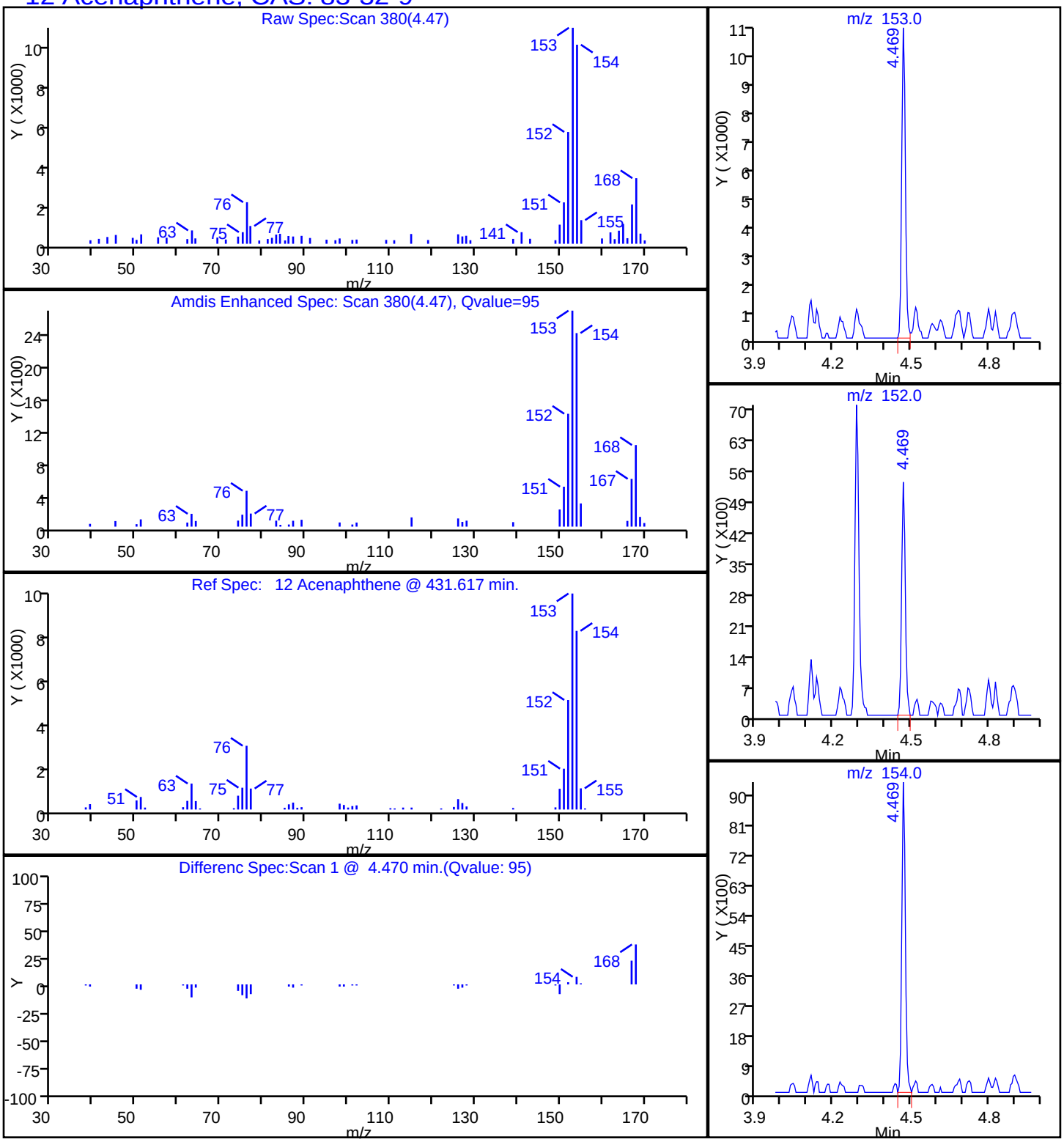


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

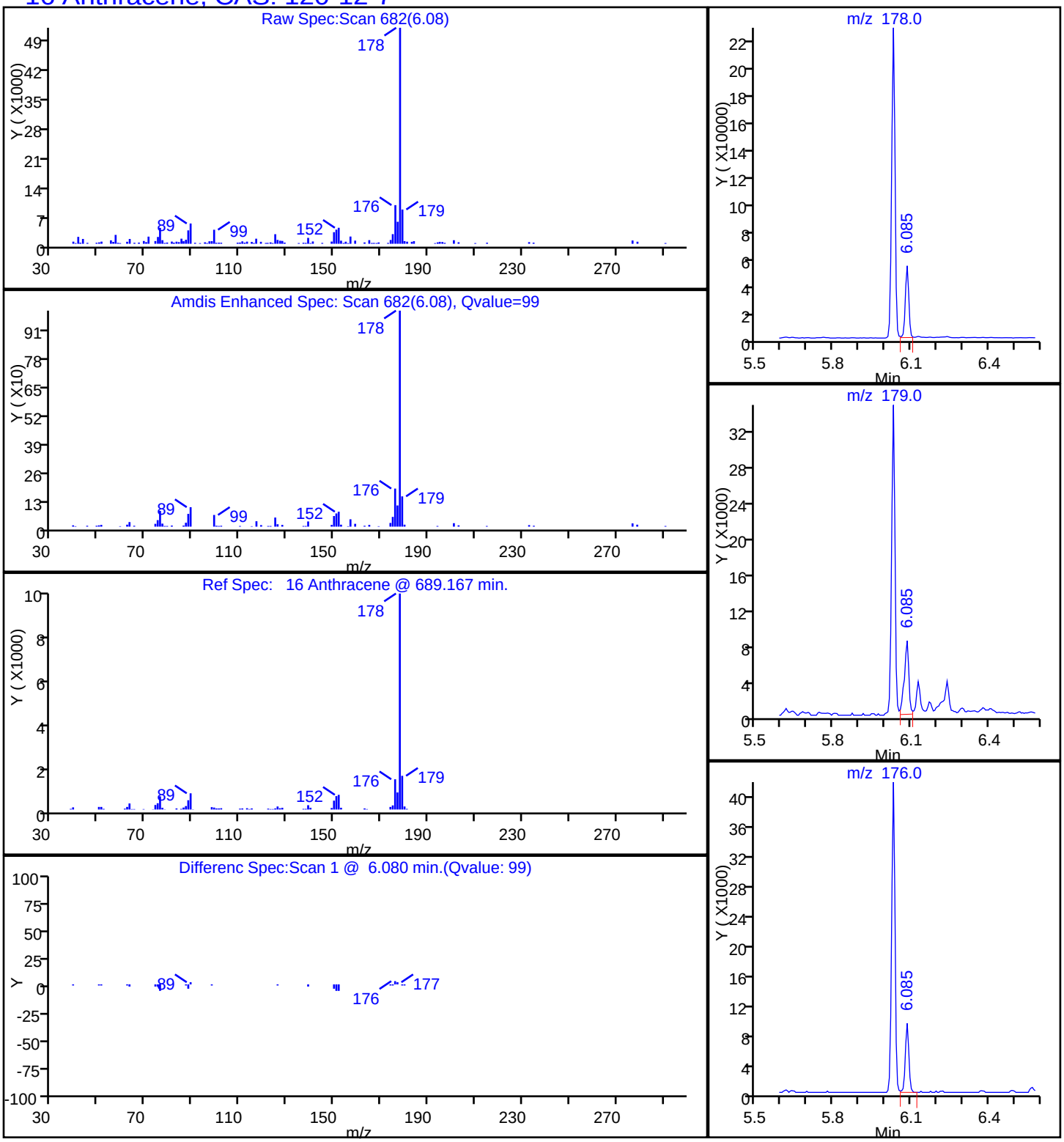


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

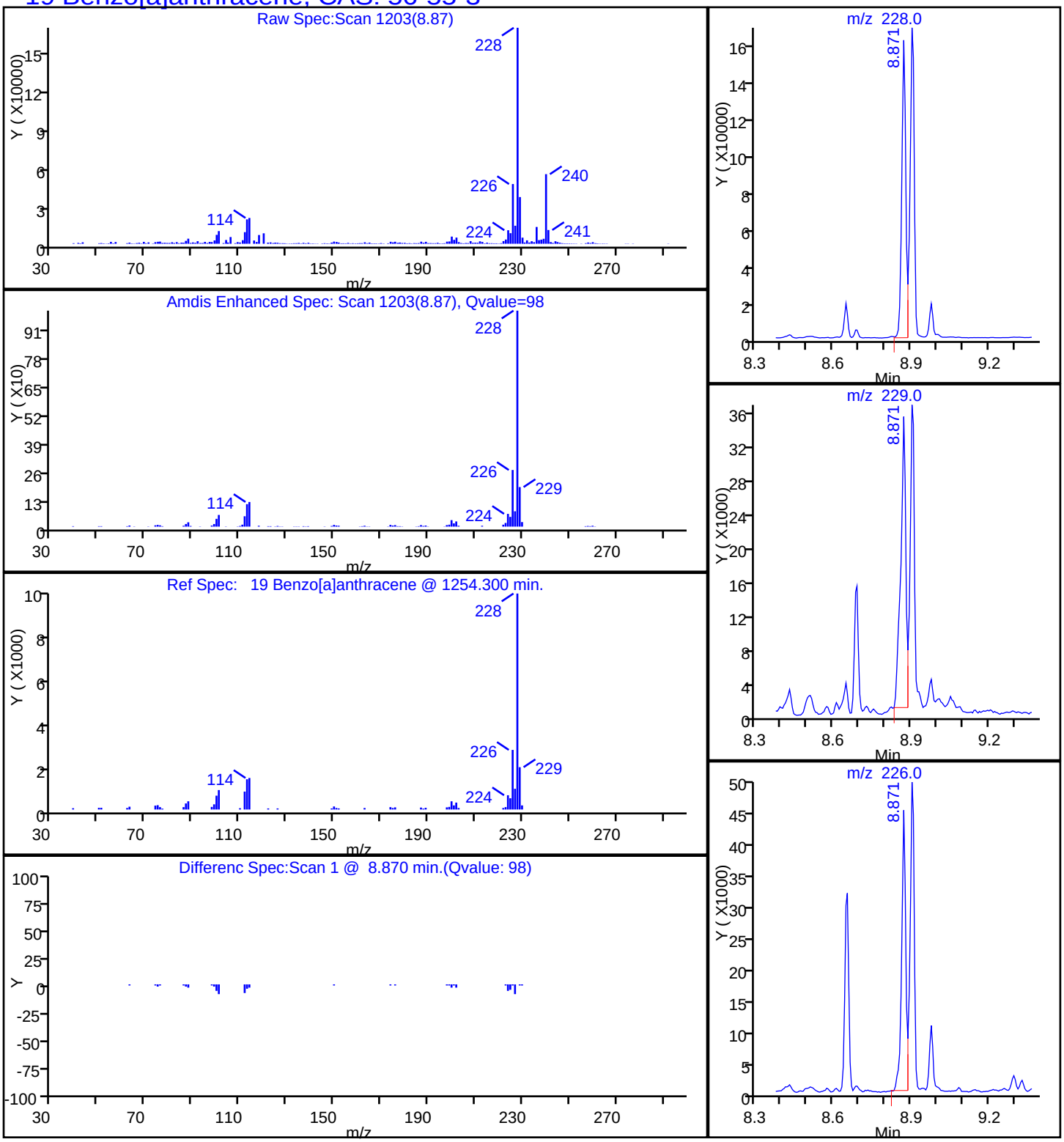


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

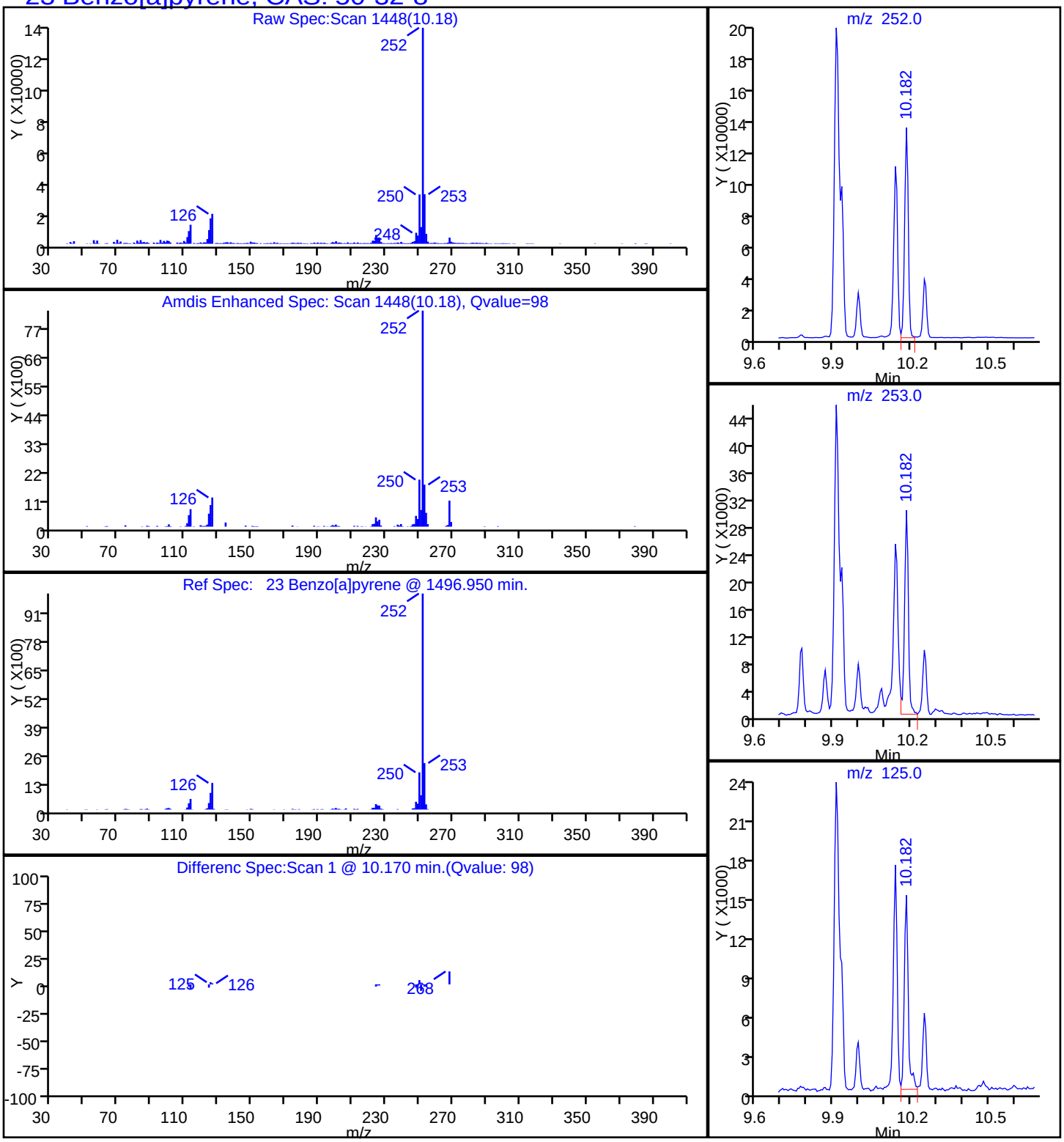


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

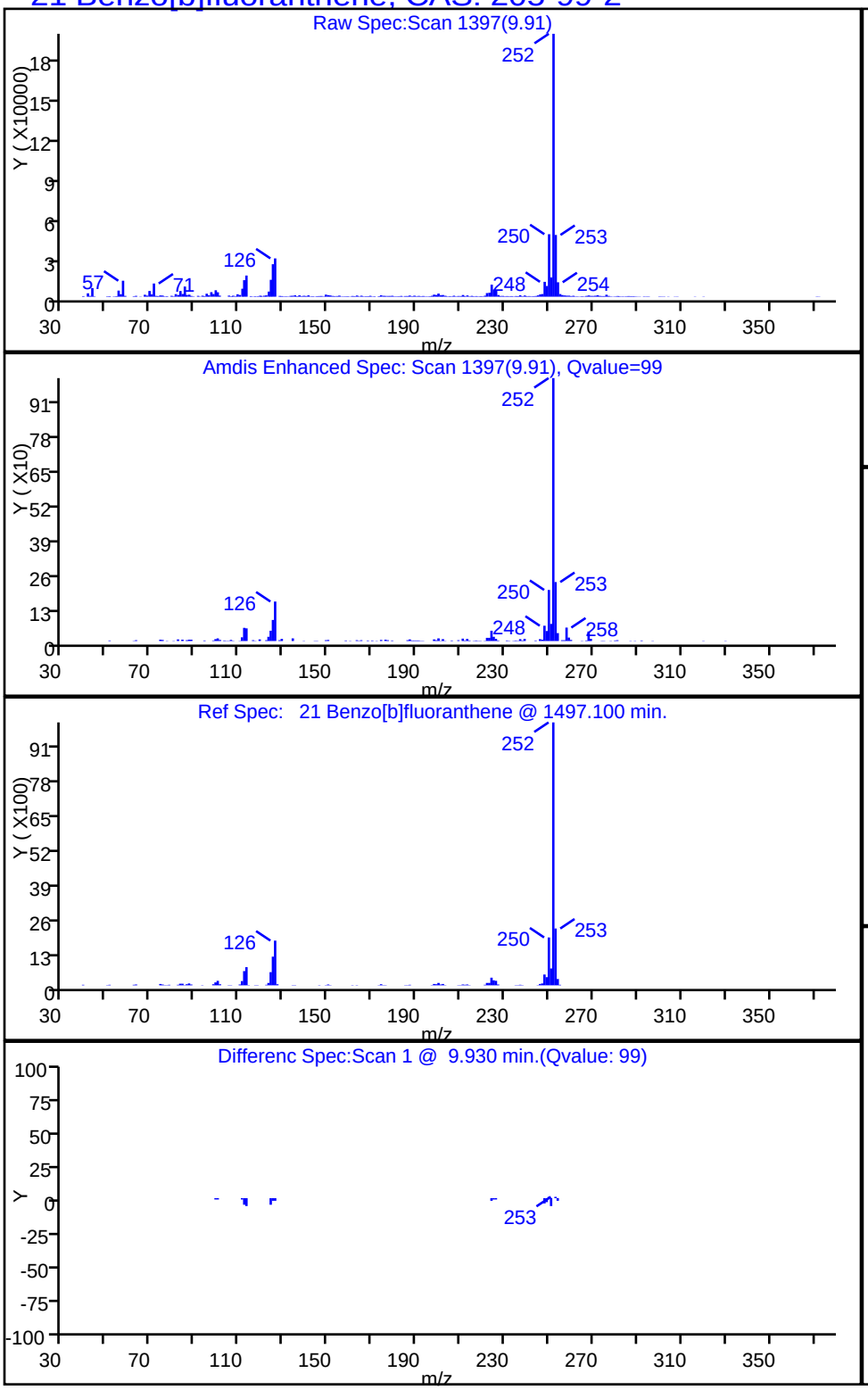


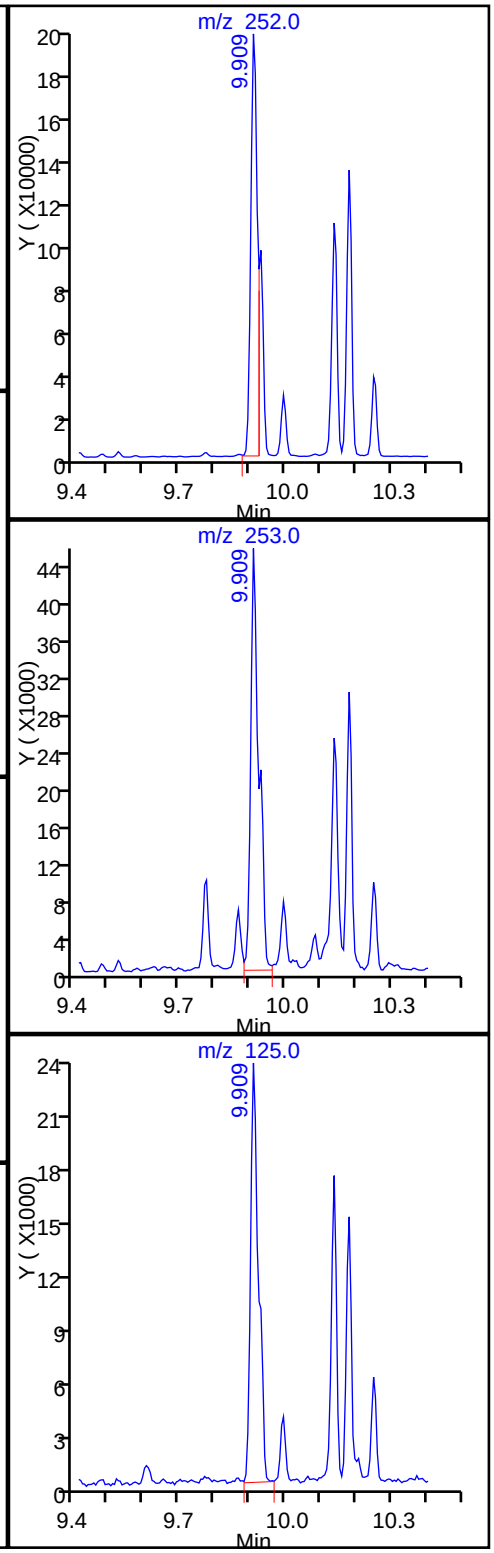
Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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



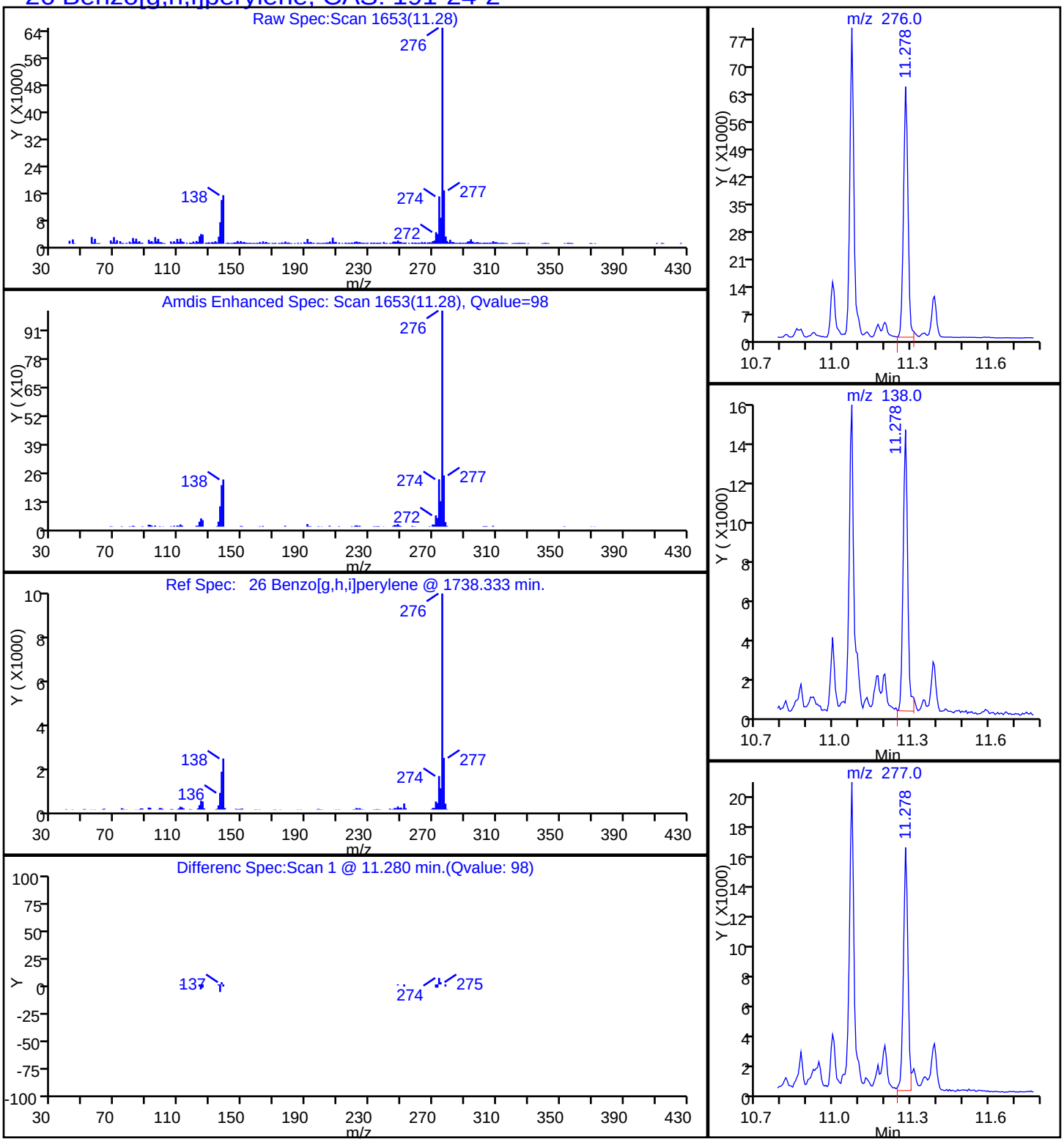


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

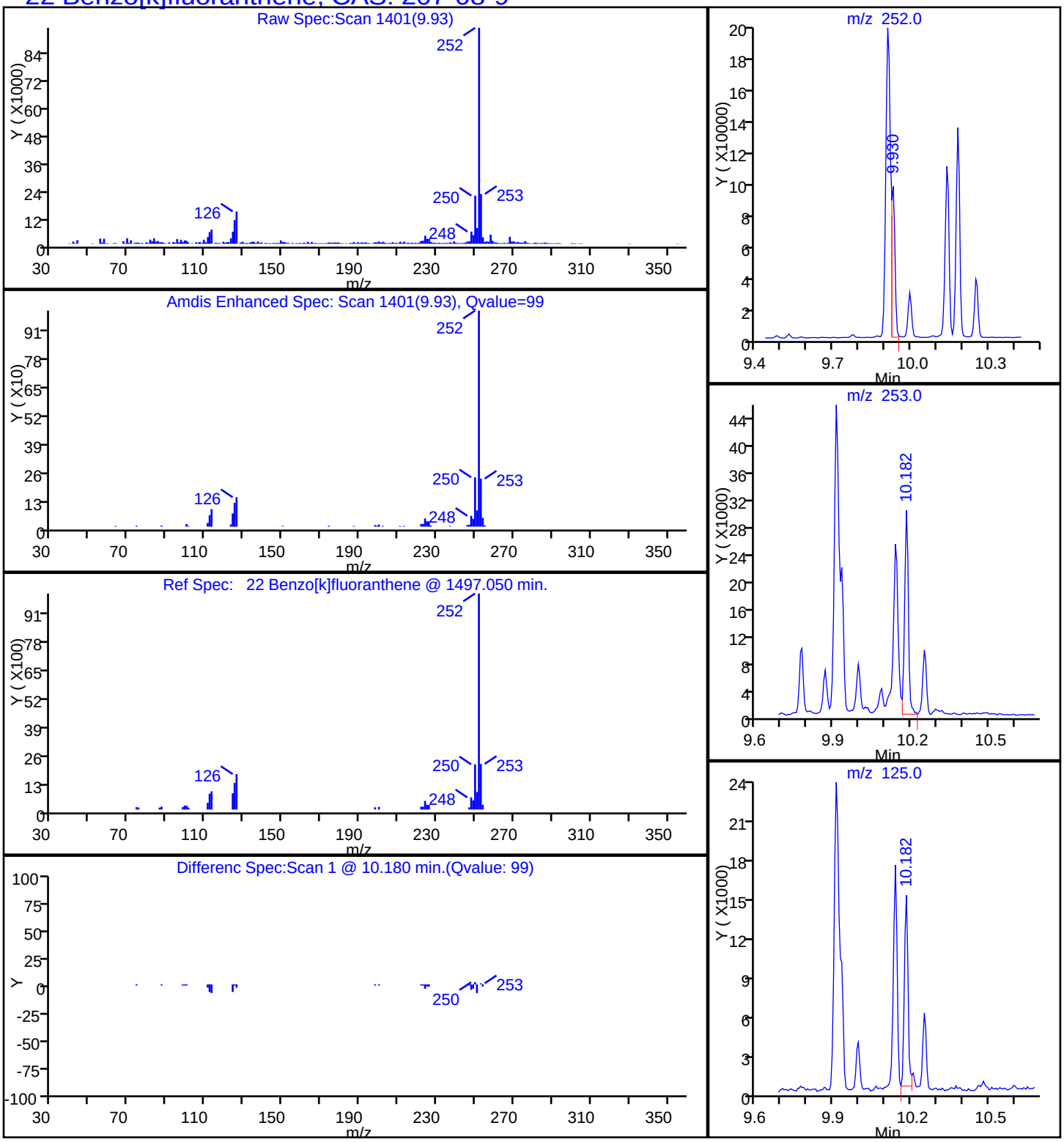


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

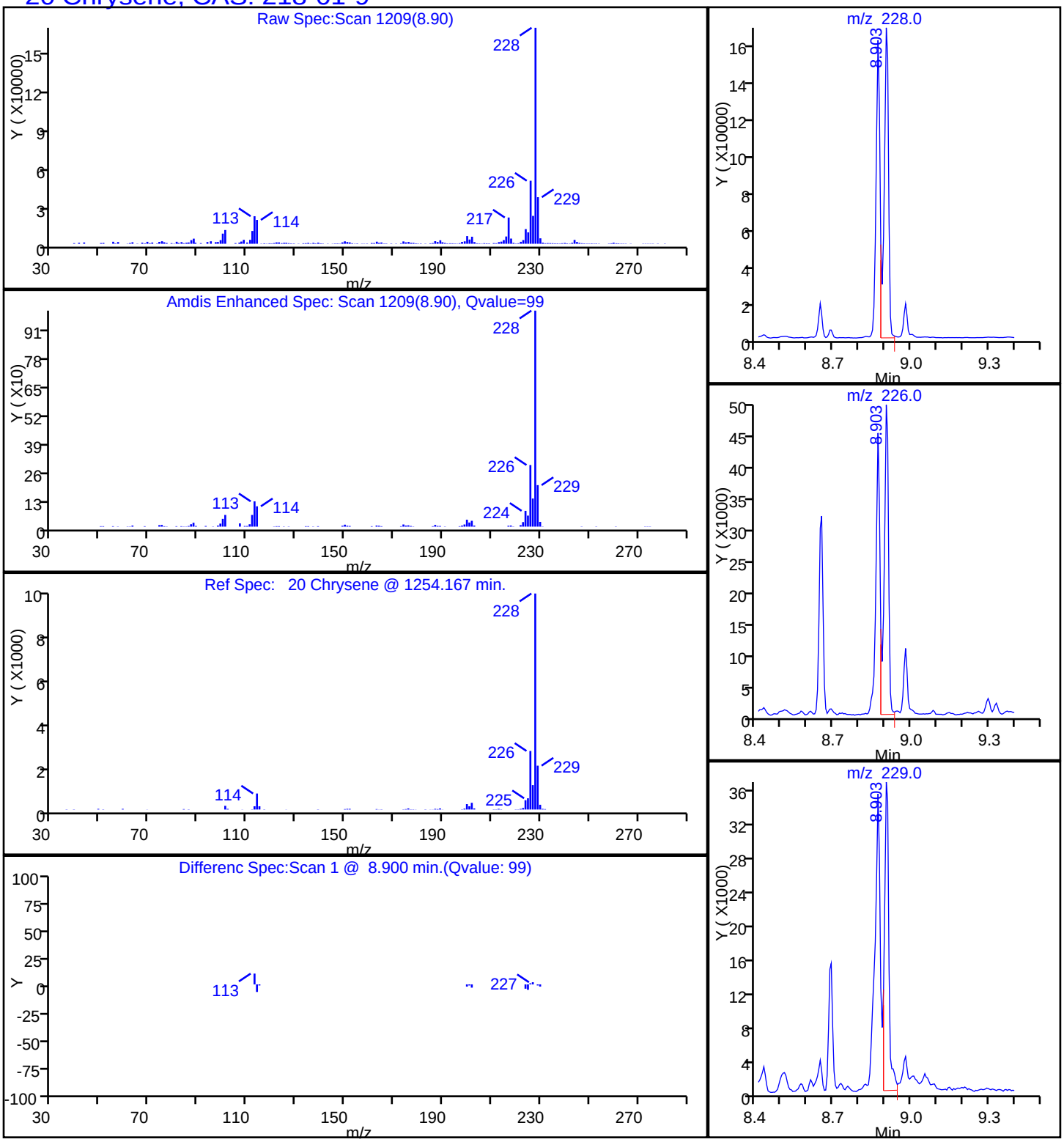


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

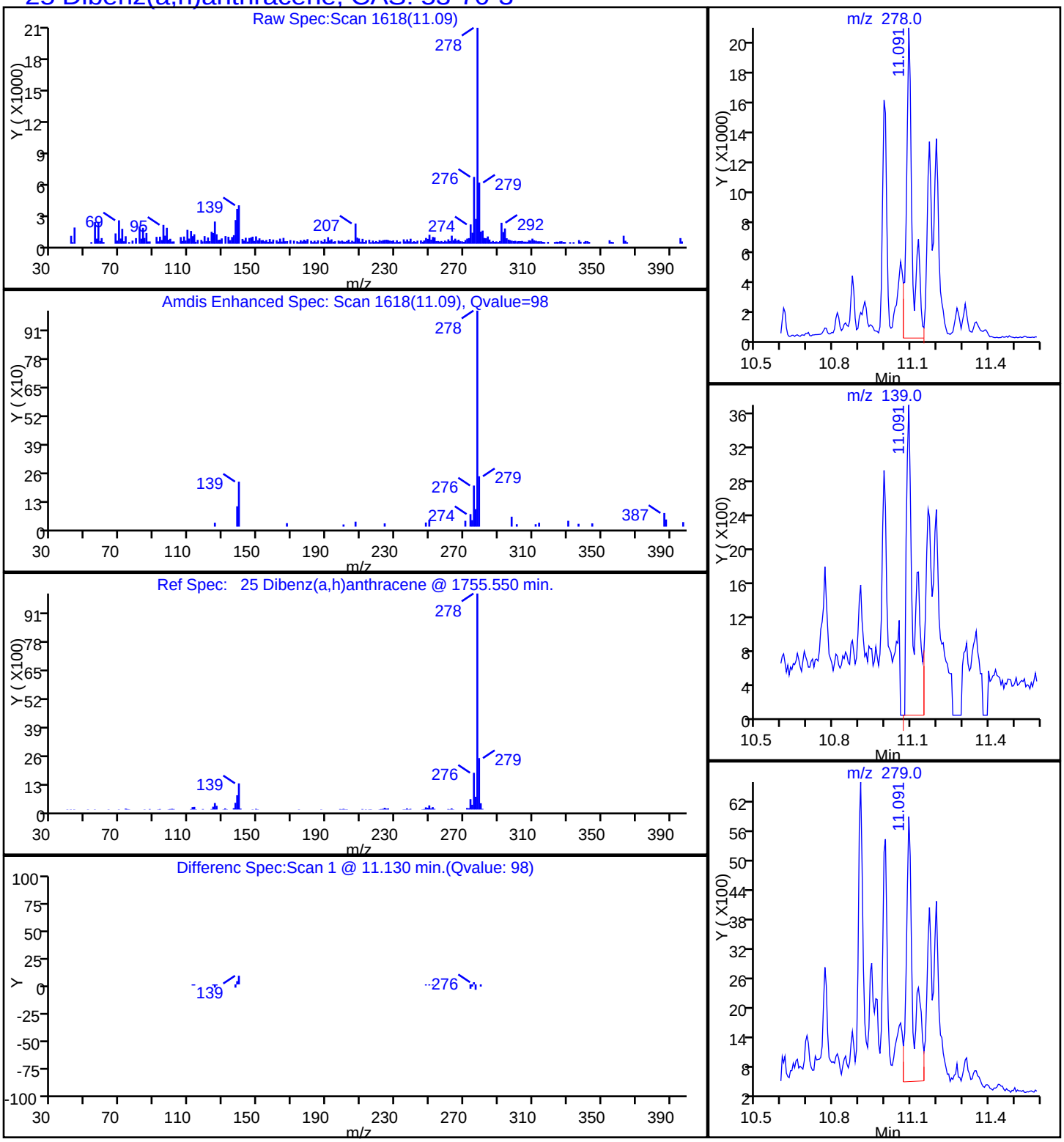


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

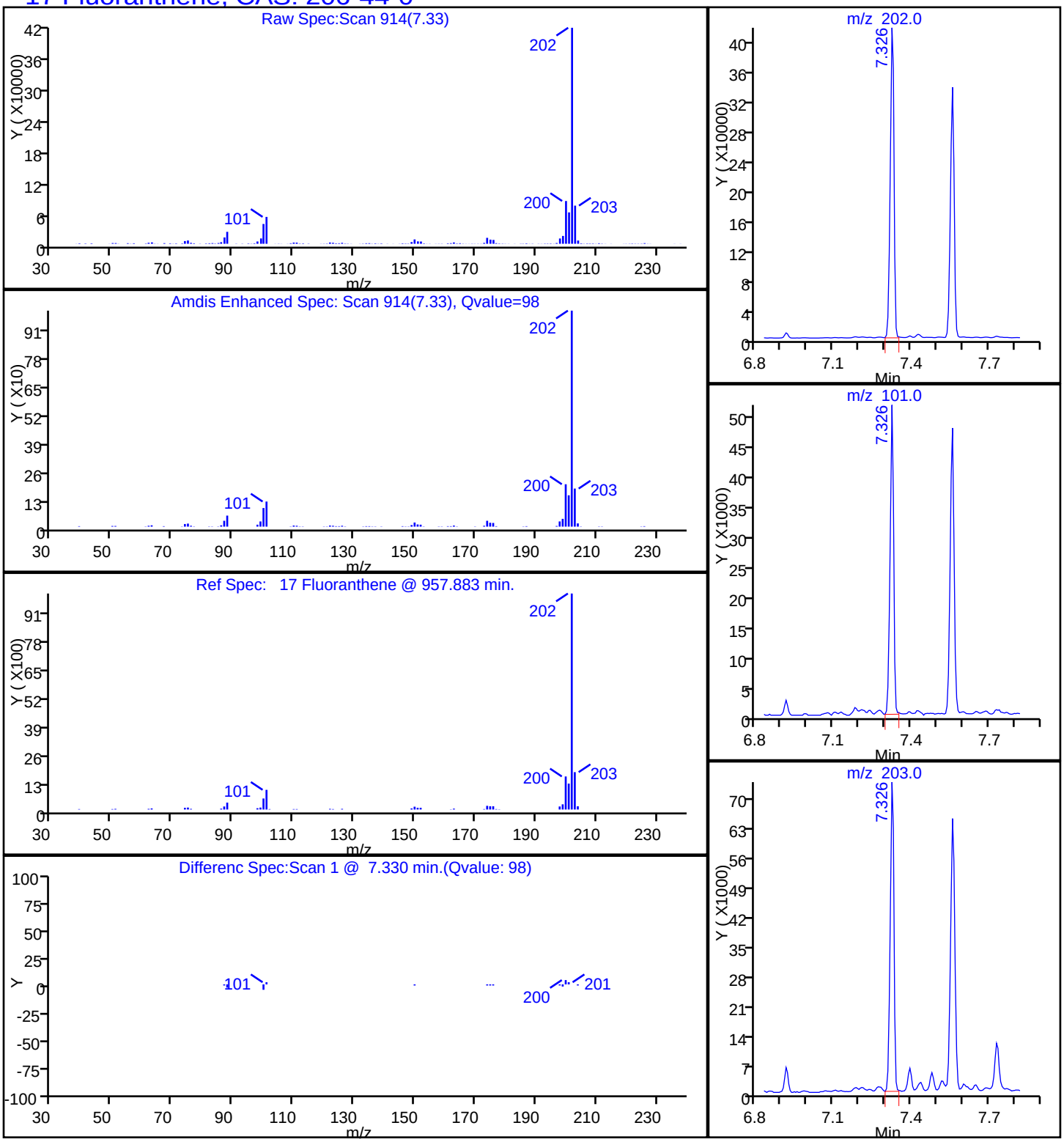


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

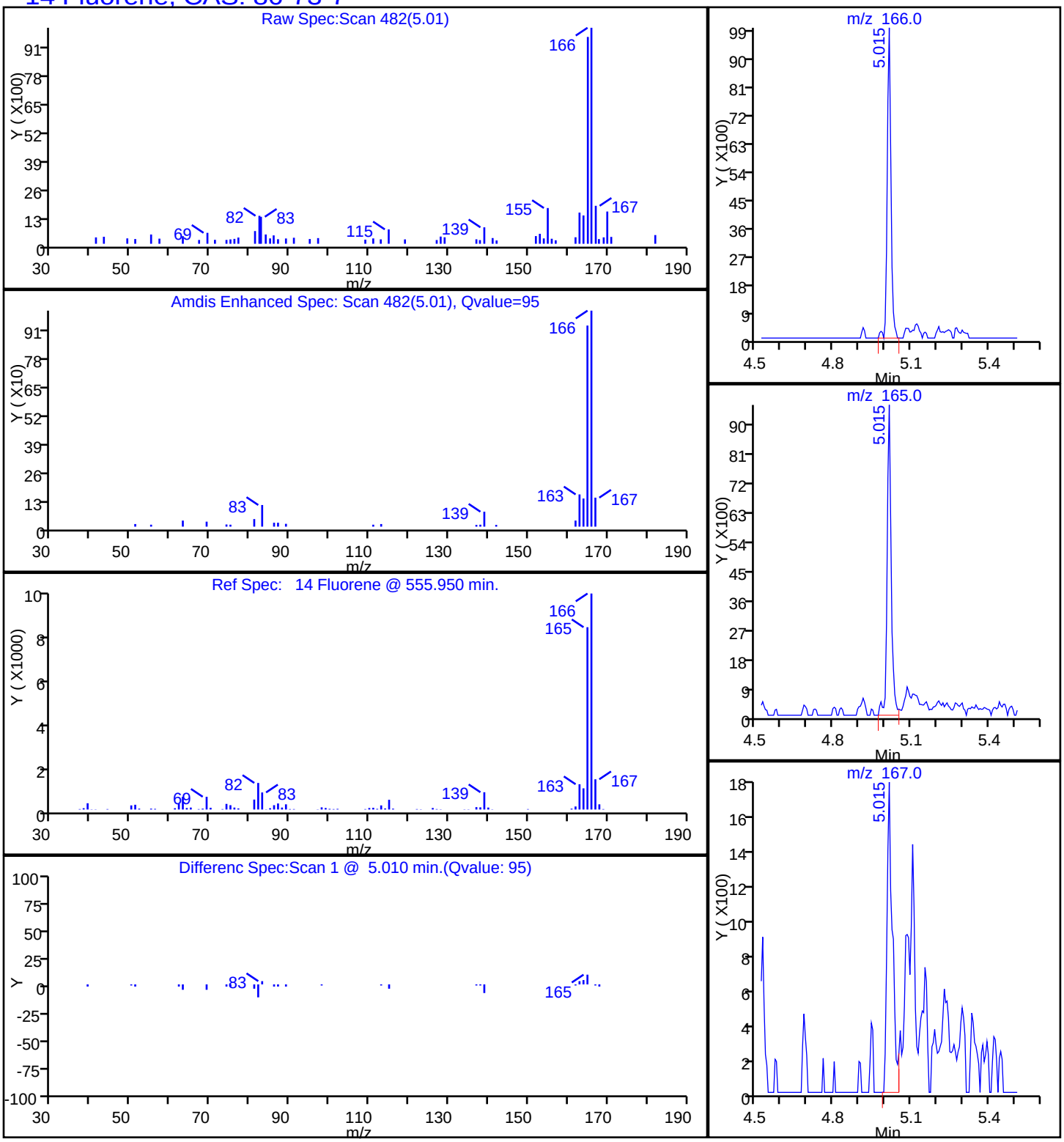


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

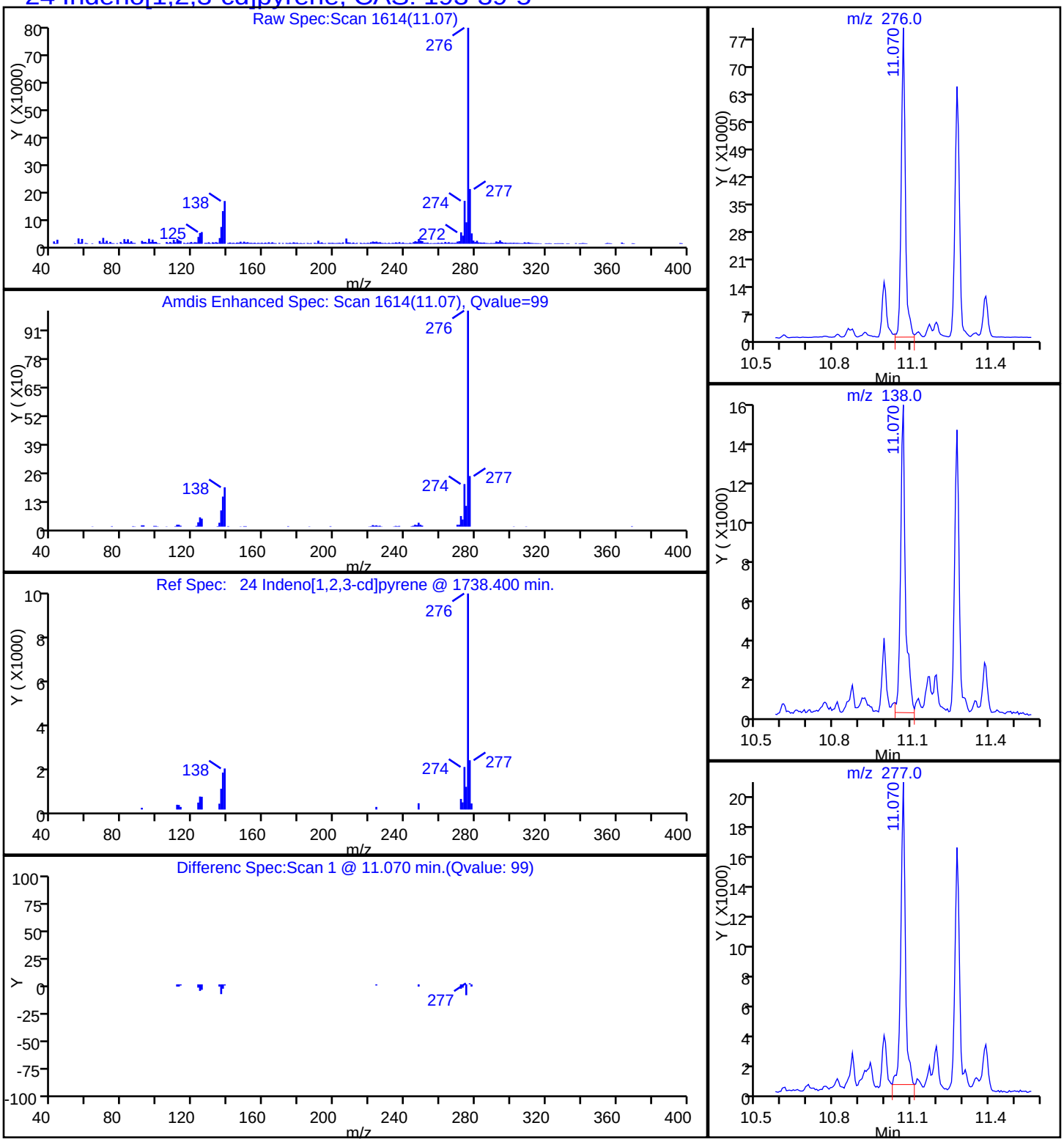


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

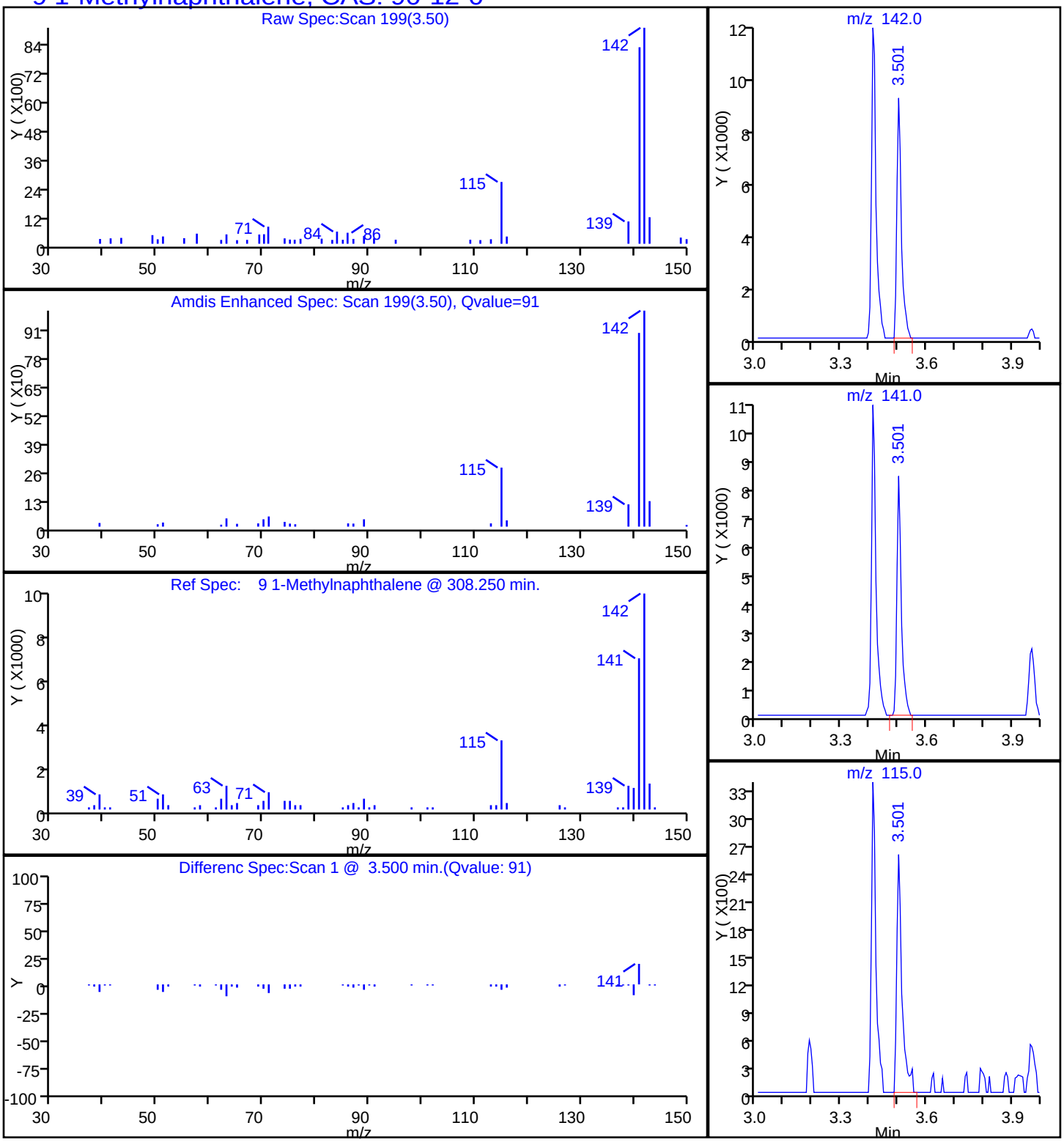


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

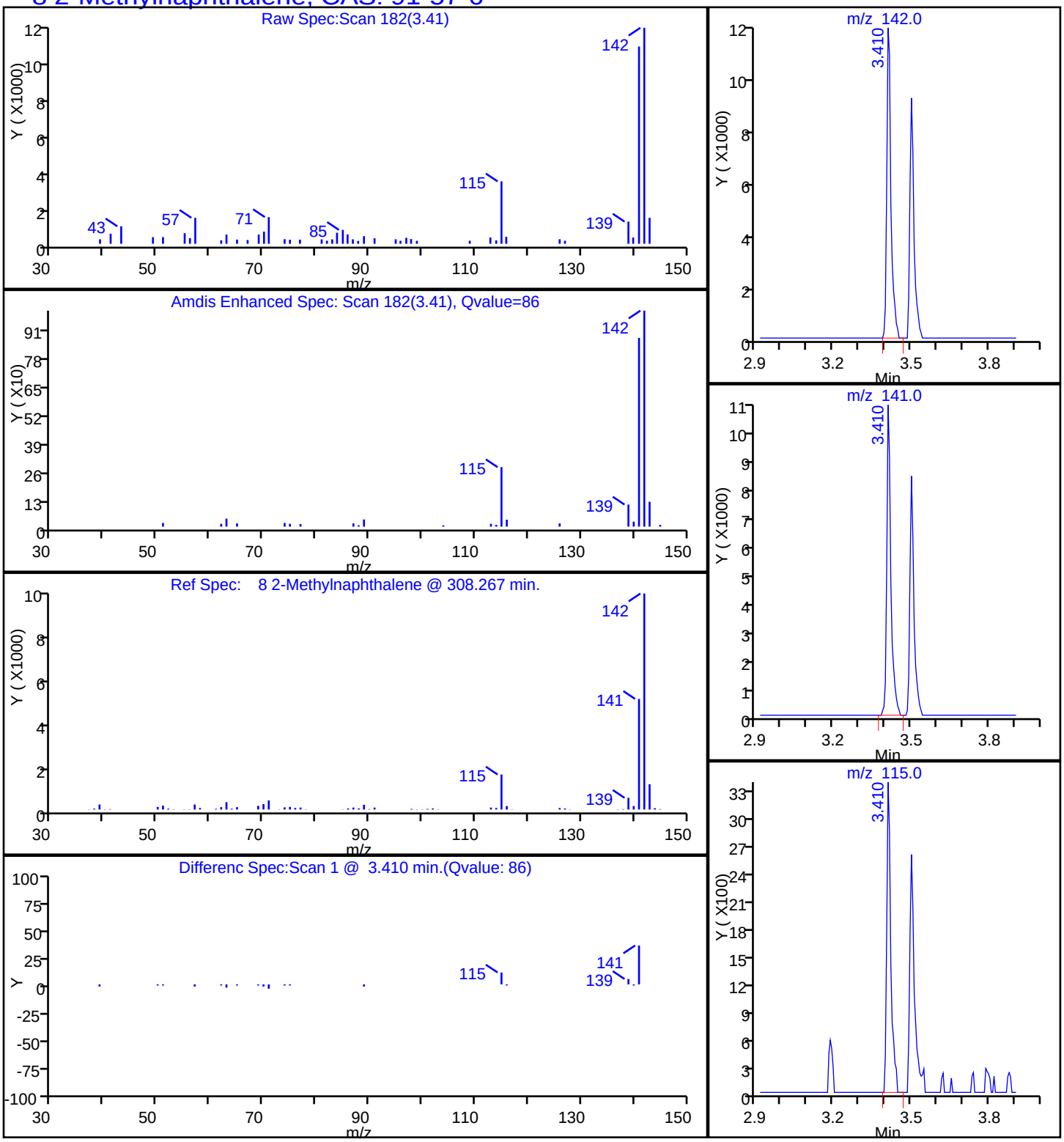


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

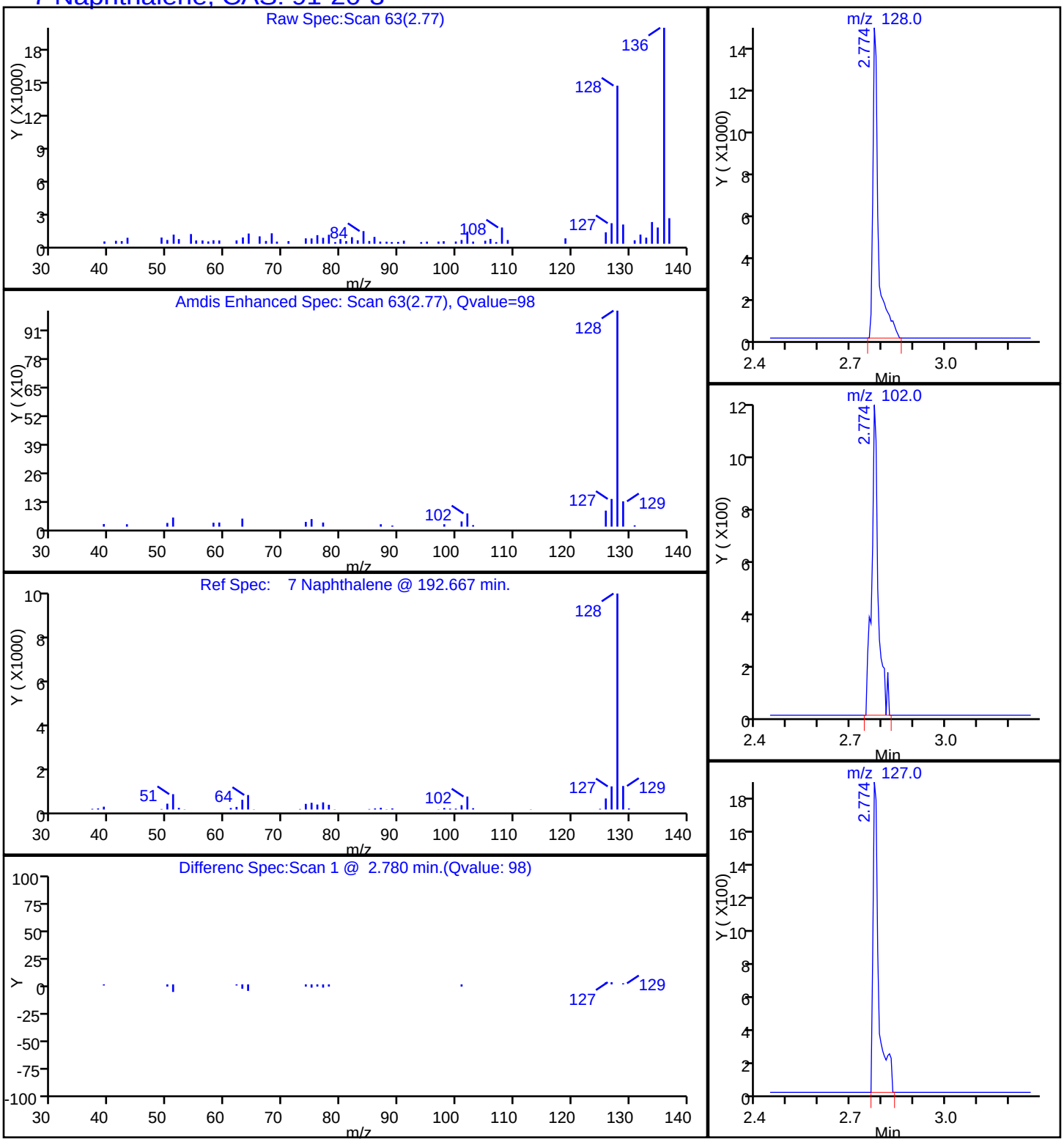


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

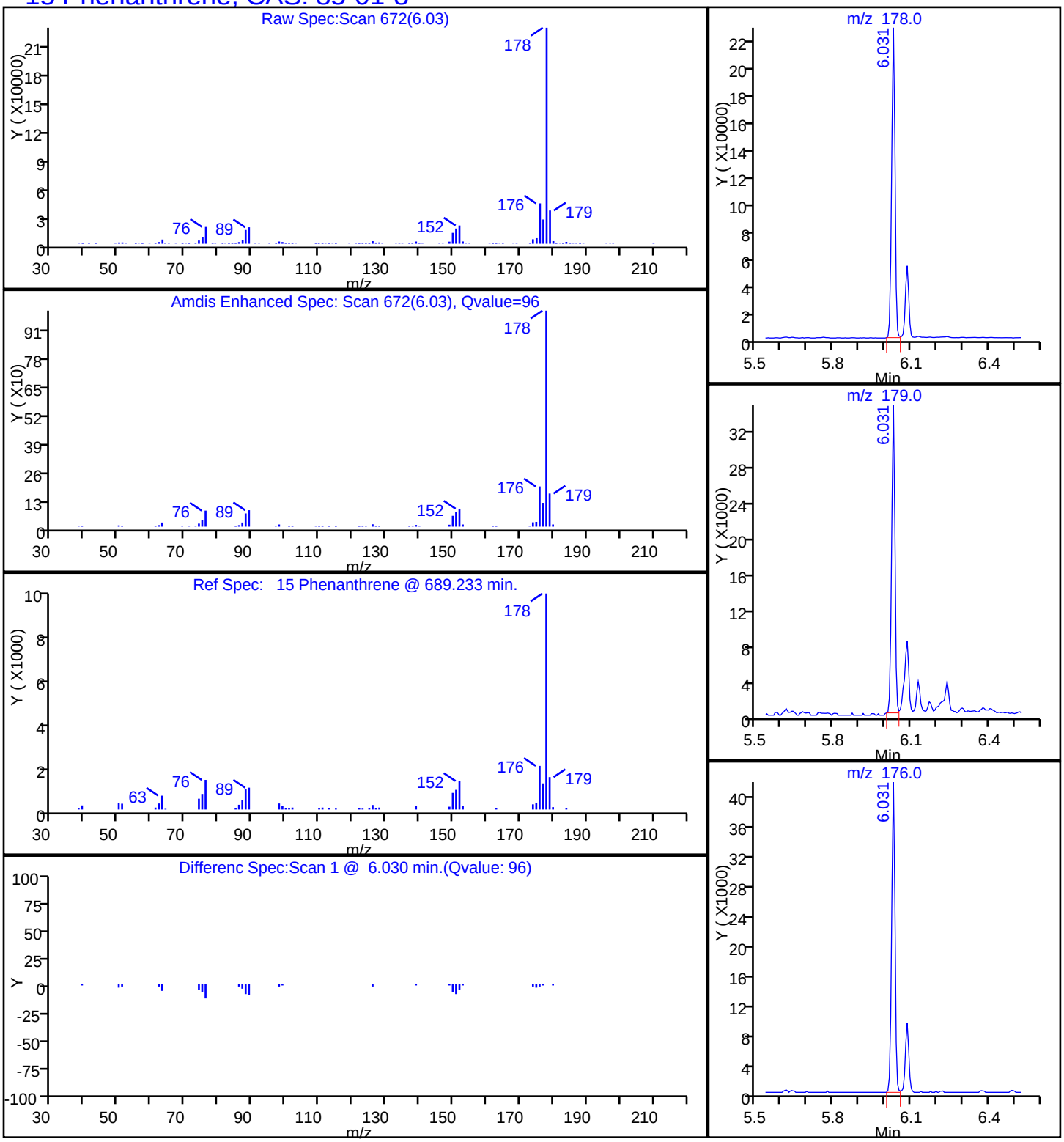


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

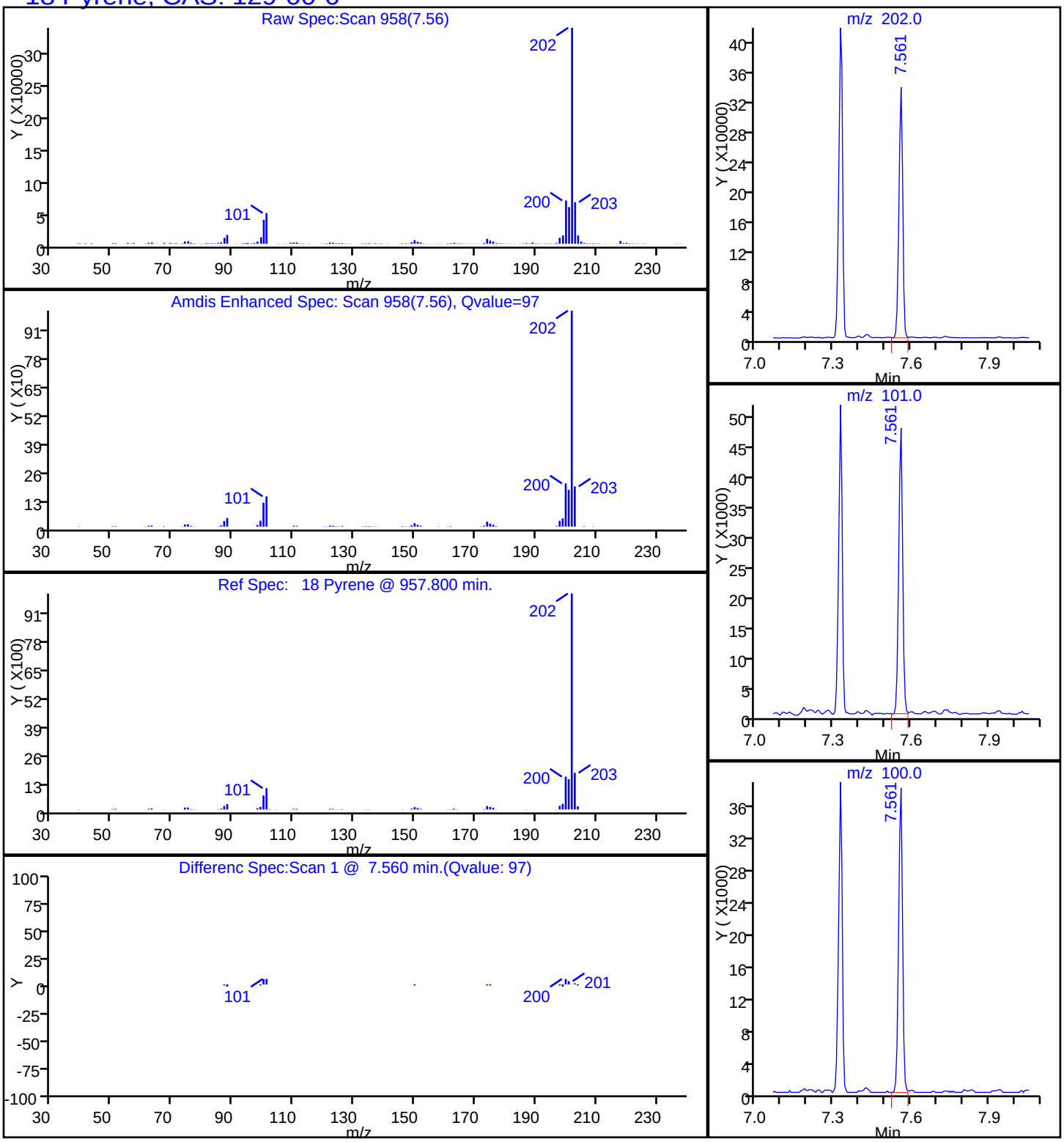


Report Date: 20-Oct-2014 09:22:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

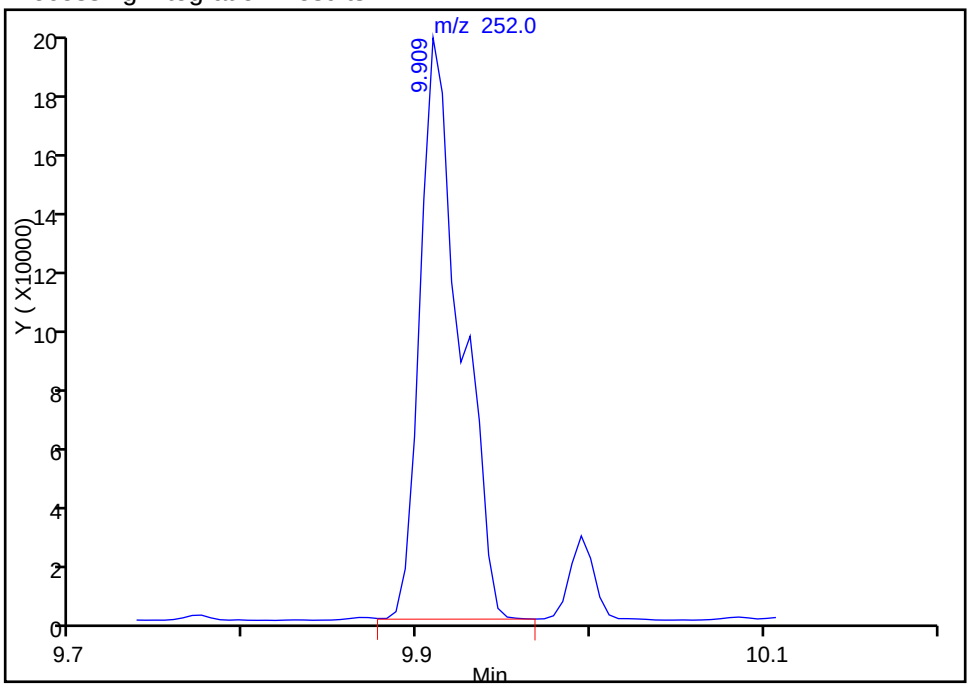
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

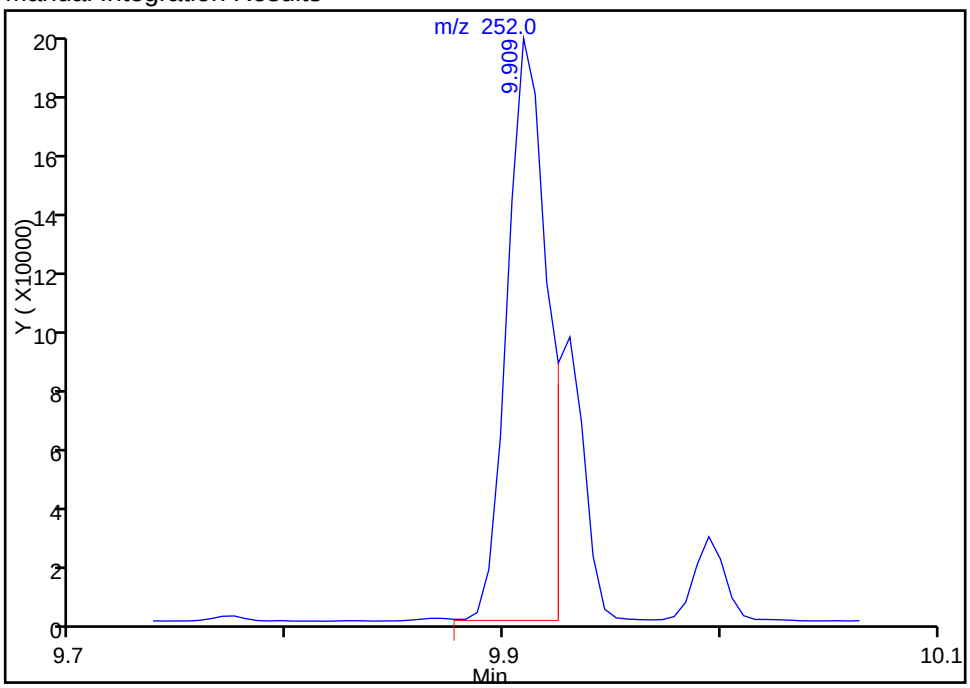
Processing Integration Results

RT: 9.91
Response: 310155
Amount: 5.017445



Manual Integration Results

RT: 9.91
Response: 251293
Amount: 4.065221



Reviewer: webbk, 17-Oct-2014 15:23:01
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

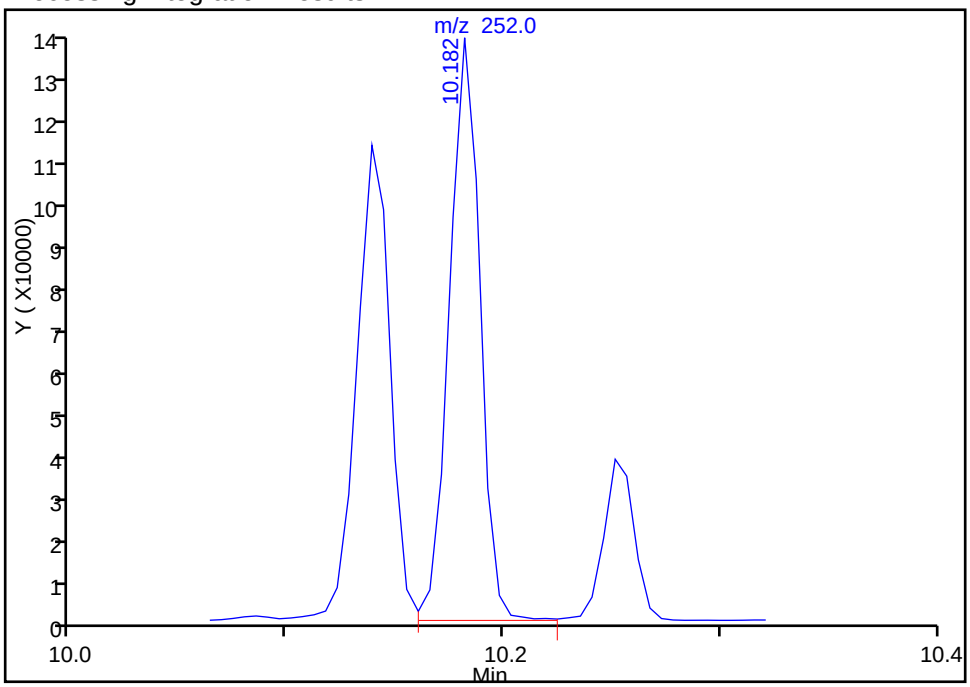
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1715.D				
Injection Date:	17-Oct-2014 14:48:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-43-A	Lab Sample ID:	680-106200-43		
Client ID:	CV0613B-CS6				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	15
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

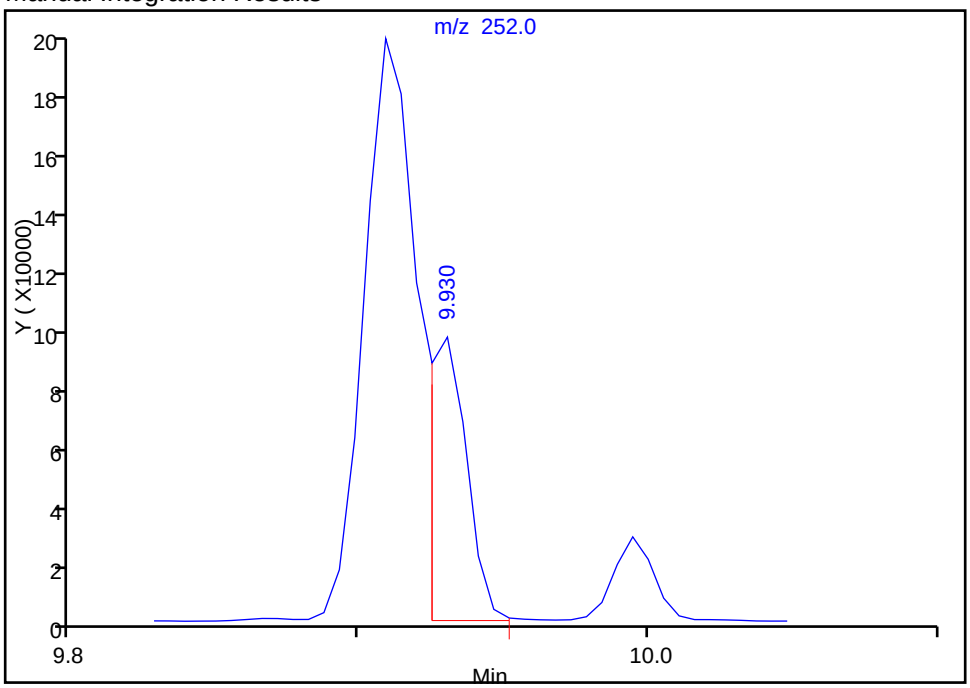
Processing Integration Results

RT: 10.18
Response: 128168
Amount: 2.151867



Manual Integration Results

RT: 9.93
Response: 86757
Amount: 1.452251



Reviewer: webbk, 17-Oct-2014 15:23:01
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0509T-CS24 | Lab Sample ID: 680-106200-44

Matrix: Solid | Lab File ID: 1YJ1716.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 09:50

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

Sample wt/vol: 30.05(g) | Date Analyzed: 10/17/2014 15:10

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

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

% Moisture: 14.7 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.8	U	7.8	3.9
208-96-8	Acenaphthylene	7.8	U	7.8	3.9
120-12-7	Anthracene	7.8	U	7.8	3.9
56-55-3	Benzo[a]anthracene	7.8	U	7.8	3.9
50-32-8	Benzo[a]pyrene	7.8	U	7.8	1.4
205-99-2	Benzo[b]fluoranthene	7.8	U	7.8	3.9
191-24-2	Benzo[g,h,i]perylene	7.8	U	7.8	3.9
207-08-9	Benzo[k]fluoranthene	7.8	U	7.8	2.3
218-01-9	Chrysene	7.8	U	7.8	3.9
53-70-3	Dibenz(a,h)anthracene	7.8	U	7.8	3.9
206-44-0	Fluoranthene	7.8	U	7.8	3.9
86-73-7	Fluorene	7.8	U	7.8	3.9
193-39-5	Indeno[1,2,3-cd]pyrene	7.8	U	7.8	3.9
90-12-0	1-Methylnaphthalene	7.8	U	7.8	3.6
91-57-6	2-Methylnaphthalene	7.8	U	7.8	3.9
91-20-3	Naphthalene	7.8	U	7.8	3.9
85-01-8	Phenanthrene	7.8	U	7.8	2.8
129-00-0	Pyrene	7.8	U	7.8	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	101		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1716.D				
Lims ID:	680-106200-A-44-A	Lab Sample ID:	680-106200-44		
Client ID:	CV0509T-CS24				
Sample Type:	Client				
Inject. Date:	17-Oct-2014 15:10:30	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	106200-A-44-A				
Misc. Info.:	680-0013845-016				
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 15:28:43

	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	127647	2.00	
*	2 Acenaphthene-d10	164	4.437	4.437	0.000	92	71907	2.00	
*	3 Phenanthrene-d10	188	6.005	6.005	0.001	98	126646	2.00	
*	4 Chrysene-d12	240	8.877	8.877	0.000	99	104617	2.00	
*	5 Perylene-d12	264	10.230	10.225	0.005	99	77770	2.00	
$	6 o-Terphenyl	230	6.491	6.491	0.000	91	67806	2.02	

Reagents:

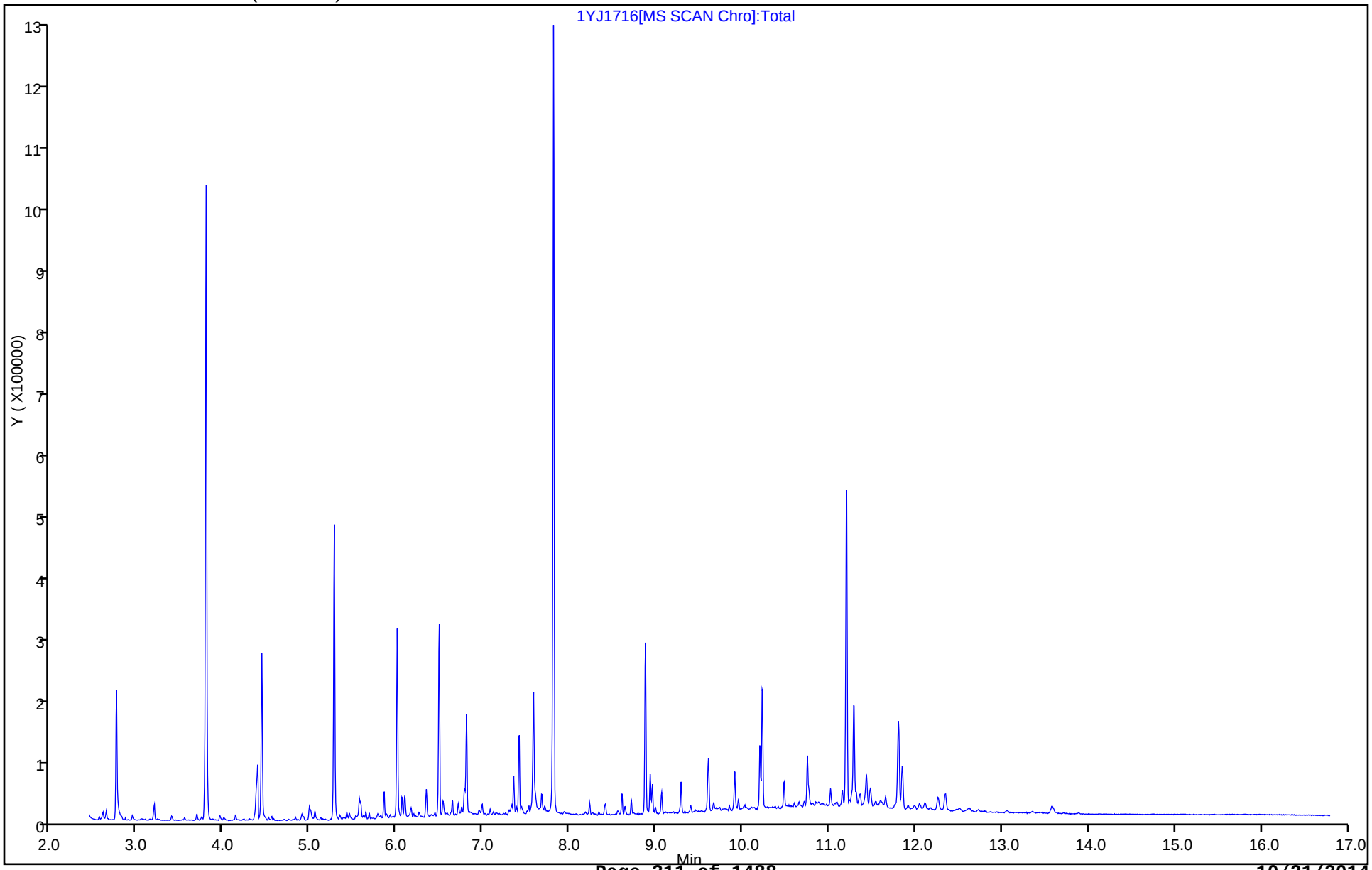
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:06 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1716.D				
Injection Date:	17-Oct-2014 15:10:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-44-A	Lab Sample ID:	680-106200-44	Worklist Smp#:	16
Client ID:	CV0509T-CS24				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0613B-CSD6 | Lab Sample ID: 680-106200-45

Matrix: Solid | Lab File ID: 1YJ1717.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 14:50

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

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 15:32

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

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

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	65	J	73	36
208-96-8	Acenaphthylene	73	U	73	36
120-12-7	Anthracene	180		73	36
56-55-3	Benzo[a]anthracene	740		73	36
50-32-8	Benzo[a]pyrene	780		73	13
205-99-2	Benzo[b]fluoranthene	1300		73	36
191-24-2	Benzo[g,h,i]perylene	560		73	36
207-08-9	Benzo[k]fluoranthene	450		73	22
218-01-9	Chrysene	870		73	36
53-70-3	Dibenz(a,h)anthracene	240		73	36
206-44-0	Fluoranthene	1400		73	36
86-73-7	Fluorene	53	J	73	36
193-39-5	Indeno[1,2,3-cd]pyrene	400		73	36
90-12-0	1-Methylnaphthalene	53	J	73	34
91-57-6	2-Methylnaphthalene	66	J	73	36
91-20-3	Naphthalene	59	J	73	36
85-01-8	Phenanthrene	720		73	26
129-00-0	Pyrene	1200		73	36

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\1YJ1717.D
Lims ID: 680-106200-A-45-A Lab Sample ID: 680-106200-45
Client ID: CV0613B-CSD6
Sample Type: Client
Inject. Date: 17-Oct-2014 15:32:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-45-A 1:10
Misc. Info.: 680-0013845-017
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 15:52:43

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	139031	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	92	78781	2.00	
* 3 Phenanthrene-d10	188	6.004	6.005	0.000	98	139639	2.00	
* 4 Chrysene-d12	240	8.882	8.877	0.005	99	126469	2.00	
* 5 Perylene-d12	264	10.230	10.225	0.005	99	92642	2.00	
7 Naphthalene	128	2.774	2.774	0.000	99	12310	0.1623	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	86	9019	0.1794	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	92	6801	0.1458	
11 Acenaphthylene	152	4.287	4.288	-0.001	97	4955	0.0649	
12 Acenaphthene	153	4.469	4.469	0.000	95	8668	0.1767	
14 Fluorene	166	5.015	5.015	0.000	96	7847	0.1449	
15 Phenanthrene	178	6.031	6.031	0.000	96	163953	1.96	
16 Anthracene	178	6.085	6.085	0.000	99	40390	0.4860	
17 Fluoranthene	202	7.325	7.320	0.005	98	334297	3.77	
18 Pyrene	202	7.561	7.556	0.005	97	265884	3.22	
19 Benzo[a]anthracene	228	8.871	8.866	0.005	98	150630	2.04	
20 Chrysene	228	8.903	8.903	0.000	99	165924	2.38	
21 Benzo[b]fluoranthene	252	9.909	9.904	0.005	98	209990	3.45	
22 Benzo[k]fluoranthene	252	9.930	9.930	0.000	99	72280	1.23	M
23 Benzo[a]pyrene	252	10.182	10.176	0.006	98	106762	2.13	
24 Indeno[1,2,3-cd]pyrene	276	11.070	11.070	0.000	99	76252	1.10	
25 Dibenz(a,h)anthracene	278	11.091	11.091	0.000	97	29267	0.6678	
26 Benzo[g,h,i]perylene	276	11.278	11.273	0.005	98	70479	1.54	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

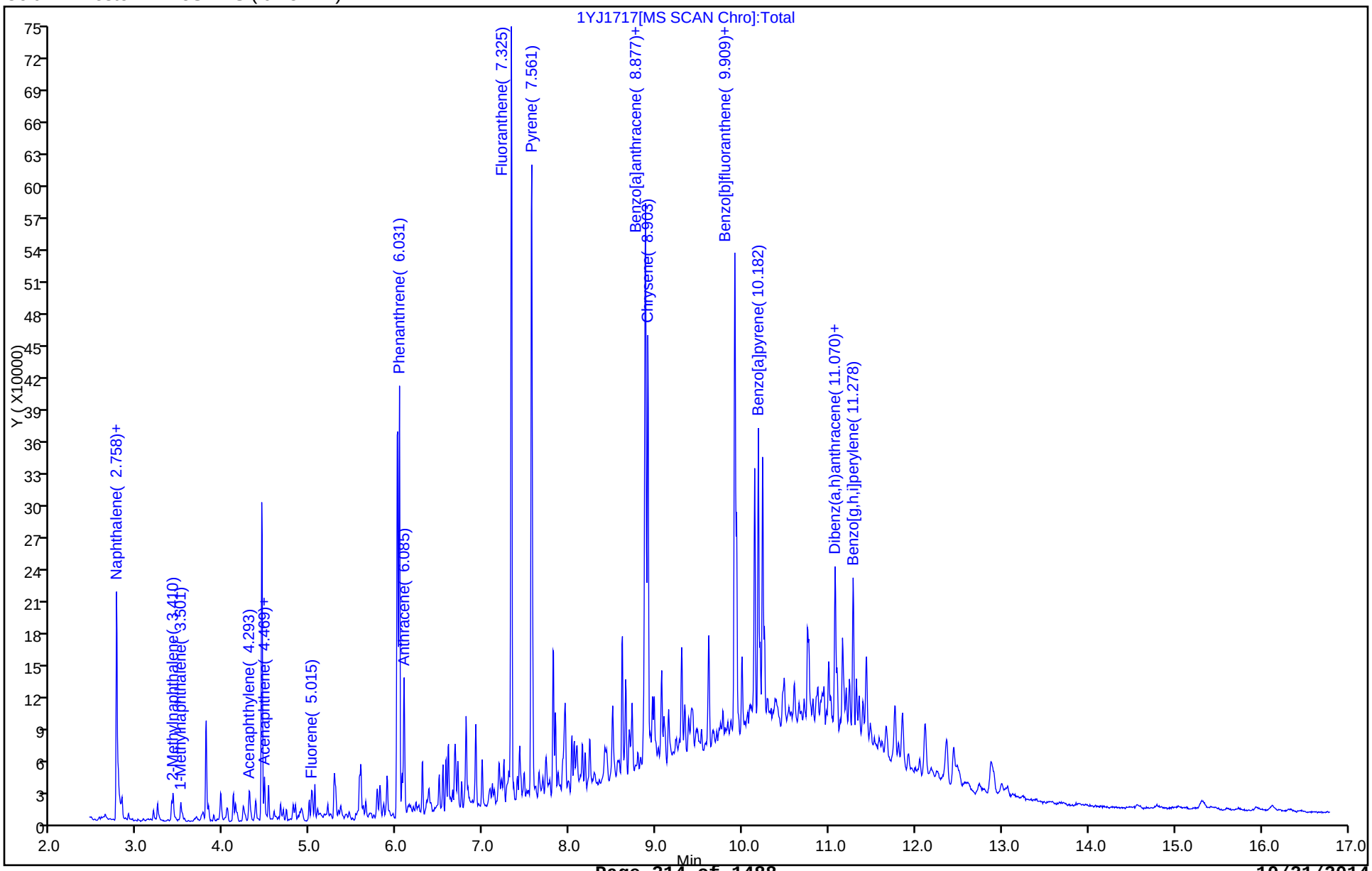
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45	Worklist Smp#:	17
Client ID:	CV0613B-CSD6				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	17
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

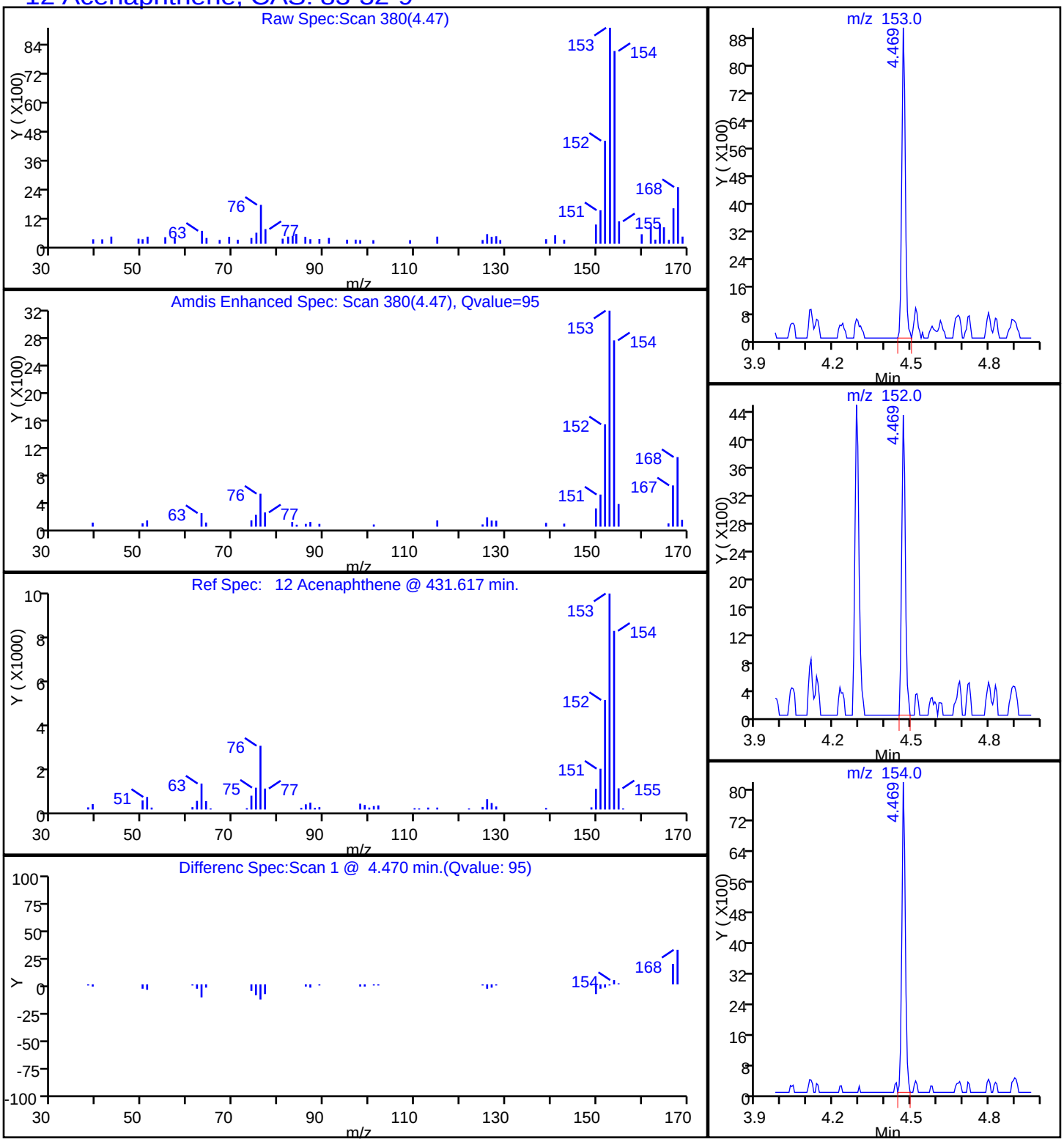


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

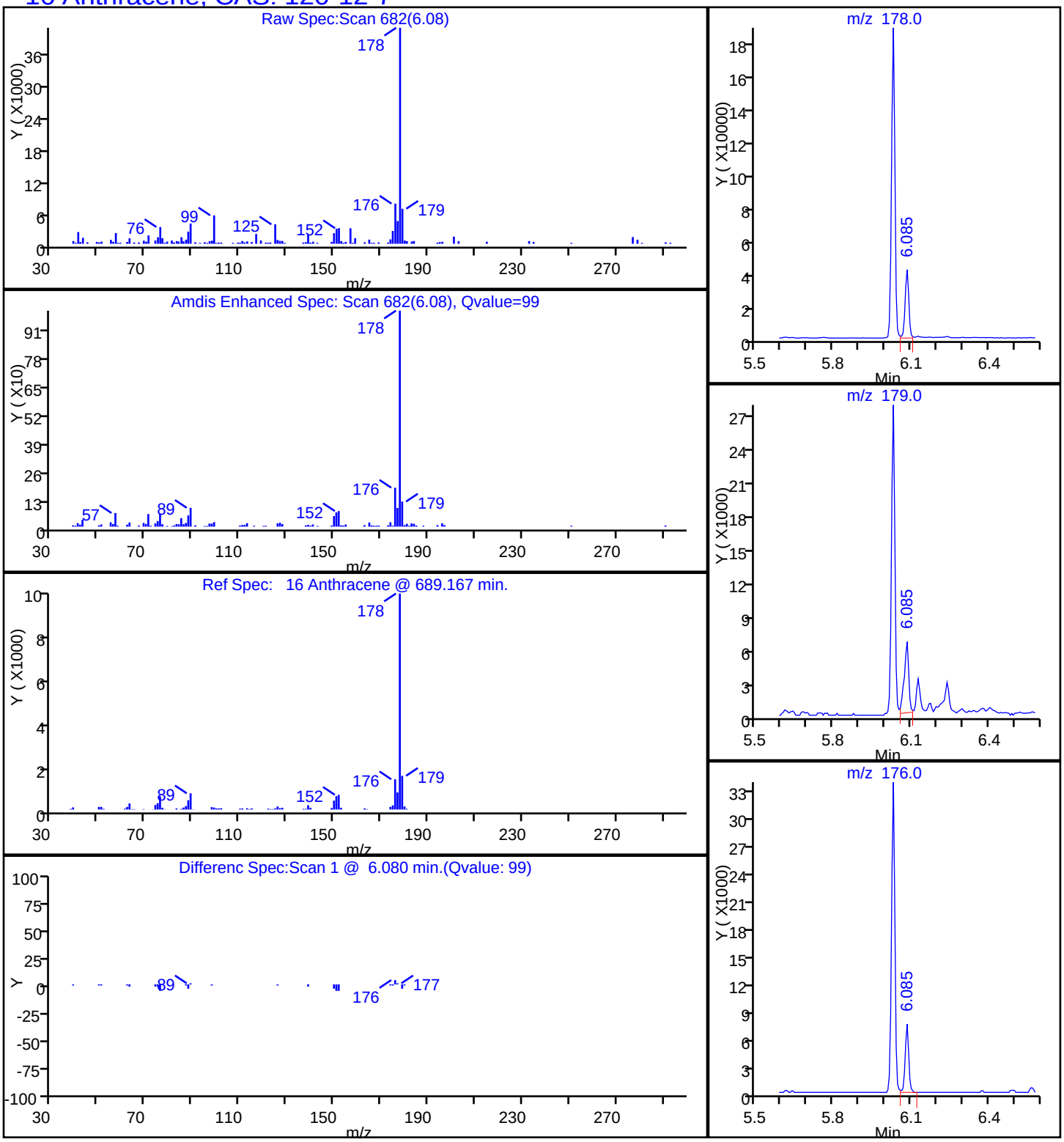


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

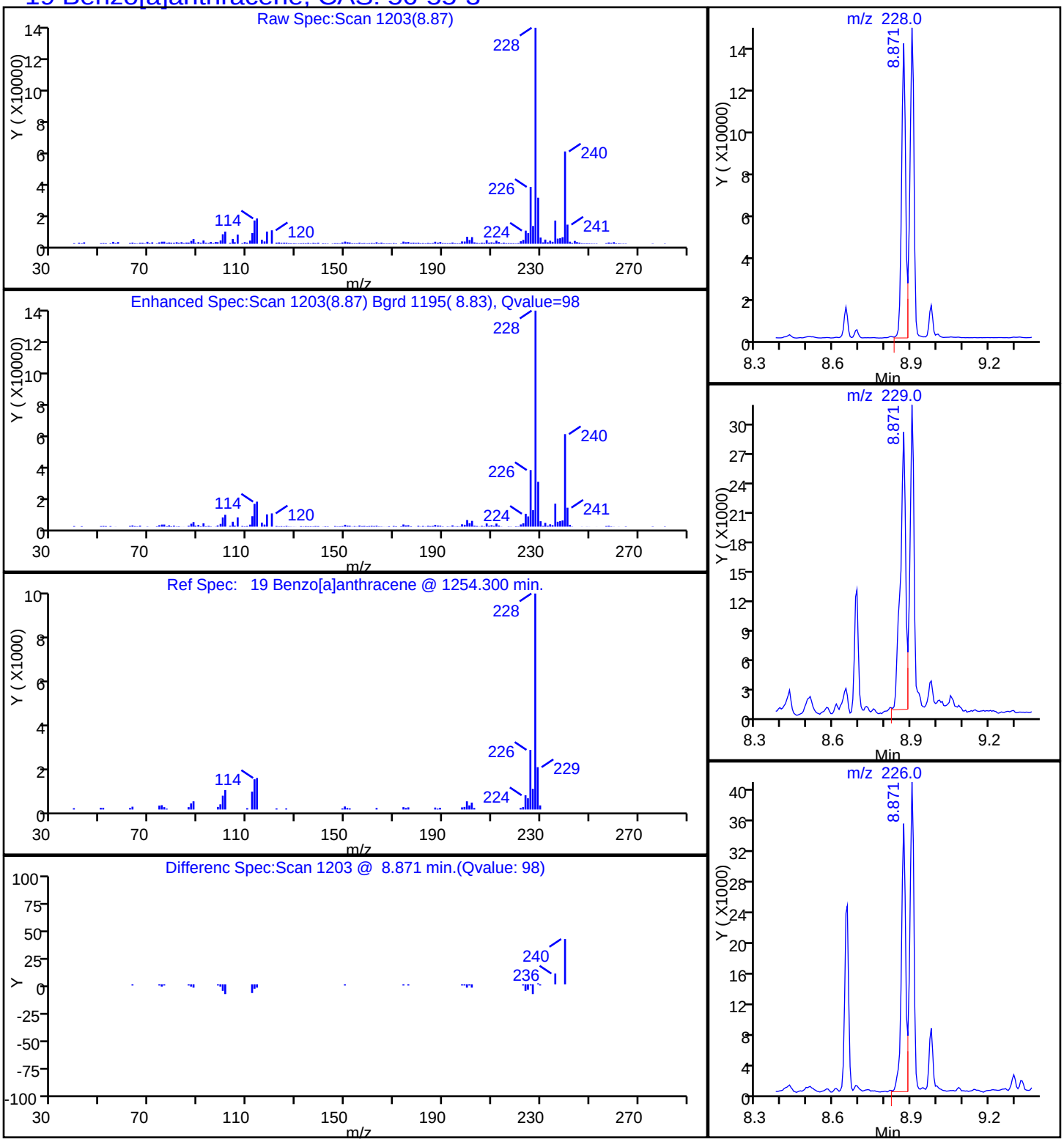


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

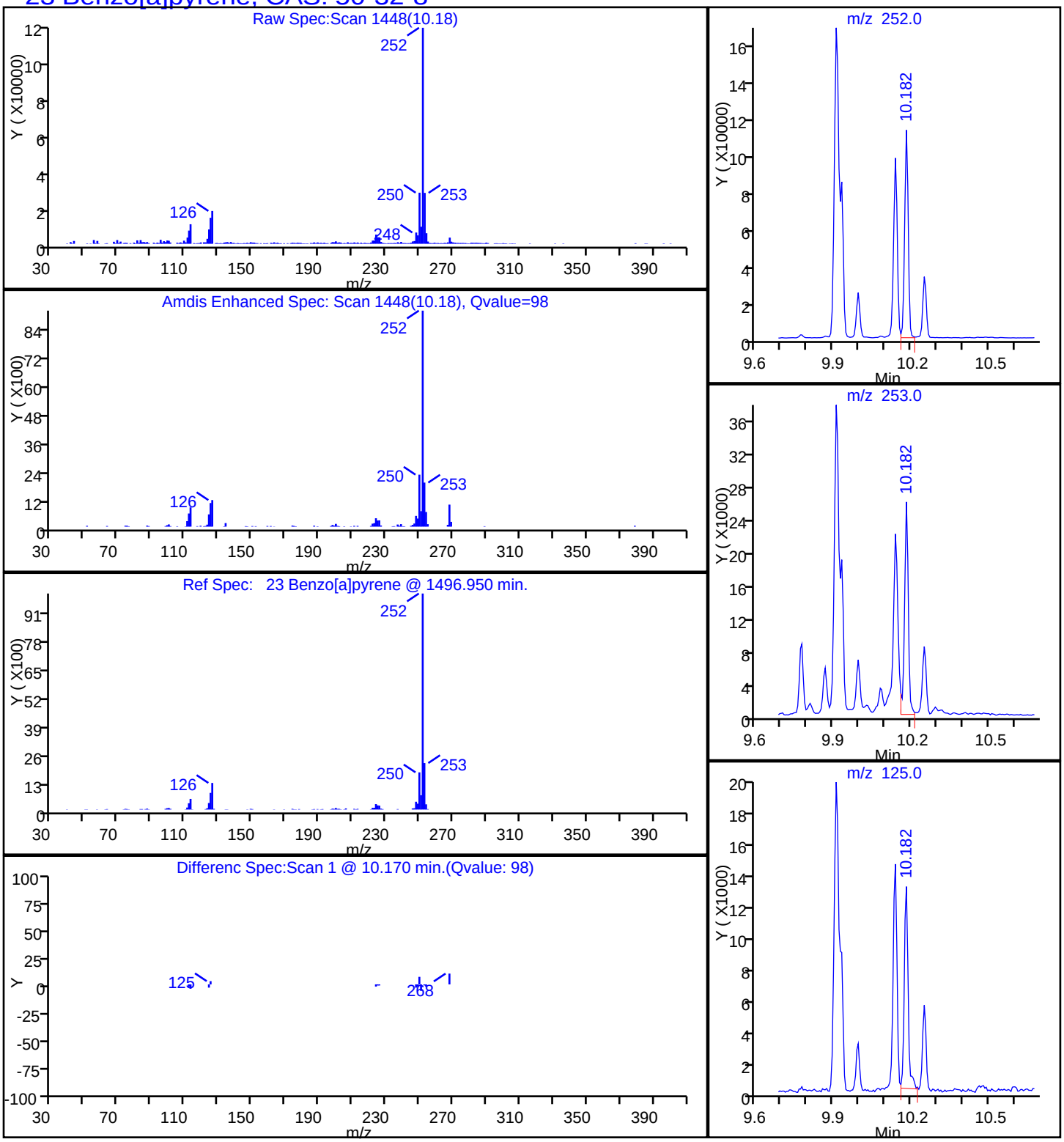


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

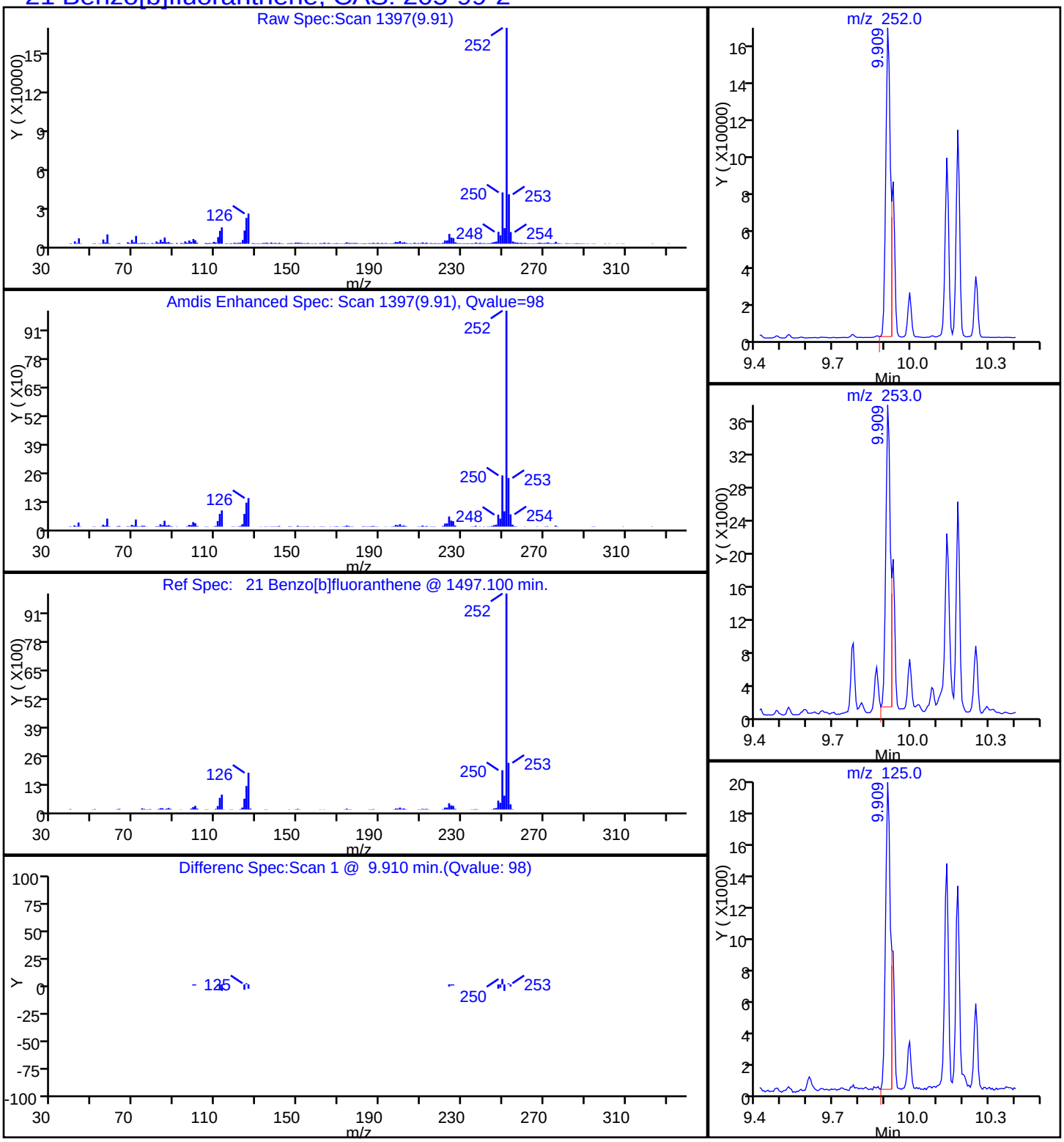


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

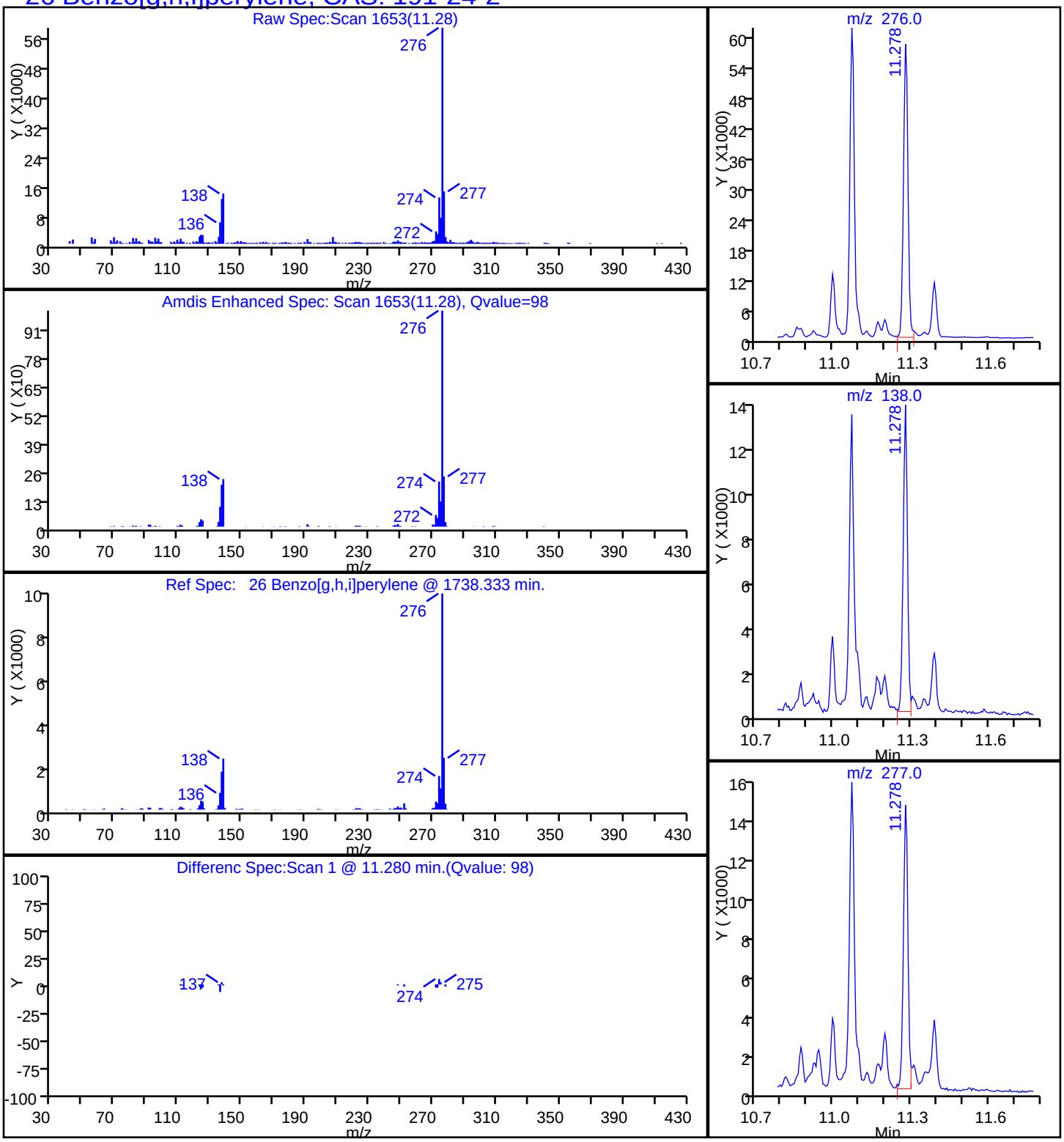


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

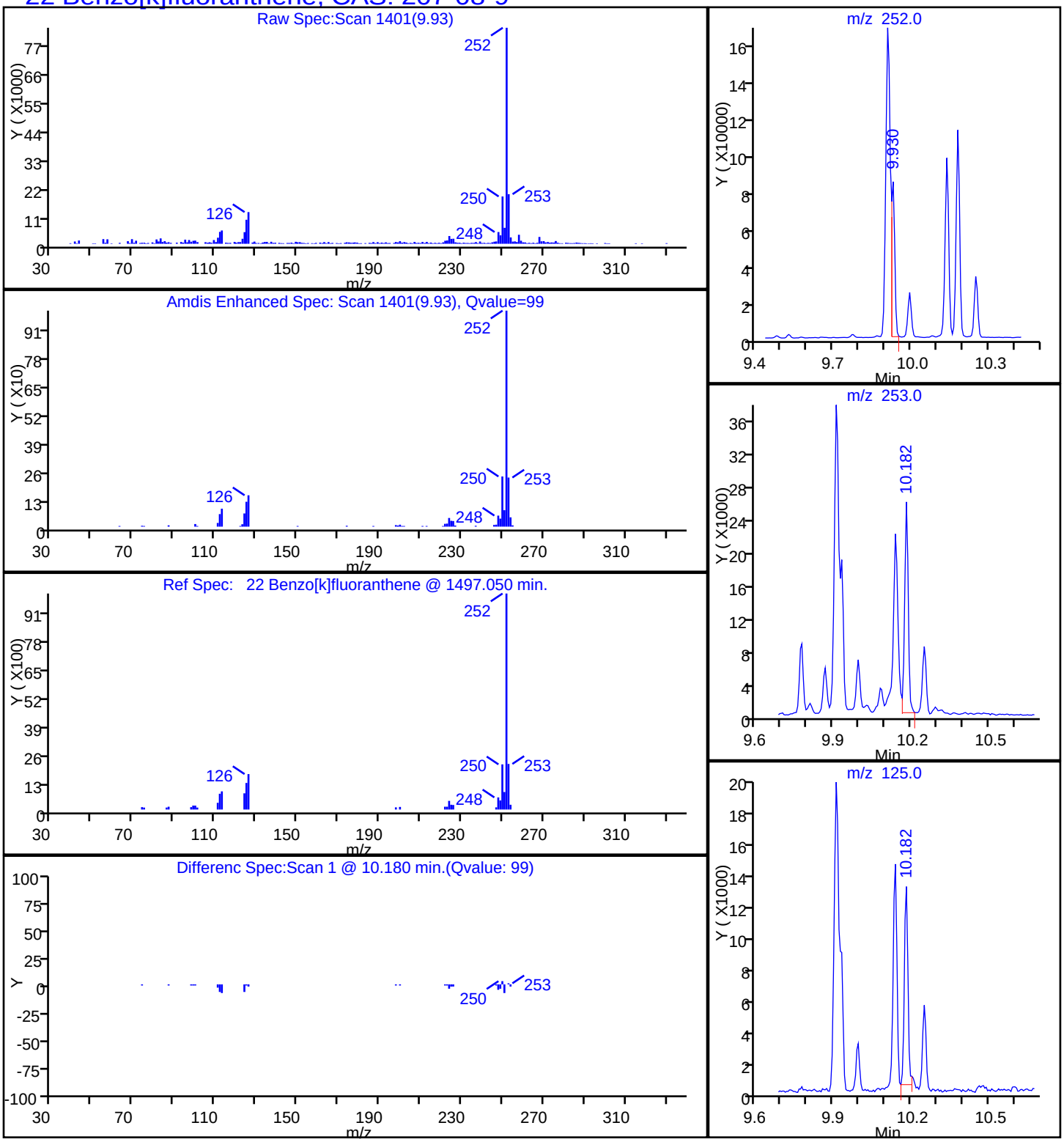


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

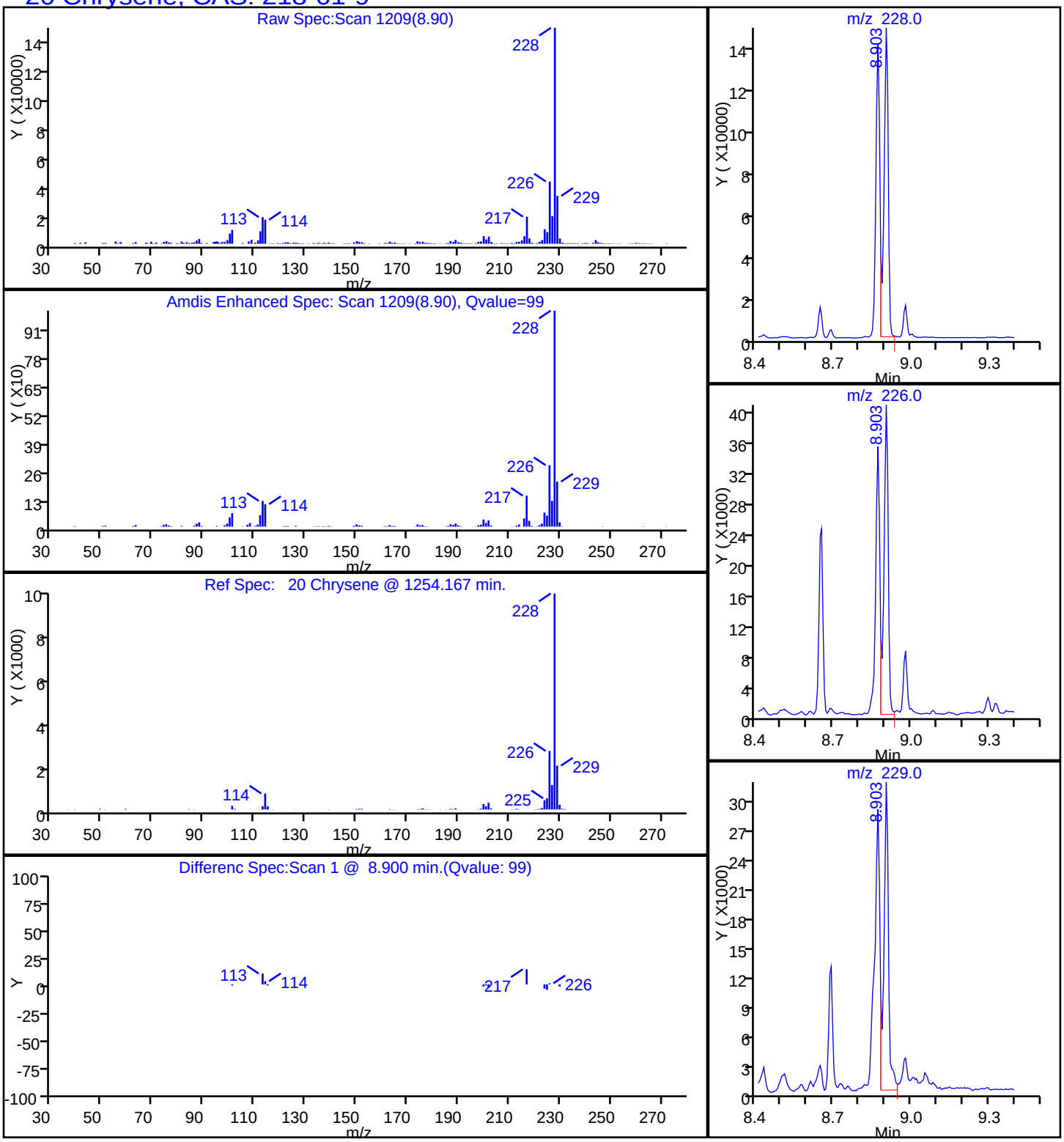


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

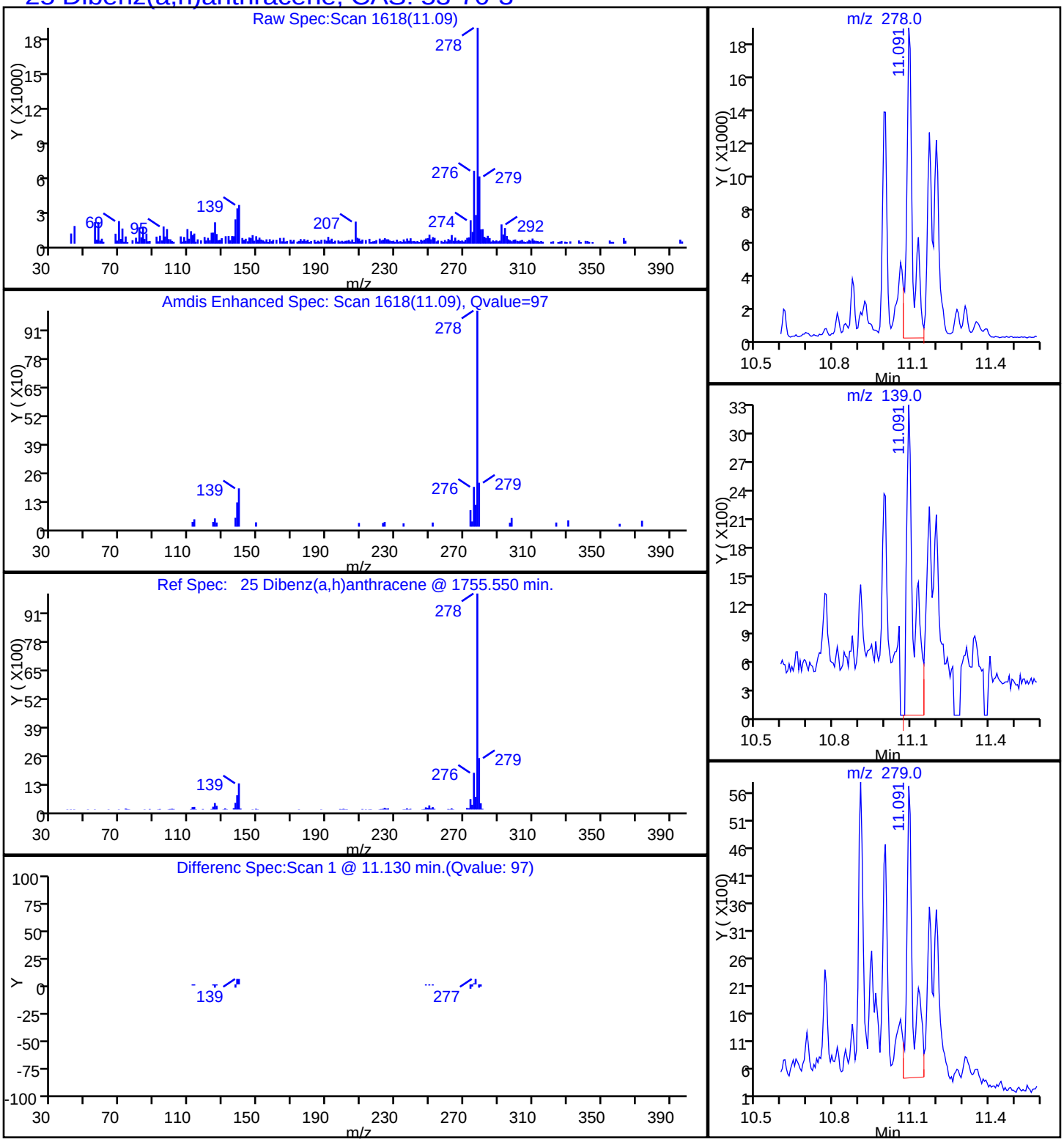


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

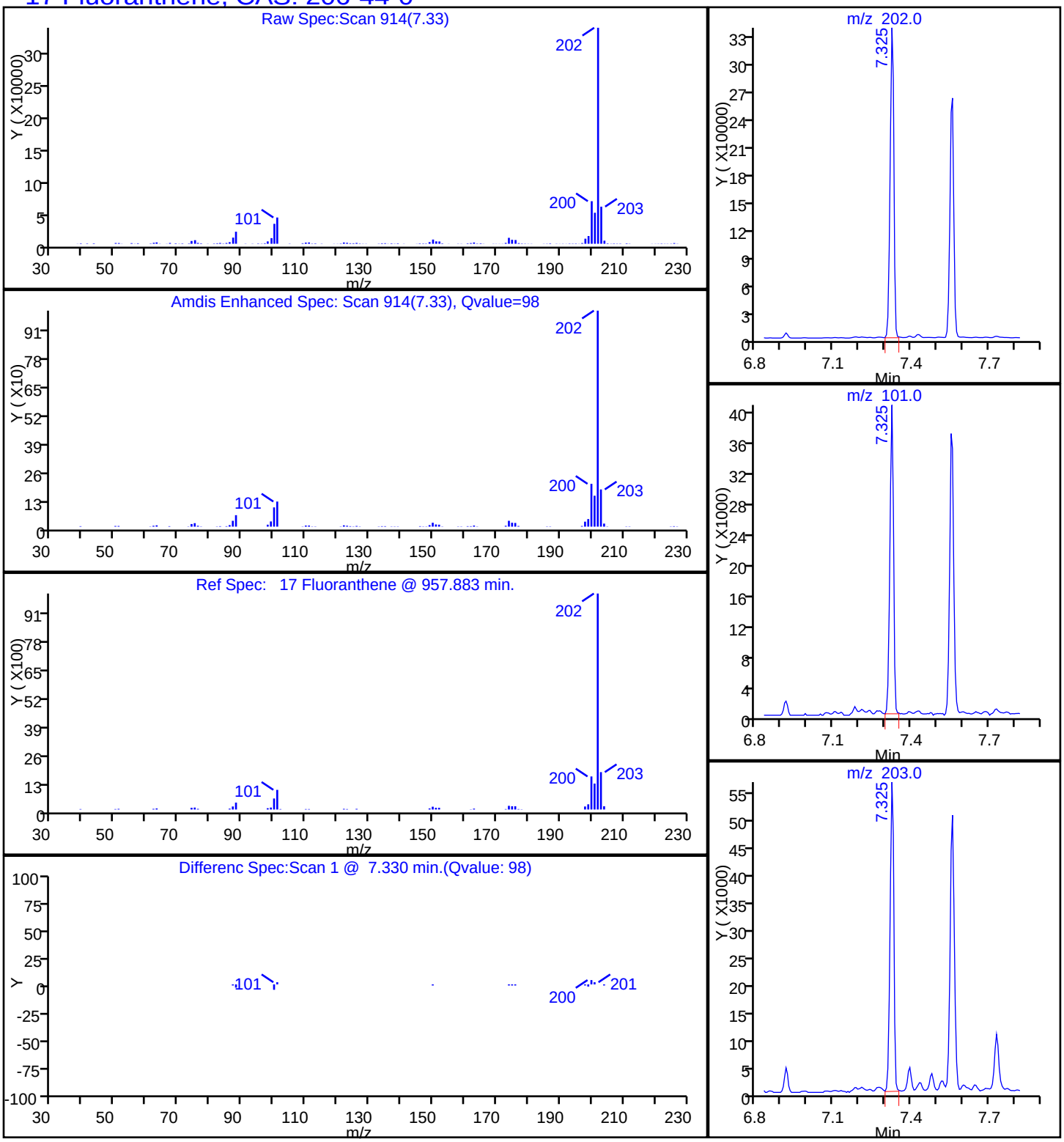


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

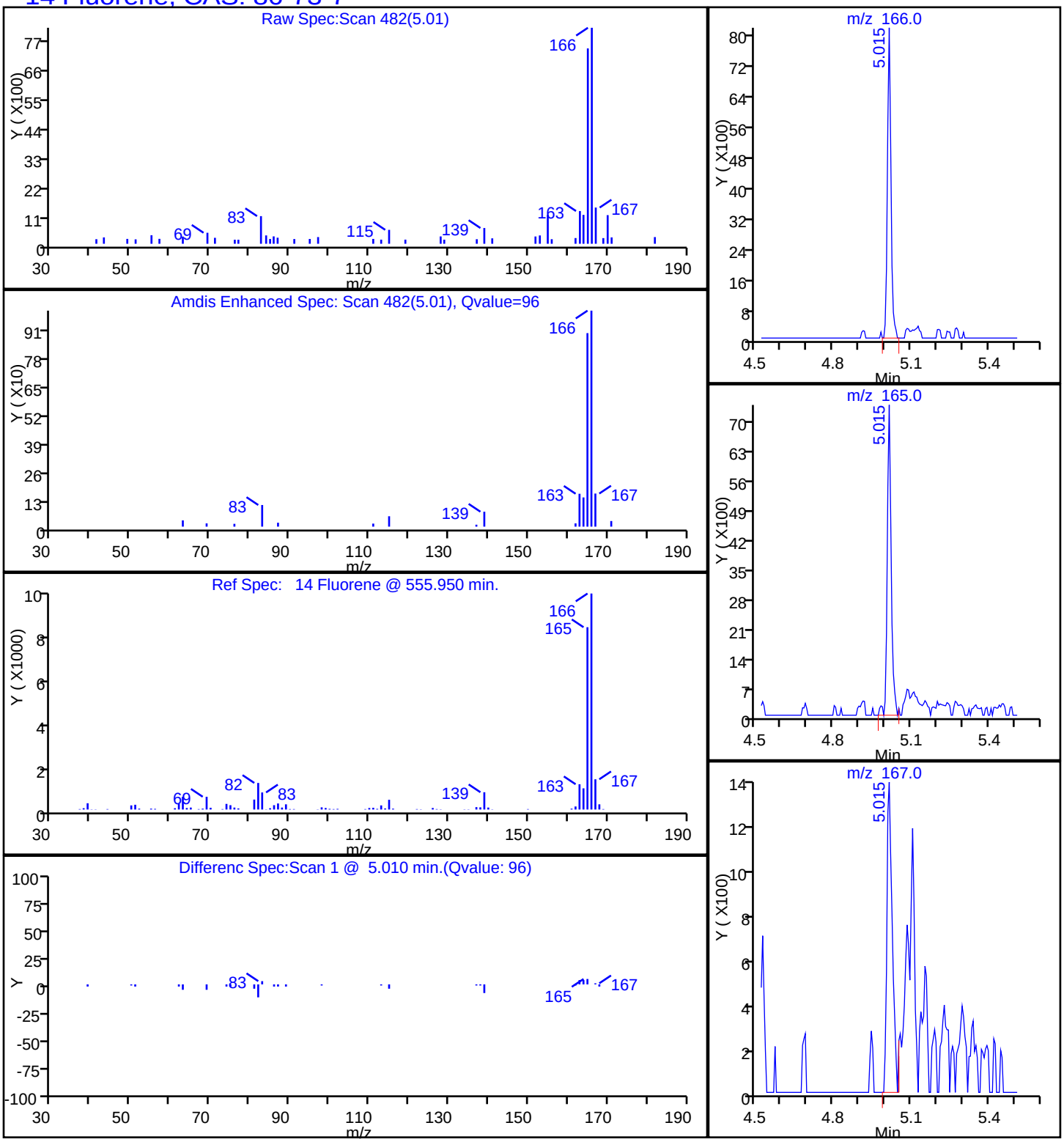


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

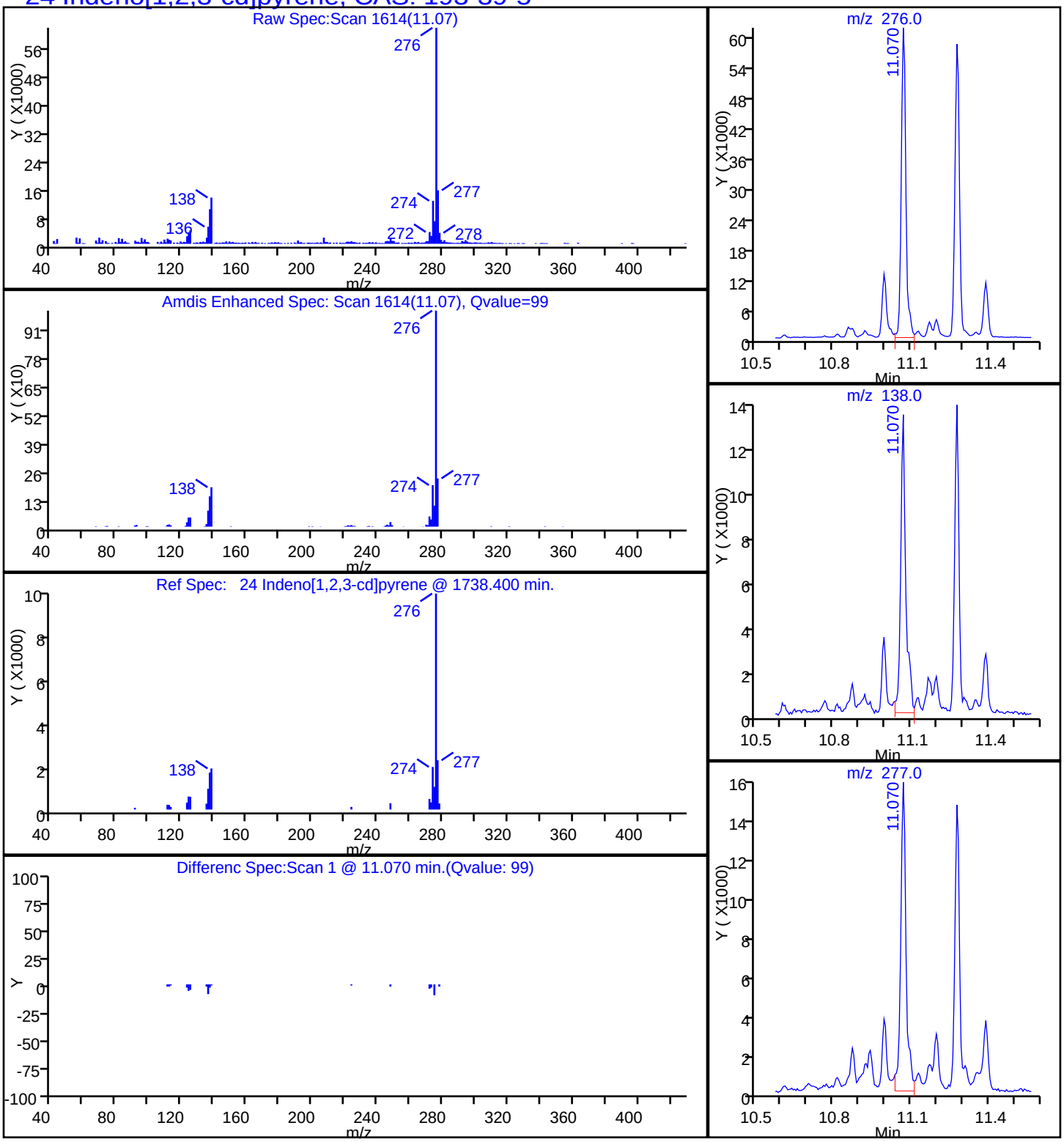


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

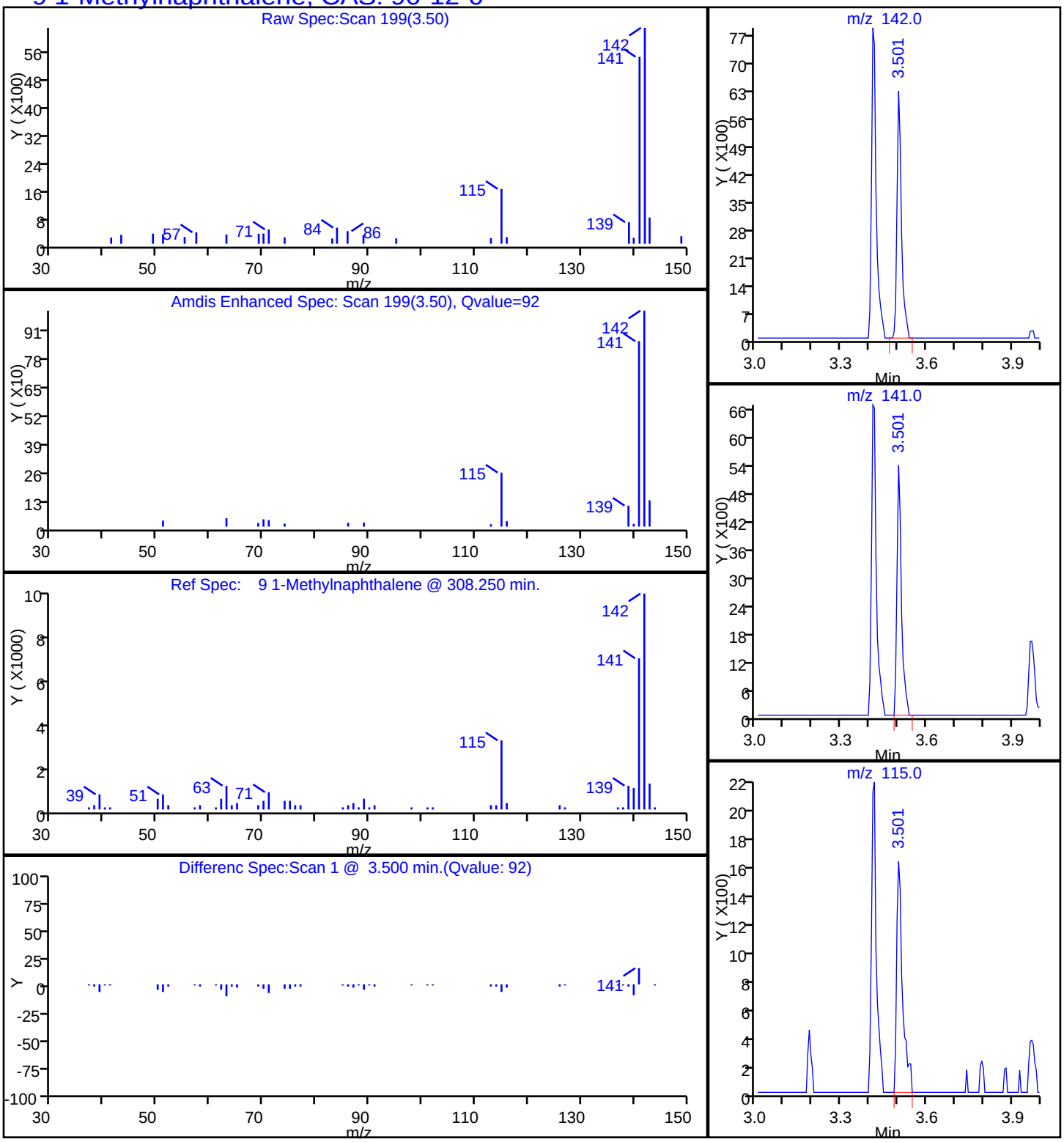


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

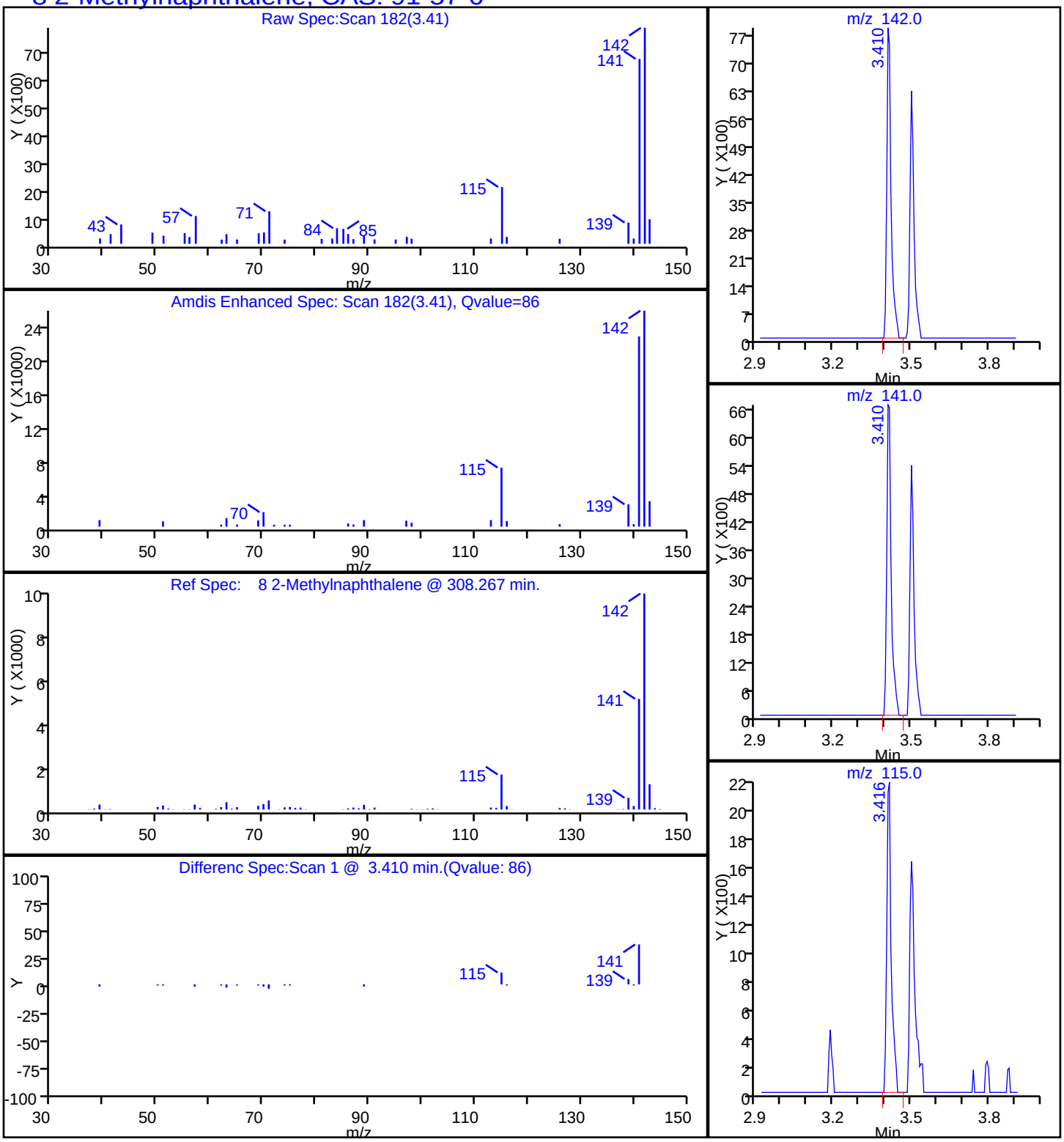


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

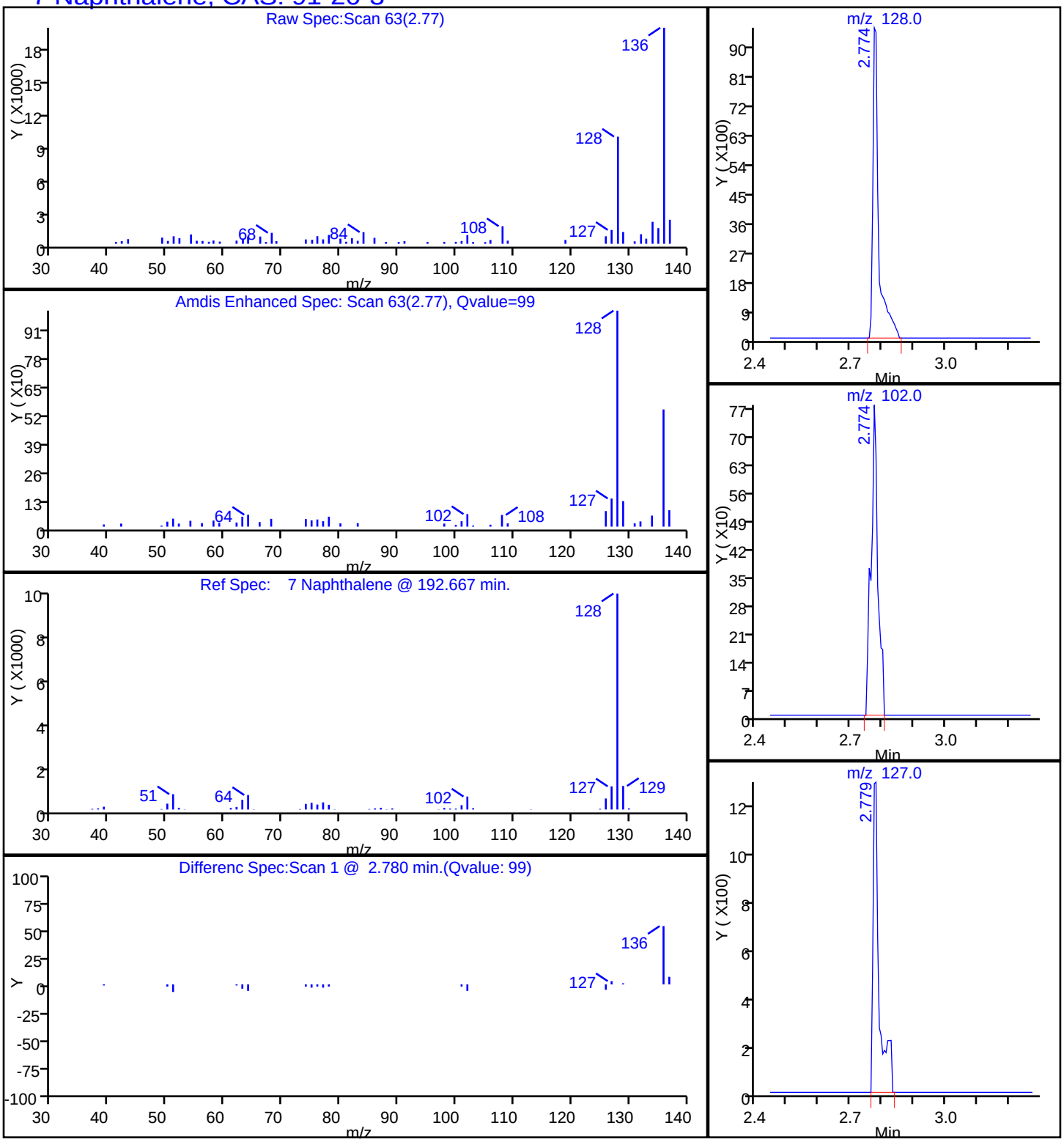


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

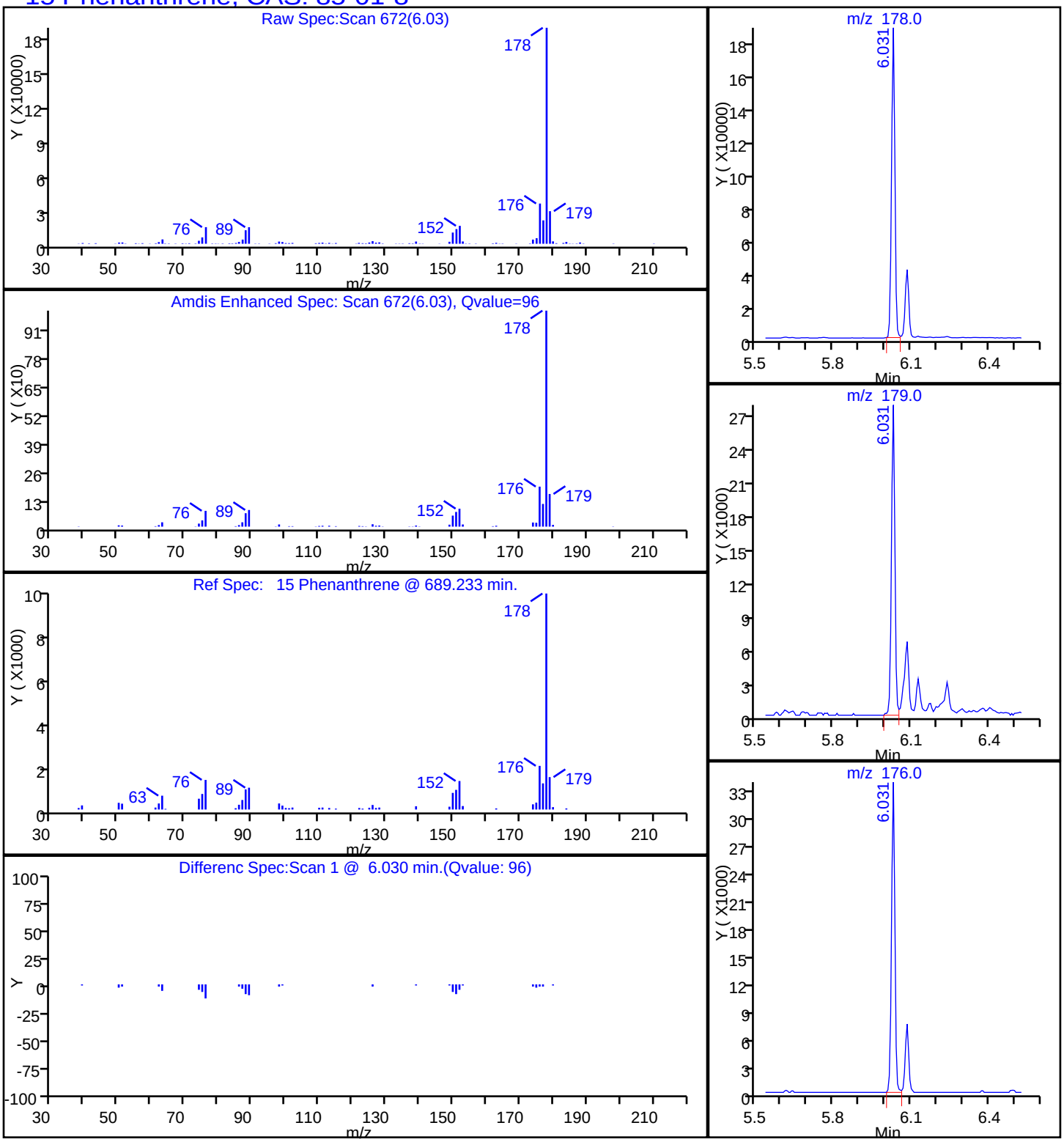


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

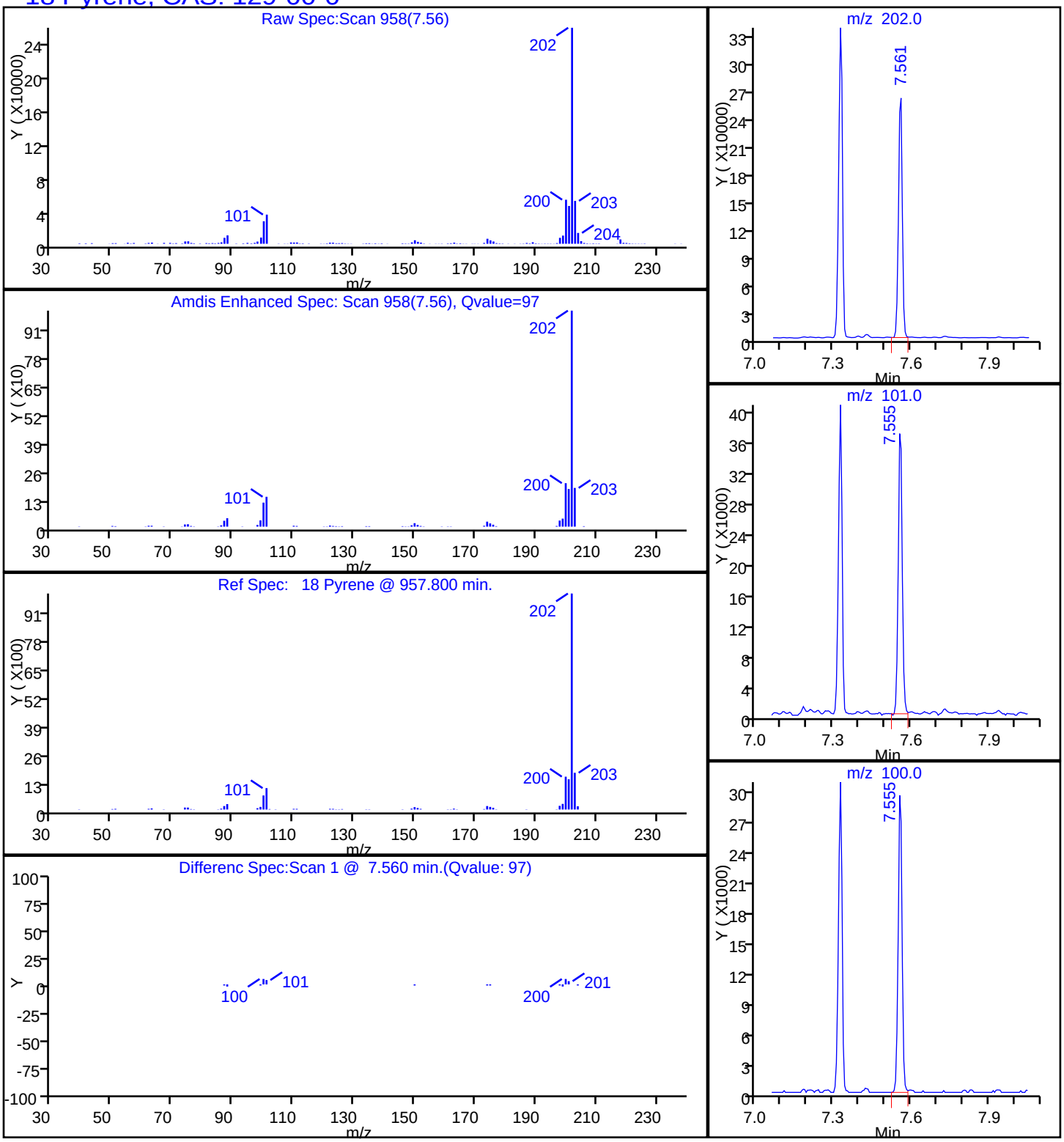


Report Date: 20-Oct-2014 09:22:07 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

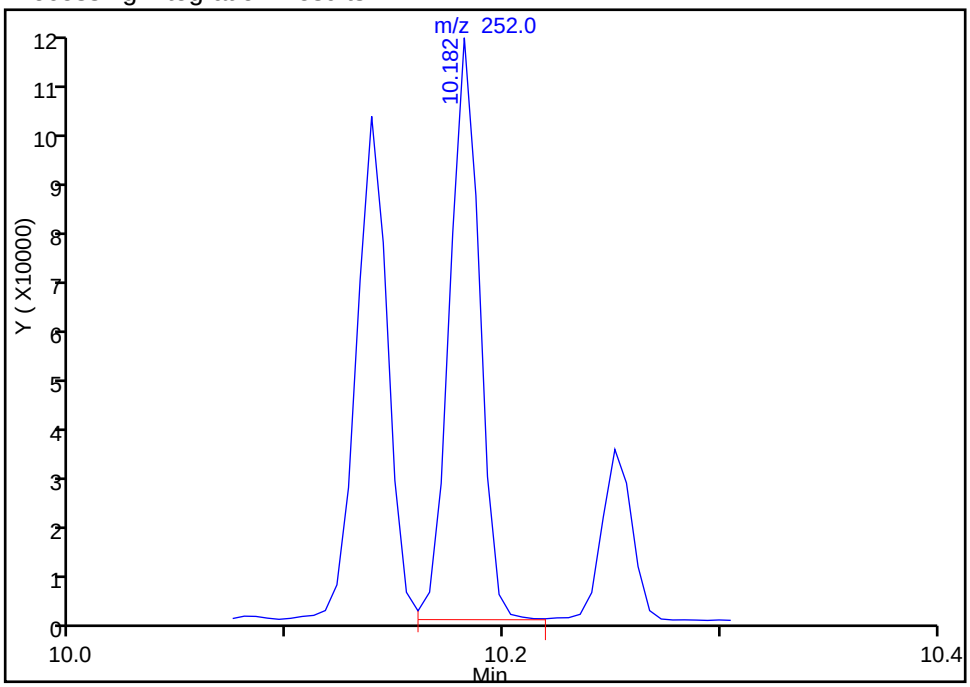
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1717.D				
Injection Date:	17-Oct-2014 15:32:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-45-A	Lab Sample ID:	680-106200-45		
Client ID:	CV0613B-CSD6				
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	17
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

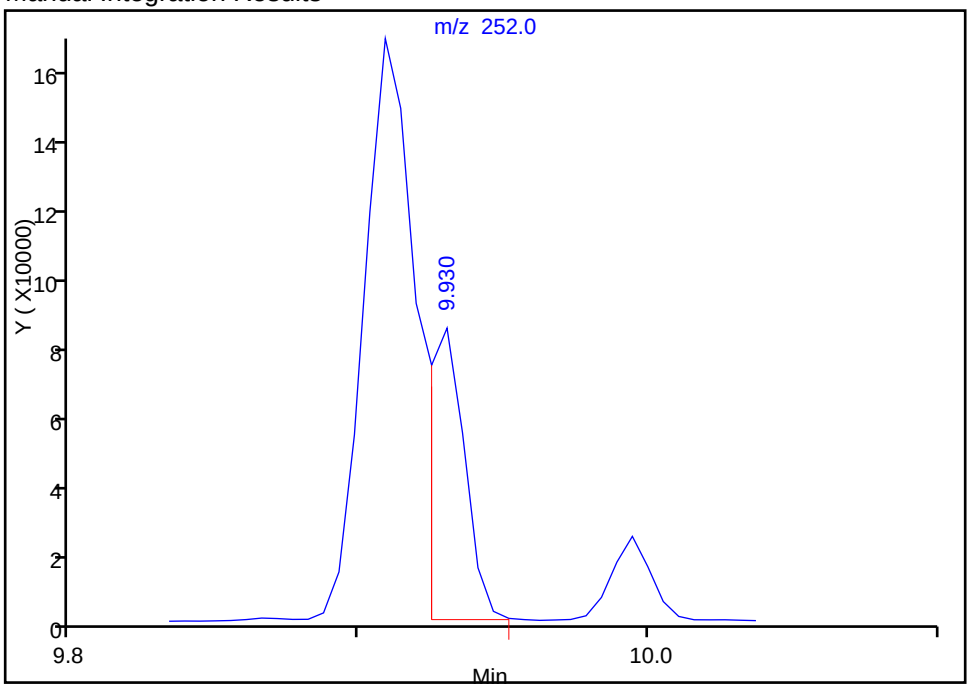
Processing Integration Results

RT: 10.18
Response: 106195
Amount: 1.806146



Manual Integration Results

RT: 9.93
Response: 72280
Amount: 1.226286



Reviewer: webbk, 17-Oct-2014 15:52:43
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0613B-CS12 | Lab Sample ID: 680-106200-46

Matrix: Solid | Lab File ID: 1YJ1718.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 15:00

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

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 15:54

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

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

% Moisture: 7.3 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	72	U	72	36
208-96-8	Acenaphthylene	72	U	72	36
120-12-7	Anthracene	72	U	72	36
56-55-3	Benzo[a]anthracene	250		72	36
50-32-8	Benzo[a]pyrene	200		72	13
205-99-2	Benzo[b]fluoranthene	290		72	36
191-24-2	Benzo[g,h,i]perylene	130		72	36
207-08-9	Benzo[k]fluoranthene	130		72	22
218-01-9	Chrysene	290		72	36
53-70-3	Dibenz(a,h)anthracene	53	J	72	36
206-44-0	Fluoranthene	400		72	36
86-73-7	Fluorene	72	U	72	36
193-39-5	Indeno[1,2,3-cd]pyrene	90		72	36
90-12-0	1-Methylnaphthalene	120		72	33
91-57-6	2-Methylnaphthalene	110		72	36
91-20-3	Naphthalene	65	J	72	36
85-01-8	Phenanthrene	230		72	26
129-00-0	Pyrene	430		72	36

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\1YJ1718.D				
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Sample Type:	Client				
Inject. Date:	17-Oct-2014 15:54:30	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	106200-A-46-A 1:10				
Misc. Info.:	680-0013845-018				
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 09:00:48

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	140420	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	91	79461	2.00	
* 3 Phenanthrene-d10	188	6.004	6.005	0.000	98	138436	2.00	
* 4 Chrysene-d12	240	8.877	8.877	0.000	99	119355	2.00	
* 5 Perylene-d12	264	10.230	10.225	0.005	99	90700	2.00	
7 Naphthalene	128	2.774	2.774	0.000	99	13873	0.1811	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	86	15915	0.3134	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	91	15128	0.3212	
11 Acenaphthylene	152	4.288	4.288	0.000	97	5738	0.0745	
15 Phenanthrene	178	6.031	6.031	0.000	96	53946	0.6511	
16 Anthracene	178	6.085	6.085	0.000	98	7616	0.0924	
17 Fluoranthene	202	7.326	7.320	0.006	98	97559	1.11	
18 Pyrene	202	7.556	7.556	0.000	98	92685	1.19	
19 Benzo[a]anthracene	228	8.871	8.866	0.005	97	48380	0.6931	
20 Chrysene	228	8.903	8.903	0.000	99	53098	0.7997	
21 Benzo[b]fluoranthene	252	9.909	9.904	0.005	98	48895	0.8196	M
22 Benzo[k]fluoranthene	252	9.920	9.930	-0.010	99	21321	0.3681	M
23 Benzo[a]pyrene	252	10.182	10.176	0.006	98	27864	0.5679	
24 Indeno[1,2,3-cd]pyrene	276	11.070	11.070	0.000	99	16400	0.2503	
25 Dibenz(a,h)anthracene	278	11.091	11.091	0.000	94	6309	0.1472	
26 Benzo[g,h,i]perylene	276	11.278	11.273	0.005	98	16733	0.3742	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

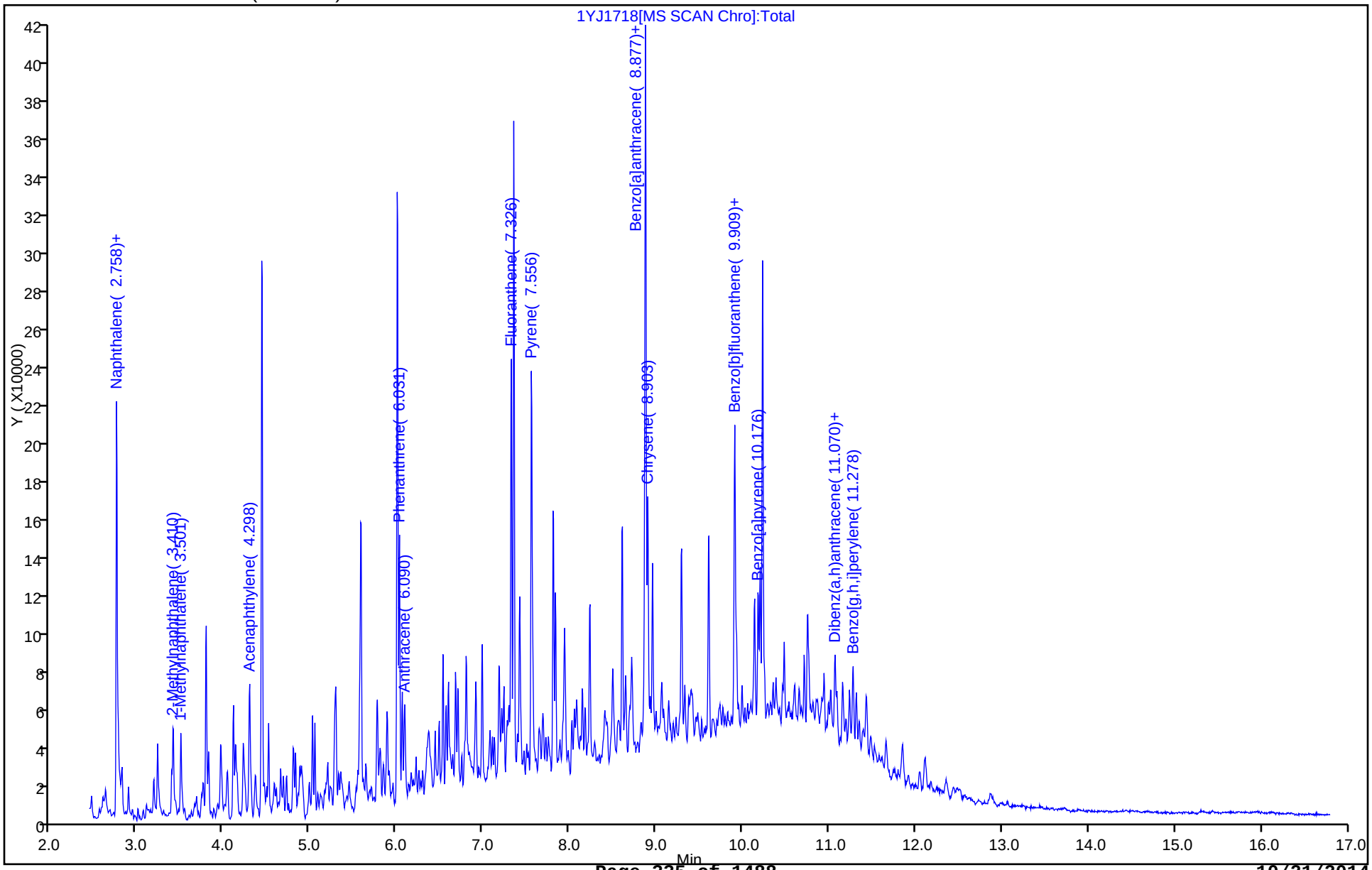
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46	Worklist Smp#:	18
Client ID:	CV0613B-CS12				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	18
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

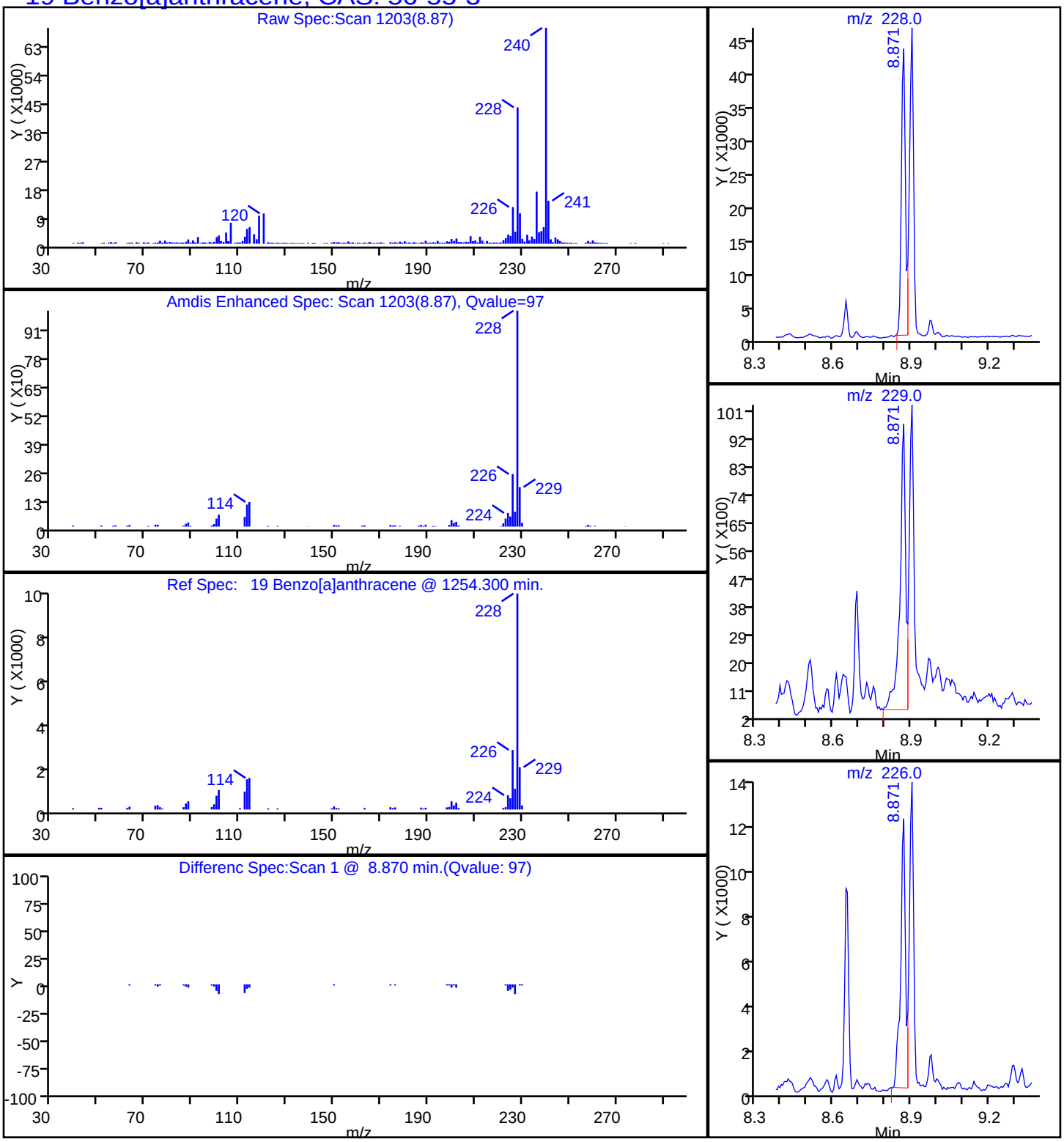


Report Date: 20-Oct-2014 09:22:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

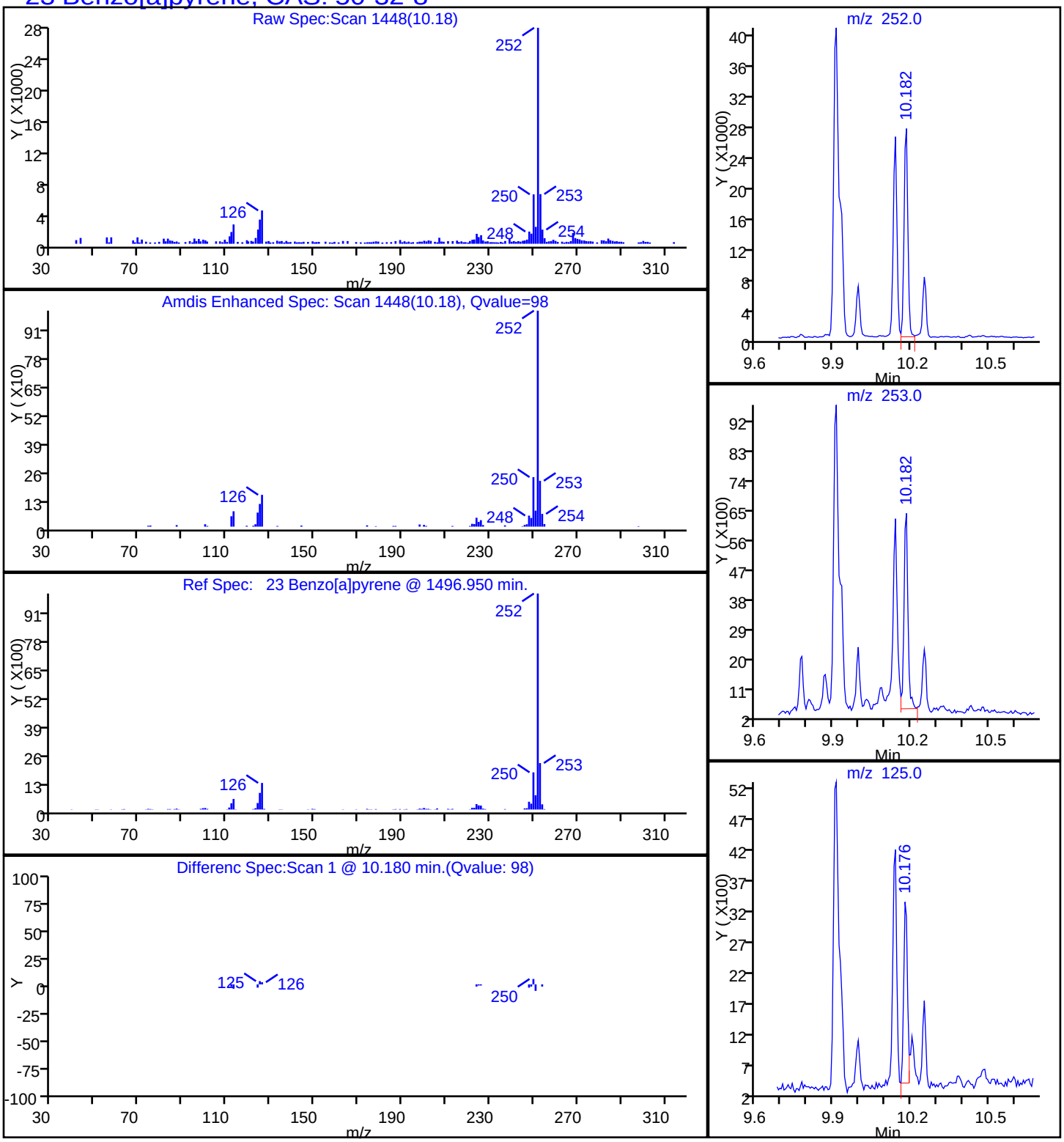


Report Date: 20-Oct-2014 09:22:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

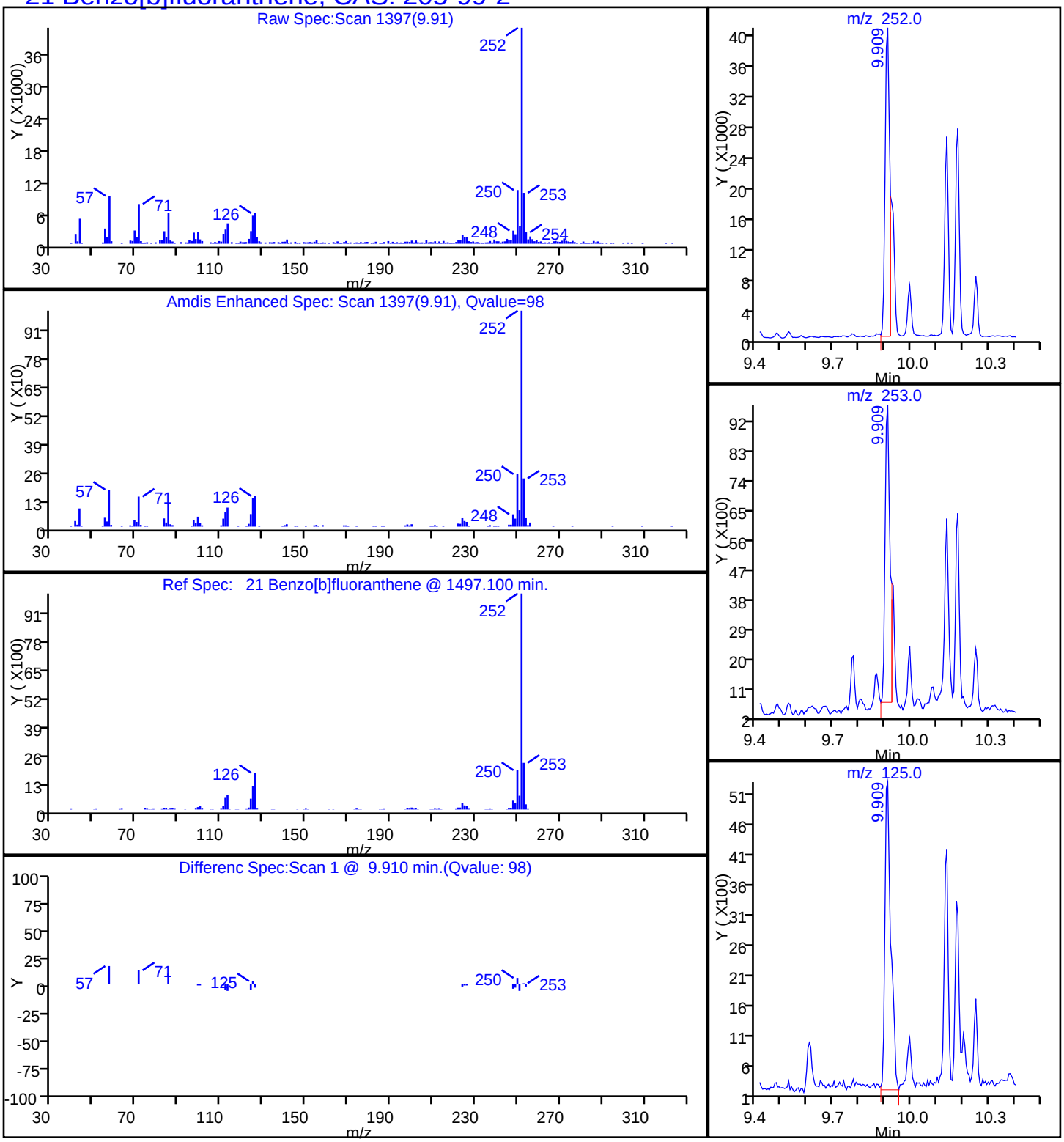


Report Date: 20-Oct-2014 09:22:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

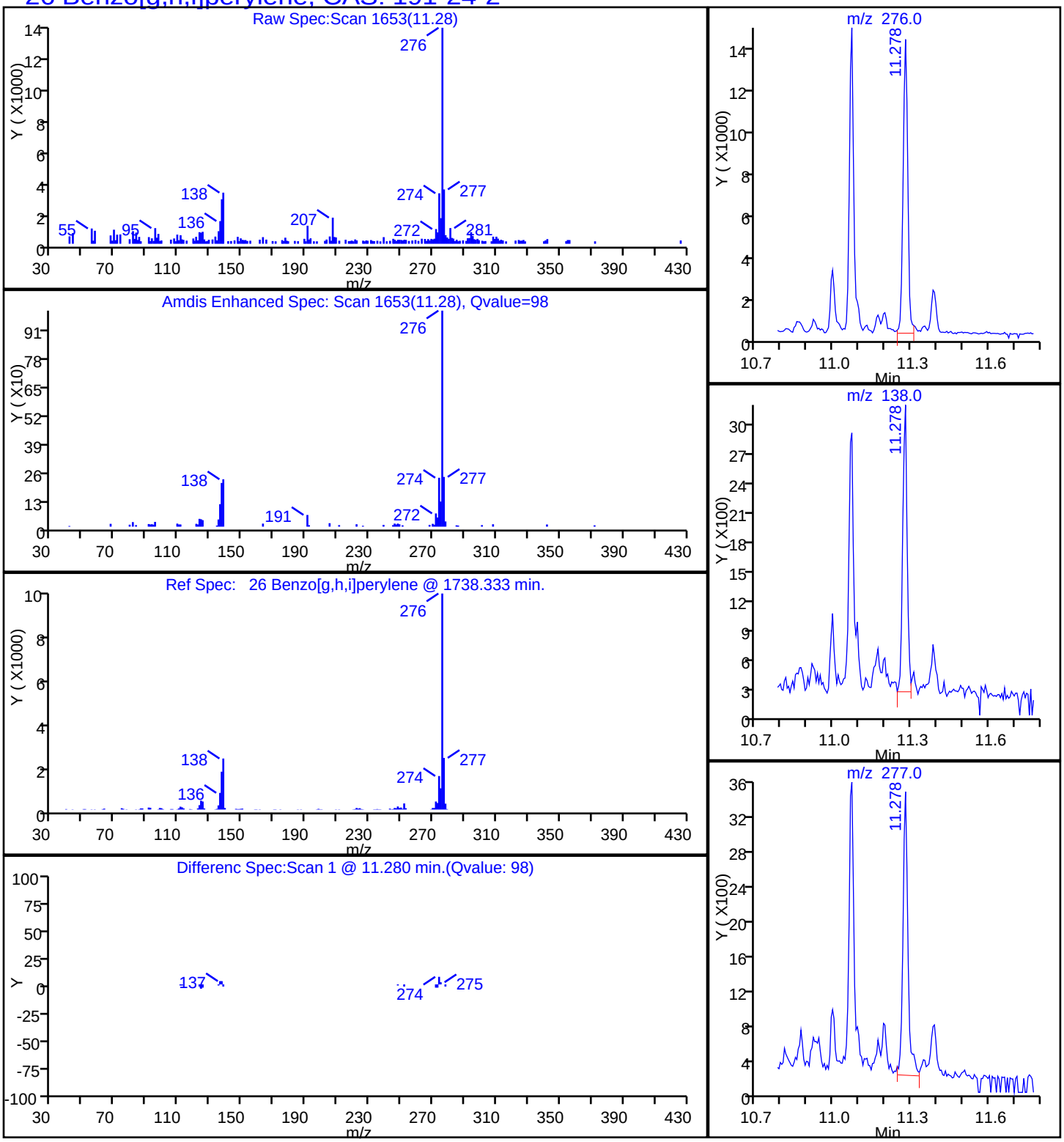


Report Date: 20-Oct-2014 09:22:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

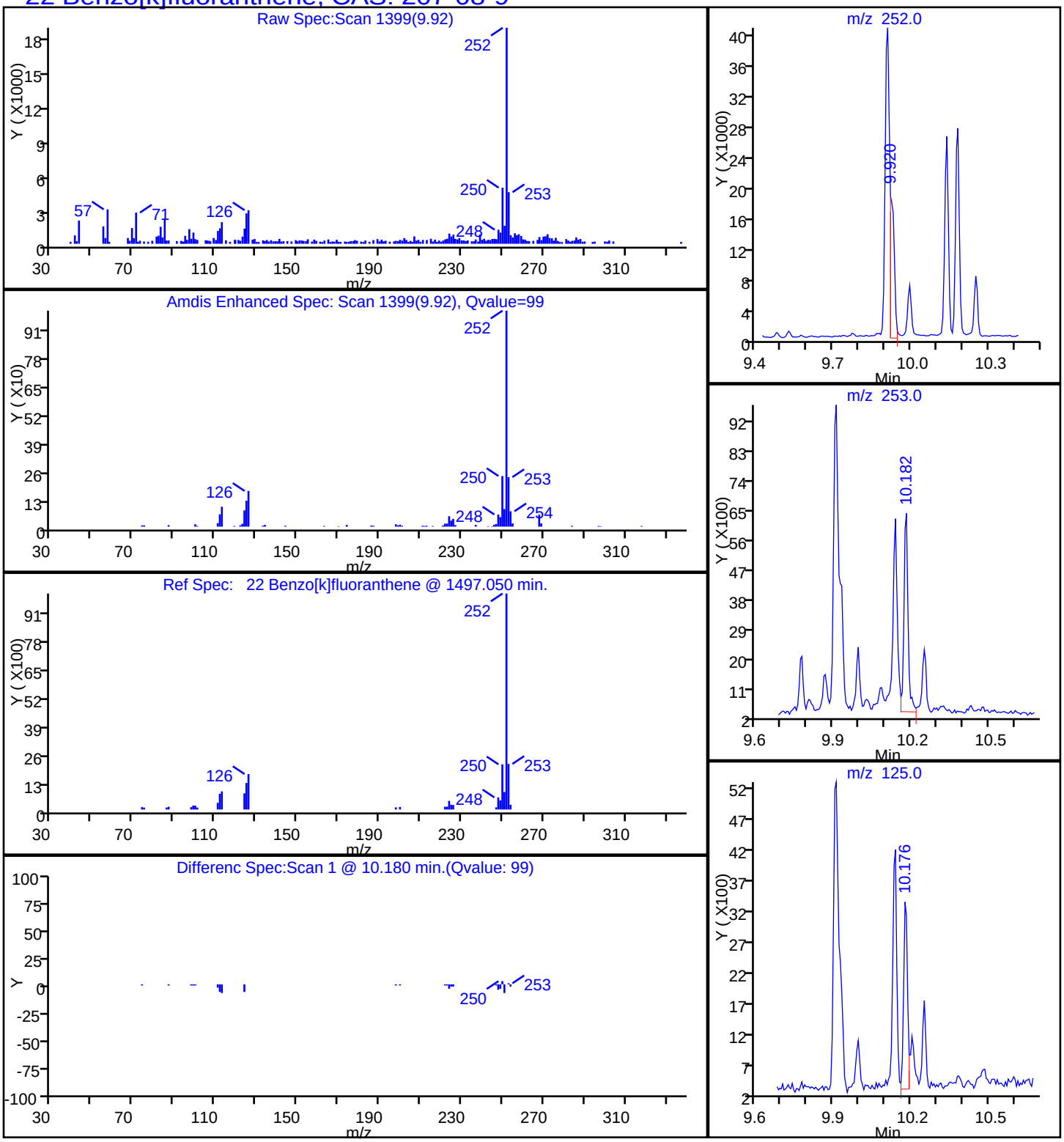


Report Date: 20-Oct-2014 09:22:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

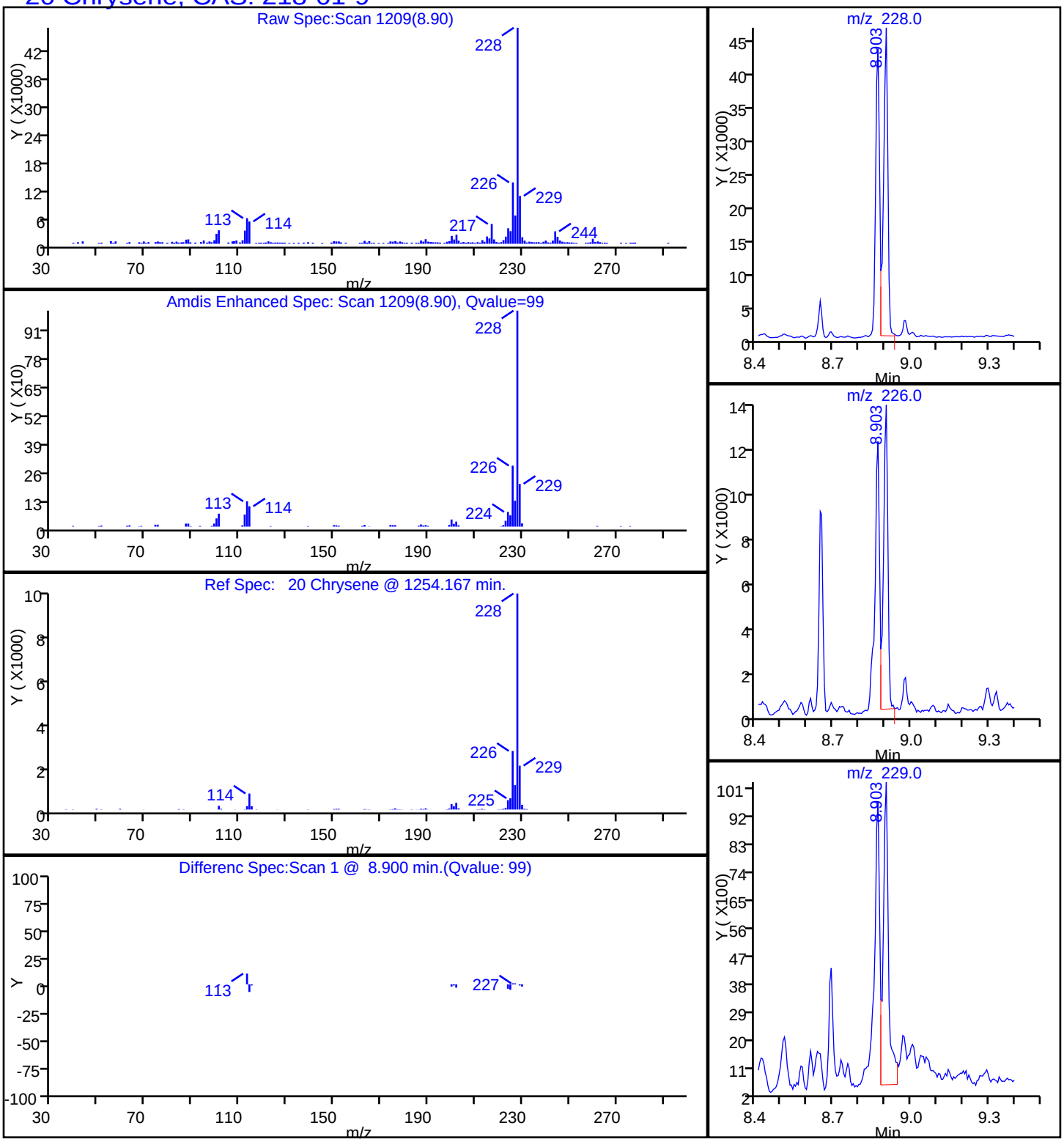


Report Date: 20-Oct-2014 09:22:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

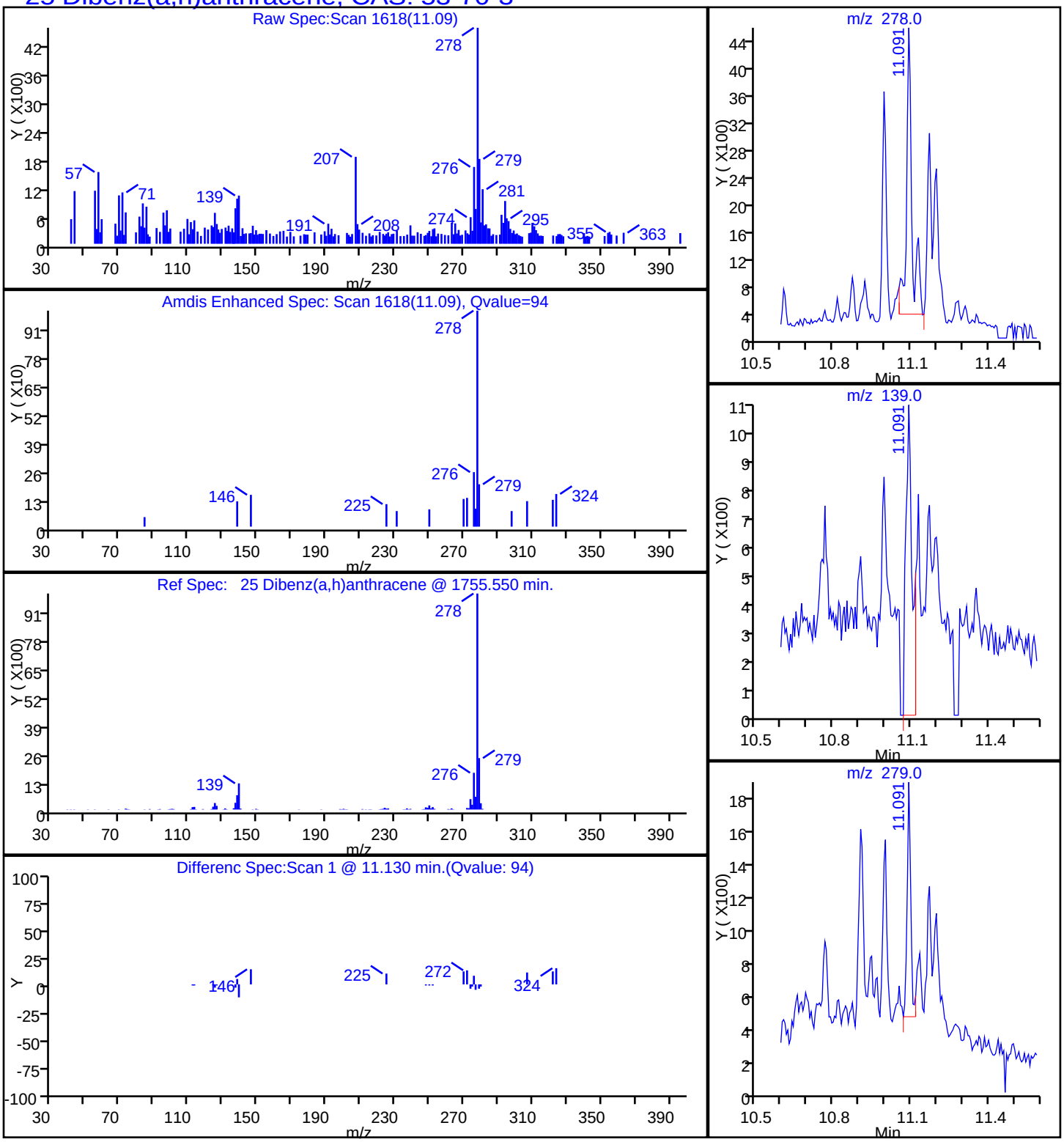


Report Date: 20-Oct-2014 09:22:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

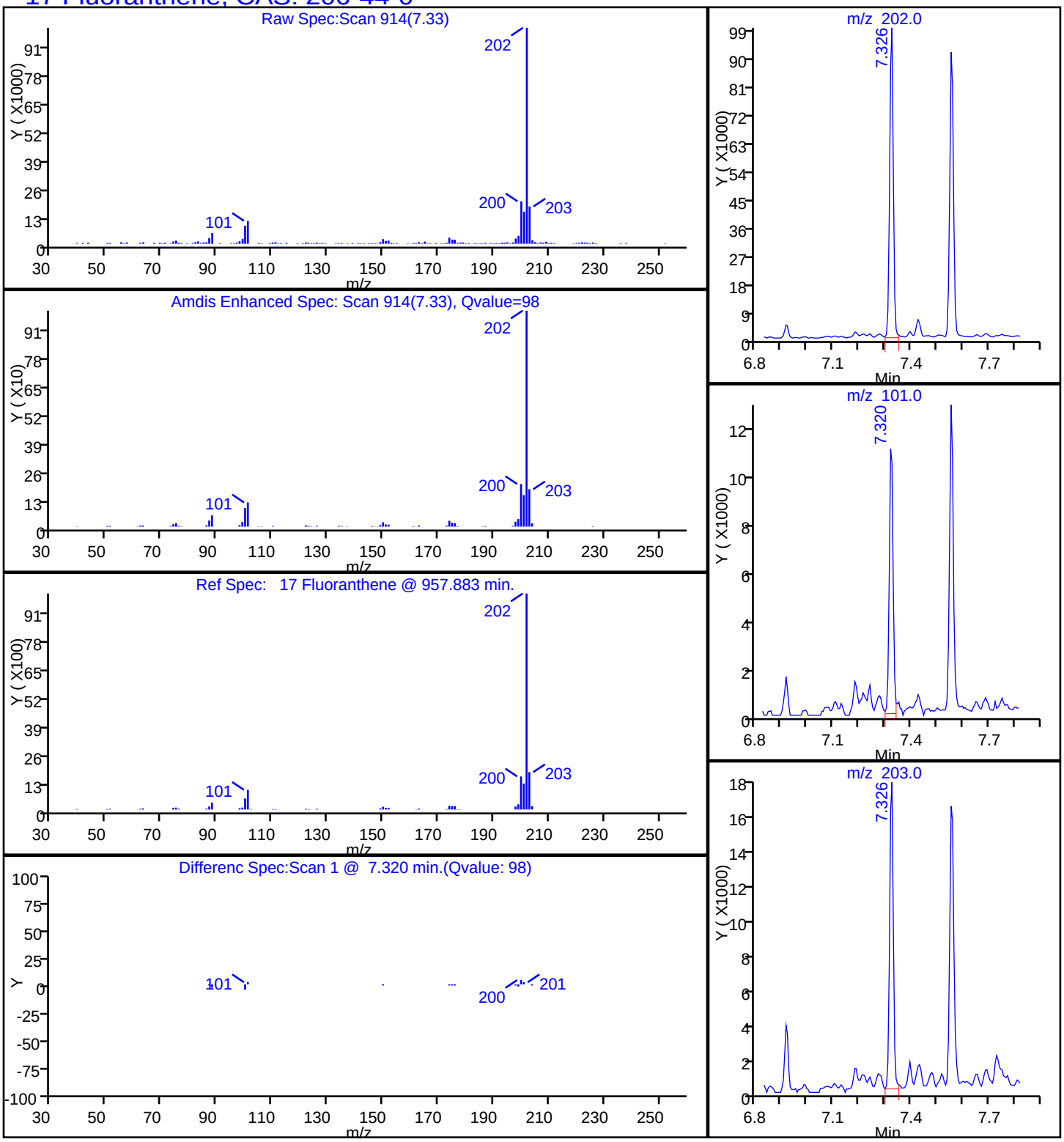


Report Date: 20-Oct-2014 09:22:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

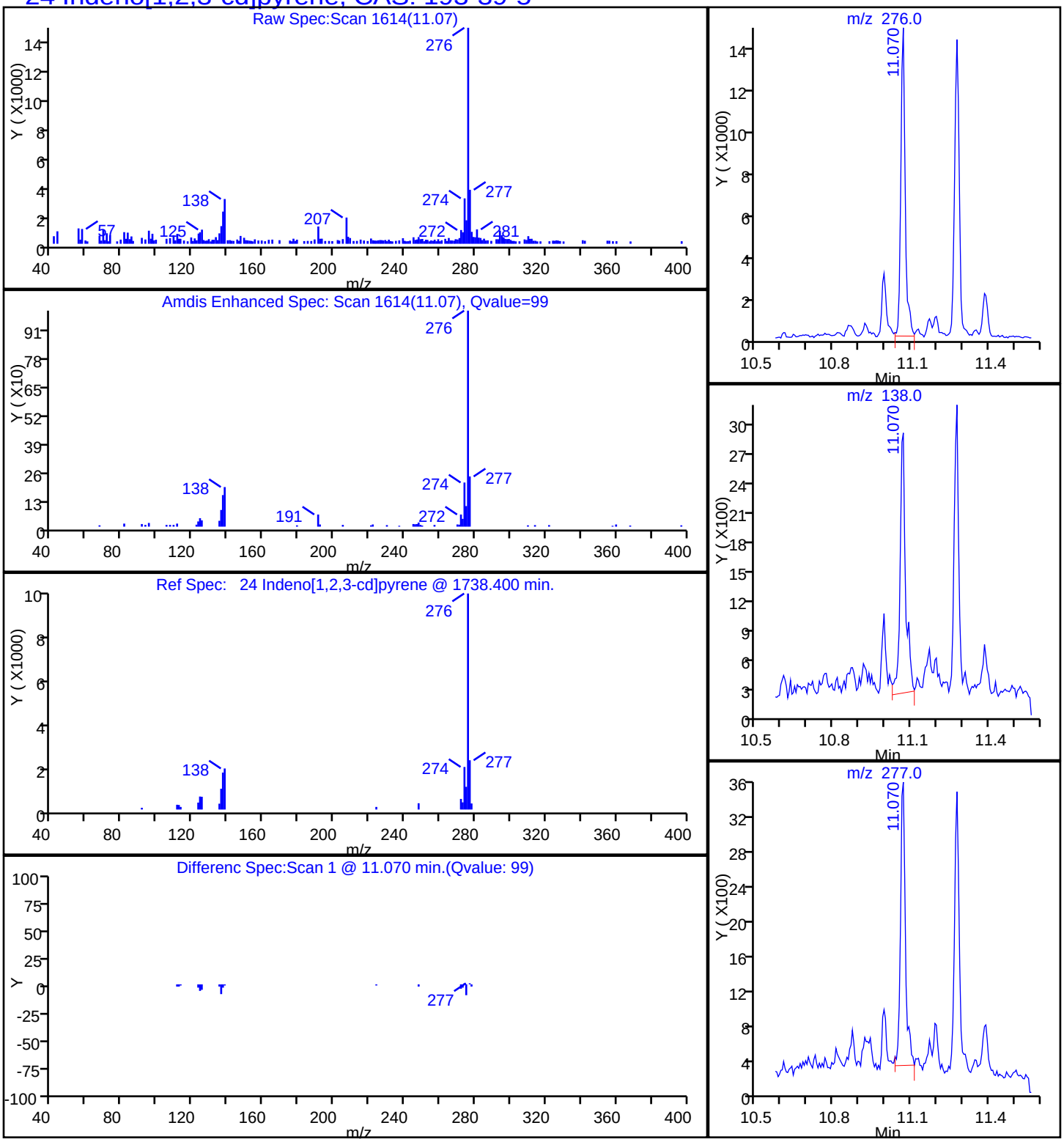


Report Date: 20-Oct-2014 09:22:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

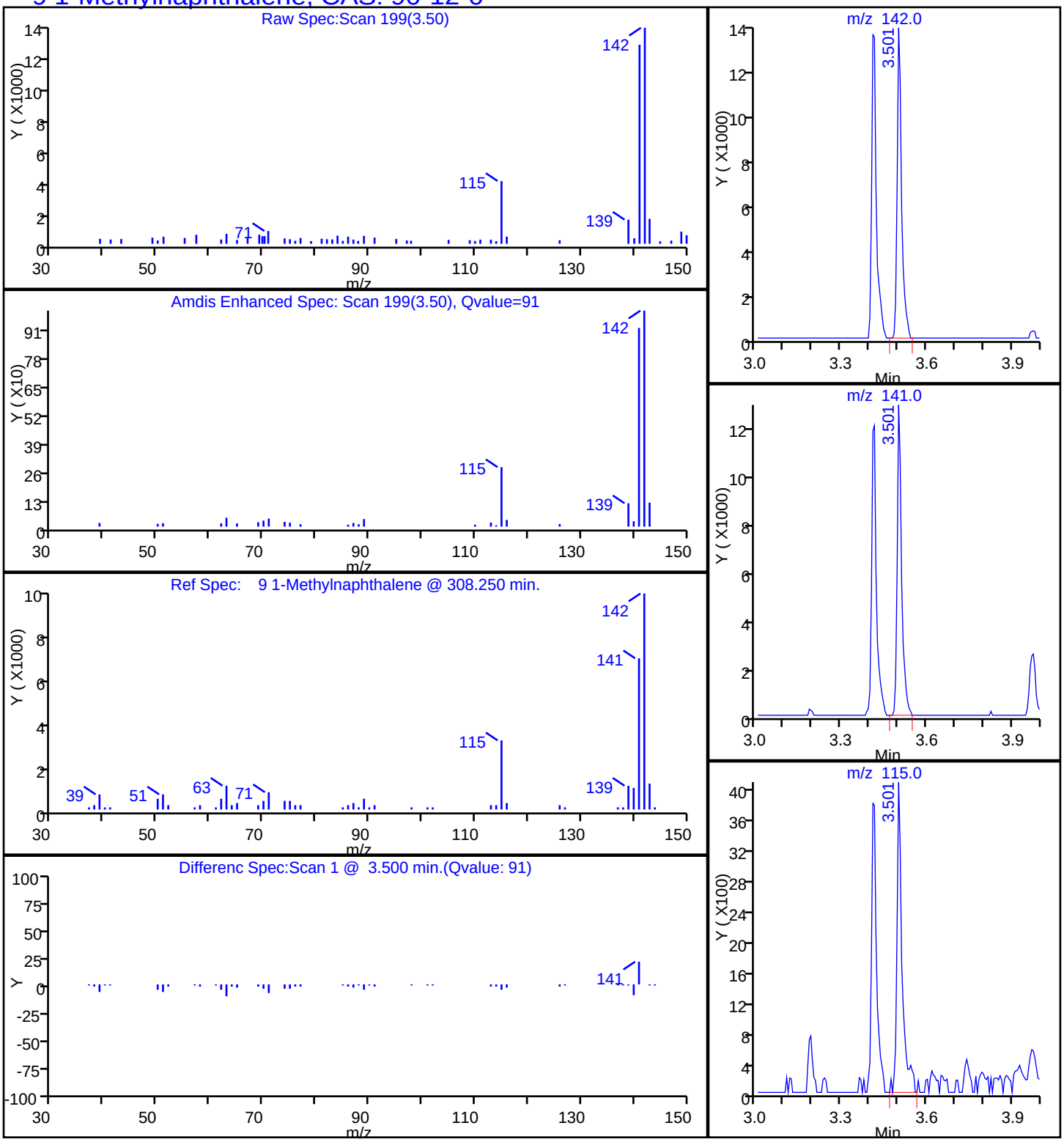


Report Date: 20-Oct-2014 09:22:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

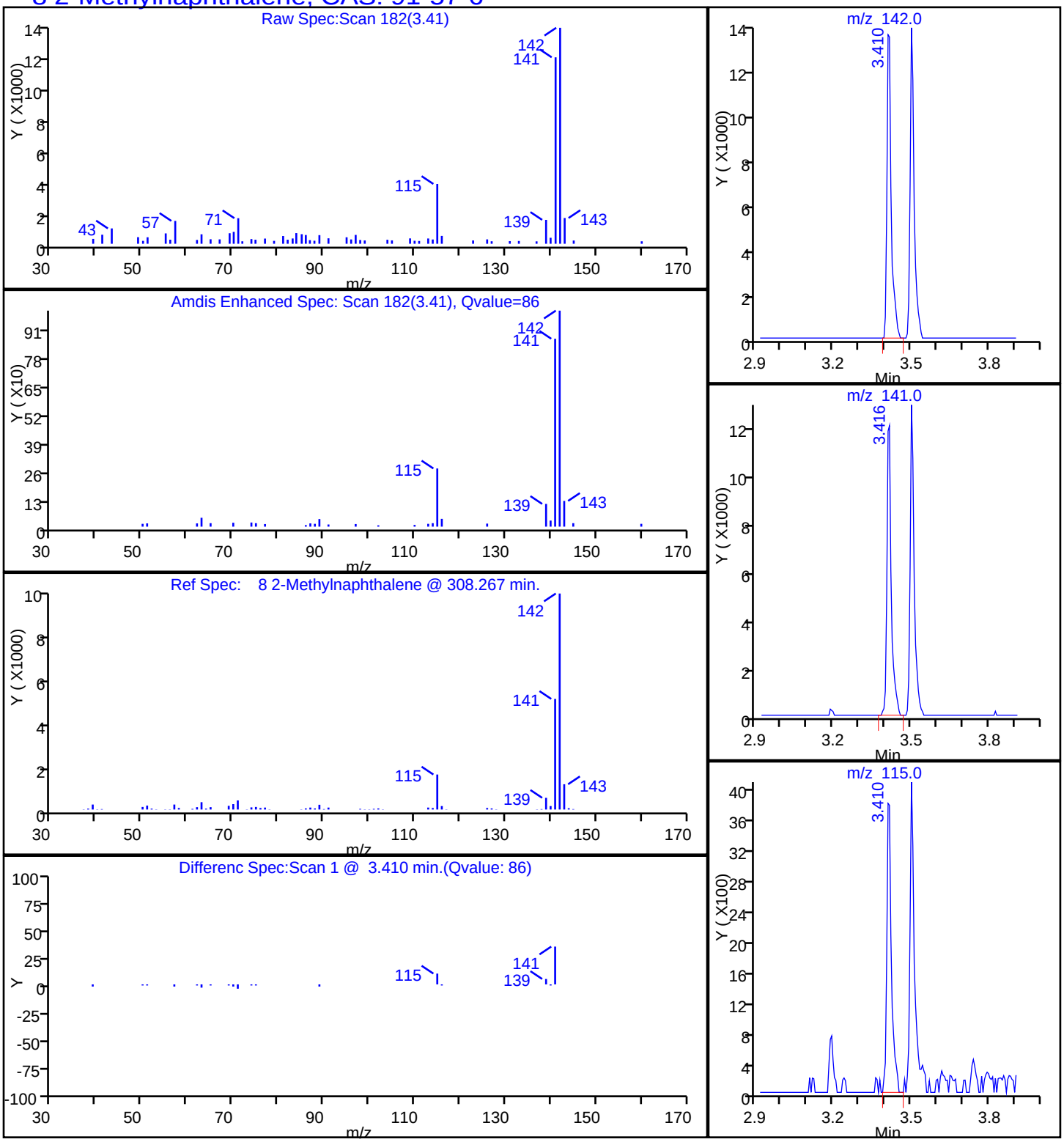


Report Date: 20-Oct-2014 09:22:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

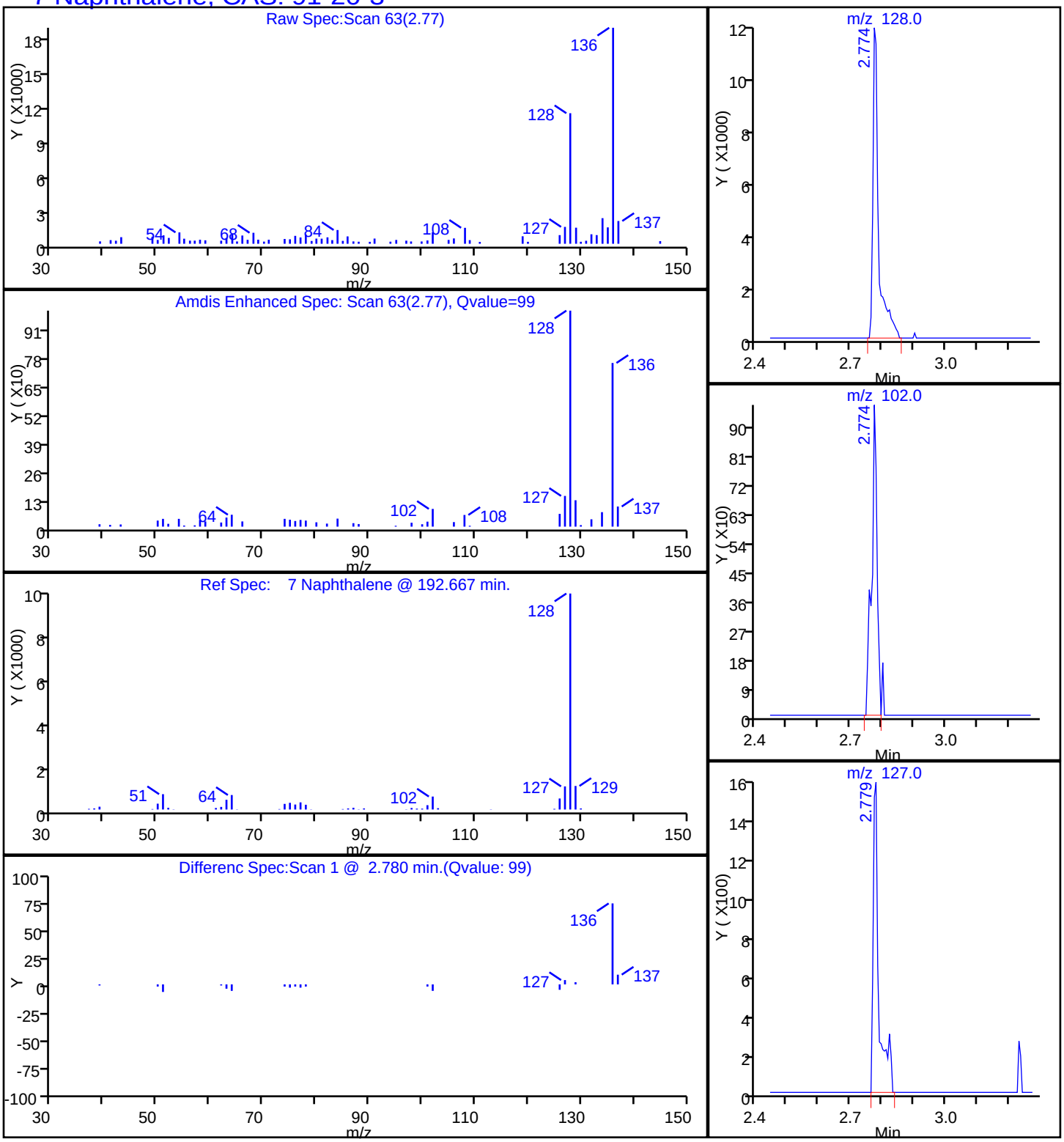


Report Date: 20-Oct-2014 09:22:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

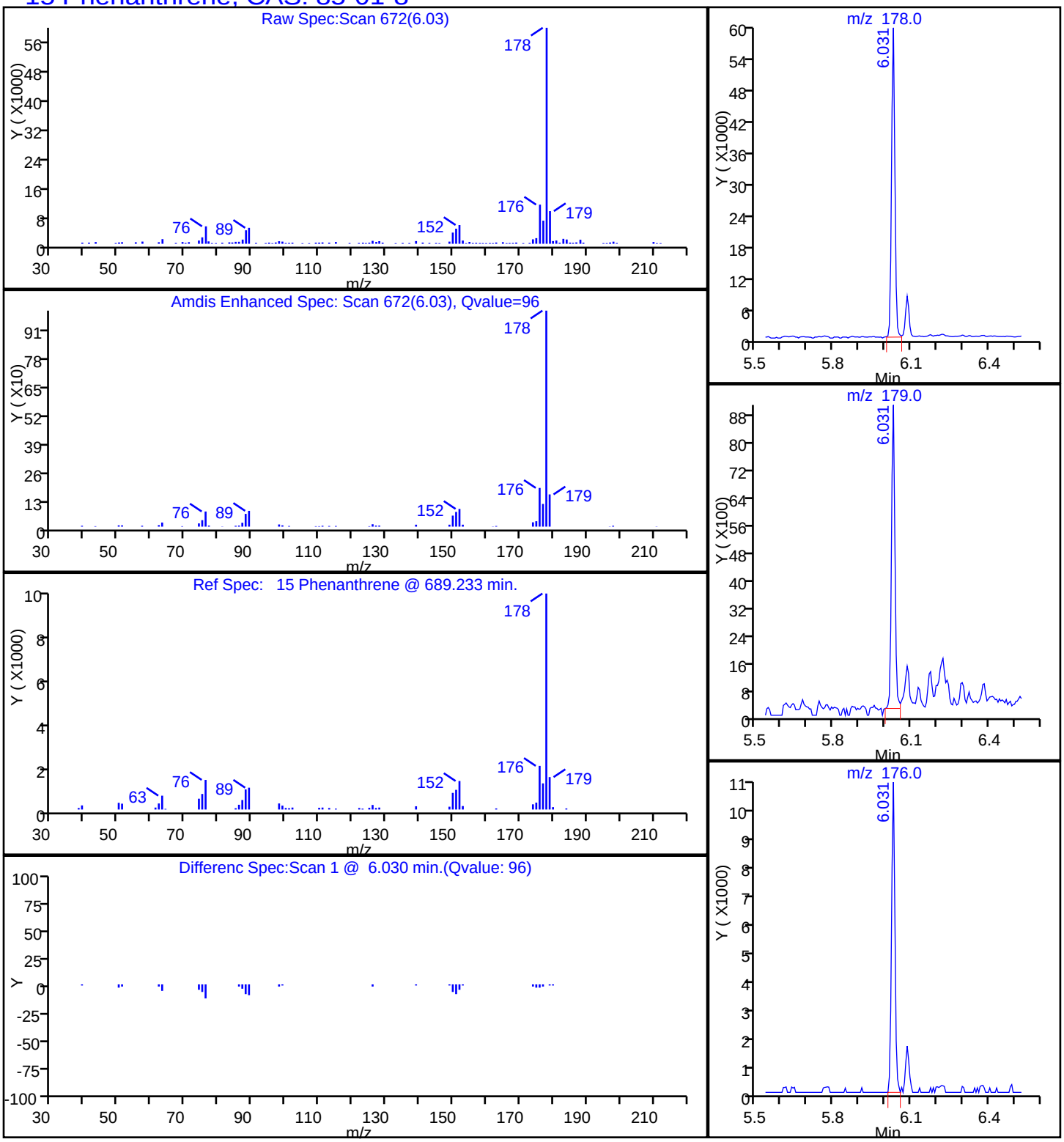


Report Date: 20-Oct-2014 09:22:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

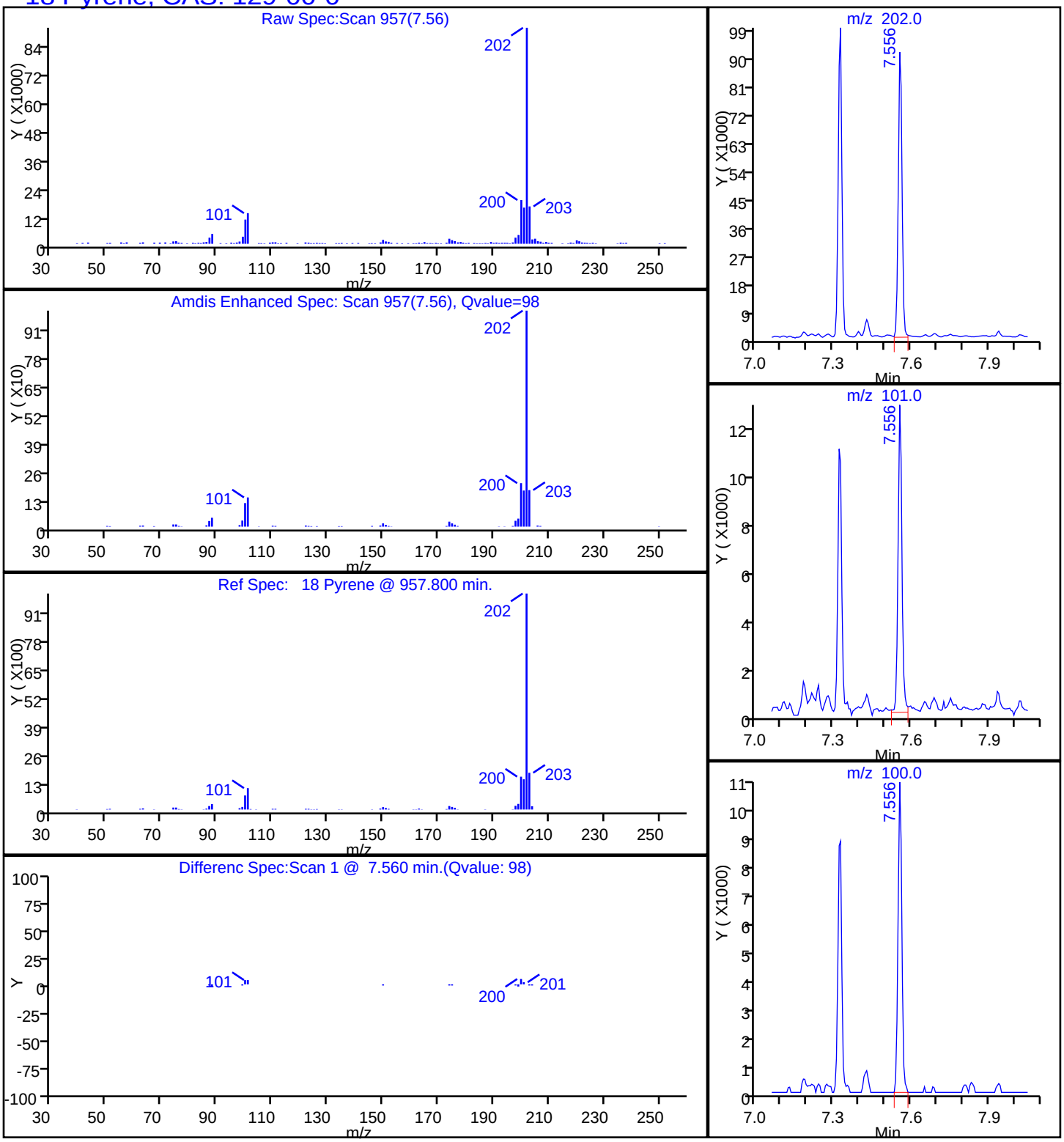


Report Date: 20-Oct-2014 09:22:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

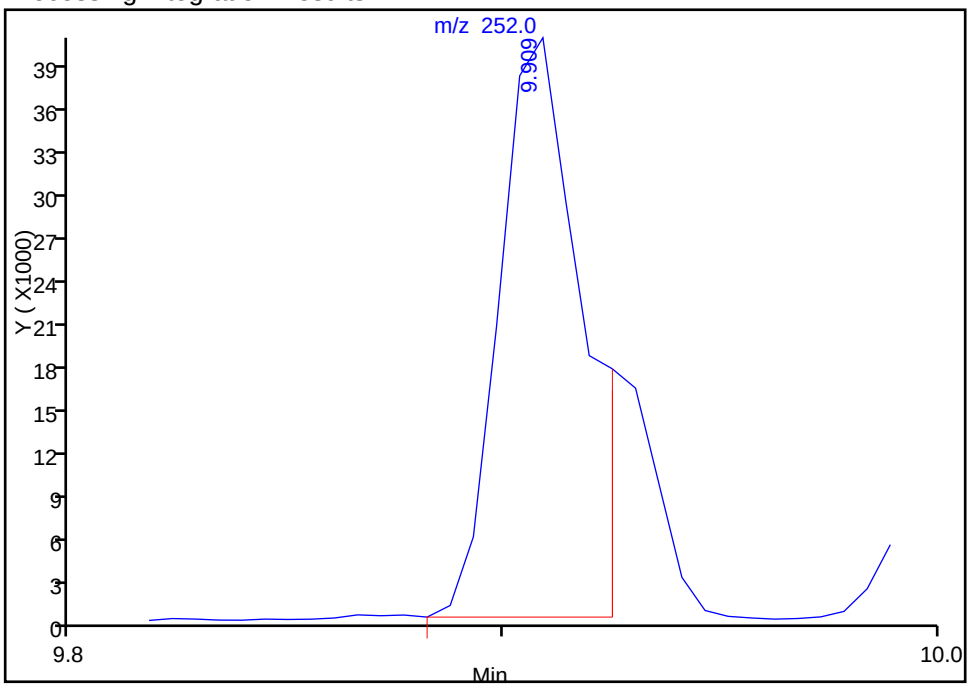
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

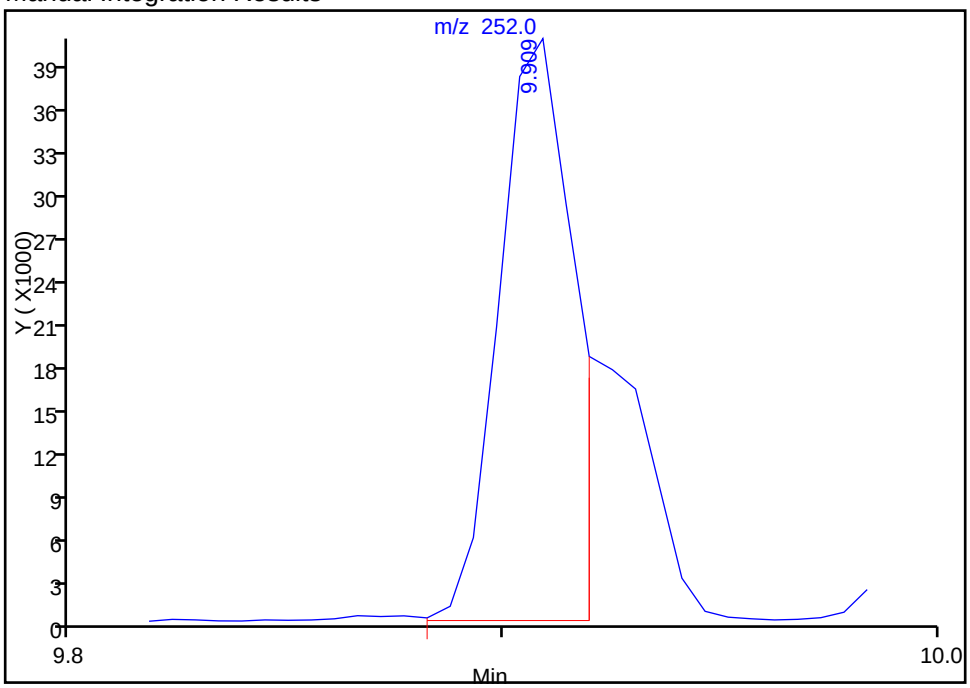
Processing Integration Results

RT: 9.91
Response: 53945
Amount: 0.904297



Manual Integration Results

RT: 9.91
Response: 48895
Amount: 0.819642



Reviewer: webbk, 20-Oct-2014 09:00:48
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

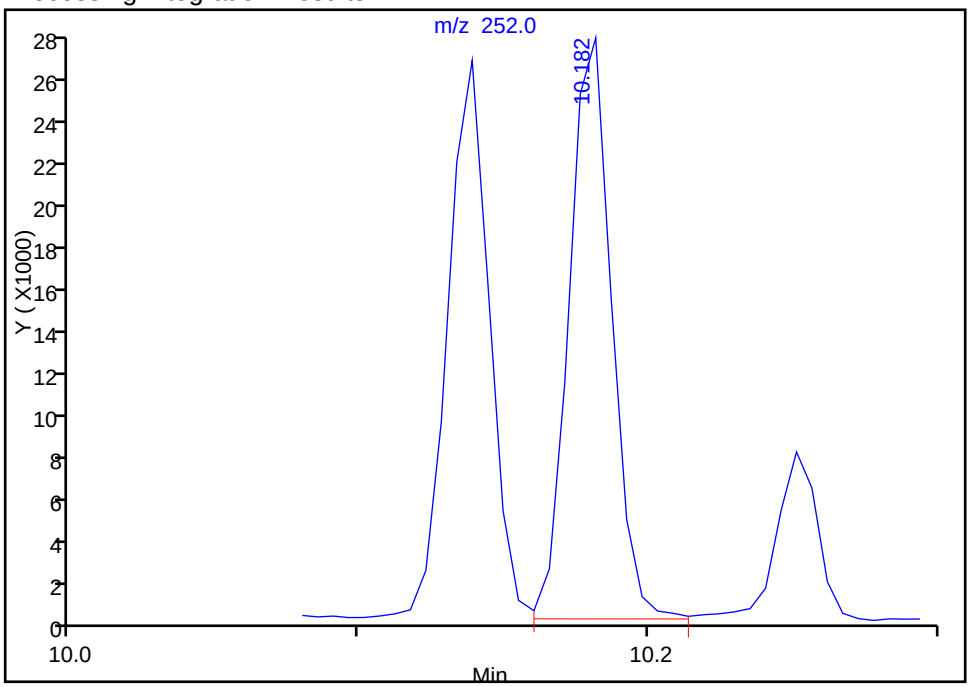
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1718.D				
Injection Date:	17-Oct-2014 15:54:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-46-A	Lab Sample ID:	680-106200-46		
Client ID:	CV0613B-CS12				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	18
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

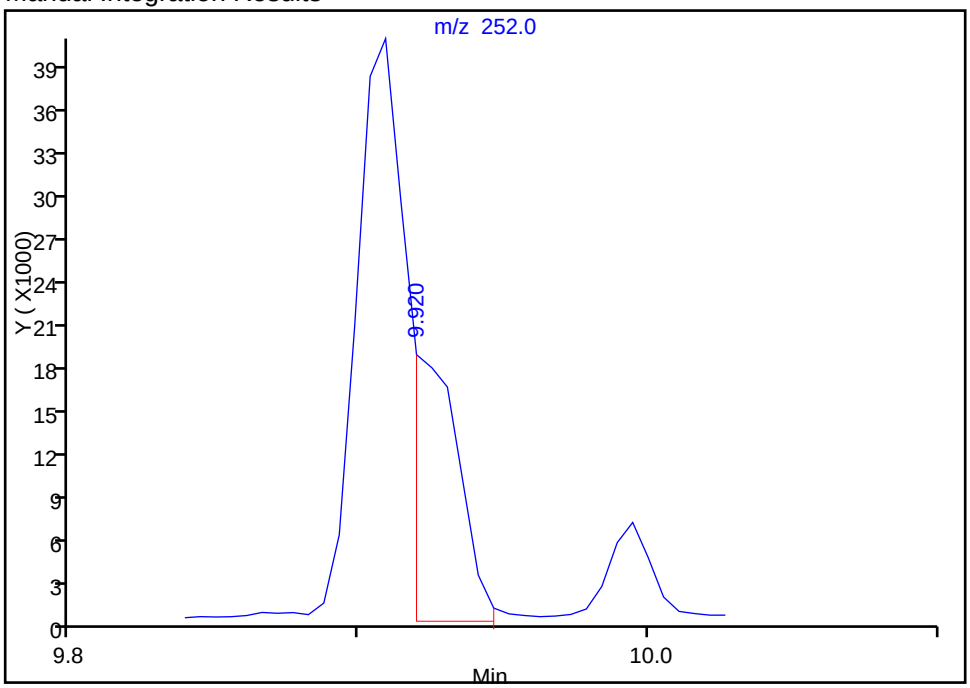
Processing Integration Results

RT: 10.18
Response: 27885
Amount: 0.481691



Manual Integration Results

RT: 9.92
Response: 21321
Amount: 0.368125



Reviewer: webbk, 20-Oct-2014 09:00:48
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0613B-CS18 | Lab Sample ID: 680-106200-47

Matrix: Solid | Lab File ID: 1YJ1719.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 15:10

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

Sample wt/vol: 30.02(g) | Date Analyzed: 10/17/2014 16:16

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

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

% Moisture: 21.3 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.5	U	8.5	4.2
208-96-8	Acenaphthylene	7.2	J	8.5	4.2
120-12-7	Anthracene	11		8.5	4.2
56-55-3	Benzo[a]anthracene	73		8.5	4.2
50-32-8	Benzo[a]pyrene	63		8.5	1.5
205-99-2	Benzo[b]fluoranthene	95		8.5	4.2
191-24-2	Benzo[g,h,i]perylene	50		8.5	4.2
207-08-9	Benzo[k]fluoranthene	42		8.5	2.5
218-01-9	Chrysene	85		8.5	4.2
53-70-3	Dibenz(a,h)anthracene	19		8.5	4.2
206-44-0	Fluoranthene	110		8.5	4.2
86-73-7	Fluorene	8.5	U	8.5	4.2
193-39-5	Indeno[1,2,3-cd]pyrene	32		8.5	4.2
90-12-0	1-Methylnaphthalene	46		8.5	3.9
91-57-6	2-Methylnaphthalene	45		8.5	4.2
91-20-3	Naphthalene	24		8.5	4.2
85-01-8	Phenanthrene	74		8.5	3.0
129-00-0	Pyrene	120		8.5	4.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	93		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D
Lims ID: 680-106200-A-47-A Lab Sample ID: 680-106200-47
Client ID: CV0613B-CS18
Sample Type: Client
Inject. Date: 17-Oct-2014 16:16:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 106200-A-47-A
Misc. Info.: 680-0013845-019
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: RT Order 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 09:02:13

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	126775	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	85	70598	2.00	
* 3 Phenanthrene-d10	188	6.010	6.005	0.006	97	121580	2.00	
* 4 Chrysene-d12	240	8.882	8.877	0.005	98	105986	2.00	
* 5 Perylene-d12	264	10.235	10.225	0.010	97	80538	2.00	
$ 6 o-Terphenyl	230	6.491	6.491	0.000	89	63039	1.86	
7 Naphthalene	128	2.774	2.774	0.000	99	39535	0.5717	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	85	49221	1.07	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	86	46369	1.09	
11 Acenaphthylene	152	4.287	4.288	-0.001	90	11649	0.1703	
15 Phenanthrene	178	6.031	6.031	0.000	96	127199	1.75	
16 Anthracene	178	6.085	6.085	0.000	91	18331	0.2533	
17 Fluoranthene	202	7.331	7.320	0.011	98	209201	2.71	
18 Pyrene	202	7.561	7.556	0.005	97	192495	2.78	
19 Benzo[a]anthracene	228	8.877	8.866	0.011	97	107508	1.73	
20 Chrysene	228	8.909	8.903	0.006	94	117063	2.00	
21 Benzo[b]fluoranthene	252	9.914	9.904	0.010	98	118331	2.23	M
22 Benzo[k]fluoranthene	252	9.925	9.930	-0.005	98	51435	1.00	M
23 Benzo[a]pyrene	252	10.187	10.176	0.011	97	65262	1.50	
24 Indeno[1,2,3-cd]pyrene	276	11.075	11.070	0.005	99	43335	0.7447	
25 Dibenz(a,h)anthracene	278	11.096	11.091	0.005	30	17041	0.4474	
26 Benzo[g,h,i]perylene	276	11.283	11.273	0.010	86	47067	1.18	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

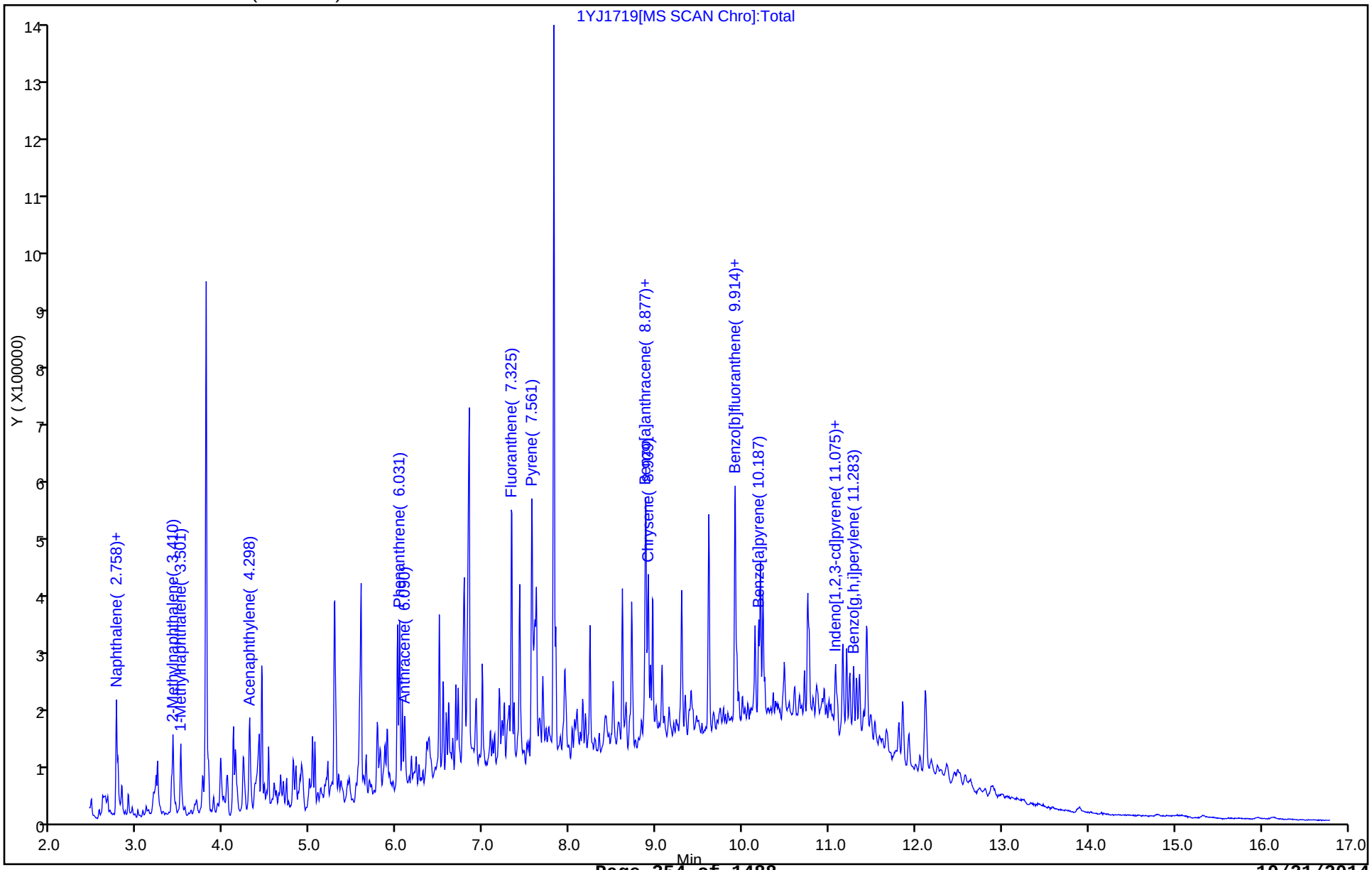
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

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

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47	Worklist Smp#:	19
Client ID:	CV0613B-CS18				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

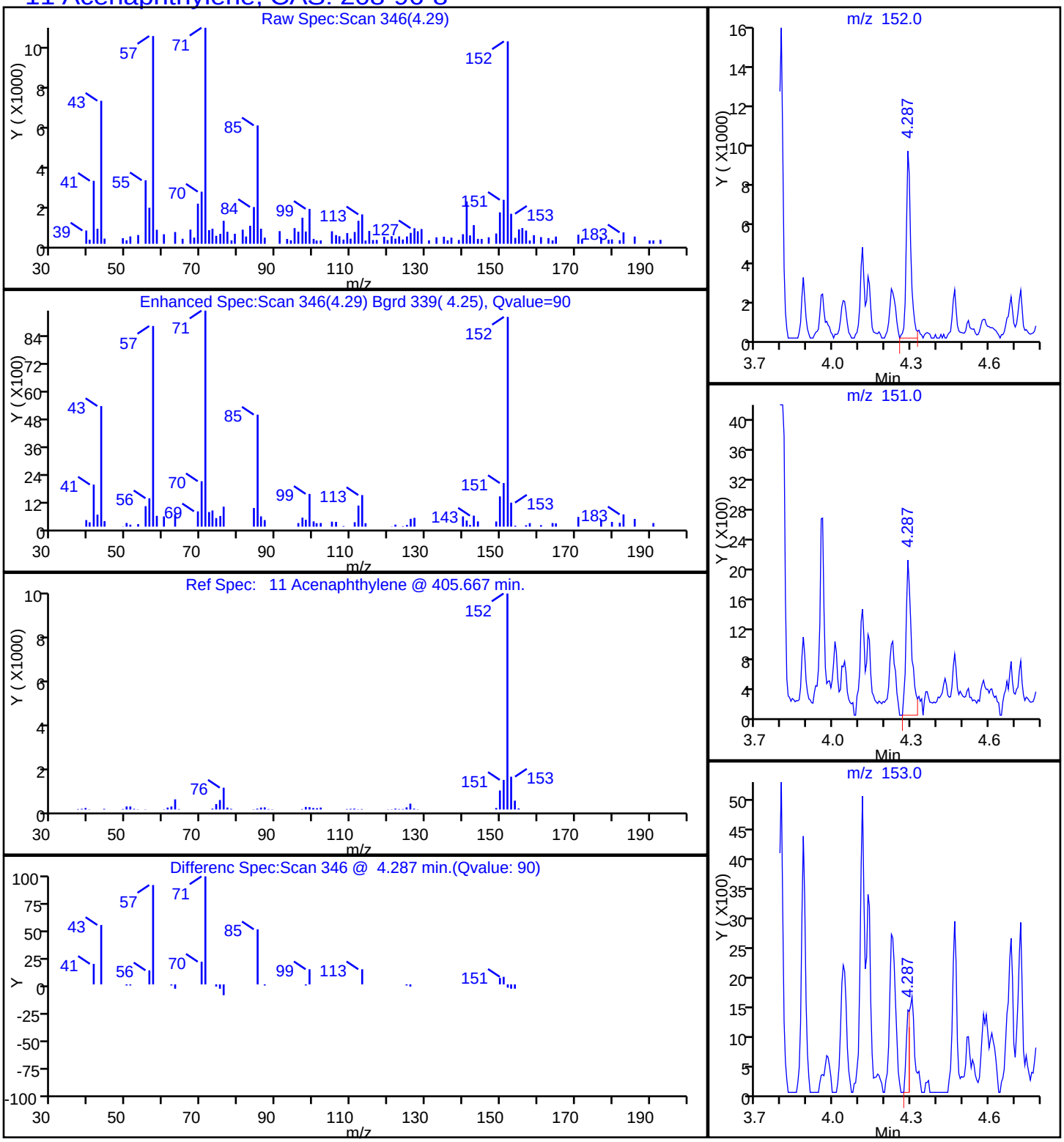


Report Date: 20-Oct-2014 09:22:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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		

11 Acenaphthylene, CAS: 208-96-8

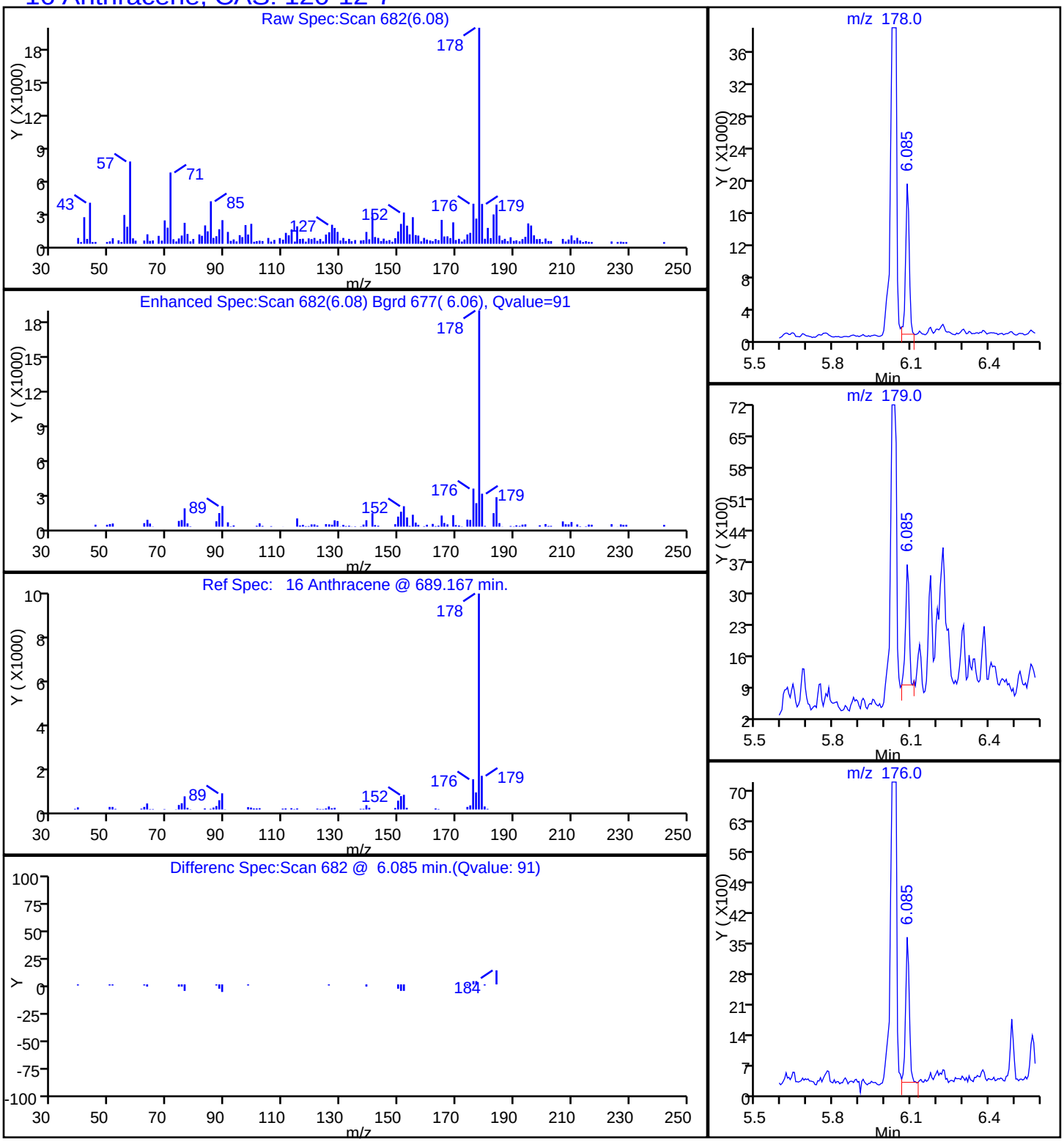


Report Date: 20-Oct-2014 09:22:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

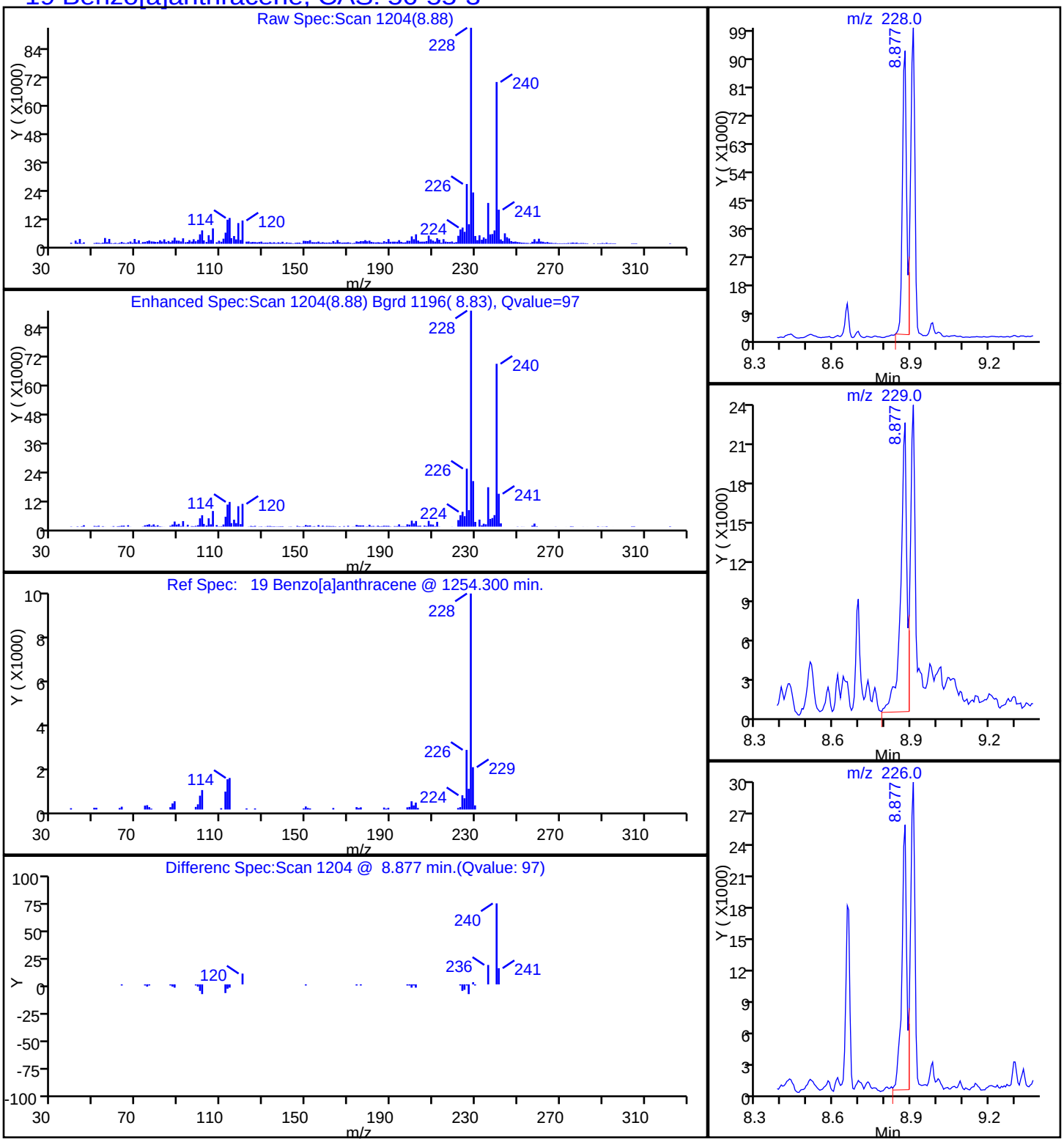


Report Date: 20-Oct-2014 09:22:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

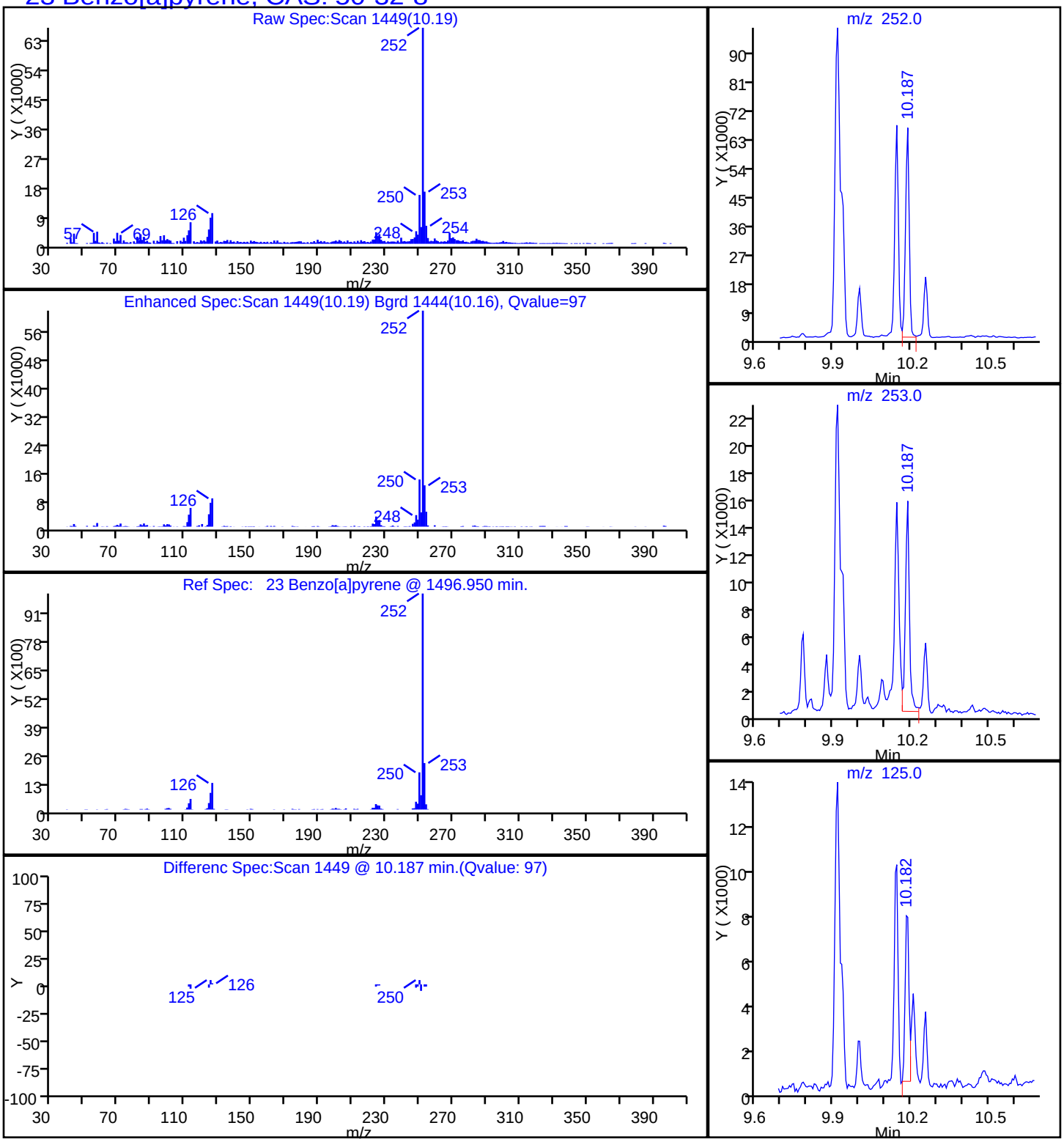


Report Date: 20-Oct-2014 09:22:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

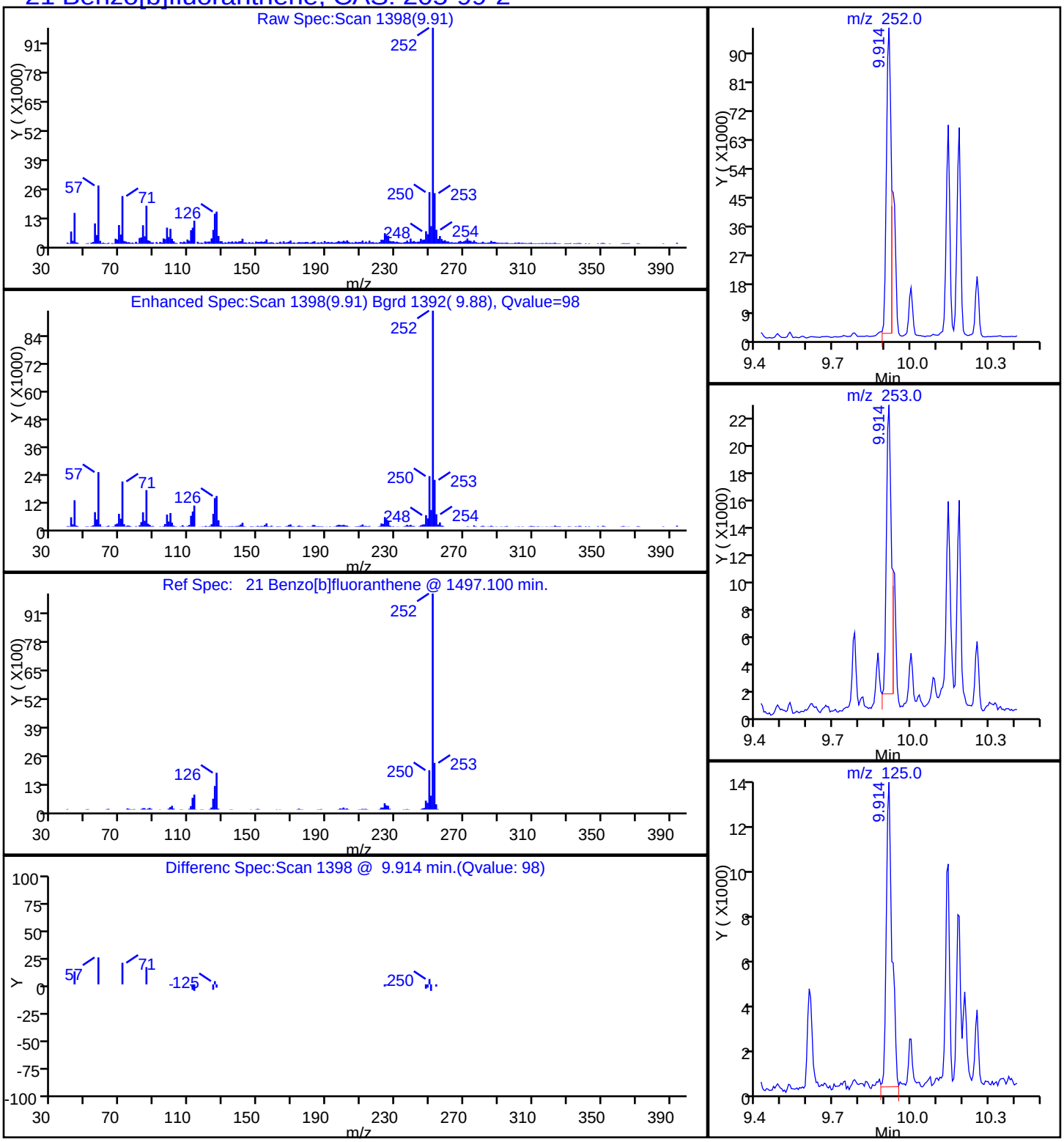


Report Date: 20-Oct-2014 09:22:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

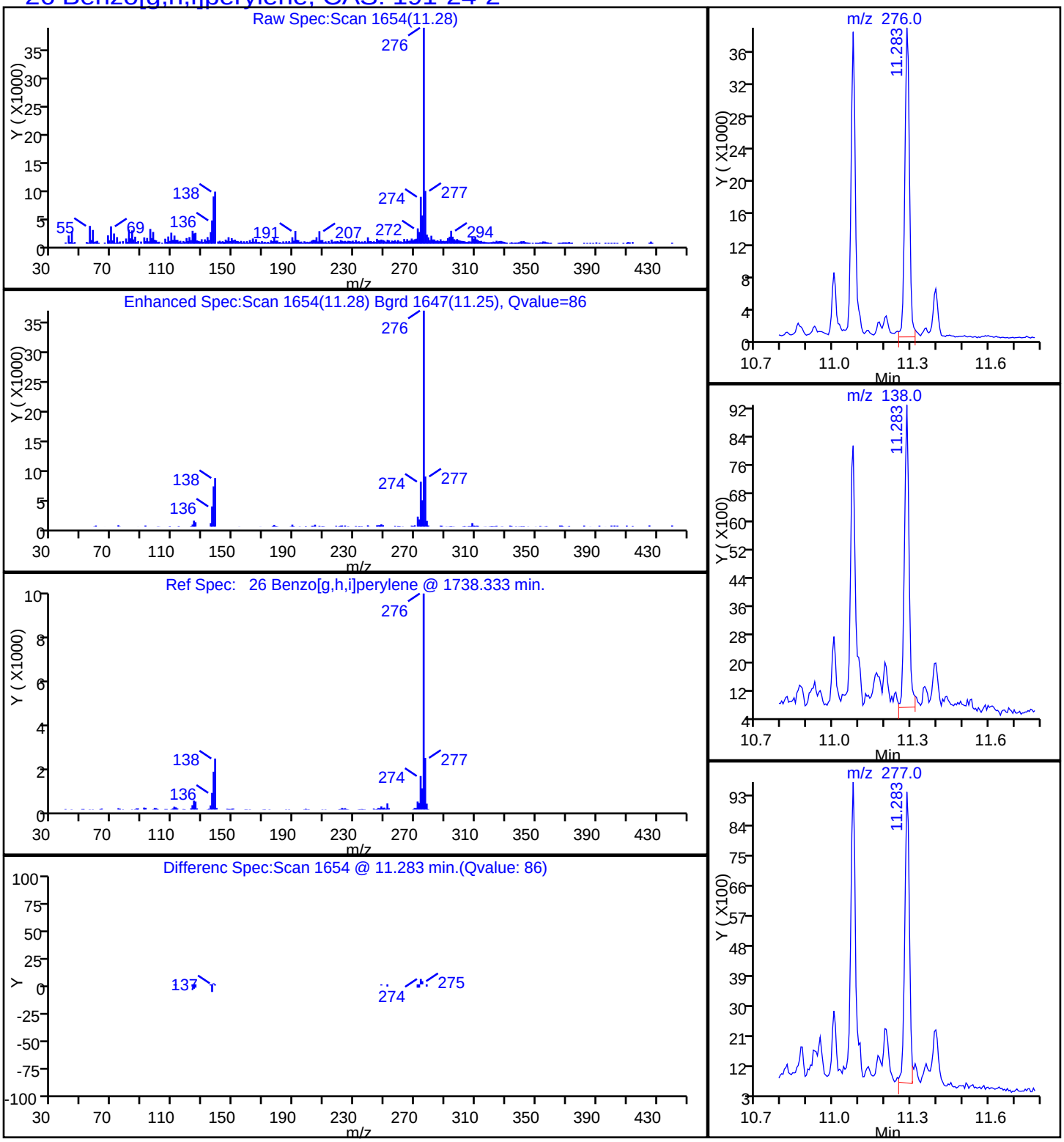


Report Date: 20-Oct-2014 09:22:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

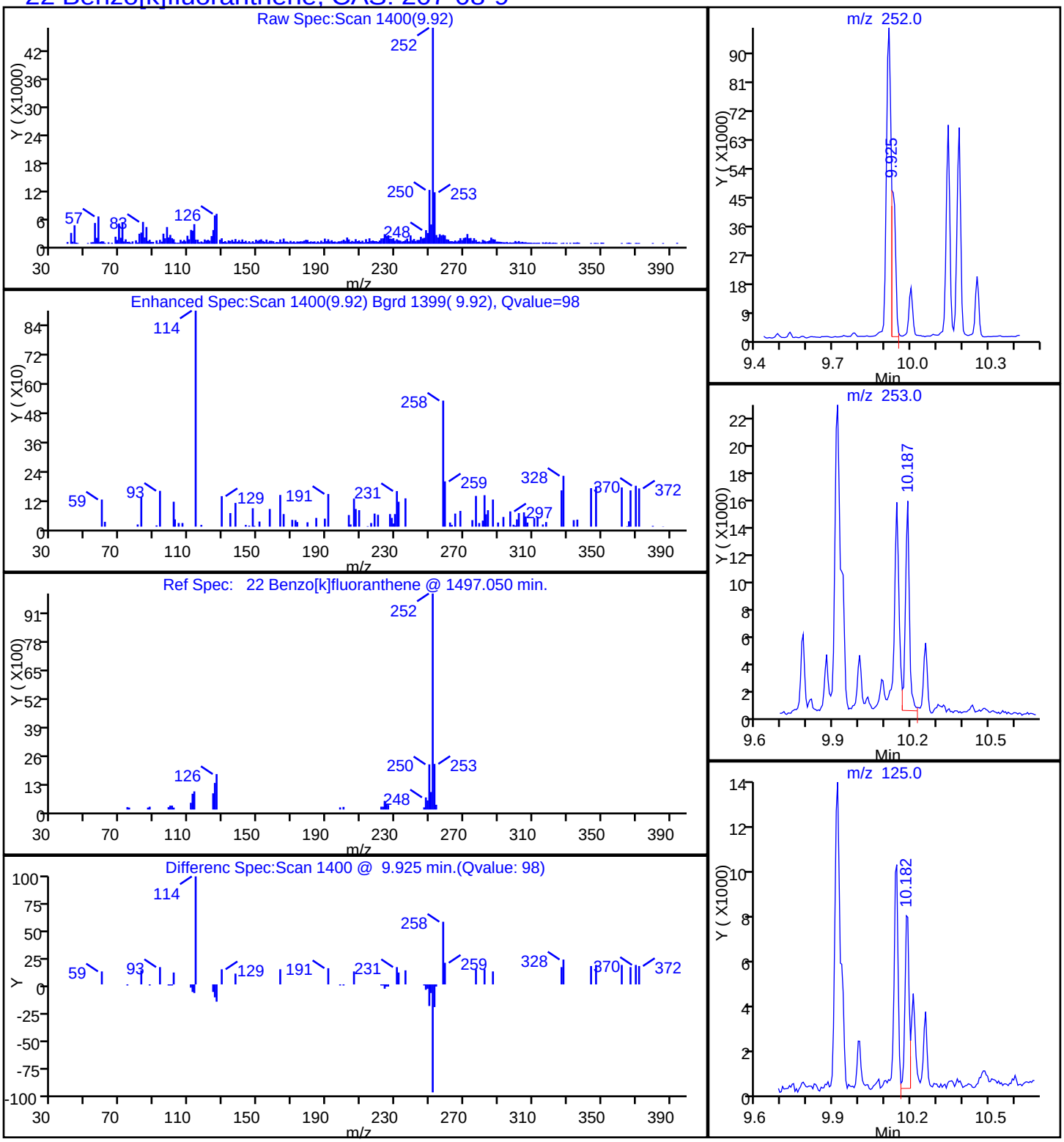


Report Date: 20-Oct-2014 09:22:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

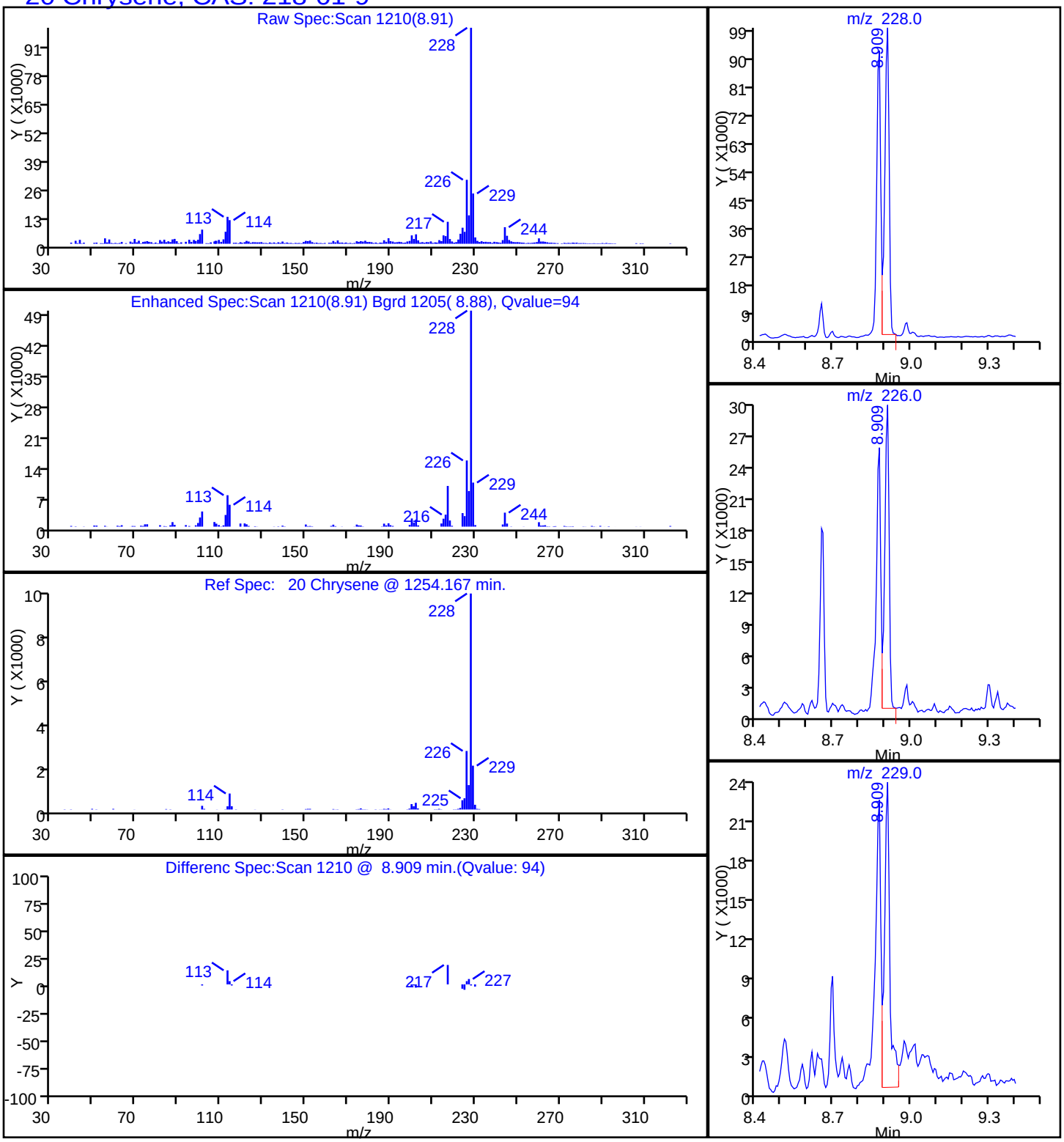


Report Date: 20-Oct-2014 09:22:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

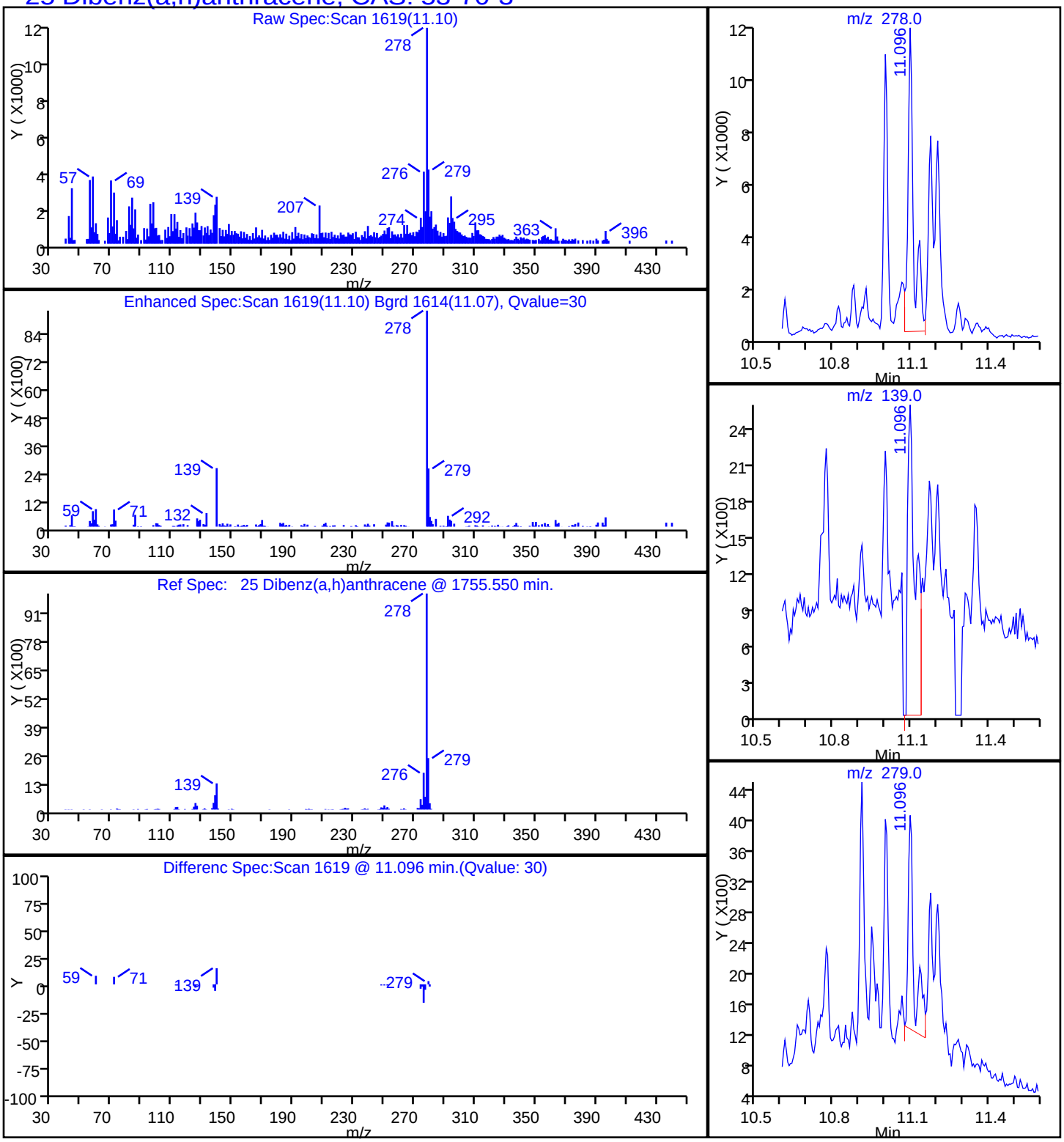


Report Date: 20-Oct-2014 09:22:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

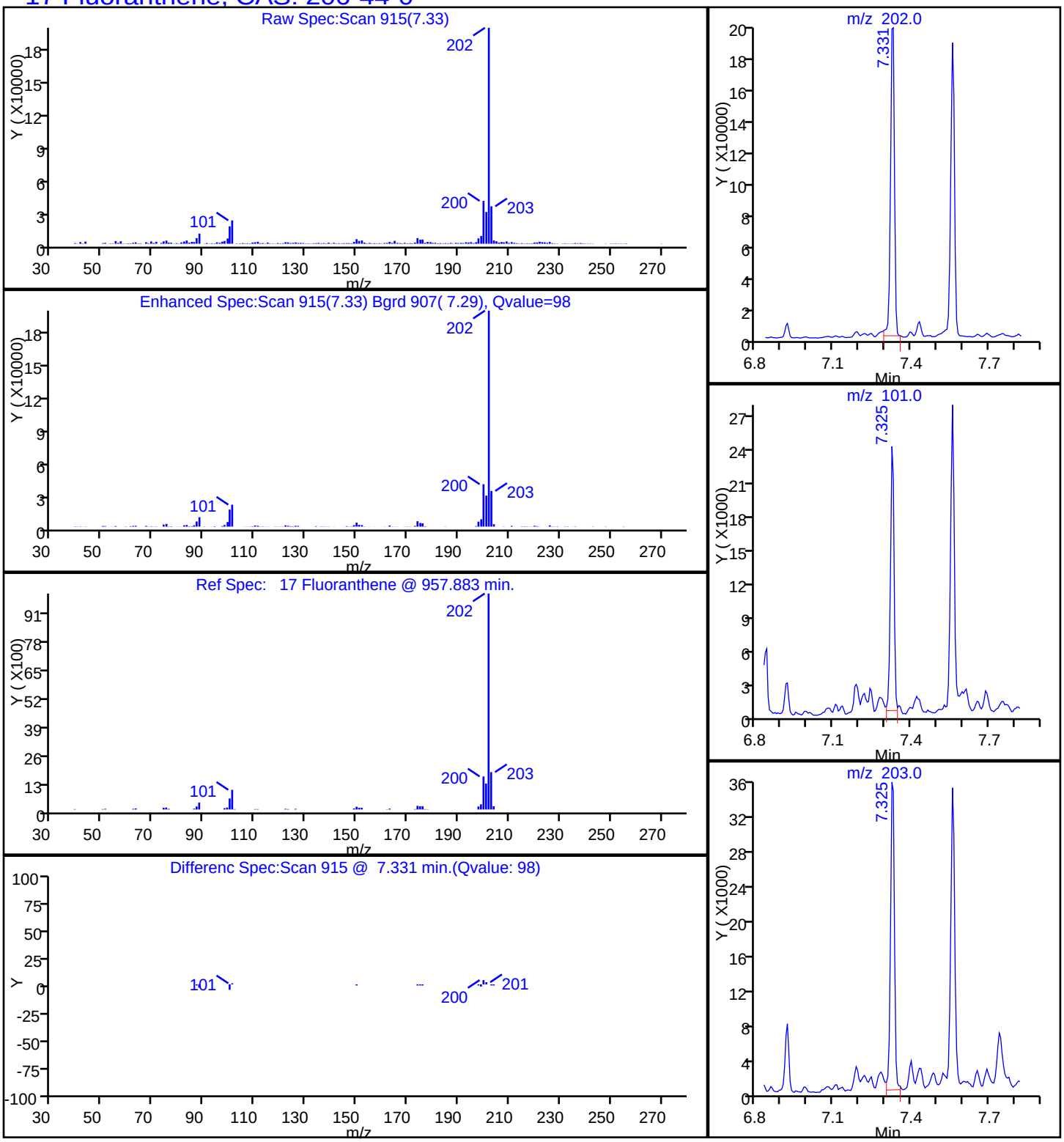


Report Date: 20-Oct-2014 09:22:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

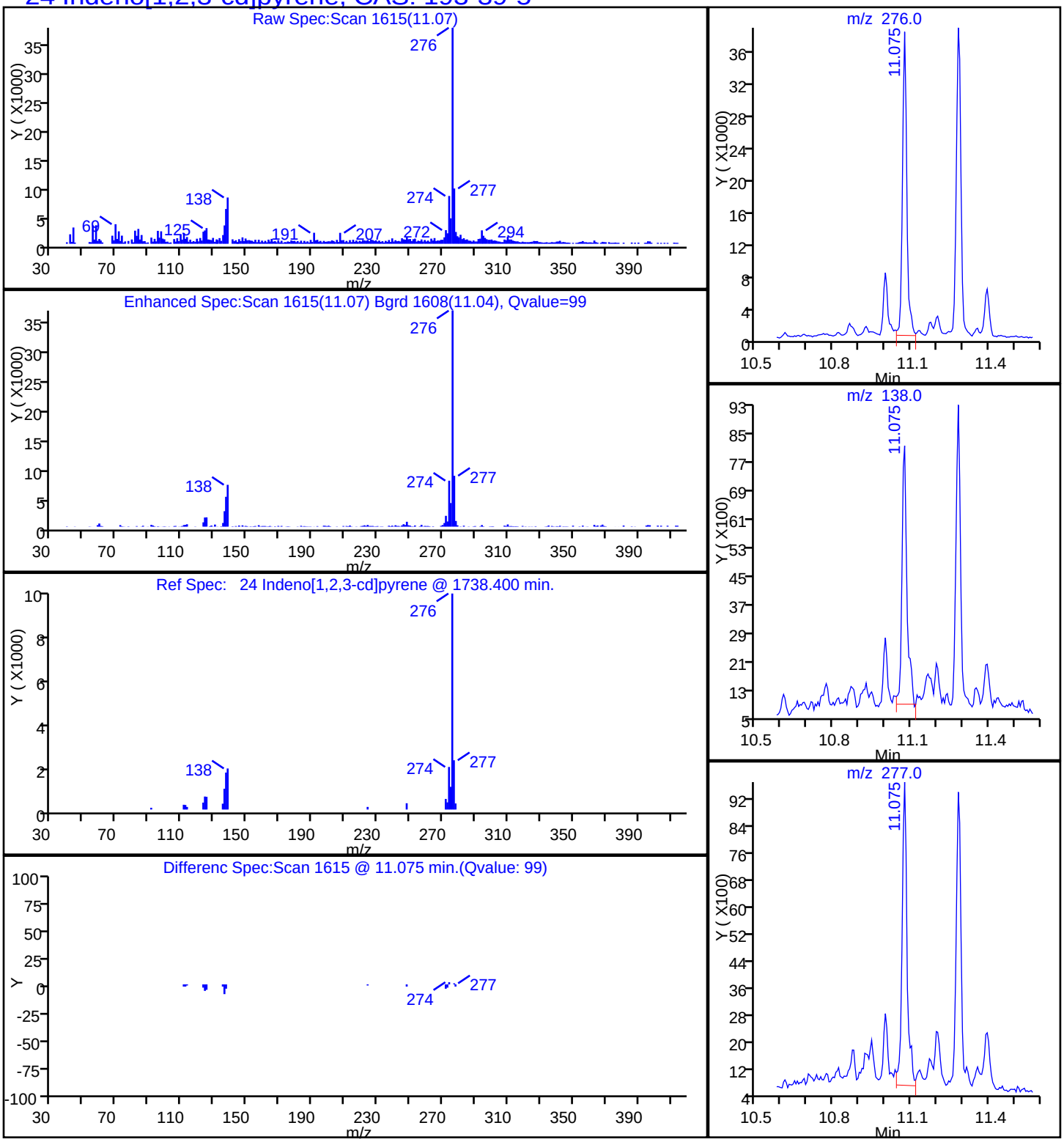


Report Date: 20-Oct-2014 09:22:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

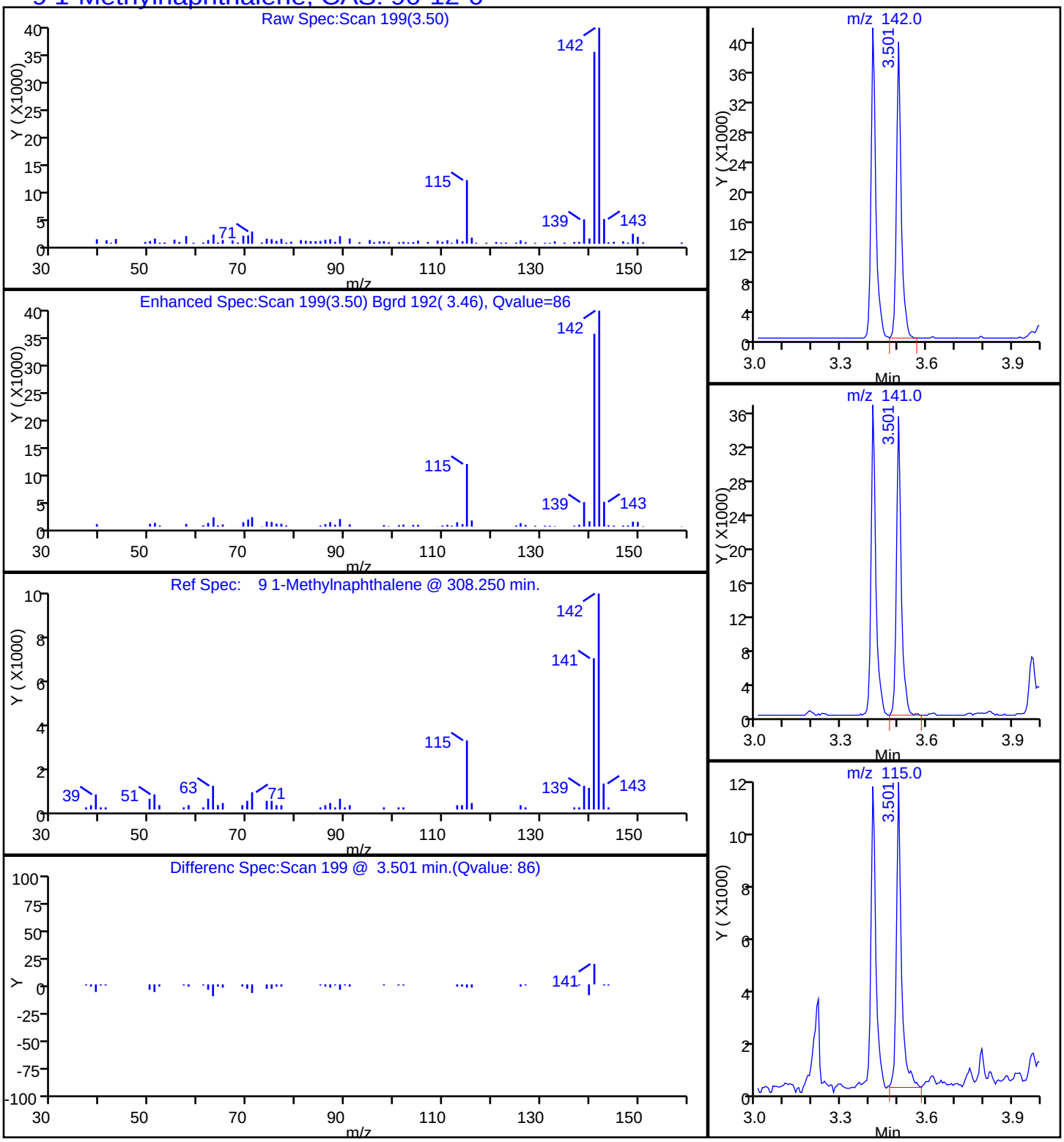


Report Date: 20-Oct-2014 09:22:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

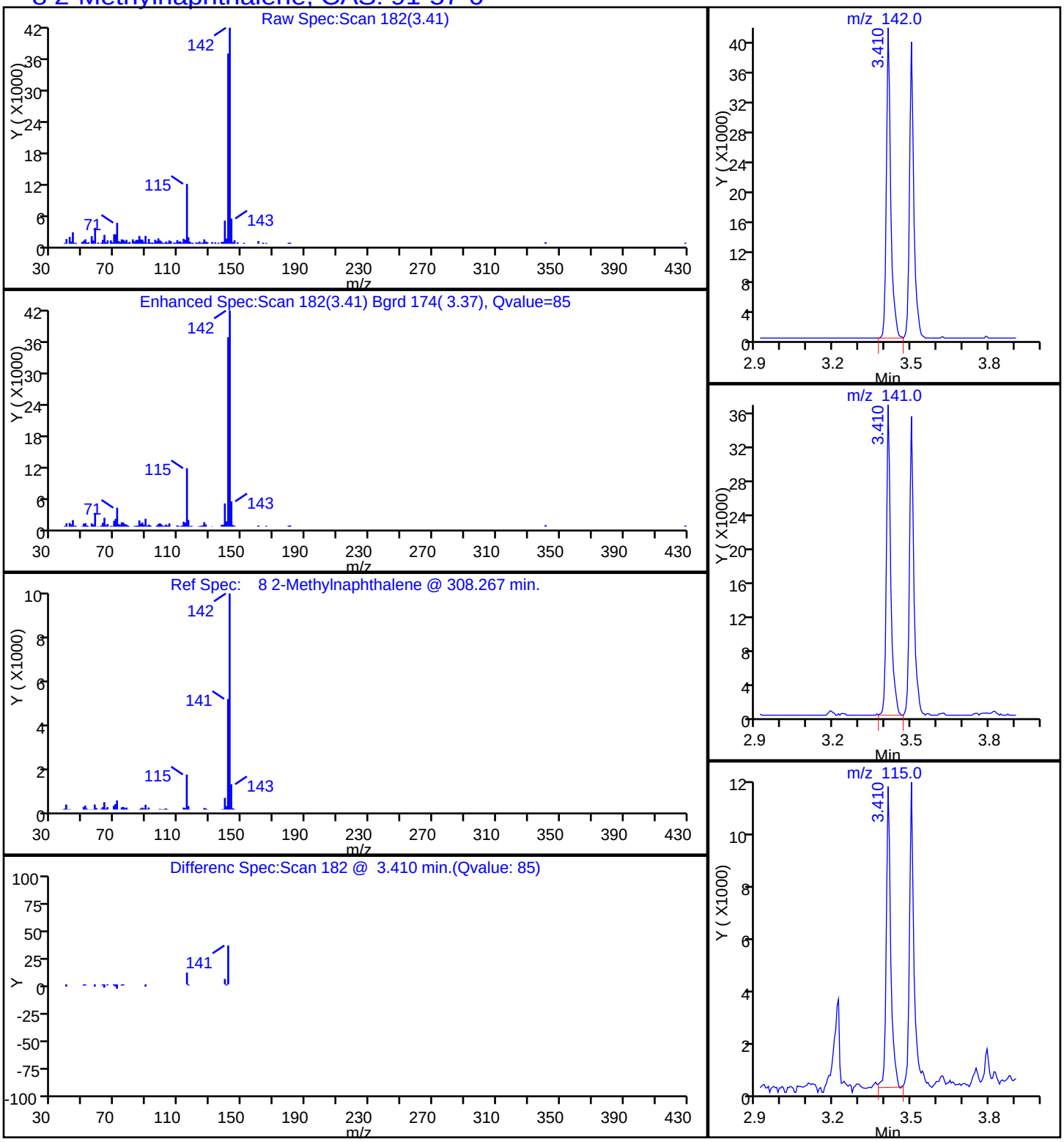


Report Date: 20-Oct-2014 09:22:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

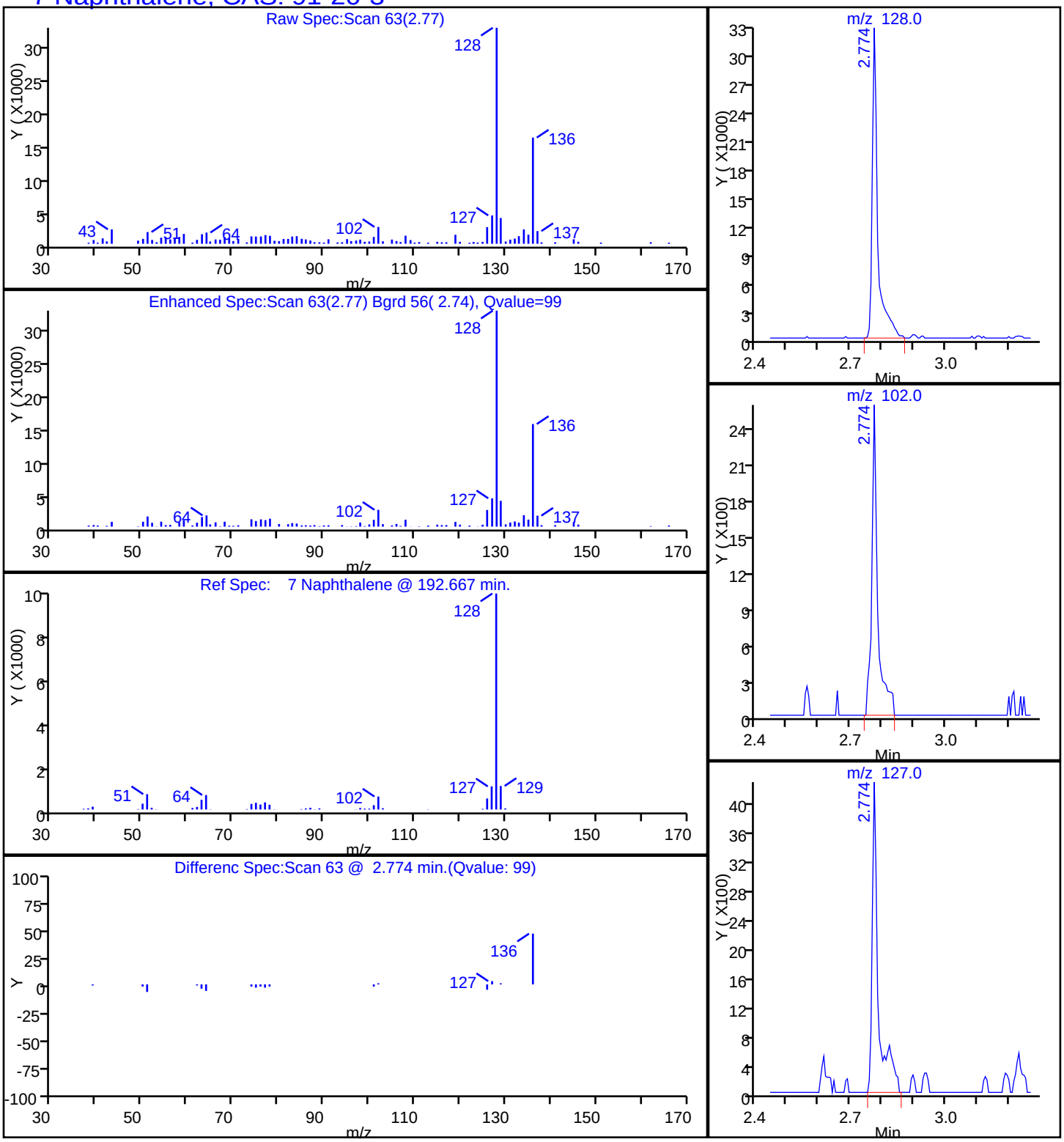


Report Date: 20-Oct-2014 09:22:09 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

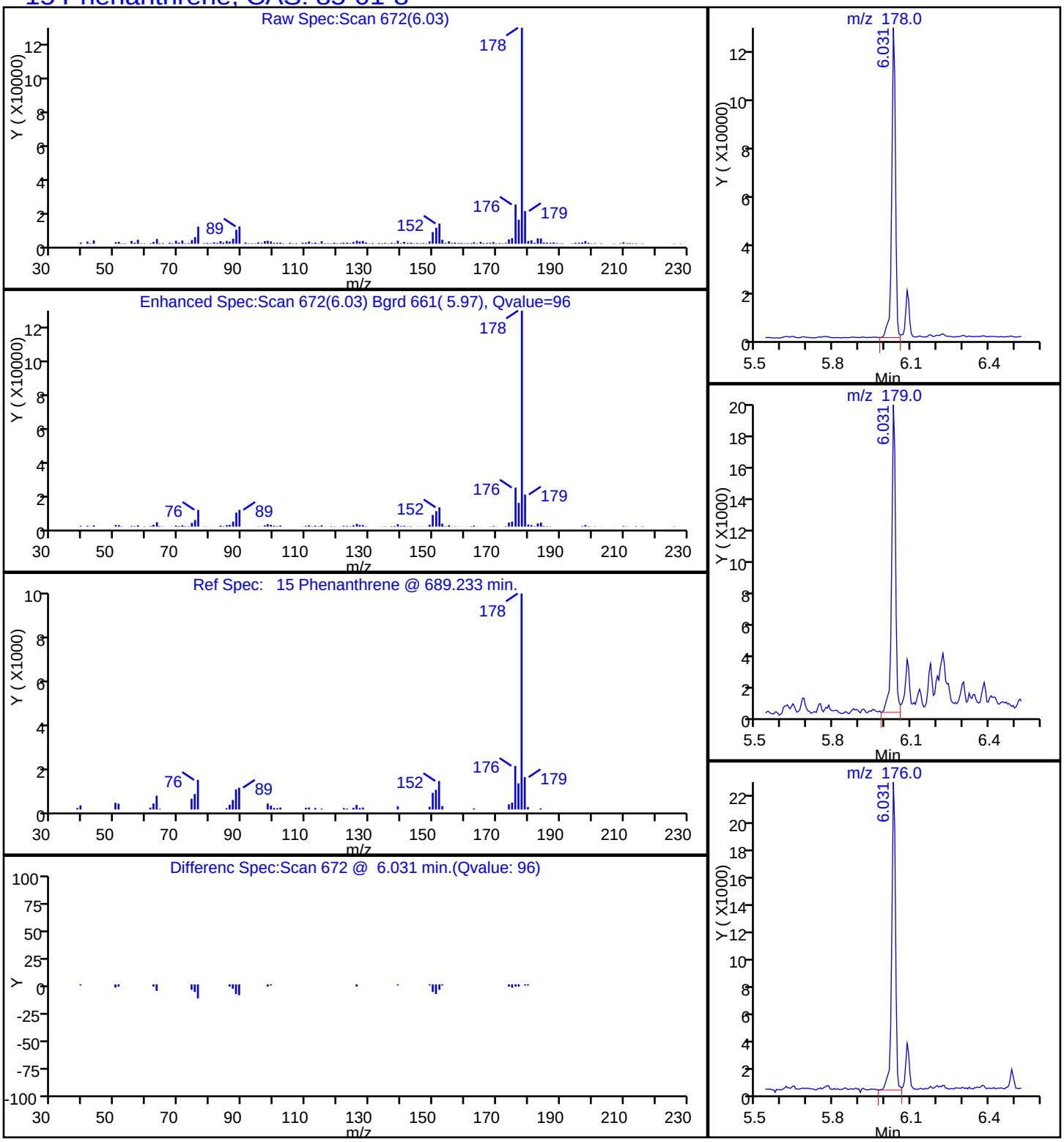


Report Date: 20-Oct-2014 09:22:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

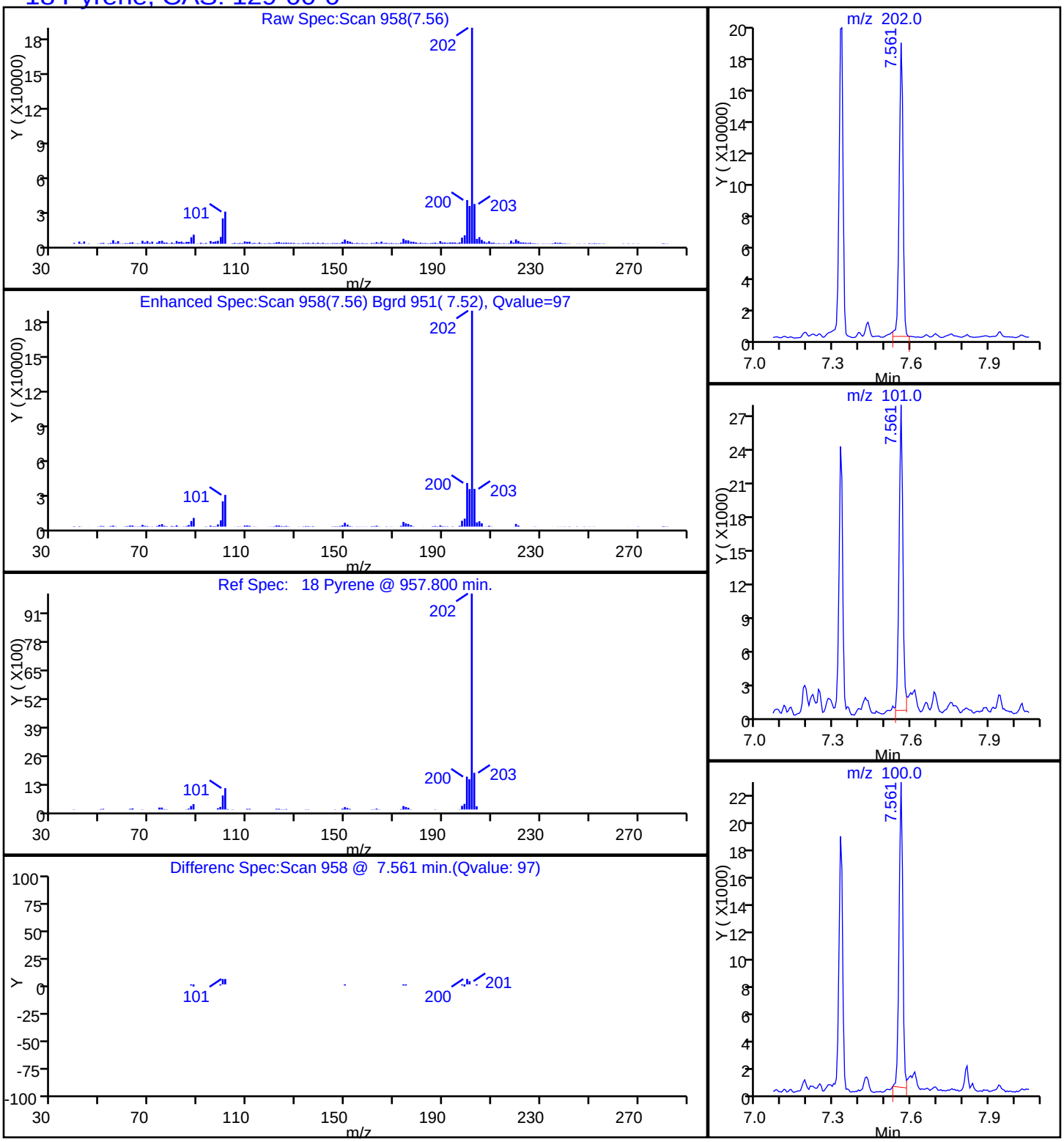


Report Date: 20-Oct-2014 09:22:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

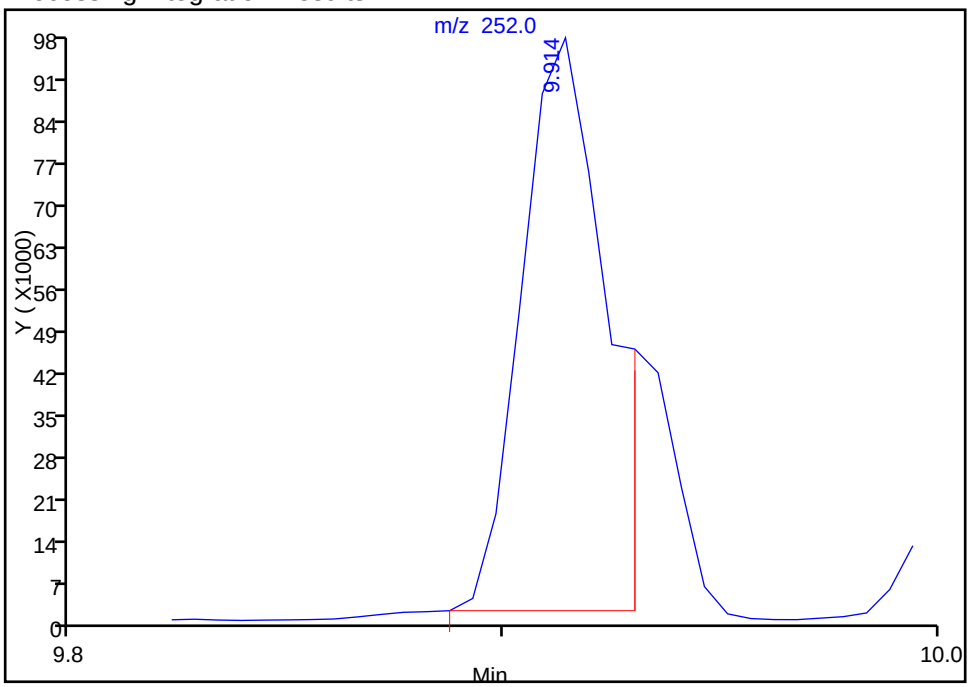
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

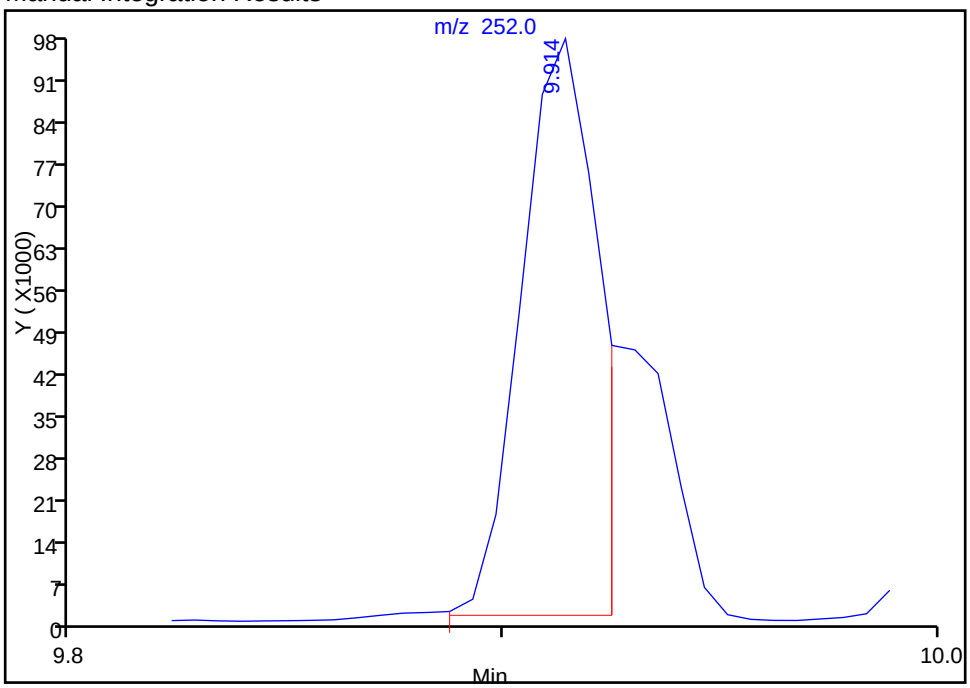
Processing Integration Results

RT: 9.91
Response: 130535
Amount: 2.464297



Manual Integration Results

RT: 9.91
Response: 118331
Amount: 2.233905



Reviewer: webbk, 20-Oct-2014 09:02:13
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

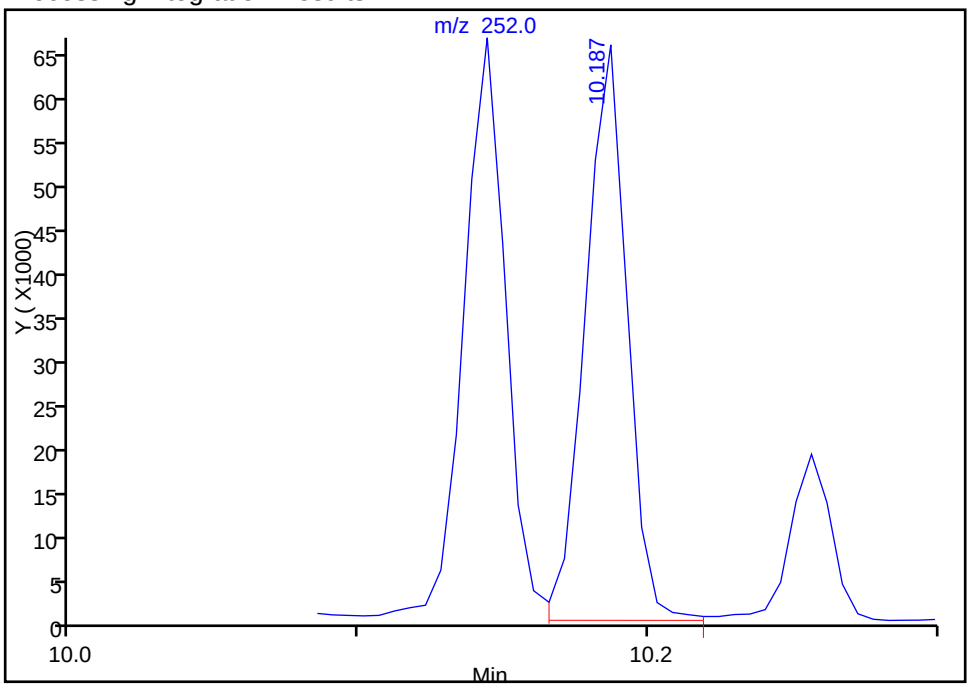
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1719.D				
Injection Date:	17-Oct-2014 16:16:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-47-A	Lab Sample ID:	680-106200-47		
Client ID:	CV0613B-CS18				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	19
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

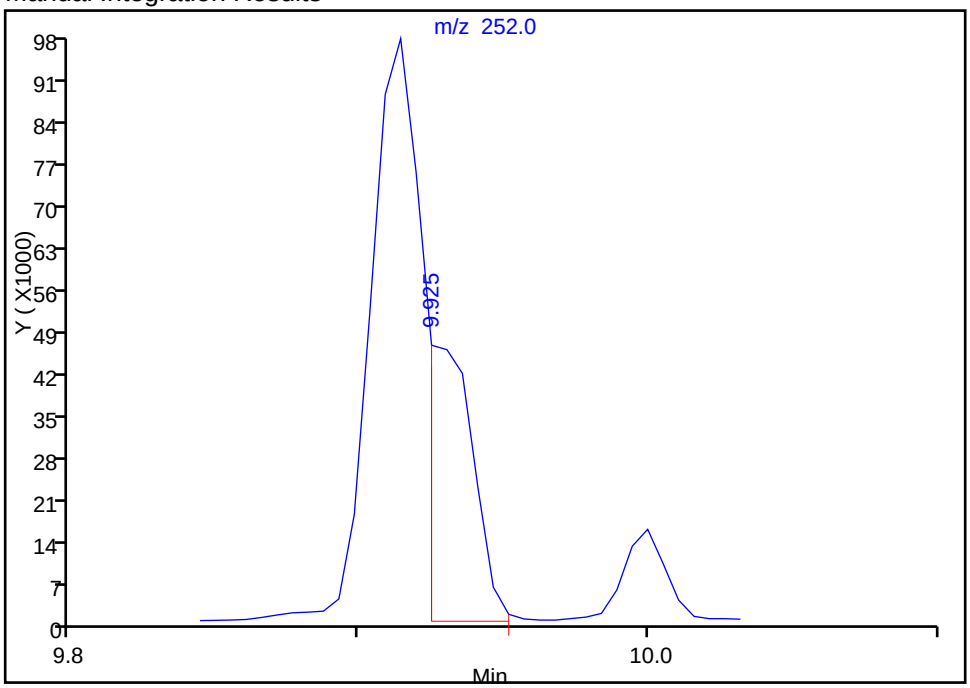
Processing Integration Results

RT: 10.19
Response: 65652
Amount: 1.281537



Manual Integration Results

RT: 9.92
Response: 51435
Amount: 1.002827



Reviewer: webbk, 20-Oct-2014 09:02:13
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0613B-CS24 | Lab Sample ID: 680-106200-48

Matrix: Solid | Lab File ID: 1YJ1720.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/07/2014 15:20

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

Sample wt/vol: 30.02(g) | Date Analyzed: 10/17/2014 16:39

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

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

% Moisture: 10.4 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.5	U	7.5	3.7
208-96-8	Acenaphthylene	7.5	U	7.5	3.7
120-12-7	Anthracene	7.5	U	7.5	3.7
56-55-3	Benzo[a]anthracene	8.5		7.5	3.7
50-32-8	Benzo[a]pyrene	8.0		7.5	1.3
205-99-2	Benzo[b]fluoranthene	12		7.5	3.7
191-24-2	Benzo[g,h,i]perylene	7.4	J	7.5	3.7
207-08-9	Benzo[k]fluoranthene	4.9	J	7.5	2.2
218-01-9	Chrysene	9.8		7.5	3.7
53-70-3	Dibenz(a,h)anthracene	7.5	U	7.5	3.7
206-44-0	Fluoranthene	9.8		7.5	3.7
86-73-7	Fluorene	7.5	U	7.5	3.7
193-39-5	Indeno[1,2,3-cd]pyrene	5.2	J	7.5	3.7
90-12-0	1-Methylnaphthalene	4.1	J	7.5	3.5
91-57-6	2-Methylnaphthalene	3.9	J	7.5	3.7
91-20-3	Naphthalene	7.5	U	7.5	3.7
85-01-8	Phenanthrene	6.7	J	7.5	2.7
129-00-0	Pyrene	11		7.5	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	104		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Sample Type:	Client				
Inject. Date:	17-Oct-2014 16:39:30	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	106200-A-48-A				
Misc. Info.:	680-0013845-020				
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 09:04:00		

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	132497	2.00	
* 2 Acenaphthene-d10	164	4.442	4.437	0.005	91	73279	2.00	
* 3 Phenanthrene-d10	188	6.004	6.005	0.000	98	129529	2.00	
* 4 Chrysene-d12	240	8.877	8.877	-0.001	99	107047	2.00	
* 5 Perylene-d12	264	10.230	10.225	0.005	99	86380	2.00	
$ 6 o-Terphenyl	230	6.491	6.491	0.000	91	71390	2.08	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	88	5033	0.1050	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	90	4886	0.1099	
15 Phenanthrene	178	6.031	6.031	0.000	96	13865	0.1789	
16 Anthracene	178	6.085	6.085	0.000	51	2447	0.0317	7
17 Fluoranthene	202	7.320	7.320	0.000	98	21723	0.2644	
18 Pyrene	202	7.555	7.556	-0.001	98	21221	0.3028	
19 Benzo[a]anthracene	228	8.871	8.866	0.005	97	14254	0.2277	
20 Chrysene	228	8.903	8.903	0.000	99	15718	0.2631	
21 Benzo[b]fluoranthene	252	9.903	9.904	-0.001	99	18043	0.3176	M
22 Benzo[k]fluoranthene	252	9.919	9.930	-0.011	98	7273	0.1317	M
23 Benzo[a]pyrene	252	10.182	10.176	0.006	98	10069	0.2155	
24 Indeno[1,2,3-cd]pyrene	276	11.069	11.070	-0.001	99	8230	0.1400	
25 Dibenz(a,h)anthracene	278	11.091	11.091	0.000	93	3439	0.0842	
26 Benzo[g,h,i]perylene	276	11.278	11.273	0.005	97	8464	0.1988	

QC Flag Legend

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

Reagents:

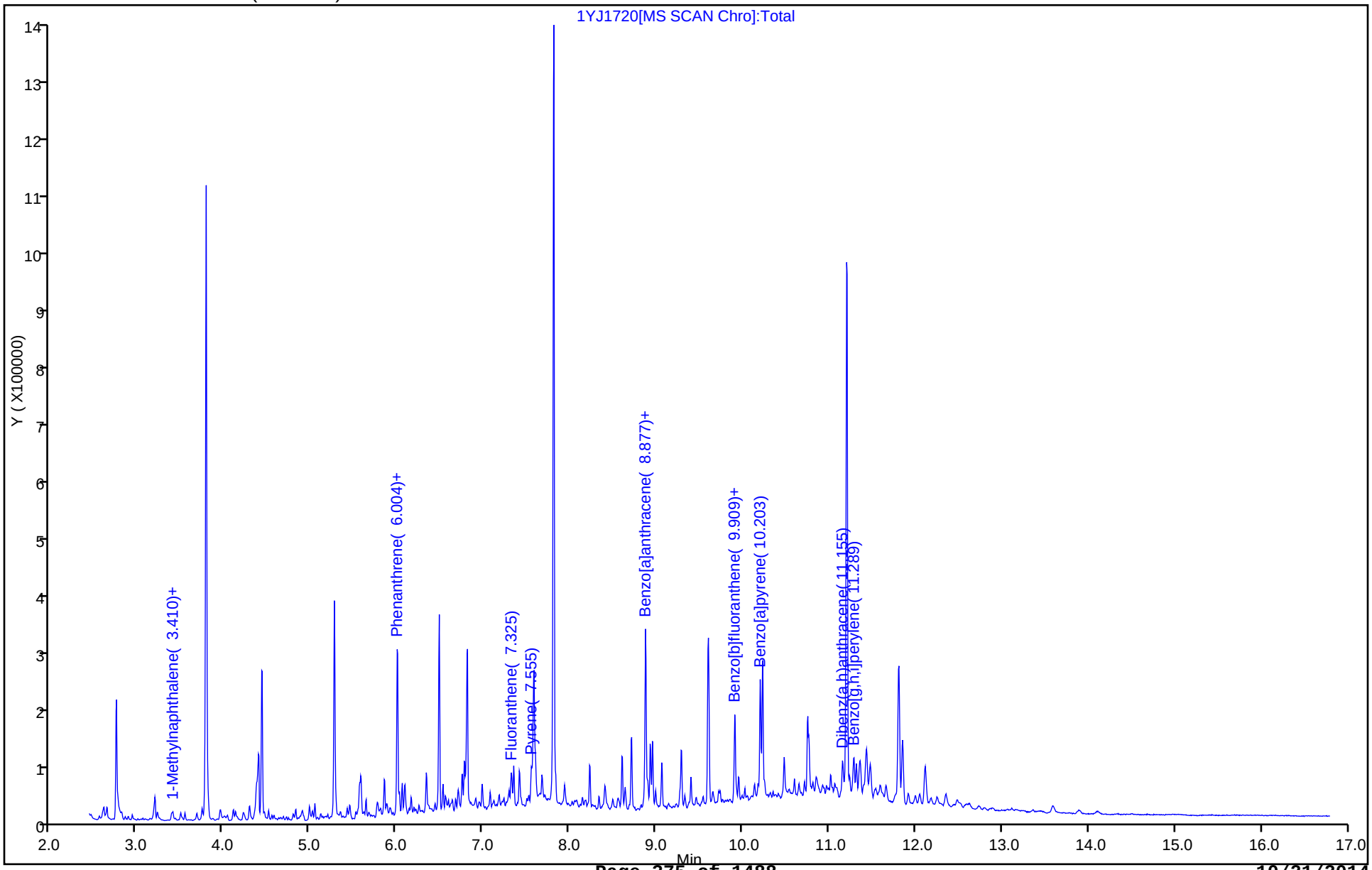
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48	Worklist Smp#:	20
Client ID:	CV0613B-CS24				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

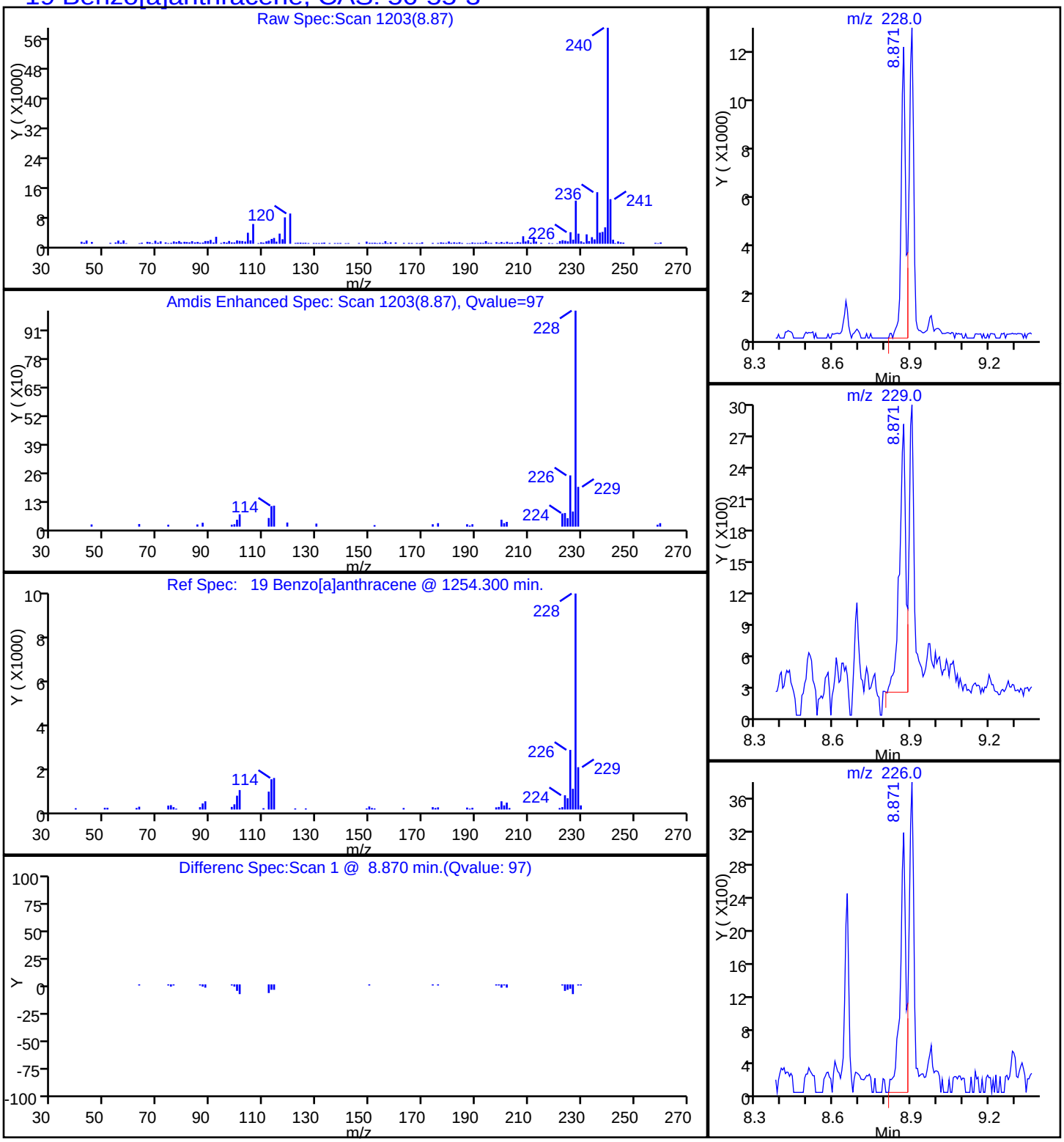


Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

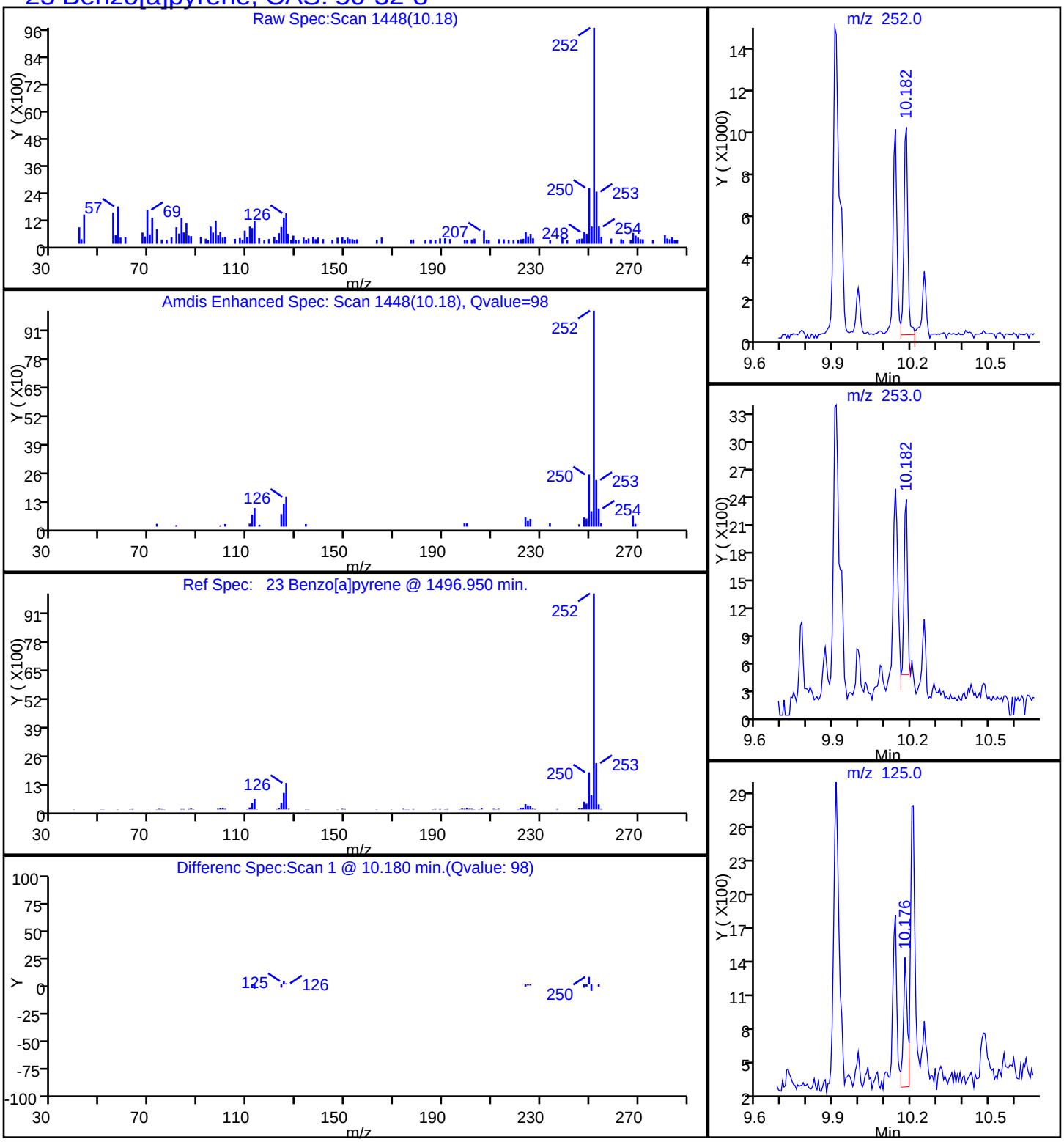


Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

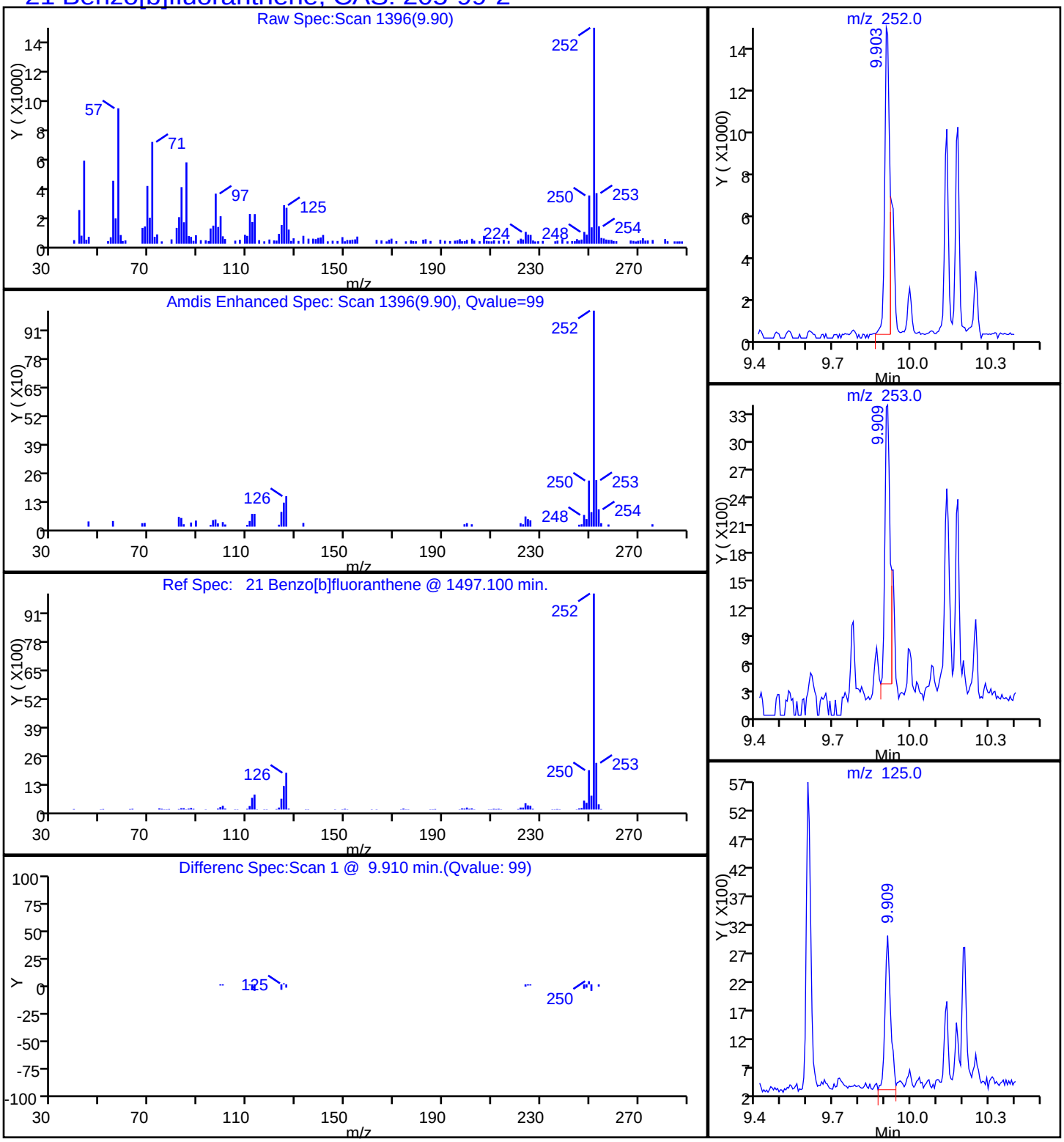


Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

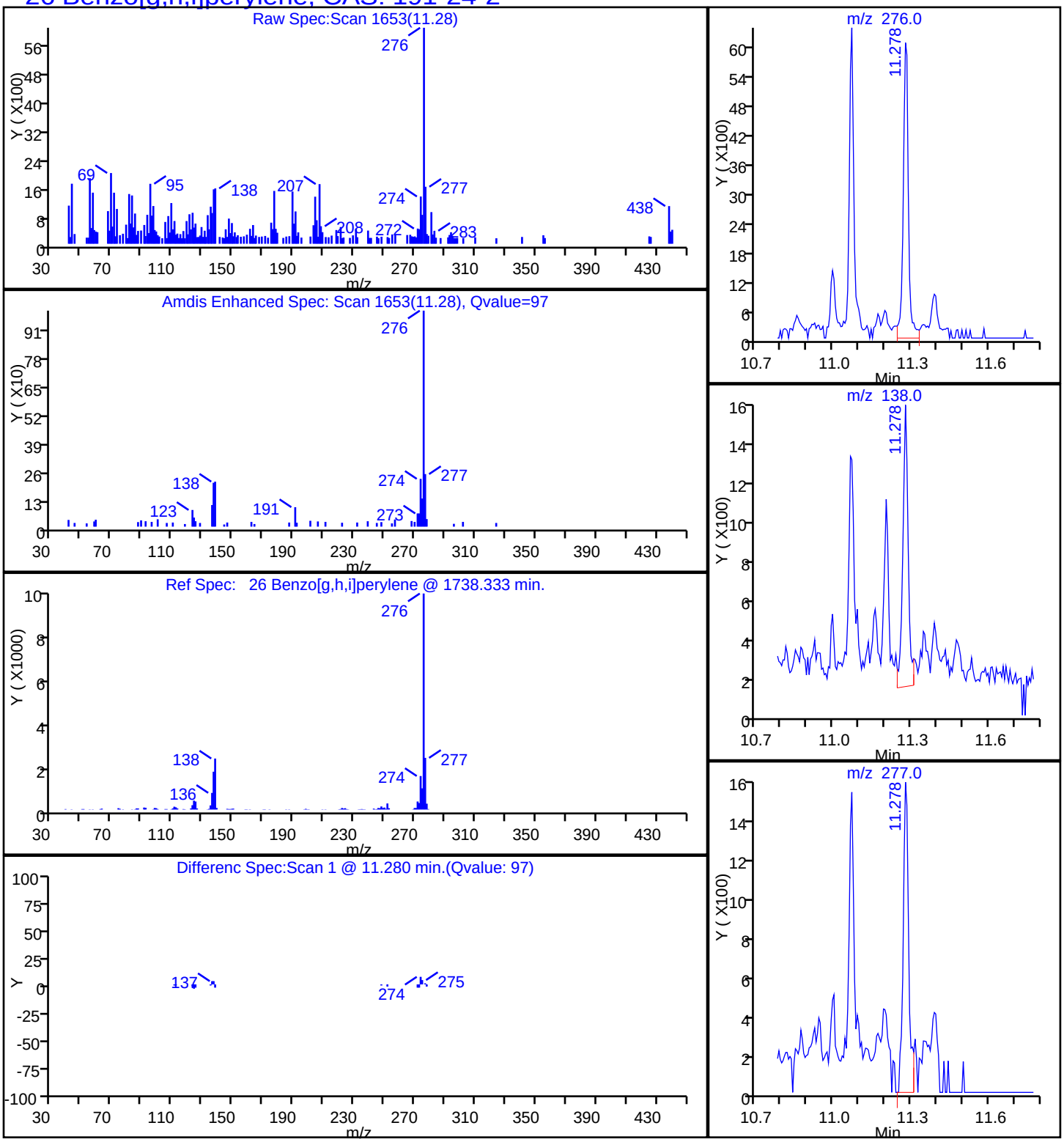


Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

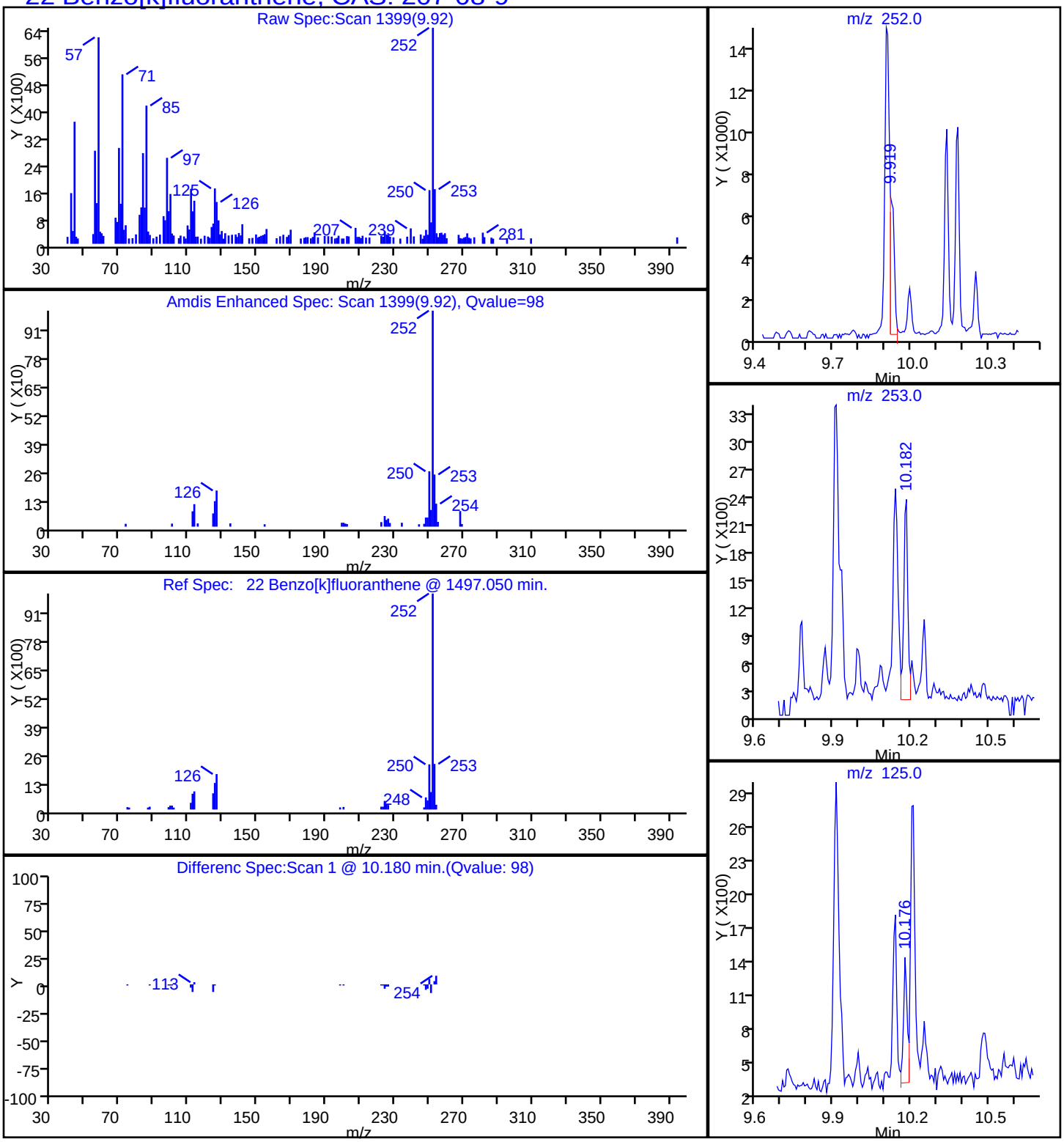


Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

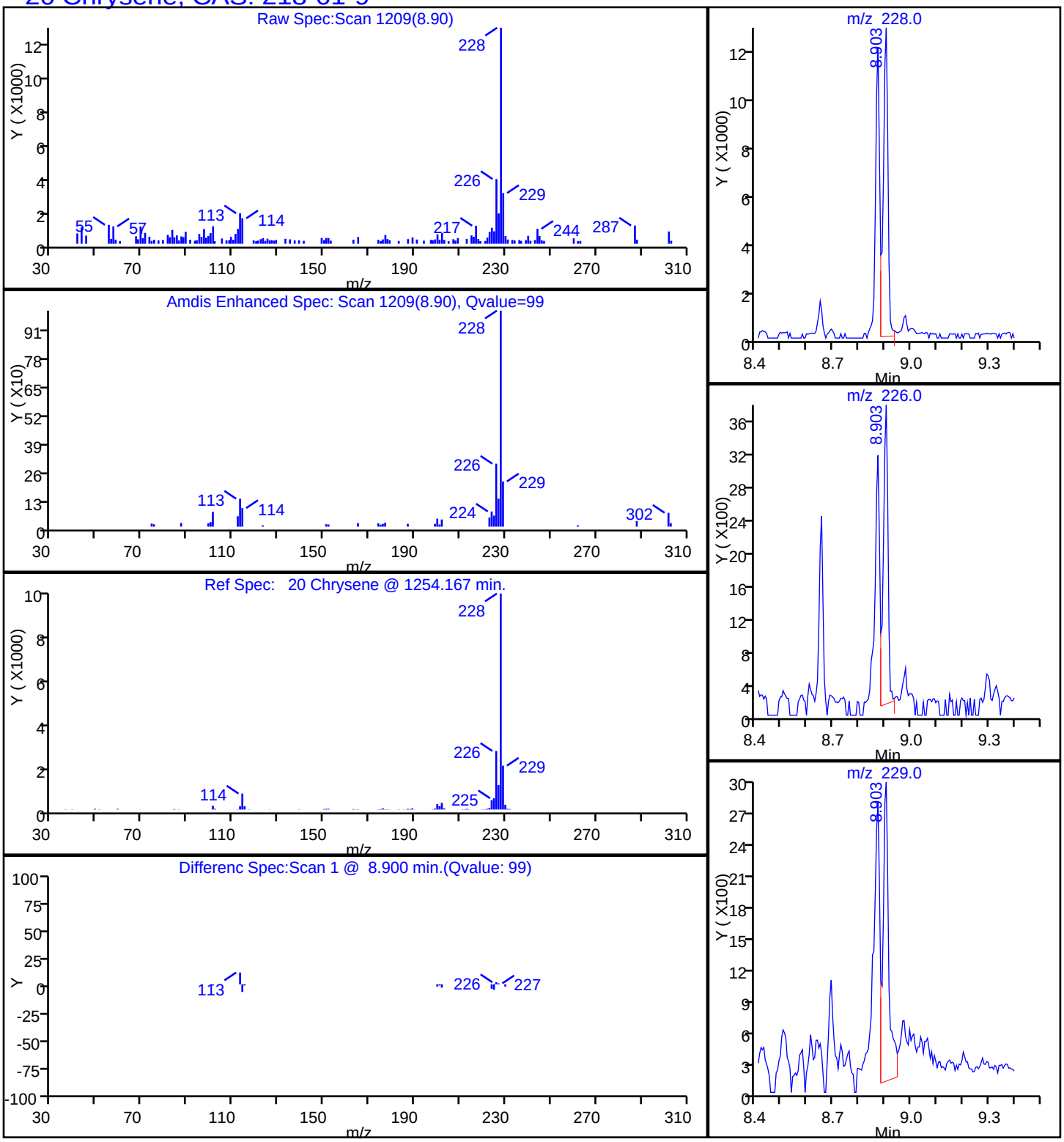


Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

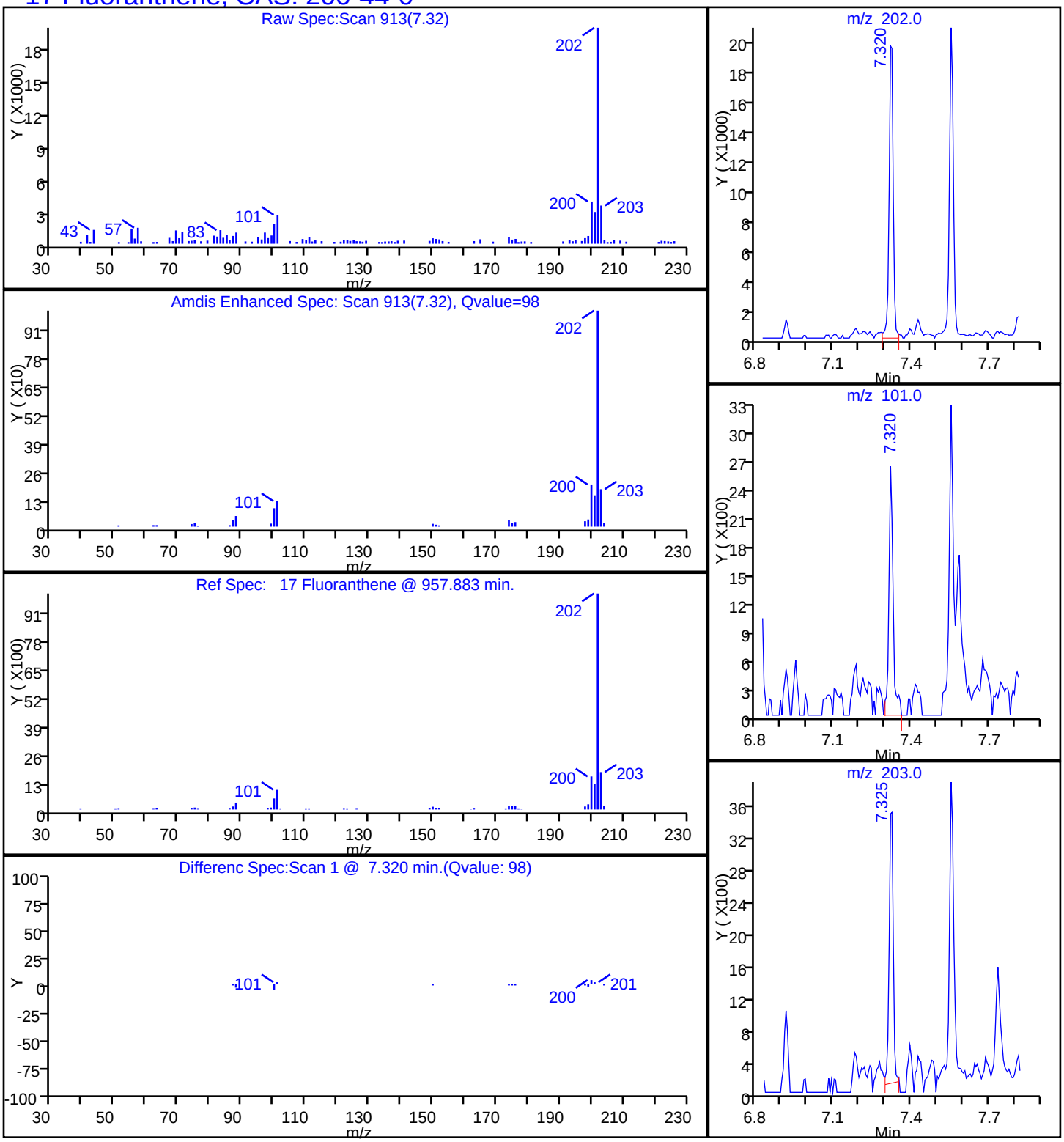


Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

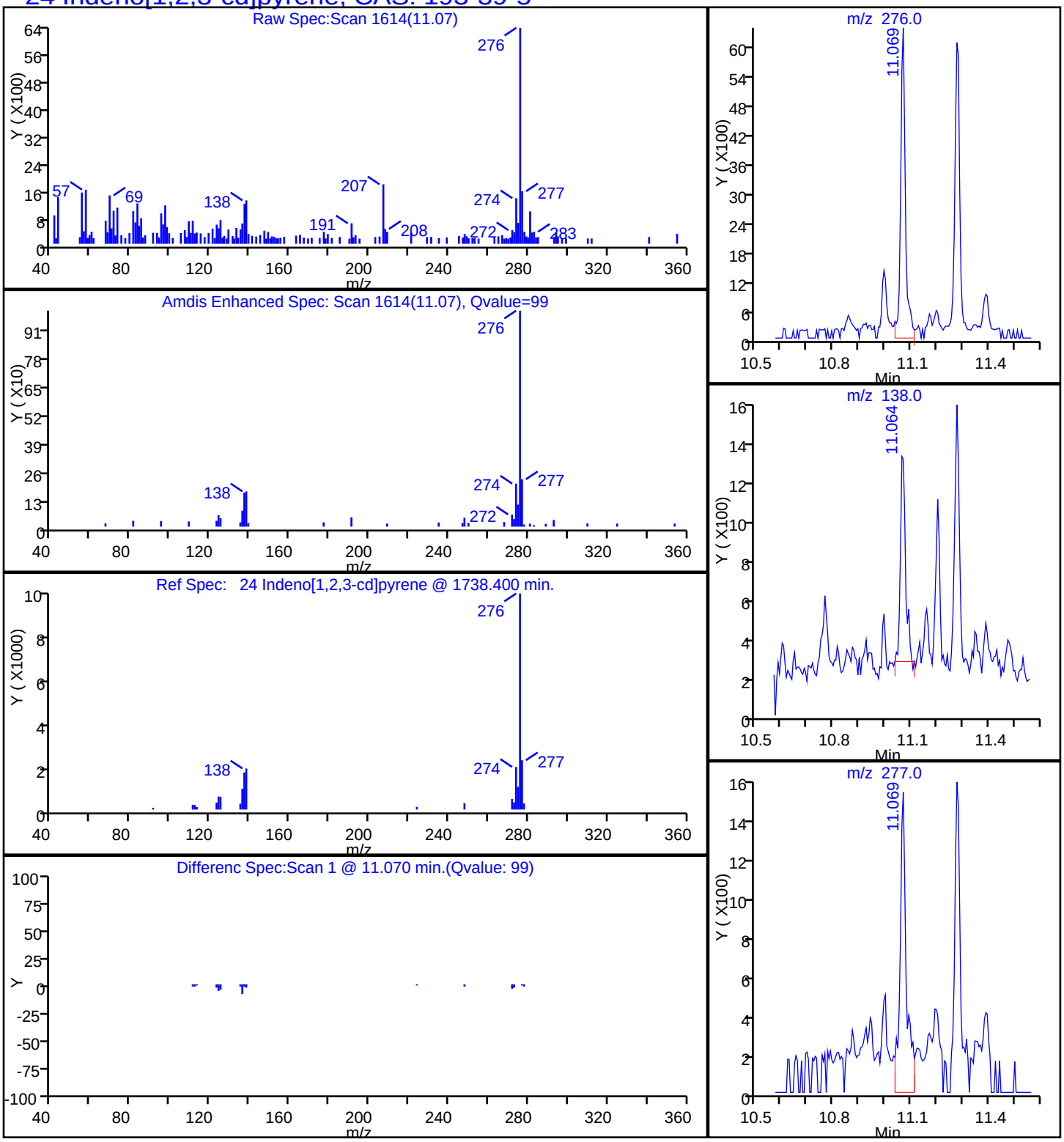


Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

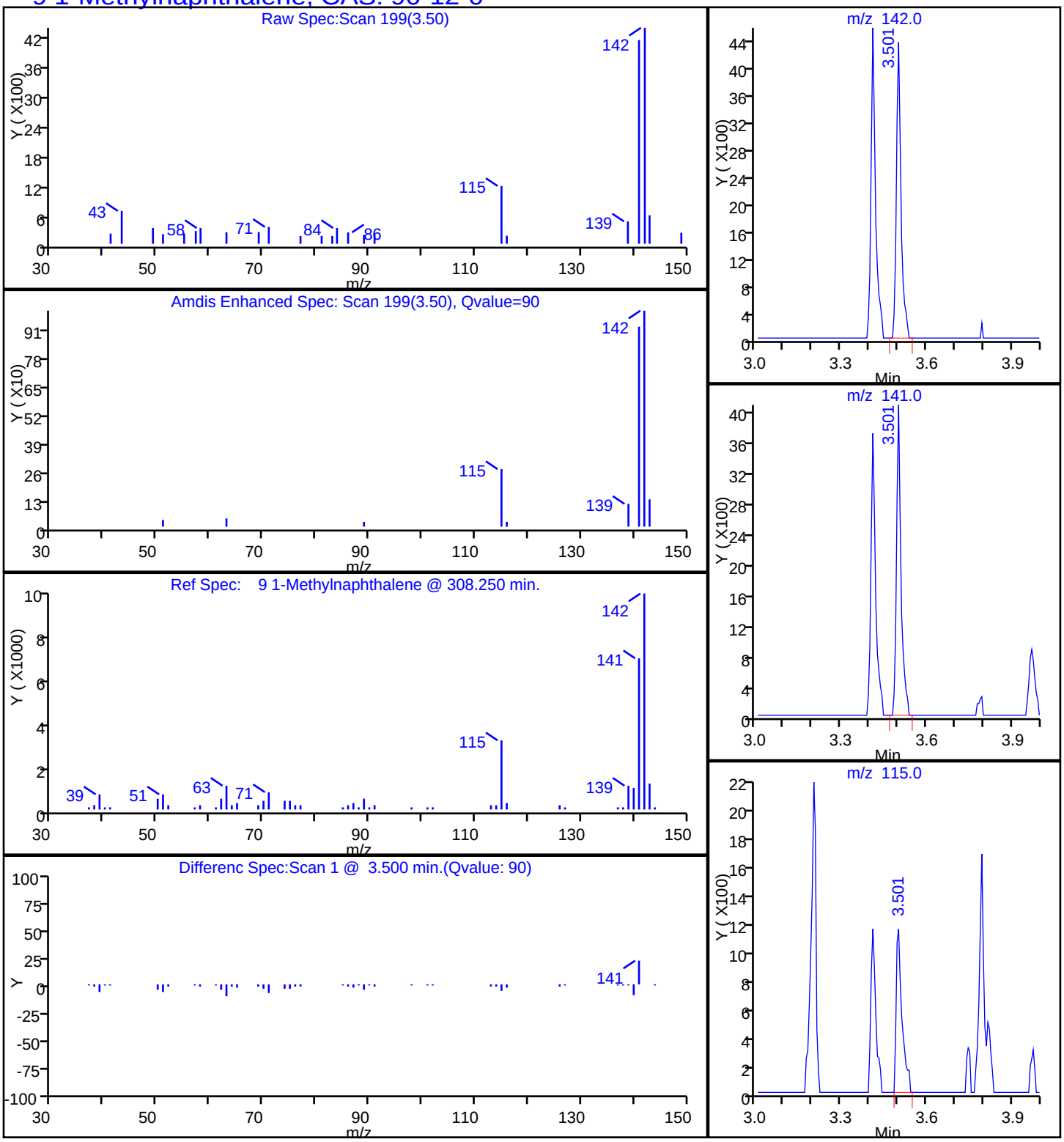


Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

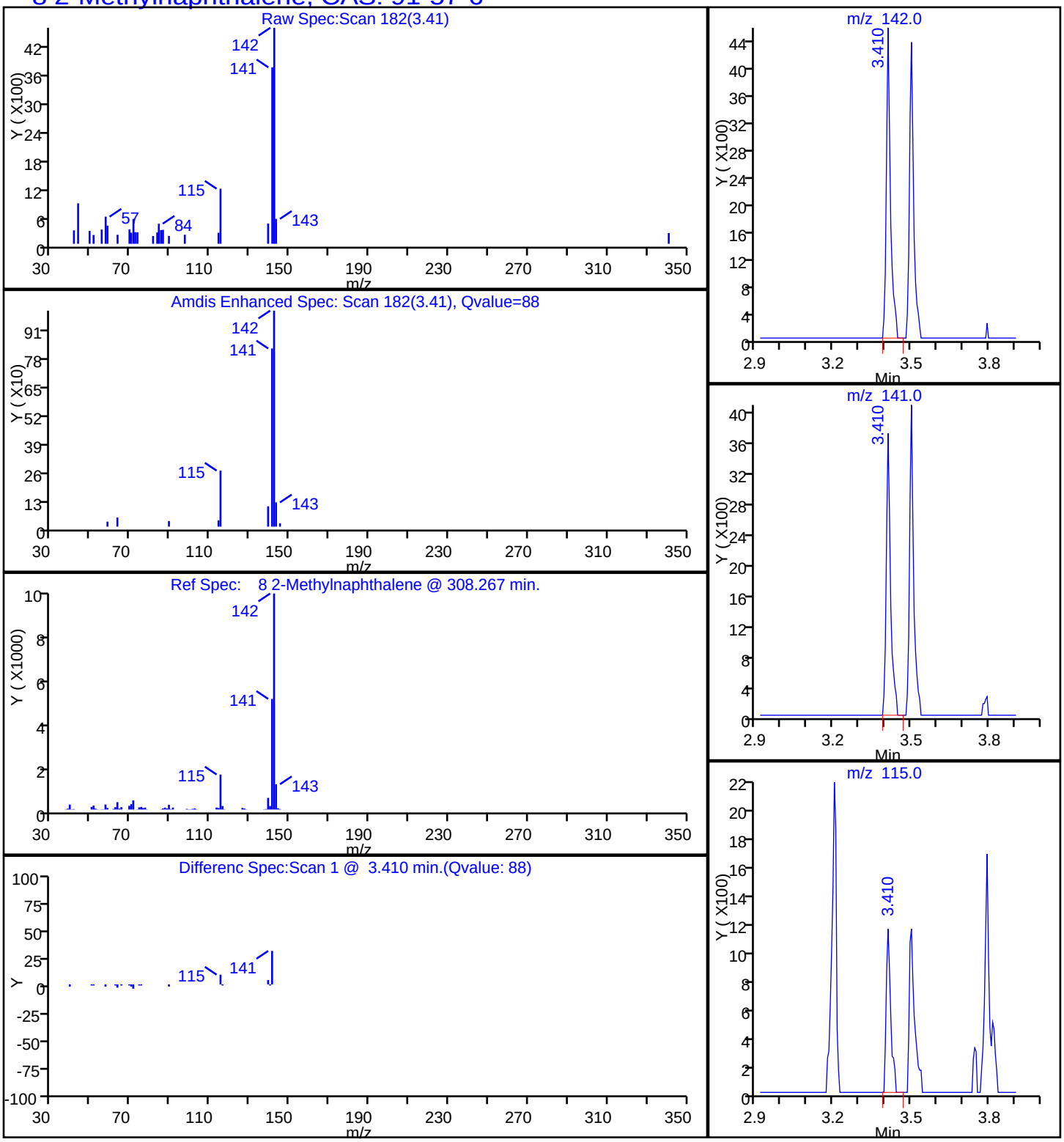


Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

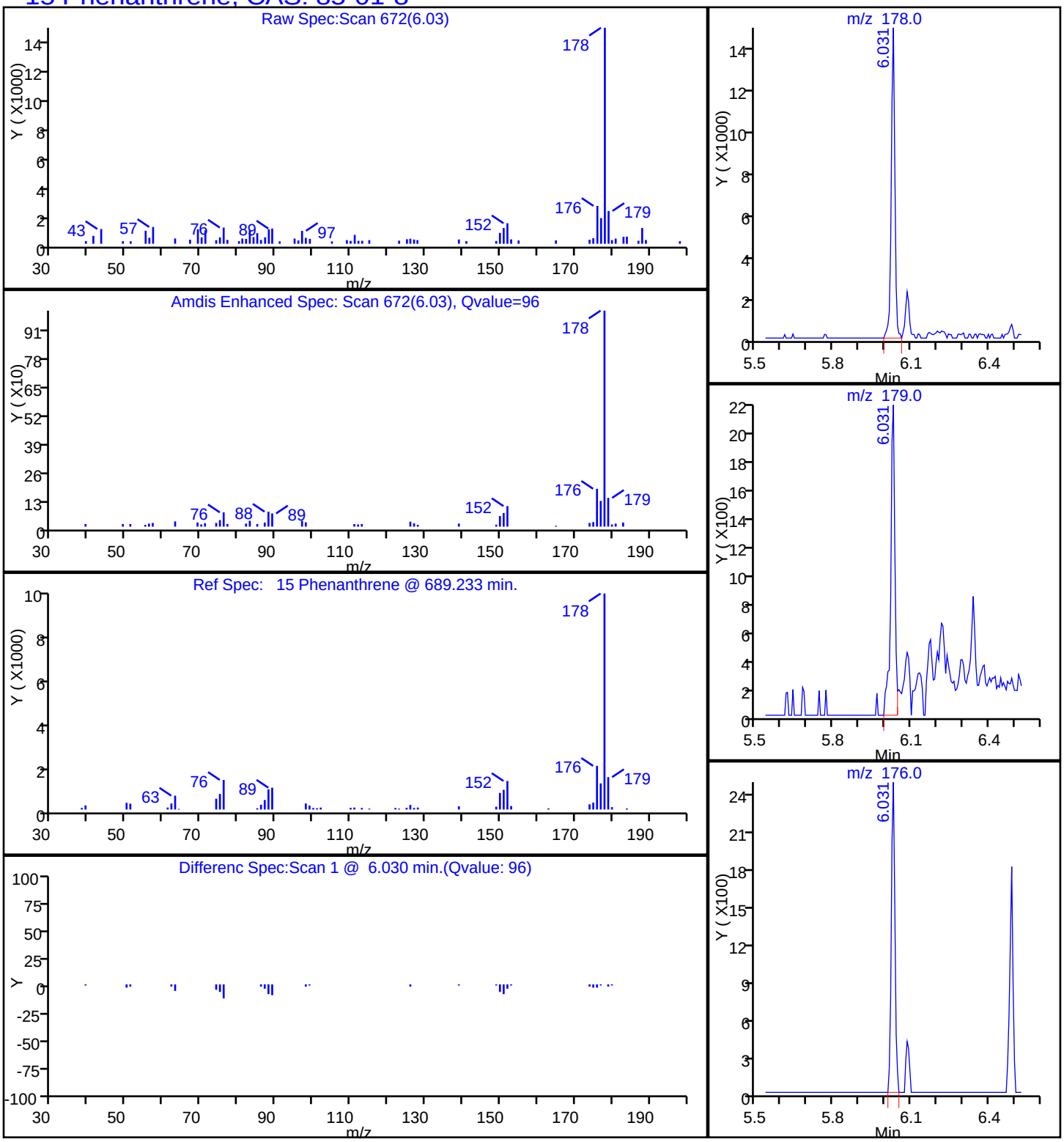


Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

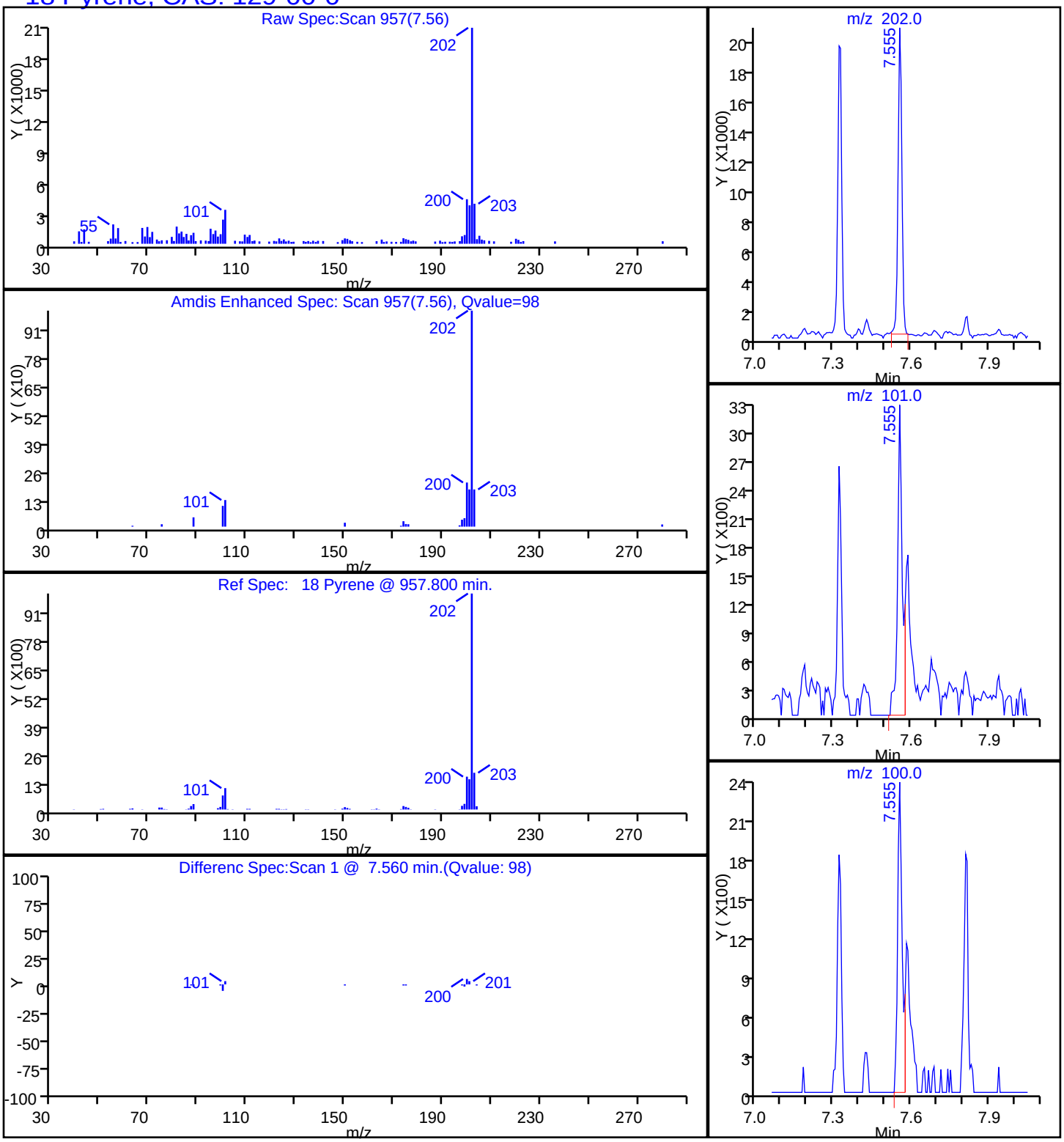


Report Date: 20-Oct-2014 09:22:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

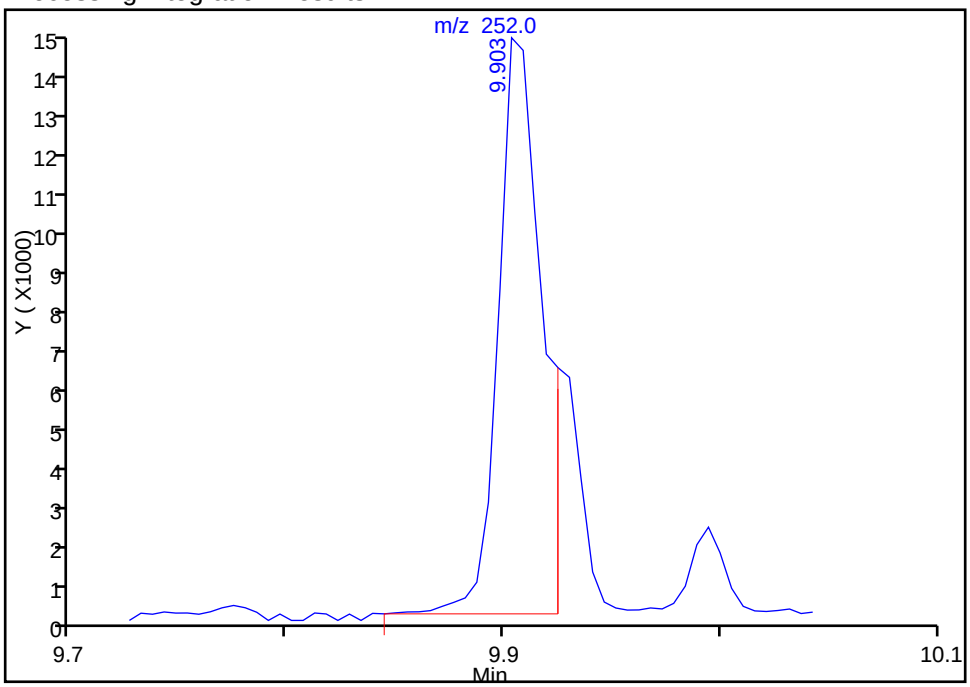
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

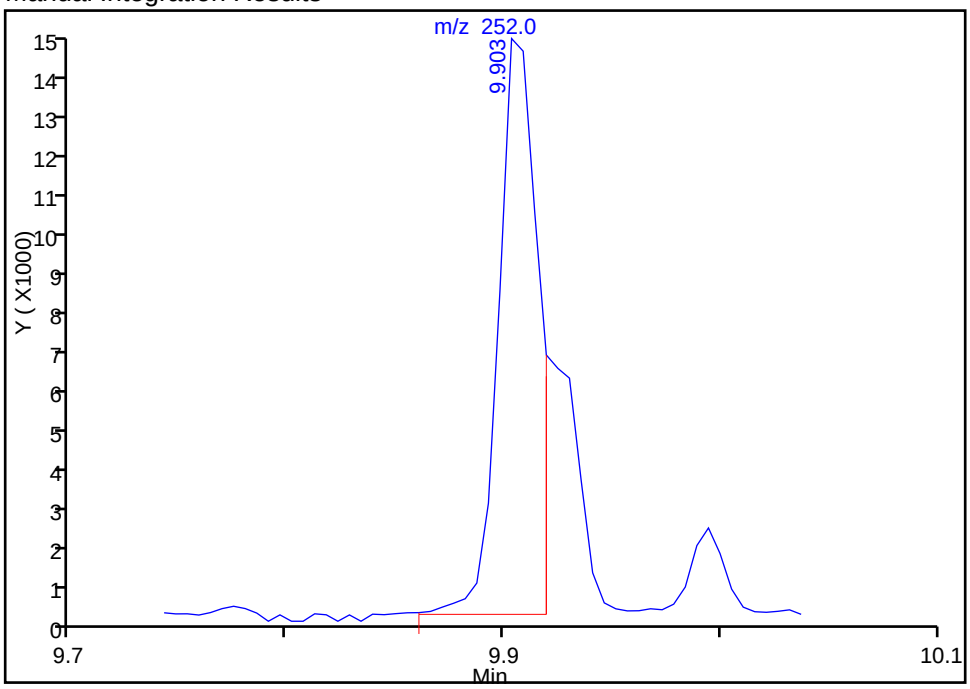
Processing Integration Results

RT: 9.90
Response: 20021
Amount: 0.352403



Manual Integration Results

RT: 9.90
Response: 18043
Amount: 0.317587



Reviewer: webbk, 20-Oct-2014 09:04:00
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

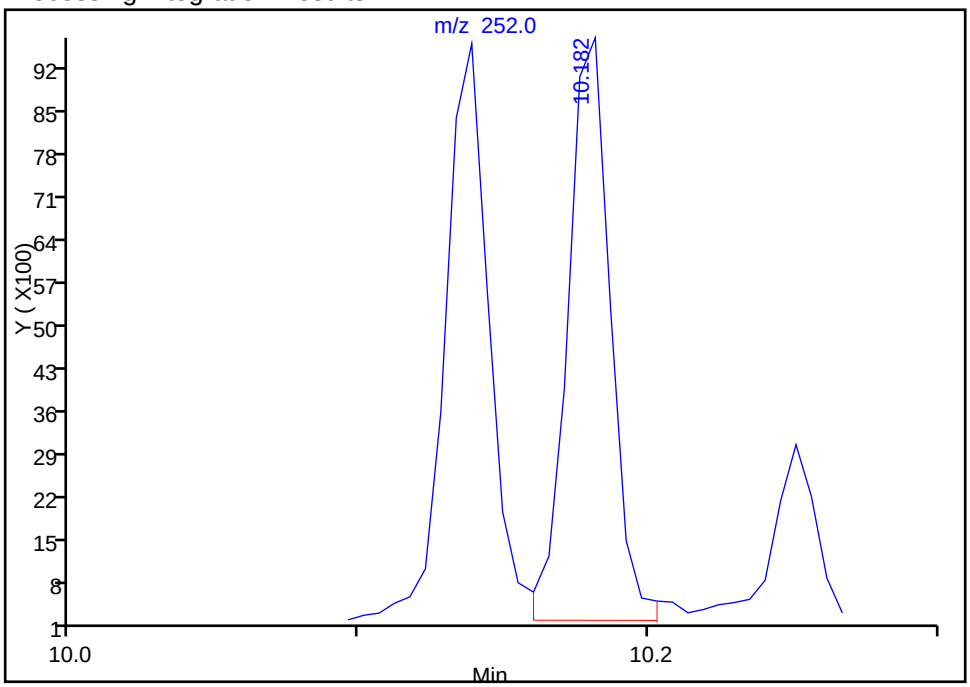
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1720.D				
Injection Date:	17-Oct-2014 16:39:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-48-A	Lab Sample ID:	680-106200-48		
Client ID:	CV0613B-CS24				
Operator ID:	RM	ALS Bottle#:	20	Worklist Smp#:	20
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

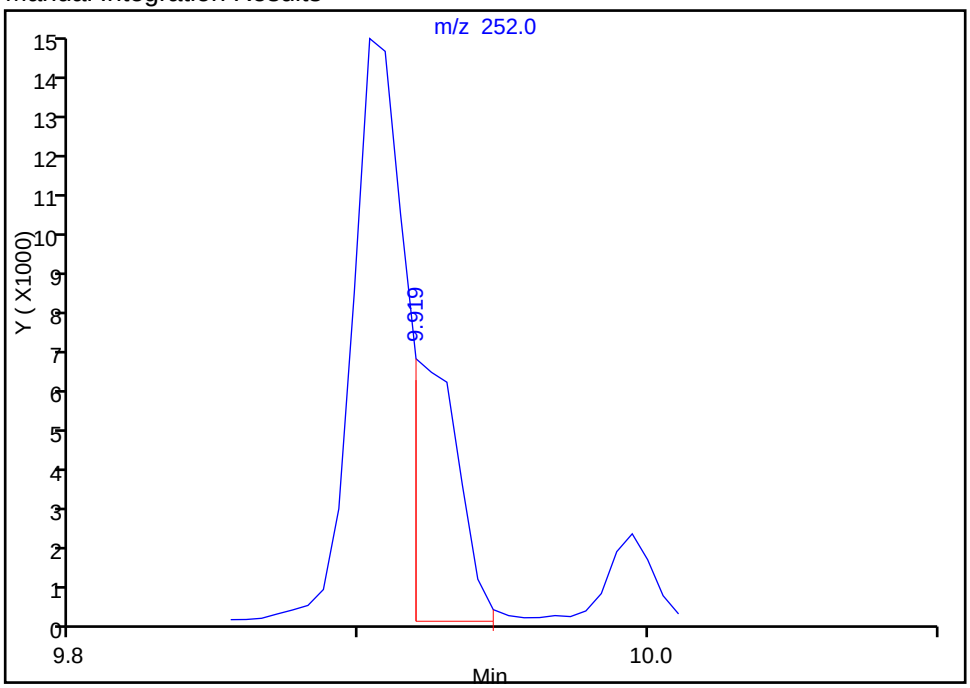
Processing Integration Results

RT: 10.18
Response: 9809
Amount: 0.177687



Manual Integration Results

RT: 9.92
Response: 7273
Amount: 0.131722



Reviewer: webbk, 20-Oct-2014 09:04:00
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0753A-CS (0-4") | Lab Sample ID: 680-106200-49

Matrix: Solid | Lab File ID: 1YJ1721.D

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

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

Sample wt/vol: 30.01(g) | Date Analyzed: 10/17/2014 17:01

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	45	J	77	38
56-55-3	Benzo[a]anthracene	250		77	38
50-32-8	Benzo[a]pyrene	210		77	14
205-99-2	Benzo[b]fluoranthene	390		77	38
191-24-2	Benzo[g,h,i]perylene	180		77	38
207-08-9	Benzo[k]fluoranthene	120		77	23
218-01-9	Chrysene	340		77	38
53-70-3	Dibenz(a,h)anthracene	60	J	77	38
206-44-0	Fluoranthene	320		77	38
86-73-7	Fluorene	77	U	77	38
193-39-5	Indeno[1,2,3-cd]pyrene	100		77	38
90-12-0	1-Methylnaphthalene	210		77	36
91-57-6	2-Methylnaphthalene	240		77	38
91-20-3	Naphthalene	170		77	38
85-01-8	Phenanthrene	330		77	27
129-00-0	Pyrene	350		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\1YJ1721.D
Lims ID: 680-106200-A-49-A Lab Sample ID: 680-106200-49
Client ID: CV0753A-CS (0-4")
Sample Type: Client
Inject. Date: 17-Oct-2014 17:01:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-49-A 1:10
Misc. Info.: 680-0013845-021
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 09:05:50

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	121004	2.00	
* 2 Acenaphthene-d10	164	4.442	4.437	0.005	92	66060	2.00	
* 3 Phenanthrene-d10	188	6.010	6.005	0.006	98	116954	2.00	
* 4 Chrysene-d12	240	8.882	8.877	0.005	99	94436	2.00	
* 5 Perylene-d12	264	10.240	10.225	0.015	99	69680	2.00	
7 Naphthalene	128	2.779	2.774	0.005	99	29429	0.4459	
8 2-Methylnaphthalene	142	3.416	3.410	0.006	90	27251	0.6226	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	91	21828	0.5378	
15 Phenanthrene	178	6.031	6.031	0.000	96	60659	0.8667	
16 Anthracene	178	6.084	6.085	-0.001	99	8185	0.1176	
17 Fluoranthene	202	7.325	7.320	0.005	98	62781	0.8463	
18 Pyrene	202	7.561	7.556	0.005	98	55862	0.9040	
19 Benzo[a]anthracene	228	8.876	8.866	0.010	97	35683	0.6461	
20 Chrysene	228	8.909	8.903	0.006	99	46642	0.8883	
21 Benzo[b]fluoranthene	252	9.914	9.904	0.010	97	47351	1.03	M
22 Benzo[k]fluoranthene	252	9.930	9.930	0.000	99	13701	0.3078	M
23 Benzo[a]pyrene	252	10.187	10.176	0.011	96	20788	0.5515	
24 Indeno[1,2,3-cd]pyrene	276	11.080	11.070	0.010	98	14011	0.2702	
25 Dibenz(a,h)anthracene	278	11.107	11.091	0.016	93	5167	0.1569	
26 Benzo[g,h,i]perylene	276	11.294	11.273	0.021	97	16556	0.4818	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

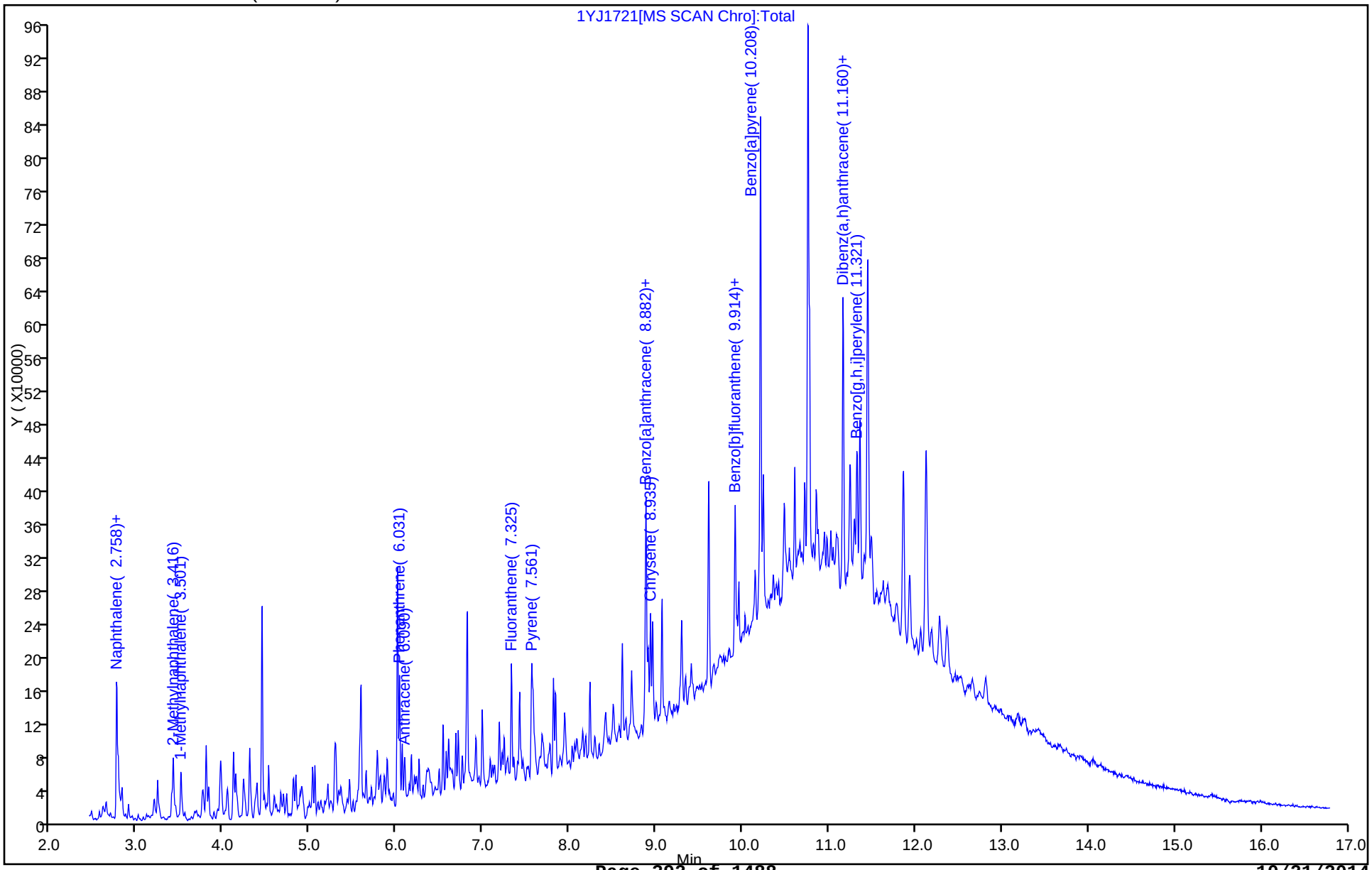
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

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

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49	Worklist Smp#:	21
Client ID:	CV0753A-CS (0-4")				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	21
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

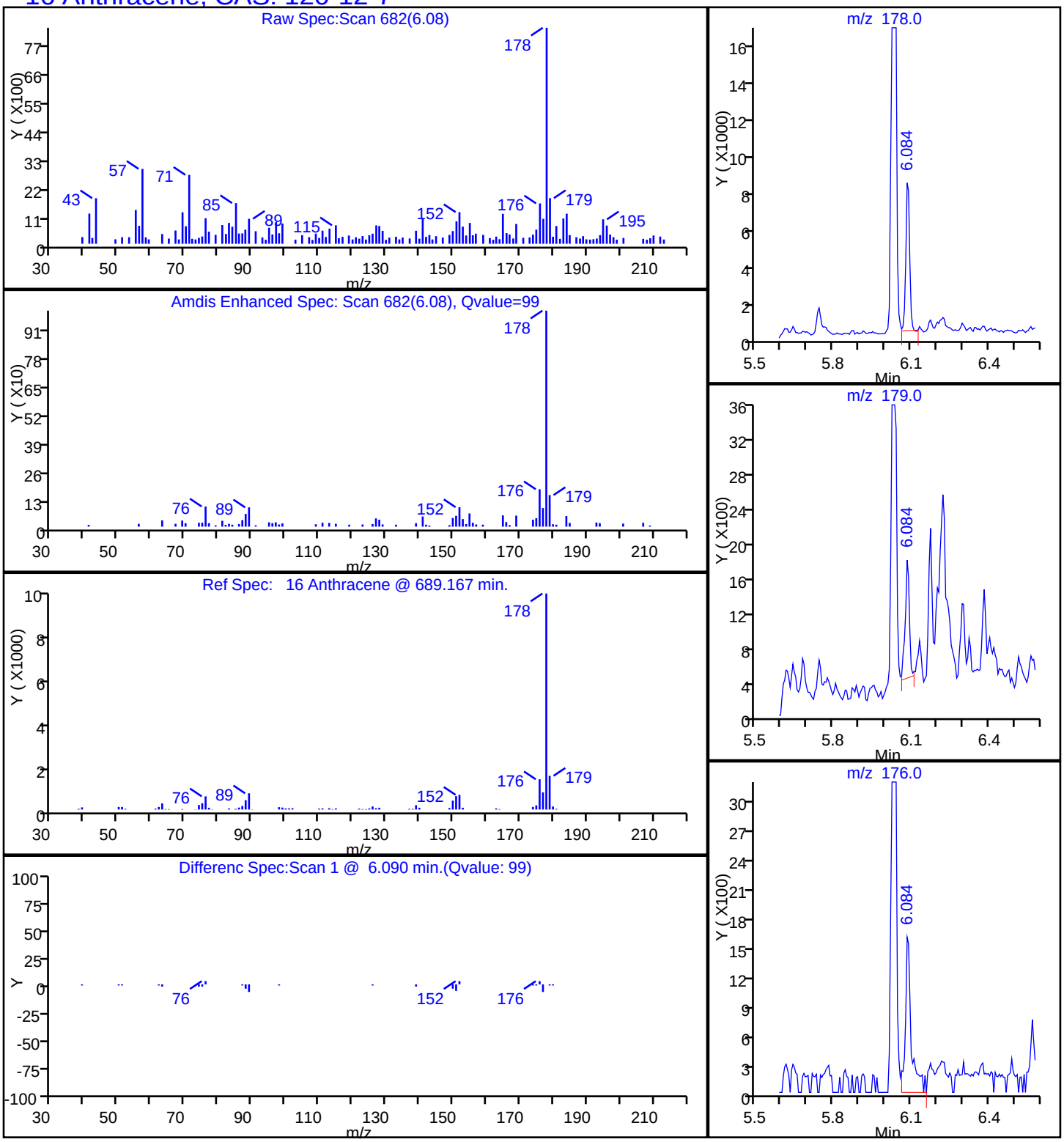


Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

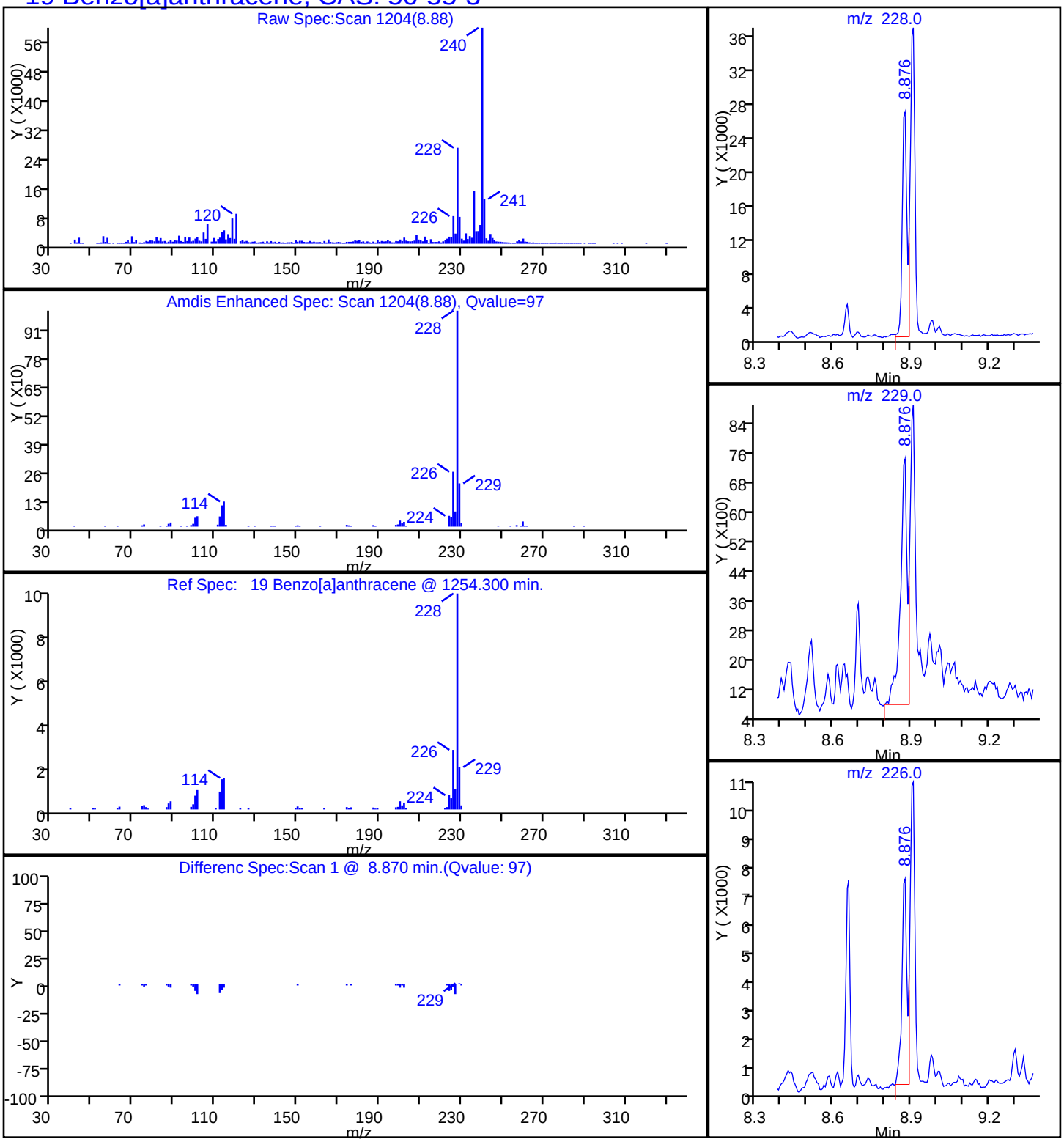


Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

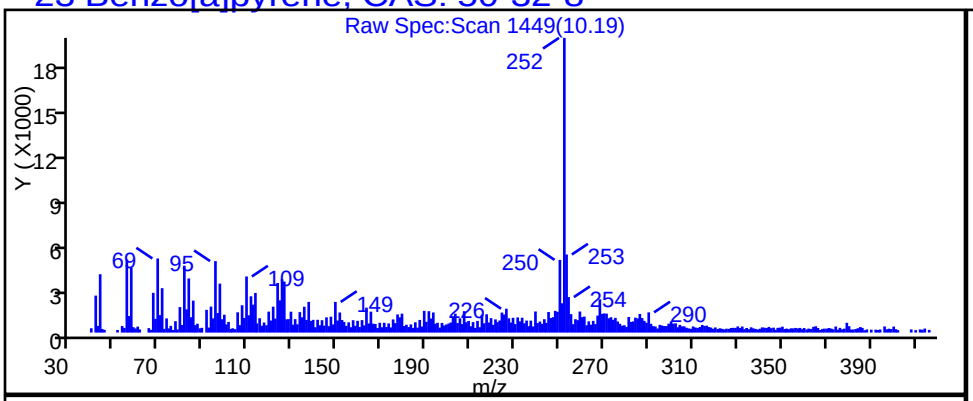


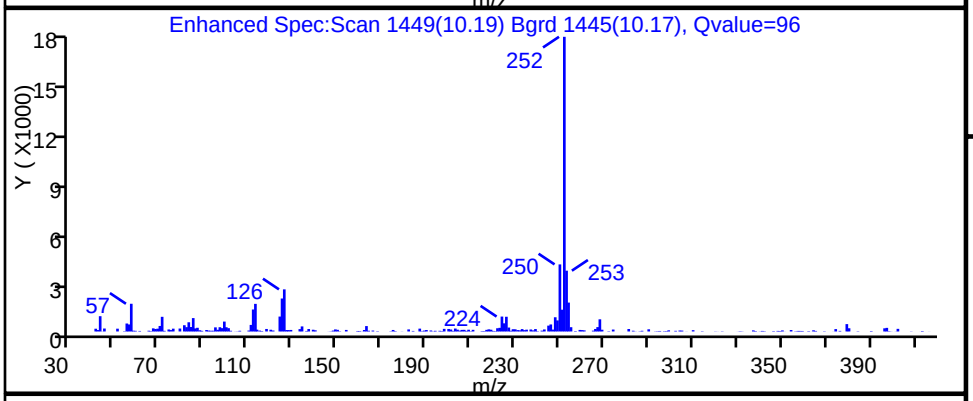
Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

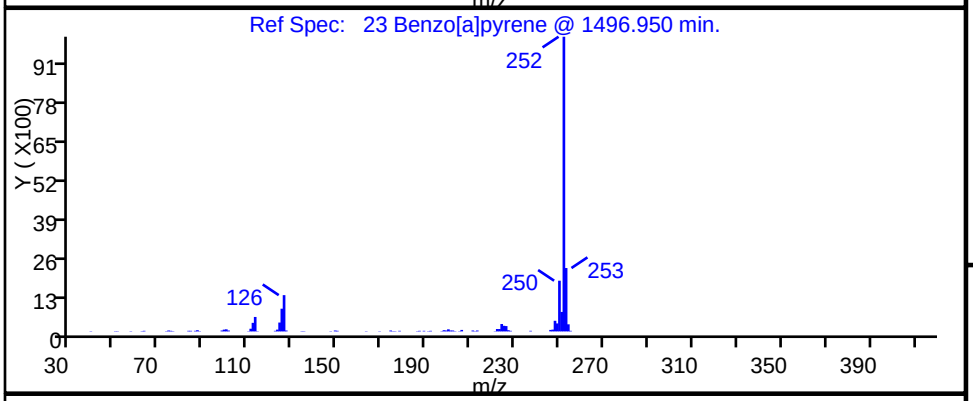
TestAmerica Savannah

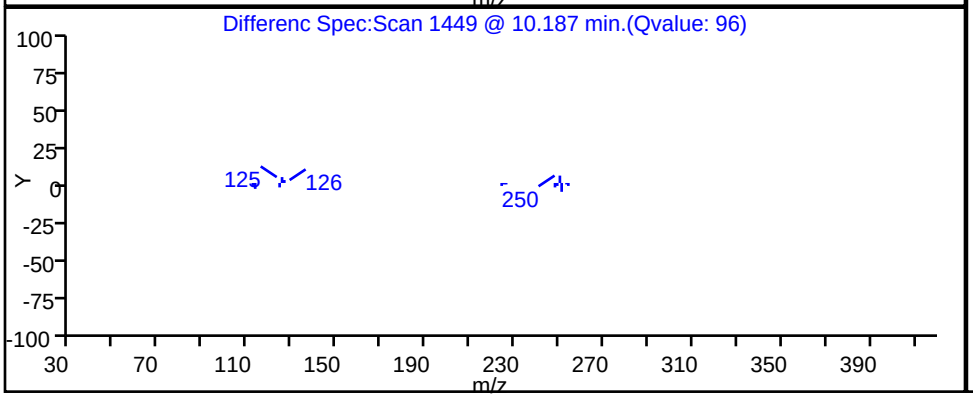
Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

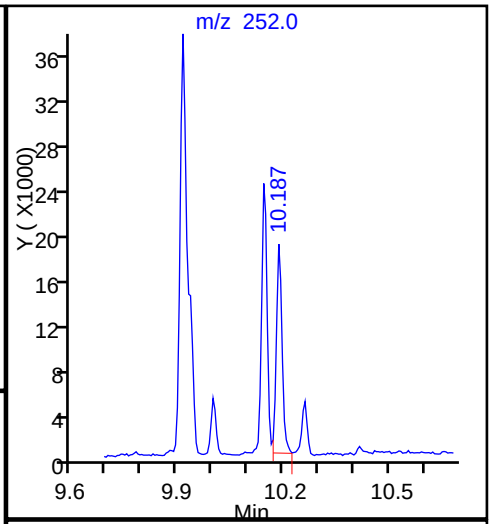
23 Benzo[a]pyrene, CAS: 50-32-8

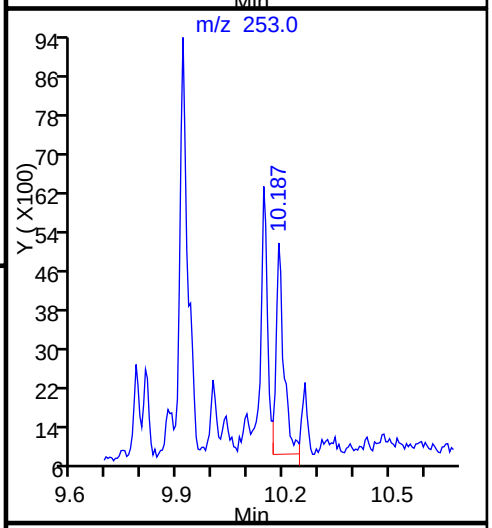


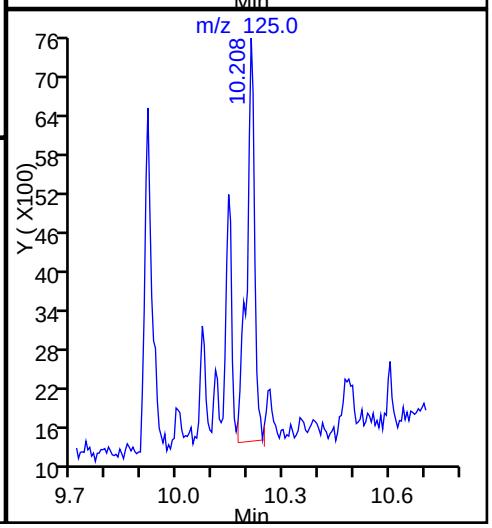










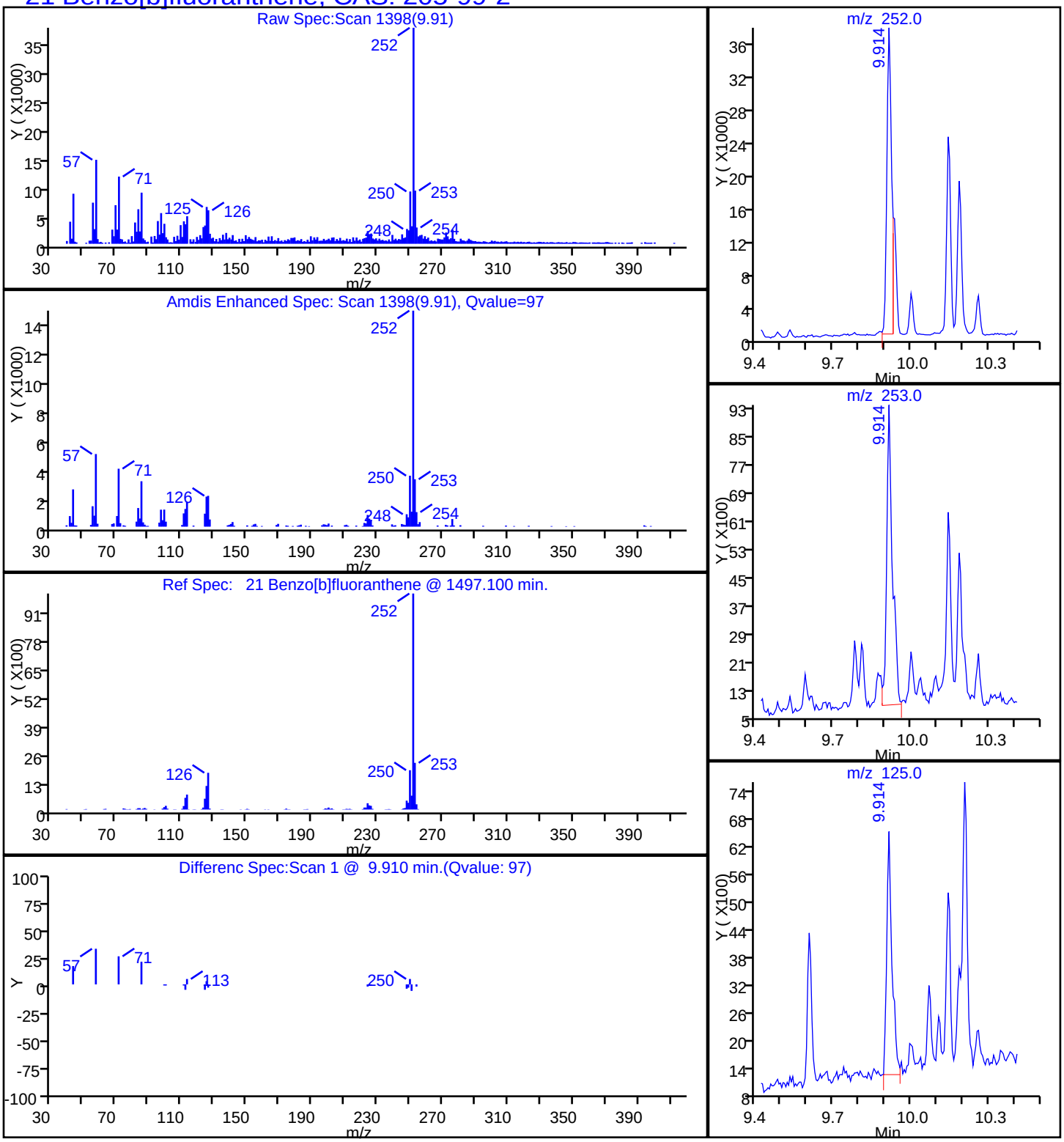


Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

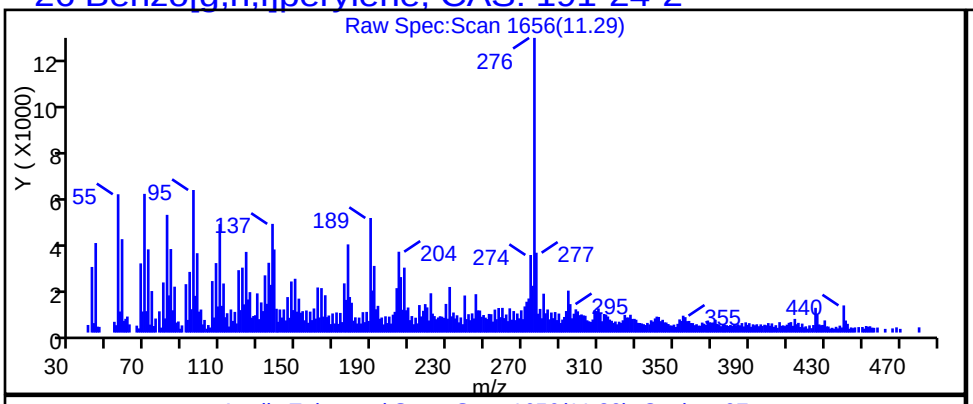


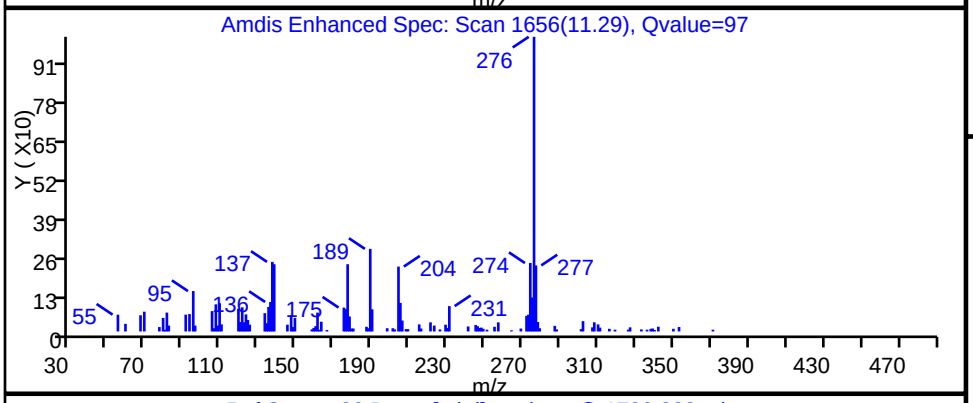
Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

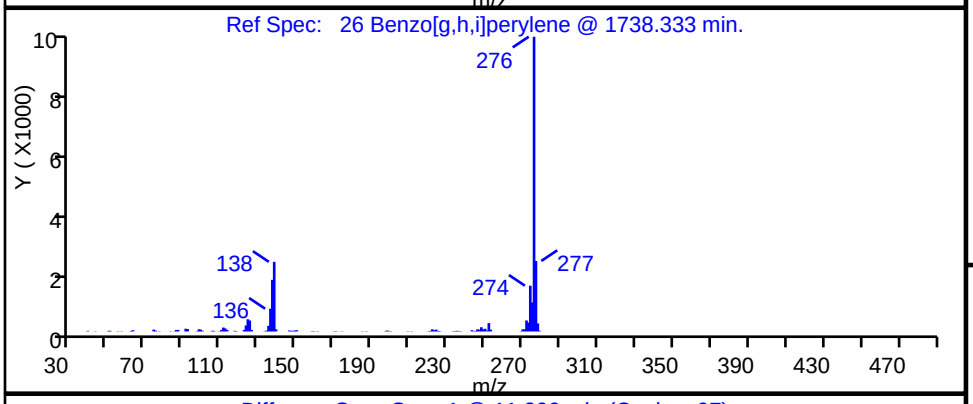
TestAmerica Savannah

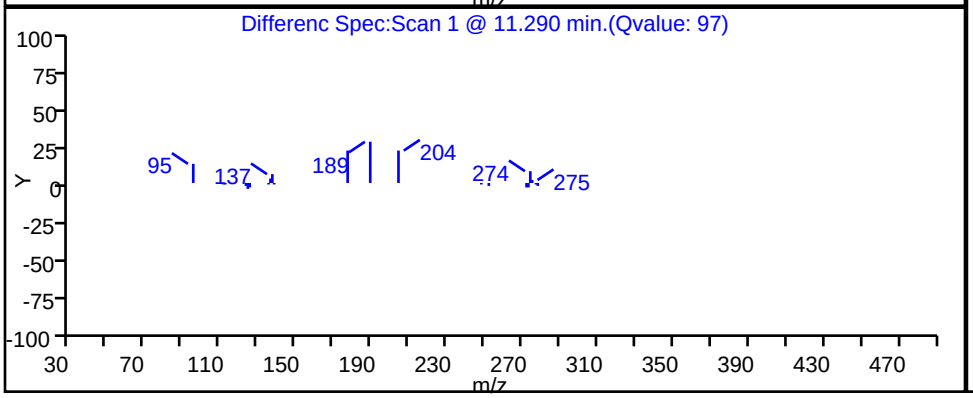
Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

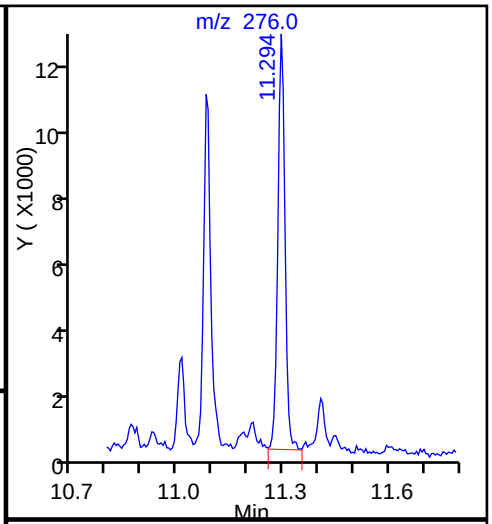
26 Benzo[g,h,i]perylene, CAS: 191-24-2

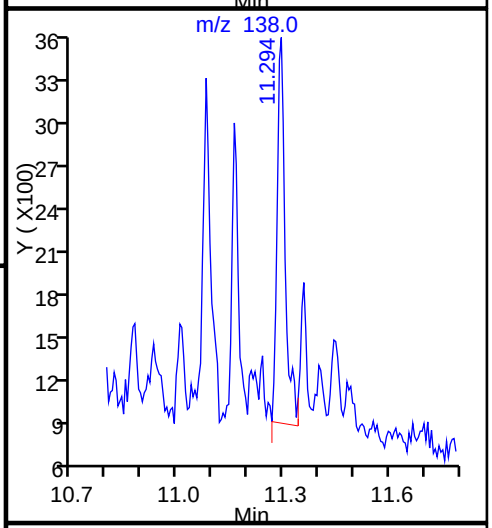


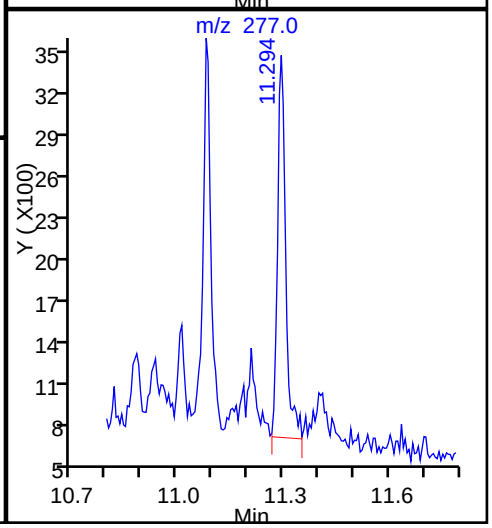










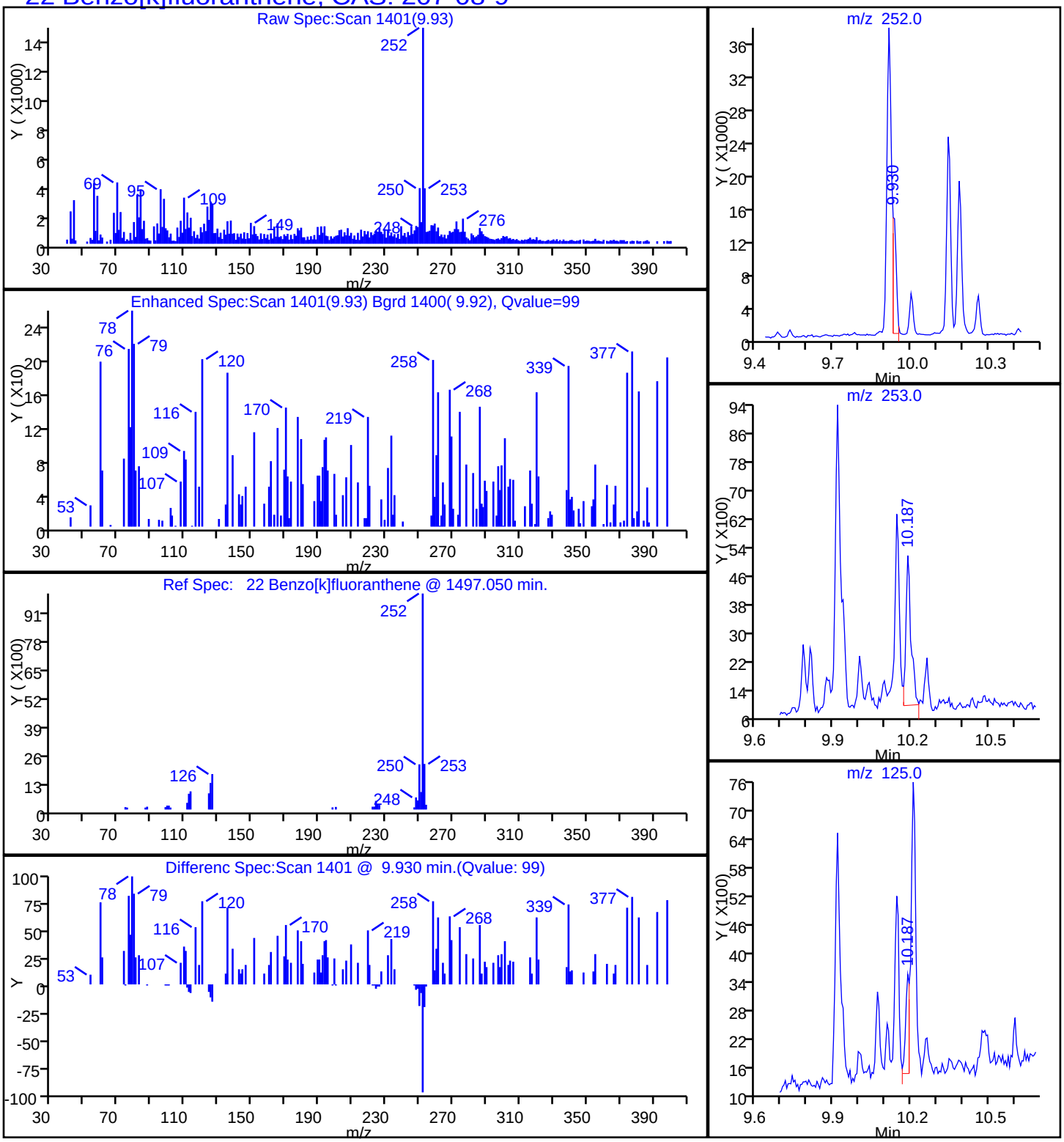


Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

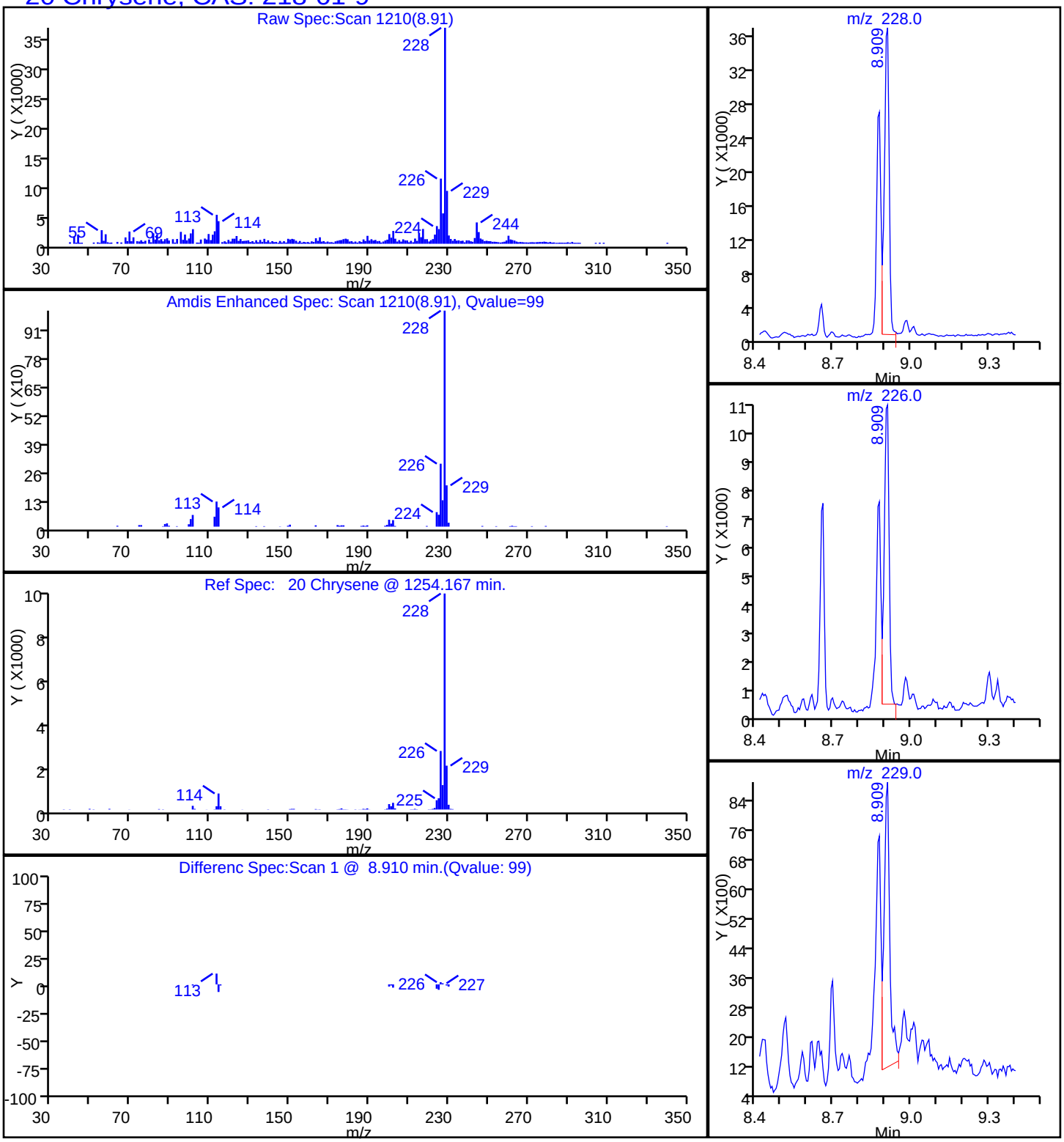


Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

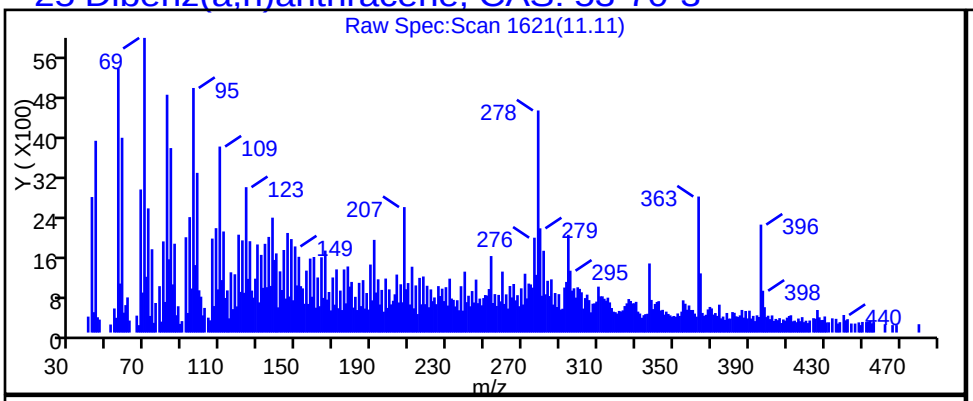


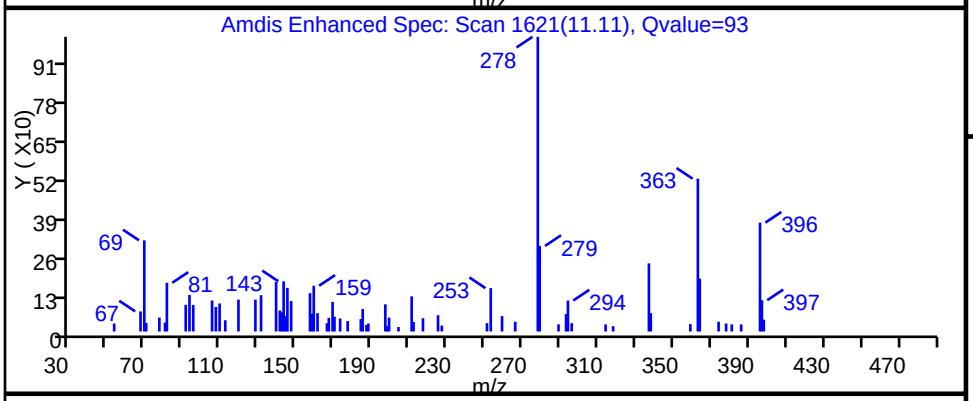
Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

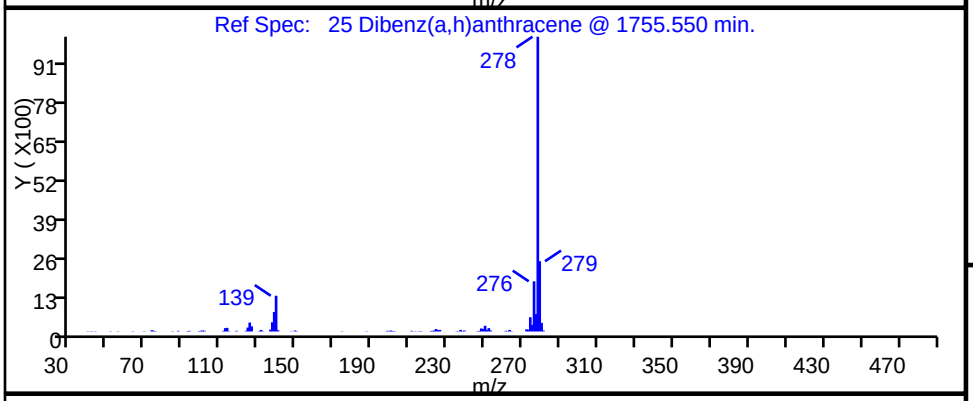
TestAmerica Savannah

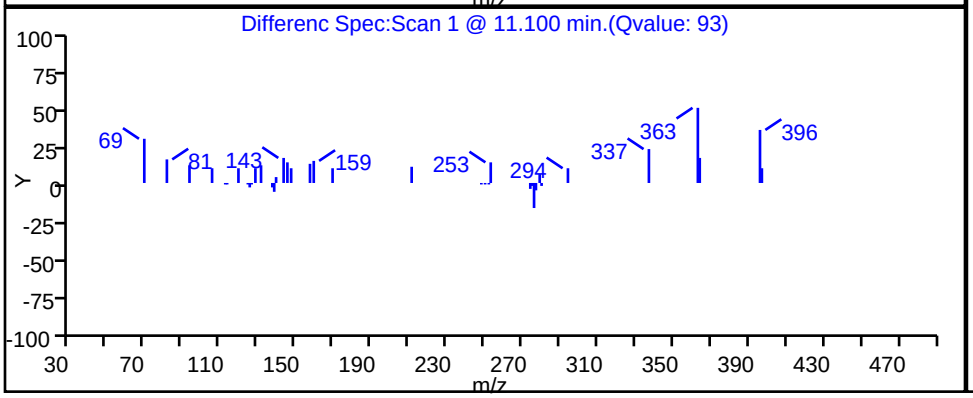
Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

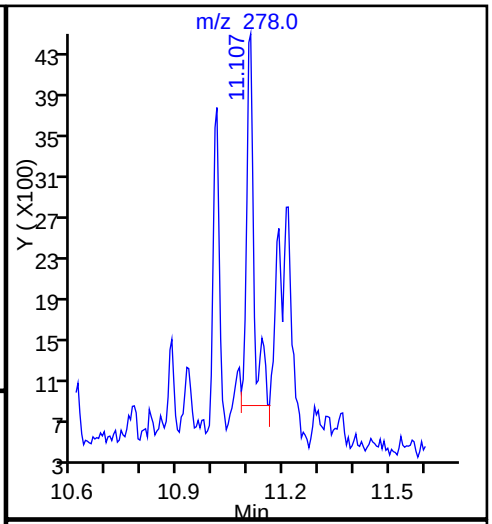
25 Dibenz(a,h)anthracene, CAS: 53-70-3

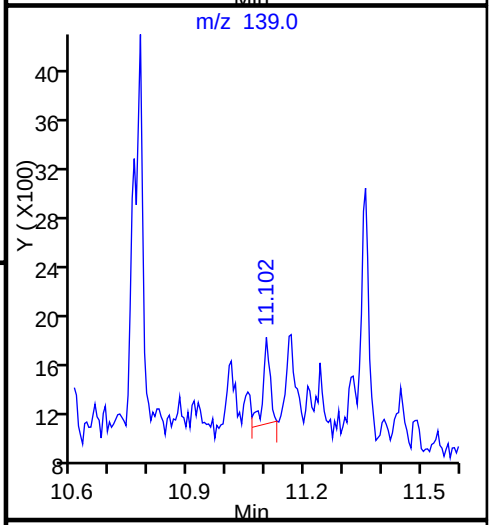


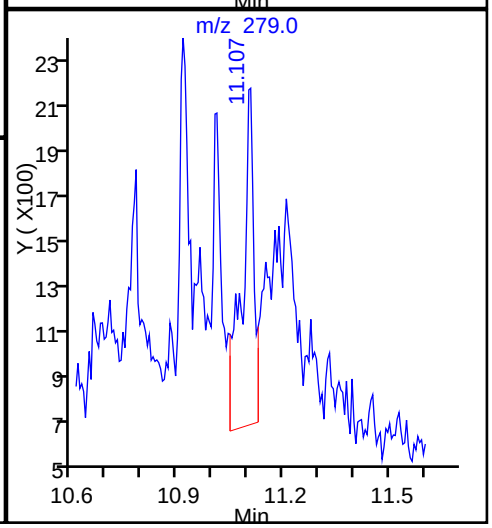










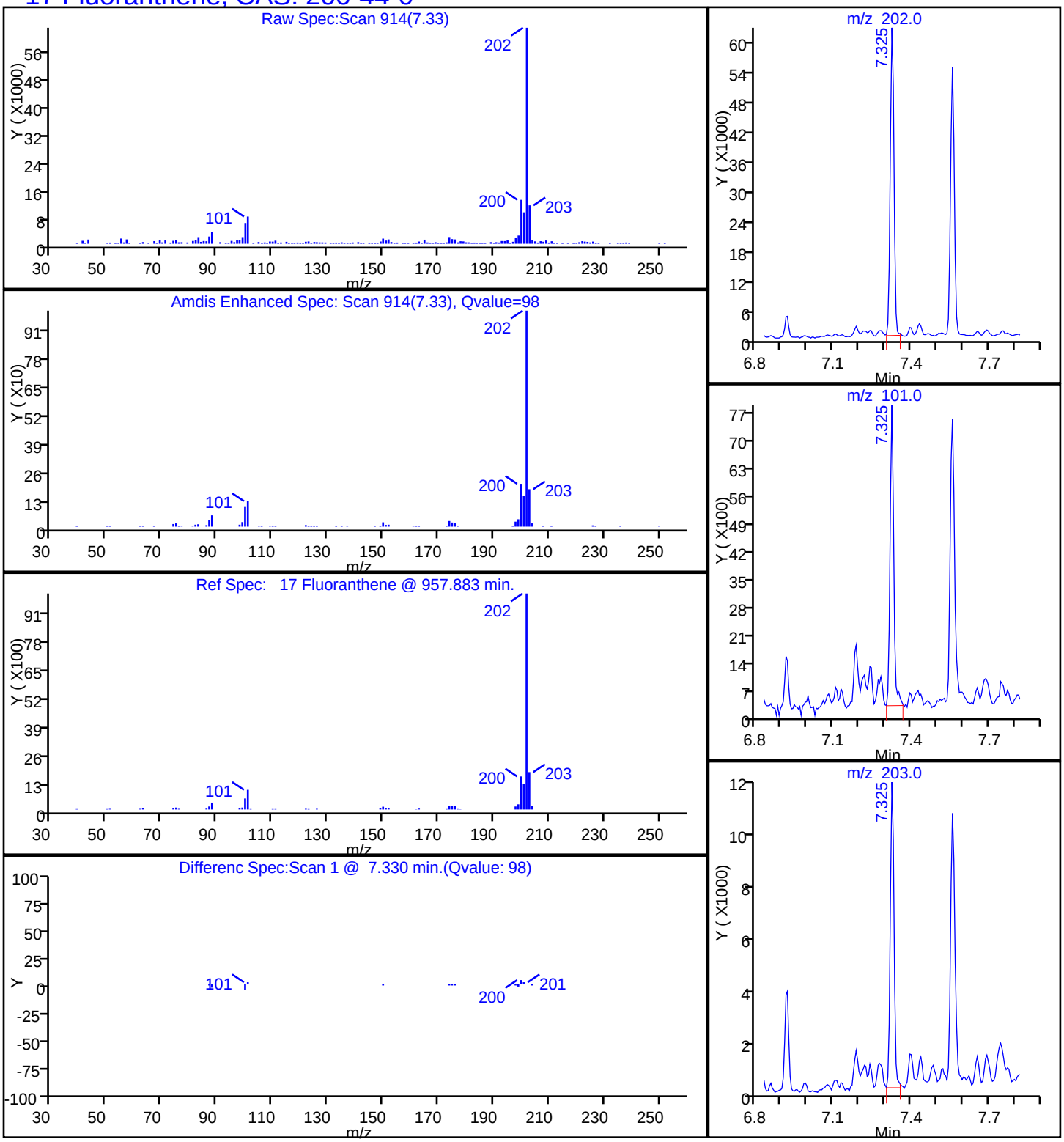


Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

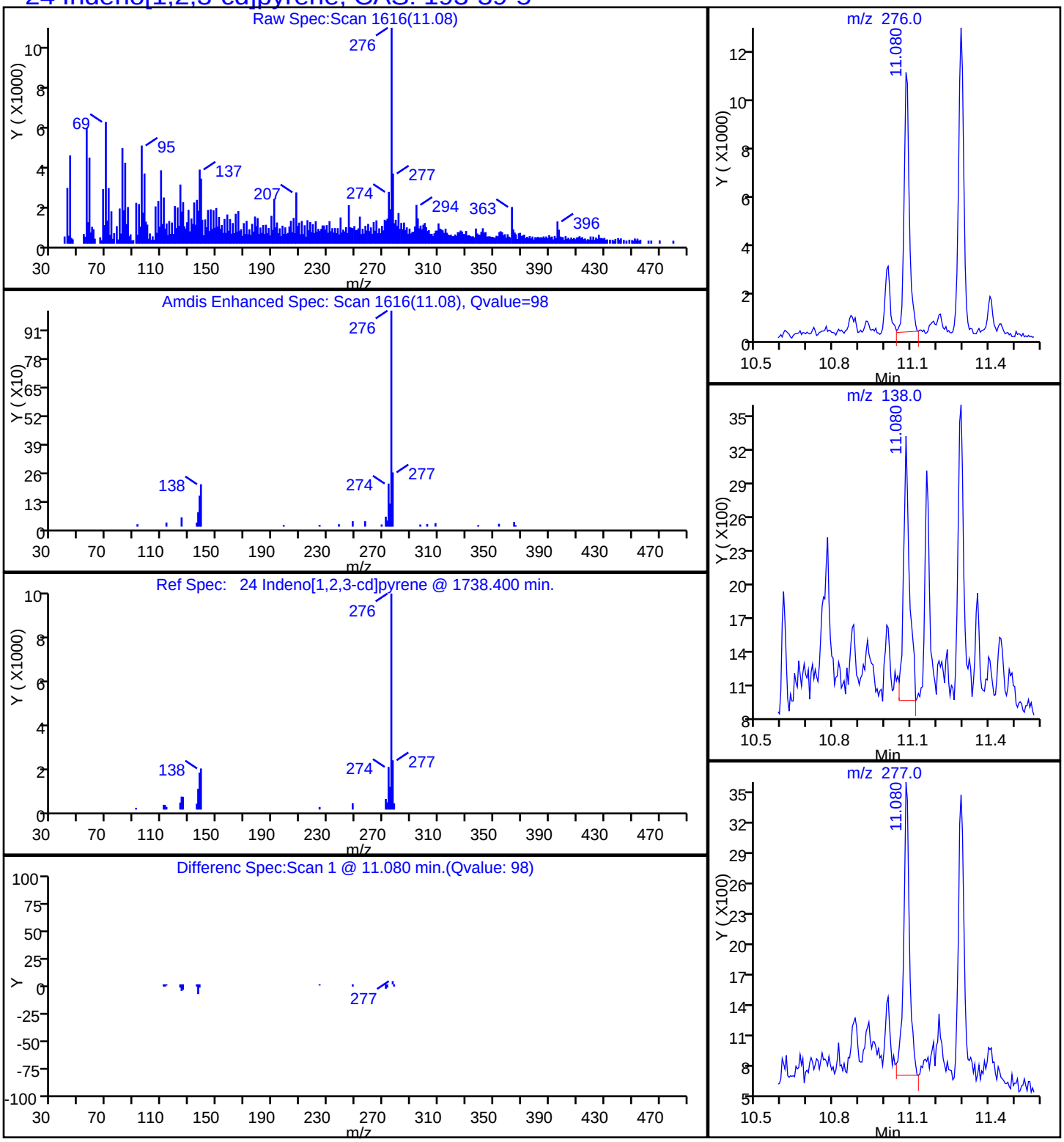


Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

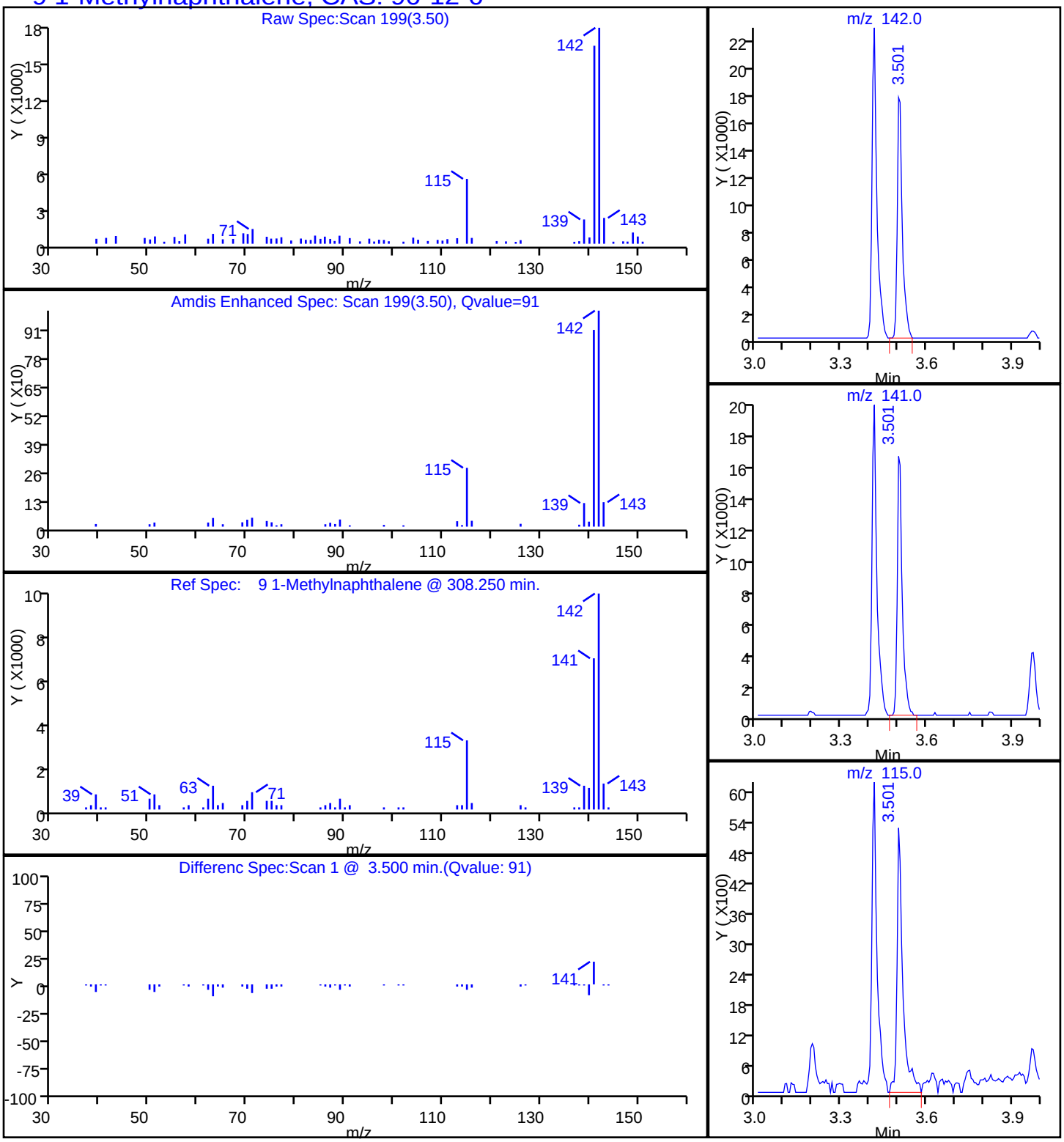


Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

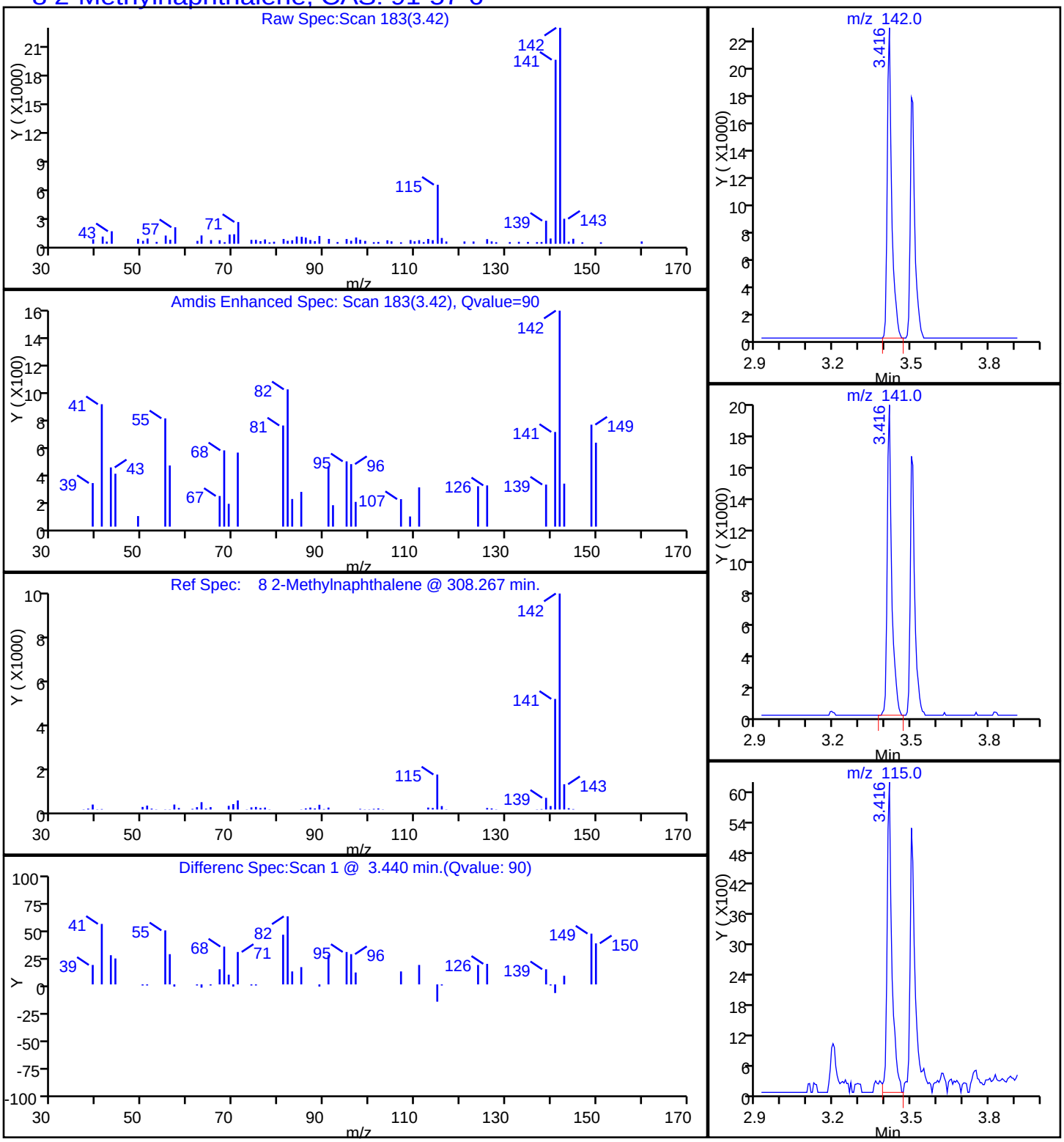


Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

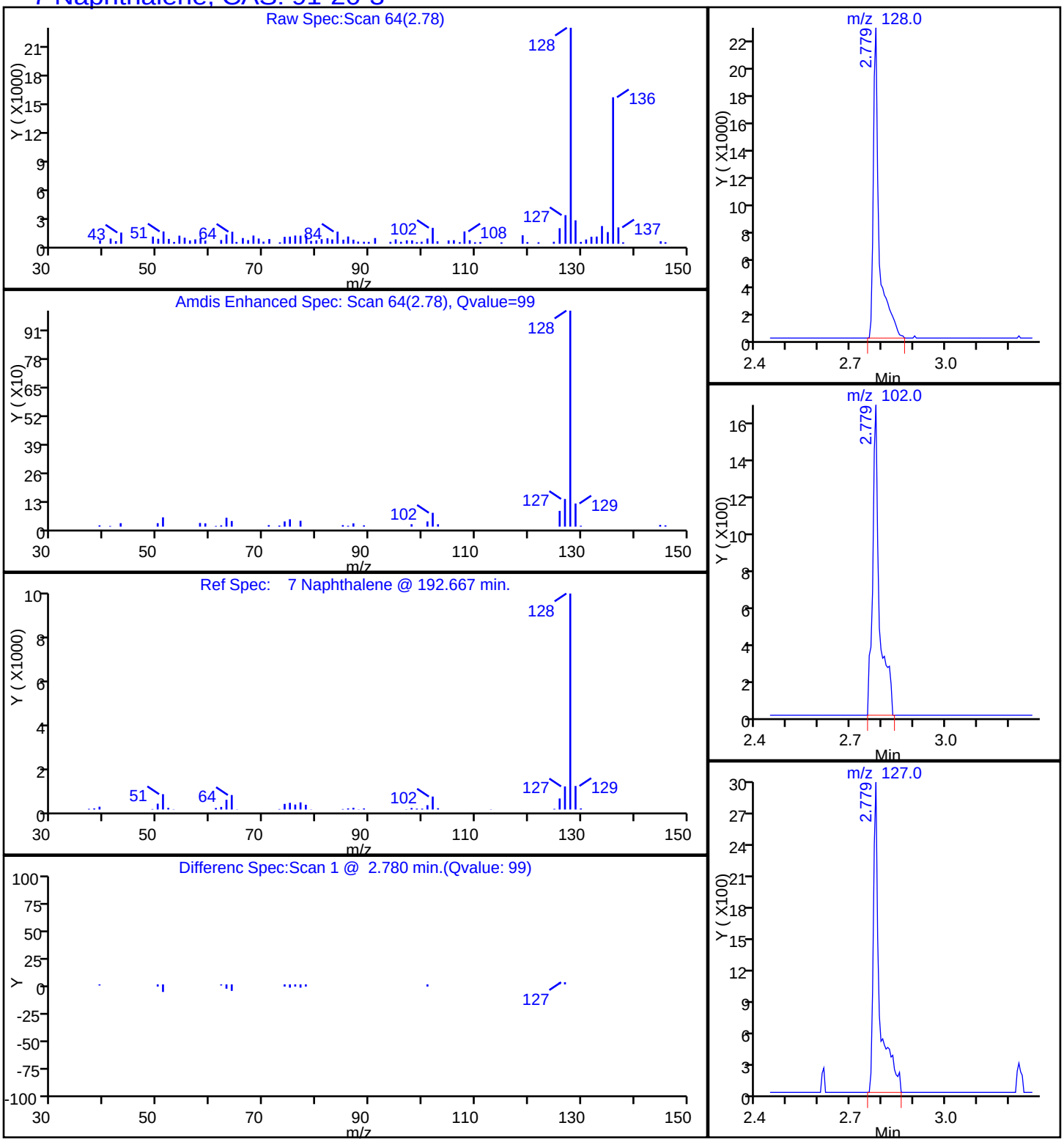


Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

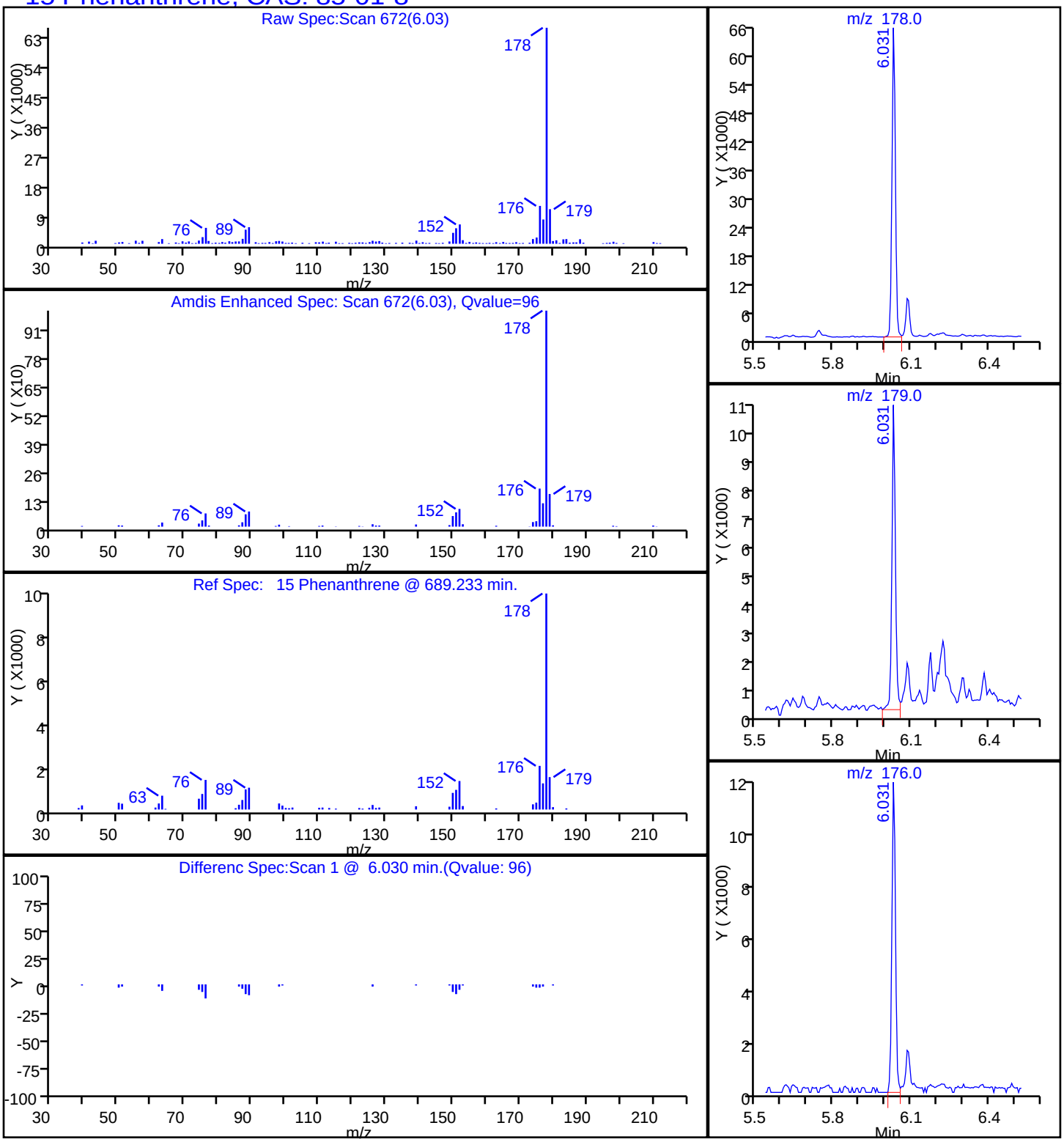


Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

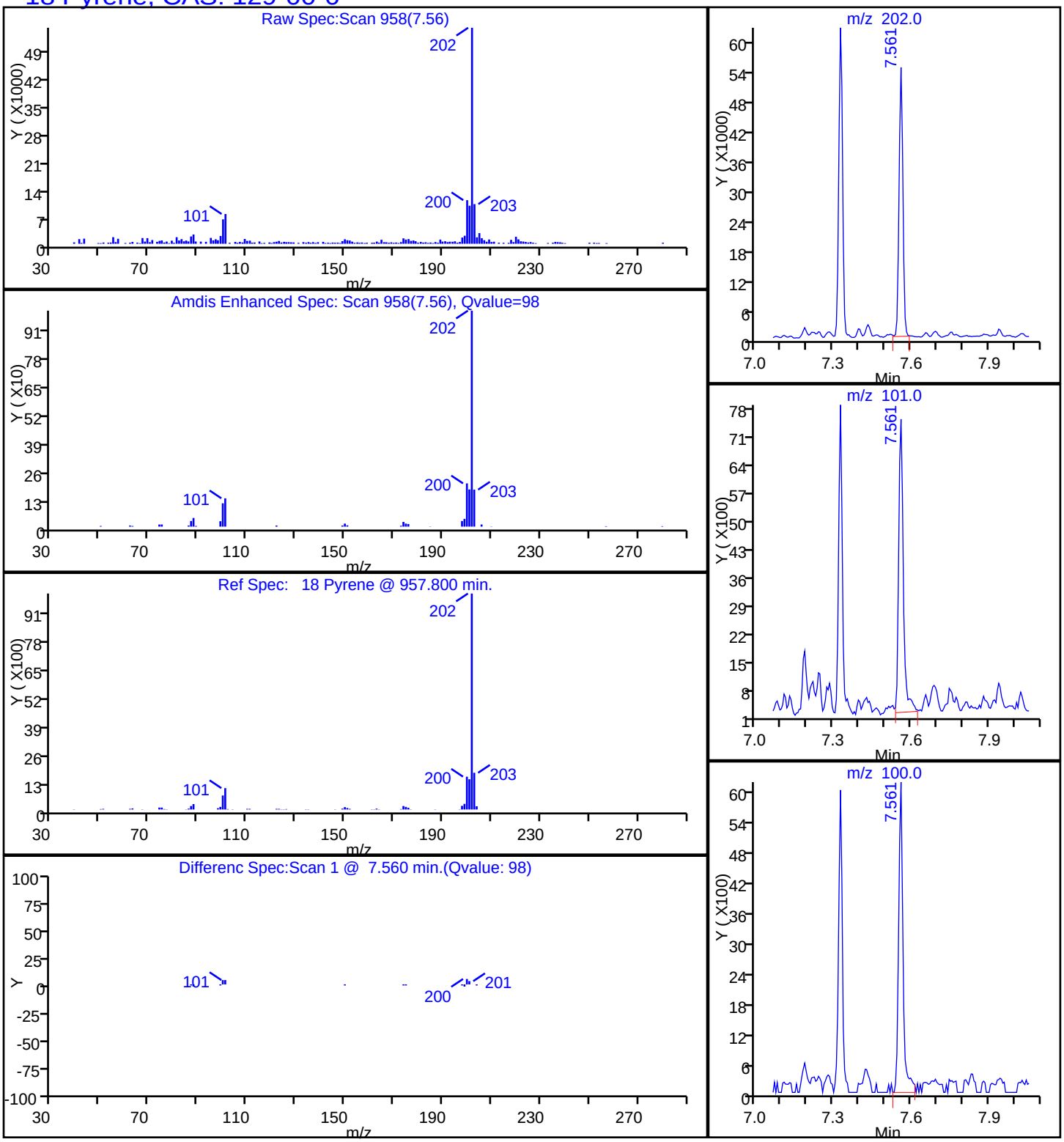


Report Date: 20-Oct-2014 09:22:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

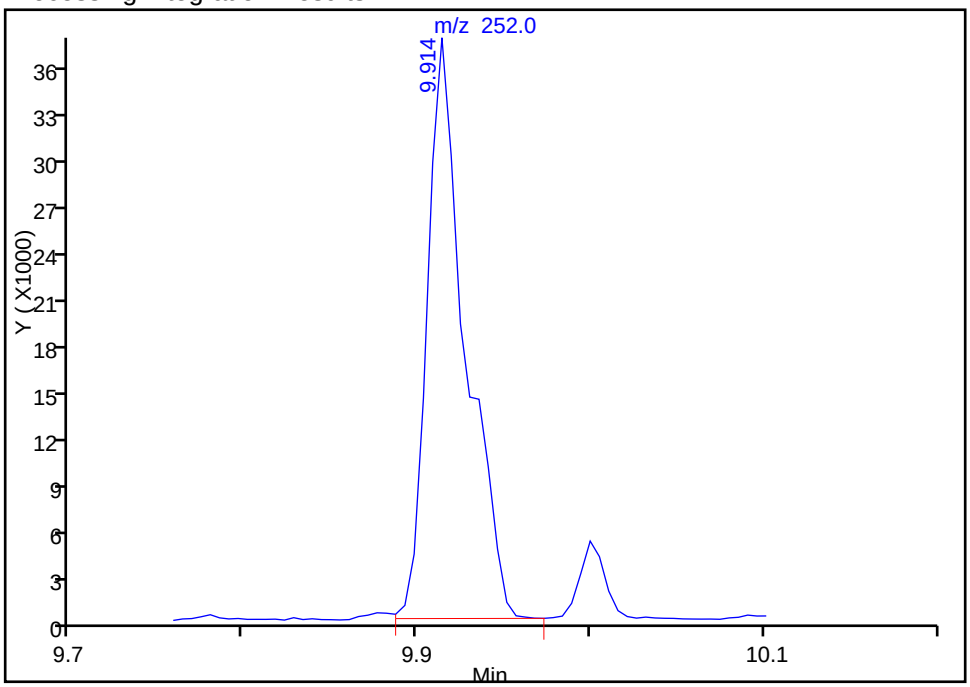
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

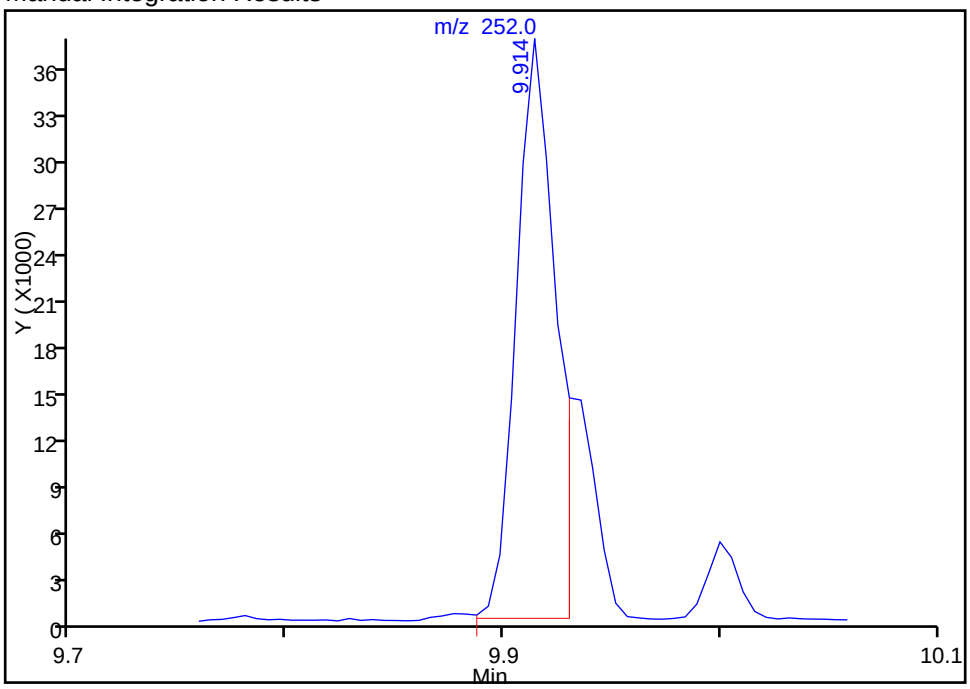
Processing Integration Results

RT: 9.91
Response: 56989
Amount: 1.243512



Manual Integration Results

RT: 9.91
Response: 47351
Amount: 1.033209



Reviewer: webbk, 20-Oct-2014 09:05:50
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

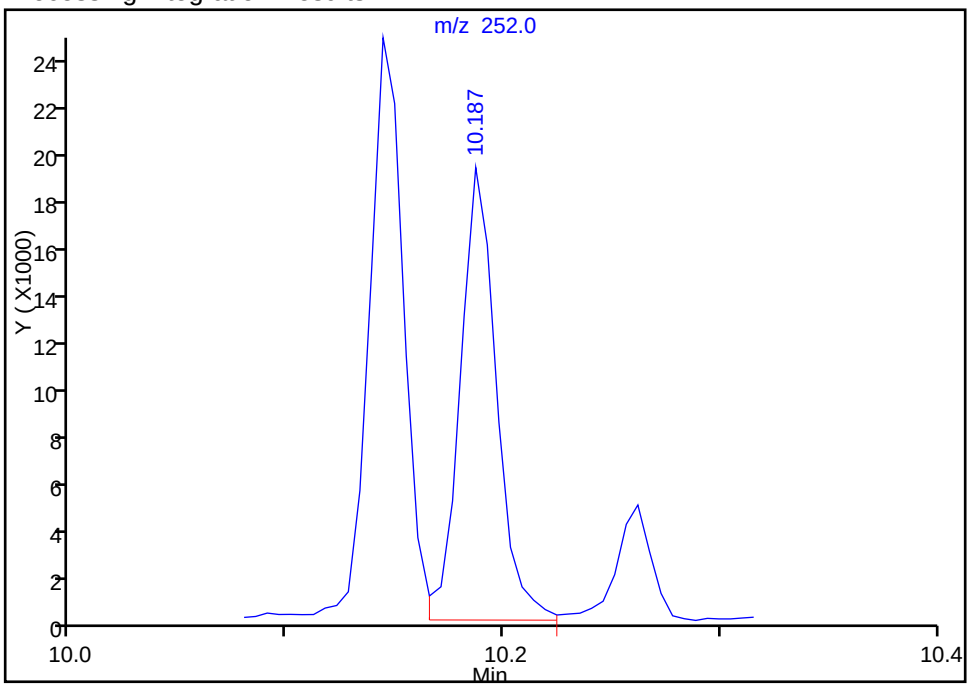
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1721.D				
Injection Date:	17-Oct-2014 17:01:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-49-A	Lab Sample ID:	680-106200-49		
Client ID:	CV0753A-CS (0-4")				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	21
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

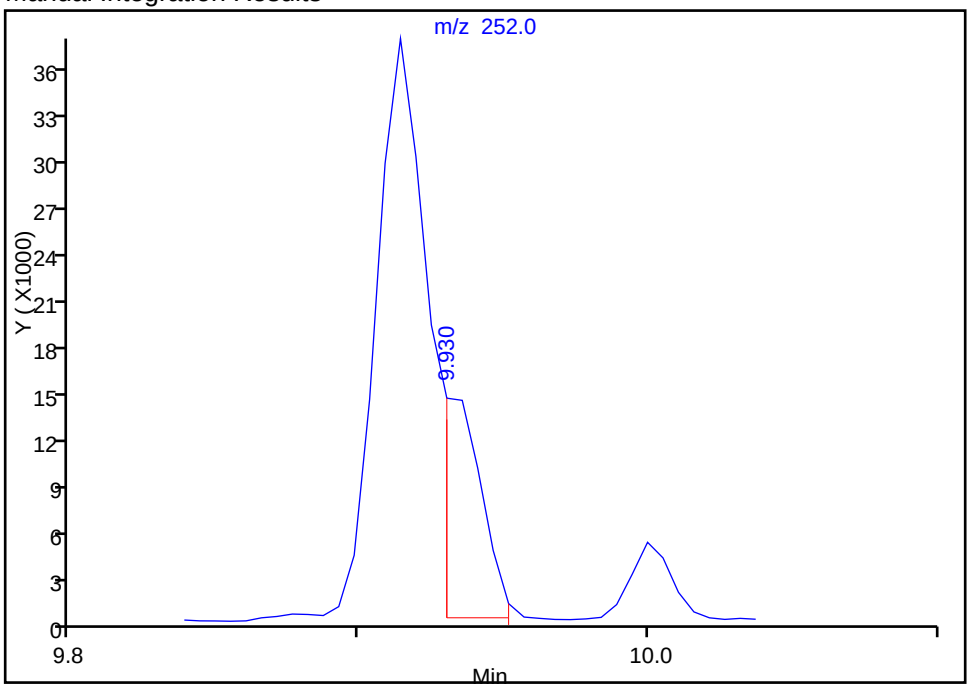
Processing Integration Results

RT: 10.19
Response: 21782
Amount: 0.489790



Manual Integration Results

RT: 9.93
Response: 13701
Amount: 0.307842



Reviewer: webbk, 20-Oct-2014 09:05:50
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0753A-CSD (0-4") | Lab Sample ID: 680-106200-50

Matrix: Solid | Lab File ID: 1YJ1722.D

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

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

Sample wt/vol: 30.03(g) | Date Analyzed: 10/17/2014 17:23

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

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

% Moisture: 12.4 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	76	U	76	38
208-96-8	Acenaphthylene	76	U	76	38
120-12-7	Anthracene	43	J	76	38
56-55-3	Benzo[a]anthracene	280		76	38
50-32-8	Benzo[a]pyrene	260		76	14
205-99-2	Benzo[b]fluoranthene	440		76	38
191-24-2	Benzo[g,h,i]perylene	180		76	38
207-08-9	Benzo[k]fluoranthene	140		76	23
218-01-9	Chrysene	390		76	38
53-70-3	Dibenz(a,h)anthracene	110		76	38
206-44-0	Fluoranthene	400		76	38
86-73-7	Fluorene	76	U	76	38
193-39-5	Indeno[1,2,3-cd]pyrene	130		76	38
90-12-0	1-Methylnaphthalene	140		76	35
91-57-6	2-Methylnaphthalene	160		76	38
91-20-3	Naphthalene	130		76	38
85-01-8	Phenanthrene	290		76	27
129-00-0	Pyrene	440		76	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\1YJ1722.D				
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Sample Type:	Client				
Inject. Date:	17-Oct-2014 17:23:30	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	106200-A-50-A 1:10				
Misc. Info.:	680-0013845-022				
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 09:07:19

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	137049	2.00	
* 2 Acenaphthene-d10	164	4.443	4.437	0.006	92	76703	2.00	
* 3 Phenanthrene-d10	188	6.010	6.005	0.006	98	128916	2.00	
* 4 Chrysene-d12	240	8.882	8.877	0.005	99	99621	2.00	
* 5 Perylene-d12	264	10.240	10.225	0.015	99	77611	2.00	
7 Naphthalene	128	2.779	2.774	0.005	99	25356	0.3392	
8 2-Methylnaphthalene	142	3.416	3.410	0.006	85	20633	0.4162	
9 1-Methylnaphthalene	142	3.507	3.501	0.005	94	16969	0.3692	
15 Phenanthrene	178	6.031	6.031	0.000	96	58625	0.7599	
16 Anthracene	178	6.090	6.085	0.005	99	8692	0.1133	
17 Fluoranthene	202	7.325	7.320	0.005	98	85050	1.04	
18 Pyrene	202	7.561	7.556	0.005	98	75923	1.17	
19 Benzo[a]anthracene	228	8.877	8.866	0.011	97	43015	0.7383	
20 Chrysene	228	8.909	8.903	0.006	99	56160	1.01	
21 Benzo[b]fluoranthene	252	9.914	9.904	0.010	98	58476	1.15	M
22 Benzo[k]fluoranthene	252	9.936	9.930	0.006	99	18320	0.3697	M
23 Benzo[a]pyrene	252	10.187	10.176	0.011	96	28410	0.6767	
24 Indeno[1,2,3-cd]pyrene	276	11.086	11.070	0.016	99	18459	0.3375	
25 Dibenz(a,h)anthracene	278	11.107	11.091	0.016	95	10857	0.2959	
26 Benzo[g,h,i]perylene	276	11.294	11.273	0.021	98	18484	0.4829	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

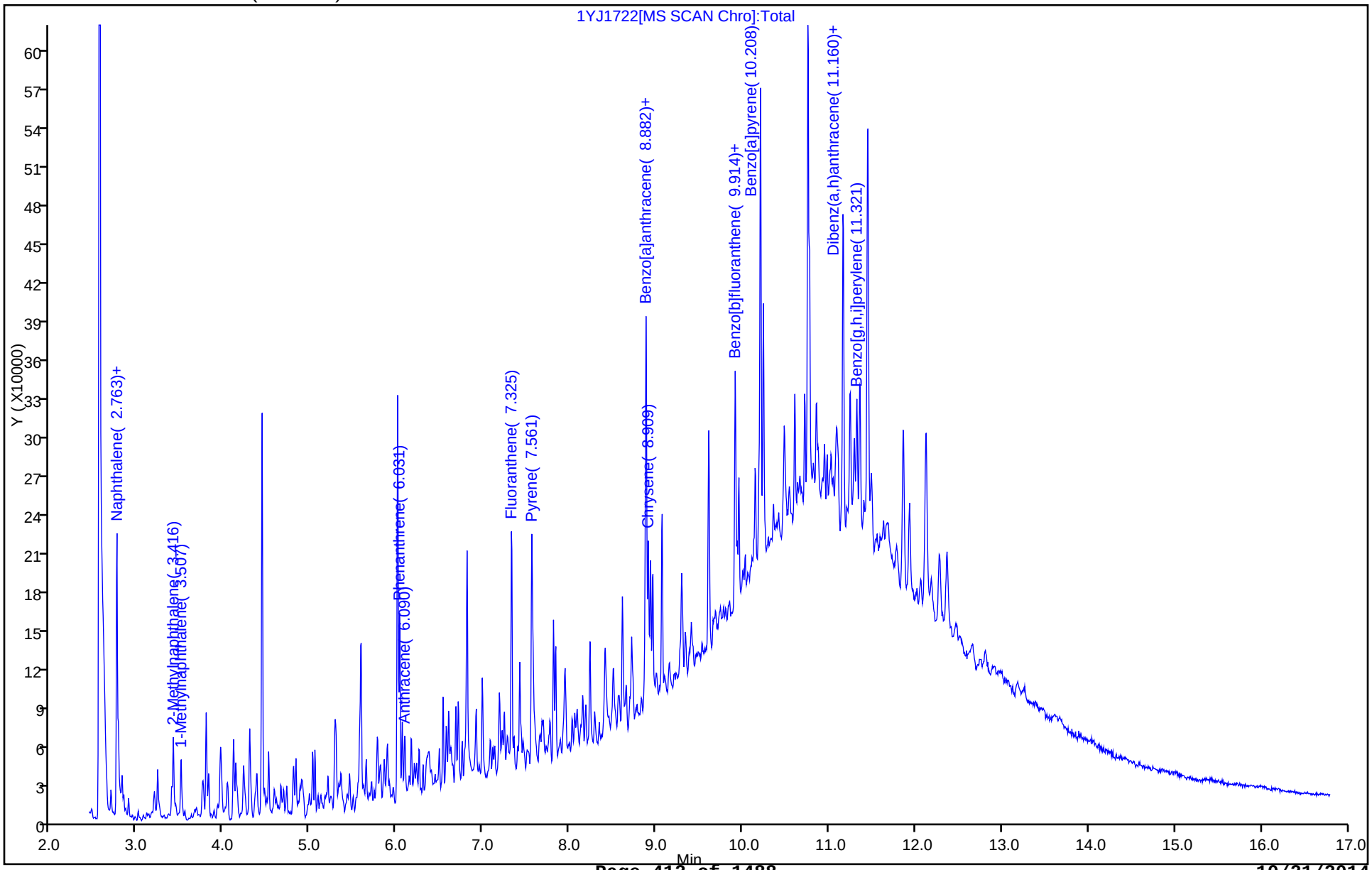
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50	Worklist Smp#:	22
Client ID:	CV0753A-CSD (0-4")				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	22
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

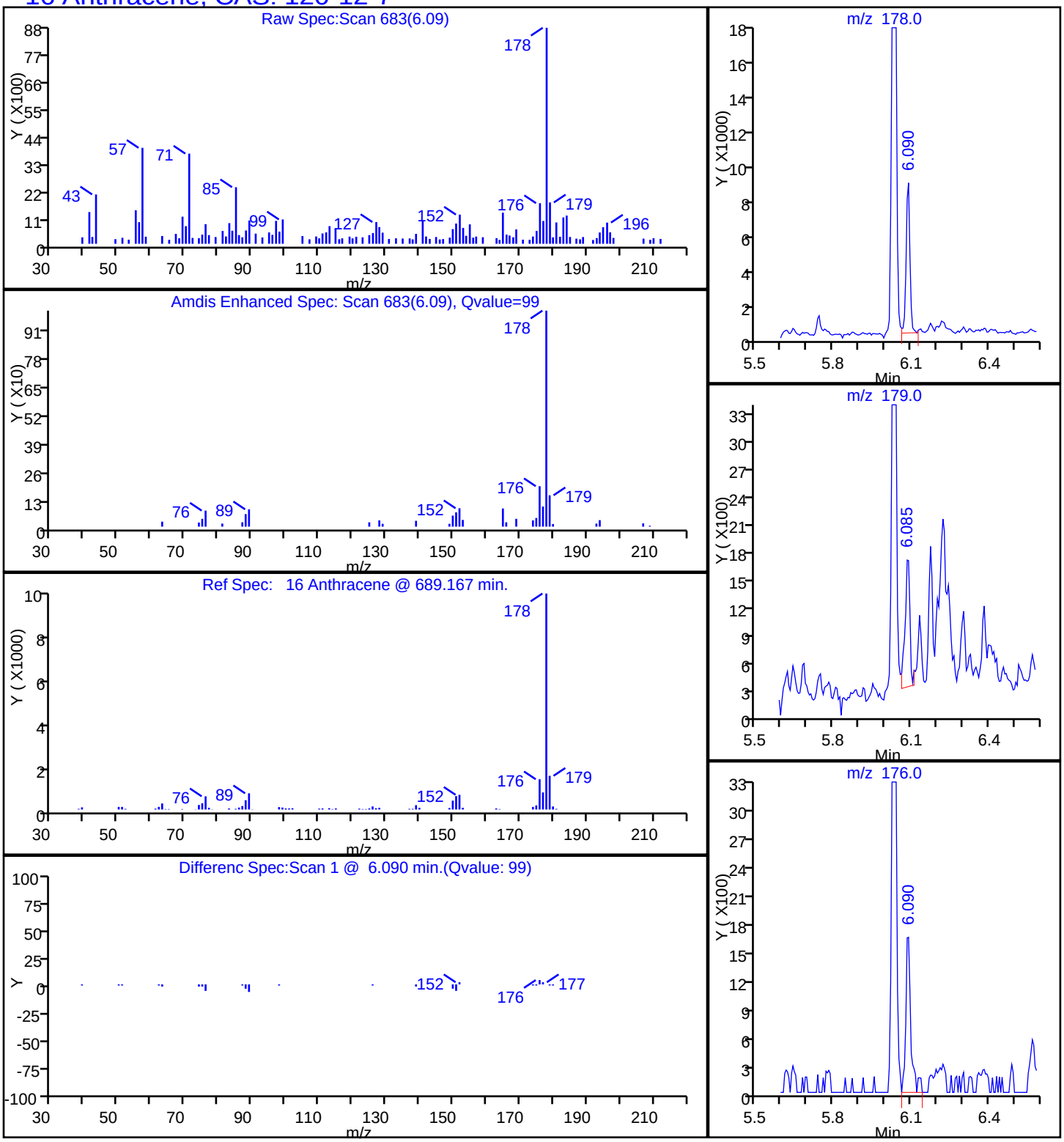


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

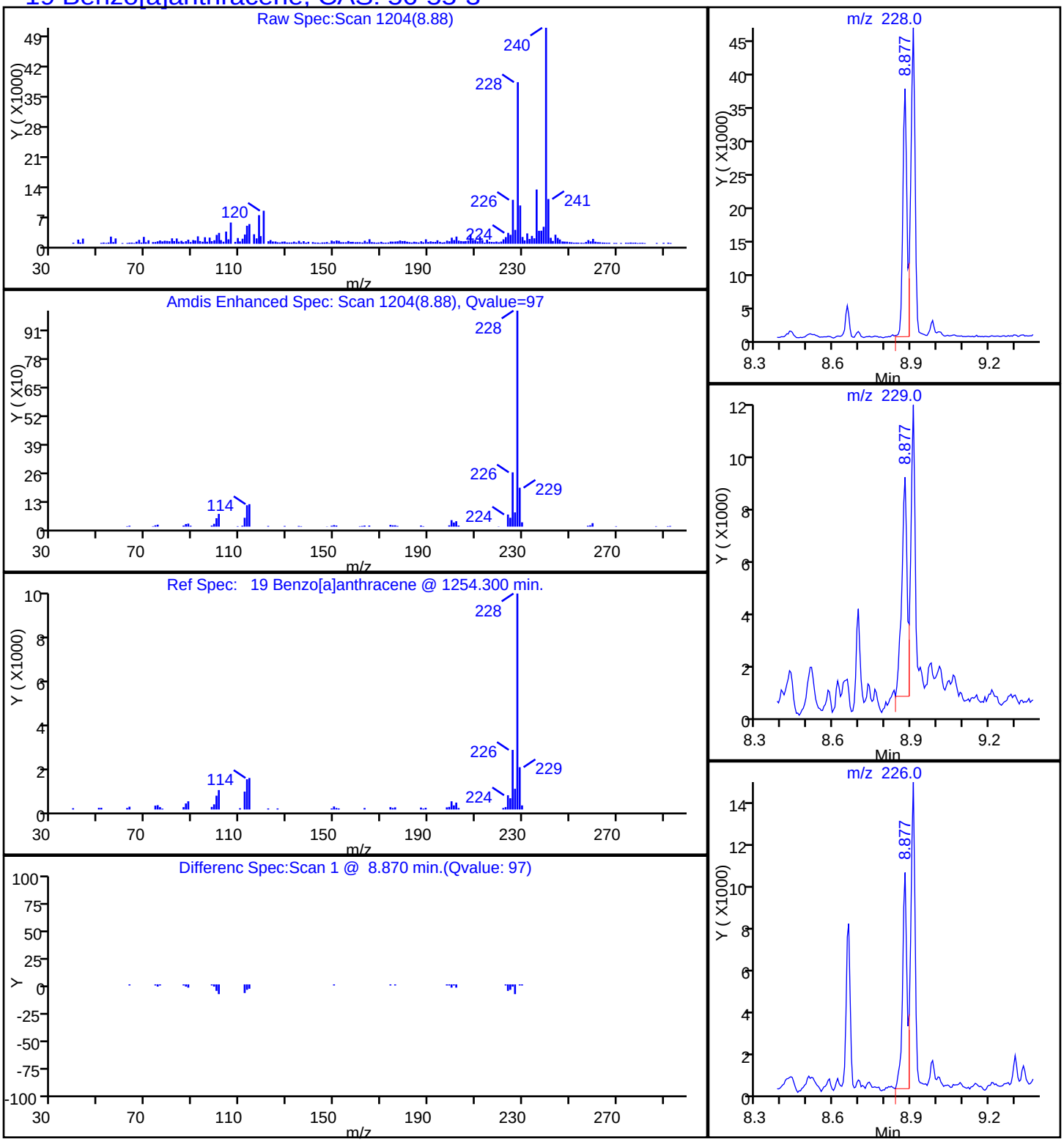


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

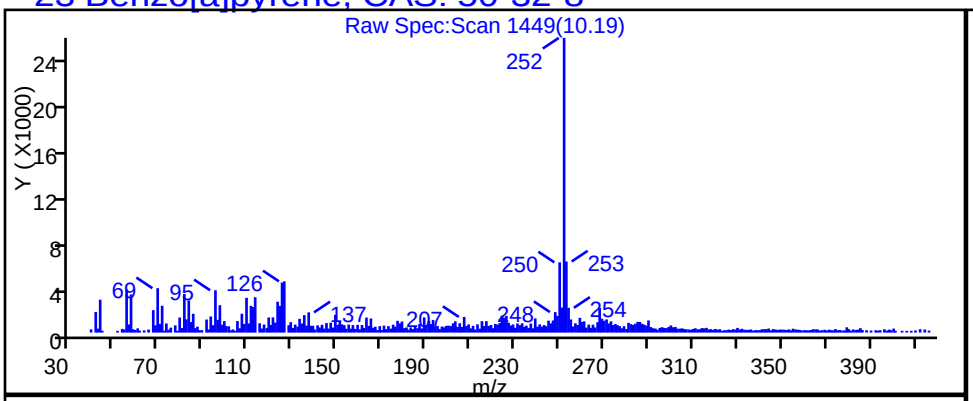


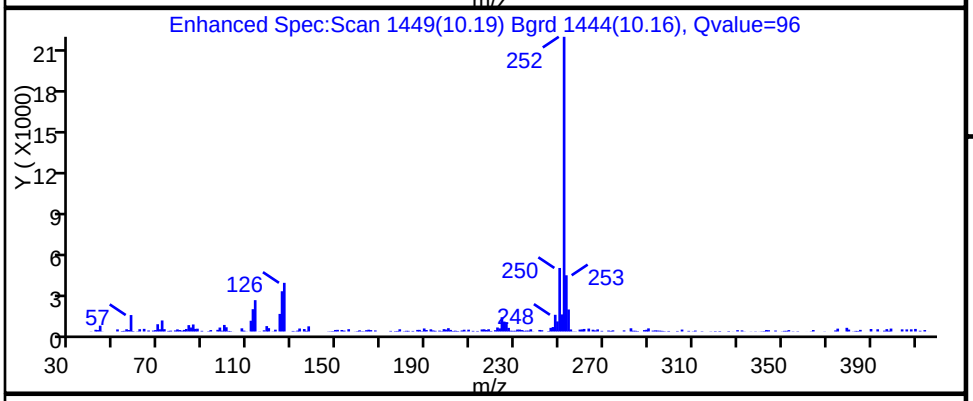
Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

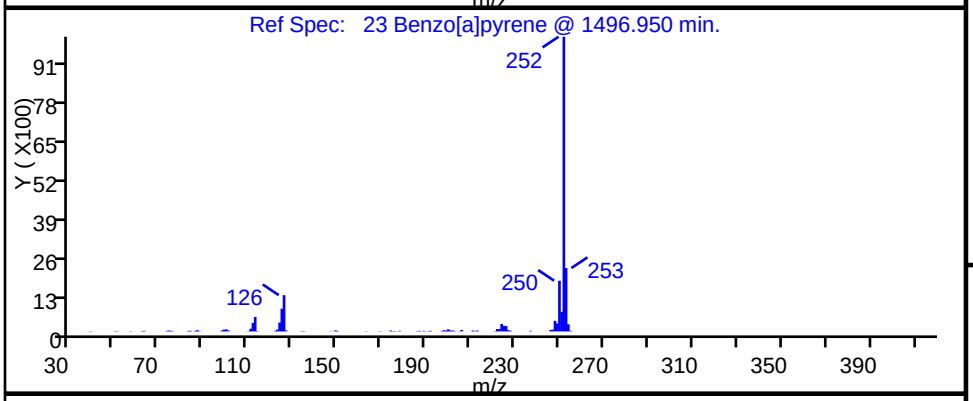
TestAmerica Savannah

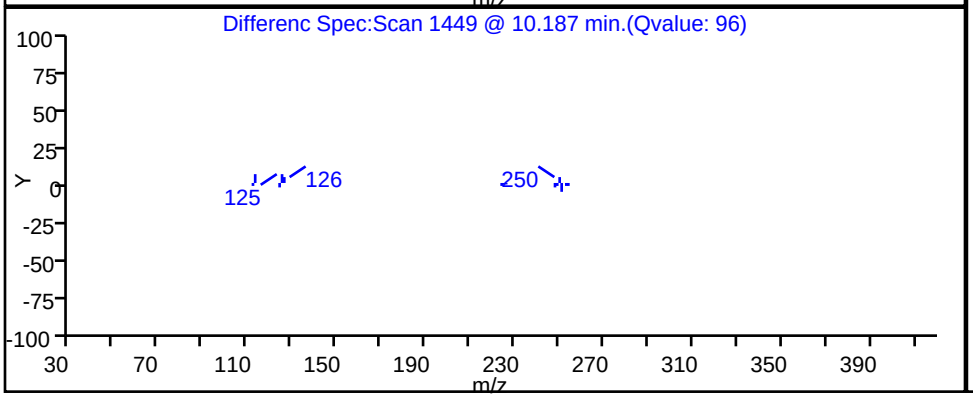
Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

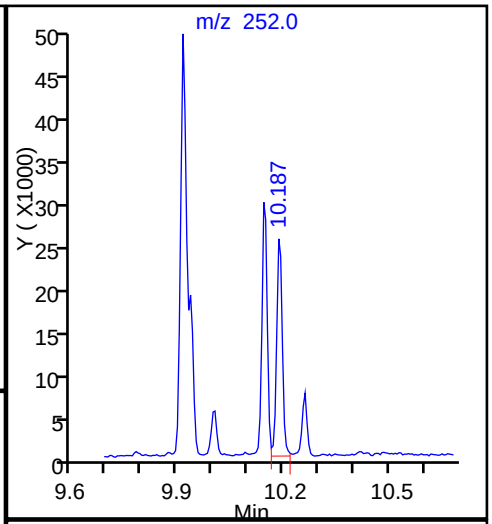
23 Benzo[a]pyrene, CAS: 50-32-8

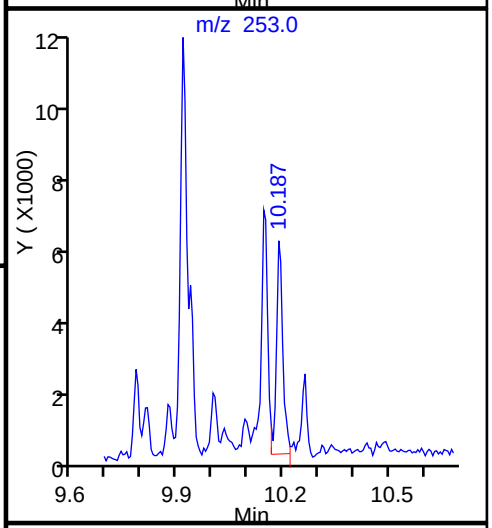


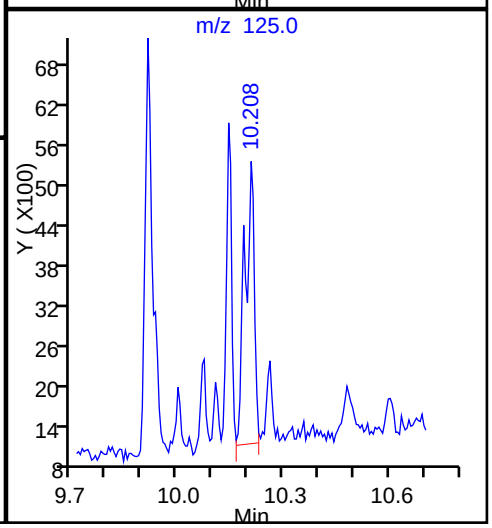










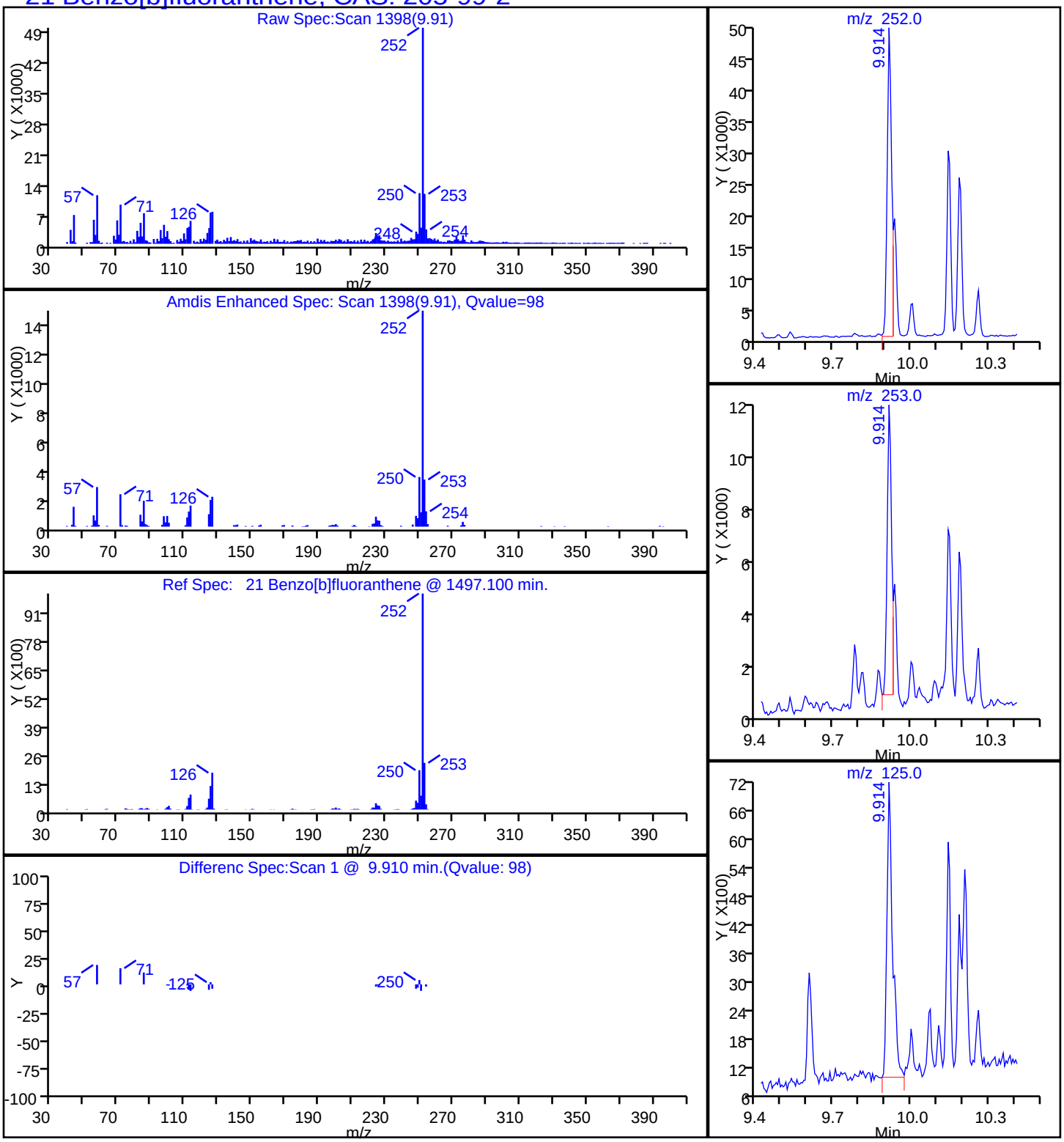


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

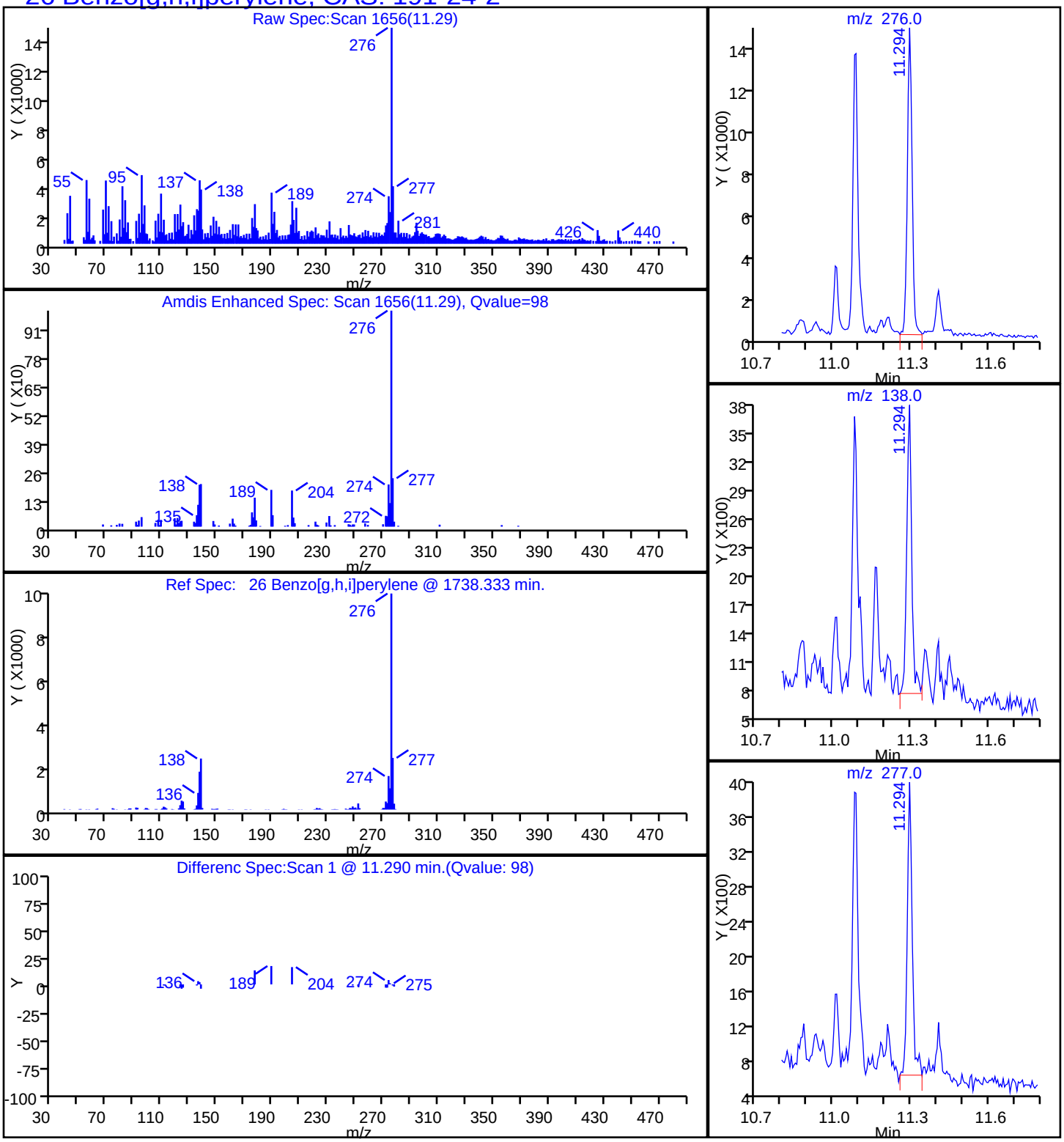


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

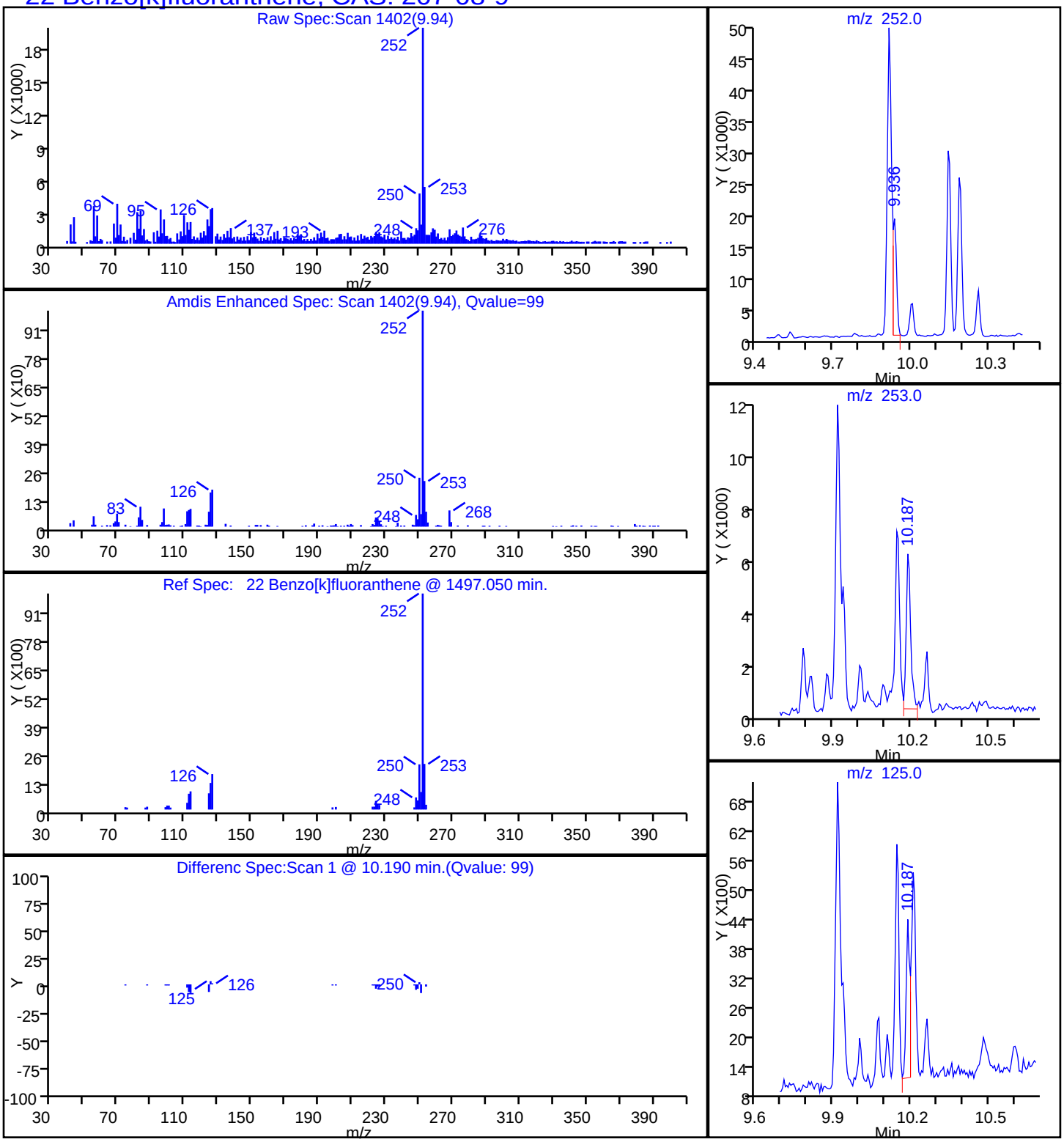


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

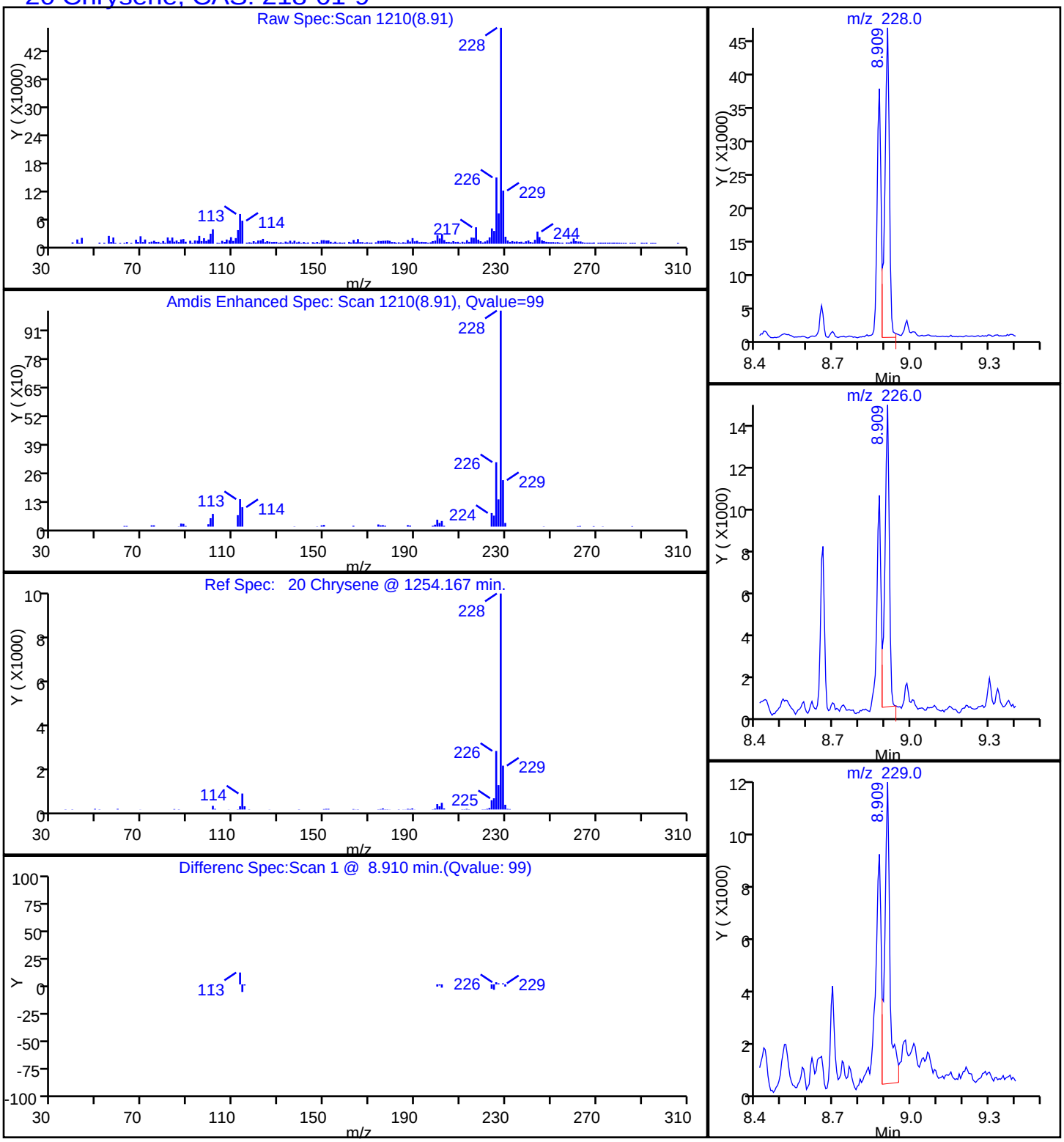


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

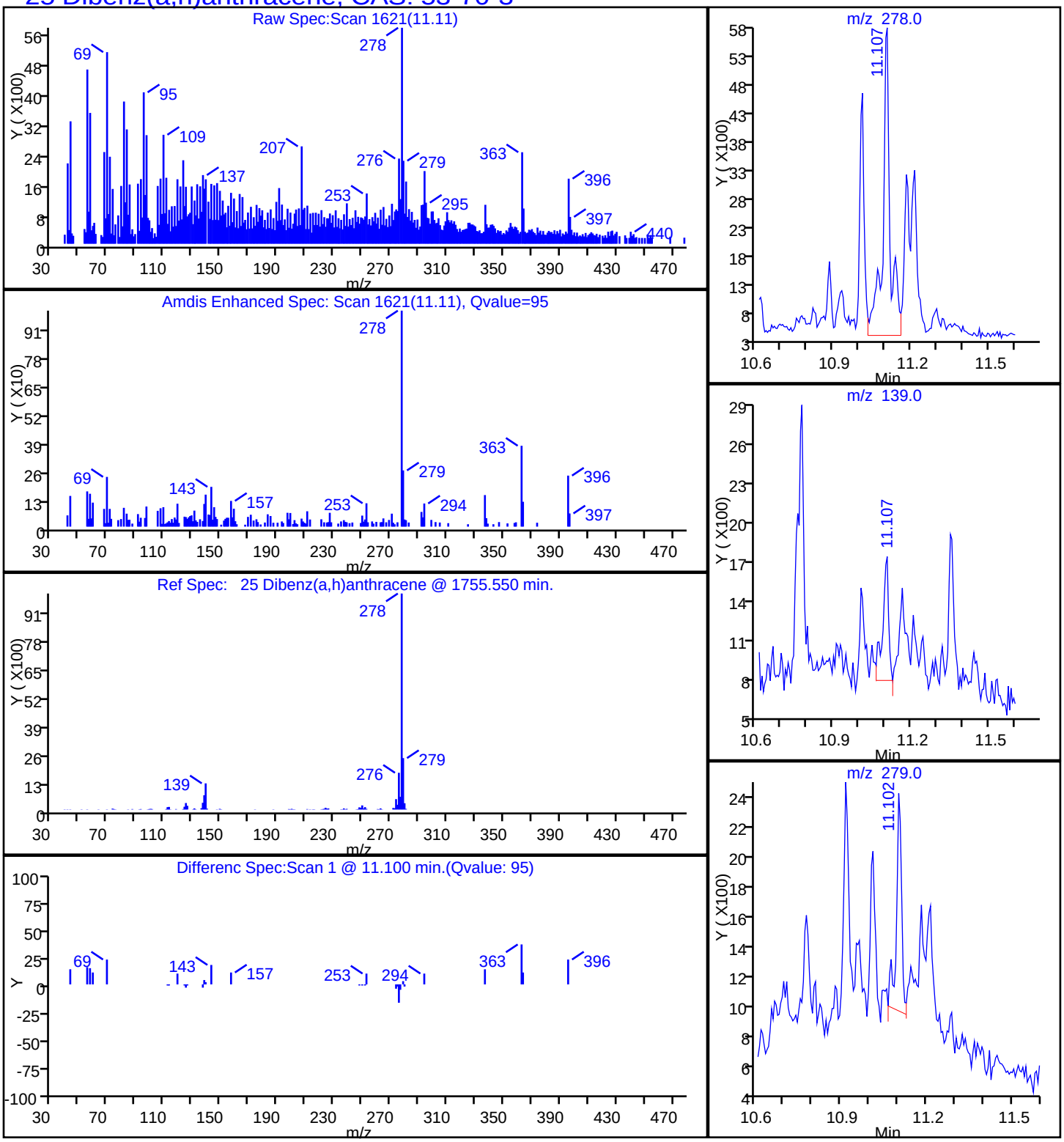


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

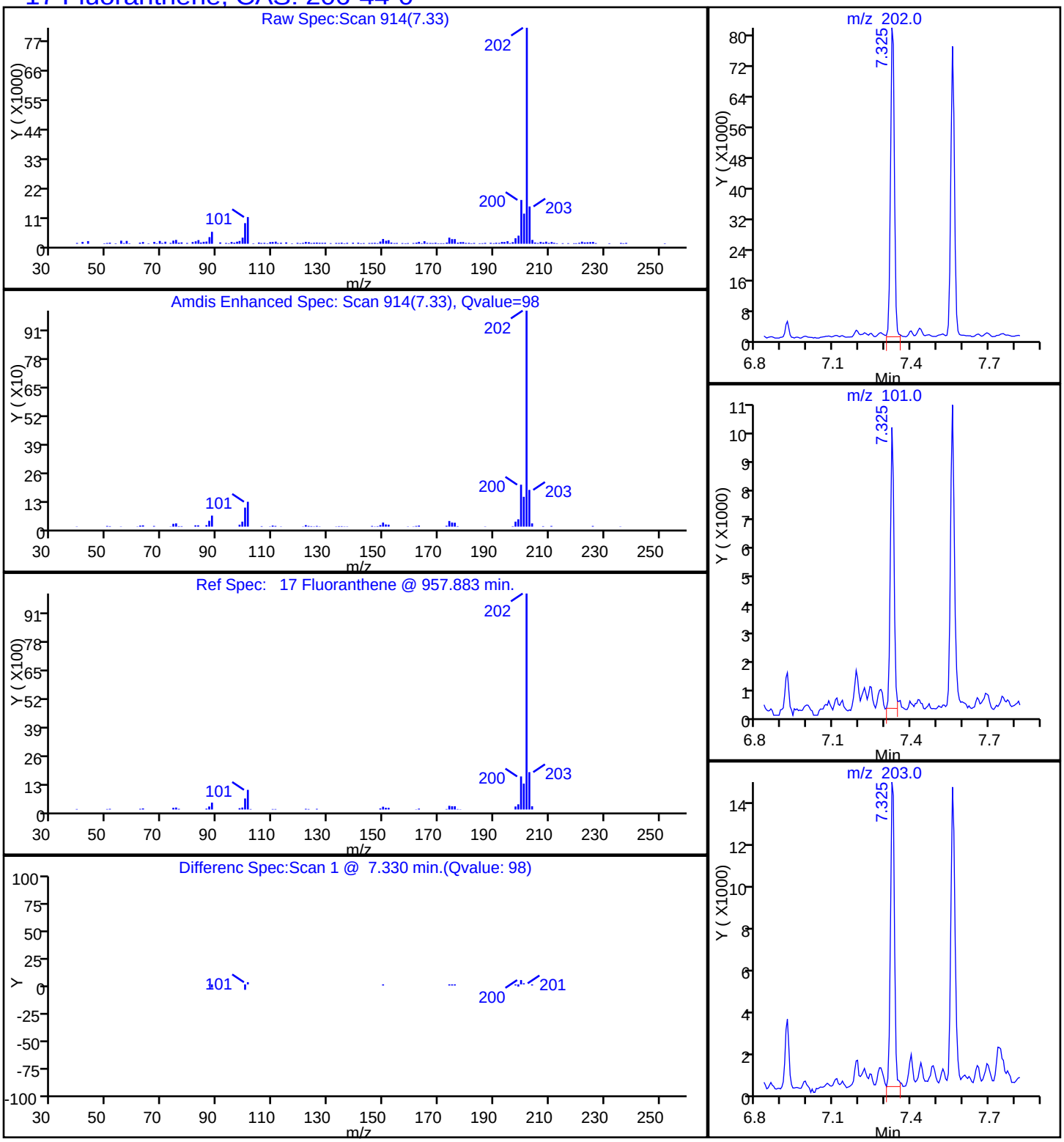


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

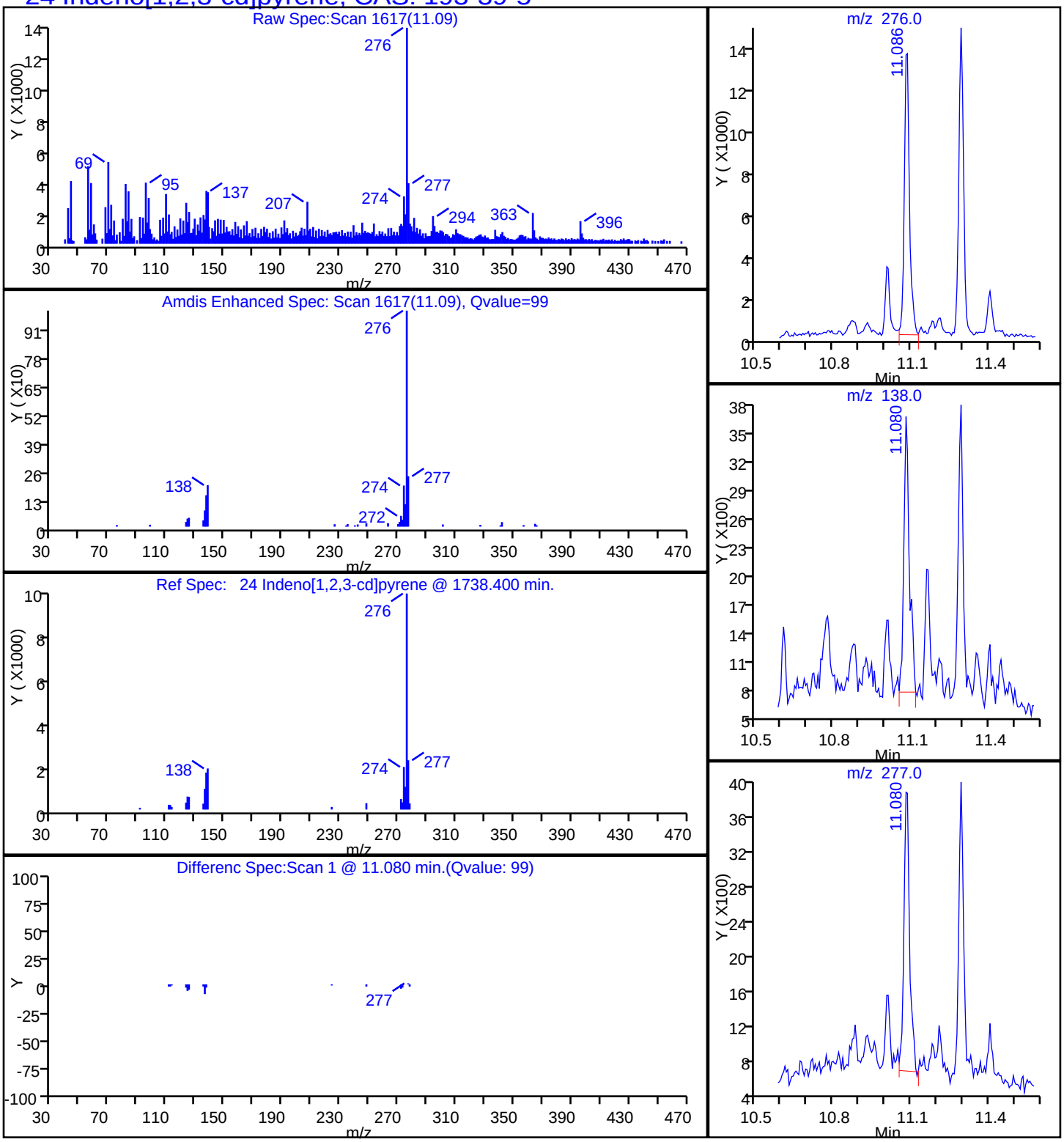


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

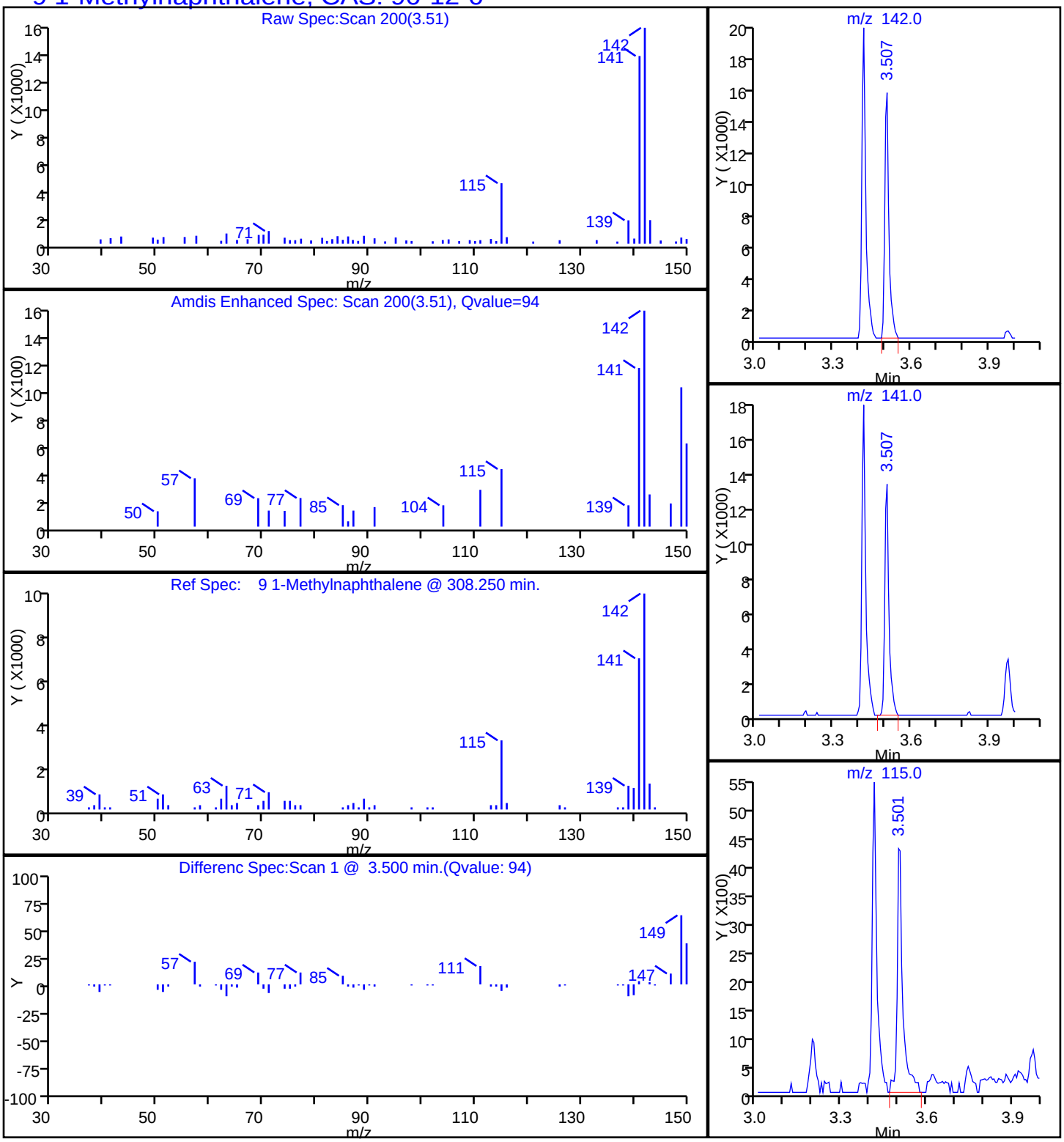


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

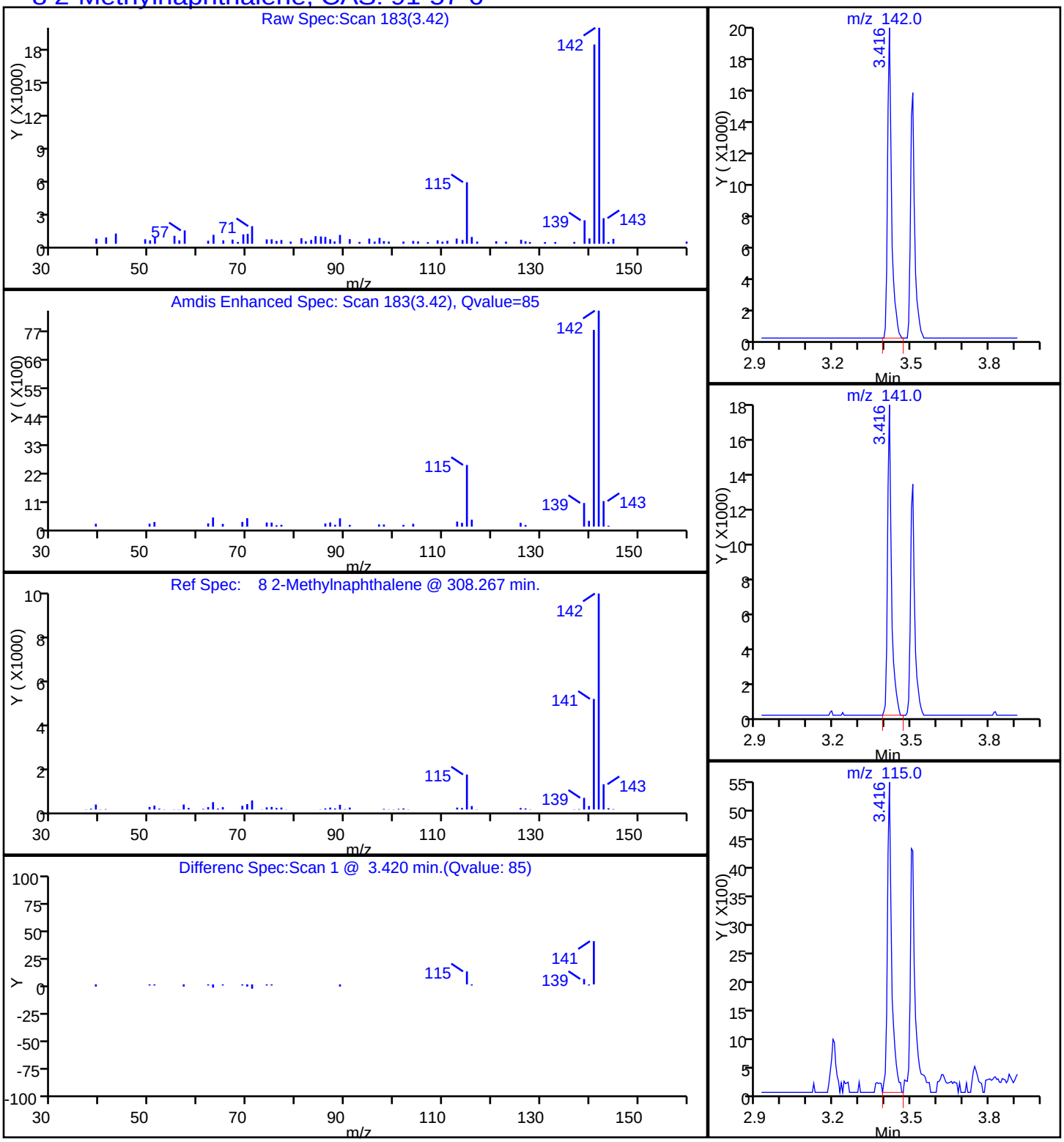


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

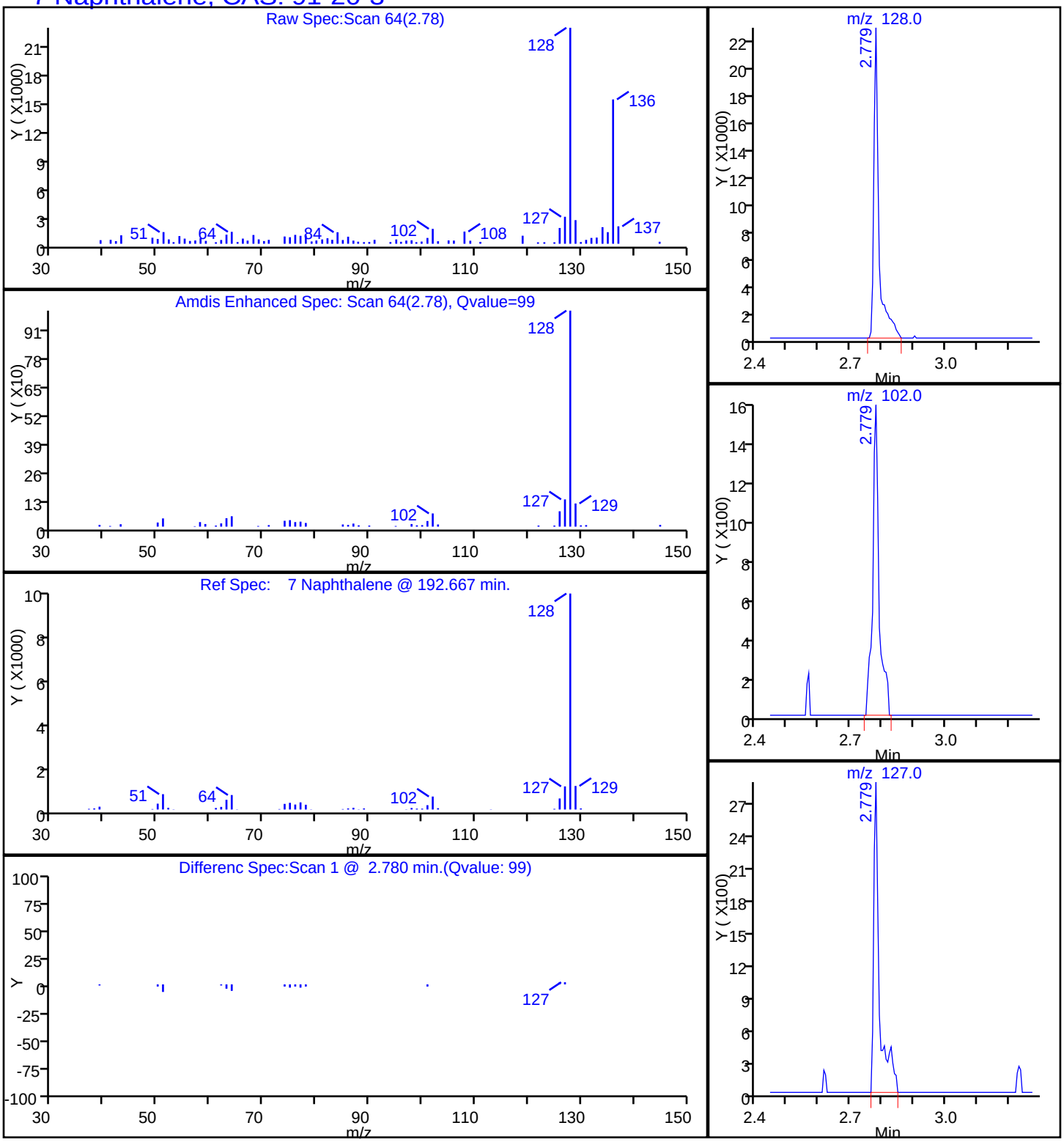


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

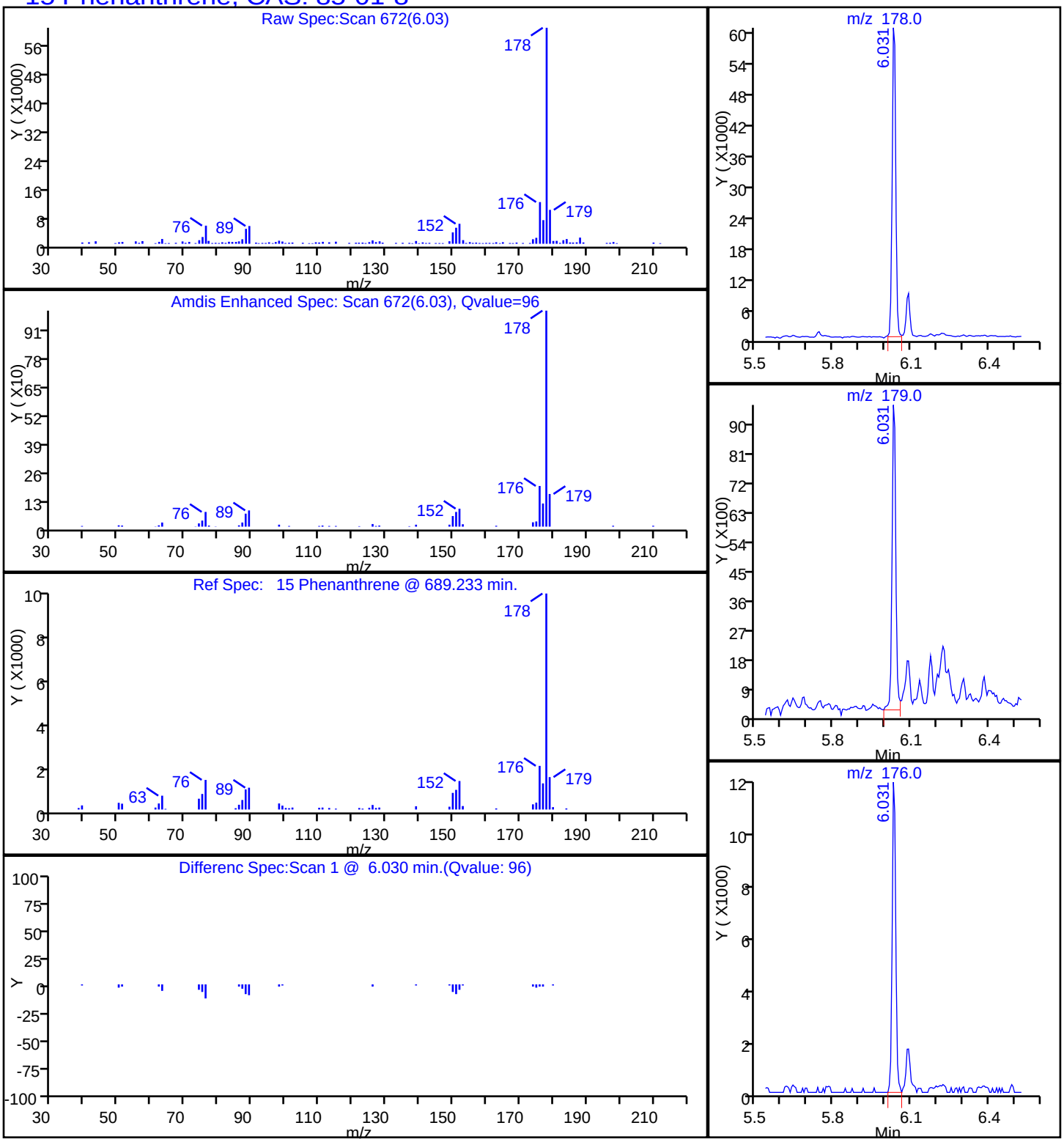


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

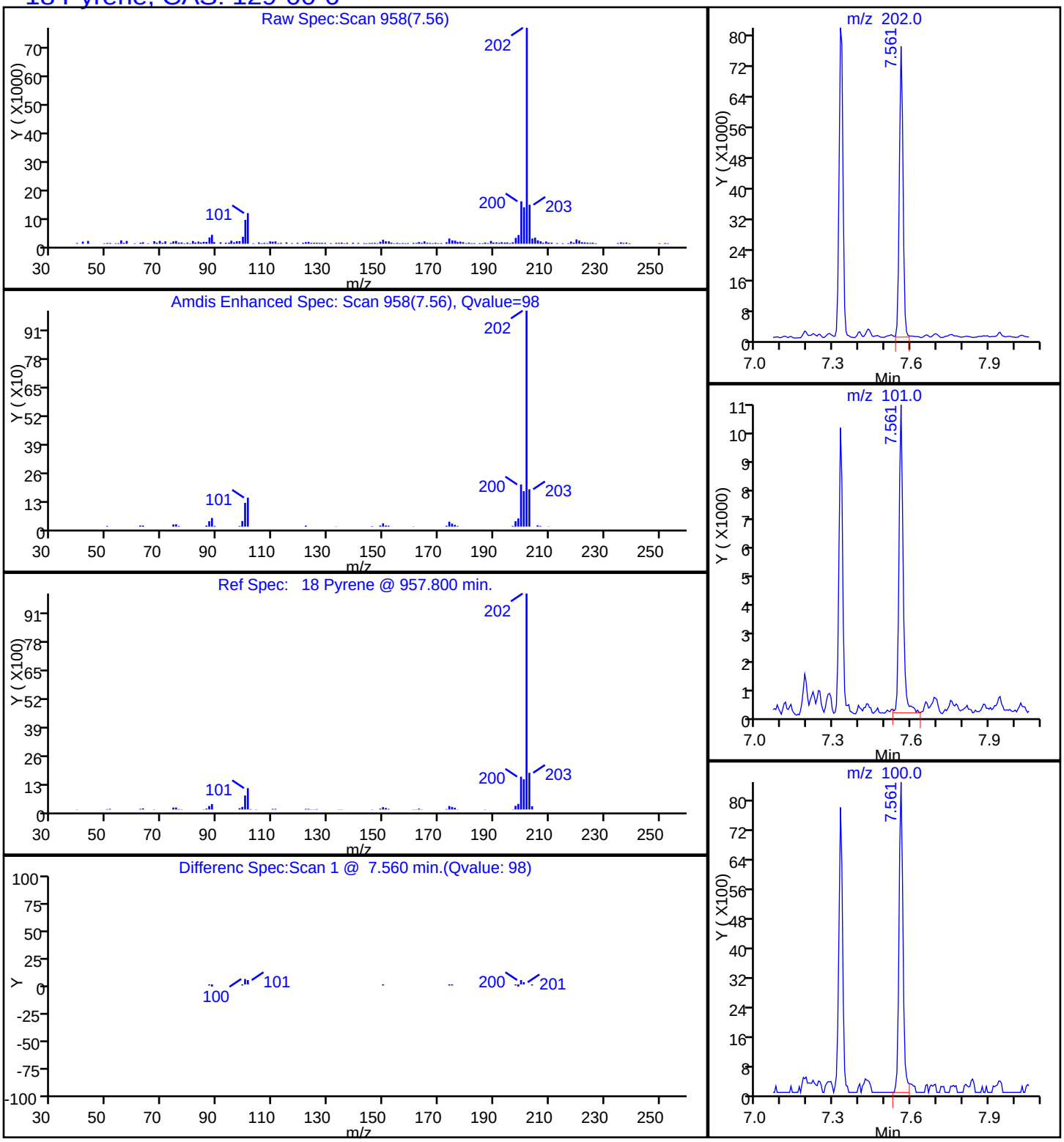


Report Date: 20-Oct-2014 09:22:14 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

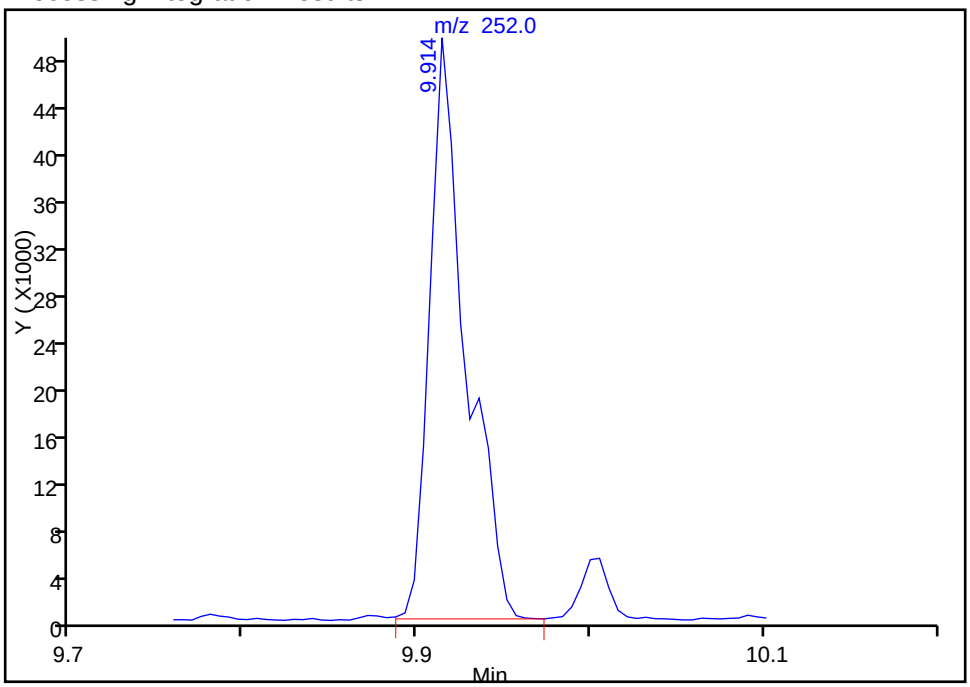
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

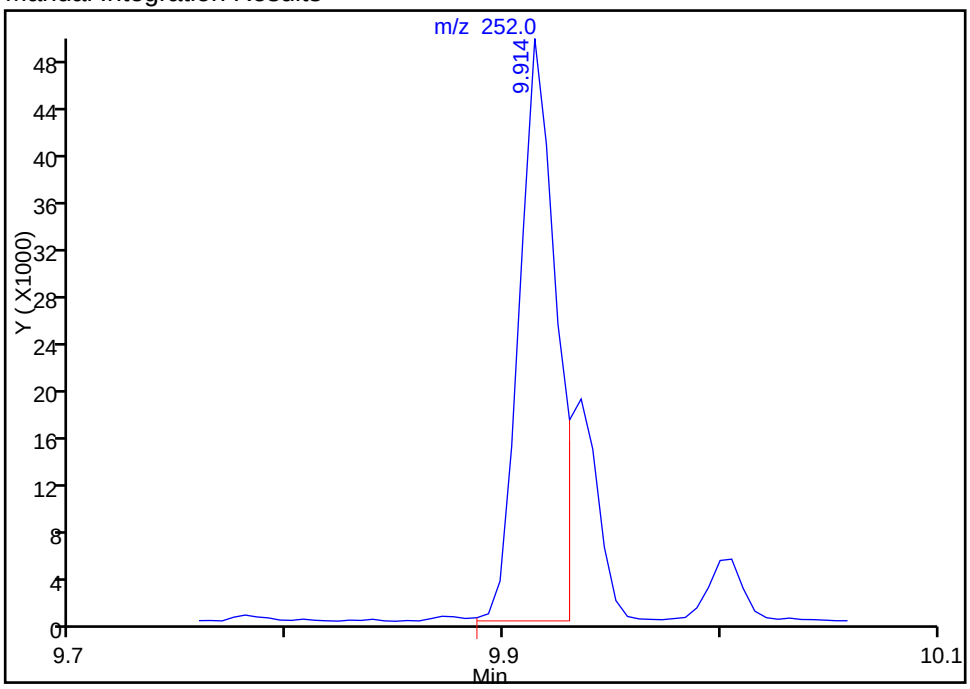
Processing Integration Results

RT: 9.91
Response: 71346
Amount: 1.397698



Manual Integration Results

RT: 9.91
Response: 58476
Amount: 1.145569



Reviewer: webbk, 20-Oct-2014 09:07:19
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

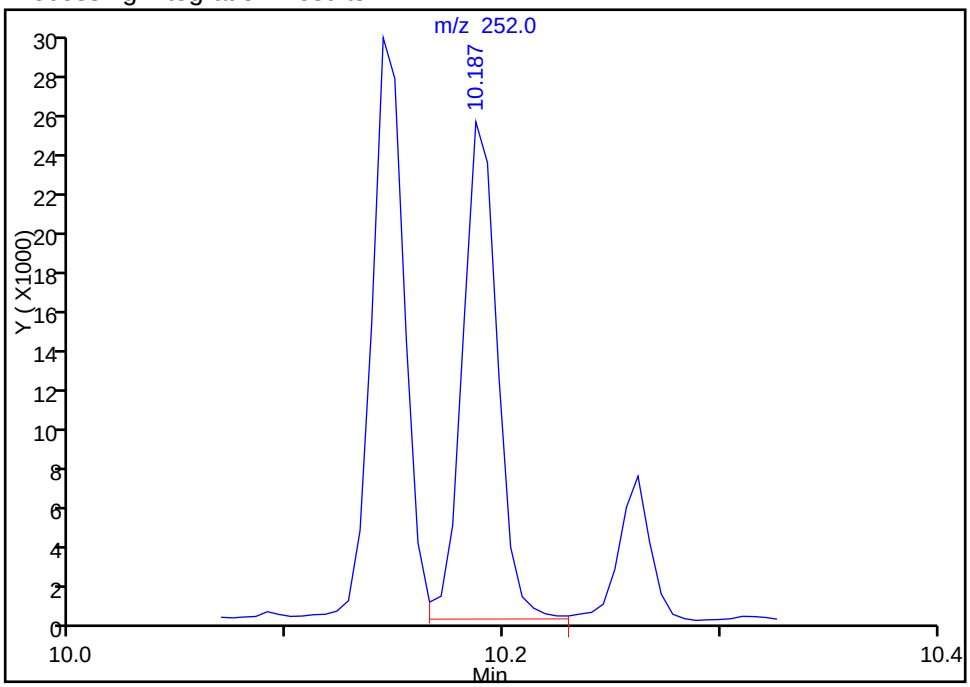
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1722.D				
Injection Date:	17-Oct-2014 17:23:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-50-A	Lab Sample ID:	680-106200-50		
Client ID:	CV0753A-CSD (0-4")				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	22
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

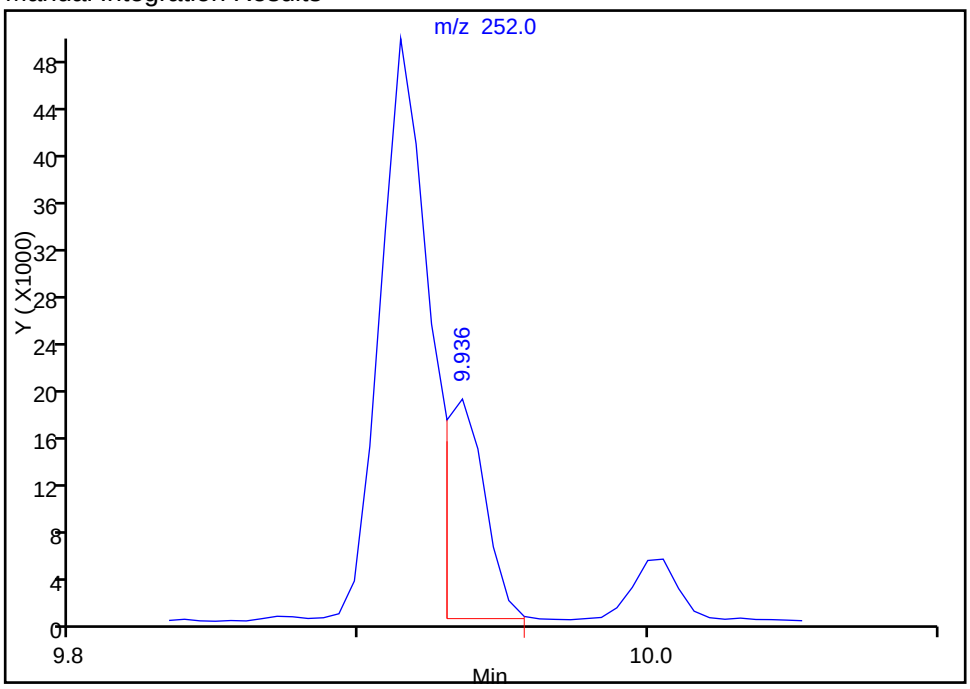
Processing Integration Results

RT: 10.19
Response: 28269
Amount: 0.570896



Manual Integration Results

RT: 9.94
Response: 18320
Amount: 0.369658



Reviewer: webbk, 20-Oct-2014 09:07:19
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.: 680-106200-3 Analy Batch No.: 352395

SDG No.: 680-106200-03

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

Calibration Start Date: 10/07/2014 15:08 Calibration End Date: 10/07/2014 17:27 Calibration ID: 34889

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-352395/9	1KJ0709.D
Level 2	IC 680-352395/4	1KJ0704.D
Level 3	IC 680-352395/8	1KJ0708.D
Level 4	IC 680-352395/7	1KJ0707.D
Level 5	ICIS 680-352395/3	1KJ0703.D
Level 6	IC 680-352395/6	1KJ0706.D
Level 7	IC 680-352395/5	1KJ0705.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	+++++ 1.1083	1.0117 1.0866	1.1063	1.0788	1.0726	Ave		1.0774			0.7000	3.3		20.0			
2-Methylnaphthalene	+++++ 0.6631	0.6107 0.6407	0.6372	0.6288	0.6399	Ave		0.6367			0.4000	2.7		20.0			
1-Methylnaphthalene	+++++ 0.6117	0.5636 0.5882	0.5931	0.5969	0.5849	Ave		0.5897				2.7		20.0			
Acenaphthylene	+++++ 2.0849	1.6549 1.9980	1.9018	1.8615	1.9369	Ave		1.9063			0.9000	7.7		20.0			
Acenaphthene	+++++ 1.3264	1.1796 1.2422	1.2359	1.2282	1.2511	Ave		1.2439			0.9000	3.8		20.0			
Fluorene	+++++ 1.3303	1.0563 1.2530	1.1740	1.1647	1.2076	Ave		1.1977			0.9000	7.7		20.0			
Phenanthrene	+++++ 1.2663	1.1181 1.2076	1.1755	1.1892	1.1343	Ave		1.1818			0.7000	4.5		20.0			
Anthracene	+++++ 1.2233	0.9204 1.1767	1.0546	1.0998	1.0923	Ave		1.0945			0.7000	9.6		20.0			
Fluoranthene	+++++ 1.2360	0.9796 1.2079	1.0707	1.1318	1.1393	Ave		1.1276			0.6000	8.3		20.0			
Pyrene	+++++ 1.6897	1.6553 1.6674	1.9019	1.5957	1.6115	Ave		1.6869			0.6000	6.6		20.0			
Benzo[a]anthracene	+++++ 1.2503	1.0902 1.2136	1.1303	1.1446	1.1050	Ave		1.1557			0.7000	5.5		20.0			
Chrysene	+++++ 1.1731	1.1302 1.1040	1.2747	1.1257	1.0624	Ave		1.1450			0.7000	6.4		20.0			
Benzo[b]fluoranthene	+++++ 1.4088	1.2901 1.3767	1.2406	1.2563	1.2865	Ave		1.3098			0.4000	5.2		20.0			
Benzo[k]fluoranthene	+++++ 1.4060	1.1795 1.3140	1.2829	1.2833	1.1850	Ave		1.2751			0.4000	6.7		20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-3 Analy Batch No.: 352395

SDG No.: 680-106200-03

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

Calibration Start Date: 10/07/2014 15:08 Calibration End Date: 10/07/2014 17:27 Calibration ID: 34889

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	+++++ 1.2594	0.9669 1.1997	1.1216	1.1118	1.0958	Ave		1.1259			0.4000	8.9		20.0			
Indeno[1,2,3-cd]pyrene	+++++ 1.1670	1.4111 1.0389	1.2151	1.1925	0.9894	QuaF		1.1764	-0.006635						0.9970		0.9900
Dibenz(a,h)anthracene	+++++ 1.0932	1.1934 0.9610	1.0819	1.0938	0.9471	QuaF		1.1196	-0.007719						0.9980		0.9900
Benzo[g,h,i]perylene	+++++ 1.1296	1.3927 0.9996	1.2506	1.2189	0.9923	QuaF		1.1618	-0.007921						0.9980		0.9900
o-Terphenyl	+++++ 0.8740	1.0797 0.8435	1.1182	0.9102	0.8308	Ave		0.9427				13.0		20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-3 Analy Batch No.: 352395

SDG No.: 680-106200-03

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

Calibration Start Date: 10/07/2014 15:08 Calibration End Date: 10/07/2014 17:27 Calibration ID: 34889

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-352395/9	1KJ0709.D
Level 2	IC 680-352395/4	1KJ0704.D
Level 3	IC 680-352395/8	1KJ0708.D
Level 4	IC 680-352395/7	1KJ0707.D
Level 5	ICIS 680-352395/3	1KJ0703.D
Level 6	IC 680-352395/6	1KJ0706.D
Level 7	IC 680-352395/5	1KJ0705.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	+++++ 2397475	22518 4650374	129267	246903	1200282	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
2-Methylnaphthalene	NPT	Ave	+++++ 1434344	13593 2741856	74455	143918	716006	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
1-Methylnaphthalene	NPT	Ave	+++++ 1323134	12544 2517108	69297	136623	654547	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Acenaphthylene	ANT	Ave	+++++ 1980190	16881 3892176	98217	196707	970747	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Acenaphthene	ANT	Ave	+++++ 1259808	12033 2419860	63827	129787	627018	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Fluorene	ANT	Ave	+++++ 1263455	10775 2440869	60628	123082	605236	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Phenanthrene	PHN	Ave	+++++ 1660664	13966 3260082	76101	167093	790732	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Anthracene	PHN	Ave	+++++ 1604208	11497 3176840	68275	154532	761468	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Fluoranthene	PHN	Ave	+++++ 1620908	12237 3260980	69321	159030	794218	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Pyrene	CRY	Ave	+++++ 1705955	12615 3377464	73764	164997	848338	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Benzo[a]anthracene	CRY	Ave	+++++ 1262344	8308 2458357	43838	118355	581715	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Chrysene	CRY	Ave	+++++ 1184360	8613 2236216	49436	116404	559293	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Benzo[b]fluoranthene	PRY	Ave	+++++ 1229294	9137 2446246	44506	117662	589175	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Benzo[k]fluoranthene	PRY	Ave	+++++ 1226862	8354 2334756	46022	120189	542703	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Benzo[a]pyrene	PRY	Ave	+++++ 1098948	6848 2131690	40235	104129	501832	+++++ 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.: 680-106200-3 Analy Batch No.: 352395

SDG No.: 680-106200-03

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

Calibration Start Date: 10/07/2014 15:08 Calibration End Date: 10/07/2014 17:27 Calibration ID: 34889

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	+++++ 1178202	10754 2104479	47126	123311	520857	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Dibenz(a,h)anthracene	PRY	QuaF	+++++ 953872	8452 1707605	38812	102444	433755	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
Benzo[g,h,i]perylene	PRY	QuaF	+++++ 985699	9864 1776117	44864	114159	454438	+++++ 10.0	0.100 20.0	0.500	1.00	5.00
o-Terphenyl	CRY	Ave	+++++ 882409	8228 1708676	43366	94113	437347	+++++ 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\CMSK\20141007-13560.b\1KJ0703.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 07-Oct-2014 15:08:30 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: ICIS
Misc. Info.: 680-0013560-003
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 10:09:37 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: webbk Date: 07-Oct-2014 16:49:44

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	3.219	3.219	0.000	98	447603	2.00	2.00	
* 2 Acenaphthene-d10	164	4.917	4.917	0.000	92	200475	2.00	2.00	
* 3 Phenanthrene-d10	188	6.480	6.480	0.000	98	278854	2.00	2.00	
* 4 Chrysene-d12	240	9.312	9.312	0.000	99	210568	2.00	2.00	
* 5 Perylene-d12	264	10.640	10.640	0.000	96	183190	2.00	2.00	
$ 6 o-Terphenyl	230	6.950	6.950	0.000	90	437347	5.00	4.41	
7 Naphthalene	128	3.237	3.237	0.000	99	1200282	5.00	4.98	
9 2-Methylnaphthalene	142	3.877	3.877	0.000	88	716006	5.00	5.02	
8 1-Methylnaphthalene	142	3.971	3.971	0.000	92	654547	5.00	4.96	
11 Acenaphthylene	152	4.764	4.764	0.000	97	970747	5.00	5.08	
12 Acenaphthene	153	4.952	4.952	0.000	93	627018	5.00	5.03	
14 Fluorene	166	5.493	5.493	0.000	95	605236	5.00	5.04	
15 Phenanthrene	178	6.509	6.509	0.000	97	790732	5.00	4.80	
16 Anthracene	178	6.562	6.562	0.000	99	761468	5.00	4.99	
17 Fluoranthene	202	7.790	7.790	0.000	98	794218	5.00	5.05	
18 Pyrene	202	8.025	8.025	0.000	98	848338	5.00	4.78	
19 Benzo[a]anthracene	228	9.300	9.300	0.000	99	581715	5.00	4.78	
20 Chrysene	228	9.335	9.335	0.000	98	559293	5.00	4.64	
21 Benzo[b]fluoranthene	252	10.317	10.317	0.000	98	589175	5.00	4.91	
22 Benzo[k]fluoranthene	252	10.340	10.340	0.000	99	542703	5.00	4.65	
23 Benzo[a]pyrene	252	10.593	10.593	0.000	96	501832	5.00	4.87	
24 Indeno[1,2,3-cd]pyrene	276	11.551	11.551	0.000	98	520857	5.00	4.31	
25 Dibenz(a,h)anthracene	278	11.574	11.574	0.000	97	433755	5.00	4.36	
26 Benzo[g,h,i]perylene	276	11.803	11.803	0.000	95	454438	5.00	4.40	

Reagents:

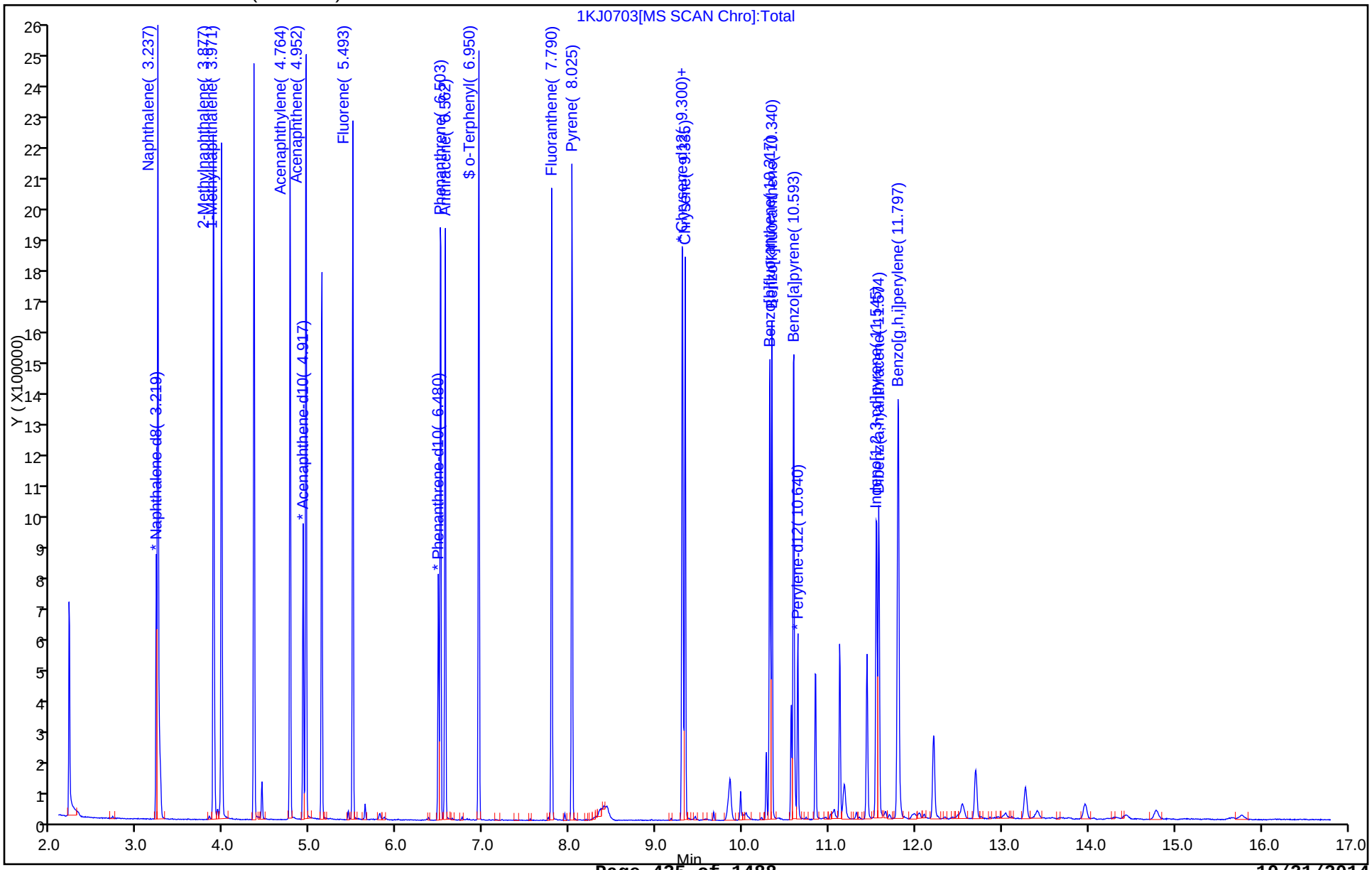
SMLLPAH5.0LVI_00022 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 10:09:39 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0703.D				
Injection Date:	07-Oct-2014 15:08:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	ICIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0704.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Oct-2014 15:31:30 ALS Bottle#: 3 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0013560-004
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 10:09:40 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: webbk Date: 07-Oct-2014 16:50:15

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	3.219	3.219	0.000	98	445173	2.00	2.00	
* 2 Acenaphthene-d10	164	4.917	4.917	0.000	90	204011	2.00	2.00	
* 3 Phenanthrene-d10	188	6.480	6.480	0.000	98	249827	2.00	2.00	
* 4 Chrysene-d12	240	9.306	9.306	0.000	98	152418	2.00	2.00	
* 5 Perylene-d12	264	10.634	10.634	0.000	97	141648	2.00	2.00	
$ 6 o-Terphenyl	230	6.944	6.944	0.000	88	8228	0.1000	0.1145	
7 Naphthalene	128	3.237	3.237	0.000	98	22518	0.1000	0.0939	
9 2-Methylnaphthalene	142	3.877	3.877	0.000	85	13593	0.1000	0.0959	
8 1-Methylnaphthalene	142	3.971	3.971	0.000	93	12544	0.1000	0.0956	
11 Acenaphthylene	152	4.764	4.764	0.000	97	16881	0.1000	0.0868	
12 Acenaphthene	153	4.946	4.946	0.000	93	12033	0.1000	0.0948	
14 Fluorene	166	5.487	5.487	0.000	96	10775	0.1000	0.0882	
15 Phenanthrene	178	6.503	6.503	0.000	96	13966	0.1000	0.0946	
16 Anthracene	178	6.556	6.556	0.000	98	11497	0.1000	0.0841	
17 Fluoranthene	202	7.790	7.790	0.000	98	12237	0.1000	0.0869	
18 Pyrene	202	8.025	8.025	0.000	97	12615	0.1000	0.0981	
19 Benzo[a]anthracene	228	9.300	9.300	0.000	96	8308	0.1000	0.0943	
20 Chrysene	228	9.330	9.330	0.000	98	8613	0.1000	0.0987	
21 Benzo[b]fluoranthene	252	10.311	10.311	0.000	97	9137	0.1000	0.0985	
22 Benzo[k]fluoranthene	252	10.334	10.334	0.000	95	8354	0.1000	0.0925	
23 Benzo[a]pyrene	252	10.581	10.581	0.000	96	6848	0.1000	0.0859	
24 Indeno[1,2,3-cd]pyrene	276	11.539	11.539	0.000	94	10754	0.1000	0.1200	
25 Dibenz(a,h)anthracene	278	11.562	11.562	0.000	94	8452	0.1000	0.1067	
26 Benzo[g,h,i]perylene	276	11.786	11.786	0.000	53	9864	0.1000	0.1200	

Reagents:

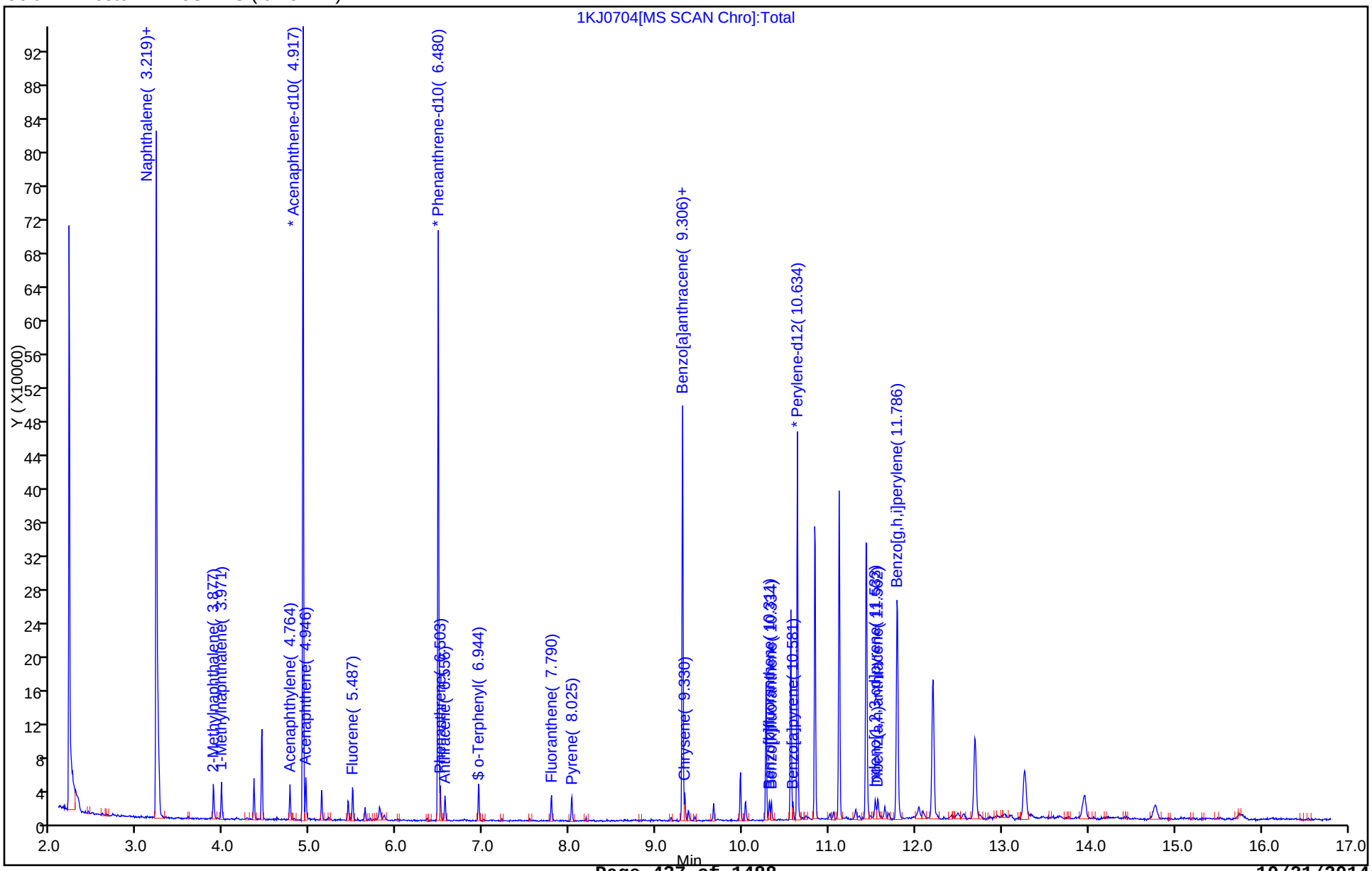
SMLLPAH0.1LVI_00019 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 10:09:40 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0704.D				
Injection Date:	07-Oct-2014 15:31:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0705.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-Oct-2014 15:54:30 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0013560-005
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 10:09:41 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: webbk Date: 07-Oct-2014 16:51:07

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	3.219	3.219	0.000	98	427968	2.00	2.00	
* 2 Acenaphthene-d10	164	4.917	4.917	0.000	91	194802	2.00	2.00	
* 3 Phenanthrene-d10	188	6.480	6.480	0.000	98	269970	2.00	2.00	
* 4 Chrysene-d12	240	9.318	9.306	0.012	99	202559	2.00	2.00	
* 5 Perylene-d12	264	10.634	10.634	0.000	97	177689	2.00	2.00	
$ 6 o-Terphenyl	230	6.956	6.944	0.012	88	1708676	20.0	17.9	
7 Naphthalene	128	3.243	3.237	0.005	99	4650374	20.0	20.2	
9 2-Methylnaphthalene	142	3.883	3.877	0.006	86	2741856	20.0	20.1	
8 1-Methylnaphthalene	142	3.977	3.971	0.006	92	2517108	20.0	19.9	
11 Acenaphthylene	152	4.770	4.764	0.006	97	3892176	20.0	21.0	
12 Acenaphthene	153	4.958	4.946	0.012	93	2419860	20.0	20.0	
14 Fluorene	166	5.499	5.487	0.012	95	2440869	20.0	20.9	
15 Phenanthrene	178	6.509	6.503	0.006	96	3260082	20.0	20.4	
16 Anthracene	178	6.568	6.556	0.012	99	3176840	20.0	21.5	
17 Fluoranthene	202	7.796	7.790	0.006	98	3260980	20.0	21.4	
18 Pyrene	202	8.037	8.025	0.012	98	3377464	20.0	19.8	
19 Benzo[a]anthracene	228	9.306	9.300	0.006	99	2458357	20.0	21.0	
20 Chrysene	228	9.341	9.330	0.011	98	2236216	20.0	19.3	
21 Benzo[b]fluoranthene	252	10.323	10.311	0.012	98	2446246	20.0	21.0	
22 Benzo[k]fluoranthene	252	10.346	10.334	0.012	98	2334756	20.0	20.6	
23 Benzo[a]pyrene	252	10.593	10.581	0.012	96	2131690	20.0	21.3	
24 Indeno[1,2,3-cd]pyrene	276	11.551	11.539	0.012	98	2104479	20.0	19.9	
25 Dibenz(a,h)anthracene	278	11.580	11.562	0.018	97	1707605	20.0	19.9	
26 Benzo[g,h,i]perylene	276	11.809	11.786	0.023	95	1776117	20.0	19.9	

Reagents:

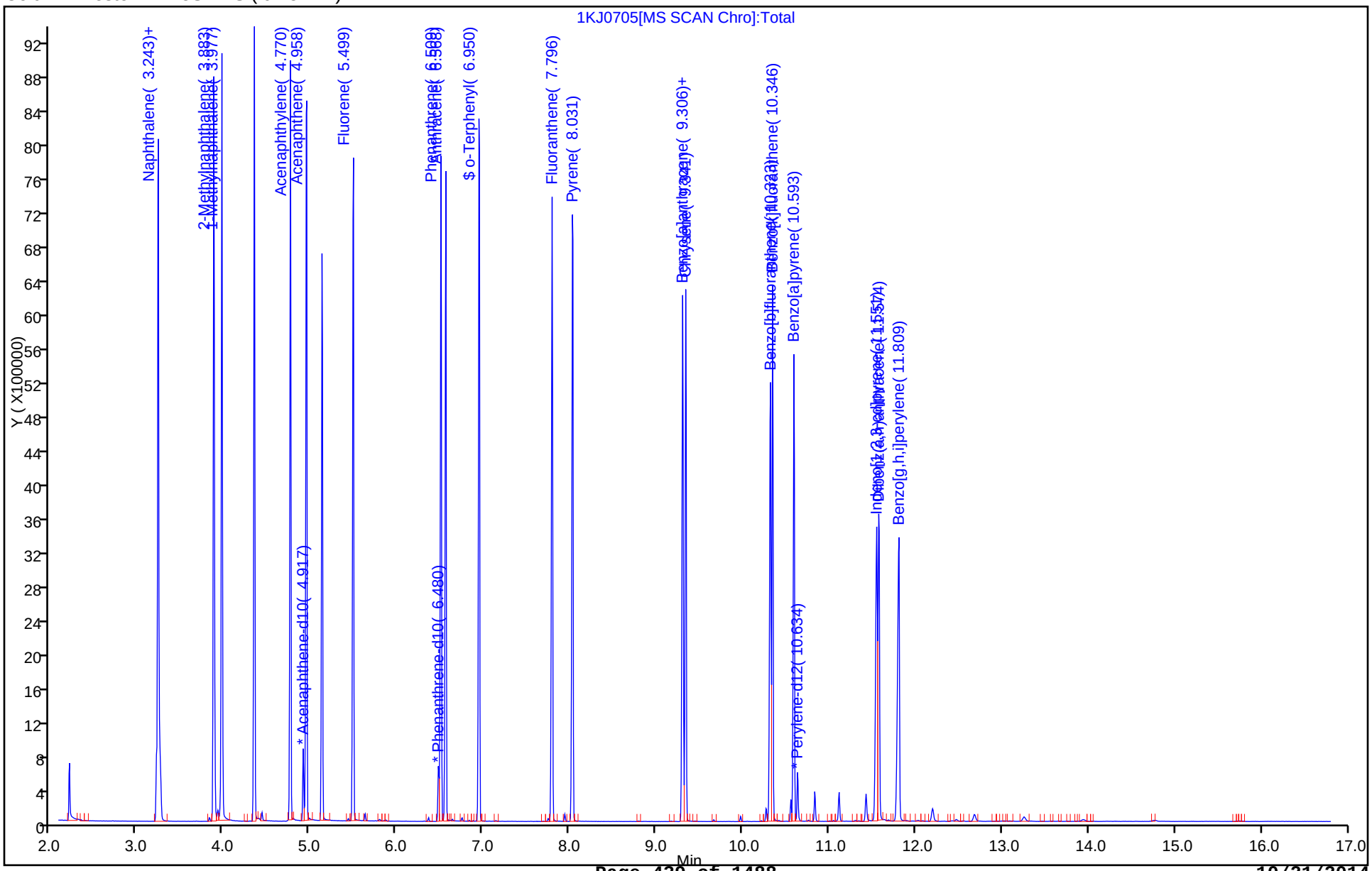
SMLLPAH20LVI_00020 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 10:09:41 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0705.D				
Injection Date:	07-Oct-2014 15:54:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0706.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Oct-2014 16:17:30 ALS Bottle#: 5 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0013560-006
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 10:09:42 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: webbk Date: 07-Oct-2014 16:51:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.219	3.219	0.000	97	432624	2.00	2.00	
* 2 Acenaphthene-d10	164	4.917	4.917	0.000	91	189952	2.00	2.00	
* 3 Phenanthrene-d10	188	6.480	6.480	0.000	98	262281	2.00	2.00	
* 4 Chrysene-d12	240	9.312	9.306	0.006	98	201921	2.00	2.00	
* 5 Perylene-d12	264	10.634	10.634	0.000	97	174518	2.00	2.00	
$ 6 o-Terphenyl	230	6.950	6.944	0.006	89	882409	10.0	9.27	
7 Naphthalene	128	3.237	3.237	0.000	99	2397475	10.0	10.3	
9 2-Methylnaphthalene	142	3.883	3.877	0.006	86	1434344	10.0	10.4	
8 1-Methylnaphthalene	142	3.977	3.971	0.006	92	1323134	10.0	10.4	
11 Acenaphthylene	152	4.770	4.764	0.006	97	1980190	10.0	10.9	
12 Acenaphthene	153	4.952	4.946	0.006	94	1259808	10.0	10.7	
14 Fluorene	166	5.493	5.487	0.006	95	1263455	10.0	11.1	
15 Phenanthrene	178	6.509	6.503	0.006	97	1660664	10.0	10.7	
16 Anthracene	178	6.562	6.556	0.006	99	1604208	10.0	11.2	
17 Fluoranthene	202	7.790	7.790	0.000	98	1620908	10.0	11.0	
18 Pyrene	202	8.031	8.025	0.006	98	1705955	10.0	10.0	
19 Benzo[a]anthracene	228	9.306	9.300	0.006	99	1262344	10.0	10.8	
20 Chrysene	228	9.335	9.330	0.005	98	1184360	10.0	10.2	
21 Benzo[b]fluoranthene	252	10.317	10.311	0.006	98	1229294	10.0	10.8	
22 Benzo[k]fluoranthene	252	10.340	10.334	0.006	98	1226862	10.0	11.0	
23 Benzo[a]pyrene	252	10.587	10.581	0.006	96	1098948	10.0	11.2	
24 Indeno[1,2,3-cd]pyrene	276	11.545	11.539	0.006	98	1178202	10.0	10.5	
25 Dibenz(a,h)anthracene	278	11.568	11.562	0.006	97	953872	10.0	10.5	
26 Benzo[g,h,i]perylene	276	11.797	11.786	0.011	95	985699	10.0	10.5	

Reagents:

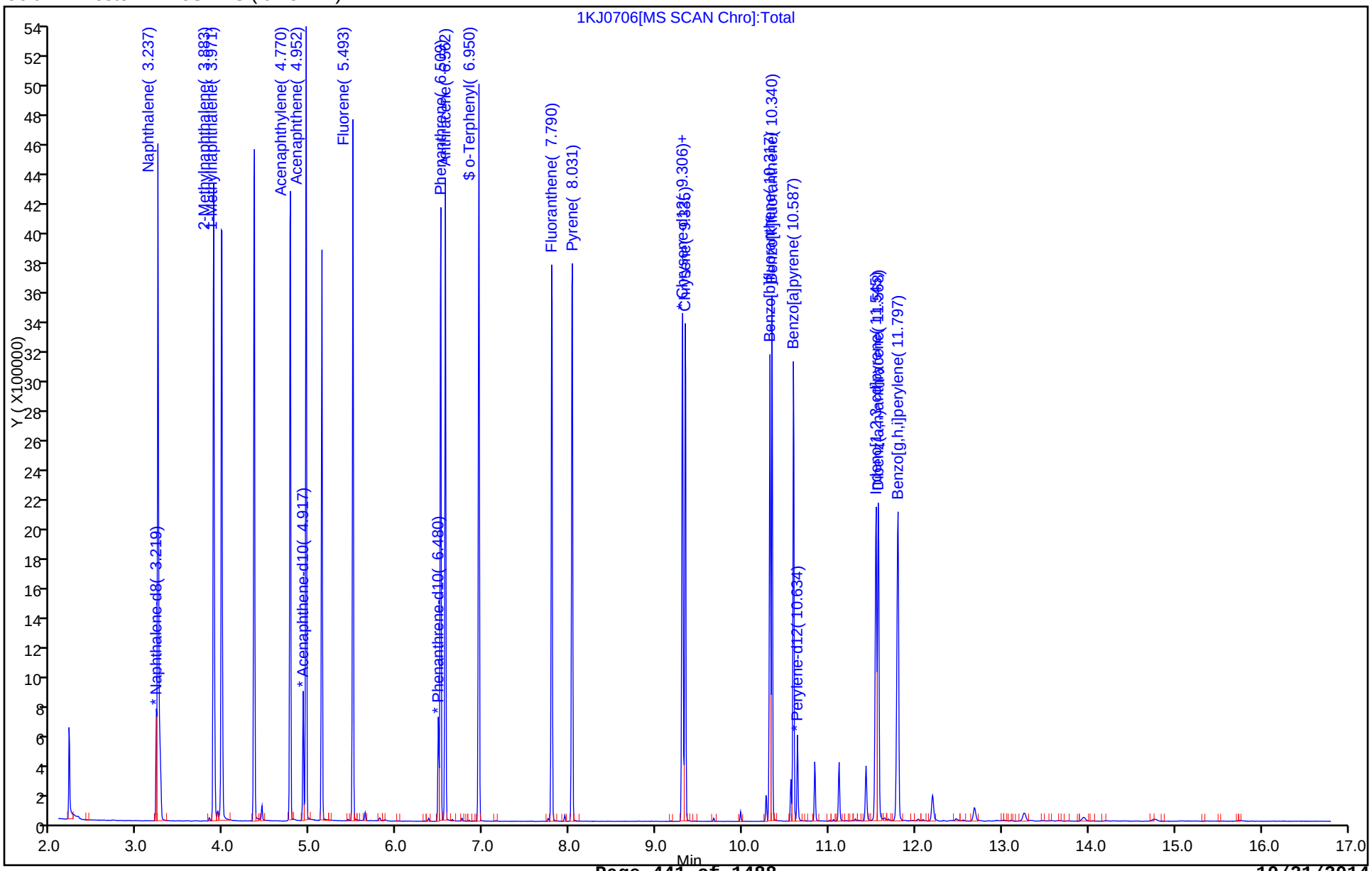
SMLLPAH10LVI_00019 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 10:09:43 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0706.D				
Injection Date:	07-Oct-2014 16:17:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0707.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-Oct-2014 16:41:30 ALS Bottle#: 6 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0013560-007
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 10:09:44 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: webbk Date: 07-Oct-2014 17:00:26

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	3.219	3.219	0.000	98	457750	2.00	2.00	
* 2 Acenaphthene-d10	164	4.917	4.917	0.000	91	211348	2.00	2.00	
* 3 Phenanthrene-d10	188	6.480	6.480	0.000	98	281024	2.00	2.00	
* 4 Chrysene-d12	240	9.306	9.306	0.000	99	206804	2.00	2.00	
* 5 Perylene-d12	264	10.634	10.634	0.000	97	187314	2.00	2.00	
$ 6 o-Terphenyl	230	6.944	6.944	0.000	90	94113	1.00	0.9655	
7 Naphthalene	128	3.237	3.237	0.000	99	246903	1.00	1.00	
9 2-Methylnaphthalene	142	3.877	3.877	0.000	86	143918	1.00	0.9876	
8 1-Methylnaphthalene	142	3.971	3.971	0.000	93	136623	1.00	1.01	
11 Acenaphthylene	152	4.764	4.764	0.000	97	196707	1.00	0.9765	
12 Acenaphthene	153	4.946	4.946	0.000	95	129787	1.00	0.9874	
14 Fluorene	166	5.487	5.487	0.000	94	123082	1.00	0.9725	
15 Phenanthrene	178	6.504	6.503	0.001	97	167093	1.00	1.01	
16 Anthracene	178	6.556	6.556	0.000	99	154532	1.00	1.00	
17 Fluoranthene	202	7.790	7.790	0.000	98	159030	1.00	1.00	
18 Pyrene	202	8.025	8.025	0.000	97	164997	1.00	0.9459	
19 Benzo[a]anthracene	228	9.300	9.300	0.000	99	118355	1.00	0.99	
20 Chrysene	228	9.330	9.330	0.000	98	116404	1.00	0.9832	
21 Benzo[b]fluoranthene	252	10.311	10.311	0.000	98	117662	1.00	0.9591	
22 Benzo[k]fluoranthene	252	10.334	10.334	0.000	98	120189	1.00	1.01	
23 Benzo[a]pyrene	252	10.587	10.581	0.006	96	104129	1.00	0.9875	
24 Indeno[1,2,3-cd]pyrene	276	11.539	11.539	0.000	99	123311	1.00	1.02	
25 Dibenz(a,h)anthracene	278	11.562	11.562	0.000	96	102444	1.00	0.9836	
26 Benzo[g,h,i]perylene	276	11.786	11.786	0.000	95	114159	1.00	1.06	

Reagents:

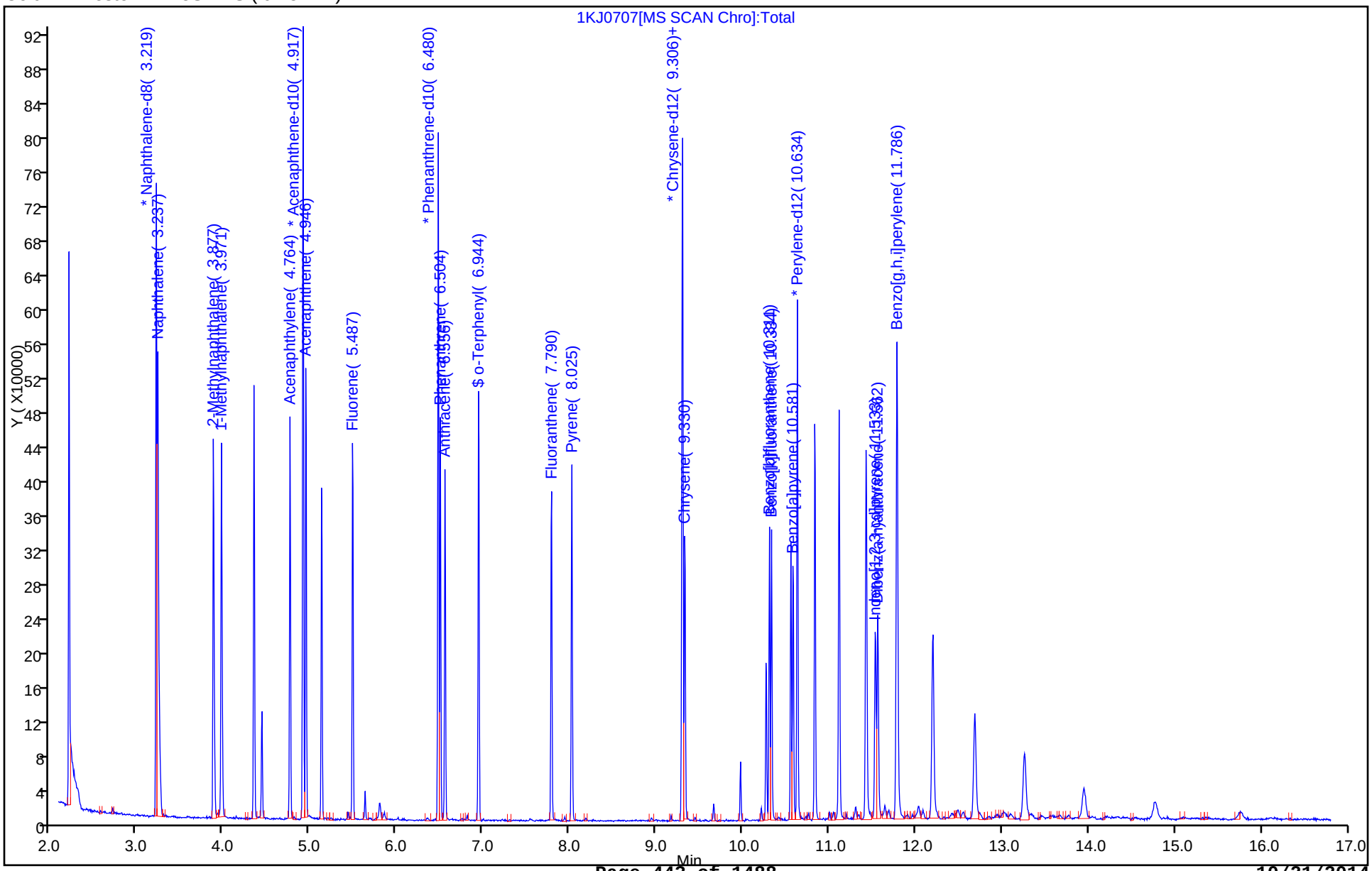
SMLLPAH1.0LVI_00017 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 10:09:44 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0707.D				
Injection Date:	07-Oct-2014 16:41:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Oct-2014 17:04:30 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0013560-008
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 11:43:33 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

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

First Level Reviewer: webbk Date: 08-Oct-2014 11:43:33

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	3.219	3.219	0.000	98	467375	2.00	2.00	
* 2 Acenaphthene-d10	164	4.917	4.917	0.000	91	206573	2.00	2.00	
* 3 Phenanthrene-d10	188	6.480	6.480	0.000	98	258967	2.00	2.00	
* 4 Chrysene-d12	240	9.306	9.306	0.000	98	155134	2.00	2.00	
* 5 Perylene-d12	264	10.634	10.634	0.000	96	143497	2.00	2.00	
$ 6 o-Terphenyl	230	6.944	6.944	0.000	88	43366	0.5000	0.5930	
7 Naphthalene	128	3.237	3.237	0.000	99	129267	0.5000	0.5134	
9 2-Methylnaphthalene	142	3.877	3.877	0.000	87	74455	0.5000	0.5004	
8 1-Methylnaphthalene	142	3.971	3.971	0.000	93	69297	0.5000	0.5028	
11 Acenaphthylene	152	4.764	4.764	0.000	97	98217	0.5000	0.4988	
12 Acenaphthene	153	4.947	4.946	0.000	94	63827	0.5000	0.4968	
14 Fluorene	166	5.487	5.487	0.000	95	60628	0.5000	0.4901	
15 Phenanthrene	178	6.504	6.503	0.001	97	76101	0.5000	0.4973	
16 Anthracene	178	6.556	6.556	0.000	98	68275	0.5000	0.4818	
17 Fluoranthene	202	7.790	7.790	0.000	99	69321	0.5000	0.4748	
18 Pyrene	202	8.025	8.025	0.000	97	73764	0.5000	0.5637	
19 Benzo[a]anthracene	228	9.300	9.300	0.000	98	43838	0.5000	0.4890	
20 Chrysene	228	9.330	9.330	0.000	98	49436	0.5000	0.5566	
21 Benzo[b]fluoranthene	252	10.311	10.311	0.000	98	44506	0.5000	0.4736	
22 Benzo[k]fluoranthene	252	10.334	10.334	0.000	97	46022	0.5000	0.5030	
23 Benzo[a]pyrene	252	10.587	10.581	0.006	96	40235	0.5000	0.4981	
24 Indeno[1,2,3-cd]pyrene	276	11.539	11.539	0.000	95	47126	0.5000	0.5180	
25 Dibenz(a,h)anthracene	278	11.568	11.562	0.006	93	38812	0.5000	0.4848	
26 Benzo[g,h,i]perylene	276	11.792	11.786	0.006	95	44864	0.5000	0.5402	

Reagents:

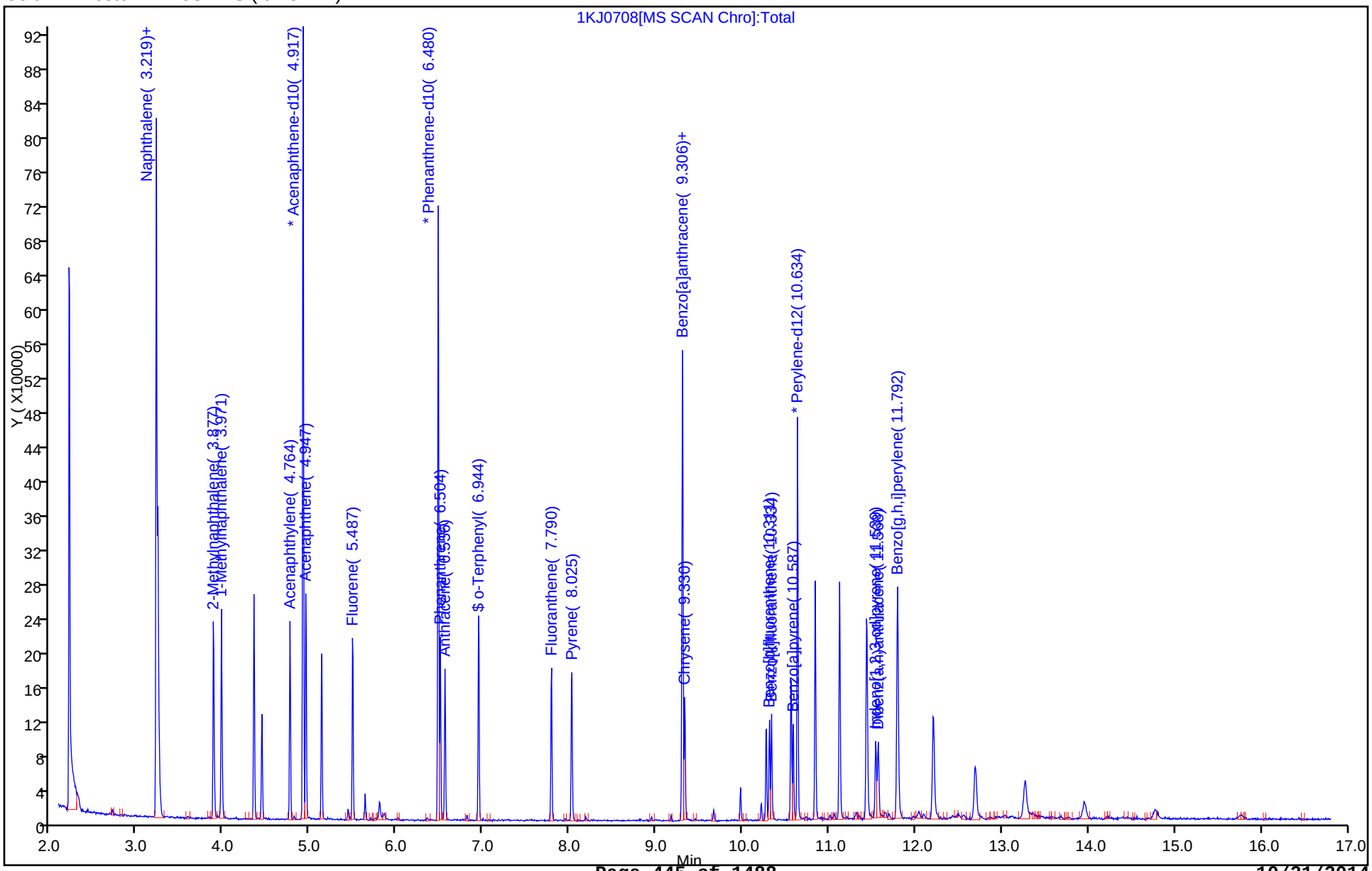
SMLLPAH0.5LVI_00019 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 11:43:34 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D				
Injection Date:	07-Oct-2014 17:04:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0709.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Oct-2014 17:27:30 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0013560-009
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 11:45:53 Calib Date: 07-Oct-2014 17:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0709.D

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

First Level Reviewer: moorer Date: 08-Oct-2014 10:09:34

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	3.219	3.219	0.000	98	436420	2.00	2.00	
* 2 Acenaphthene-d10	164	4.917	4.917	0.000	91	206660	2.00	2.00	
* 3 Phenanthrene-d10	188	6.480	6.480	0.000	98	275343	2.00	2.00	
* 4 Chrysene-d12	240	9.306	9.306	0.000	99	168342	2.00	2.00	
* 5 Perylene-d12	264	10.634	10.634	0.000	97	151905	2.00	2.00	
$ 6 o-Terphenyl	230	6.944	6.944	0.000	85	18378		0.2316	
10 1,1'-Biphenyl	154	2.209	2.208	0.001	37	14755		NC	
7 Naphthalene	128	3.237	3.237	0.000	99	49442		0.2103	
9 2-Methylnaphthalene	142	3.877	3.877	0.000	86	28119		0.2024	
8 1-Methylnaphthalene	142	3.971	3.971	0.000	94	28358		0.2204	
11 Acenaphthylene	152	4.764	4.764	0.000	98	37852		0.1922	
12 Acenaphthene	153	4.947	4.946	0.001	94	27906		0.2171	
13 Dibenzofuran	168	5.135	5.129	0.006	99	31746		NC	
14 Fluorene	166	5.487	5.487	0.000	93	25121		0.2030	
15 Phenanthrene	178	6.504	6.503	0.001	96	34088		0.2095	
16 Anthracene	178	6.556	6.556	0.000	98	28146		0.1868	
17 Fluoranthene	202	7.790	7.790	0.000	97	30043		0.1935	
18 Pyrene	202	8.025	8.025	0.000	96	31432		0.2214	
19 Benzo[a]anthracene	228	9.300	9.300	0.000	96	20652		0.2123	
20 Chrysene	228	9.330	9.330	0.000	99	21330		0.2213	
21 Benzo[b]fluoranthene	252	10.311	10.311	0.000	97	19866		0.1997	
22 Benzo[k]fluoranthene	252	10.334	10.334	0.000	97	20033		0.2069	
23 Benzo[a]pyrene	252	10.581	10.581	0.000	96	17396		0.2034	
24 Indeno[1,2,3-cd]pyrene	276	11.533	11.539	-0.006	97	18409		0.1861	
25 Dibenz(a,h)anthracene	278	11.562	11.562	0.000	93	14670		0.1727	
26 Benzo[g,h,i]perylene	276	11.780	11.786	-0.006	93	19327		0.2193	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

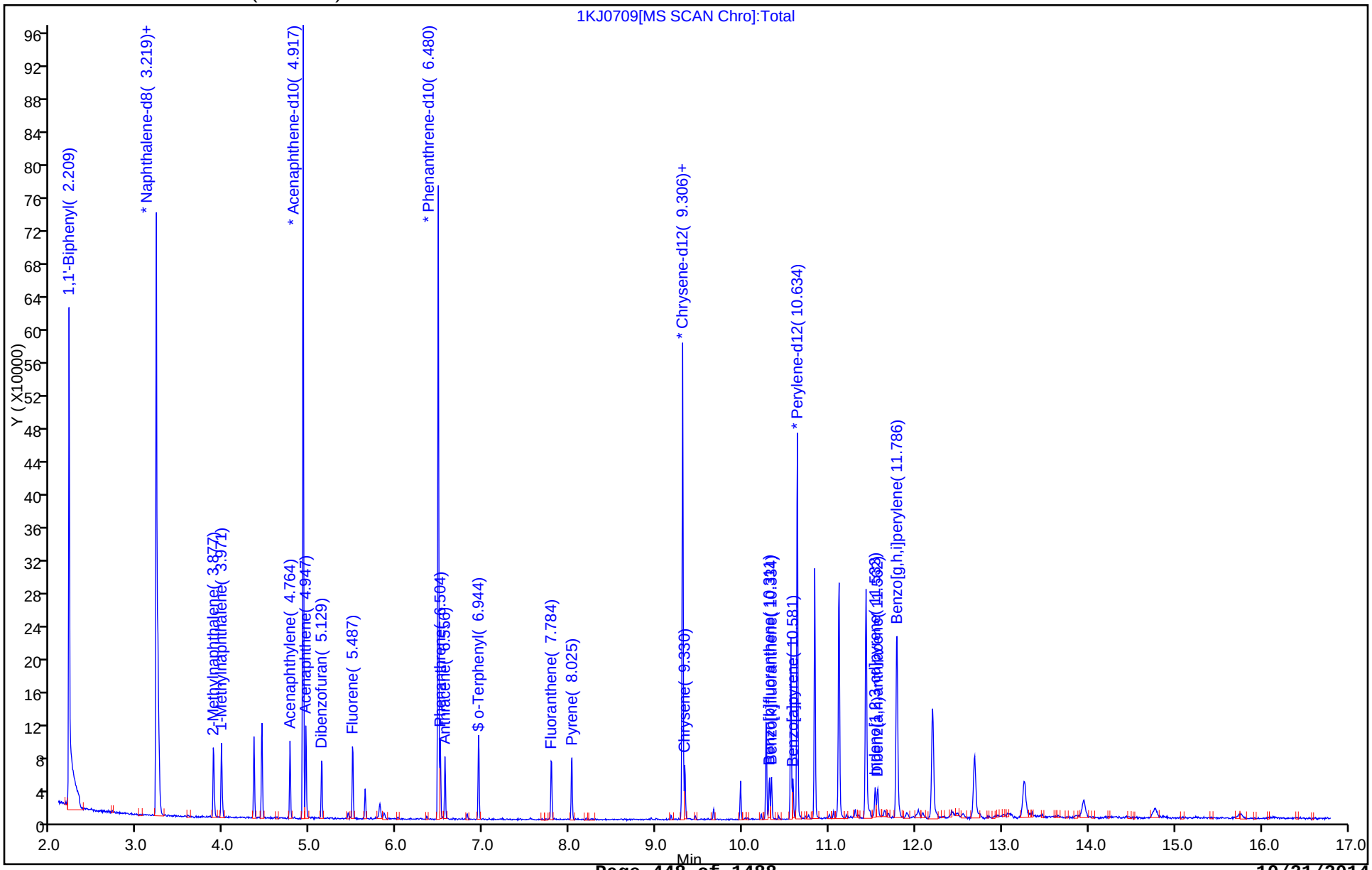
SMLLPAH0.2LVI_00018	Amount Added:	0.00	Units:	
SM-LLISTD_00106	Amount Added:	10.00	Units: uL	Run Reagent

Report Date: 08-Oct-2014 11:45:54 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0709.D				
Injection Date:	07-Oct-2014 17:27:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



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

Lab Name: TestAmerica Savannah Job No.: 680-106200-3 Analy Batch No.: 352391

SDG No.: 680-106200-03

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.: 680-106200-3 Analy Batch No.: 352391

SDG No.: 680-106200-03

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.: 680-106200-3 Analy Batch No.: 352391

SDG No.: 680-106200-03

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.: 680-106200-3 Analy Batch No.: 352391

SDG No.: 680-106200-03

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:

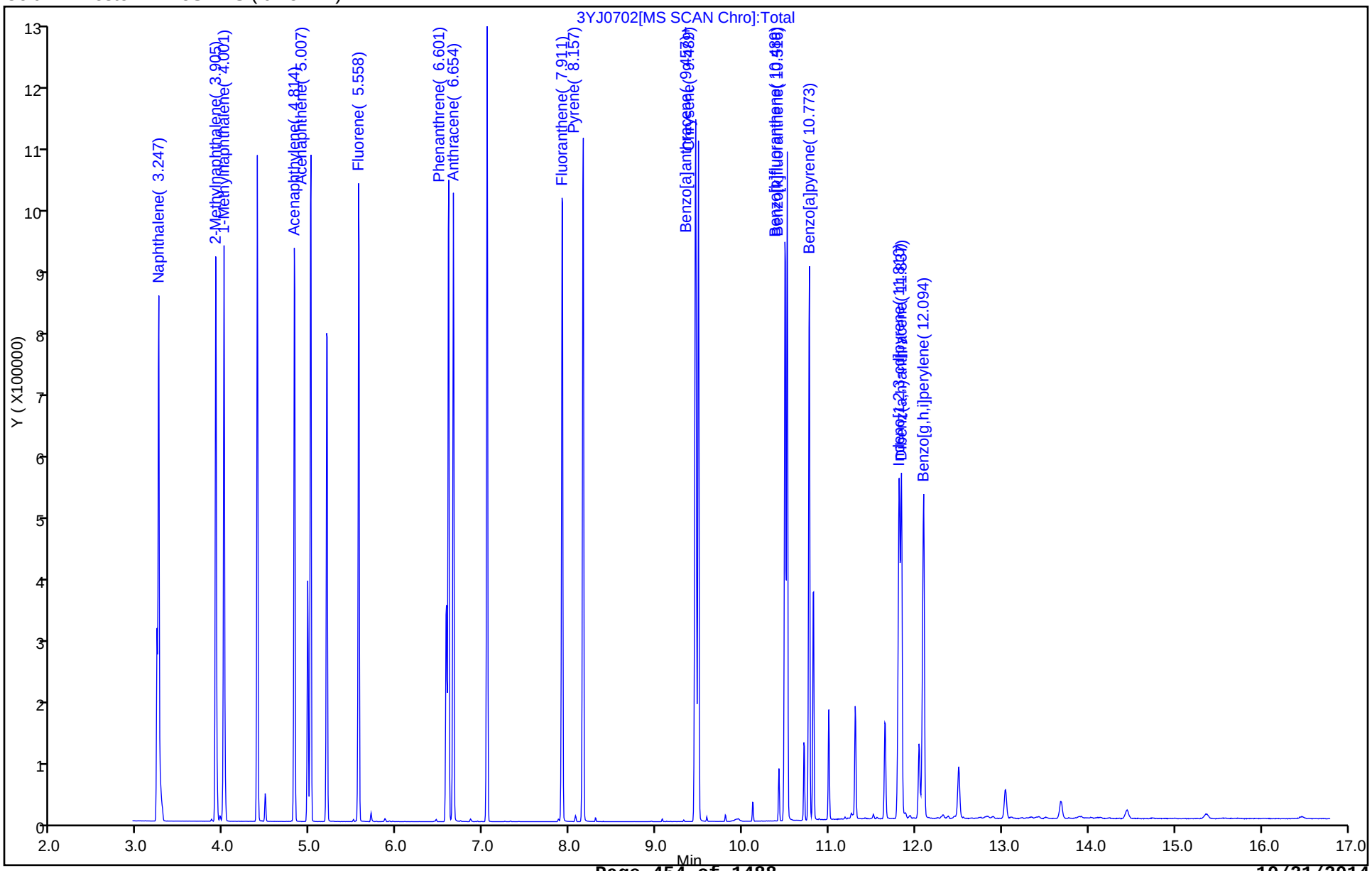
SMLLPAH5.0LVI_00022 Amount Added: 1.00 Units: mL

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:

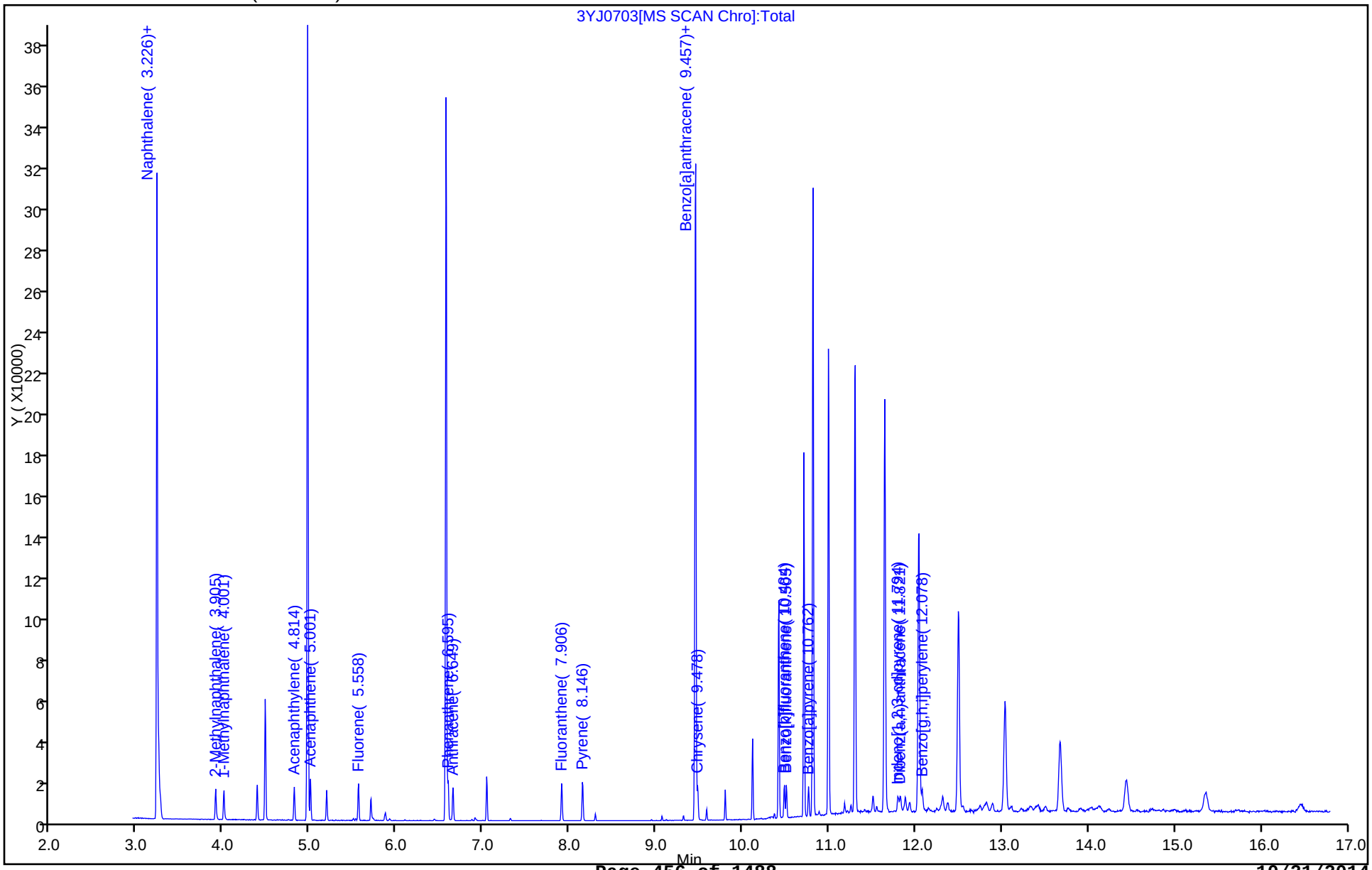
SMLLPAH0.1LVI_00019 Amount Added: 1.00 Units: mL

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

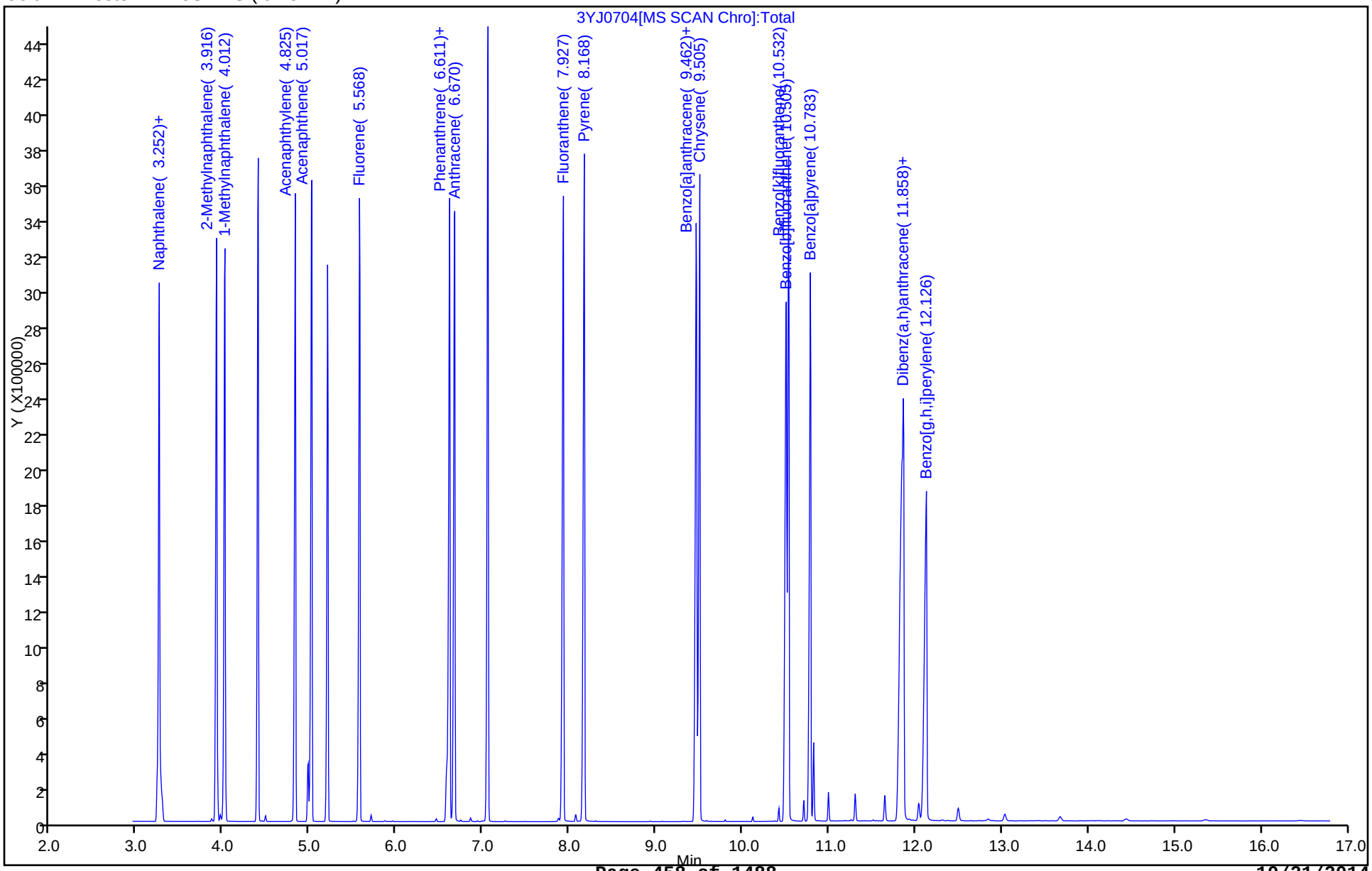
Lims ID: IC Worklist Smp#: 4

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:

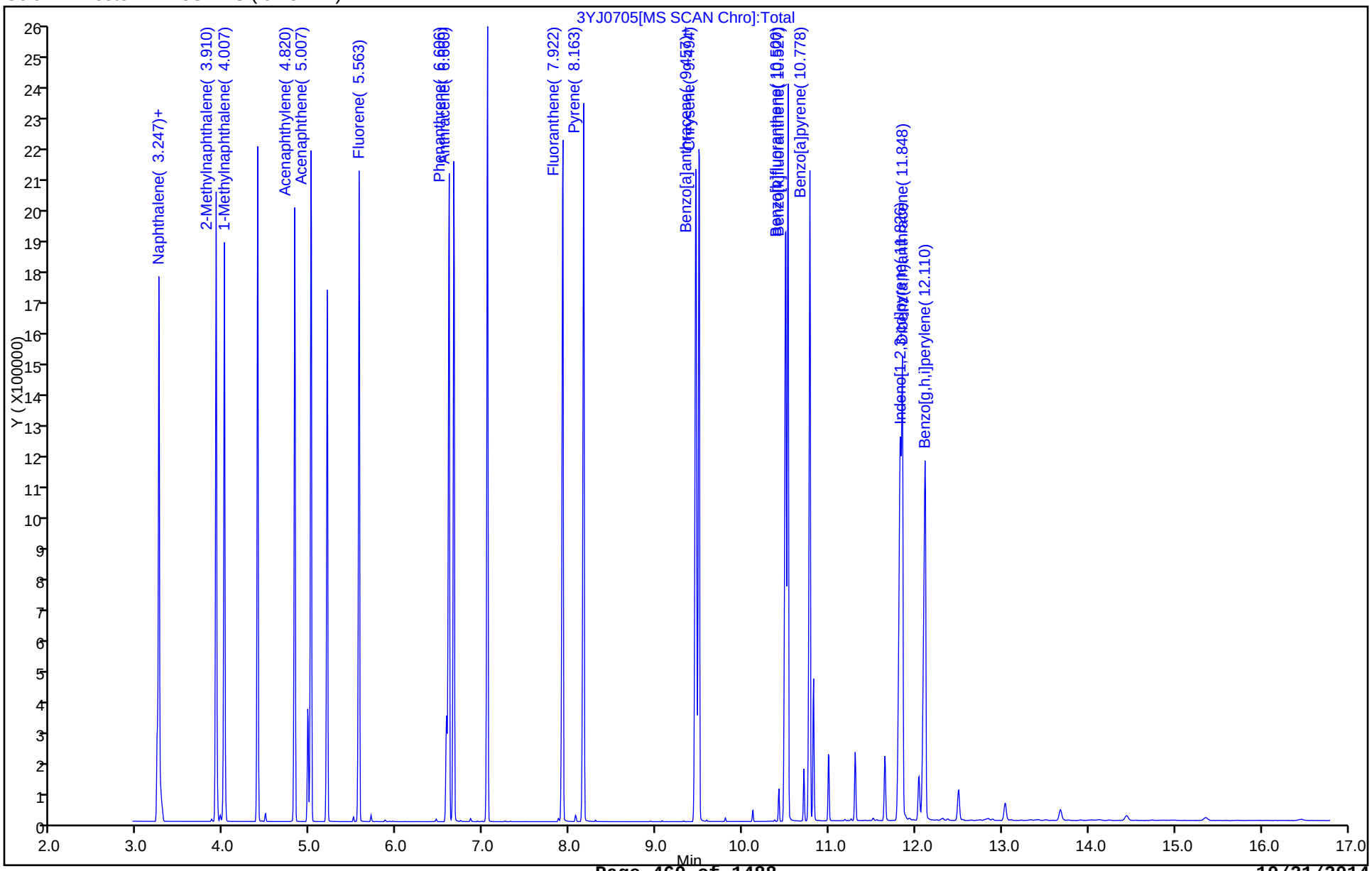
SMLLPAH10LVI_00019 Amount Added: 1.00 Units: mL

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:

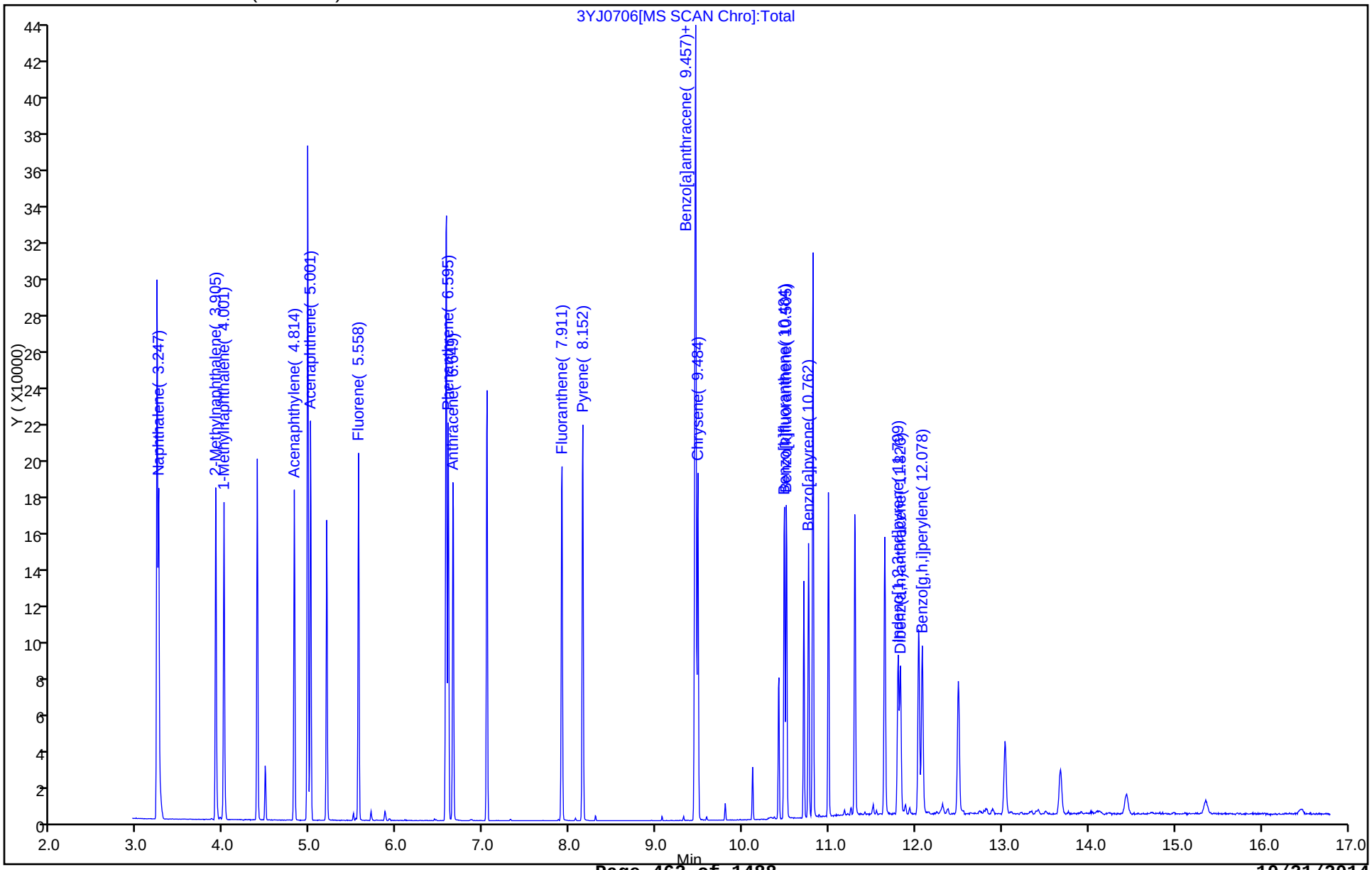
SMLLPAH1.0LVI_00017 Amount Added: 1.00 Units: mL

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

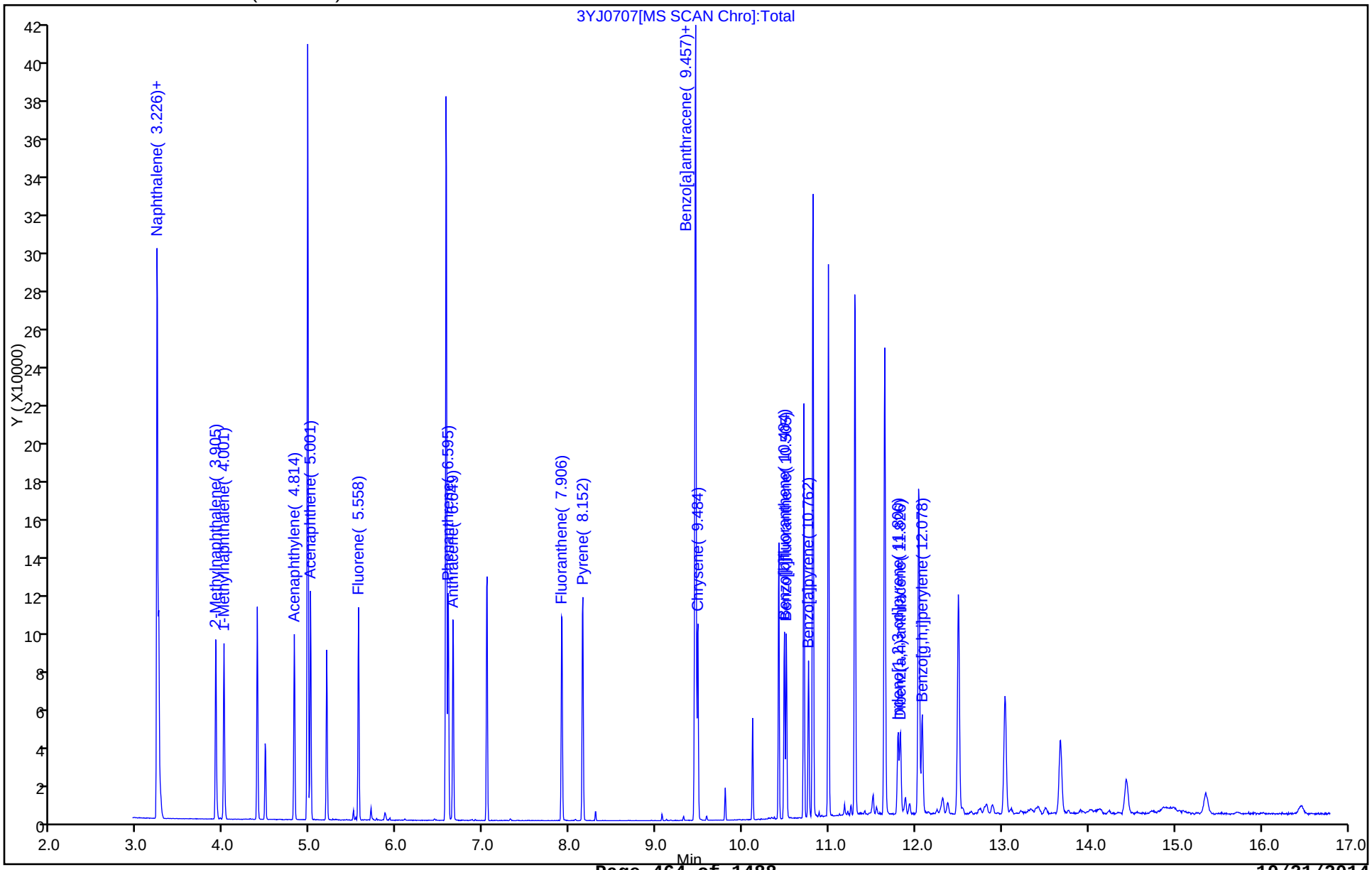
Lims ID: IC Worklist Smp#: 7

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:

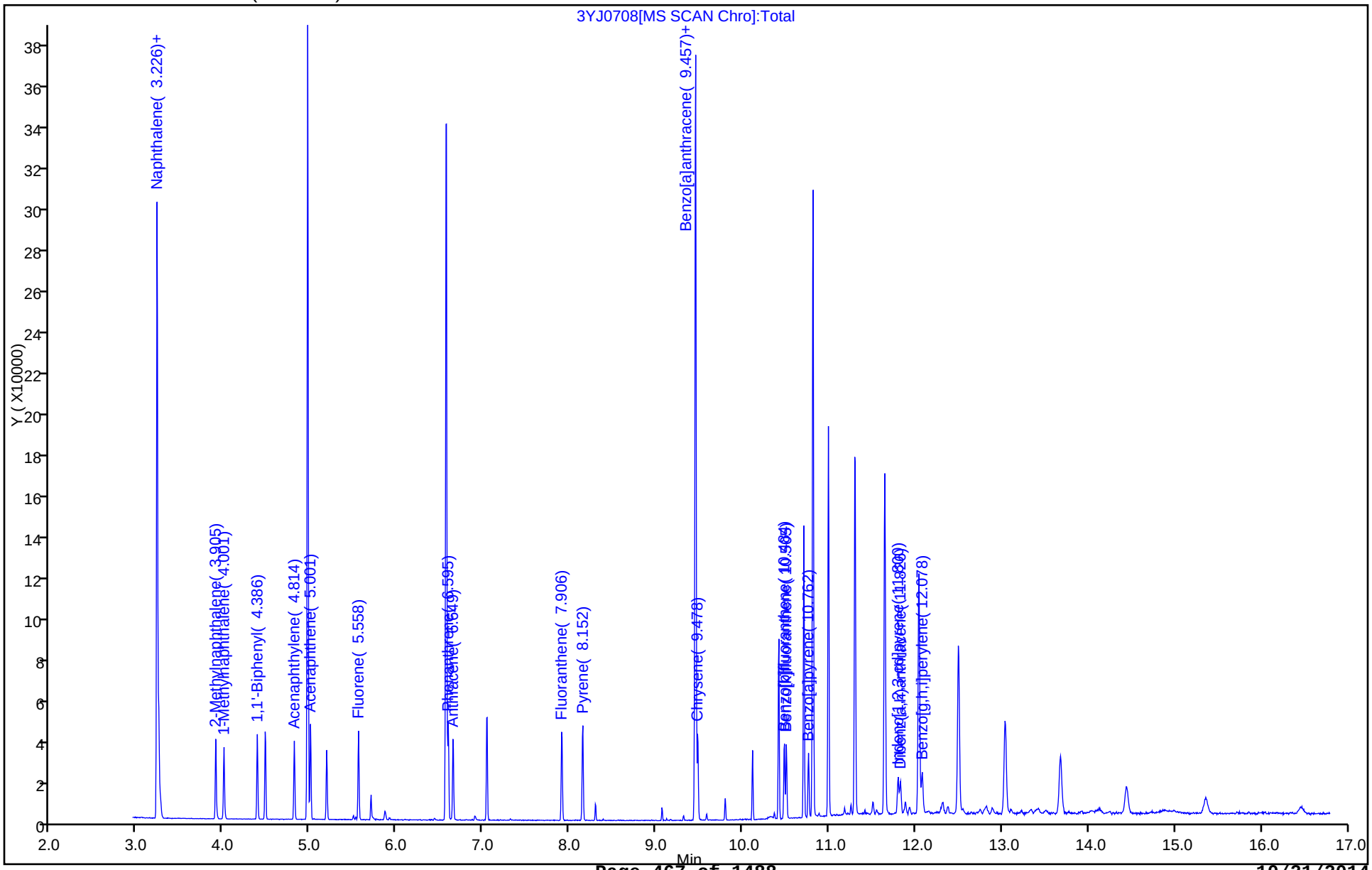
SMLLPAH0.2LVI_00018	Amount Added:	0.00	Units:	
SM-LLISTD_00106	Amount Added:	10.00	Units: uL	Run Reagent

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.: 680-106200-3

SDG No.: 680-106200-03

Lab Sample ID: ICV 680-352395/10 Calibration Date: 10/07/2014 17:50

Instrument ID: CMSK Calib Start Date: 10/07/2014 15:08

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2014 17:27

Lab File ID: 1KJ0710.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.077	0.9936	0.7000	4.61	5.00	-7.8	30.0
2-Methylnaphthalene	Ave	0.6367	0.5883	0.4000	4.62	5.00	-7.6	30.0
1-Methylnaphthalene	Ave	0.5897	0.5693		4.83	5.00	-3.5	30.0
Acenaphthylene	Ave	1.906	1.805	0.9000	4.73	5.00	-5.3	30.0
Acenaphthene	Ave	1.244	1.151	0.9000	4.63	5.00	-7.5	30.0
Fluorene	Ave	1.198	1.176	0.9000	4.91	5.00	-1.8	30.0
Phenanthrene	Ave	1.182	1.083	0.7000	4.58	5.00	-8.4	30.0
Anthracene	Ave	1.095	1.074	0.7000	4.91	5.00	-1.9	30.0
Fluoranthene	Ave	1.128	1.116	0.6000	4.95	5.00	-1.0	30.0
Pyrene	Ave	1.687	1.646	0.6000	4.88	5.00	-2.4	30.0
Benzo[a]anthracene	Ave	1.156	1.119	0.7000	4.84	5.00	-3.2	30.0
Chrysene	Ave	1.145	1.125	0.7000	4.91	5.00	-1.8	30.0
Benzo[b]fluoranthene	Ave	1.310	1.333	0.4000	5.09	5.00	1.7	30.0
Benzo[k]fluoranthene	Ave	1.275	1.217	0.4000	4.77	5.00	-4.6	30.0
Benzo[a]pyrene	Ave	1.126	1.100	0.4000	4.89	5.00	-2.3	30.0
Indeno[1,2,3-cd]pyrene	QuaF		0.9166	0.2000	3.99	5.00	-20.3	30.0
Dibenz(a,h)anthracene	QuaF		0.9335	0.2000	4.30	5.00	-14.1	30.0
Benzo[g,h,i]perylene	QuaF		0.9859	0.2000	4.37	5.00	-12.5	30.0
o-Terphenyl	Ave	0.9427	0.8570		4.55	5.00	-9.1	30.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0710.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 07-Oct-2014 17:50:30 ALS Bottle#: 9 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 680-0013560-010
Operator ID: RM Instrument ID: CMSK
Sublist:

Method: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 10:09:45 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: moorer Date: 08-Oct-2014 10:05:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.219	3.219	0.000	98	457929	2.00	2.00	
* 2 Acenaphthene-d10	164	4.917	4.917	0.000	91	225627	2.00	2.00	
* 3 Phenanthrene-d10	188	6.480	6.480	0.000	98	327211	2.00	2.00	
* 4 Chrysene-d12	240	9.312	9.306	0.006	99	231624	2.00	2.00	
* 5 Perylene-d12	264	10.634	10.634	0.000	96	191644	2.00	2.00	
$ 6 o-Terphenyl	230	6.950	6.944	0.006	88	496226	5.00	4.55	
7 Naphthalene	128	3.237	3.237	0.000	99	1137475	5.00	4.61	
9 2-Methylnaphthalene	142	3.883	3.877	0.006	86	673523	5.00	4.62	
8 1-Methylnaphthalene	142	3.971	3.971	0.000	92	651718	5.00	4.83	
11 Acenaphthylene	152	4.764	4.764	0.000	97	1017940	5.00	4.73	
12 Acenaphthene	153	4.952	4.946	0.006	94	649139	5.00	4.63	
13 Dibenzofuran	168	5.134	5.129	0.005	100	782444	NC	NC	
14 Fluorene	166	5.493	5.487	0.006	96	663428	5.00	4.91	
15 Phenanthrene	178	6.503	6.503	0.000	97	885697	5.00	4.58	
16 Anthracene	178	6.562	6.556	0.006	99	878553	5.00	4.91	
17 Fluoranthene	202	7.790	7.790	0.000	98	912910	5.00	4.95	
18 Pyrene	202	8.025	8.025	0.000	98	953338	5.00	4.88	
19 Benzo[a]anthracene	228	9.300	9.300	0.000	99	647878	5.00	4.84	
20 Chrysene	228	9.336	9.330	0.006	98	651306	5.00	4.91	
21 Benzo[b]fluoranthene	252	10.317	10.311	0.006	98	638440	5.00	5.09	
22 Benzo[k]fluoranthene	252	10.340	10.334	0.006	99	583089	5.00	4.77	
23 Benzo[a]pyrene	252	10.587	10.581	0.006	96	527113	5.00	4.89	
24 Indeno[1,2,3-cd]pyrene	276	11.539	11.539	0.000	97	530744	5.00	3.99	
25 Dibenz(a,h)anthracene	278	11.562	11.562	0.000	96	447244	5.00	4.30	
26 Benzo[g,h,i]perylene	276	11.792	11.786	0.006	95	472370	5.00	4.37	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

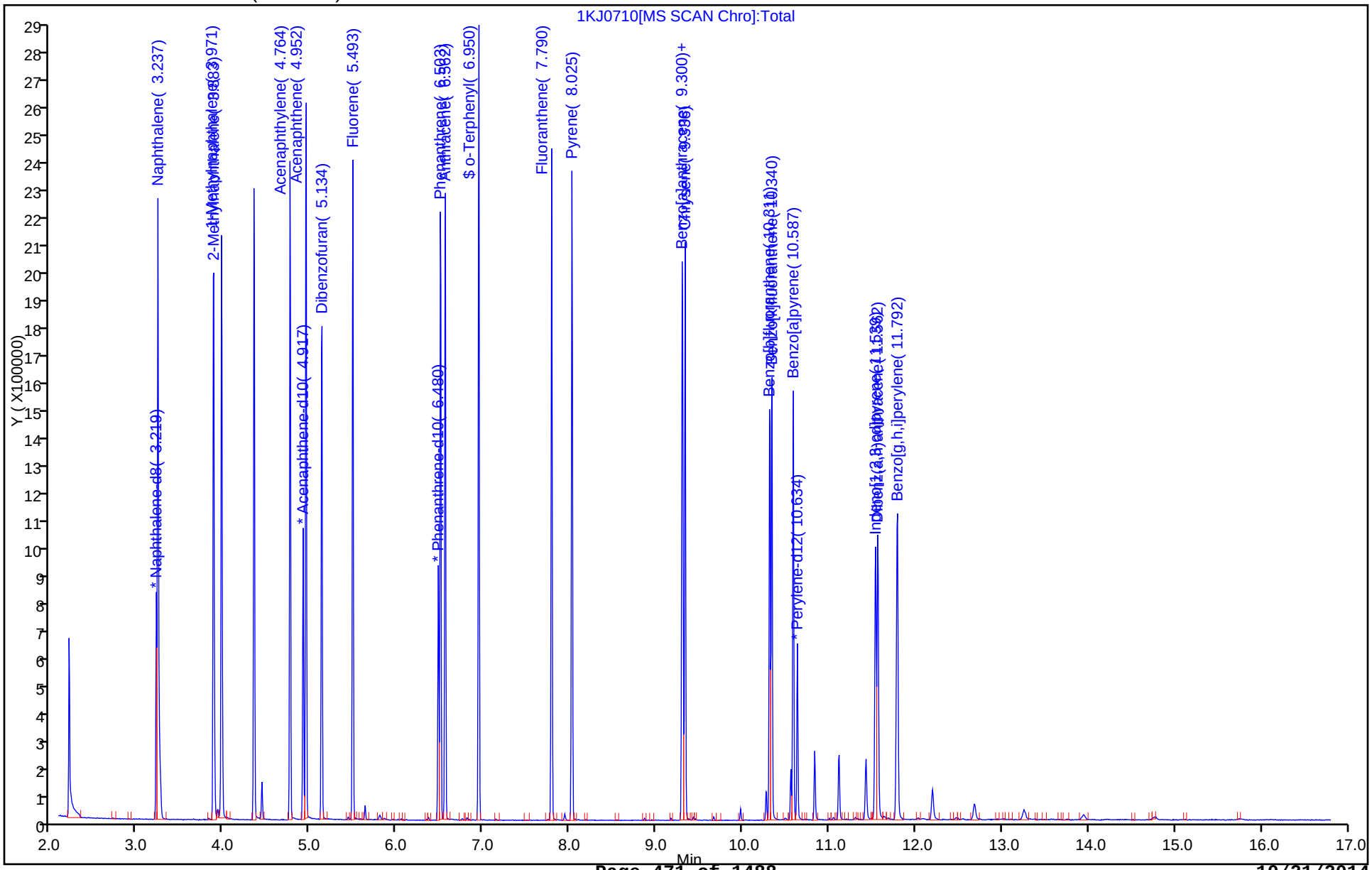
SMLLPAHICVLVI_00029 Amount Added: 1.00 Units: mL

Report Date: 08-Oct-2014 10:09:47 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0710.D				
Injection Date:	07-Oct-2014 17:50:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	ICV			Worklist Smp#:	10
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Lab Sample ID: CCVIS 680-354071/2 Calibration Date: 10/17/2014 09:49

Instrument ID: CMSK Calib Start Date: 10/07/2014 15:08

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 10/07/2014 17:27

Lab File ID: 1KJ1702.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.077	1.120	0.7000	5.20	5.00	4.0	20.0
2-Methylnaphthalene	Ave	0.6367	0.5979	0.4000	4.70	5.00	-6.1	20.0
1-Methylnaphthalene	Ave	0.5897	0.5681		4.82	5.00	-3.7	20.0
Acenaphthylene	Ave	1.906	2.067	0.9000	5.42	5.00	8.5	20.0
Acenaphthene	Ave	1.244	1.305	0.9000	5.24	5.00	4.9	20.0
Fluorene	Ave	1.198	1.227	0.9000	5.12	5.00	2.4	20.0
Phenanthrene	Ave	1.182	1.211	0.7000	5.12	5.00	2.5	20.0
Anthracene	Ave	1.095	1.162	0.7000	5.31	5.00	6.1	20.0
Fluoranthene	Ave	1.128	1.319	0.6000	5.85	5.00	17.0	20.0
Pyrene	Ave	1.687	1.485	0.6000	4.40	5.00	-12.0	20.0
Benzo[a]anthracene	Ave	1.156	1.161	0.7000	5.02	5.00	0.5	20.0
Chrysene	Ave	1.145	1.104	0.7000	4.82	5.00	-3.5	20.0
Benzo[b]fluoranthene	Ave	1.310	1.275	0.4000	4.87	5.00	-2.7	20.0
Benzo[k]fluoranthene	Ave	1.275	1.266	0.4000	4.96	5.00	-0.7	20.0
Benzo[a]pyrene	Ave	1.126	1.136	0.4000	5.04	5.00	0.9	20.0
Indeno[1,2,3-cd]pyrene	QuaF		1.054	0.2000	4.60	5.00	-8.1	20.0
Dibenz(a,h)anthracene	QuaF		1.013	0.2000	4.67	5.00	-6.6	20.0
Benzo[g,h,i]perylene	QuaF		1.057	0.2000	4.70	5.00	-6.0	20.0
o-Terphenyl	Ave	0.9427	0.7367		3.91	5.00	-21.9*	20.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1702.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Oct-2014 09:49:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 680-0013846-002
Operator ID: RM Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub4

Method: \\SAVCHROM\ChromData\CMSK\20141017-13846.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Oct-2014 12:09:30 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: waldorfj Date: 20-Oct-2014 12:09:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.925	2.925	0.000	98	361682	2.00	2.00	
* 2 Acenaphthene-d10	164	4.582	4.582	0.000	92	151673	2.00	2.00	
* 3 Phenanthrene-d10	188	6.127	6.127	0.000	98	205144	2.00	2.00	
* 4 Chrysene-d12	240	8.954	8.954	0.000	99	190922	2.00	2.00	
* 5 Perylene-d12	264	10.276	10.276	0.000	96	180112	2.00	2.00	
$ 6 o-Terphenyl	230	6.603	6.603	0.000	88	351608	5.00	3.91	
7 Naphthalene	128	2.943	2.943	0.000	99	1012798	5.00	5.20	
9 2-Methylnaphthalene	142	3.566	3.566	0.000	86	540642	5.00	4.70	
8 1-Methylnaphthalene	142	3.660	3.660	0.000	92	513649	5.00	4.82	
11 Acenaphthylene	152	4.435	4.435	0.000	97	783957	5.00	5.42	
12 Acenaphthene	153	4.617	4.617	0.000	94	494741	5.00	5.24	
14 Fluorene	166	5.152	5.152	0.000	95	465162	5.00	5.12	
15 Phenanthrene	178	6.151	6.151	0.000	97	621082	5.00	5.12	
16 Anthracene	178	6.204	6.204	0.000	99	595756	5.00	5.31	
17 Fluoranthene	202	7.426	7.426	0.000	98	676373	5.00	5.85	
18 Pyrene	202	7.655	7.655	0.000	97	708845	5.00	4.40	
19 Benzo[a]anthracene	228	8.942	8.942	0.000	99	554312	5.00	5.02	
20 Chrysene	228	8.977	8.977	0.000	98	527173	5.00	4.82	
21 Benzo[b]fluoranthene	252	9.958	9.958	0.000	97	574069	5.00	4.87	
22 Benzo[k]fluoranthene	252	9.982	9.982	0.000	98	570025	5.00	4.96	
23 Benzo[a]pyrene	252	10.229	10.229	0.000	96	511328	5.00	5.04	
24 Indeno[1,2,3-cd]pyrene	276	11.116	11.116	0.000	97	502869	5.00	4.60	
25 Dibenz(a,h)anthracene	278	11.145	11.145	0.000	96	455930	5.00	4.67	
26 Benzo[g,h,i]perylene	276	11.327	11.327	0.000	95	475836	5.00	4.70	

Reagents:

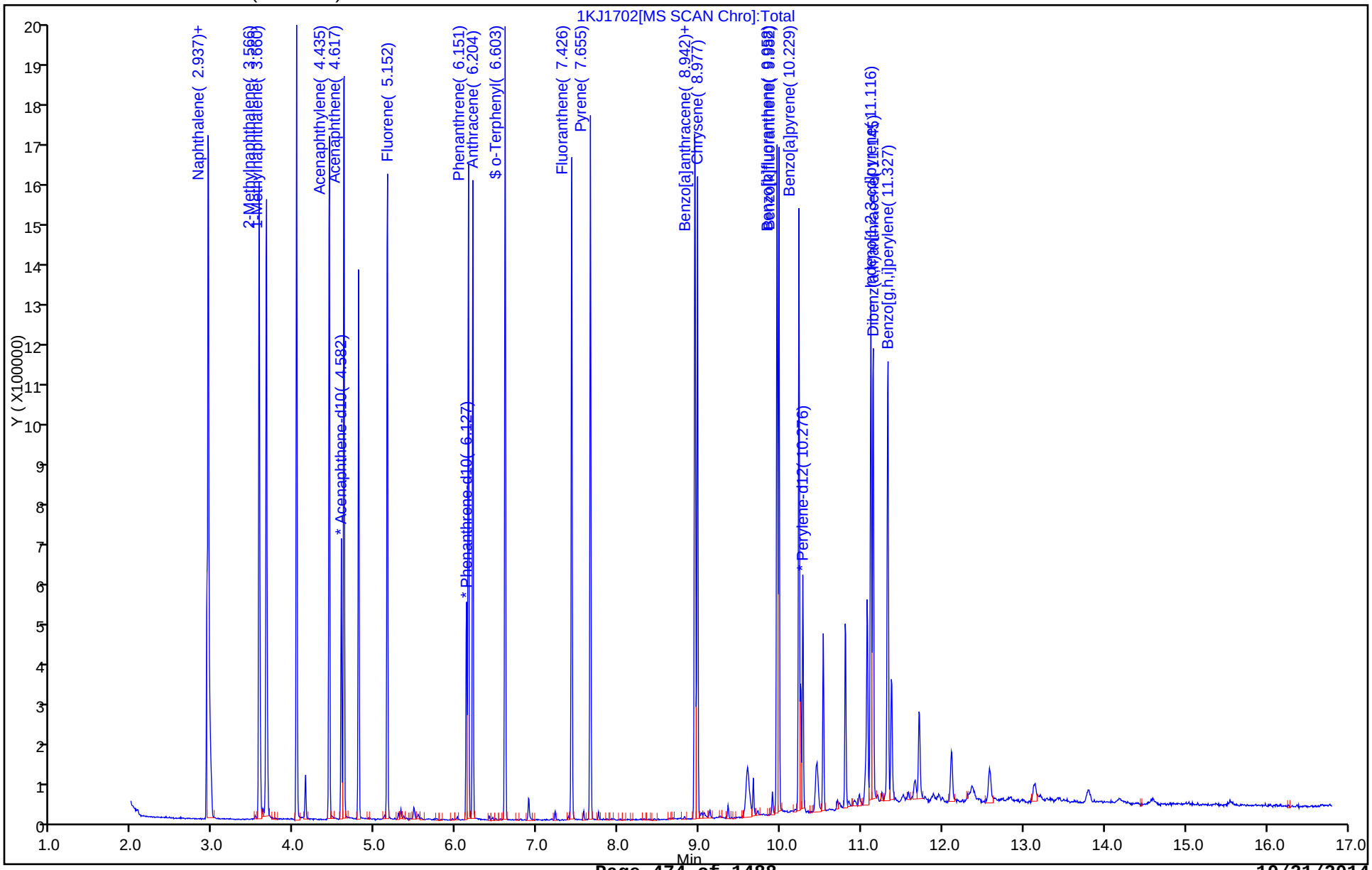
SMLLPAH5.0LVI_00023 Amount Added: 1.00 Units: mL

Report Date: 20-Oct-2014 12:09:31 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1702.D				
Injection Date:	17-Oct-2014 09:49:30	Instrument ID:	CMSK	Operator ID:	RM
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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:

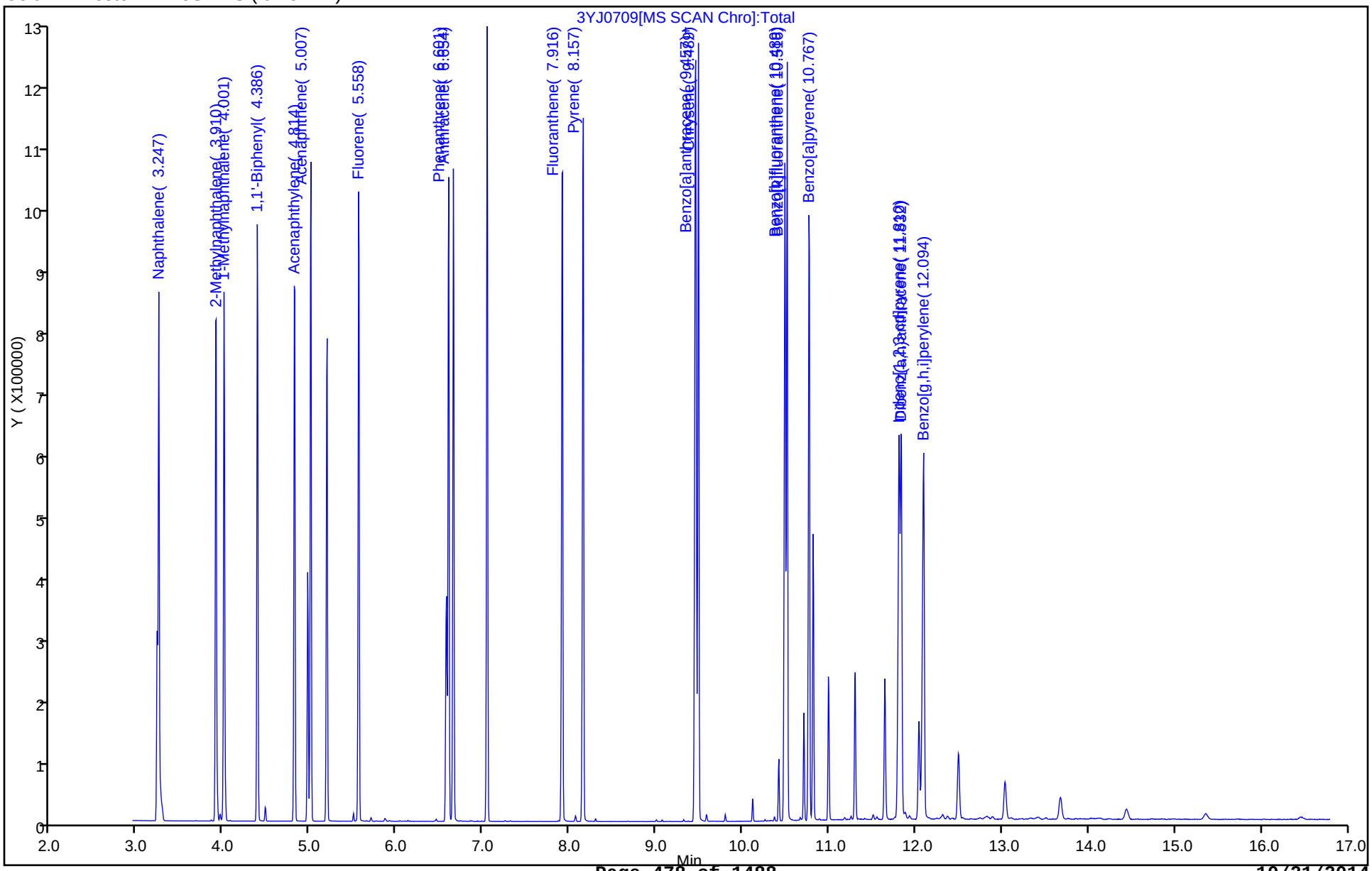
SMLLPAHICVLVI_00029 Amount Added: 1.00 Units: mL

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.: 680-106200-3

SDG No.: 680-106200-03

Lab Sample ID: CCVIS 680-353862/2 Calibration Date: 10/16/2014 09:29

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: 1YJ1602.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.091	1.146	0.7000	5.25	5.00	5.0	20.0
2-Methylnaphthalene	Ave	0.7234	0.7501	0.4000	5.18	5.00	3.7	20.0
1-Methylnaphthalene	Ave	0.6708	0.6873		5.12	5.00	2.5	20.0
Acenaphthylene	Ave	1.938	2.039	0.9000	5.26	5.00	5.2	20.0
Acenaphthene	Ave	1.245	1.284	0.9000	5.16	5.00	3.1	20.0
Fluorene	Ave	1.375	1.422	0.9000	5.17	5.00	3.4	20.0
Phenanthrene	Ave	1.197	1.171	0.7000	4.89	5.00	-2.1	20.0
Anthracene	Ave	1.190	1.165	0.7000	4.90	5.00	-2.1	20.0
Fluoranthene	Ave	1.269	1.248	0.6000	4.92	5.00	-1.7	20.0
Pyrene	QuaF		1.335	0.6000	5.12	5.00	2.4	20.0
Benzo[a]anthracene	Ave	1.170	1.167	0.7000	4.99	5.00	-0.2	20.0
Chrysene	QuaF		1.055	0.7000	4.86	5.00	-2.8	20.0
Benzo[b]fluoranthene	Ave	1.315	1.222	0.4000	4.65	5.00	-7.1	20.0
Benzo[k]fluoranthene	QuaF		1.311	0.4000	5.24	5.00	4.9	20.0
Benzo[a]pyrene	Ave	1.082	1.086	0.4000	5.02	5.00	0.4	20.0
Indeno[1,2,3-cd]pyrene	QuaF		0.9297	0.2000	4.23	5.00	-15.4	20.0
Dibenz(a,h)anthracene	QuaF		0.9183	0.2000	4.82	5.00	-3.5	20.0
Benzo[g,h,i]perylene	QuaF		0.9622	0.2000	4.85	5.00	-3.1	20.0
o-Terphenyl	QuaF		0.7506		5.79	5.00	15.7	20.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1602.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Oct-2014 09:29:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 680-0013814-002
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub5

Method: \\SAVCHROM\ChromData\CMSY\20141016-13814.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 16-Oct-2014 11:52:28 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: XAWRK010

First Level Reviewer: webbk Date: 16-Oct-2014 09:53:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.803	2.803	0.000	98	126099	2.00	2.00	
* 2 Acenaphthene-d10	164	4.487	4.487	0.000	91	70268	2.00	2.00	
* 3 Phenanthrene-d10	188	6.054	6.054	0.000	98	117518	2.00	2.00	s
* 4 Chrysene-d12	240	8.927	8.927	0.000	99	113158	2.00	2.00	s
* 5 Perylene-d12	264	10.269	10.269	0.000	98	96125	2.00	2.00	s
$ 6 o-Terphenyl	230	6.541	6.541	0.000	91	212330	5.00	5.79	
7 Naphthalene	128	2.819	2.819	0.000	99	361153	5.00	5.25	
8 2-Methylnaphthalene	142	3.455	3.455	0.000	86	236469	5.00	5.18	
9 1-Methylnaphthalene	142	3.546	3.546	0.000	92	216672	5.00	5.12	
11 Acenaphthylene	152	4.338	4.338	0.000	98	358245	5.00	5.26	
12 Acenaphthene	153	4.519	4.519	0.000	93	225585	5.00	5.16	
14 Fluorene	166	5.065	5.065	0.000	96	249726	5.00	5.17	
15 Phenanthrene	178	6.081	6.081	0.000	96	344156	5.00	4.89	
16 Anthracene	178	6.135	6.135	0.000	99	342402	5.00	4.90	
17 Fluoranthene	202	7.376	7.376	0.000	98	366516	5.00	4.92	
18 Pyrene	202	7.606	7.606	0.000	97	377540	5.00	5.12	
19 Benzo[a]anthracene	228	8.916	8.916	0.000	98	330259	5.00	4.99	
20 Chrysene	228	8.953	8.953	0.000	99	298361	5.00	4.86	
21 Benzo[b]fluoranthene	252	9.948	9.948	0.000	99	293692	5.00	4.65	
22 Benzo[k]fluoranthene	252	9.975	9.975	0.000	99	315146	5.00	5.24	
23 Benzo[a]pyrene	252	10.221	10.221	0.000	98	261030	5.00	5.02	
24 Indeno[1,2,3-cd]pyrene	276	11.109	11.109	0.000	99	262998	5.00	4.23	
25 Dibenz(a,h)anthracene	278	11.136	11.136	0.000	97	220679	5.00	4.82	
26 Benzo[g,h,i]perylene	276	11.323	11.323	0.000	98	231231	5.00	4.85	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Reagents:

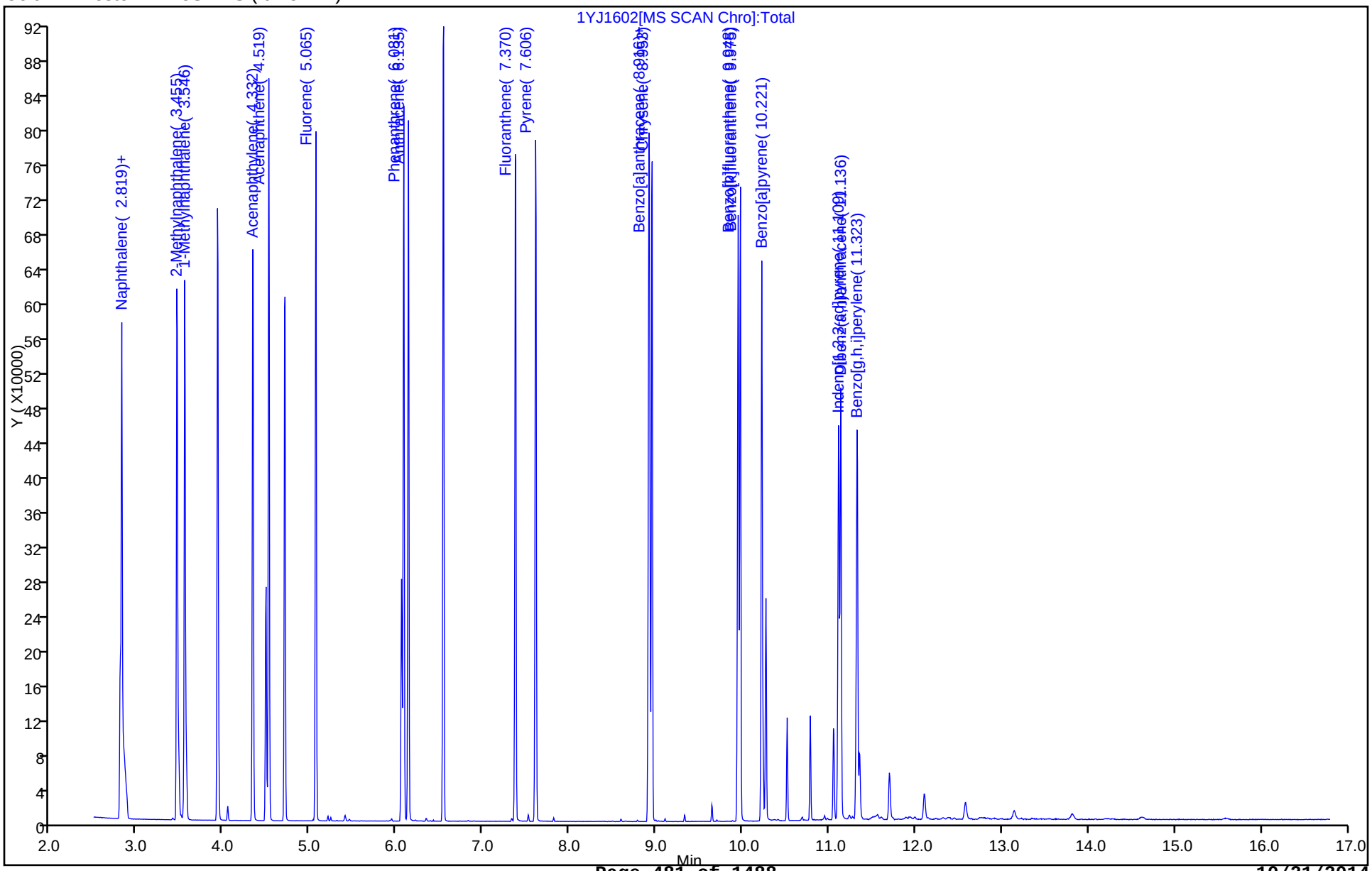
SMLLPAH5.0LVI_00022 Amount Added: 1.00 Units: mL

Report Date: 16-Oct-2014 11:52:28 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1602.D				
Injection Date:	16-Oct-2014 09:29:30	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)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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

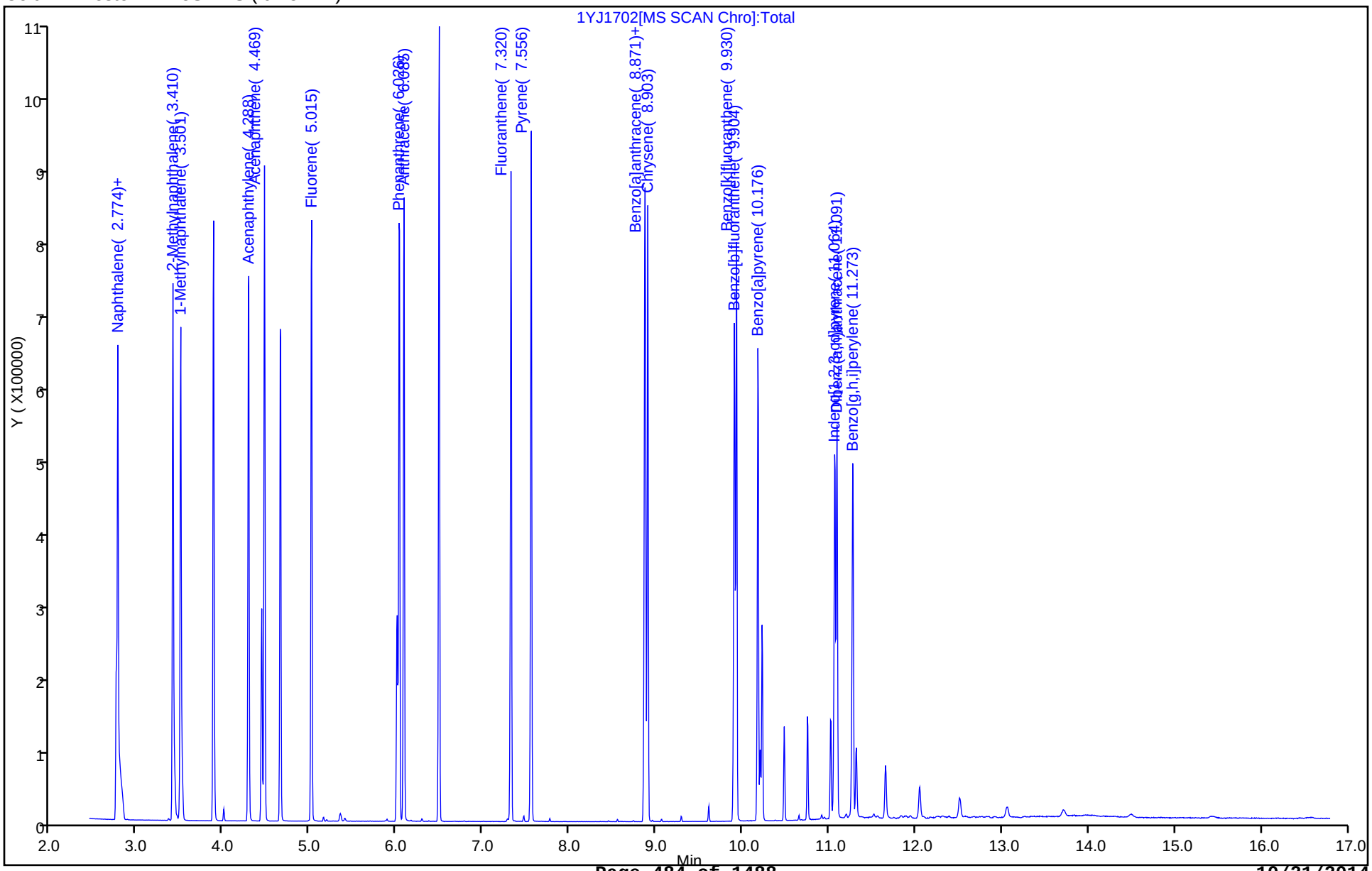
Lims ID: CCVIS Worklist Smp#: 2

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\CMSK\20141007-13560.b\1KJ0702.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-Oct-2014 14:52:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 680-0013560-002
Operator ID: RM Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 08-Oct-2014 10:09:36 Calib Date: 07-Oct-2014 17:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: moorer Date: 08-Oct-2014 10:02:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 DFTPP									
28 4,4'-DDD	235	5.887	5.887	0.000	53	4249		NR	7
29 4,4'-DDT	235	6.122	6.122	0.000	97	204020	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

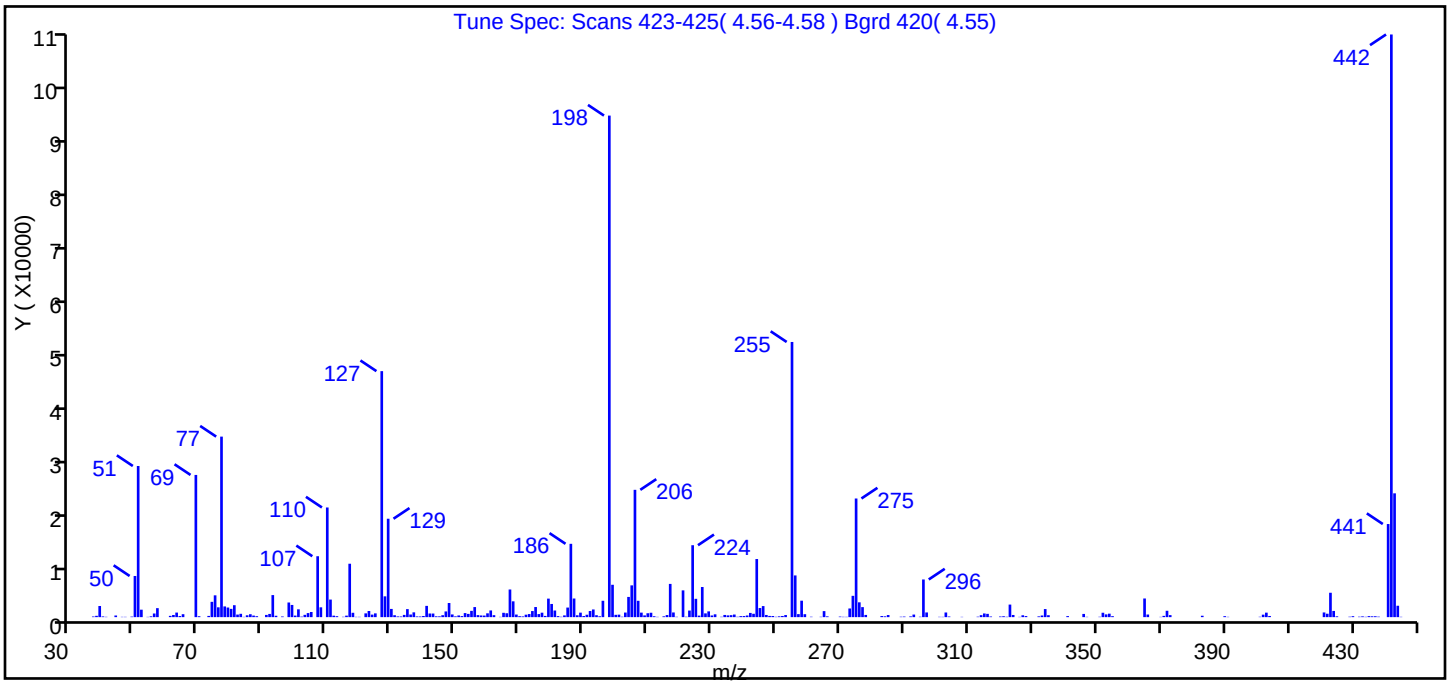
Report Date: 08-Oct-2014 10:09:37 Chrom Revision: 2.2 18-Aug-2014 12:17:36

MS Tune Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0702.D				
Injection Date:	07-Oct-2014 14:52:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	RM	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Tune Method:	DFTPP Method 525.2, BP 442				

27 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
442	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 442	25.90
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	24.40
70	Less than 2.00% of mass 69	0.20 (0.60)
127	10.00 - 80.00% of mass 442	42.20
197	Less than 2.00% of mass 198	0.00 (0.00)
198	Greater than 50.00% of mass 442	86.10
199	5.00 - 9.00% of mass 198	5.60 (6.50)
275	10.00 - 60.00% of mass 442	20.40
365	Greater than 1.00% of mass 442	3.20
441	Present, but less than mass 443	16.00 (75.20)
443	15.00 - 24.00% of mass 442	21.20

Data File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0702.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 07-Oct-2014 14:52:30
Spectrum: Tune Spec: Scans 423-425(4.56-4.58) Bgrd 420(4.55)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 280

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	119	129.00	17976	201.00	454	285.00	384
38.00	242	130.00	1502	202.00	77	289.00	75
39.00	2035	131.00	351	203.00	839	290.00	104
40.00	131	132.00	132	204.00	3692	292.00	135
41.00	59	133.00	119	205.00	5803	293.00	471
44.00	299	134.00	411	206.00	23256	295.00	72
46.00	54	135.00	1467	207.00	2988	296.00	6880
47.00	54	136.00	479	208.00	825	297.00	857
49.00	98	137.00	877	209.00	319	301.00	59
50.00	7518	138.00	127	210.00	712	302.00	54
51.00	27608	139.00	118	211.00	804	303.00	850
52.00	1362	140.00	210	212.00	160	304.00	115
54.00	50	141.00	2057	213.00	53	308.00	52
55.00	148	142.00	665	215.00	148	313.00	82
56.00	665	143.00	657	216.00	379	314.00	361
57.00	1643	144.00	148	217.00	6071	315.00	671
61.00	233	145.00	147	218.00	855	316.00	601
62.00	393	146.00	353	219.00	65	317.00	115
63.00	834	147.00	1042	221.00	4891	320.00	116
64.00	197	148.00	2582	222.00	73	321.00	162
65.00	537	149.00	491	223.00	1203	322.00	69
69.00	25976	150.00	141	224.00	13139	323.00	2295
70.00	166	151.00	307	225.00	3346	324.00	397
73.00	225	152.00	192	226.00	278	326.00	50
74.00	2796	153.00	743	227.00	5504	327.00	340
75.00	3983	154.00	593	228.00	688	328.00	195
76.00	1797	155.00	1150	229.00	1053	332.00	141
77.00	32976	156.00	1839	230.00	305	333.00	299
78.00	1958	157.00	372	231.00	517	334.00	1476
79.00	1757	158.00	305	233.00	67	335.00	353
80.00	1513	159.00	287	234.00	399	341.00	189
81.00	2180	160.00	699	235.00	318	346.00	587
82.00	469	161.00	1223	236.00	363	347.00	56

Report Date: 08-Oct-2014 10:09:37 Chrom Revision: 2.2 18-Aug-2014 12:17:36
Data File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0702.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 07-Oct-2014 14:52:30
Spectrum: Tune Spec: Scans 423-425(4.56-4.58) Bgrd 420(4.55)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 280

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	609	162.00	360	237.00	474	351.00	69
84.00	51	164.00	51	238.00	69	352.00	805
85.00	336	165.00	793	239.00	185	353.00	504
86.00	532	166.00	713	240.00	199	354.00	634
87.00	285	167.00	5051	241.00	299	355.00	178
88.00	172	168.00	2889	242.00	771	365.00	3408
91.00	406	169.00	473	243.00	613	366.00	478
92.00	586	170.00	176	244.00	10615	370.00	50
93.00	4029	171.00	131	245.00	1663	371.00	233
94.00	253	172.00	449	246.00	2020	372.00	1163
96.00	119	173.00	563	247.00	396	373.00	369
98.00	2675	174.00	1113	248.00	223	383.00	255
99.00	2227	175.00	1847	249.00	204	390.00	175
100.00	284	176.00	560	250.00	65	391.00	55
101.00	1429	177.00	813	251.00	147	401.00	69
102.00	94	178.00	224	252.00	212	402.00	452
103.00	421	179.00	3383	253.00	383	403.00	822
104.00	741	180.00	2407	255.00	50264	404.00	212
105.00	940	181.00	1210	256.00	7618	421.00	856
107.00	11127	182.00	189	257.00	551	422.00	624
108.00	1793	183.00	67	258.00	3005	423.00	4455
110.00	20032	184.00	319	259.00	540	424.00	1131
111.00	3209	185.00	1750	261.00	74	425.00	148
112.00	269	186.00	13394	264.00	66	429.00	78
113.00	173	187.00	3403	265.00	1101	430.00	174
115.00	64	188.00	342	266.00	140	432.00	82
116.00	275	189.00	820	270.00	103	433.00	139
117.00	9757	190.00	199	271.00	61	434.00	60
118.00	796	191.00	438	272.00	56	435.00	186
119.00	55	192.00	1116	273.00	1582	436.00	151
120.00	56	193.00	1401	274.00	3892	437.00	161
122.00	691	194.00	352	275.00	21672	438.00	90
123.00	1122	195.00	158	276.00	2707	441.00	17008
124.00	462	196.00	2991	277.00	1829	442.00	106432

Report Date: 08-Oct-2014 10:09:37 Chrom Revision: 2.2 18-Aug-2014 12:17:36
Data File: \\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0702.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 07-Oct-2014 14:52:30
Spectrum: Tune Spec: Scans 423-425(4.56-4.58) Bgrd 420(4.55)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 280

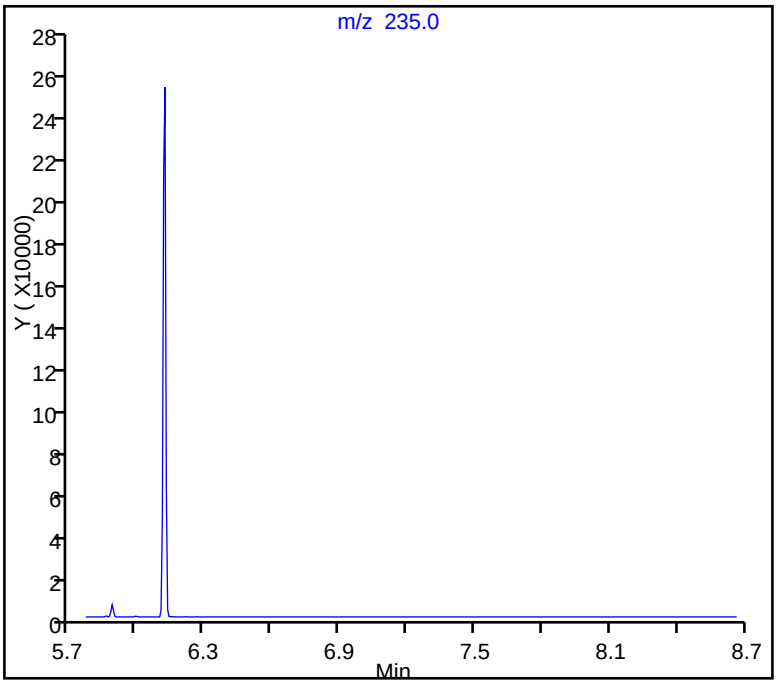
m/z	Y	m/z	Y	m/z	Y	m/z	Y
125.00	689	198.00	91616	278.00	404	443.00	22616
127.00	44936	199.00	5912	283.00	200	444.00	2082
128.00	3800	200.00	425	284.00	148	445.00	59

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0702.D				
Injection Date:	07-Oct-2014 14:52:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	RM	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



SW-846 Method

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

29 4,4'-DDT, Area = 204020
28 4,4'-DDD, Area = 4249
30 4,4'-DDE, Area = 0

%Breakdown: 2.04%, Max Limit: 20.00%
Passed

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1701.D				
Lims ID:	DFTPP				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	17-Oct-2014 09:29:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	DFTPP				
Misc. Info.:	680-0013846-001				
Operator ID:	RM	Instrument ID:	CMSK		
Method:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	17-Oct-2014 14:56:05	Calib Date:	07-Oct-2014 17:04:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20141007-13560.b\1KJ0708.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK031				
First Level Reviewer: webbk		Date:	17-Oct-2014 09:43:37		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 DFTPP									
28 4,4'-DDD	235	5.540	5.540	0.000	91	7584		NR	7
29 4,4'-DDT	235	5.763	5.763	0.000	97	341076	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

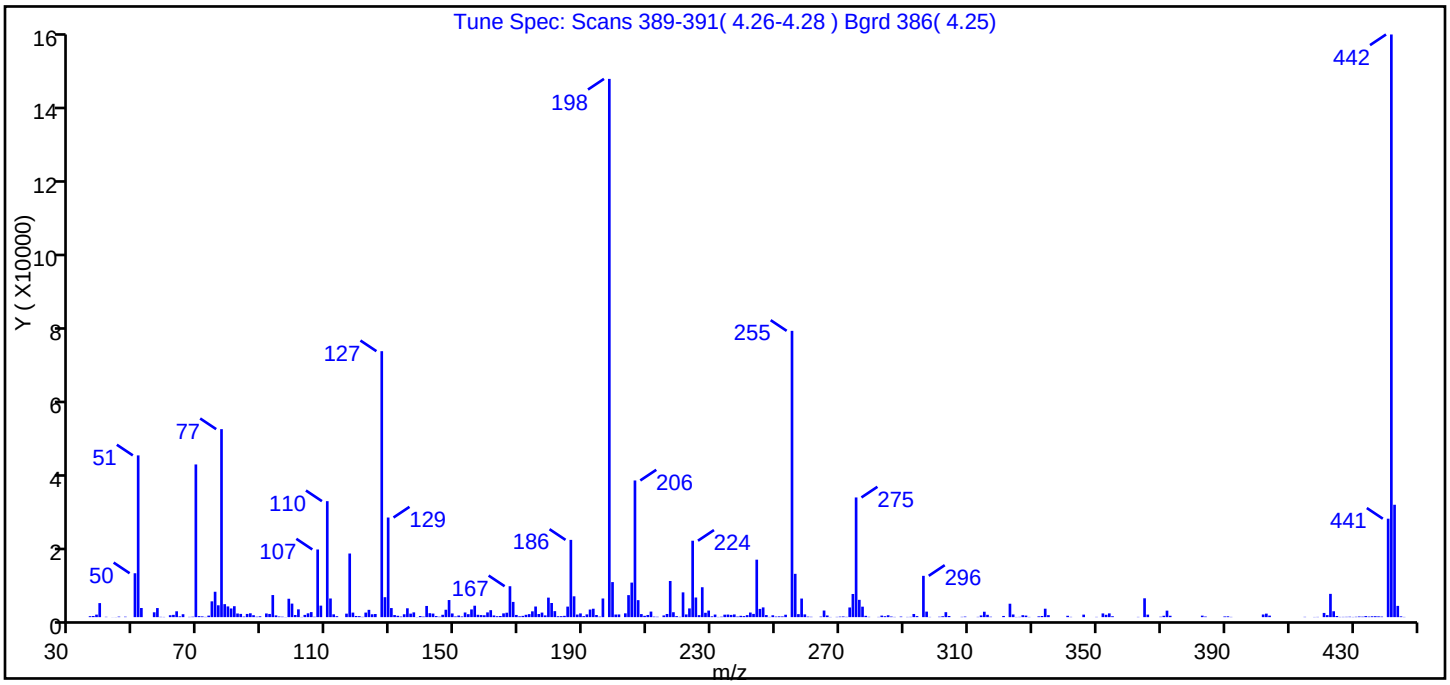
Report Date: 17-Oct-2014 14:56:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

MS Tune Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1701.D				
Injection Date:	17-Oct-2014 09:29:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	RM	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Tune Method:	DFTPP Method 525.2, BP 442				

27 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
442	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 442	27.80
68	Less than 2.00% of mass 69	0.10 (0.30)
69	Present	26.20
70	Less than 2.00% of mass 69	0.20 (0.70)
127	10.00 - 80.00% of mass 442	45.60
197	Less than 2.00% of mass 198	0.00 (0.00)
198	Greater than 50.00% of mass 442	92.40
199	5.00 - 9.00% of mass 198	6.00 (6.50)
275	10.00 - 60.00% of mass 442	20.50
365	Greater than 1.00% of mass 442	3.20
441	Present, but less than mass 443	16.90 (87.60)
443	15.00 - 24.00% of mass 442	19.30

Data File: \\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1701.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 17-Oct-2014 09:29:30
Spectrum: Tune Spec: Scans 389-391(4.26-4.28) Bgrd 386(4.25)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	253	129.00	26416	209.00	352	297.00	1469
37.00	307	130.00	2409	210.00	576	298.00	60
38.00	669	131.00	553	211.00	1476	301.00	111
39.00	3723	132.00	360	212.00	135	302.00	235
41.00	91	133.00	152	213.00	100	303.00	1319
43.00	21	134.00	759	215.00	452	304.00	302
44.00	28	135.00	2352	216.00	838	308.00	78
45.00	139	136.00	929	217.00	9585	309.00	146
47.00	120	137.00	1265	218.00	1307	313.00	73
50.00	11639	138.00	35	219.00	261	314.00	451
51.00	42888	139.00	291	220.00	80	315.00	1436
52.00	2422	140.00	145	221.00	6572	316.00	618
56.00	1288	141.00	2966	222.00	720	317.00	110
57.00	2410	142.00	1048	223.00	2317	321.00	312
58.00	76	143.00	948	224.00	20264	323.00	3562
59.00	56	144.00	280	225.00	5209	324.00	709
61.00	504	145.00	116	226.00	526	325.00	52
62.00	603	146.00	624	227.00	7929	326.00	74
63.00	1556	147.00	1963	228.00	1156	327.00	517
64.00	193	148.00	4535	229.00	1742	328.00	411
65.00	774	149.00	979	230.00	210	329.00	59
67.00	73	150.00	180	231.00	685	332.00	212
68.00	115	151.00	433	232.00	59	333.00	304
69.00	40488	152.00	185	233.00	120	334.00	2239
70.00	264	153.00	1233	234.00	655	335.00	527
71.00	195	154.00	781	235.00	686	341.00	361
72.00	63	155.00	2051	236.00	591	342.00	71
73.00	403	156.00	3029	237.00	715	346.00	667
74.00	4191	157.00	625	238.00	152	350.00	67
75.00	6733	158.00	547	239.00	356	352.00	987
76.00	3145	159.00	493	240.00	276	353.00	625
77.00	49848	160.00	1259	241.00	532	354.00	999
78.00	3448	161.00	1848	242.00	1223	355.00	241

Report Date: 17-Oct-2014 14:56:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36
Data File: \\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1701.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 17-Oct-2014 09:29:30
Spectrum: Tune Spec: Scans 389-391(4.26-4.28) Bgrd 386(4.25)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	2844	162.00	446	243.00	857	363.00	64
80.00	2304	163.00	248	244.00	15239	365.00	4998
81.00	2900	164.00	305	245.00	2186	366.00	666
82.00	967	165.00	1000	246.00	2584	370.00	109
83.00	860	166.00	1172	247.00	552	371.00	366
84.00	152	167.00	8197	248.00	63	372.00	1724
85.00	852	168.00	4039	249.00	496	373.00	367
86.00	1027	169.00	582	250.00	147	383.00	395
87.00	510	170.00	222	251.00	207	384.00	159
88.00	117	171.00	341	252.00	189	390.00	185
89.00	229	172.00	627	253.00	641	391.00	216
91.00	976	173.00	797	255.00	75912	392.00	65
92.00	849	174.00	1541	256.00	11484	402.00	706
93.00	5859	175.00	2820	257.00	799	403.00	934
94.00	462	176.00	832	258.00	4931	404.00	407
95.00	166	177.00	1207	259.00	733	415.00	76
96.00	114	178.00	462	260.00	141	418.00	50
97.00	34	179.00	5176	261.00	87	419.00	64
98.00	4879	180.00	3751	264.00	142	421.00	1116
99.00	3589	181.00	1591	265.00	1755	422.00	537
100.00	563	182.00	242	266.00	438	423.00	6172
101.00	2070	183.00	259	267.00	50	424.00	1560
102.00	51	184.00	344	269.00	69	425.00	303
103.00	594	185.00	2794	270.00	134	426.00	60
104.00	1012	186.00	20488	271.00	178	427.00	72
105.00	1339	187.00	5523	272.00	79	428.00	86
106.00	97	188.00	688	273.00	2565	429.00	113
107.00	17944	189.00	990	274.00	6142	430.00	54
108.00	3053	190.00	264	275.00	31736	431.00	99
110.00	30752	191.00	734	276.00	4588	432.00	173
111.00	4947	192.00	2016	277.00	2777	433.00	130
112.00	746	193.00	2230	278.00	353	434.00	287
113.00	253	194.00	570	279.00	84	435.00	153
116.00	928	195.00	136	282.00	65	436.00	227

Report Date: 17-Oct-2014 14:56:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36
Data File: \\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1701.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 17-Oct-2014 09:29:30
Spectrum: Tune Spec: Scans 389-391(4.26-4.28) Bgrd 386(4.25)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	16872	196.00	4946	283.00	411	437.00	247
118.00	1206	198.00	142720	284.00	247	438.00	207
119.00	307	199.00	9293	285.00	499	439.00	147
120.00	265	200.00	696	286.00	157	441.00	26104
121.00	77	201.00	714	287.00	63	442.00	154496
122.00	1207	203.00	1010	289.00	152	443.00	29800
123.00	1939	204.00	5838	291.00	60	444.00	2983
124.00	762	205.00	9159	292.00	78	445.00	207
125.00	829	206.00	36240	293.00	839	446.00	58
127.00	70520	207.00	4506	294.00	270		
128.00	5287	208.00	809	296.00	10954		

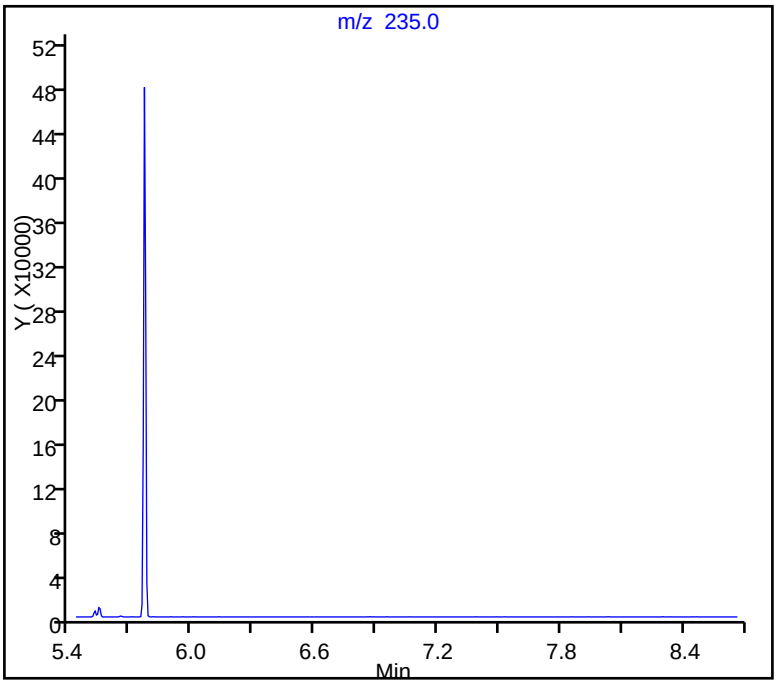
Report Date: 17-Oct-2014 14:56:05 Chrom Revision: 2.2 18-Aug-2014 12:17:36

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20141017-13846.b\1KJ1701.D				
Injection Date:	17-Oct-2014 09:29:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	RM	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



SW-846 Method

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

29 4,4'-DDT, Area = 341076
28 4,4'-DDD, Area = 7584
30 4,4'-DDE, Area = 0

%Breakdown: 2.18%, Max Limit: 20.00%
Passed

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

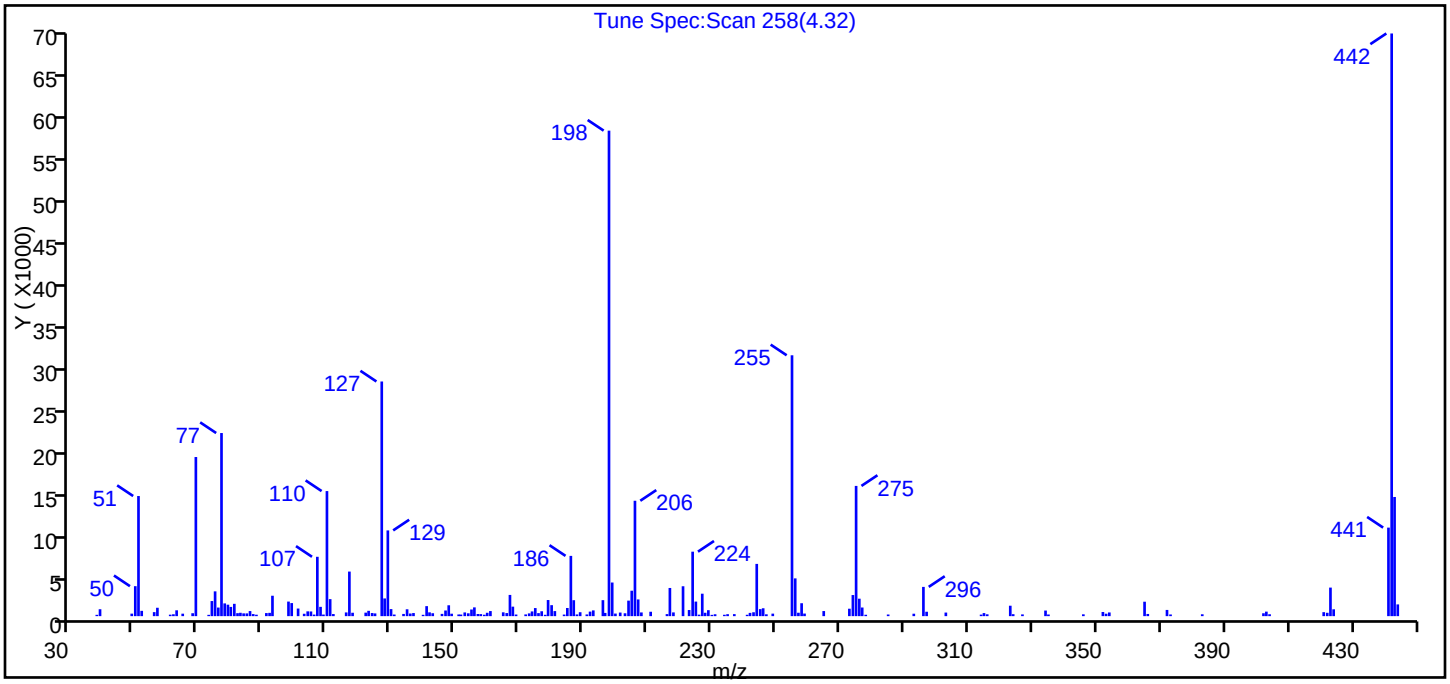
Report Date: 08-Oct-2014 12:15:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36

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

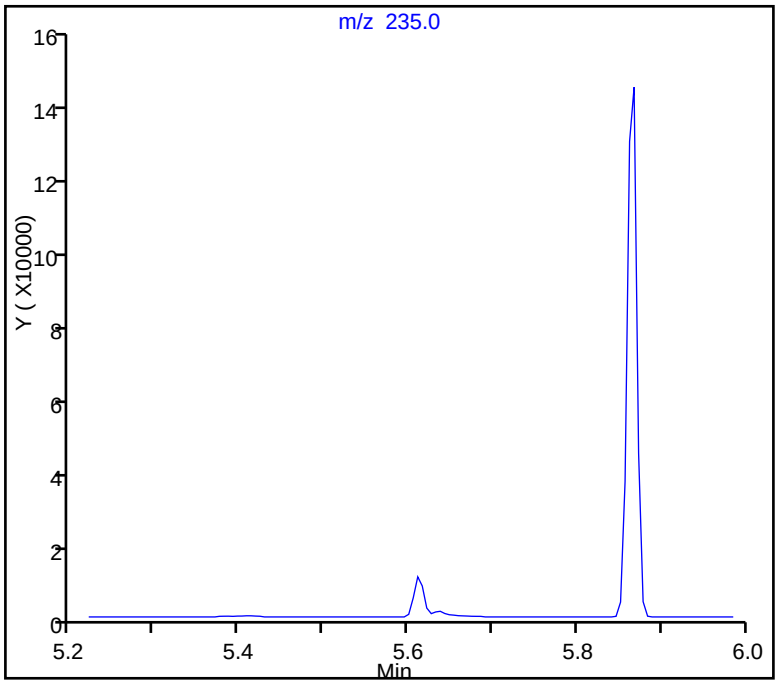
m/z	Y	m/z	Y	m/z	Y	m/z	Y
97.90	1734	160.90	604	227.90	401	373.10	199
98.90	1555	164.90	455	228.90	710	383.00	222
100.90	906	166.00	366	230.00	153	402.10	342
102.80	284	167.00	2526	231.00	225	403.00	538
103.90	570	167.90	1130	233.90	165	404.00	224
104.90	557	168.90	192	234.90	234	420.90	474
105.90	186	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\20141016-13814.b\1YJ1601.D				
Lims ID:	DFTPP				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	16-Oct-2014 09:11:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	DFTPP				
Misc. Info.:	680-0013814-001				
Operator ID:	RM	Instrument ID:	CMSY		
Method:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\8270D_LLPAH_MSY.m				
Limit Group:	8270D_LL_PAH				
Last Update:	17-Oct-2014 08:59:05	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:	XAWRK009				
First Level Reviewer: webbk		Date:	17-Oct-2014 08:59:05		

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	4.888	4.888	0.000	86	356		NR	7
29 4,4'-DDD	235	5.177	5.177	0.000	95	2508		NR	7
30 4,4'-DDT	235	5.402	5.402	0.000	97	101596	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

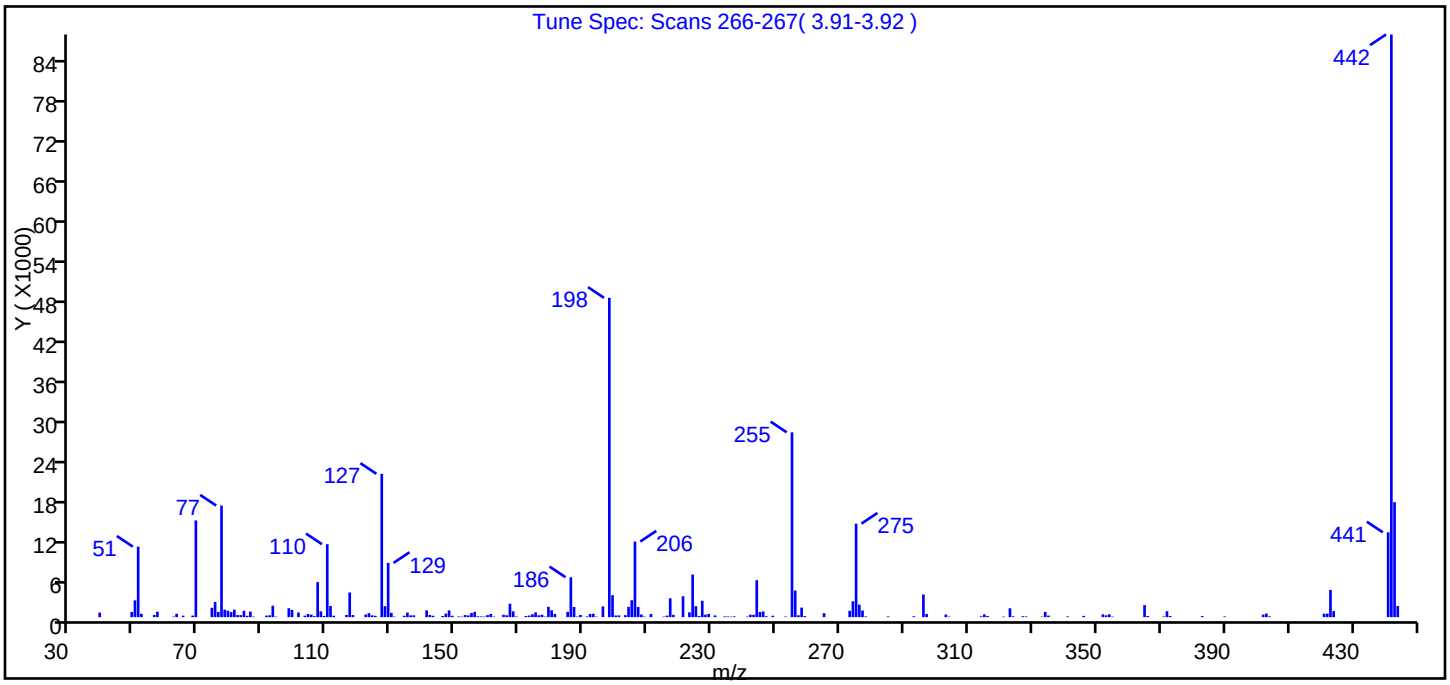
Report Date: 17-Oct-2014 08:59:06 Chrom Revision: 2.2 18-Aug-2014 12:17:36

MS Tune Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1601.D				
Injection Date:	16-Oct-2014 09:11:30	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	12.10
68	Less than 2.00% of mass 69	0.30 (1.60)
69	Present	16.60
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 442	24.60
197	Less than 2.00% of mass 198	0.00 (0.00)
198	Greater than 50.00% of mass 442	54.80
199	5.00 - 9.00% of mass 198	3.80 (6.90)
275	10.00 - 60.00% of mass 442	16.00
365	Greater than 1.00% of mass 442	2.10
441	Present, but less than mass 443	14.60 (73.80)
443	15.00 - 24.00% of mass 442	19.70

Data File: \\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1601.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 16-Oct-2014 09:11:30
Spectrum: Tune Spec: Scans 266-267(3.91-3.92)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 194

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	683	125.00	207	191.00	107	273.00	953
49.00	789	127.00	21640	192.00	491	274.00	2393
50.00	2538	128.00	1659	193.00	514	275.00	14120
51.00	10645	129.00	8184	194.00	79	276.00	1890
52.00	499	130.00	649	196.00	1620	277.00	998
56.00	331	131.00	80	198.00	48224	278.00	105
57.00	816	134.00	209	199.00	3316	285.00	112
62.00	85	135.00	694	200.00	254	293.00	135
63.00	496	136.00	269	201.00	263	296.00	3423
65.00	223	137.00	274	203.00	295	297.00	477
68.00	235	141.00	1024	204.00	1557	303.00	395
69.00	14609	142.00	338	205.00	2556	304.00	81
74.00	1410	143.00	215	206.00	11416	314.00	132
75.00	2299	146.00	171	207.00	1539	315.00	417
76.00	790	147.00	537	208.00	399	316.00	170
77.00	16848	148.00	1016	209.00	82	321.00	83
78.00	1136	149.00	206	211.00	482	323.00	1339
79.00	973	151.00	101	215.00	81	324.00	129
80.00	758	152.00	76	216.00	231	327.00	137
81.00	1128	153.00	310	217.00	2850	328.00	105
82.00	319	154.00	261	218.00	346	333.00	79
83.00	303	155.00	626	221.00	3152	334.00	795
84.00	970	156.00	804	223.00	729	335.00	232
85.00	198	157.00	125	224.00	6434	341.00	115
86.00	841	158.00	111	225.00	1652	346.00	186
87.00	78	159.00	88	226.00	185	352.00	424
91.00	231	160.00	310	227.00	2477	353.00	277
92.00	283	161.00	489	228.00	383	354.00	420
93.00	1726	162.00	84	229.00	500	355.00	77
94.00	76	165.00	357	231.00	257	365.00	1820
98.00	1337	166.00	282	234.00	106	366.00	182
99.00	1102	167.00	2026	235.00	105	371.00	101
101.00	701	168.00	883	236.00	75	372.00	894

Report Date: 17-Oct-2014 08:59:06 Chrom Revision: 2.2 18-Aug-2014 12:17:36
Data File: \\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1601.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 16-Oct-2014 09:11:30
Spectrum: Tune Spec: Scans 266-267(3.91-3.92)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 194

m/z	Y	m/z	Y	m/z	Y	m/z	Y
103.00	220	169.00	97	237.00	116	373.00	170
104.00	477	172.00	179	241.00	87	383.00	157
105.00	374	173.00	243	242.00	373	390.00	104
106.00	152	174.00	429	243.00	350	402.00	388
107.00	5296	175.00	725	244.00	5585	403.00	541
108.00	876	176.00	280	245.00	788	404.00	126
109.00	174	177.00	369	246.00	865	421.00	527
110.00	11017	178.00	79	247.00	131	422.00	527
111.00	1689	179.00	1559	249.00	213	423.00	4106
112.00	211	180.00	1040	253.00	89	424.00	915
116.00	325	181.00	475	255.00	27912	441.00	12810
117.00	3723	185.00	804	256.00	4019	442.00	87992
118.00	314	186.00	6025	257.00	281	443.00	17368
122.00	391	187.00	1529	258.00	1445	444.00	1676
123.00	599	188.00	86	259.00	160		
124.00	272	189.00	326	265.00	598		

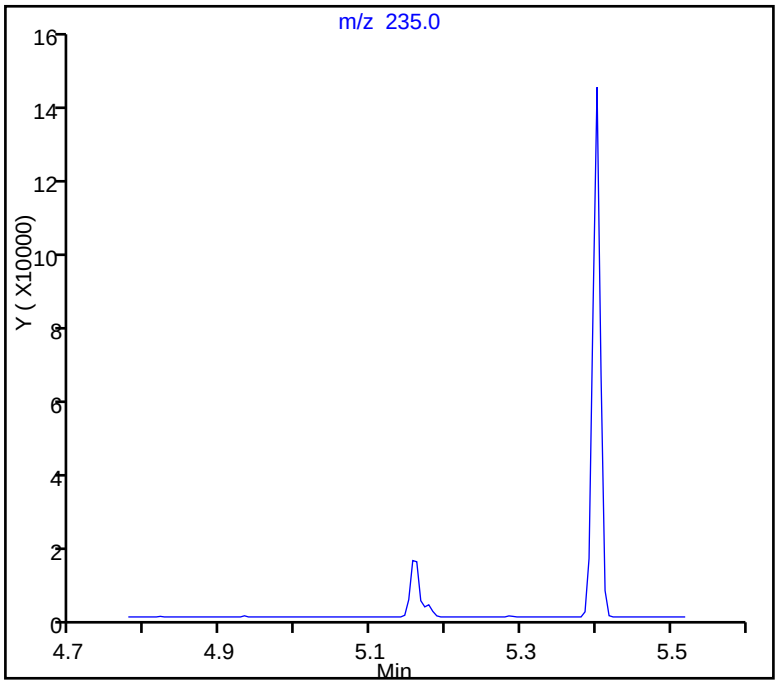
Report Date: 17-Oct-2014 08:59:06 Chrom Revision: 2.2 18-Aug-2014 12:17:36

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1601.D				
Injection Date:	16-Oct-2014 09:11:30	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 = 101596
29 4,4'-DDD, Area = 2508
28 4,4'-DDE, Area = 356

%Breakdown: 2.74%, 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:

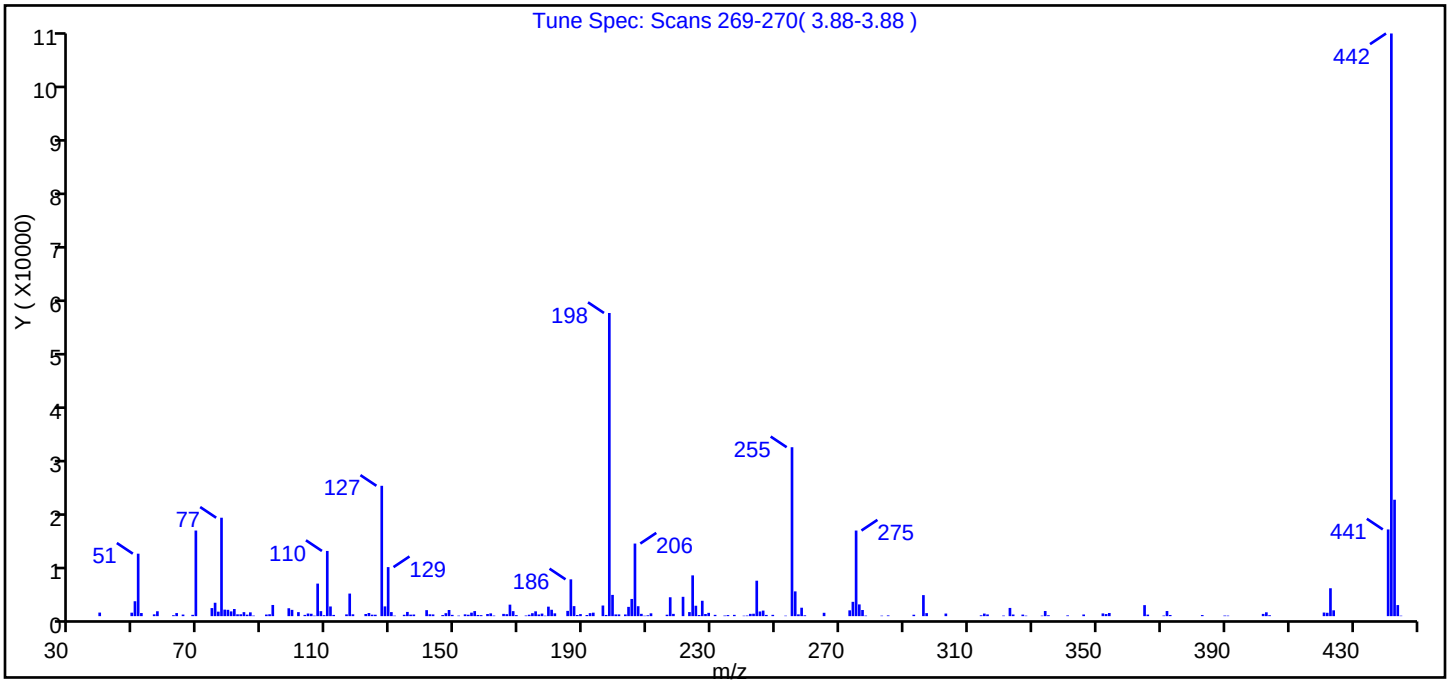
SM-LLTUNE_00079 Amount Added: 1.00 Units: mL

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

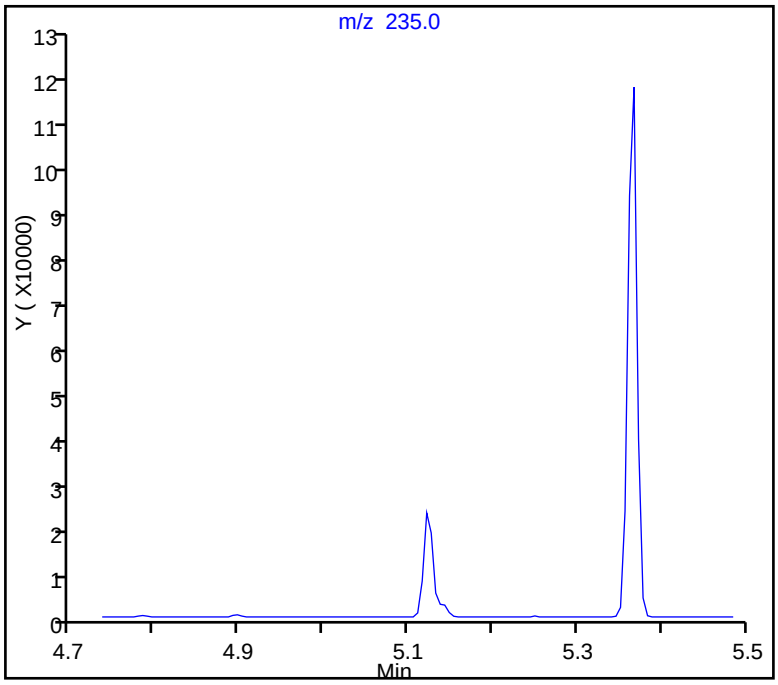
m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	453	173.00	248	241.00	100	383.00	187
105.00	414	174.00	509	242.00	396	390.00	100
106.00	84	175.00	833	243.00	418	391.00	88
107.00	5629	176.00	284	244.00	6130	402.00	387
108.00	865	177.00	442	245.00	807	403.00	666
109.00	161	178.00	78	246.00	960	404.00	162
110.00	11274	179.00	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.: 680-106200-3
SDG No.: 680-106200-03
Client Sample ID:
Lab Sample ID: MB 680-353477/21-A
Matrix: Solid
Lab File ID: 1YJ1607.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 10/15/2014 10:01
Sample wt/vol: 30.06(g)
Date Analyzed: 10/16/2014 11:43
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.: 353862
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	117		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1607.D				
Lims ID:	MB 680-353477/21-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	16-Oct-2014 11:43:30	ALS Bottle#:	6	Worklist Smp#:	7
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 353477/21-A				
Misc. Info.:	680-0013814-007				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	17-Oct-2014 08:59:05	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:	XAWRK009	

First Level Reviewer: webbk Date: 16-Oct-2014 12:04:49

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	2.797	2.803	-0.006	98	134339	2.00	2.00	
* 2 Acenaphthene-d10	164	4.487	4.487	0.000	91	78930	2.00	2.00	
* 3 Phenanthrene-d10	188	6.060	6.054	0.006	98	128522	2.00	2.00	
* 4 Chrysene-d12	240	8.927	8.927	0.000	99	107830	2.00	2.00	
* 5 Perylene-d12	264	10.280	10.269	0.011	99	93551	2.00	2.00	
$ 6 o-Terphenyl	230	6.541	6.541	0.000	92	80896	2.00	2.34	

Reagents:

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

Report Date: 17-Oct-2014 08:59:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1607.D

Injection Date: 16-Oct-2014 11:43:30 Instrument ID: CMSY Operator ID: RM

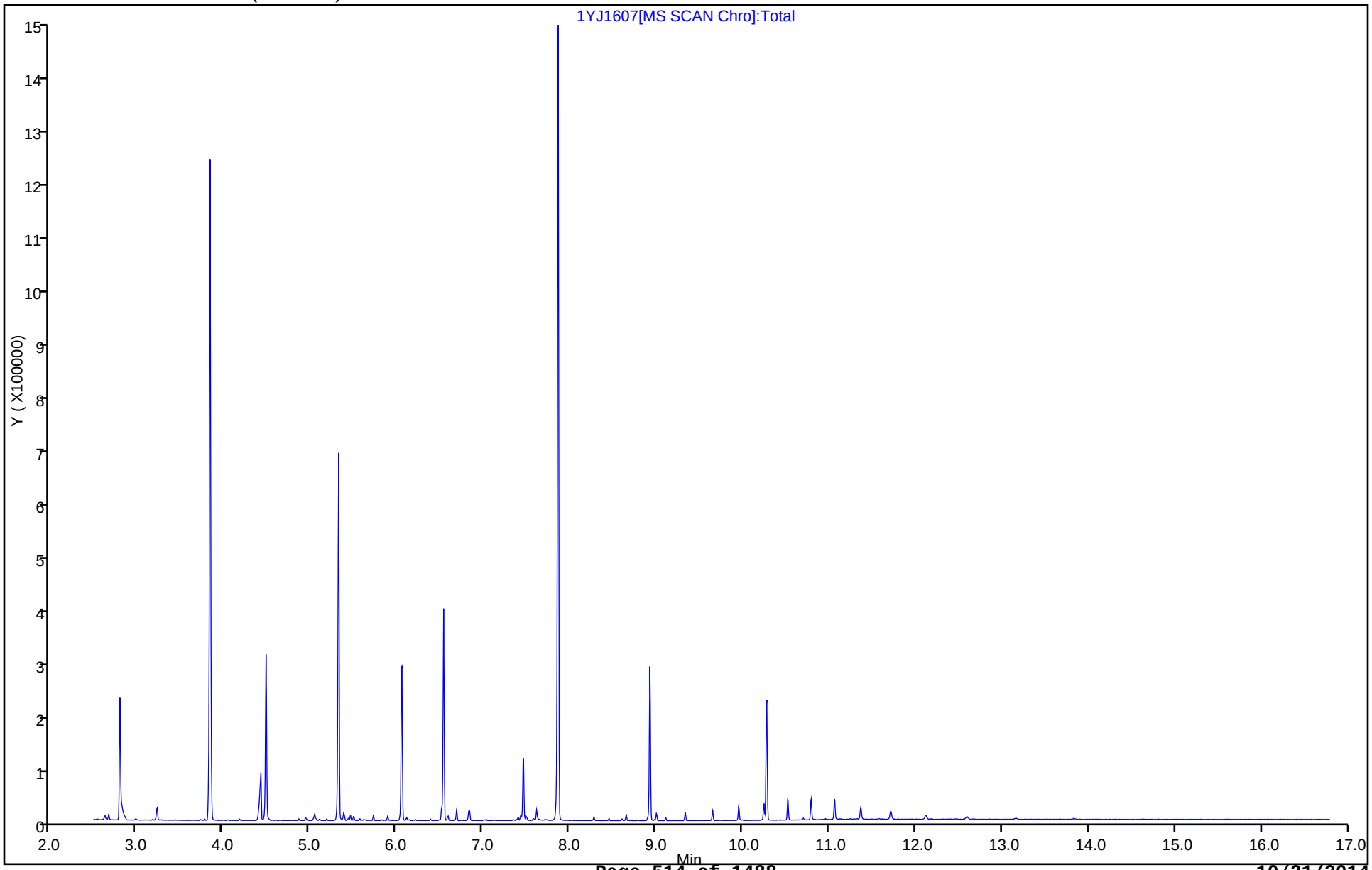
Lims ID: MB 680-353477/21-A Worklist Smp#: 7

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.: 680-106200-3
SDG No.: 680-106200-03
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

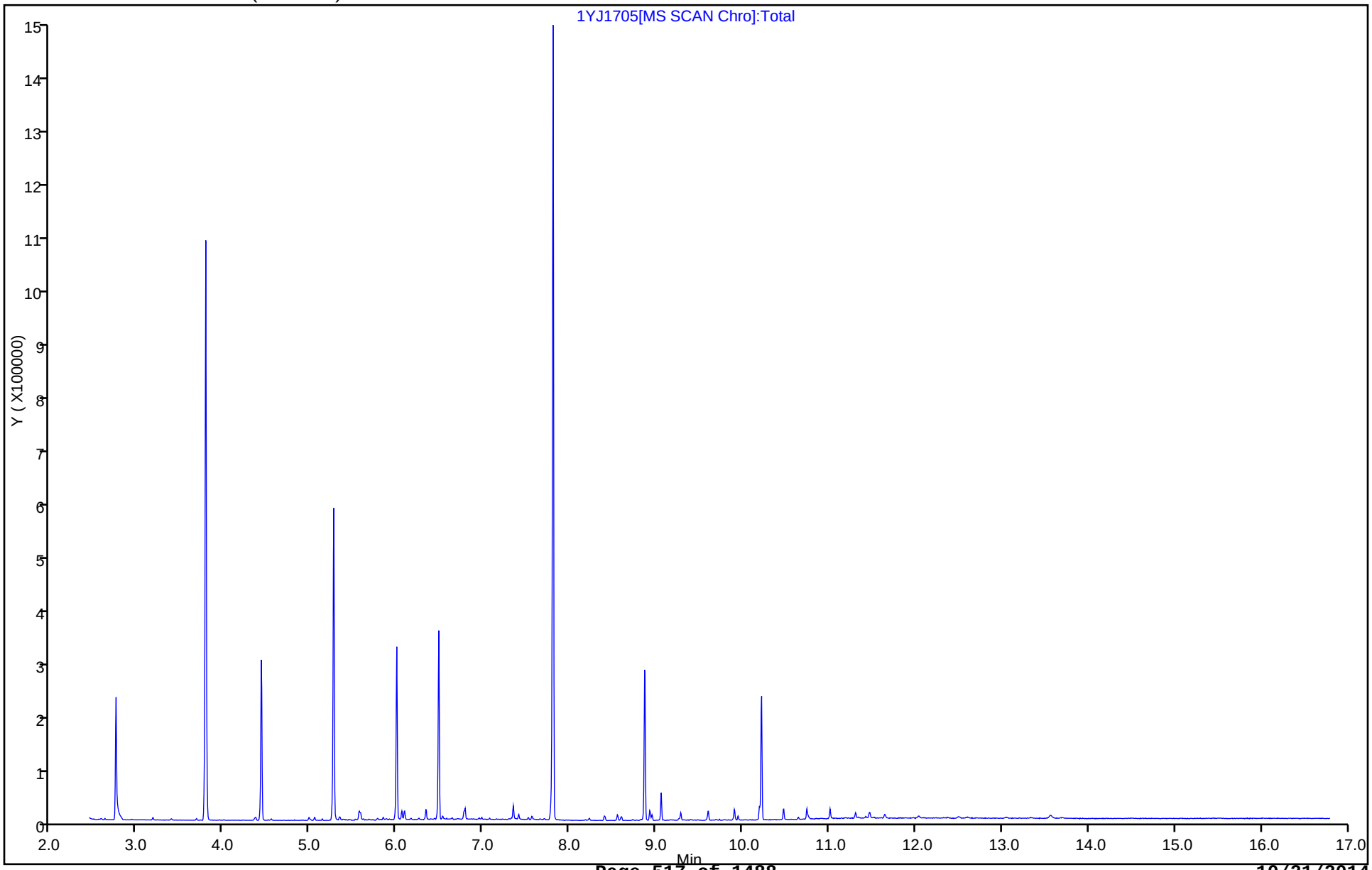
Lims ID: MB 680-353671/19-A Worklist Smp#: 5

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.: 680-106200-3
SDG No.: 680-106200-03
Client Sample ID:
Lab Sample ID: LCS 680-353477/22-A
Matrix: Solid
Lab File ID: 1YJ1608.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 10/15/2014 10:01
Sample wt/vol: 30.02(g)
Date Analyzed: 10/16/2014 12:05
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.: 353862
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	202		6.7	3.3
208-96-8	Acenaphthylene	198		6.7	3.3
120-12-7	Anthracene	213		6.7	3.3
56-55-3	Benzo[a]anthracene	228		6.7	3.3
50-32-8	Benzo[a]pyrene	228		6.7	1.2
205-99-2	Benzo[b]fluoranthene	235		6.7	3.3
191-24-2	Benzo[g,h,i]perylene	228		6.7	3.3
207-08-9	Benzo[k]fluoranthene	222		6.7	2.0
218-01-9	Chrysene	233		6.7	3.3
53-70-3	Dibenz(a,h)anthracene	243		6.7	3.3
206-44-0	Fluoranthene	209		6.7	3.3
86-73-7	Fluorene	199		6.7	3.3
193-39-5	Indeno[1,2,3-cd]pyrene	208		6.7	3.3
90-12-0	1-Methylnaphthalene	197		6.7	3.1
91-57-6	2-Methylnaphthalene	196		6.7	3.3
91-20-3	Naphthalene	191		6.7	3.3
85-01-8	Phenanthrene	209		6.7	2.4
129-00-0	Pyrene	238		6.7	3.3

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1608.D
Lims ID: LCS 680-353477/22-A
Client ID:
Sample Type: LCS
Inject. Date: 16-Oct-2014 12:05:30 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: LCS 353477/22-A
Misc. Info.: 680-0013814-008
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141016-13814.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 17-Oct-2014 08:59:05 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: RT Order 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: XAWRK009

First Level Reviewer: webbk Date: 16-Oct-2014 13:54:06

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	2.797	2.803	-0.006	96	143819	2.00	2.00	
* 2 Acenaphthene-d10	164	4.492	4.487	0.005	92	79381	2.00	2.00	
* 3 Phenanthrene-d10	188	6.060	6.054	0.006	98	123420	2.00	2.00	
* 4 Chrysene-d12	240	8.932	8.927	0.005	91	108408	2.00	2.00	
* 5 Perylene-d12	264	10.274	10.269	0.005	97	91512	2.00	2.00	
$ 6 o-Terphenyl	230	6.541	6.541	0.000	89	58495	2.00	1.68	
7 Naphthalene	128	2.818	2.819	-0.001	99	449748	10.0	5.73	
8 2-Methylnaphthalene	142	3.460	3.455	0.005	83	306186	10.0	5.89	
9 1-Methylnaphthalene	142	3.551	3.546	0.005	89	285614	10.0	5.92	
10 1,1'-Biphenyl	154	4.337	4.332	0.005	0	3495	NC	NC	
11 Acenaphthylene	152	4.337	4.338	-0.001	68	457999	10.0	5.95	
12 Acenaphthene	153	4.525	4.519	0.006	93	299725	10.0	6.06	
14 Fluorene	166	5.070	5.065	0.005	84	326031	10.0	5.98	
15 Phenanthrene	178	6.086	6.081	0.005	96	463223	10.0	6.27	
16 Anthracene	178	6.140	6.135	0.005	91	469456	10.0	6.39	
17 Fluoranthene	202	7.381	7.376	0.005	98	491581	10.0	6.28	
18 Pyrene	202	7.611	7.606	0.005	97	502611	10.0	7.13	
19 Benzo[a]anthracene	228	8.921	8.916	0.005	98	433558	10.0	6.84	
20 Chrysene	228	8.959	8.953	0.006	96	405833	10.0	7.00	
21 Benzo[b]fluoranthene	252	9.953	9.948	0.005	98	425466	10.0	7.07	
22 Benzo[k]fluoranthene	252	9.980	9.975	0.005	95	378627	10.0	6.66	
23 Benzo[a]pyrene	252	10.232	10.221	0.011	97	338734	10.0	6.84	
24 Indeno[1,2,3-cd]pyrene	276	11.119	11.109	0.010	99	372443	10.0	6.26	
25 Dibenz(a,h)anthracene	278	11.146	11.136	0.010	98	318437	10.0	7.28	
26 Benzo[g,h,i]perylene	276	11.333	11.323	0.010	92	311538	10.0	6.84	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

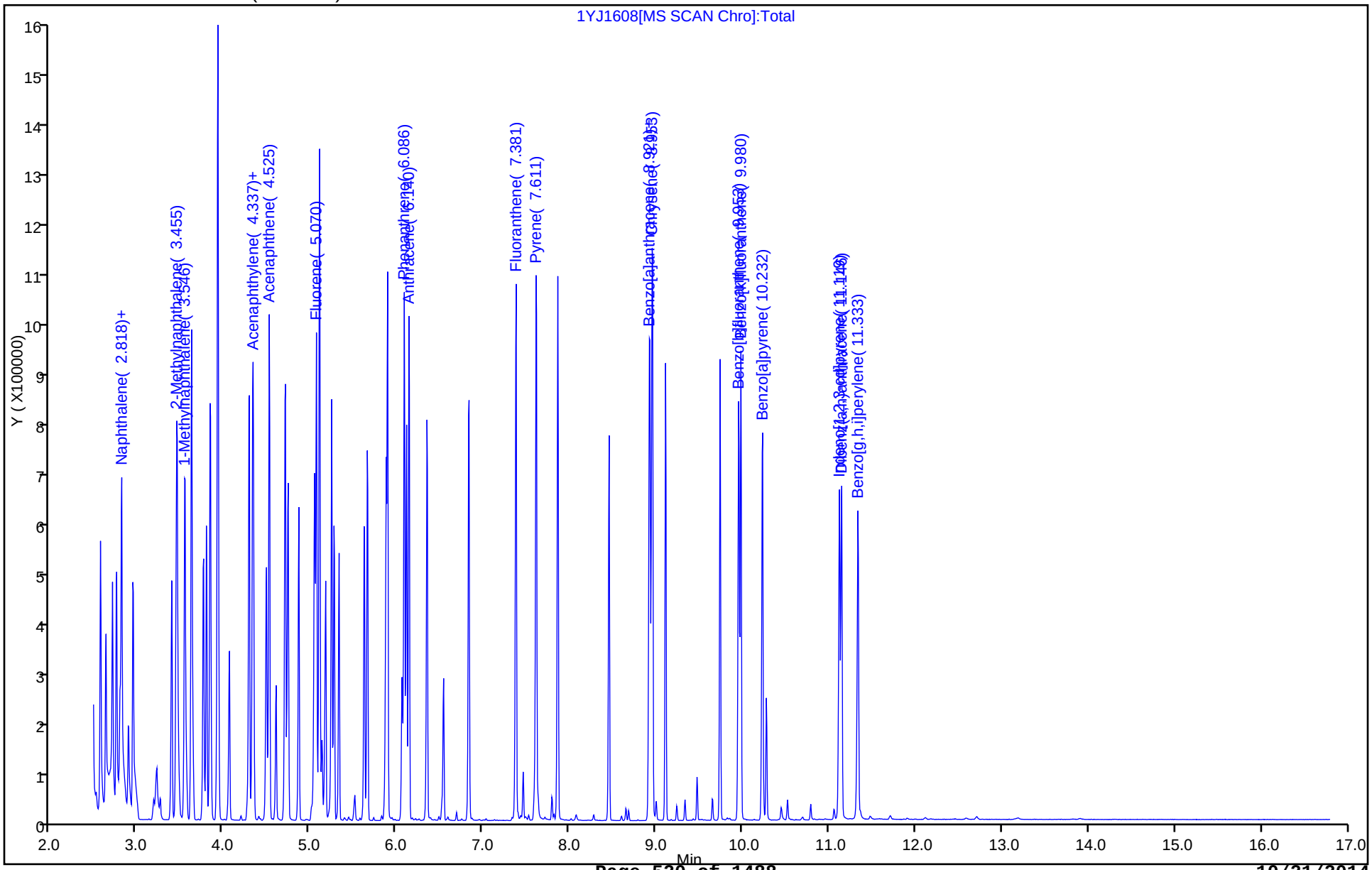
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 17-Oct-2014 08:59:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1608.D				
Injection Date:	16-Oct-2014 12:05:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	LCS 680-353477/22-A			Worklist Smp#:	8
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.: 680-106200-3
SDG No.: 680-106200-03
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:

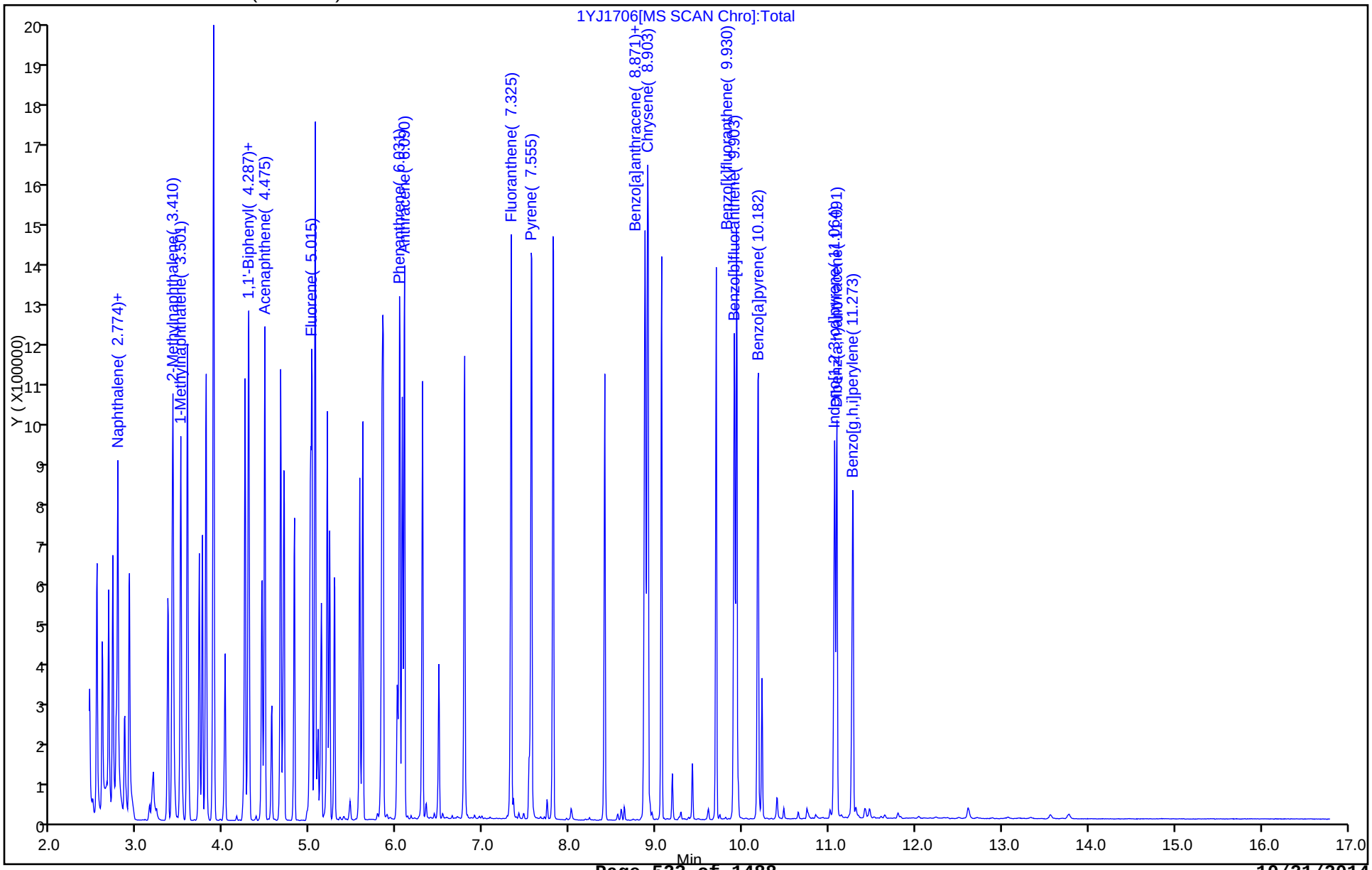
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

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.: 680-106200-3
SDG No.: 680-106200-03
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:

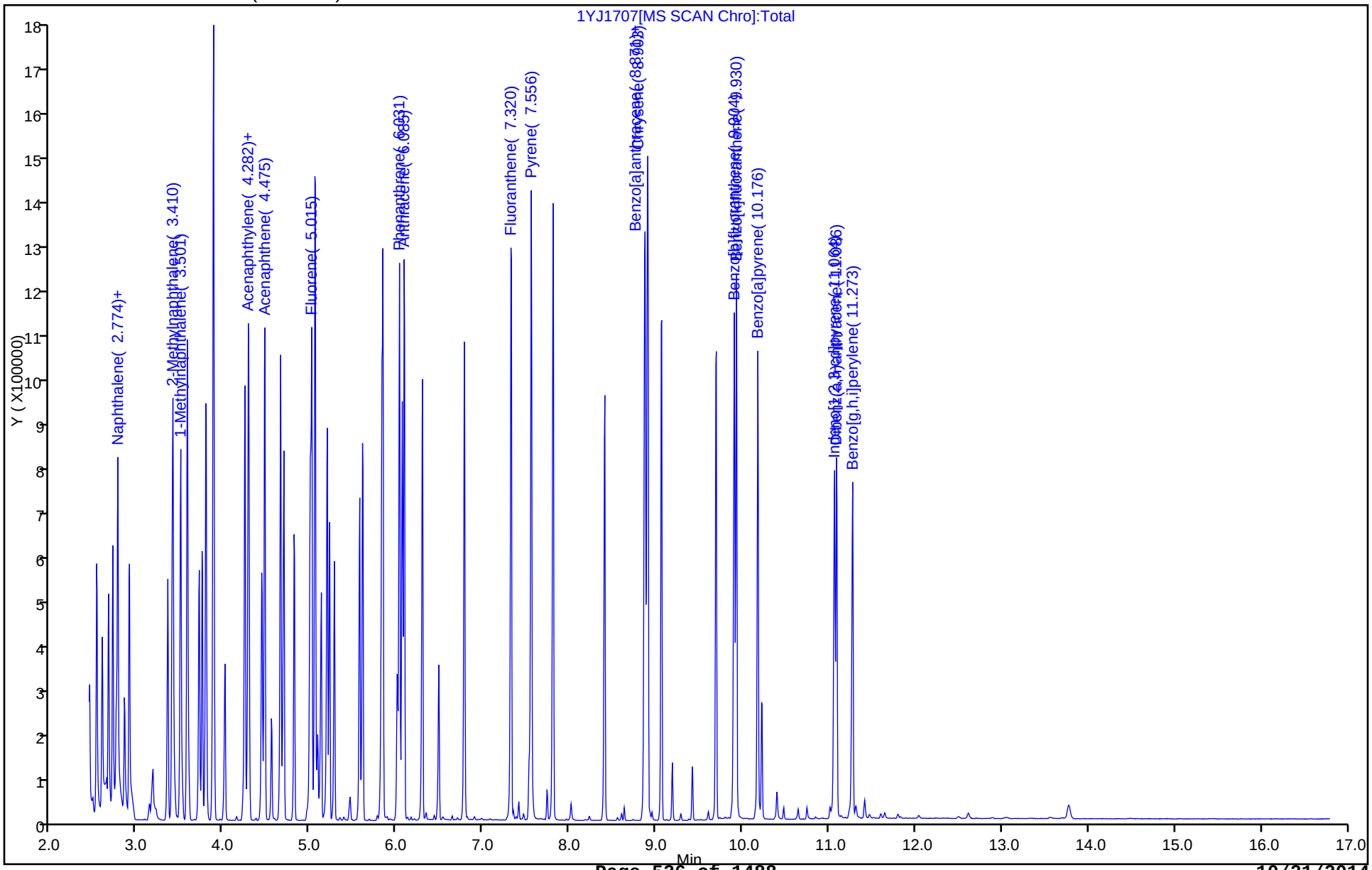
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0965D-CS6 MS | Lab Sample ID: 680-106200-31 MS

Matrix: Solid | Lab File ID: 1YJ1708.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 15:30

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

Sample wt/vol: 30.03(g) | Date Analyzed: 10/17/2014 12:12

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

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

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

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	195		75	37
208-96-8	Acenaphthylene	179		75	37
120-12-7	Anthracene	228		75	37
56-55-3	Benzo[a]anthracene	470		75	37
50-32-8	Benzo[a]pyrene	349		75	13
205-99-2	Benzo[b]fluoranthene	563		75	37
191-24-2	Benzo[g,h,i]perylene	262		75	37
207-08-9	Benzo[k]fluoranthene	303		75	22
218-01-9	Chrysene	594		75	37
53-70-3	Dibenz(a,h)anthracene	190		75	37
206-44-0	Fluoranthene	761		75	37
86-73-7	Fluorene	194		75	37
193-39-5	Indeno[1,2,3-cd]pyrene	191		75	37
90-12-0	1-Methylnaphthalene	400		75	34
91-57-6	2-Methylnaphthalene	358		75	37
91-20-3	Naphthalene	313		75	37
85-01-8	Phenanthrene	705		75	27
129-00-0	Pyrene	721		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\1YJ1708.D
Lims ID: 680-106200-A-31-B MS
Client ID: CV0965D-CS6
Sample Type: MS
Inject. Date: 17-Oct-2014 12:12:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-31-B MS 1:10
Misc. Info.: 680-0013845-008
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 13:53:02

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	2.758	2.753	0.005	98	135356	0.2000	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	92	77035	0.2000	2.00	
* 3 Phenanthrene-d10	188	6.004	6.005	0.000	98	135576	0.2000	2.00	
* 4 Chrysene-d12	240	8.877	8.877	0.000	99	122940	0.2000	2.00	
* 5 Perylene-d12	264	10.225	10.225	0.000	99	96314	0.2000	2.00	
7 Naphthalene	128	2.774	2.774	0.000	99	62334	1.00	0.8443	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	87	47209	1.00	0.9643	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	92	49022	1.00	1.08	
13 Dibenzofuran	168	4.464	4.225	0.239	88	5143	NC	NC	
10 1,1'-Biphenyl	154	4.282	4.282	0.000	0	316	NC	NC	
11 Acenaphthylene	152	4.282	4.288	-0.006	98	36013	1.00	0.4824	
12 Acenaphthene	153	4.469	4.469	0.000	95	25191	1.00	0.5253	
14 Fluorene	166	5.010	5.015	-0.005	96	27709	1.00	0.5233	
15 Phenanthrene	178	6.026	6.031	-0.005	97	154278	1.00	1.90	
16 Anthracene	178	6.079	6.085	-0.006	99	49601	1.00	0.6147	
17 Fluoranthene	202	7.320	7.320	0.000	98	176598	1.00	2.05	
18 Pyrene	202	7.556	7.556	0.000	98	156167	1.00	1.94	
19 Benzo[a]anthracene	228	8.866	8.866	0.000	98	91194	1.00	1.27	
20 Chrysene	228	8.898	8.903	-0.005	99	108995	1.00	1.60	
21 Benzo[b]fluoranthene	252	9.904	9.904	0.000	99	96275	1.00	1.52	
22 Benzo[k]fluoranthene	252	9.925	9.930	-0.005	98	50170	1.00	0.8173	
23 Benzo[a]pyrene	252	10.176	10.176	0.000	98	49039	1.00	0.9412	
24 Indeno[1,2,3-cd]pyrene	276	11.059	11.070	-0.011	99	34853	1.00	0.5164	
25 Dibenz(a,h)anthracene	278	11.086	11.091	-0.005	98	23288	1.00	0.5113	
26 Benzo[g,h,i]perylene	276	11.268	11.273	-0.005	98	33633	1.00	0.7079	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

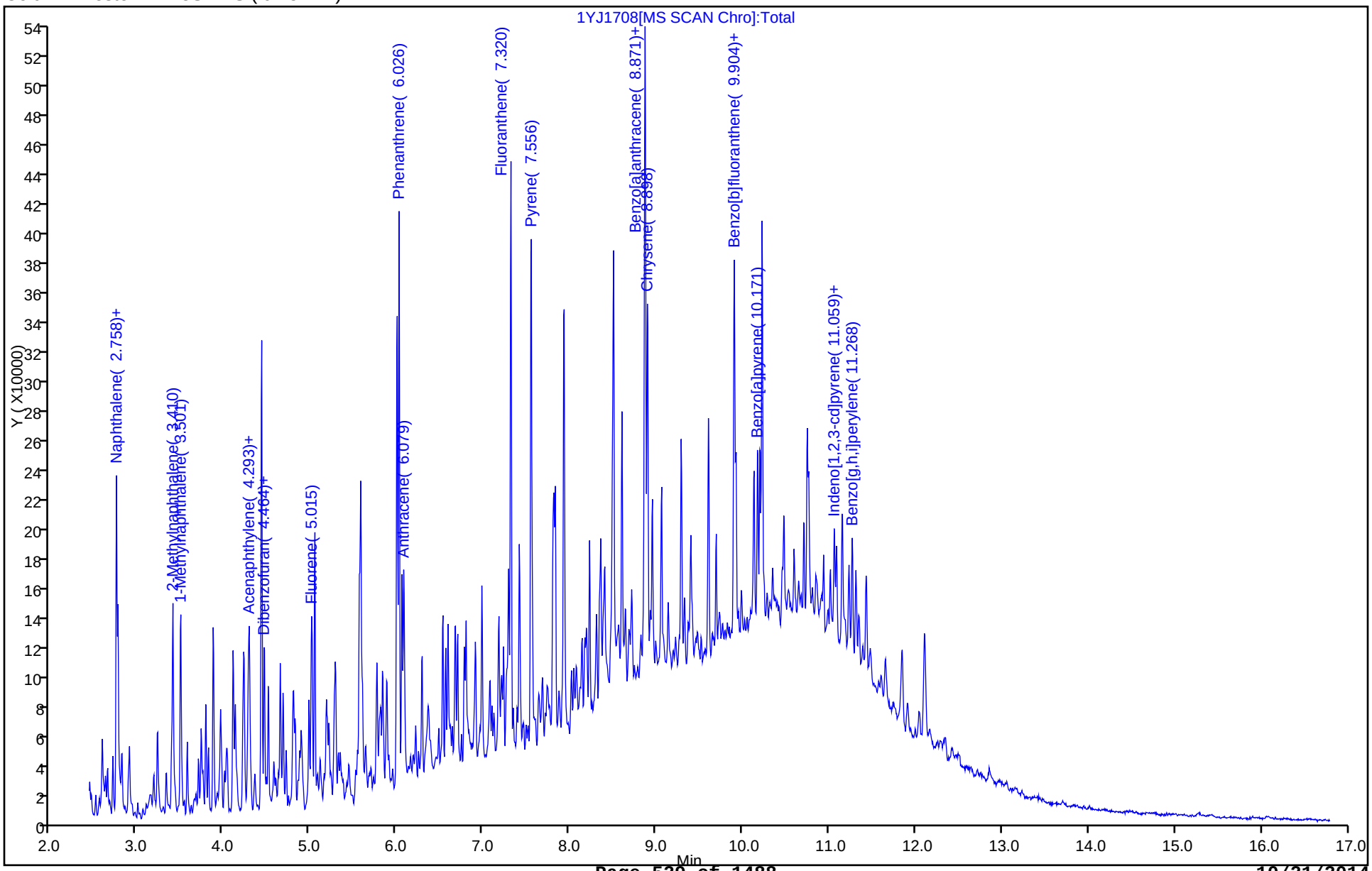
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 11:12:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1708.D				
Injection Date:	17-Oct-2014 12:12:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-31-B MS			Worklist Smp#:	8
Client ID:	CV0965D-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	8
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.: 680-106200-3
SDG No.: 680-106200-03
Client Sample ID:
Lab Sample ID: 680-106200-A-18-B MS
Matrix: Solid
Lab File ID: 1YJ1609.D
Analysis Method: 8270D_LL_PAH
Date Collected: 10/09/2014 13:40
Extract. Method: 3546
Date Extracted: 10/15/2014 10:01
Sample wt/vol: 30.03(g)
Date Analyzed: 10/16/2014 12:28
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 12.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 353862
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	322		76	37
208-96-8	Acenaphthylene	400		76	37
120-12-7	Anthracene	427		76	37
56-55-3	Benzo[a]anthracene	1270		76	37
50-32-8	Benzo[a]pyrene	1330		76	14
205-99-2	Benzo[b]fluoranthene	1740		76	37
191-24-2	Benzo[g,h,i]perylene	928		76	37
207-08-9	Benzo[k]fluoranthene	991		76	23
218-01-9	Chrysene	1390		76	37
53-70-3	Dibenz(a,h)anthracene	405		76	37
206-44-0	Fluoranthene	2010		76	37
86-73-7	Fluorene	316		76	37
193-39-5	Indeno[1,2,3-cd]pyrene	816		76	37
90-12-0	1-Methylnaphthalene	393		76	35
91-57-6	2-Methylnaphthalene	404		76	37
91-20-3	Naphthalene	370		76	37
85-01-8	Phenanthrene	1030		76	27
129-00-0	Pyrene	1990		76	37

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1609.D
Lims ID: 680-106200-A-18-B MS
Client ID: CV0971WW-CS6
Sample Type: MS
Inject. Date: 16-Oct-2014 12:28:30 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-18-B MS 1:10
Misc. Info.: 680-0013814-009
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141016-13814.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 17-Oct-2014 14:22:05 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: RT Order 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: XAWRK031

First Level Reviewer: webbk Date: 16-Oct-2014 13:55:34

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	2.802	2.803	-0.001	98	127376	0.2000	2.00	
* 2 Acenaphthene-d10	164	4.487	4.487	0.000	92	69451	0.2000	2.00	
* 3 Phenanthrene-d10	188	6.060	6.054	0.006	98	110841	0.2000	2.00	
* 4 Chrysene-d12	240	8.932	8.927	0.005	99	102024	0.2000	2.00	
* 5 Perylene-d12	264	10.280	10.269	0.011	98	87155	0.2000	2.00	
7 Naphthalene	128	2.818	2.819	-0.001	99	68016	1.00	0.9790	
8 2-Methylnaphthalene	142	3.460	3.455	0.005	85	49264	1.00	1.07	
9 1-Methylnaphthalene	142	3.551	3.546	0.005	86	44358	1.00	1.04	
13 Dibenzofuran	168	4.284	4.225	0.059	12	5150	NC	NC	
10 1,1'-Biphenyl	154	4.337	4.332	0.005	0	758	NC	NC	
11 Acenaphthylene	152	4.337	4.338	-0.001	97	71133	1.00	1.06	
12 Acenaphthene	153	4.519	4.519	0.000	88	36816	1.00	0.8515	
14 Fluorene	166	5.065	5.065	0.000	83	39887	1.00	0.8356	
15 Phenanthrene	178	6.081	6.081	0.000	96	180748	1.00	2.72	
16 Anthracene	178	6.140	6.135	0.005	90	74480	1.00	1.13	
17 Fluoranthene	202	7.381	7.376	0.005	97	372952	1.00	5.30	
18 Pyrene	202	7.616	7.606	0.010	97	349015	1.00	5.25	
19 Benzo[a]anthracene	228	8.921	8.916	0.005	98	201112	1.00	3.37	
20 Chrysene	228	8.959	8.953	0.006	97	205513	1.00	3.69	
21 Benzo[b]fluoranthene	252	9.959	9.948	0.011	98	264356	1.00	4.61	
22 Benzo[k]fluoranthene	252	9.980	9.975	0.005	99	144457	1.00	2.62	M
23 Benzo[a]pyrene	252	10.232	10.221	0.011	97	166304	1.00	3.53	
24 Indeno[1,2,3-cd]pyrene	276	11.120	11.109	0.011	99	120828	1.00	2.16	
25 Dibenz(a,h)anthracene	278	11.146	11.136	0.010	97	44169	1.00	1.07	
26 Benzo[g,h,i]perylene	276	11.339	11.323	0.016	90	105727	1.00	2.45	

QC Flag Legend

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

Reagents:

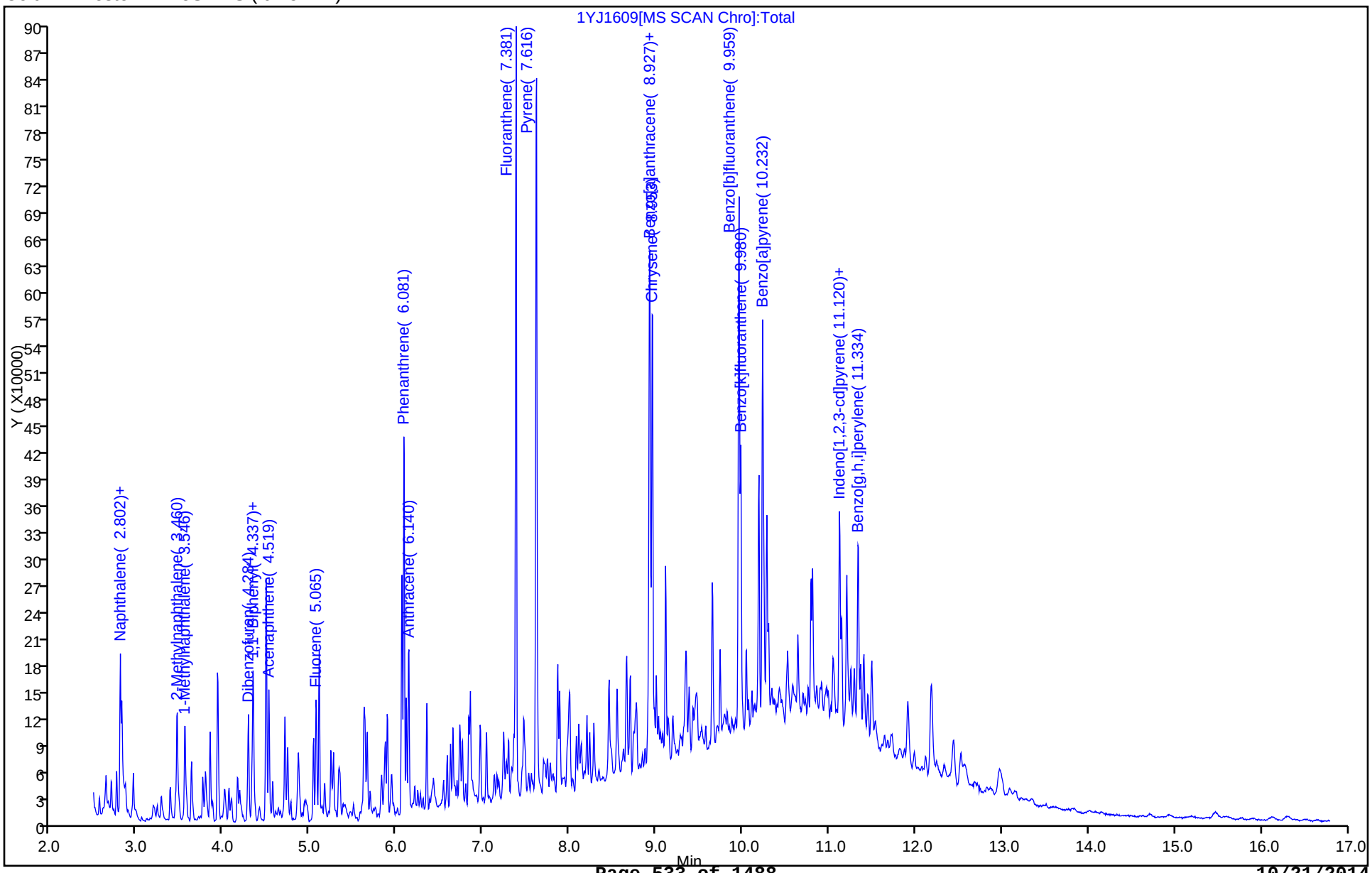
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 17-Oct-2014 14:28:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1609.D				
Injection Date:	16-Oct-2014 12:28:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-18-B MS			Worklist Smp#:	9
Client ID:	CV0971WW-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	8
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



Manual Integration/User Assign Peak Report

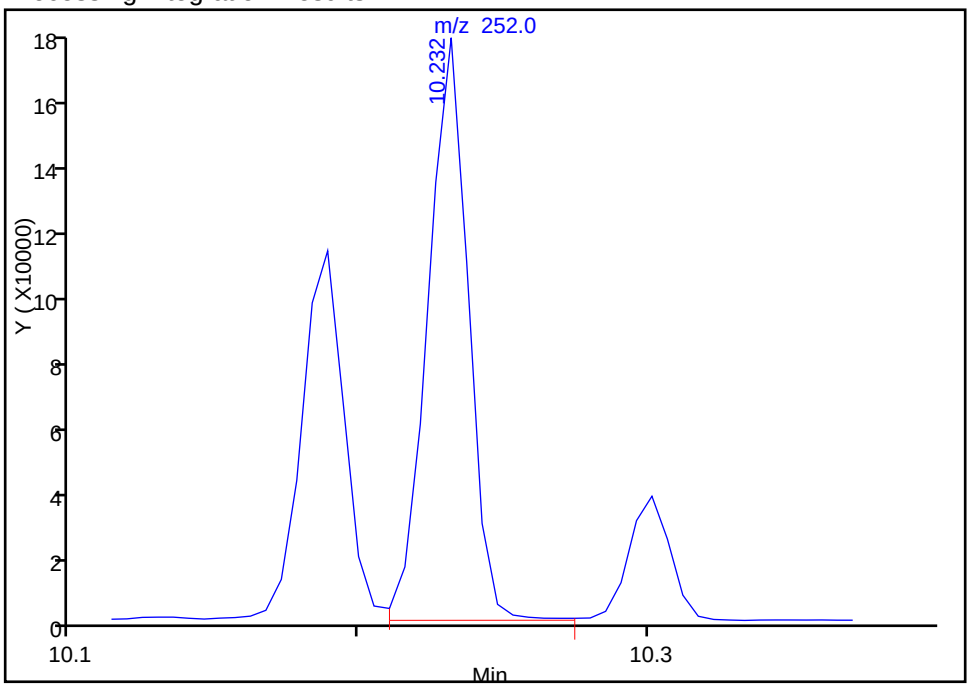
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1609.D				
Injection Date:	16-Oct-2014 12:28:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-18-B MS				
Client ID:	CV0971WW-CS6				
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	9
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

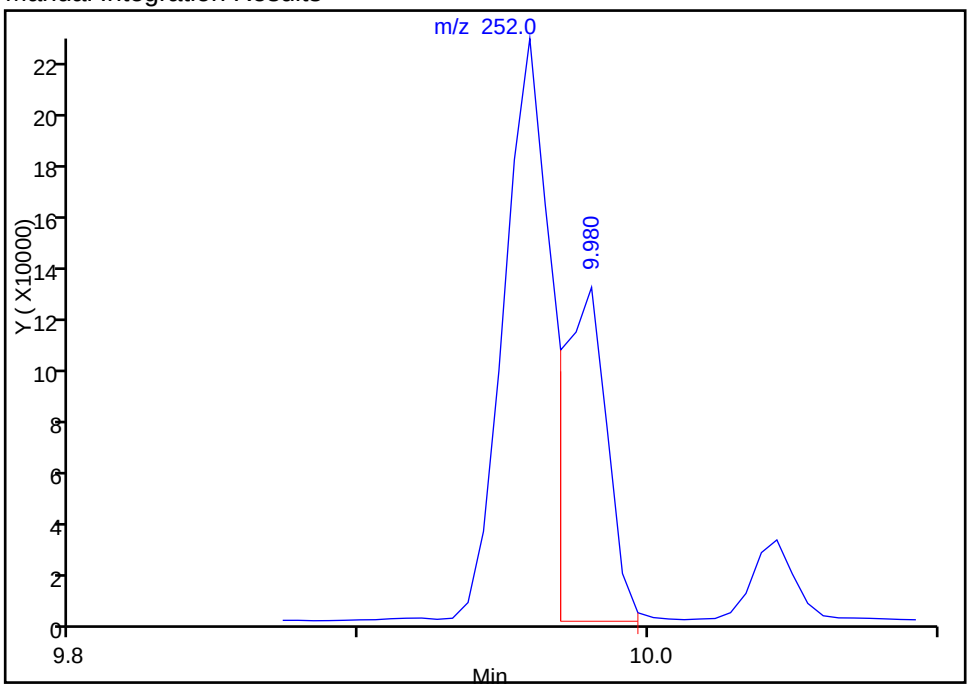
Processing Integration Results

RT: 10.23
Response: 166745
Amount: 3.030372



Manual Integration Results

RT: 9.98
Response: 144457
Amount: 2.620703



Reviewer: webbk, 16-Oct-2014 13:55:34
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG No.: 680-106200-03
Client Sample ID:
Lab Sample ID: 680-106200-A-51-D 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:

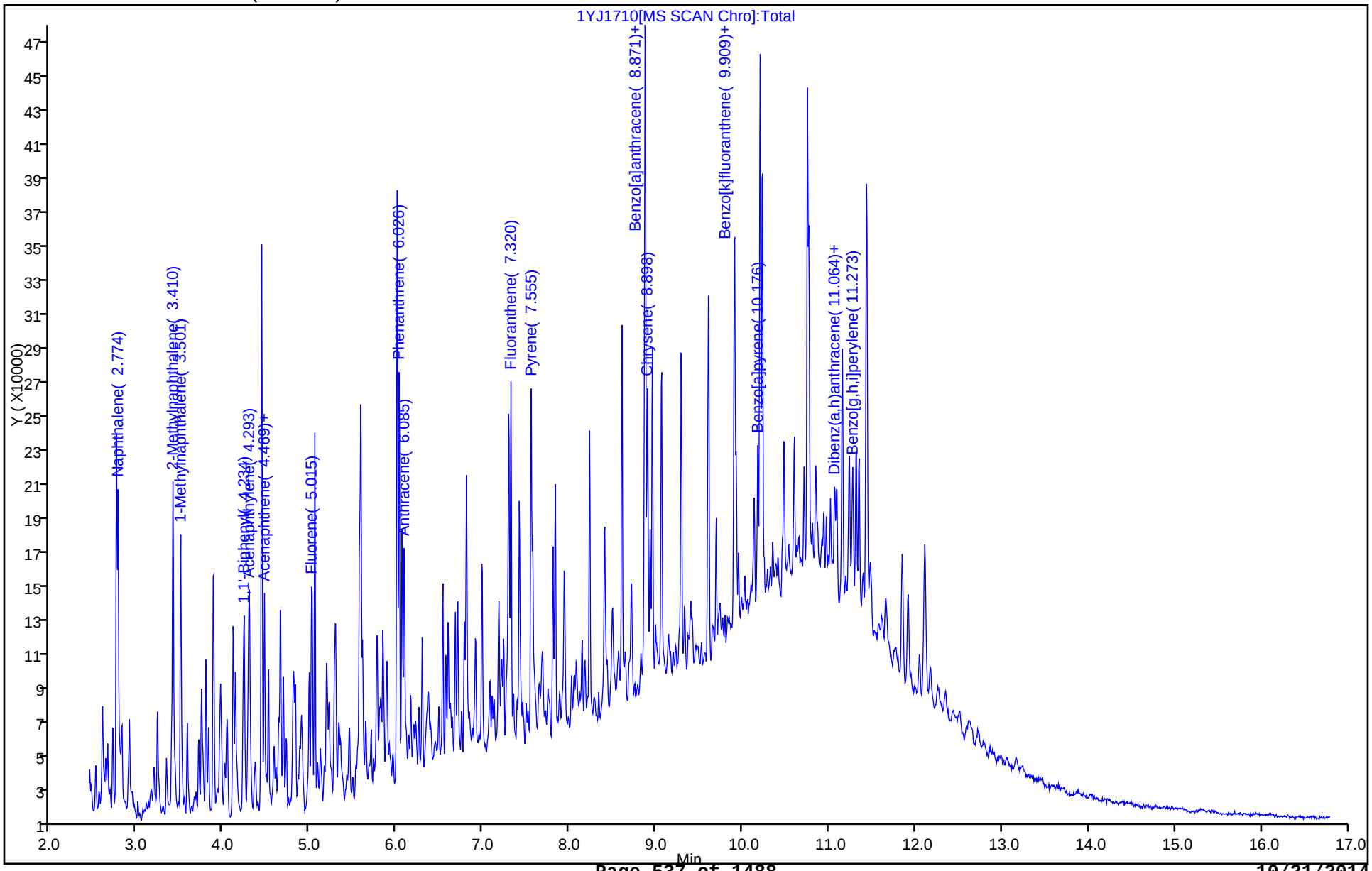
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: CV0965D-CS6 MSD | Lab Sample ID: 680-106200-31 MSD

Matrix: Solid | Lab File ID: 1YJ1709.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/06/2014 15:30

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

Sample wt/vol: 30.03(g) | Date Analyzed: 10/17/2014 12:34

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

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

% Moisture: 10.0 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	212		74	37
208-96-8	Acenaphthylene	208		74	37
120-12-7	Anthracene	228		74	37
56-55-3	Benzo[a]anthracene	426		74	37
50-32-8	Benzo[a]pyrene	348		74	13
205-99-2	Benzo[b]fluoranthene	518		74	37
191-24-2	Benzo[g,h,i]perylene	272		74	37
207-08-9	Benzo[k]fluoranthene	319		74	22
218-01-9	Chrysene	576		74	37
53-70-3	Dibenz(a,h)anthracene	207		74	37
206-44-0	Fluoranthene	554		74	37
86-73-7	Fluorene	203		74	37
193-39-5	Indeno[1,2,3-cd]pyrene	216		74	37
90-12-0	1-Methylnaphthalene	440		74	34
91-57-6	2-Methylnaphthalene	394		74	37
91-20-3	Naphthalene	301		74	37
85-01-8	Phenanthrene	552		74	27
129-00-0	Pyrene	579		74	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\1YJ1709.D
Lims ID: 680-106200-A-31-C MSD
Client ID: CV0965D-CS6
Sample Type: MSD
Inject. Date: 17-Oct-2014 12:34:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-31-C MSD 1:10
Misc. Info.: 680-0013845-009
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 13:54:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.758	2.753	0.005	98	143418	0.2000	2.00	
* 2 Acenaphthene-d10	164	4.437	4.437	0.000	92	83241	0.2000	2.00	
* 3 Phenanthrene-d10	188	6.004	6.005	0.000	98	136228	0.2000	2.00	
* 4 Chrysene-d12	240	8.877	8.877	0.000	99	120037	0.2000	2.00	
* 5 Perylene-d12	264	10.224	10.225	-0.001	99	93985	0.2000	2.00	
7 Naphthalene	128	2.774	2.774	0.000	99	63641	1.00	0.8135	
8 2-Methylnaphthalene	142	3.410	3.410	0.000	86	55206	1.00	1.06	
9 1-Methylnaphthalene	142	3.501	3.501	0.000	92	57169	1.00	1.19	
13 Dibenzofuran	168	4.464	4.225	0.239	89	5580	NC	NC	
10 1,1'-Biphenyl	154	4.287	4.282	0.005	0	482	NC	NC	
11 Acenaphthylene	152	4.282	4.288	-0.006	98	45306	1.00	0.5617	
12 Acenaphthene	153	4.469	4.469	0.000	95	29712	1.00	0.5733	
14 Fluorene	166	5.009	5.015	-0.006	95	31344	1.00	0.5479	
15 Phenanthrene	178	6.026	6.031	-0.005	96	121688	1.00	1.49	
16 Anthracene	178	6.079	6.085	-0.006	99	49996	1.00	0.6166	
17 Fluoranthene	202	7.320	7.320	0.000	98	129446	1.00	1.50	
18 Pyrene	202	7.555	7.556	-0.001	98	122784	1.00	1.56	
19 Benzo[a]anthracene	228	8.866	8.866	0.000	98	80751	1.00	1.15	
20 Chrysene	228	8.898	8.903	-0.005	99	103400	1.00	1.56	
21 Benzo[b]fluoranthene	252	9.903	9.904	-0.001	98	86534	1.00	1.40	
22 Benzo[k]fluoranthene	252	9.925	9.930	-0.005	99	51555	1.00	0.8608	
23 Benzo[a]pyrene	252	10.176	10.176	0.000	98	47793	1.00	0.9400	
24 Indeno[1,2,3-cd]pyrene	276	11.064	11.070	-0.006	99	38458	1.00	0.5836	
25 Dibenz(a,h)anthracene	278	11.086	11.091	-0.005	98	24882	1.00	0.5598	
26 Benzo[g,h,i]perylene	276	11.267	11.273	-0.006	98	34100	1.00	0.7355	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

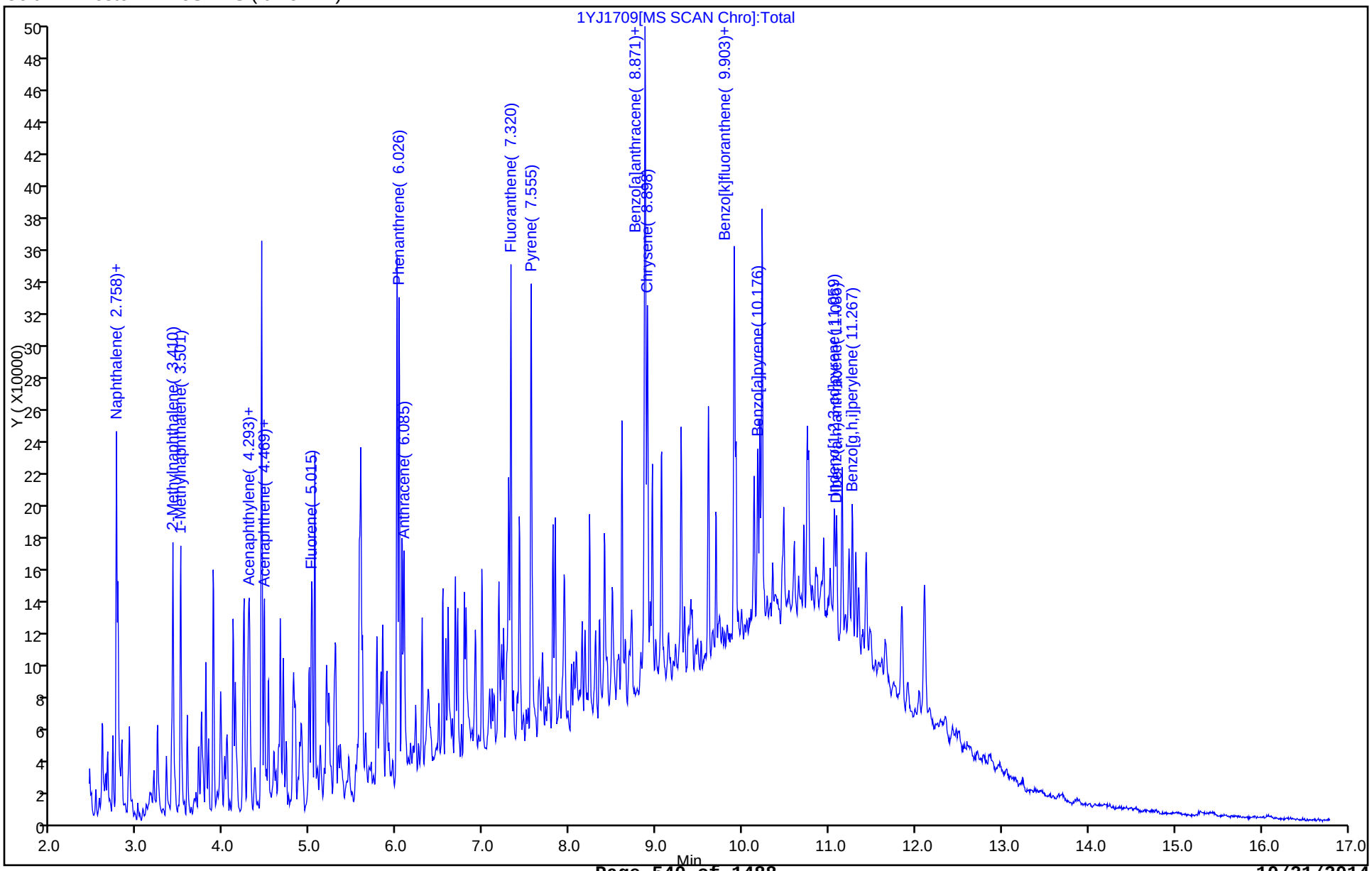
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 20-Oct-2014 09:21:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141017-13845.b\1YJ1709.D				
Injection Date:	17-Oct-2014 12:34:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-31-C MSD			Worklist Smp#:	9
Client ID:	CV0965D-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	9
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.: 680-106200-3

SDG No.: 680-106200-03

Client Sample ID: | Lab Sample ID: 680-106200-A-18-C MSD

Matrix: Solid | Lab File ID: 1YJ1610.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/09/2014 13:40

Extract. Method: 3546 | Date Extracted: 10/15/2014 10:01

Sample wt/vol: 30.04(g) | Date Analyzed: 10/16/2014 12:50

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

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

% Moisture: 12.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353862 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	405		76	37
208-96-8	Acenaphthylene	464		76	37
120-12-7	Anthracene	606		76	37
56-55-3	Benzo[a]anthracene	2110		76	37
50-32-8	Benzo[a]pyrene	2100		76	14
205-99-2	Benzo[b]fluoranthene	2790		76	37
191-24-2	Benzo[g,h,i]perylene	1590		76	37
207-08-9	Benzo[k]fluoranthene	1500		76	23
218-01-9	Chrysene	2500		76	37
53-70-3	Dibenz(a,h)anthracene	907		76	37
206-44-0	Fluoranthene	3670		76	37
86-73-7	Fluorene	417		76	37
193-39-5	Indeno[1,2,3-cd]pyrene	1410		76	37
90-12-0	1-Methylnaphthalene	438		76	35
91-57-6	2-Methylnaphthalene	452		76	37
91-20-3	Naphthalene	417		76	37
85-01-8	Phenanthrene	2430		76	27
129-00-0	Pyrene	3750		76	37

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1610.D
Lims ID: 680-106200-A-18-C MSD
Client ID: CV0971WW-CS6
Sample Type: MSD
Inject. Date: 16-Oct-2014 12:50:30 ALS Bottle#: 9 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 106200-A-18-C MSD 1:10
Misc. Info.: 680-0013814-010
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141016-13814.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 17-Oct-2014 08:59:05 Calib Date: 07-Oct-2014 15:41:30
Integrator: RTE ID Type: RT Order 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: XAWRK009

First Level Reviewer: webbk Date: 16-Oct-2014 13:56:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.802	2.803	-0.001	98	132450	0.2000	2.00	
* 2 Acenaphthene-d10	164	4.493	4.487	0.006	91	73883	0.2000	2.00	
* 3 Phenanthrene-d10	188	6.060	6.054	0.006	98	118512	0.2000	2.00	
* 4 Chrysene-d12	240	8.932	8.927	0.005	78	97281	0.2000	2.00	
* 5 Perylene-d12	264	10.285	10.269	0.016	98	87169	0.2000	2.00	
7 Naphthalene	128	2.824	2.819	0.005	99	79732	1.00	1.10	
8 2-Methylnaphthalene	142	3.460	3.455	0.005	86	57286	1.00	1.20	
9 1-Methylnaphthalene	142	3.551	3.546	0.005	88	51454	1.00	1.16	
13 Dibenzofuran	168	4.284	4.225	0.059	20	6535	NC	NC	
10 1,1'-Biphenyl	154	4.337	4.332	0.005	0	1166	NC	NC	
11 Acenaphthylene	152	4.337	4.338	-0.001	97	87853	1.00	1.23	
12 Acenaphthene	153	4.525	4.519	0.006	86	49311	1.00	1.07	
14 Fluorene	166	5.065	5.065	0.000	78	56062	1.00	1.10	
15 Phenanthrene	178	6.086	6.081	0.005	96	456264	1.00	6.43	
16 Anthracene	178	6.140	6.135	0.005	91	113008	1.00	1.60	
17 Fluoranthene	202	7.386	7.376	0.010	98	730586	1.00	9.72	
18 Pyrene	202	7.616	7.606	0.010	97	625607	1.00	9.92	
19 Benzo[a]anthracene	228	8.927	8.916	0.011	97	317632	1.00	5.58	
20 Chrysene	228	8.959	8.953	0.006	94	345625	1.00	6.62	
21 Benzo[b]fluoranthene	252	9.964	9.948	0.016	98	422644	1.00	7.37	
22 Benzo[k]fluoranthene	252	9.986	9.975	0.011	99	217253	1.00	3.96	M
23 Benzo[a]pyrene	252	10.237	10.221	0.016	97	262311	1.00	5.56	
24 Indeno[1,2,3-cd]pyrene	276	11.130	11.109	0.021	99	198581	1.00	3.72	
25 Dibenz(a,h)anthracene	278	11.152	11.136	0.016	93	99127	1.00	2.40	
26 Benzo[g,h,i]perylene	276	11.344	11.323	0.021	91	181779	1.00	4.21	

QC Flag Legend

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

Reagents:

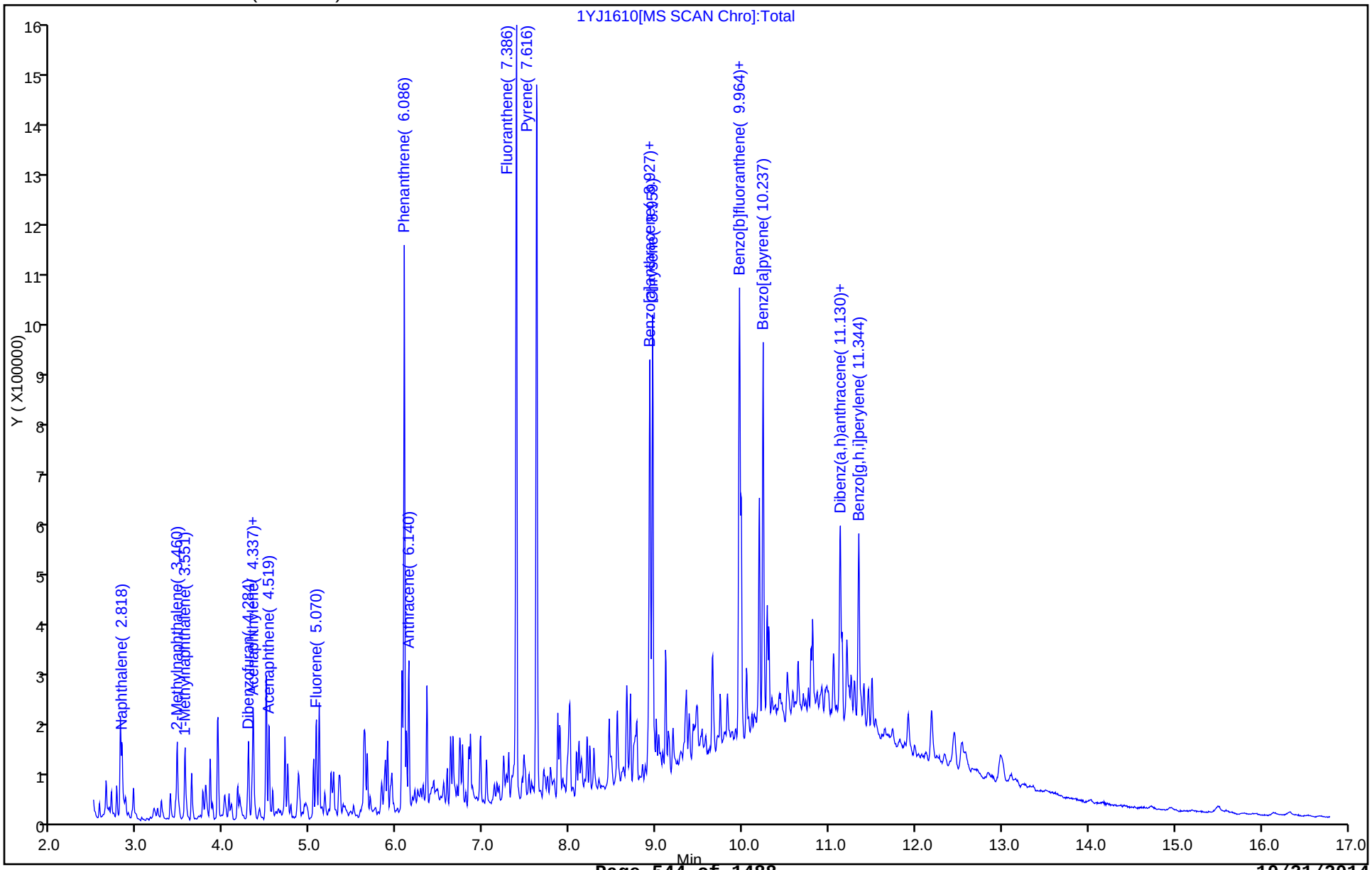
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 17-Oct-2014 08:59:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1610.D				
Injection Date:	16-Oct-2014 12:50:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-18-C MSD			Worklist Smp#:	10
Client ID:	CV0971WW-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	9
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



Manual Integration/User Assign Peak Report

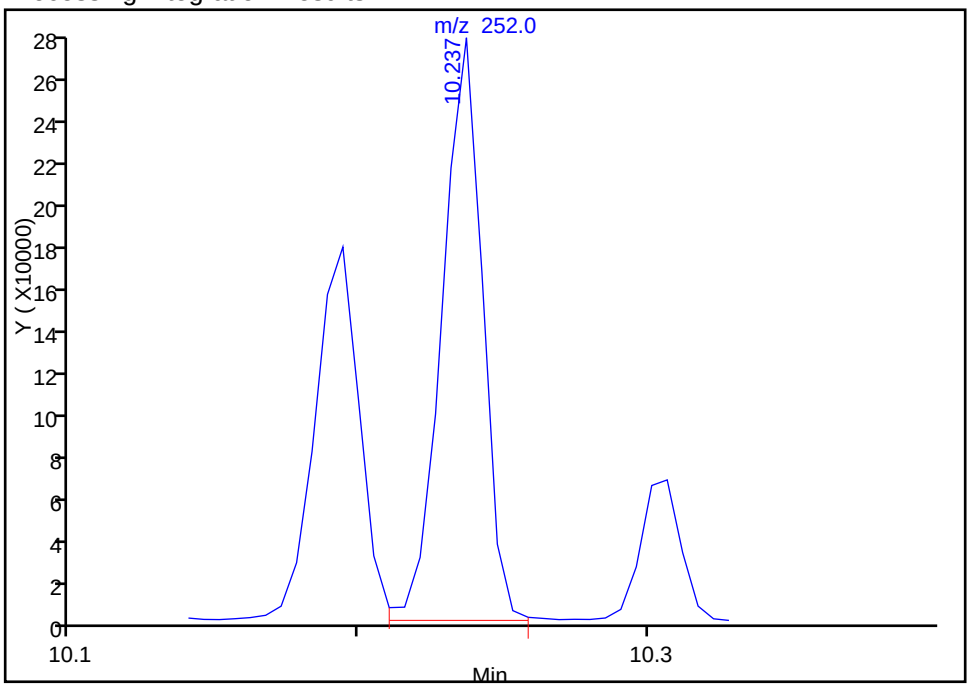
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1610.D				
Injection Date:	16-Oct-2014 12:50:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-18-C MSD				
Client ID:	CV0971WW-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	10
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

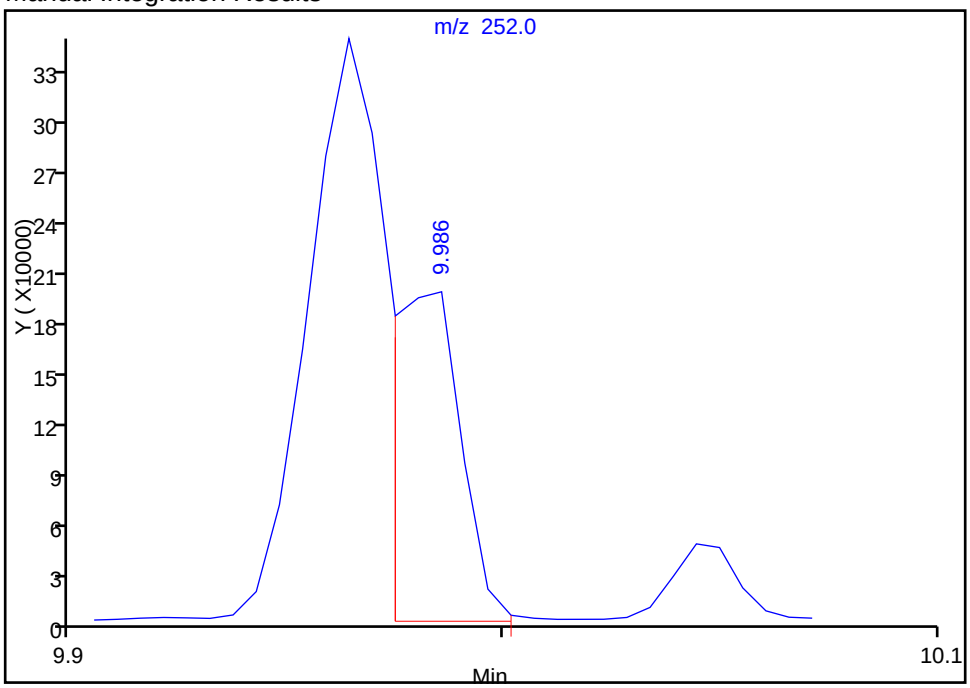
Processing Integration Results

RT: 10.24
Response: 263218
Amount: 4.819937



Manual Integration Results

RT: 9.99
Response: 217253
Amount: 3.963547



Reviewer: webbk, 16-Oct-2014 13:56:58
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG No.: 680-106200-03
Client Sample ID:
Lab Sample ID: 680-106200-A-51-E 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:

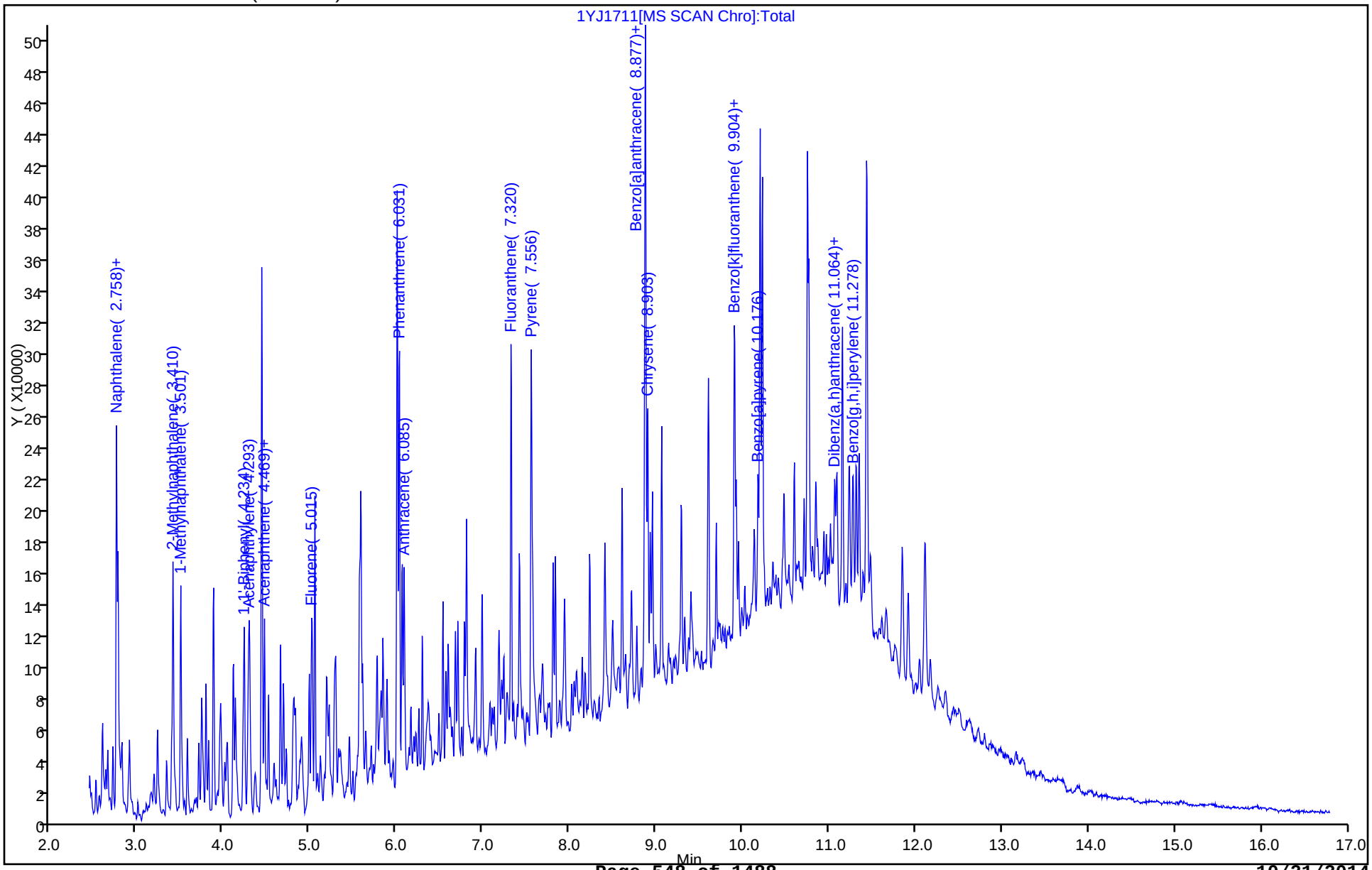
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

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.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: CMSK Start Date: 10/07/2014 14:52

Analysis Batch Number: 352395 End Date: 10/07/2014 18:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-352395/2		10/07/2014 14:52	1	1KJ0702.D	RXi- 5Sil MS 0.25(mm)
ICIS 680-352395/3		10/07/2014 15:08	1	1KJ0703.D	RXi- 5Sil MS 0.25(mm)
IC 680-352395/4		10/07/2014 15:31	1	1KJ0704.D	RXi- 5Sil MS 0.25(mm)
IC 680-352395/5		10/07/2014 15:54	1	1KJ0705.D	RXi- 5Sil MS 0.25(mm)
IC 680-352395/6		10/07/2014 16:17	1	1KJ0706.D	RXi- 5Sil MS 0.25(mm)
IC 680-352395/7		10/07/2014 16:41	1	1KJ0707.D	RXi- 5Sil MS 0.25(mm)
IC 680-352395/8		10/07/2014 17:04	1	1KJ0708.D	RXi- 5Sil MS 0.25(mm)
IC 680-352395/9		10/07/2014 17:27	1	1KJ0709.D	RXi- 5Sil MS 0.25(mm)
ICV 680-352395/10		10/07/2014 17:50	1	1KJ0710.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/07/2014 18:13	1		RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: CMSK Start Date: 10/17/2014 09:29

Analysis Batch Number: 354071 End Date: 10/17/2014 16:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-354071/1		10/17/2014 09:29	1	1KJ1701.D	RXi- 5Sil MS 0.25(mm)
CCVIS 680-354071/2		10/17/2014 09:49	1	1KJ1702.D	RXi- 5Sil MS 0.25(mm)
RL 680-354071/3		10/17/2014 10:18	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 10:41	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 11:05	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 11:27	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 11:50	1		RXi- 5Sil MS 0.25(mm)
680-106200-39	CV0739A-CS24	10/17/2014 12:13	1	1KJ1708.D	RXi- 5Sil MS 0.25(mm)
680-106200-40	CV0509T-CS6	10/17/2014 12:36	10	1KJ1709.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 12:59	10		RXi- 5Sil MS 0.25(mm)
680-106200-36	CV0739A-CS6	10/17/2014 14:31	20	1KJ1711.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 14:54	20		RXi- 5Sil MS 0.25(mm)
680-106200-38	CV0739A-CS18	10/17/2014 15:17	10	1KJ1713.D	RXi- 5Sil MS 0.25(mm)
680-106200-41	CV0509T-CS12	10/17/2014 15:40	10	1KJ1714.D	RXi- 5Sil MS 0.25(mm)
680-106200-37	CV0739A-CS12	10/17/2014 16:03	50	1KJ1715.D	RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: CMSY Start Date: 10/16/2014 09:11

Analysis Batch Number: 353862 End Date: 10/16/2014 20:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-353862/1		10/16/2014 09:11	1	1YJ1601.D	RXi- 5Sil MS 0.25(mm)
CCVIS 680-353862/2		10/16/2014 09:29	1	1YJ1602.D	RXi- 5Sil MS 0.25(mm)
RL 680-353862/3		10/16/2014 10:02	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 10:24	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 10:46	50		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 11:09	1		RXi- 5Sil MS 0.25(mm)
MB 680-353477/21-A		10/16/2014 11:43	1	1YJ1607.D	RXi- 5Sil MS 0.25(mm)
LCS 680-353477/22-A		10/16/2014 12:05	1	1YJ1608.D	RXi- 5Sil MS 0.25(mm)
680-106200-A-18-B MS		10/16/2014 12:28	10	1YJ1609.D	RXi- 5Sil MS 0.25(mm)
680-106200-A-18-C MSD		10/16/2014 12:50	10	1YJ1610.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 13:12	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 13:34	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 13:56	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 14:19	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 17:00	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 17:22	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 17:44	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 18:06	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 18:28	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 18:51	1		RXi- 5Sil MS 0.25(mm)
680-106200-32	CV0965D-CSD6	10/16/2014 19:13	10	1YJ1621.D	RXi- 5Sil MS 0.25(mm)
680-106200-33	CV0965D-CS12	10/16/2014 19:35	10	1YJ1622.D	RXi- 5Sil MS 0.25(mm)
680-106200-34	CV0965D-CS18	10/16/2014 19:57	1	1YJ1623.D	RXi- 5Sil MS 0.25(mm)
680-106200-35	CV0965D-CS24	10/16/2014 20:19	1	1YJ1624.D	RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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)
680-106200-31 MS	CV0965D-CS6 MS	10/17/2014 12:12	10	1YJ1708.D	RXi- 5Sil MS 0.25(mm)
680-106200-31 MSD	CV0965D-CS6 MSD	10/17/2014 12:34	10	1YJ1709.D	RXi- 5Sil MS 0.25(mm)
680-106200-A-51-D MS		10/17/2014 12:57	10	1YJ1710.D	RXi- 5Sil MS 0.25(mm)
680-106200-A-51-E MSD		10/17/2014 13:19	10	1YJ1711.D	RXi- 5Sil MS 0.25(mm)
680-106200-31	CV0965D-CS6	10/17/2014 13:41	10	1YJ1712.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 14:03	10		RXi- 5Sil MS 0.25(mm)
680-106200-42	CV0509T-CS18	10/17/2014 14:25	10	1YJ1714.D	RXi- 5Sil MS 0.25(mm)
680-106200-43	CV0613B-CS6	10/17/2014 14:48	10	1YJ1715.D	RXi- 5Sil MS 0.25(mm)
680-106200-44	CV0509T-CS24	10/17/2014 15:10	1	1YJ1716.D	RXi- 5Sil MS 0.25(mm)
680-106200-45	CV0613B-CSD6	10/17/2014 15:32	10	1YJ1717.D	RXi- 5Sil MS 0.25(mm)
680-106200-46	CV0613B-CS12	10/17/2014 15:54	10	1YJ1718.D	RXi- 5Sil MS 0.25(mm)
680-106200-47	CV0613B-CS18	10/17/2014 16:16	1	1YJ1719.D	RXi- 5Sil MS 0.25(mm)
680-106200-48	CV0613B-CS24	10/17/2014 16:39	1	1YJ1720.D	RXi- 5Sil MS 0.25(mm)
680-106200-49	CV0753A-CS (0-4")	10/17/2014 17:01	10	1YJ1721.D	RXi- 5Sil MS 0.25(mm)
680-106200-50	CV0753A-CSD (0-4")	10/17/2014 17:23	10	1YJ1722.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 17:45	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 18:07	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 18:29	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 18:52	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 19:14	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 19:36	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 19:58	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/17/2014 20:20	10		RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Batch Number: 353477 Batch Start Date: 10/15/14 10:01 Batch Analyst: Vasquez, Juana M

Batch Method: 3546 Batch End Date: 10/15/14 10:31

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX8270SPKL1 00015	LLBNAwkSUR 00079	AnalysisComment	
680-106200-A-32	CV0965D-CSD6	3546, 8270D_LL_PAH	T	29.98 g	1 mL		1 mL		
680-106200-A-33	CV0965D-CS12	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-106200-A-34	CV0965D-CS18	3546, 8270D_LL_PAH	T	30.05 g	1 mL		1 mL		
680-106200-A-35	CV0965D-CS24	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-106200-A-36	CV0739A-CS6	3546, 8270D_LL_PAH	T	30.04 g	1 mL		1 mL		
680-106200-A-37	CV0739A-CS12	3546, 8270D_LL_PAH	T	29.99 g	1 mL		1 mL		
680-106200-A-38	CV0739A-CS18	3546, 8270D_LL_PAH	T	29.99 g	1 mL		1 mL		
680-106200-A-39	CV0739A-CS24	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-106200-A-40	CV0509T-CS6	3546, 8270D_LL_PAH	T	30.05 g	1 mL		1 mL		
680-106200-A-41	CV0509T-CS12	3546, 8270D_LL_PAH	T	29.99 g	1 mL		1 mL		
MB 680-353477/21		3546, 8270D_LL_PAH		30.06 g	1 mL		1 mL		
LCS 680-353477/22		3546, 8270D_LL_PAH		30.02 g	1 mL	100 uL	1 mL	8270LLSPK	
680-106200-A-18 MS		3546, 8270D_LL_PAH	T	30.03 g	1 mL	100 uL	1 mL	8270LLSPK	
680-106200-A-18 MSD		3546, 8270D_LL_PAH	T	30.04 g	1 mL	100 uL	1 mL	8270LLSPK	

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.: 680-106200-3

SDG No.: 680-106200-03

Batch Number: 353477 Batch Start Date: 10/15/14 10:01 Batch Analyst: Vasquez, Juana M

Batch Method: 3546 Batch End Date: 10/15/14 10:31

Batch Notes	
Balance ID	30
Batch Comment	8270_LL_PAH BOX LL204
Concentration End Time	1542
Concentration Start Time	1407
Person's name who did the concentration	JV
Exchange Solvent Lot #	3792207
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	1001
Microwave Stop Time	1031
Na2SO4 Lot Number	3796247
Ottawa Sand Lot #	3776812
Person's name who did the prep	JV
Person who performed Spike	JV
Person who witnessed spiking	JW

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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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-31	CV0965D-CS6	3546, 8270D_LL_PAH	T	30.05 g	1 mL		1 mL		
680-106200-A-42	CV0509T-CS18	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-106200-A-43	CV0613B-CS6	3546, 8270D_LL_PAH	T	30.04 g	1 mL		1 mL		
680-106200-A-44	CV0509T-CS24	3546, 8270D_LL_PAH	T	30.05 g	1 mL		1 mL		
680-106200-A-45	CV0613B-CSD6	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-106200-A-46	CV0613B-CS12	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-106200-A-47	CV0613B-CS18	3546, 8270D_LL_PAH	T	30.02 g	1 mL		1 mL		
680-106200-A-48	CV0613B-CS24	3546, 8270D_LL_PAH	T	30.02 g	1 mL		1 mL		
680-106200-A-49	CV0753A-CS (0-4")	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-106200-A-50	CV0753A-CSD (0-4")	3546, 8270D_LL_PAH	T	30.03 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	
680-106200-A-31 MS	CV0965D-CS6	3546, 8270D_LL_PAH	T	30.03 g	1 mL	100 uL	1 mL	8270LLSPK	
680-106200-A-31 MSD	CV0965D-CS6	3546, 8270D_LL_PAH	T	30.03 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		3546, 8270D_LL_PAH	T	30.03 g	1 mL	100 uL	1 mL	8270LLSPK	
680-106200-A-51 MSD		3546, 8270D_LL_PAH	T	30.05 g	1 mL	100 uL	1 mL	8270LLSPK	

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.: 680-106200-3

SDG No.: 680-106200-03

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: 680-106200-3

SDG No.: 680-106200-03

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV0965D-CS6	680-106200-31
CV0965D-CSD6	680-106200-32
CV0965D-CS12	680-106200-33
CV0965D-CS18	680-106200-34
CV0965D-CS24	680-106200-35
CV0739A-CS6	680-106200-36
CV0739A-CS12	680-106200-37
CV0739A-CS18	680-106200-38
CV0739A-CS24	680-106200-39
CV0509T-CS6	680-106200-40
CV0509T-CS12	680-106200-41
CV0509T-CS18	680-106200-42
CV0613B-CS6	680-106200-43
CV0509T-CS24	680-106200-44
CV0613B-CSD6	680-106200-45
CV0613B-CS12	680-106200-46
CV0613B-CS18	680-106200-47
CV0613B-CS24	680-106200-48
CV0753A-CS (0-4")	680-106200-49
CV0753A-CSD (0-4")	680-106200-50

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0965D-CS6
Lab Sample ID: 680-106200-31
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 15:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 79.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	24	12	mg/Kg			1	6010C
7440-38-2	Arsenic	34	2.4	0.71	mg/Kg			1	6010C
7439-89-6	Iron	30000	24	8.4	mg/Kg			1	6010C
7439-92-1	Lead	290	12	6.4	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0965D-CSD6
Lab Sample ID: 680-106200-32
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 15:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 90.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10000	19	9.3	mg/Kg			1	6010C
7440-38-2	Arsenic	28	1.9	0.55	mg/Kg			1	6010C
7439-89-6	Iron	25000	19	6.5	mg/Kg			1	6010C
7439-92-1	Lead	230	0.93	0.49	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0965D-CS12
Lab Sample ID: 680-106200-33
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 15:40
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 94.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10000	18	9.2	mg/Kg			1	6010C
7440-38-2	Arsenic	21	1.8	0.54	mg/Kg			1	6010C
7439-89-6	Iron	35000	18	6.4	mg/Kg			1	6010C
7439-92-1	Lead	120	9.2	4.9	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0965D-CS18
Lab Sample ID: 680-106200-34
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 15:55
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 91.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	14	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	39000	21	7.5	mg/Kg			1	6010C
7439-92-1	Lead	48	11	5.7	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0965D-CS24
Lab Sample ID: 680-106200-35
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 16:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 89.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16000	20	9.8	mg/Kg			1	6010C
7440-38-2	Arsenic	12	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	34000	20	6.9	mg/Kg			1	6010C
7439-92-1	Lead	34	0.98	0.52	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0739A-CS6
Lab Sample ID: 680-106200-36
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 13:50
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 91.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6300	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	20	2.2	0.64	mg/Kg			1	6010C
7439-89-6	Iron	43000	22	7.6	mg/Kg			1	6010C
7439-92-1	Lead	410	1.1	0.57	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0739A-CS12
Lab Sample ID: 680-106200-37
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 14:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 93.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5500	40	20	mg/Kg			1	6010C
7440-38-2	Arsenic	24	4.0	1.2	mg/Kg			1	6010C
7439-89-6	Iron	19000	40	14	mg/Kg		B	1	6010C
7439-92-1	Lead	110	2.0	1.1	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0739A-CS18
Lab Sample ID: 680-106200-38
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 14:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 86.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7300	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	40	2.0	0.60	mg/Kg			1	6010C
7439-89-6	Iron	27000	20	7.1	mg/Kg			1	6010C
7439-92-1	Lead	23	1.0	0.54	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0739A-CS24
Lab Sample ID: 680-106200-39
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/06/2014 14:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 82.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9100	23	11	mg/Kg			1	6010C
7440-38-2	Arsenic	130	2.3	0.67	mg/Kg			1	6010C
7439-89-6	Iron	44000	23	8.0	mg/Kg			1	6010C
7439-92-1	Lead	74	1.1	0.60	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509T-CS6
Lab Sample ID: 680-106200-40
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 09:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 90.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	21	10	mg/Kg			1	6010C
7440-38-2	Arsenic	19	2.1	0.61	mg/Kg			1	6010C
7439-89-6	Iron	45000	21	7.3	mg/Kg			1	6010C
7439-92-1	Lead	69	1.0	0.55	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509T-CS12
Lab Sample ID: 680-106200-41
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 09:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 90.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	20	9.8	mg/Kg			1	6010C
7440-38-2	Arsenic	20	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	50000	20	6.8	mg/Kg			1	6010C
7439-92-1	Lead	54	0.98	0.52	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509T-CS18
Lab Sample ID: 680-106200-42
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 09:40
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 89.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	19	9.7	mg/Kg			1	6010C
7440-38-2	Arsenic	19	1.9	0.57	mg/Kg			1	6010C
7439-89-6	Iron	49000	19	6.8	mg/Kg			1	6010C
7439-92-1	Lead	46	0.97	0.51	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613B-CS6
Lab Sample ID: 680-106200-43
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 14:50
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 91.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	20	9.8	mg/Kg			1	6010C
7440-38-2	Arsenic	31	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	38000	20	6.9	mg/Kg			1	6010C
7439-92-1	Lead	100	0.98	0.52	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0509T-CS24
Lab Sample ID: 680-106200-44
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 09:50
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 85.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	10	2.2	0.66	mg/Kg			1	6010C
7439-89-6	Iron	31000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	14	1.1	0.59	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613B-CSD6
Lab Sample ID: 680-106200-45
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 14:50
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 91.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	38	2.2	0.63	mg/Kg			1	6010C
7439-89-6	Iron	56000	22	7.5	mg/Kg			1	6010C
7439-92-1	Lead	120	11	5.7	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613B-CS12
Lab Sample ID: 680-106200-46
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 15:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 92.7

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	33	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	39000	21	7.5	mg/Kg			1	6010C
7439-92-1	Lead	67	1.1	0.57	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613B-CS18

Lab Sample ID: 680-106200-47

Lab Name: TestAmerica Savannah

Job No.: 680-106200-3

SDG ID.: 680-106200-03

Matrix: Solid

Date Sampled: 10/07/2014 15:10

Reporting Basis: DRY

Date Received: 10/11/2014 09:33

% Solids: 78.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	120	2.2	0.64	mg/Kg			1	6010C
7439-89-6	Iron	84000	22	7.5	mg/Kg			1	6010C
7439-92-1	Lead	44	1.1	0.57	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613B-CS24
Lab Sample ID: 680-106200-48
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 15:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 89.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16000	19	9.5	mg/Kg			1	6010C
7440-38-2	Arsenic	74	1.9	0.56	mg/Kg			1	6010C
7439-89-6	Iron	65000	19	6.7	mg/Kg			1	6010C
7439-92-1	Lead	41	9.5	5.1	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0753A-CS (0-4")
Lab Sample ID: 680-106200-49
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 16:10
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	11000	19	9.6	mg/Kg			1	6010C
7440-38-2	Arsenic	25	1.9	0.57	mg/Kg			1	6010C
7439-89-6	Iron	38000	19	6.7	mg/Kg			1	6010C
7439-92-1	Lead	370	0.96	0.51	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0753A-CSD (0-4")
Lab Sample ID: 680-106200-50
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG ID.: 680-106200-03
Matrix: Solid
Date Sampled: 10/07/2014 16:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 87.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	21	10	mg/Kg			1	6010C
7440-38-2	Arsenic	32	2.1	0.61	mg/Kg			1	6010C
7439-89-6	Iron	79000	21	7.2	mg/Kg			1	6010C
7439-92-1	Lead	360	1.0	0.54	mg/Kg			1	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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 680-353949/70 10/15/2014 14:44			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	956		1000	96	4710		5000	94	4790		5000	96
Arsenic	1010		1000	101	459		500	92	460		500	92
Iron	959		1000	96	4780		5000	96	4930		5000	99
Lead	977		1000	98	484		500	97	504		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.: 680-106200-3

SDG No.: 680-106200-03

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	CCV 680-353949/82 10/15/2014 15:35				CCV 680-353949/94 10/15/2014 16:38				CCV 680-353949/106 10/15/2014 17:29			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4810		5000	96	4820		5000	96	4820		5000	96
Arsenic	460		500	92	455		500	91	456		500	91
Iron	5060		5000	101	4870		5000	97	4880		5000	98
Lead	498		500	100	494		500	99	493		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.: 680-106200-3

SDG No.: 680-106200-03

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	CCV 680-353949/118 10/15/2014 18:23				CCV 680-353949/130 10/15/2014 19:14				CCV 680-353949/142 10/15/2014 20:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4840		5000	97	4820		5000	96	4830		5000	97
Arsenic	464		500	93	458		500	92	457		500	91
Iron	4900		5000	98	4880		5000	98	4910		5000	98
Lead	494		500	99	491		500	98	484		500	97

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	CCV 680-353949/154 10/15/2014 20:57				CCV 680-353949/195 10/16/2014 09:56				CCV 680-353949/207 10/16/2014 10:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4820		5000	96	4780		5000	96	4760		5000	95
Arsenic	458		500	92	458		500	92	449		500	90
Iron	4840		5000	97	4750		5000	95	4780		5000	96
Lead	480		500	96	478		500	96	483		500	97

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	CCV 680-353949/219 10/16/2014 11:39											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4790		5000	96								
Arsenic	459		500	92								
Iron	4860		5000	97								
Lead	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.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	ICV 680-354233/4 10/17/2014 16:13				CCV 680-354233/13 10/17/2014 16:56				CCV 680-354233/109 10/17/2014 23:46			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	1010		1000	101	4850		5000	97	4790		5000	96
Arsenic	1020		1000	102	460		500	92	458		500	92
Iron	1010		1000	101	4950		5000	99	4810		5000	96
Lead	1030		1000	103	505		500	101	496		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.: 680-106200-3

SDG No.: 680-106200-03

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	CCV 680-354233/121 10/18/2014 00:37				CCV 680-354233/133 10/18/2014 01:29				CCV 680-354233/145 10/18/2014 02:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4840		5000	97	4880		5000	98	4870		5000	97
Arsenic	459		500	92	465		500	93	460		500	92
Iron	4920		5000	98	4960		5000	99	4940		5000	99
Lead	501		500	100	507		500	101	507		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.: 680-106200-3

SDG No.: 680-106200-03

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	ICV 680-354509/4 10/20/2014 15:13				CCV 680-354509/12 10/20/2014 15:51				CCV 680-354509/24 10/20/2014 16:42			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Lead	1000		1000	100	506		500	101	503		500	101
Aluminum	982		1000	98	4870		5000	97	4830		5000	97
Arsenic	999		1000	100	485		500	97	481		500	96
Iron	989		1000	99	4950		5000	99	4910		5000	98

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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

Lab Sample ID: CRI 680-354233/7 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	208		104	70-130
Arsenic	20.0	19.6	J	98	70-130
Iron	50.0	200	U	99	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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Method: 6010C Instrument ID: ICPE

Lab Sample ID: CRI 680-354233/151 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	203		102	70-130
Arsenic	20.0	18.0	J	90	70-130
Iron	50.0	200	U	106	70-130
Lead	10.0	12.8		128	70-130

Lab Sample ID: CRI 680-354509/6 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	214		107	70-130
Arsenic	20.0	22.4		112	70-130
Iron	50.0	200	U	114	70-130
Lead	10.0	9.44	J	94	70-130

Lab Sample ID: CRI 680-354509/68 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00035

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	208		104	70-130
Arsenic	20.0	19.4	J	97	70-130
Iron	50.0	200	U	120	70-130
Lead	10.0	9.21	J	92	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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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 680-353949/71 10/15/2014 14:48		CCB 680-353949/83 10/15/2014 15:39	
		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.: 680-106200-3

SDG No.: 680-106200-03

Concentration Units: ug/L

Analyte	RL	CCB 680-353949/95 10/15/2014 16:42		CCB 680-353949/107 10/15/2014 17:34		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	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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Concentration Units: ug/L

Analyte	RL	ICBIS 680-354233/5 10/17/2014 16:19		CCB 680-354233/14 10/17/2014 17:00		CCB 680-354233/110 10/17/2014 23:50		CCB 680-354233/122 10/18/2014 00:42	
		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.: 680-106200-3

SDG No.: 680-106200-03

Concentration Units: ug/L

Analyte	RL	CCB 680-354233/134 10/18/2014 01:33		CCB 680-354233/146 10/18/2014 02:25					
		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.: 680-106200-3

SDG No.: 680-106200-03

Concentration Units: ug/L

Analyte	RL	ICBIS 680-354509/5 10/20/2014 15:17		CCB 680-354509/13 10/20/2014 15:55		CCB 680-354509/25 10/20/2014 16:47			
		Found	C	Found	C	Found	C	Found	C
Lead	10	10	U	10	U	10	U		
Aluminum	200	200	U	200	U	200	U		
Arsenic	20	20	U	20	U	20	U		
Iron	200	200	U	200	U	200	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Concentration Units: mg/Kg Lab Sample ID: MB 680-353346/1-A

Instrument Code: ICPE Batch No.: 353949

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	19	U		6010C
7440-38-2	Arsenic	1.9	U		6010C
7439-89-6	Iron	19	U		6010C
7439-92-1	Lead	0.96	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Concentration Units: mg/Kg Lab Sample ID: MB 680-353436/1-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	15.0	J		6010C
7439-92-1	Lead	0.98	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Concentration Units: mg/Kg Lab Sample ID: MB 680-353312/1-A

Instrument Code: ICPE Batch No.: 354233

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	19	U		6010C
7440-38-2	Arsenic	1.9	U		6010C
7439-89-6	Iron	19	U		6010C
7439-92-1	Lead	0.93	U		6010C

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Lab Sample ID: ICSA 680-354233/8 Instrument ID: ICPE

Lab File ID: E10172014FINAL.csv ICS Source: P_ICSA_wk_00038

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**530497**	**106**
Arsenic		**-1.89**	
Iron	**200000**	**188313**	**94**
Lead		**7.39**	
Antimony		*0.530*	
Barium		*-2.39*	
Beryllium		*-0.158*	
Boron		*-0.913*	
Cadmium		*-0.671*	
Calcium	*500000*	*498668*	*100*
Chromium		*0.438*	
Cobalt		*-0.777*	
Copper		*1.93*	
Magnesium	*500000*	*510002*	*102*
Manganese		*2.94*	
Molybdenum		*2.44*	
Nickel		*-0.970*	
Potassium		*4.06*	
Selenium		*2.43*	
Silver		*-0.0161*	
Sodium		*-82.1*	
Strontium		*6.92*	
Thallium		*-10.0*	
Tin		*-1.34*	
Titanium		*0.964*	
Vanadium		*-4.55*	
Zinc		*9.67*	

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.: 680-106200-3

SDG No.: 680-106200-03

Lab Sample ID: ICSAB 680-354233/9 Instrument ID: ICPE

Lab File ID: E10172014FINAL.csv ICS Source: P_ICSAB_wk_00053

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**551310**	**110**
Arsenic	**100**	**103**	**103**
Iron	**200000**	**193177**	**97**
Lead	**50.0**	**48.6**	**97**
Antimony	*600*	*653*	*109*
Barium	*500*	*525*	*105*
Beryllium	*500*	*491*	*98*
Boron		*3.45*	
Cadmium	*1000*	*981*	*98*
Calcium	*500000*	*475253*	*95*
Chromium	*500*	*491*	*98*
Cobalt	*500*	*477*	*95*
Copper	*500*	*573*	*115*
Magnesium	*500000*	*521072*	*104*
Manganese	*500*	*487*	*97*
Molybdenum	*1000*	*989*	*99*
Nickel	*1000*	*942*	*94*
Potassium		*2.31*	
Selenium	*50.0*	*52.4*	*105*
Silver	*200*	*222*	*111*
Sodium		*-122*	
Strontium		*7.78*	
Thallium	*100*	*84.1*	*84*
Tin	*1000*	*991*	*99*
Titanium		*0.276*	
Vanadium	*500*	*473*	*95*
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.: 680-106200-3

SDG No.: 680-106200-03

Lab Sample ID: ICSA 680-354509/7 Instrument ID: ICPE

Lab File ID: E10202014F.csv ICS Source: P_ICSA_wk_00038

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Lead		**6.17**	
Aluminum	*500000*	*527465*	*105*
Antimony		*1.45*	
Arsenic		*0.395*	
Barium		*-0.785*	
Beryllium		*-0.132*	
Boron		*2.27*	
Cadmium		*0.0047*	
Calcium	*500000*	*512809*	*103*
Chromium		*0.331*	
Cobalt		*-0.744*	
Copper		*1.64*	
Iron	*200000*	*186607*	*93*
Magnesium	*500000*	*505113*	*101*
Manganese		*3.86*	
Molybdenum		*1.72*	
Nickel		*0.0529*	
Potassium		*4.60*	
Selenium		*1.67*	
Silver		*0.179*	
Sodium		*-223*	
Strontium		*6.80*	
Thallium		*-6.87*	
Tin		*-2.58*	
Titanium		*1.01*	
Vanadium		*-4.63*	
Zinc		*9.13*	

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.: 680-106200-3

SDG No.: 680-106200-03

Lab Sample ID: ICSAB 680-354509/8 Instrument ID: ICPE

Lab File ID: E10202014F.csv ICS Source: P_ICSAB_wk_00053

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Lead	**50.0**	**48.8**	**98**
Aluminum	*500000*	*539307*	*108*
Antimony	*600*	*641*	*107*
Arsenic	*100*	*96.5*	*97*
Barium	*500*	*508*	*102*
Beryllium	*500*	*483*	*97*
Boron		*3.29*	
Cadmium	*1000*	*934*	*93*
Calcium	*500000*	*497436*	*99*
Chromium	*500*	*489*	*98*
Cobalt	*500*	*476*	*95*
Copper	*500*	*569*	*114*
Iron	*200000*	*189700*	*95*
Magnesium	*500000*	*513119*	*103*
Manganese	*500*	*511*	*102*
Molybdenum	*1000*	*979*	*98*
Nickel	*1000*	*923*	*92*
Potassium		*2.48*	
Selenium	*50.0*	*59.9*	*120*
Silver	*200*	*224*	*112*
Sodium		*-156*	
Strontium		*6.67*	
Thallium	*100*	*81.4*	*81*
Tin	*1000*	*975*	*97*
Titanium		*0.336*	
Vanadium	*500*	*482*	*96*
Zinc	*1000*	*922*	*92*

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: CV0965D-CS6 MS
Lab ID: 680-106200-31 MS
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG No.: 680-106200-03
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 89.8

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	11600		12000		525	-144	75-125	4	6010C
Arsenic	39.9		34		10.5	55	75-125	F1	6010C
Iron	30000		30000		525	-70	75-125	4	6010C
Lead	341		290		52.5	103	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.: 680-106200-3

SDG No.: 680-106200-03

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 SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-106200-A-51-A MS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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: 680-106200-A-1-A MS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Concentration Units: mg/Kg

% Solids: 91.1

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	15000		12000		544	568	75-125	4	6010C
Arsenic	36.5		28		10.9	83	75-125		6010C
Iron	48100		47000		544	202	75-125	4	6010C
Lead	280		220		54.4	104	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: 680-106194-B-2-B MS

Lab Name: TestAmerica Savannah

Job No.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 80.5

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	8440		6700		550	323	75-125	4	6010C
Arsenic	43.6		89		11.0	-416	75-125	4	6010C
Iron	179000		220000		550	-6852	75-125	4	6010C
Lead	801		840		55.0	-76	75-125	4	6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: CV0965D-CS6 MSD
Lab ID: 680-106200-31 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-106200-3
SDG No.: 680-106200-03
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 90.0

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	13300		529	191	75-125	14	20	4	6010C
Arsenic	33.2		10.6	-9	75-125	18	20	F1	6010C
Iron	25300		529	-967	75-125	17	20	4	6010C
Lead	279		52.9	-14	75-125	20	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.: 680-106200-3

SDG No.: 680-106200-03

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

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-106200-A-51-B MSD

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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: 680-106200-A-1-B MSD

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Concentration Units: mg/Kg

% Solids: 91.1

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	14000		544	395	75-125	6	20	4	6010C
Arsenic	41.9		10.9	131	75-125	14	20	F1	6010C
Iron	47300		544	56	75-125	2	20	4	6010C
Lead	336		54.4	206	75-125	18	20	4	6010C

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-106194-B-2-C MSD

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Concentration Units: mg/Kg

% Solids: 80.5

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	48.6		10.8	-377	75-125	11	20	4	6010C
Iron	204000		540	-2311	75-125	13	20	4	6010C

SDR = Sample Duplicate Result

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

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 640-49420-A-9-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-106200-B-51-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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: 680-106200-B-1-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	11900		12000		109	NC	80-120		6010C
Arsenic	37.2		28		10.9	88	80-120		6010C
Iron	47300		47000		1090	NC	80-120		6010C
Lead	335		220		109	101	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: 680-106200-B-18-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	14000		14000		101	NC	80-120		6010C
Arsenic	37.7		28		10.1	99	80-120		6010C
Iron	39200		39000		1010	NC	80-120		6010C
Lead	178		170		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: 680-106194-B-2-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	7400		6700		1080	67	80-120	W	6010C
Arsenic	203		89		108	105	80-120		6010C
Iron	213000		220000		10800	NC	80-120		6010C
Lead	897		840		108	50	80-120	W	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.: 680-106200-3

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 680-353436/2-A

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

Sample Matrix: Solid LCS Source: MS_LCS1_WK_00014

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	500	481		96	80	120		6010C
Arsenic	10.0	10.8		108	80	120		6010C
Iron	500	500		100	80	120		6010C
Lead	50.0	50.4		101	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 680-353346/2-A

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

Sample Matrix: Solid LCS Source: MS_LCS1_WK_00014

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	463	441		95	80	120		6010C
Arsenic	9.26	10.0		108	80	120		6010C
Iron	463	453		98	80	120		6010C
Lead	46.3	45.5		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.: 680-106200-3

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-353312/2-A

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

Sample Matrix: Solid LCS Source: MS_LCS1_WK_00014

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	495	481		97	80	120		6010C
Arsenic	9.90	9.59		97	80	120		6010C
Iron	495	490		99	80	120		6010C
Lead	49.5	49.8		101	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: 640-49420-A-9-A SD

SDG No: 680-106200-03

Lab Name: TestAmerica Savannah Job No: 680-106200-3

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

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

Lab ID: 680-106200-B-51-A SD

SDG No: 680-106200-03

Lab Name: TestAmerica Savannah Job No: 680-106200-3

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: 680-106200-B-1-A SD

SDG No: 680-106200-03

Lab Name: TestAmerica Savannah Job No: 680-106200-3

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	12000		12000		0.93		6010C
Arsenic	28		24.9		NC		6010C
Iron	47000		49800		6.0		6010C
Lead	220		214		NC		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: 680-106200-B-18-A SD

SDG No: 680-106200-03

Lab Name: TestAmerica Savannah Job No: 680-106200-3

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	14000		15200		9.0		6010C
Arsenic	28		32.3		NC		6010C
Iron	39000		43400		12	V	6010C
Lead	170		197		15	V	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: 680-106194-B-2-A SD

SDG No: 680-106200-03

Lab Name: TestAmerica Savannah Job No: 680-106200-3

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	6700		5630		16	V	6010C
Arsenic	89		91.6	J	NC		6010C
Iron	220000		188000		13	V	6010C
Lead	840		758		10		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: 680-106200-3

SDG Number: 680-106200-03

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: 680-106200-3

SDG Number: 680-106200-03

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: 680-106200-3

SDG No.: 680-106200-03

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: 680-106200-3

SDG No.: 680-106200-03

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: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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
680-106200-48	10/13/2014 09:05	353249	1.17		100
680-106200-49	10/13/2014 09:05	353249	1.19		100
680-106200-46	10/13/2014 09:05	353249	1.01		100
680-106200-50	10/13/2014 09:05	353249	1.11		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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-A-51-A MS	10/13/2014 09:39	353262	1.15		100
680-106200-A-51-B MSD	10/13/2014 09:39	353262	1.15		100
680-106200-45	10/13/2014 09:39	353262	1.02		100
680-106200-44	10/13/2014 09:39	353262	1.05		100
680-106200-47	10/13/2014 09:39	353262	1.18		100
680-106200-42	10/13/2014 09:39	353262	1.15		100
680-106200-43	10/13/2014 09:39	353262	1.11		100
680-106200-41	10/13/2014 09:39	353262	1.13		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-353312/1-A	10/13/2014 12:36	353312	1.08		100
LCS 680-353312/2-A	10/13/2014 12:36	353312	1.01		100
680-106200-A-1-A MS	10/13/2014 12:36	353312	1.01		100
680-106200-A-1-B MSD	10/13/2014 12:36	353312	1.01		100
680-106200-39	10/13/2014 12:36	353312	1.06		100
680-106200-38	10/13/2014 12:36	353312	1.13		100
680-106200-33	10/13/2014 12:36	353312	1.15		100
680-106200-35	10/13/2014 12:36	353312	1.14		100
680-106200-34	10/13/2014 12:36	353312	1.02		100
680-106200-36	10/13/2014 12:36	353312	1.01		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-353346/1-A	10/13/2014 14:24	353346	1.04		100
LCS 680-353346/2-A	10/13/2014 14:24	353346	1.08		100
680-106200-31	10/13/2014 14:24	353346	1.05		100
680-106200-31 MS	10/13/2014 14:24	353346	1.06		100
680-106200-31 MSD	10/13/2014 14:24	353346	1.05		100
680-106200-40	10/13/2014 14:24	353346	1.07		100
680-106200-32	10/13/2014 14:24	353346	1.19		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-353436/1-A	10/14/2014 10:32	353436	1.02		100
LCS 680-353436/2-A	10/14/2014 10:32	353436	1.00		100
680-106194-B-2-B MS	10/14/2014 10:32	353436	1.13		100
680-106194-B-2-C MSD	10/14/2014 10:32	353436	1.15		100
680-106200-37	10/14/2014 10:32	353436	0.54		100

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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																				
680-106200-48	1	T	05:31	X	X	X																	
680-106200-49	1	T	05:35	X	X	X	X																
CCV 680-353429/228	1		05:39	X	X	X	X																
CCB 680-353429/229	1		05:44	X	X	X	X																
ZZZZZZ			05:48																				
ZZZZZZ			05:52																				
ZZZZZZ			05:56																				
ZZZZZZ			06:01																				
680-106200-46	1	T	06:05	X	X	X	X																
680-106200-50	1	T	06:09	X	X	X	X																
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.: 680-106200-3

SDG No.: 680-106200-03

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																				
680-106200-48	10	T	12:34	X																			
ZZZZZZ			12:38																				
ZZZZZZ			12:42																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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	1		14:44	X	X	X	X																
CCB 680-353949/71	1		14:48	X	X	X	X																
MB 680-353436/1-A	1	T	14:52	X	X	X	X																
LCS 680-353436/2-A	1	T	14:57	X	X	X	X																
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	1		15:35	X	X	X	X																
CCB 680-353949/83	1		15:39	X	X	X	X																
ZZZZZZ			15:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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	1		16:38	X	X	X	X																
CCB 680-353949/95	1		16:42	X	X	X	X																
ZZZZZZ			16:47																				
ZZZZZZ			16:51																				
680-106200-37	1	T	16:55	X	X	X	X																
ZZZZZZ			17:00																				
MB 680-353346/1-A	1	T	17:04	X	X	X	X																
LCS 680-353346/2-A	1	T	17:08	X	X	X	X																
ZZZZZZ			17:12																				
680-106200-B-18-A SD	5	T	17:17	X	X	X	X																
680-106200-B-18-A PDS	1	T	17:21	X	X	X	X																
ZZZZZZ			17:25																				
CCV 680-353949/106	1		17:29	X	X	X	X																
CCB 680-353949/107	1		17:34	X	X	X	X																
ZZZZZZ			17:38																				
680-106200-31	1	T	17:42	X	X	X																	
680-106200-31 MS	1	T	17:47	X	X	X																	
680-106200-31 MSD	1	T	17:51	X	X	X																	
ZZZZZZ			17:57																				
ZZZZZZ			18:01																				
ZZZZZZ			18:06																				
680-106200-40	1	T	18:10	X	X	X	X																
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																				
680-106200-32	1	T	18:36	X	X	X	X																
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.: 680-106200-3

SDG No.: 680-106200-03

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																
ZZZZZZ			19:10																				
CCV 680-353949/130	1		19:14	X	X	X	X																
CCB 680-353949/131	1		19:18	X	X	X	X																
680-106200-B-51-A SD	5	T	19:23	X	X	X	X																
680-106200-B-51-A PDS	1	T	19:27	X	X	X	X																
680-106200-A-51-A MS	1	T	19:31	X	X	X	X																
680-106200-A-51-B MSD	1	T	19:35	X	X	X	X																
ZZZZZZ			19:40																				
ZZZZZZ			19:44																				
680-106200-45	1	T	19:48	X	X	X																	
680-106200-44	1	T	19:53	X	X	X	X																
ZZZZZZ			19:57																				
680-106200-47	1	T	20:01	X	X	X	X																
CCV 680-353949/142	1		20:06	X	X	X	X																
CCB 680-353949/143	1		20:10	X	X	X	X																
ZZZZZZ			20:14																				
ZZZZZZ			20:18																				
ZZZZZZ			20:23																				
680-106200-42	1	T	20:27	X	X	X	X																
ZZZZZZ			20:31																				
ZZZZZZ			20:36																				
680-106200-43	1	T	20:40	X	X	X	X																
680-106200-41	1	T	20:44	X	X	X	X																
ZZZZZZ			20:48																				
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.: 680-106200-3

SDG No.: 680-106200-03

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																				
680-106194-B-2-A SD	50	T	10:09	X	X	X	X																
680-106194-B-2-A PDS	10	T	10:13	X	X	X	X																
680-106194-B-2-B MS	10	T	10:17	X	X	X	X																
680-106194-B-2-C MSD	10	T	10:22		X	X																	
ZZZZZZ			10:26																				
680-106200-31	10	T	10:30				X																
680-106200-31 MS	10	T	10:35				X																
680-106200-31 MSD	10	T	10:39				X																
ZZZZZZ			10:43																				
CCV 680-353949/207	1		10:47	X	X	X	X																
CCB 680-353949/208	1		10:52	X	X	X	X																
680-106200-45	10	T	10:56				X																
ZZZZZZ			11:00																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: ICPE Method: 6010C

Start Date: 10/17/2014 16:00 End Date: 10/18/2014 02:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			16:00																				
ZZZZZZ			16:05																				
ZZZZZZ			16:09																				
ICV 680-354233/4	1		16:13	X	X	X	X																
ICBIS 680-354233/5	1		16:19	X	X	X	X																
ZZZZZZ			16:23																				
CRI 680-354233/7	1		16:27	X	X	X	X																
ICSA 680-354233/8	1		16:32	X	X	X	X																
ICSAB 680-354233/9	1		16:37	X	X	X	X																
ZZZZZZ			16:41																				
ZZZZZZ			16:45																				
ZZZZZZ			16:50																				
CCV 680-354233/13	1		16:56	X	X	X	X																
CCB 680-354233/14	1		17:00	X	X	X	X																
ZZZZZZ			17:04																				
ZZZZZZ			17:08																				
ZZZZZZ			17:13																				
ZZZZZZ			17:17																				
ZZZZZZ			17:21																				
ZZZZZZ			17:25																				
ZZZZZZ			17:30																				
ZZZZZZ			17:34																				
ZZZZZZ			17:38																				
ZZZZZZ			17:43																				
CCV 680-354233/25			17:47																				
CCB 680-354233/26			17:51																				
ZZZZZZ			17:55																				
ZZZZZZ			18:00																				
ZZZZZZ			18:04																				
ZZZZZZ			18:08																				
ZZZZZZ			18:12																				
ZZZZZZ			18:17																				
ZZZZZZ			18:21																				
ZZZZZZ			18:25																				
ZZZZZZ			18:29																				
ZZZZZZ			18:34																				
CCV 680-354233/37			18:38																				
CCB 680-354233/38			18:42																				
ZZZZZZ			18:47																				
ZZZZZZ			18:51																				
ZZZZZZ			18:55																				
ZZZZZZ			18:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: ICPE Method: 6010C

Start Date: 10/17/2014 16:00 End Date: 10/18/2014 02:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			19:04																				
ZZZZZZ			19:08																				
ZZZZZZ			19:12																				
ZZZZZZ			19:16																				
ZZZZZZ			19:21																				
ZZZZZZ			19:25																				
CCV 680-354233/49			19:29																				
CCB 680-354233/50			19:34																				
ZZZZZZ			19:38																				
ZZZZZZ			19:42																				
ZZZZZZ			19:46																				
ZZZZZZ			19:51																				
ZZZZZZ			19:55																				
ZZZZZZ			19:59																				
ZZZZZZ			20:03																				
ZZZZZZ			20:08																				
ZZZZZZ			20:12																				
ZZZZZZ			20:16																				
CCV 680-354233/61			20:21																				
CCB 680-354233/62			20:25																				
ZZZZZZ			20:29																				
ZZZZZZ			20:33																				
ZZZZZZ			20:38																				
ZZZZZZ			20:42																				
ZZZZZZ			20:46																				
ZZZZZZ			20:50																				
ZZZZZZ			20:55																				
ZZZZZZ			20:59																				
ZZZZZZ			21:03																				
ZZZZZZ			21:08																				
CCV 680-354233/73			21:12																				
CCB 680-354233/74			21:16																				
ZZZZZZ			21:20																				
ZZZZZZ			21:25																				
ZZZZZZ			21:29																				
ZZZZZZ			21:33																				
ZZZZZZ			21:37																				
ZZZZZZ			21:42																				
ZZZZZZ			21:46																				
ZZZZZZ			21:50																				
ZZZZZZ			21:55																				
ZZZZZZ			21:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: ICPE Method: 6010C

Start Date: 10/17/2014 16:00 End Date: 10/18/2014 02:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
CCV 680-354233/85			22:03																				
CCB 680-354233/86			22:07																				
ZZZZZZ			22:12																				
ZZZZZZ			22:16																				
ZZZZZZ			22:20																				
ZZZZZZ			22:24																				
ZZZZZZ			22:29																				
ZZZZZZ			22:33																				
ZZZZZZ			22:37																				
ZZZZZZ			22:42																				
ZZZZZZ			22:46																				
ZZZZZZ			22:50																				
CCV 680-354233/97			22:54																				
CCB 680-354233/98			22:59																				
ZZZZZZ			23:03																				
ZZZZZZ			23:07																				
ZZZZZZ			23:12																				
ZZZZZZ			23:16																				
ZZZZZZ			23:20																				
ZZZZZZ			23:24																				
ZZZZZZ			23:29																				
ZZZZZZ			23:33																				
ZZZZZZ			23:37																				
ZZZZZZ			23:42																				
CCV 680-354233/109	1		23:46	X	X	X	X																
CCB 680-354233/110	1		23:50	X	X	X	X																
ZZZZZZ			23:54																				
MB 680-353312/1-A	1	T	23:59	X	X	X	X																
LCS 680-353312/2-A	1	T	00:03	X	X	X	X																
ZZZZZZ			00:07																				
680-106200-B-1-A SD	5	T	00:12	X	X	X																	
680-106200-B-1-A PDS	1	T	00:16	X	X	X																	
680-106200-A-1-A MS	1	T	00:20	X	X	X																	
680-106200-A-1-B MSD	1	T	00:25	X	X	X																	
680-106200-39	1	T	00:29	X	X	X	X																
ZZZZZZ			00:33																				
CCV 680-354233/121	1		00:37	X	X	X	X																
CCB 680-354233/122	1		00:42	X	X	X	X																
ZZZZZZ			00:46																				
680-106200-38	1	T	00:50	X	X	X	X																
ZZZZZZ			00:55																				
ZZZZZZ			00:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: ICPE Method: 6010C

Start Date: 10/17/2014 16:00 End Date: 10/18/2014 02:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			01:03																				
ZZZZZZ			01:07																				
ZZZZZZ			01:12																				
ZZZZZZ			01:16																				
ZZZZZZ			01:20																				
ZZZZZZ			01:25																				
CCV 680-354233/133	1		01:29	X	X	X	X																
CCB 680-354233/134	1		01:33	X	X	X	X																
680-106200-33	1	T	01:37	X	X	X																	
ZZZZZZ			01:42																				
680-106200-35	1	T	01:46	X	X	X	X																
680-106200-34	1	T	01:50	X	X	X																	
ZZZZZZ			01:55																				
680-106200-36	1	T	01:59	X	X	X	X																
ZZZZZZ			02:03																				
ZZZZZZ			02:08																				
ZZZZZZ			02:12																				
ZZZZZZ			02:16																				
CCV 680-354233/145	1		02:20	X	X	X	X																
CCB 680-354233/146	1		02:25	X	X	X	X																
ZZZZZZ			02:29																				
ZZZZZZ			02:33																				
ZZZZZZ			02:38																				
ZZZZZZ			02:42																				
CRI 680-354233/151	1		02:46	X	X	X	X																
CCV 680-354233/152			02:51																				
CCB 680-354233/153			02:55																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: ICPE Method: 6010C

Start Date: 10/20/2014 15:00 End Date: 10/20/2014 20:03

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
ZZZZZZ			15:00																				
ZZZZZZ			15:05																				
ZZZZZZ			15:09																				
ICV 680-354509/4	1		15:13	X																			
ICBIS 680-354509/5	1		15:17	X																			
CRI 680-354509/6	1		15:22	X																			
ICSA 680-354509/7	1		15:30	X																			
ICSAB 680-354509/8	1		15:34	X																			
ZZZZZZ			15:38																				
ZZZZZZ			15:43																				
ZZZZZZ			15:47																				
CCV 680-354509/12	1		15:51	X																			
CCB 680-354509/13	1		15:55	X																			
ZZZZZZ			16:00																				
680-106200-B-1-A SD	50	T	16:04	X																			
680-106200-B-1-A PDS	10	T	16:08	X																			
680-106200-A-1-A MS	10	T	16:12	X																			
680-106200-A-1-B MSD	10	T	16:17	X																			
ZZZZZZ			16:21																				
680-106200-33	10	T	16:25	X																			
680-106200-34	10	T	16:30	X																			
ZZZZZZ			16:34																				
ZZZZZZ			16:38																				
CCV 680-354509/24	1		16:42	X																			
CCB 680-354509/25	1		16:47	X																			
ZZZZZZ			16:56																				
ZZZZZZ			17:00																				
ZZZZZZ			17:04																				
ZZZZZZ			17:08																				
ZZZZZZ			17:13																				
ZZZZZZ			17:17																				
ZZZZZZ			17:21																				
ZZZZZZ			17:25																				
ZZZZZZ			17:30																				
ZZZZZZ			17:34																				
CCV 680-354509/36			17:38																				
CCB 680-354509/37			17:42																				
ZZZZZZ			17:47																				
ZZZZZZ			17:51																				
ZZZZZZ			17:55																				
ZZZZZZ			17:59																				
ZZZZZZ			18:04																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Instrument ID: ICPE Method: 6010C

Start Date: 10/20/2014 15:00 End Date: 10/20/2014 20:03

Lab Sample ID	D/F	Type	Time	Analytes																			
				Pb																			
ZZZZZZ			18:08																				
ZZZZZZ			18:12																				
ZZZZZZ			18:17																				
ZZZZZZ			18:21																				
ZZZZZZ			18:25																				
CCV 680-354509/48			18:29																				
CCB 680-354509/49			18:34																				
ZZZZZZ			18:38																				
ZZZZZZ			18:42																				
ZZZZZZ			18:46																				
ZZZZZZ			18:51																				
ZZZZZZ			18:55																				
ZZZZZZ			18:59																				
ZZZZZZ			19:03																				
ZZZZZZ			19:08																				
ZZZZZZ			19:12																				
ZZZZZZ			19:16																				
CCV 680-354509/60			19:21																				
CCB 680-354509/61			19:25																				
ZZZZZZ			19:29																				
ZZZZZZ			19:33																				
ZZZZZZ			19:38																				
ZZZZZZ			19:42																				
ZZZZZZ			19:46																				
ZZZZZZ			19:50																				
CRI 680-354509/68	1		19:55	X																			
CCV 680-354509/69			19:59																				
CCB 680-354509/70			20:03																				

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	655.643

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

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

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	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

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	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

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

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

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	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

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

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

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

E10152014.wvq. All Data Report 10/16/2014, 1:56:04 PM

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

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

E10152014.wvq. All Data Report 10/16/2014, 1:56:04 PM

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

E10152014.wvq. All Data Report 10/16/2014, 1:56:04 PM

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

E10152014.wvq. All Data Report 10/16/2014, 1:56:04 PM

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

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

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

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

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

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

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

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

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

E10152014.wvq. All Data Report 10/16/2014, 1:56:04 PM

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

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

E10152014.wvq. All Data Report 10/16/2014, 1:56:04 PM

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

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

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	121.077

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	108932

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

E10152014.wvq. All Data Report 10/16/2014, 1:56:04 PM

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

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

E10152014.wvq. All Data Report 10/16/2014, 1:56:04 PM

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

E10152014.wvq. All Data Report 10/16/2014, 1:56:04 PM

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

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

E10152014.wvq. All Data Report 10/16/2014, 1:56:04 PM

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

Blank (Blk) **10/17/2014, 4:00:52 PM** **Rack S, Tube 1**

Label	Replicates Concentration		
Ag 328.068	-0.0540	-0.0441	0.0981
Al 308.215	-0.1220	-0.2315	0.3534
As 188.980	-0.5935	-1.7008	2.2943
B 249.678	-0.1429	-0.0784	0.2213
Ba 389.178	0.7024	-0.2896	-0.4128
Be 313.042	-0.0003	-0.0005	0.0008
Ca 370.602	0.6612	-0.6019	-0.0593
Cd 226.502	0.0841	-0.0193	-0.0648
Co 228.615	0.3212	-0.0855	-0.2357
Cr 267.716	-0.0599	-0.1185	0.1784
Cu 324.754	0.0258	-0.2937	0.2679
Fe 271.441	1.5786	2.4261	-4.0047
K 766.491	-0.1273	0.2699	-0.1426
Mg 279.078	0.0960	0.1678	-0.2637
Mn 257.610	0.0069	-0.0282	0.0213
Mo 202.032	0.0181	-0.3498	0.3317
Na 330.237	-105.200	68.5566	36.6438
Ni 231.604	-0.2150	-0.0413	0.2563
Pb 220.353	-0.1105	0.6302	-0.5197
Sb 206.834	-0.4268	-1.3378	1.7646
Se 196.026	-0.1600	1.0837	-0.9237
Sn 189.925	-1.0050	1.1509	-0.1460
Sr 216.596	-0.0552	0.0289	0.0263
Ti 334.941	-0.0199	0.0172	0.0027
Tl 190.794	-0.3521	0.0900	0.2621
V 292.401	-0.0015	-0.1382	0.1397
Zn 206.200	0.1296	0.0478	-0.1774

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	7.261	106.3	-6.8319
Al 308.215	0.0000	ppb	2.084	0.3	603.204
As 188.980	0.0000	ppb	1.388	26.6	-5.2253
B 249.678	0.0000	ppb	3.248	7.8	41.6582
Ba 389.178	0.0000	ppb	13.161	16.3	-80.6053
Be 313.042	0.0000	ppb	1.236	0.5	-239.895
Ca 370.602	0.0000	ppb	1.838	9.0	20.35
Cd 226.502	0.0000	ppb	3.219	33.8	9.5102
Co 228.615	0.0000	ppb	3.386	49.6	6.8228
Cr 267.716	0.0000	ppb	8.656	25.2	34.3822
Cu 324.754	0.0000	ppb	20.878	8.6	243.168
Fe 271.441	0.0000	ppb	5.505	34.3	16.0611
K 766.491	0.0000	ppb	10.476	4.3	243.130
Mg 279.078	0.0000	ppb	0.630	2.7	23.4916
Mn 257.610	0.0000	ppb	5.005	13.8	36.2395
Mo 202.032	0.0000	ppb	2.335	36.5	6.3940
Na 330.237	0.0000	ppb	4.149	16.1	25.7757
Ni 231.604	0.0000	ppb	0.745	13.2	-5.6355
Pb 220.353	0.0000	ppb	0.919	9.7	9.4867
Sb 206.834	0.0000	ppb	2.277	40.3	-5.6525
Se 196.026	0.0000	ppb	0.477	62.1	0.7679
Sn 189.925	0.0000	ppb	0.822	14.3	-5.7487
Sr 216.596	0.0000	ppb	0.592	9.3	6.3734
Ti 334.941	0.0000	ppb	5.451	17.2	-31.6786

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Tl 190.794	0.0000	ppb	0.354	4.6	-7.6866
V 292.401	0.0000	ppb	3.630	32.1	-11.3145
Zn 206.200	0.0000	ppb	0.175	72.1	0.2422

HIGH STD (Std) **10/17/2014, 4:05:07 PM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	1005.35	997.975	996.677
Al 308.215	10011.8	9998.13	9990.10
As 188.980	1009.99	989.944	1000.07
B 249.678	995.049	999.438	1005.51
Ba 389.178	10017.6	9994.99	9987.39
Be 313.042	1002.39	999.016	998.593
Ca 370.602	9994	9979	10027
Cd 226.502	1000.16	999.727	1000.11
Co 228.615	999.109	999.074	1001.82
Cr 267.716	10003.6	9989.83	10006.6
Cu 324.754	9999.63	10014.0	9986.33
Fe 271.441	10014.7	9992.44	9992.82
K 766.491	20043.2	19996.5	19960.3
Mg 279.078	9998.59	9996.75	10004.7
Mn 257.610	9999.86	9973.42	10026.7
Mo 202.032	1000.33	998.387	1001.28
Na 330.237	14745.4	15332.0	14922.6
Ni 231.604	4993.60	5002.38	5004.03
Pb 220.353	1001.46	1002.50	996.038
Sb 206.834	2006.97	1995.67	1997.35
Se 196.026	10022.2	9978.58	9999.18
Sn 189.925	9981.91	10054.5	9963.62
Sr 216.596	5003.19	4995.30	5001.51
Ti 334.941	1001.96	999.190	998.850
Tl 190.794	9980.91	9999.84	10019.2
V 292.401	10002.6	9980.07	10017.4
Zn 206.200	5007.72	4976.62	5015.65

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	399.073	0.5	85334.0
Al 308.215	10000.0	ppb	73.392	0.1	67640.0
As 188.980	1000.00	ppb	6.746	1.0	667.795
B 249.678	1000.00	ppb	87.812	0.5	16753.5
Ba 389.178	10000.0	ppb	338.599	0.2	215185
Be 313.042	1000.00	ppb	3766.049	0.2	1809314
Ca 370.602	10000	ppb	71.100	0.2	29024
Cd 226.502	1000.00	ppb	10.036	0.0	42174.7
Co 228.615	1000.00	ppb	18.482	0.2	11759.3
Cr 267.716	10000.0	ppb	491.904	0.1	550598
Cu 324.754	10000.0	ppb	1026.293	0.1	741334
Fe 271.441	10000.0	ppb	20.108	0.1	15771.0
K 766.491	20000.0	ppb	1861.013	0.2	896073
Mg 279.078	10000.0	ppb	11.281	0.0	27263.8
Mn 257.610	10000.0	ppb	5240.739	0.3	1966852
Mo 202.032	1000.00	ppb	10.093	0.1	6851.23
Na 330.237	15000.0	ppb	13.499	1.9	698.718
Ni 231.604	5000.00	ppb	17.530	0.1	15631.9

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Pb 220.353	1000.00	ppb	5.472	0.3	1586.17
Sb 206.834	2000.00	ppb	8.703	0.3	2849.92
Se 196.026	10000.0	ppb	10.281	0.2	4707.59
Sn 189.925	10000.0	ppb	36.402	0.5	7569.34
Sr 216.596	5000.00	ppb	51.416	0.1	61887.5
Ti 334.941	1000.00	ppb	497.146	0.2	291424
Tl 190.794	10000.0	ppb	21.435	0.2	11175.4
V 292.401	10000.0	ppb	490.600	0.2	261183
Zn 206.200	5000.00	ppb	22.669	0.4	5494.40

Ag 328.068 Calibration (ppb) **10/17/2014, 4:05:07 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-6.8319	0.0000	0.0000	-	-
HIGH STD		85334.0	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 85.3 x + -6.8

Al 308.215 Calibration (ppb) **10/17/2014, 4:05:07 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		603.204	0.0000	0.0000	-	-
HIGH STD		67640.0	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 6.7 x + 603.2

As 188.980 Calibration (ppb) **10/17/2014, 4:05:07 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.2253	0.0000	0.0000	-	-
HIGH STD		667.795	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 0.7 x + -5.2

B 249.678 Calibration (ppb) **10/17/2014, 4:05:07 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		41.6582	0.0000	0.0000	-	-
HIGH STD		16753.5	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 16.7 x + 41.7

Ba 389.178 Calibration (ppb) **10/17/2014, 4:05:07 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-80.6053	0.0000	0.0000	-	-
HIGH STD		215185	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 21.5 x + -80.6

Be 313.042 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-239.895	0.0000	0.0000	-	-
HIGH STD		1809314	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1809.6 x + -239.9

Ca 370.602 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		20.35	0.0000	0.0000	-	-
HIGH STD		29024	10000	10000	0.0010	0.0

Curve Type: Linear Equation: y = 2.9 x + 20.4

Cd 226.502 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.5102	0.0000	0.0000	-	-
HIGH STD		42174.7	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 42.2 x + 9.5

Co 228.615 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.8228	0.0000	0.0000	-	-
HIGH STD		11759.3	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 11.8 x + 6.8

Cr 267.716 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		34.3822	0.0000	0.0000	-	-
HIGH STD		550598	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 55.1 x + 34.4

Cu 324.754 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		243.168	0.0000	0.0000	-	-
HIGH STD		741334	10000.0	10000.00	-0.0020	0.0

Curve Type: Linear Equation: y = 74.1 x + 243.2

Fe 271.441 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		16.0611	0.0000	0.0000	-	-
HIGH STD		15771.0	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 1.6 x + 16.1

K 766.491 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		243.130	0.0000	0.0000	-	-
HIGH STD		896073	20000.0	20000.0	0.0000	0.0

Curve Type: Linear Equation: y = 44.8 x + 243.1

Mg 279.078 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		23.4916	0.0000	0.0000	-	-
HIGH STD		27263.8	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 2.7 x + 23.5

Mn 257.610 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		36.2395	0.0000	0.0000	-	-
HIGH STD		1966852	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 196.7 x + 36.2

Mo 202.032 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.3940	0.0000	0.0000	-	-
HIGH STD		6851.23	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 6.8 x + 6.4

Na 330.237 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		25.7757	0.0000	0.0000	-	-
HIGH STD		698.718	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.0 x + 25.8

Ni 231.604 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.6355	0.0000	0.0000	-	-
HIGH STD		15631.9	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: y = 3.1 x + -5.6

Pb 220.353 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.4867	0.0000	0.0000	-	-
HIGH STD		1586.17	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1.6 x + 9.5

Sb 206.834 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.6525	0.0000	0.0000	-	-
HIGH STD		2849.92	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1.4 x + -5.7

Se 196.026 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.7679	0.0000	0.0000	-	-
HIGH STD		4707.59	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 0.5 x + 0.8

Sn 189.925 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.7487	0.0000	0.0000	-	-
HIGH STD		7569.34	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 0.8 x + -5.7

Sr 216.596 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.3734	0.0000	0.0000	-	-
HIGH STD		61887.5	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 12.4 x + 6.4

Ti 334.941 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-31.6786	0.0000	0.0000	-	-
HIGH STD		291424	1000.00	1000.000	-0.0002	0.0

Curve Type: Linear Equation: y = 291.5 x + -31.7

Tl 190.794 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-7.6866	0.0000	0.0000	-	-
HIGH STD		11175.4	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 1.1 x + -7.7

V 292.401 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-11.3145	0.0000	0.0000	-	-
HIGH STD		261183	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 26.1 x + -11.3

Zn 206.200 Calibration (ppb) 10/17/2014, 4:05:07 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.2422	0.0000	0.0000	-	-
HIGH STD		5494.40	5000.00	5000.00	-0.0005	0.0

Curve Type: Linear Equation: y = 1.1 x + 0.2

Lab Control Sample (LCS) 10/17/2014, 4:09:22 PM Rack S, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1000.62	1000.26	1003.06
Al 308.215	9999.12	10030.5	10017.8
As 188.980	998.983	1004.45	1014.17
B 249.678	1008.89	1016.91	1015.40
Ba 389.178	10001.2	10044.8	10021.2
Be 313.042	999.470	1001.91	1000.85
Ca 370.602	10088	10070	10032
Cd 226.502	1000.18	1001.61	999.295
Co 228.615	1003.24	1002.38	1000.20
Cr 267.716	10009.3	10040.1	10002.5
Cu 324.754	9990.49	9911.35	9924.93
Fe 271.441	9999.11	10010.3	9992.26
K 766.491	19988.2	20095.9	20064.0
Mg 279.078	10007.9	10030.4	10009.1
Mn 257.610	10041.7	10075.4	10029.9
Mo 202.032	998.723	1001.78	1000.10
Na 330.237	15163.6	15470.5	15271.0
Ni 231.604	5000.22	5001.64	4998.31
Pb 220.353	1000.16	1003.00	1004.13
Sb 206.834	1997.57	2013.40	1997.45
Se 196.026	9975.07	10017.5	9981.73
Sn 189.925	10011.5	10031.0	9952.66
Sr 216.596	5015.90	5022.27	5006.25
Ti 334.941	999.764	1003.25	1001.47
Tl 190.794	9984.72	10021.7	9971.66
V 292.401	10017.4	10027.7	9994.90
Zn 206.200	5019.28	5012.91	4989.17

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1001.31	ppb	1.5225	0.2	85349.2	100.13129
Al 308.215	10015.8	ppb	15.7671	0.2	68806.8	100.15810

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1005.87	ppb	7.6905	0.8	671.495	100.58671
B 249.678	1013.73	ppb	4.2635	0.4	16989.6	20.27466*
Ba 389.178	10022.4	ppb	21.8137	0.2	215711	100.22385
Be 313.042	1000.74	ppb	1.2238	0.1	1811048	100.07438
Ca 370.602	10063	ppb	28.57	0.3	29882	100.63481
Cd 226.502	1000.36	ppb	1.1702	0.1	42227.6	100.03625
Co 228.615	1001.94	ppb	1.5677	0.2	11792.9	100.19395
Cr 267.716	10017.3	ppb	20.0645	0.2	551486	100.17295
Cu 324.754	9942.26	ppb	42.3217	0.4	736952	99.42258
Fe 271.441	10000.6	ppb	9.1164	0.1	15995.4	100.00562
K 766.491	20049.3	ppb	55.3111	0.3	898284	100.24673
Mg 279.078	10015.8	ppb	12.6685	0.1	27095.0	100.15788
Mn 257.610	10049.0	ppb	23.5900	0.2	1976592	100.49028
Mo 202.032	1000.20	ppb	1.5304	0.2	6841.15	100.01997
Na 330.237	15301.7	ppb	155.722	1.0	592.321	102.01128
Ni 231.604	5000.06	ppb	1.6690	0.0	15630.5	100.00118
Pb 220.353	1002.43	ppb	2.0465	0.2	1598.60	100.24263
Sb 206.834	2002.81	ppb	9.1749	0.5	2955.11	100.14037
Se 196.026	9991.42	ppb	22.7978	0.2	4706.01	99.91417
Sn 189.925	9998.40	ppb	40.7941	0.4	7568.14	99.98402
Sr 216.596	5014.81	ppb	8.0671	0.2	61934.0	100.29615
Ti 334.941	1001.49	ppb	1.7408	0.2	291877	100.14917
Tl 190.794	9992.70	ppb	25.9532	0.3	11187.6	99.92696
V 292.401	10013.3	ppb	16.7614	0.2	260961	100.13337
Zn 206.200	5007.12	ppb	15.8651	0.3	5470.28	100.14240

Initial Calib Verif (ICV) **10/17/2014, 4:13:37 PM** **Rack S, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	1029.78	1031.79	1022.71
Al 308.215	1016.31	1009.77	1006.91
As 188.980	1011.00	1027.56	1010.40
B 249.678	1030.53	1028.68	1026.48
Ba 389.178	1047.45	1045.62	1039.48
Be 313.042	1035.80	1026.67	1020.56
Ca 370.602	986.8	985.0	978.1
Cd 226.502	1024.13	1022.05	1018.85
Co 228.615	1054.35	1048.80	1047.41
Cr 267.716	1030.47	1025.93	1020.06
Cu 324.754	1047.41	1050.88	1042.35
Fe 271.441	1022.52	1007.16	1005.91
K 766.491	10388.3	10308.3	10268.3
Mg 279.078	1012.59	1006.99	1002.97
Mn 257.610	1062.95	1051.98	1048.31
Mo 202.032	1038.44	1039.14	1036.20
Na 330.237	10121.2	9771.04	10195.0
Ni 231.604	1033.57	1024.64	1025.53
Pb 220.353	1034.78	1033.79	1019.82
Sb 206.834	1044.53	1041.29	1032.44
Se 196.026	1004.28	987.177	976.278
Sn 189.925	5080.33	5088.00	5029.63
Sr 216.596	5167.26	5154.95	5130.99
Ti 334.941	1001.83	998.106	991.455

Label	Replicates Concentration		
Tl 190.794	1012.13	1007.43	1005.64
V 292.401	1059.07	1050.31	1047.57
Zn 206.200	1031.35	1025.72	1015.84

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1028.09	ppb	4.7676	0.5	87562.1	102.80910
Al 308.215	1011.00	ppb	4.8152	0.5	7539.90	101.09980
As 188.980	1016.32	ppb	9.7358	1.0	678.482	101.63206
B 249.678	1028.56	ppb	2.0244	0.2	17243.3	102.85614
Ba 389.178	1044.18	ppb	4.1742	0.4	22406.1	104.41821
Be 313.042	1027.68	ppb	7.6680	0.7	1859298	102.76772
Ca 370.602	983.3	ppb	4.560	0.5	3345	98.33138
Cd 226.502	1021.68	ppb	2.6591	0.3	43092.8	102.16783
Co 228.615	1050.19	ppb	3.6750	0.3	12340.4	105.01871
Cr 267.716	1025.49	ppb	5.2171	0.5	56479.3	102.54872
Cu 324.754	1046.88	ppb	4.2917	0.4	77853.8	104.68794
Fe 271.441	1011.87	ppb	9.2484	0.9	1749.49	101.18666
K 766.491	10321.6	ppb	61.1226	0.6	462563	103.21600
Mg 279.078	1007.52	ppb	4.8318	0.5	2745.67	100.75156
Mn 257.610	1054.41	ppb	7.6169	0.7	207429	105.44096Q
Mo 202.032	1037.93	ppb	1.5366	0.1	7109.63	103.79270
Na 330.237	10029.1	ppb	226.473	2.3	449.793	100.29052
Ni 231.604	1027.92	ppb	4.9191	0.5	3206.65	102.79160
Pb 220.353	1029.46	ppb	8.3628	0.8	1631.47	102.94643
Sb 206.834	1039.42	ppb	6.2571	0.6	1474.52	103.94206
Se 196.026	989.246	ppb	14.1164	1.4	466.648	98.92459
Sn 189.925	5065.99	ppb	31.7216	0.6	3831.79	101.31972
Sr 216.596	5151.07	ppb	18.4426	0.4	63717.1	103.02134
Ti 334.941	997.130	ppb	5.2563	0.5	290589	99.71303
Tl 190.794	1008.40	ppb	3.3518	0.3	1121.86	100.83978
V 292.401	1052.32	ppb	6.0045	0.6	27279.3	105.23173
Zn 206.200	1024.30	ppb	7.8505	0.8	1122.50	102.43021

Initial Calib Blank (ICB) **10/17/2014, 4:19:07 PM** **Rack S, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	-0.1011u	-0.1106u	-0.2723u
Al 308.215	1.7141	2.2240	0.7844
As 188.980	-1.4539u	-4.5724u	-1.1165u
B 249.678	14.3076	12.3242	11.1587
Ba 389.178	-0.2221u	1.0776	0.1168
Be 313.042	0.0218	0.0190	0.0183
Ca 370.602	4.164	-0.0427u	4.149
Cd 226.502	0.1322	0.0115	0.1952
Co 228.615	0.0115	-0.2021u	-0.0534u
Cr 267.716	0.3331	0.2649	0.2510
Cu 324.754	0.5735	0.7700	0.5652
Fe 271.441	3.5190	-0.3305u	1.2764
K 766.491	0.8665	1.1608	1.8541
Mg 279.078	3.6528	0.8488	0.1238
Mn 257.610	0.3067	0.2894	0.3263
Mo 202.032	1.6127	1.8550	1.6010
Na 330.237	62.2200	39.3328	55.6694

Label	Replicates Concentration		
Ni 231.604	0.1315	-0.8003u	-0.0400u
Pb 220.353	2.3687	-0.4081u	0.3867
Sb 206.834	2.5364	4.4812	2.0257
Se 196.026	1.8937	-2.1052u	5.7917
Sn 189.925	2.5214	1.9978	0.0146
Sr 216.596	0.2030	0.0994	0.1453
Ti 334.941	0.1158	0.0849	0.1453
Tl 190.794	0.7673	3.1239	1.4102
V 292.401	-0.0500u	0.0445	0.4203
Zn 206.200	1.0689	2.5345	0.5695

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1613	ppb	0.0962	59.6	-20.6028	-0.16135
Al 308.215	1.5742	ppb	0.7299	46.4	613.878	1.57420
As 188.980	-2.3809	ppb	1.9053	80.0	-6.8282	-2.38092
B 249.678	12.5968	ppb	1.5921	12.6	252.235	12.59684
Ba 389.178	0.3241	ppb	0.6742	208.0	-73.6150	0.32411
Be 313.042	0.0197	ppb	0.0018	9.4	-204.451	0.01973
Ca 370.602	2.757	ppb	2.424	87.9	28.39	2.75671
Cd 226.502	0.1129	ppb	0.0934	82.7	14.2768	0.11293
Co 228.615	-0.0814	ppb	0.1095	134.6	5.8210	-0.08136
Cr 267.716	0.2830	ppb	0.0440	15.5	49.9630	0.28299
Cu 324.754	0.6362	ppb	0.1159	18.2	290.386	0.63623
Fe 271.441	1.4883	ppb	1.9335	129.9	18.3827	1.48828
K 766.491	1.2938	ppb	0.5071	39.2	301.081	1.29380
Mg 279.078	1.5418	ppb	1.8638	120.9	27.6841	1.54181
Mn 257.610	0.3075	ppb	0.0185	6.0	96.7388	0.30747
Mo 202.032	1.6896	ppb	0.1434	8.5	17.9586	1.68957
Na 330.237	52.4074	ppb	11.7871	22.5	28.1122	52.40743
Ni 231.604	-0.2363	ppb	0.4959	209.9	-6.3737	-0.23626
Pb 220.353	0.7825	ppb	1.4301	182.8	10.7185	0.78247
Sb 206.834	3.0144	ppb	1.2956	43.0	-1.3748	3.01442
Se 196.026	1.8601	ppb	3.9485	212.3	1.6435	1.86007
Sn 189.925	1.5113	ppb	1.3224	87.5	-4.6039	1.51128
Sr 216.596	0.1492	ppb	0.0519	34.8	8.2034	0.14922
Ti 334.941	0.1153	ppb	0.0302	26.2	1.9413	0.11535
Tl 190.794	1.7671	ppb	1.2182	68.9	-5.7168	1.76713
V 292.401	0.1382	ppb	0.2488	180.0	-7.9888	0.13824
Zn 206.200	1.3910	ppb	1.0213	73.4	1.7696	1.39099

CRI (CRI) **10/17/2014, 4:23:23 PM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.4487	10.5524	10.5232
Al 308.215	206.039	211.288	209.992
As 188.980	19.3160	22.8415	23.3606
B 249.678	107.640	107.526	108.693
Ba 389.178	10.0424	10.6697	11.4396
Be 313.042	4.2223	4.2285	4.2256
Ca 370.602	519.2	528.0	530.3
Cd 226.502	5.3135	5.3747	5.4341
Co 228.615	10.3203	10.6051	10.6881
Cr 267.716	10.6323	10.7068	10.6293

Label	Replicates Concentration		
Cu 324.754	21.9505	21.9588	21.9530
Fe 271.441	53.6196	49.8690	55.8060
K 766.491	1086.50	1086.43	1090.13
Mg 279.078	518.382	522.217	519.609
Mn 257.610	11.2116	11.3436	11.3636
Mo 202.032	10.9463	10.8494	10.8519
Na 330.237	1076.53	1042.91	1111.90
Ni 231.604	42.1402	42.7130	41.6526
Pb 220.353	11.0785	11.8572	11.9900
Sb 206.834	19.5736	20.1753	21.4738
Se 196.026	23.3610	18.8400	25.4856
Sn 189.925	51.2717	57.0010	53.2754
Sr 216.596	10.6200	9.8585	10.0165
Ti 334.941	10.4585	10.5157	10.5026
Tl 190.794	24.9259	27.3109	24.3824
V 292.401	10.5982	10.6268	10.5587
Zn 206.200	21.4311	22.4795	23.7555

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.5081	ppb	0.0535	0.5	889.658	105.08080
Al 308.215	209.106	ppb	2.7341	1.3	2006.69	104.55317
As 188.980	21.8394	ppb	2.2006	10.1	9.4717	109.19688
B 249.678	107.953	ppb	0.6433	0.6	1845.95	107.95302
Ba 389.178	10.7172	ppb	0.6998	6.5	150.903	107.17223
Be 313.042	4.2255	ppb	0.0031	0.1	7405.23	105.63647
Ca 370.602	525.8	ppb	5.859	1.1	1550	105.16486
Cd 226.502	5.3741	ppb	0.0603	1.1	236.307	107.48165
Co 228.615	10.5378	ppb	0.1929	1.8	130.576	105.37807
Cr 267.716	10.6561	ppb	0.0439	0.4	621.022	106.56132
Cu 324.754	21.9541	ppb	0.0042	0.0	1870.48	109.77043
Fe 271.441	53.0982	ppb	3.0026	5.7	101.100	106.19641
K 766.491	1087.69	ppb	2.1142	0.2	48962.3	108.76870
Mg 279.078	520.069	ppb	1.9585	0.4	1439.86	104.01381
Mn 257.610	11.3063	ppb	0.0826	0.7	2263.75	113.06289
Mo 202.032	10.8825	ppb	0.0552	0.5	80.8690	108.82536
Na 330.237	1077.11	ppb	34.4981	3.2	73.5755	107.71150
Ni 231.604	42.1686	ppb	0.5308	1.3	126.226	105.42154
Pb 220.353	11.6419	ppb	0.4924	4.2	27.8302	116.41898
Sb 206.834	20.4075	ppb	0.9711	4.8	23.4338	102.03773
Se 196.026	22.5622	ppb	3.3941	15.0	11.3906	112.81100
Sn 189.925	53.8494	ppb	2.9075	5.4	35.0430	107.69877
Sr 216.596	10.1650	ppb	0.4019	4.0	131.122	101.65001
Ti 334.941	10.4923	ppb	0.0300	0.3	3027.20	104.92274
Tl 190.794	25.5397	ppb	1.5577	6.1	20.8854	102.15898
V 292.401	10.5946	ppb	0.0342	0.3	263.359	105.94558
Zn 206.200	22.5554	ppb	1.1640	5.2	24.9909	112.77699

CRI (CRI) **10/17/2014, 4:27:39 PM** **Rack S, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	10.7022	10.7341	10.8507
Al 308.215	205.864	209.787	208.274
As 188.980	20.6927	23.0275	15.1903

Label	Replicates Concentration		
B 249.678	107.176	107.825	107.586
Ba 389.178	11.1961	11.1816	10.5543
Be 313.042	4.2233	4.2410	4.2154
Ca 370.602	526.6	529.9	525.0
Cd 226.502	5.2605	5.2801	5.3422
Co 228.615	10.3194	10.4025	10.2787
Cr 267.716	10.5422	10.6254	10.5921
Cu 324.754	22.2802	22.1417	22.3958
Fe 271.441	46.6220	52.4247	49.3694
K 766.491	1090.68	1093.54	1091.71
Mg 279.078	516.068	519.533	517.682
Mn 257.610	11.1902	11.2916	11.1949
Mo 202.032	10.4743	11.3061	10.0647
Na 330.237	1036.77	917.708	997.894
Ni 231.604	41.4156	42.4629	41.3162
Pb 220.353	12.2011	11.7500	10.1706
Sb 206.834	23.3185	23.3222	22.9954
Se 196.026	28.9600	18.4482	22.8491
Sn 189.925	51.9687	50.8596	53.7944
Sr 216.596	10.3942	10.2274	10.1130
Ti 334.941	10.4784	10.5452	10.4226
Tl 190.794	25.7561	28.1225	24.1720
V 292.401	10.7543	10.3856	10.6363
Zn 206.200	22.1699	22.8943	20.9192

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.7623	ppb	0.0782	0.7	911.351	107.62323
Al 308.215	207.975	ppb	1.9788	1.0	1999.09	103.98754
As 188.980	19.6368	ppb	4.0239	20.5	7.9894	98.18420
B 249.678	107.529	ppb	0.3281	0.3	1838.88	107.52901
Ba 389.178	10.9774	ppb	0.3664	3.3	156.500	109.77367
Be 313.042	4.2266	ppb	0.0131	0.3	7407.29	105.66411
Ca 370.602	527.2	ppb	2.491	0.5	1554	105.43138
Cd 226.502	5.2943	ppb	0.0427	0.8	232.948	105.88528
Co 228.615	10.3335	ppb	0.0631	0.6	128.188	103.33531
Cr 267.716	10.5866	ppb	0.0419	0.4	617.195	105.86582
Cu 324.754	22.2726	ppb	0.1272	0.6	1894.07	111.36283
Fe 271.441	49.4720	ppb	2.9027	5.9	95.3491	98.94408
K 766.491	1091.98	ppb	1.4475	0.1	49154.5	109.19777
Mg 279.078	517.761	ppb	1.7336	0.3	1433.58	103.55220
Mn 257.610	11.2256	ppb	0.0572	0.5	2247.86	112.25568
Mo 202.032	10.6150	ppb	0.6326	6.0	79.0377	106.14999
Na 330.237	984.125	ppb	60.7143	6.2	69.3935	98.41246
Ni 231.604	41.7316	ppb	0.6353	1.5	124.860	104.32894
Pb 220.353	11.3739	ppb	1.0662	9.4	27.4083	113.73882
Sb 206.834	23.2120	ppb	0.1876	0.8	27.4443	116.05994
Se 196.026	23.4191	ppb	5.2791	22.5	11.7940	117.09549
Sn 189.925	52.2076	ppb	1.4819	2.8	33.7994	104.41514
Sr 216.596	10.2449	ppb	0.1414	1.4	132.135	102.44857
Ti 334.941	10.4820	ppb	0.0613	0.6	3024.22	104.82047
Tl 190.794	26.0169	ppb	1.9881	7.6	21.4191	104.06761
V 292.401	10.5921	ppb	0.1883	1.8	263.359	105.92060
Zn 206.200	21.9945	ppb	0.9992	4.5	24.3745	109.97247

Interf Check A (ICSA) **10/17/2014, 4:32:58 PM** **Rack S, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.2044u	0.1509u	0.0051u
Al 308.215	530157	530146	531187
As 188.980	-2.3853	-1.4263	-1.8557
B 249.678	-0.4369u	-0.8623u	-1.4389u
Ba 389.178	-2.0531	-2.9640	-2.1452
Be 313.042	-0.1613u	-0.1572u	-0.1552u
Ca 370.602	498114	500862	497027
Cd 226.502	-0.5687	-0.9026	-0.5422
Co 228.615	-0.5152	-1.1143	-0.7017
Cr 267.716	0.3910	0.5937	0.3306
Cu 324.754	2.0949	1.9410	1.7563
Fe 271.441	188342	188201	188395
K 766.491	4.0240	4.3384	3.8171
Mg 279.078	511757	509863	508386
Mn 257.610	2.9653	2.9227	2.9254
Mo 202.032	1.3721	2.7606	3.1743
Na 330.237	-237.064u	-50.5951u	41.4963u
Ni 231.604	-1.7376	0.7419	-1.9134
Pb 220.353	6.1982	8.7768	7.1968
Sb 206.834	-1.4929	-1.1041	4.1857
Se 196.026	-8.1103u	15.0634	0.3350
Sn 189.925	-0.0723u	-1.9453u	-1.9976u
Sr 216.596	7.1346	6.8668	6.7454
Ti 334.941	0.9748	0.9401	0.9784
Tl 190.794	-9.6737u	-7.2246u	-13.2506u
V 292.401	-4.5886u	-4.6476u	-4.4212u
Zn 206.200	7.9062u	10.4364	10.6586

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0161	ppb	0.1786	1109.7	-48.5992	-0.01609
Al 308.215	530497	ppb	597.964	0.1	3557202	-
As 188.980	-1.8891	ppb	0.4804	25.4	-2.1275	-1.88908
B 249.678	-0.9127	ppb	0.5029	55.1	-409.883	-0.91269
Ba 389.178	-2.3874	ppb	0.5014	21.0	653.845	-2.38741
Be 313.042	-0.1579	ppb	0.0031	2.0	-332.369	-0.15792
Ca 370.602	498668	ppb	1976	0.4	1444053	-
Cd 226.502	-0.6711	ppb	0.2009	29.9	683.609	-0.67113
Co 228.615	-0.7771	ppb	0.3066	39.5	10.8184	-0.77705
Cr 267.716	0.4384	ppb	0.1378	31.4	156.066	0.43842
Cu 324.754	1.9307	ppb	0.1696	8.8	468.583	1.93073
Fe 271.441	188313	ppb	100.134	0.1	296703	-
K 766.491	4.0598	ppb	0.2625	6.5	424.975	4.05981
Mg 279.078	510002	ppb	1689.73	0.3	1389083	-
Mn 257.610	2.9378	ppb	0.0238	0.8	4668.57	2.93779
Mo 202.032	2.4357	ppb	0.9440	38.8	14.1847	2.43569
Na 330.237	-82.0542	ppb	141.920	173.0	-19.6464	-82.05424
Ni 231.604	-0.9697	ppb	1.4849	153.1	7.7827	-0.96970
Pb 220.353	7.3906	ppb	1.3002	17.6	26.3000	7.39061
Sb 206.834	0.5295	ppb	3.1723	599.1	1.1933	0.52954
Se 196.026	2.4293	ppb	11.7280	482.8	3.6606	2.42934
Sn 189.925	-1.3384	ppb	1.0968	81.9	-6.7629	-1.33837
Sr 216.596	6.9156	ppb	0.1992	2.9	512.878	6.91562

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	0.9644	ppb	0.0211	2.2	1197.83	0.96445
Tl 190.794	-10.0496	ppb	3.0306	30.2	-44.7982	-10.04963
V 292.401	-4.5525	ppb	0.1174	2.6	-60.3435	-4.55246
Zn 206.200	9.6671	ppb	1.5290	15.8	2.1052	9.66708

Interf Check AB (ICSAB) **10/17/2014, 4:37:15 PM** **Rack S, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	222.114	222.478	221.968
Al 308.215	550685	551119	552127
As 188.980	106.360	103.094	98.2677
B 249.678	3.3064u	3.6731u	3.3582u
Ba 389.178	524.209	525.740	524.997
Be 313.042	492.322	491.421	490.454
Ca 370.602	473638	477021	475100
Cd 226.502	980.735	980.708	980.316
Co 228.615	477.238	474.837	477.911
Cr 267.716	491.107	491.461	491.332
Cu 324.754	573.327	573.030	573.670
Fe 271.441	193129	193154	193247
K 766.491	3.3097	1.9218	1.7120
Mg 279.078	521341	520436	521438
Mn 257.610	486.969	488.236	486.860
Mo 202.032	988.875	990.421	988.459
Na 330.237	-190.891u	-165.676u	-8.0450u
Ni 231.604	940.094	945.337	941.735
Pb 220.353	49.0439	43.9606	52.6785
Sb 206.834	652.279	652.354	654.023
Se 196.026	46.3608	54.8917	55.9817
Sn 189.925	985.029	998.215	989.939
Sr 216.596	7.8389	8.1031	7.4119
Ti 334.941	0.3008	0.2725	0.2561
Tl 190.794	84.7052	85.3142	82.2437
V 292.401	472.901	473.660	473.045
Zn 206.200	940.705	938.622	933.543

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	222.187	ppb	0.2628	0.1	18917.1	111.09325
Al 308.215	551310	ppb	739.675	0.1	3696844	110.26208
As 188.980	102.574	ppb	4.0711	4.0	68.1808	102.57373
B 249.678	3.4459	ppb	0.1984	5.8	-342.683	-
Ba 389.178	524.982	ppb	0.7656	0.1	12045.6	104.99635
Be 313.042	491.399	ppb	0.9344	0.2	889052	98.27984
Ca 370.602	475253	ppb	1697	0.4	1376080	95.05059
Cd 226.502	980.587	ppb	0.2345	0.0	42082.6	98.05867
Co 228.615	476.662	ppb	1.6159	0.3	5594.17	95.33237
Cr 267.716	491.300	ppb	0.1791	0.0	27171.1	98.25999
Cu 324.754	573.342	ppb	0.3199	0.1	42852.3	114.66848
Fe 271.441	193177	ppb	62.0416	0.0	304431	96.58853
K 766.491	2.3145	ppb	0.8682	37.5	346.800	-
Mg 279.078	521072	ppb	553.023	0.1	1419214	104.21433
Mn 257.610	487.355	ppb	0.7648	0.2	100117	97.47102
Mo 202.032	989.252	ppb	1.0341	0.1	6767.93	98.92519

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-121.537	ppb	99.0925	81.5	-44.7624	-
Ni 231.604	942.389	ppb	2.6822	0.3	2957.50	94.23888
Pb 220.353	48.5610	ppb	4.3790	9.0	90.1730	97.12199
Sb 206.834	652.885	ppb	0.9857	0.2	921.593	108.81422
Se 196.026	52.4114	ppb	5.2683	10.1	27.3682	104.82281
Sn 189.925	991.061	ppb	6.6643	0.7	744.989	99.10609
Sr 216.596	7.7846	ppb	0.3488	4.5	501.107	-
Ti 334.941	0.2765	ppb	0.0226	8.2	1039.15	-
Tl 190.794	84.0877	ppb	1.6257	1.9	58.6602	84.08768
V 292.401	473.202	ppb	0.4030	0.1	12236.2	94.64040
Zn 206.200	937.623	ppb	3.6838	0.4	1019.87	93.76234

LRA1 (Samp) **10/17/2014, 4:41:33 PM** **Rack S, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-0.2614	-0.2139	-0.2317
Al 308.215	68.9066	68.0641	64.9722
As 188.980	19660.8x	19625.2x	19863.9x
B 249.678	4934.60	4971.06	4992.78
Ba 389.178	-0.4594u	0.6139	0.4411
Be 313.042	0.0779	0.0835	0.0819
Ca 370.602	-439.8	-453.1	-466.4
Cd 226.502	-3.1179u	-3.2039u	-3.2751u
Co 228.615	9820.96	9847.85	9862.58
Cr 267.716	-1.3945	-1.2058	-1.3089
Cu 324.754	-3.9851u	-4.2501u	-4.2318u
Fe 271.441	-35.1177	-46.0091	-34.1341
K 766.491	2.5307	3.0261	2.9815
Mg 279.078	40.7137u	39.4557u	34.9906u
Mn 257.610	25761.8	25921.0	25894.2
Mo 202.032	2.6793	1.8566	2.2502
Na 330.237	1403.99	1517.03	1223.99u
Ni 231.604	10162.4x	10185.5x	10170.1x
Pb 220.353	21010.1x	21003.1x	20986.7x
Sb 206.834	8.8342	5.9628	6.1384
Se 196.026	-7.6311	0.0132	-6.8760
Sn 189.925	3.5566	-3.3034u	5.9781
Sr 216.596	2.0161u	1.6019u	1.5955u
Ti 334.941	30648.0x	30628.7x	30646.6x
Tl 190.794	9.3123	4.2779	5.6098
V 292.401	-14.1259	-14.1973	-13.9330
Zn 206.200	3.5273	3.5651	3.0965

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2357b	ppb	0.0240	10.2	118.404
Al 308.215	67.3143b	ppb	2.0716	3.1	989.444
As 188.980	19716.7xb	ppb	128.778	0.7	13264.5
B 249.678	4966.15b	ppb	29.4017	0.6	83033.4
Ba 389.178	0.1985b	ppb	0.5763	290.3	-76.1389
Be 313.042	0.0811b	ppb	0.0029	3.6	-109.270
Ca 370.602	-453.1b	ppb	13.30	2.9	13303
Cd 226.502	-3.1990b	ppb	0.0787	2.5	-122.236
Co 228.615	9843.80b	ppb	21.1071	0.2	116368

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-1.3031b	ppb	0.0945	7.3	168.148
Cu 324.754	-4.1557b	ppb	0.1480	3.6	-64.7986
Fe 271.441	-38.4202b	ppb	6.5905	17.2	1181.53
K 766.491	2.8461b	ppb	0.2741	9.6	370.611
Mg 279.078	38.3866b	ppb	3.0076	7.8	-445.439
Mn 257.610	25859.0b	ppb	85.2766	0.3	5086026
Mo 202.032	2.2620b	ppb	0.4115	18.2	21.8284
Na 330.237	1381.67b	ppb	147.789	10.7	29.5460
Ni 231.604	10172.7xb	ppb	11.7261	0.1	31784.3
Pb 220.353	21000.0xb	ppb	11.9717	0.1	33106.5
Sb 206.834	6.9784b	ppb	1.6095	23.1	4.3149
Se 196.026	-4.8313b	ppb	4.2124	87.2	5.0199
Sn 189.925	2.0771b	ppb	4.8144	231.8	-4.1758
Sr 216.596	1.7378b	ppb	0.2410	13.9	-259.188
Ti 334.941	30641.1xb	ppb	10.7578	0.0	8930477
Tl 190.794	6.4000b	ppb	2.6086	40.8	45.7562
V 292.401	-14.0854b	ppb	0.1367	1.0	84.6788
Zn 206.200	3.3963b	ppb	0.2603	7.7	3.9337

LRA2 (Samp) **10/17/2014, 4:45:51 PM** **Rack S, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-0.0061u	0.4789u	0.0375u
Al 308.215	838448	875804x	874482x
As 188.980	100.459	70.3009	38.3393
B 249.678	81.2937u	72.1026u	59.7615u
Ba 389.178	2.0049	3.1555	1.2177
Be 313.042	-0.2511u	-0.2539u	-0.2496u
Ca 370.602	750163	752923	751330
Cd 226.502	8.9419	10.3076	10.4225
Co 228.615	-10.2233u	-11.6987u	-11.8991u
Cr 267.716	-5.5220	-5.1741	-5.3223
Cu 324.754	2.1734	1.7408	1.8678
Fe 271.441	934315	934341	934826
K 766.491	17.4855	17.0142	16.8835
Mg 279.078	800464	802466	798868
Mn 257.610	5.3327	4.9175	4.7325
Mo 202.032	4.2533u	1.1921u	4.3525u
Na 330.237	-132.730u	-256.470u	-439.496u
Ni 231.604	-17.3323	-20.2166	-18.1372
Pb 220.353	12.0325	6.3144	4.4413
Sb 206.834	-5.8025	10.8573	-1.7844
Se 196.026	-15.8681	-18.7780u	-8.9282
Sn 189.925	10.4646	0.1377	4.1846
Sr 216.596	11.6729	10.0377	10.0407
Ti 334.941	8.6644	8.0077	7.5260
Tl 190.794	-34.5589u	-38.2026u	-33.4776u
V 292.401	-29.9609u	-30.5199u	-30.2948u
Zn 206.200	15.3973u	15.3850u	16.4627u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1701b	ppb	0.2683	157.8	-167.782
Al 308.215	862911xb	ppb	21196.2	2.5	5786868

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	69.6998b	ppb	31.0643	44.6	44.7819
B 249.678	71.0526b	ppb	10.8045	15.2	-950.119
Ba 389.178	2.1260b	ppb	0.9745	45.8	1563.25
Be 313.042	-0.2515b	ppb	0.0022	0.9	-403.481
Ca 370.602	751472b	ppb	1385	0.2	2168086
Cd 226.502	9.8907b	ppb	0.8237	8.3	3909.66
Co 228.615	-11.2737b	ppb	0.9152	8.1	-60.0558
Cr 267.716	-5.3394b	ppb	0.1746	3.3	207.461
Cu 324.754	1.9273b	ppb	0.2223	11.5	796.958
Fe 271.441	934494b	ppb	287.739	0.0	1472310
K 766.491	17.1277b	ppb	0.3166	1.8	1010.31
Mg 279.078	800599b	ppb	1802.73	0.2	2180546
Mn 257.610	4.9942b	ppb	0.3074	6.2	9248.61
Mo 202.032	3.2660b	ppb	1.7967	55.0	-15.5913
Na 330.237	-276.232b	ppb	154.335	55.9	-194.437
Ni 231.604	-18.5620b	ppb	1.4883	8.0	17.7093
Pb 220.353	7.5960b	ppb	3.9545	52.1	71.9051
Sb 206.834	1.0901b	ppb	8.6939	797.5	26.3758
Se 196.026	-14.5248b	ppb	5.0605	34.8	2.6514
Sn 189.925	4.9290b	ppb	5.2035	105.6	-2.0169
Sr 216.596	10.5838b	ppb	0.9432	8.9	1588.77
Ti 334.941	8.0660b	ppb	0.5715	7.1	3917.15
Tl 190.794	-35.4130b	ppb	2.4756	7.0	-176.543
V 292.401	-30.2585b	ppb	0.2813	0.9	-459.224
Zn 206.200	15.7483b	ppb	0.6187	3.9	-26.1714

LRA3 (Samp) **10/17/2014, 4:50:10 PM** **Rack S, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.0951u	-0.1667u	-0.1194u
Al 308.215	42.3363	38.2425	36.0960
As 188.980	11.7167	10.2444	11.2437
B 249.678	18.3143	17.1732	15.2815
Ba 389.178	0.4023	0.6056	0.3143
Be 313.042	-0.0309u	-0.0347u	-0.0300u
Ca 370.602	54.15	49.16	48.68
Cd 226.502	0.2018	0.0864	0.3996
Co 228.615	0.0907	0.0187	-0.0278u
Cr 267.716	-0.0042	0.1227	0.0120
Cu 324.754	0.4983	0.5902	0.4640
Fe 271.441	56.1671	46.4170	52.8413
K 766.491	40792.2x	40565.3x	40056.7x
Mg 279.078	44.5538	43.2825	42.1565
Mn 257.610	0.6832	0.6182	0.5797
Mo 202.032	0.8007	0.9642	0.3340
Na 330.237	109804	109445	108031
Ni 231.604	0.6759	0.9811	-0.7596u
Pb 220.353	1.6404	-0.9528u	2.3608
Sb 206.834	5.2629	2.7739	3.8800
Se 196.026	-3.6965u	3.0662	0.2195
Sn 189.925	3.2309	1.5948	-0.0534u
Sr 216.596	-0.1296u	0.5366	0.0678
Ti 334.941	1.1134	1.0286	1.0317

Label	Replicates Concentration		
Tl 190.794	0.3481	0.7601	3.2193
V 292.401	-0.1328u	-0.1124u	-0.2679u
Zn 206.200	29567.6x	29427.2x	29138.8x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1271b	ppb	0.0364	28.6	-17.6891
Al 308.215	38.8916b	ppb	3.1703	8.2	864.035
As 188.980	11.0683b	ppb	0.7517	6.8	2.2237
B 249.678	16.9230b	ppb	1.5318	9.1	324.533
Ba 389.178	0.4407b	ppb	0.1494	33.9	-71.0238
Be 313.042	-0.0319b	ppb	0.0025	7.9	-308.518
Ca 370.602	50.66b	ppb	3.030	6.0	167.1
Cd 226.502	0.2293b	ppb	0.1584	69.1	18.7627
Co 228.615	0.0272b	ppb	0.0597	219.7	7.1746
Cr 267.716	0.0435b	ppb	0.0691	158.6	38.2003
Cu 324.754	0.5175b	ppb	0.0652	12.6	281.578
Fe 271.441	51.8085b	ppb	4.9564	9.6	97.6913
K 766.491	40471.4xb	ppb	376.611	0.9	1813018
Mg 279.078	43.3309b	ppb	1.1994	2.8	141.497
Mn 257.610	0.6270b	ppb	0.0523	8.3	159.585
Mo 202.032	0.6996b	ppb	0.3270	46.7	11.1805
Na 330.237	109093b	ppb	937.080	0.9	4225.52
Ni 231.604	0.2991b	ppb	0.9295	310.7	-4.6616
Pb 220.353	1.0161b	ppb	1.7428	171.5	11.0904
Sb 206.834	3.9722b	ppb	1.2471	31.4	0.0083
Se 196.026	-0.1369b	ppb	3.3954	2479.7	0.7041
Sn 189.925	1.5908b	ppb	1.6422	103.2	-4.5123
Sr 216.596	0.1582b	ppb	0.3422	216.3	8.4009
Ti 334.941	1.0579b	ppb	0.0481	4.5	268.874
Tl 190.794	1.4425b	ppb	1.5525	107.6	-6.0834
V 292.401	-0.1710b	ppb	0.0845	49.4	-16.6110
Zn 206.200	29377.8xb	ppb	218.603	0.7	32281.6

Cont Calib Verif (CCV) **10/17/2014, 4:56:11 PM** **Rack 1, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	495.122	498.009	497.984
Al 308.215	4859.20	4828.75	4850.02
As 188.980	466.422	455.216	459.296
B 249.678	494.366	495.650	498.941
Ba 389.178	5036.48	5012.69	5030.30
Be 313.042	498.263	495.793	497.704
Ca 370.602	4907	4914	4961
Cd 226.502	505.497	503.459	504.303
Co 228.615	501.617	500.263	503.572
Cr 267.716	4989.27	4974.40	4998.91
Cu 324.754	4989.83	4961.15	4965.24
Fe 271.441	4964.18	4942.04	4945.86
K 766.491	10049.6	9994.53	10021.2
Mg 279.078	4901.00	4898.28	4919.68
Mn 257.610	5031.79	4999.54	5043.45
Mo 202.032	494.563	493.778	494.944
Na 330.237	7386.89	7569.44	7752.21

Label	Replicates Concentration		
Ni 231.604	2530.91	2523.30	2541.33
Pb 220.353	504.027	503.634	506.960
Sb 206.834	954.563	942.886	935.648
Se 196.026	4897.28	4858.82	4891.30
Sn 189.925	4960.46	5006.28	5020.64
Sr 216.596	2513.63	2504.24	2514.84
Ti 334.941	494.055	491.627	493.865
Tl 190.794	5031.69	5017.71	5048.27
V 292.401	4907.56	4895.04	4925.97
Zn 206.200	2505.85	2493.65	2510.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.038	ppb	1.6594	0.3	42361.6	99.40765
Al 308.215	4845.99	ppb	15.6182	0.3	33614.6	96.91978
As 188.980	460.311	ppb	5.6715	1.2	304.449	92.06229
B 249.678	496.319	ppb	2.3602	0.5	8338.71	99.26381
Ba 389.178	5026.49	ppb	12.3460	0.2	108144	100.52979
Be 313.042	497.253	ppb	1.2951	0.3	899759	99.45068
Ca 370.602	4927	ppb	29.64	0.6	14648	98.54889
Cd 226.502	504.420	ppb	1.0238	0.2	21297.1	100.88394
Co 228.615	501.817	ppb	1.6631	0.3	5909.83	100.36347
Cr 267.716	4987.53	ppb	12.3478	0.2	274598	99.75055
Cu 324.754	4972.07	ppb	15.5153	0.3	368668	99.44141
Fe 271.441	4950.69	ppb	11.8335	0.2	7927.47	99.01387
K 766.491	10021.8	ppb	27.5468	0.3	449134	100.21785
Mg 279.078	4906.32	ppb	11.6486	0.2	13281.5	98.12635
Mn 257.610	5024.93	ppb	22.7431	0.5	988394	100.49854
Mo 202.032	494.428	ppb	0.5948	0.1	3385.01	98.88570
Na 330.237	7569.51	ppb	182.661	2.4	305.272	100.92684
Ni 231.604	2531.85	ppb	9.0540	0.4	7911.92	101.27390
Pb 220.353	504.874	ppb	1.8174	0.4	809.839	100.97472
Sb 206.834	944.365	ppb	9.5438	1.0	1393.46	94.43653
Se 196.026	4882.47	ppb	20.6950	0.4	2300.10	97.64931
Sn 189.925	4995.79	ppb	31.4334	0.6	3778.61	99.91583
Sr 216.596	2510.90	ppb	5.8000	0.2	31012.6	100.43613
Ti 334.941	493.182	ppb	1.3500	0.3	143718	98.63647
Tl 190.794	5032.56	ppb	15.2946	0.3	5630.40	100.65115
V 292.401	4909.52	ppb	15.5585	0.3	127937	98.19046
Zn 206.200	2503.35	ppb	8.7171	0.3	2734.99	100.13390

Cont Calib Blank (CCB) **10/17/2014, 5:00:25 PM** **Rack 1, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.0140	0.0699	-0.1587u
Al 308.215	-10.1583u	-8.1813u	-7.8248u
As 188.980	2.6350	3.3481	3.1447
B 249.678	11.8012	11.1743	9.9746
Ba 389.178	0.8012	0.8124	1.1690
Be 313.042	0.0064	0.0179	0.0306
Ca 370.602	3.137	4.544	6.473
Cd 226.502	0.1738	0.1407	0.3464
Co 228.615	0.0947	-0.0549u	0.0635
Cr 267.716	0.7430	0.8816	0.9150

Label	Replicates Concentration		
Cu 324.754	0.5988	1.1312	0.8458
Fe 271.441	3.7082	-0.5427u	2.8079
K 766.491	2.1350	1.9274	2.6734
Mg 279.078	2.4478	3.0471	2.6438
Mn 257.610	0.6666	0.8913	0.9524
Mo 202.032	1.7272	1.1169	1.2984
Na 330.237	80.8819	23.9769	42.0237
Ni 231.604	-0.3938u	0.9476	0.9869
Pb 220.353	-0.2986u	1.3958	-1.1732u
Sb 206.834	4.6177	1.9235	1.7094
Se 196.026	0.9722	6.8848	0.8630
Sn 189.925	1.9433	1.9572	0.4498
Sr 216.596	0.8119	0.0203	0.2515
Ti 334.941	0.2385	0.2648	0.2125
Tl 190.794	-0.0389u	2.5750	-1.2581u
V 292.401	0.5045	0.8774	0.9091
Zn 206.200	0.7183	2.3870	2.8023

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0249	ppb	0.1192	478.2	-8.9690	-0.02493
Al 308.215	-8.7215	ppb	1.2570	14.4	544.905	-8.72147
As 188.980	3.0426	ppb	0.3673	12.1	-3.1782	3.04258
B 249.678	10.9834	ppb	0.9281	8.5	225.238	10.98337
Ba 389.178	0.9275	ppb	0.2092	22.6	-60.6223	0.92754
Be 313.042	0.0183	ppb	0.0121	66.0	-206.925	0.01832
Ca 370.602	4.718	ppb	1.675	35.5	34.13	4.71814
Cd 226.502	0.2203	ppb	0.1105	50.1	18.8135	0.22033
Co 228.615	0.0344	ppb	0.0789	229.3	7.1942	0.03443
Cr 267.716	0.8465	ppb	0.0912	10.8	80.9861	0.84652
Cu 324.754	0.8586	ppb	0.2664	31.0	306.849	0.85863
Fe 271.441	1.9911	ppb	2.2401	112.5	19.1990	1.99113
K 766.491	2.2453	ppb	0.3850	17.1	343.699	2.24526
Mg 279.078	2.7129	ppb	0.3055	11.3	30.8662	2.71290
Mn 257.610	0.8367	ppb	0.1505	18.0	200.853	0.83675
Mo 202.032	1.3808	ppb	0.3134	22.7	15.8447	1.38085
Na 330.237	48.9609	ppb	29.0798	59.4	27.9457	48.96087
Ni 231.604	0.5136	ppb	0.7860	153.0	-4.0288	0.51356
Pb 220.353	-0.0253	ppb	1.3061	5162.9	9.4461	-0.02530
Sb 206.834	2.7502	ppb	1.6208	58.9	-1.7400	2.75022
Se 196.026	2.9067	ppb	3.4456	118.5	2.1362	2.90665
Sn 189.925	1.4501	ppb	0.8663	59.7	-4.6502	1.45009
Sr 216.596	0.3612	ppb	0.4070	112.7	10.8189	0.36119
Ti 334.941	0.2386	ppb	0.0261	11.0	37.8640	0.23859
Tl 190.794	0.4260	ppb	1.9584	459.7	-7.2142	0.42599
V 292.401	0.7636	ppb	0.2250	29.5	8.3669	0.76365
Zn 206.200	1.9692	ppb	1.1030	56.0	2.4030	1.96918

mb 680-353769/1-a (Samp) **10/17/2014, 5:04:40 PM** **Rack 1, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-0.0308u	0.0232	0.0563
Al 308.215	-8.1409u	-8.6430u	-7.3708u
As 188.980	-0.1196u	-1.9328u	-3.9046u

Label	Replicates Concentration		
B 249.678	4.9209	4.4836	4.6079
Ba 389.178	1.7671	1.5048	1.5485
Be 313.042	-0.0232u	-0.0277u	-0.0293u
Ca 370.602	4.351	3.946	0.8075
Cd 226.502	0.1923	0.3172	0.0922
Co 228.615	0.2476	0.1712	-0.4272u
Cr 267.716	0.4374	0.0186	-0.0774u
Cu 324.754	0.3550	0.1662	0.0189
Fe 271.441	5.0033	3.2749	6.9261
K 766.491	1.6795	1.2607	1.2171
Mg 279.078	4.0913	1.3095	2.9769
Mn 257.610	0.2982	0.2795	0.2424
Mo 202.032	-0.0658u	-0.0060u	0.5651
Na 330.237	296.038	192.473	154.512
Ni 231.604	-0.2976u	0.0457	0.6192
Pb 220.353	-1.5695u	1.0442	1.7401
Sb 206.834	-0.2259u	0.3103	0.7788
Se 196.026	0.8447	-3.0022u	3.1495
Sn 189.925	-0.6576u	-2.0360u	-2.0672u
Sr 216.596	-0.0384u	-0.3868u	0.3606
Ti 334.941	0.0705	0.1146	0.0818
Tl 190.794	0.1244	-0.7275u	1.4164
V 292.401	-0.1753u	-0.0745u	0.2955
Zn 206.200	3.5390	4.3050	3.1443

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0162	ppb	0.0440	270.5	-5.4483
Al 308.215	-8.0516	ppb	0.6407	8.0	549.261
As 188.980	-1.9857	ppb	1.8931	95.3	-6.5619
B 249.678	4.6708	ppb	0.2254	4.8	119.718
Ba 389.178	1.6068	ppb	0.1405	8.7	-46.0081
Be 313.042	-0.0267	ppb	0.0031	11.7	-288.259
Ca 370.602	3.035	ppb	1.939	63.9	29.18
Cd 226.502	0.2006	ppb	0.1127	56.2	17.9751
Co 228.615	-0.0028	ppb	0.3695	13147.1	6.7880
Cr 267.716	0.1262	ppb	0.2737	216.9	41.3334
Cu 324.754	0.1800	ppb	0.1684	93.6	256.516
Fe 271.441	5.0681	ppb	1.8265	36.0	24.0322
K 766.491	1.3858	ppb	0.2553	18.4	305.201
Mg 279.078	2.7926	ppb	1.4000	50.1	31.0962
Mn 257.610	0.2734	ppb	0.0284	10.4	90.0400
Mo 202.032	0.1644	ppb	0.3483	211.8	7.5193
Na 330.237	214.341	ppb	73.2537	34.2	35.3338
Ni 231.604	0.1225	ppb	0.4632	378.3	-5.2520
Pb 220.353	0.4049	ppb	1.7450	430.9	10.1254
Sb 206.834	0.2877	ppb	0.5027	174.7	-5.2431
Se 196.026	0.3307	ppb	3.1079	939.8	0.9236
Sn 189.925	-1.5869	ppb	0.8050	50.7	-6.9507
Sr 216.596	-0.0215	ppb	0.3740	1736.7	6.0963
Ti 334.941	0.0890	ppb	0.0229	25.8	-5.7553
Tl 190.794	0.2711	ppb	1.0794	398.1	-7.3843
V 292.401	0.0153	ppb	0.2479	1625.3	-10.9542
Zn 206.200	3.6628	ppb	0.5902	16.1	4.2663

llcs 680-353769/2-a (Samp) **10/17/2014, 5:08:55 PM** **Rack 1, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	11.1521	10.7660	10.4461
Al 308.215	202.780	203.377	202.987
As 188.980	21.5529	21.9203	20.7166
B 249.678	106.016	104.749	106.086
Ba 389.178	11.0547	11.4098	10.7081
Be 313.042	4.1286	4.1230	4.1249
Ca 370.602	503.0	509.1	501.6
Cd 226.502	5.5393	5.6315	5.4626
Co 228.615	10.3094	10.7308	10.4092
Cr 267.716	10.5409	10.7714	10.6226
Cu 324.754	21.8330	21.8572	21.9388
Fe 271.441	58.8343	53.9684	55.7514
K 766.491	1101.69	1108.73	1106.97
Mg 279.078	517.159	520.178	521.641
Mn 257.610	10.8430	10.8295	10.6964
Mo 202.032	10.7296	10.6939	10.1207
Na 330.237	1112.61	1114.61	1074.50
Ni 231.604	44.3518	42.5245	40.8853
Pb 220.353	10.8638	11.8310	13.3919
Sb 206.834	20.8079	25.1816	22.6606
Se 196.026	24.0643	18.6986	22.5034
Sn 189.925	54.4696	53.8008	55.5931
Sr 216.596	10.3729	10.8423	10.5211
Ti 334.941	10.6499	10.6606	10.6327
Tl 190.794	27.4042	25.3509	25.1605
V 292.401	10.0255	10.1471	10.0873
Zn 206.200	24.4211	25.2101	25.0331

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.7881	ppb	0.3535	3.3	913.521
Al 308.215	203.048	ppb	0.3029	0.1	1966.06
As 188.980	21.3966	ppb	0.6169	2.9	9.1737
B 249.678	105.617	ppb	0.7528	0.7	1806.92
Ba 389.178	11.0575	ppb	0.3508	3.2	158.245
Be 313.042	4.1255	ppb	0.0028	0.1	7224.31
Ca 370.602	504.6	ppb	3.967	0.8	1488
Cd 226.502	5.5445	ppb	0.0846	1.5	243.511
Co 228.615	10.4831	ppb	0.2202	2.1	129.945
Cr 267.716	10.6450	ppb	0.1168	1.1	620.414
Cu 324.754	21.8763	ppb	0.0555	0.3	1864.72
Fe 271.441	56.1847	ppb	2.4617	4.4	105.956
K 766.491	1105.80	ppb	3.6671	0.3	49773.4
Mg 279.078	519.659	ppb	2.2858	0.4	1438.75
Mn 257.610	10.7896	ppb	0.0810	0.8	2162.22
Mo 202.032	10.5147	ppb	0.3417	3.3	78.3515
Na 330.237	1100.57	ppb	22.6014	2.1	74.5566
Ni 231.604	42.5872	ppb	1.7341	4.1	127.536
Pb 220.353	12.0289	ppb	1.2756	10.6	28.4412
Sb 206.834	22.8834	ppb	2.1954	9.6	26.9765
Se 196.026	21.7554	ppb	2.7600	12.7	11.0110
Sn 189.925	54.6212	ppb	0.9057	1.7	35.6277
Sr 216.596	10.5788	ppb	0.2400	2.3	136.244

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	10.6477	ppb	0.0141	0.1	3072.54
Tl 190.794	25.9718	ppb	1.2441	4.8	21.3681
V 292.401	10.0866	ppb	0.0608	0.6	250.115
Zn 206.200	24.8881	ppb	0.4140	1.7	27.5529

lcs 680-353769/4-a (Samp) **10/17/2014, 5:13:10 PM** **Rack 1, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	20.4725	20.5511	20.4967
Al 308.215	1985.08	1987.03	1986.30
As 188.980	41.8720	39.1957	40.8983
B 249.678	83.8296	83.1158	83.6707
Ba 389.178	42.8711	42.6674	43.0356
Be 313.042	20.3727	20.3905	20.3768
Ca 370.602	1934	1926	1925
Cd 226.502	21.4380	21.3968	21.7008
Co 228.615	20.5601	20.2340	19.4744
Cr 267.716	40.9617	40.7636	40.9809
Cu 324.754	42.5034	41.9114	41.9591
Fe 271.441	2057.85	2054.77	2052.81
K 766.491	2167.59	2162.47	2168.48
Mg 279.078	2006.01	2011.95	2014.06
Mn 257.610	206.248	205.239	205.424
Mo 202.032	40.1198	39.9273	40.4516
Na 330.237	1906.92	1904.81	2042.06
Ni 231.604	40.8257	41.1590	42.6041
Pb 220.353	210.449	207.460	211.448
Sb 206.834	20.2876	20.5298	23.2768
Se 196.026	37.9413	42.1440	38.9055
Sn 189.925	81.8374	81.1077	79.8659
Sr 216.596	41.1391	40.8573	40.7383
Ti 334.941	41.3226	41.2906	41.3017
Tl 190.794	16.3881	16.7478	16.4721
V 292.401	40.0227	39.9062	40.1234
Zn 206.200	43.0810	43.8400	41.2447

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.5068	ppb	0.0403	0.2	1742.60
Al 308.215	1986.14	ppb	0.9869	0.0	13927.4
As 188.980	40.6553	ppb	1.3546	3.3	22.1323
B 249.678	83.5387	ppb	0.3748	0.4	1433.29
Ba 389.178	42.8580	ppb	0.1845	0.4	846.097
Be 313.042	20.3800	ppb	0.0093	0.0	36635.2
Ca 370.602	1928	ppb	4.612	0.2	5613
Cd 226.502	21.5119	ppb	0.1649	0.8	924.186
Co 228.615	20.0895	ppb	0.5571	2.8	242.857
Cr 267.716	40.9021	ppb	0.1203	0.3	2287.83
Cu 324.754	42.1246	ppb	0.3289	0.8	3366.95
Fe 271.441	2055.14	ppb	2.5415	0.1	3256.86
K 766.491	2166.18	ppb	3.2479	0.1	97269.6
Mg 279.078	2010.68	ppb	4.1723	0.2	5495.43
Mn 257.610	205.637	ppb	0.5371	0.3	40501.1
Mo 202.032	40.1662	ppb	0.2652	0.7	281.183

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1951.26	ppb	78.6407	4.0	111.800
Ni 231.604	41.5296	ppb	0.9454	2.3	124.376
Pb 220.353	209.786	ppb	2.0749	1.0	340.356
Sb 206.834	21.3647	ppb	1.6603	7.8	24.7202
Se 196.026	39.6636	ppb	2.2015	5.6	19.5064
Sn 189.925	80.9370	ppb	0.9968	1.2	55.5624
Sr 216.596	40.9116	ppb	0.2058	0.5	514.322
Ti 334.941	41.3050	ppb	0.0163	0.0	12010.7
Tl 190.794	16.5360	ppb	0.1882	1.1	10.6238
V 292.401	40.0174	ppb	0.1087	0.3	1026.89
Zn 206.200	42.7219	ppb	1.3344	3.1	46.9587

400-96877-a-1-d (Samp) **10/17/2014, 5:17:26 PM** **Rack 1, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-0.1495u	-0.1181u	-0.0847u
Al 308.215	3.8514	2.4320	2.1059
As 188.980	-2.8880u	-2.8407u	-4.6424u
B 249.678	12.1387	12.0134	11.8274
Ba 389.178	8.6270	9.1545	8.1782
Be 313.042	-0.0251u	-0.0090u	-0.0212u
Ca 370.602	5903	5934	5942
Cd 226.502	0.0744	0.2173	0.1776
Co 228.615	0.0446	0.3006	0.2647
Cr 267.716	2.4292	2.3745	2.2911
Cu 324.754	45.5375	45.4402	45.3379
Fe 271.441	3.4745	3.7544	6.7771
K 766.491	793.004	784.414	796.156
Mg 279.078	18448.0	18516.6	18539.3
Mn 257.610	0.8794	0.8581	0.8280
Mo 202.032	0.4586	0.0189	0.1735
Na 330.237	193426x	193848x	194371x
Ni 231.604	0.6246	1.1181	0.3479
Pb 220.353	0.3026	0.0919	0.4991
Sb 206.834	-0.7960u	0.6114	0.5171
Se 196.026	-1.7661u	0.3670	1.8665
Sn 189.925	0.6993	-1.9469u	1.1907
Sr 216.596	6.1862	6.9096	7.1863
Ti 334.941	-0.0164	-0.0291	-0.0861u
Tl 190.794	-0.1237u	-1.0315u	1.1777
V 292.401	0.1165	0.1642	0.4801
Zn 206.200	12.8520	14.8077	13.5226

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1174b	ppb	0.0324	27.6	-17.4327
Al 308.215	2.7964b	ppb	0.9280	33.2	622.023
As 188.980	-3.4570b	ppb	1.0269	29.7	-7.5521
B 249.678	11.9932b	ppb	0.1567	1.3	242.066
Ba 389.178	8.6532b	ppb	0.4887	5.6	130.934
Be 313.042	-0.0184b	ppb	0.0084	45.5	-292.612
Ca 370.602	5926b	ppb	20.21	0.3	17209
Cd 226.502	0.1564b	ppb	0.0738	47.2	15.2243
Co 228.615	0.2033b	ppb	0.1386	68.2	9.2098

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	2.3649b	ppb	0.0695	2.9	168.413
Cu 324.754	45.4385b	ppb	0.0998	0.2	3610.59
Fe 271.441	4.6687b	ppb	1.8313	39.2	23.4268
K 766.491	791.192b	ppb	6.0771	0.8	35681.8
Mg 279.078	18501.3b	ppb	47.5126	0.3	50421.5
Mn 257.610	0.8551b	ppb	0.0258	3.0	333.935
Mo 202.032	0.2170b	ppb	0.2230	102.8	7.8785
Na 330.237	193882xb	ppb	473.679	0.2	8723.55
Ni 231.604	0.6969b	ppb	0.3902	56.0	-3.4552
Pb 220.353	0.2979b	ppb	0.2036	68.4	9.9588
Sb 206.834	0.1108b	ppb	0.7868	710.1	-5.4717
Se 196.026	0.1558b	ppb	1.8255	1171.9	0.8416
Sn 189.925	-0.0190b	ppb	1.6876	8902.3	-5.7025
Sr 216.596	6.7607b	ppb	0.5164	7.6	92.4516
Ti 334.941	-0.0438b	ppb	0.0371	84.6	-26.5297
Tl 190.794	0.0075b	ppb	1.1104	14813.7	-7.6791
V 292.401	0.2536b	ppb	0.1976	77.9	-6.0445
Zn 206.200	13.7274b	ppb	0.9938	7.2	15.3181

400-96877-a-1-dSD (Samp) **10/17/2014, 5:21:42 PM** **Rack 1, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-0.1230u	-0.0472u	-0.0206u
Al 308.215	-1.6098u	-2.8777u	-4.4066u
As 188.980	-0.0098u	-5.8381u	-5.8451u
B 249.678	3.3080	3.5871	3.3748
Ba 389.178	2.3462	1.9867	2.3497
Be 313.042	-0.0310u	-0.0275u	-0.0327u
Ca 370.602	1190	1179	1173
Cd 226.502	0.1095	0.0686	0.0957
Co 228.615	0.1861	-0.1815u	-0.2990u
Cr 267.716	0.5150	0.4207	0.4786
Cu 324.754	9.3399	9.0167	9.1083
Fe 271.441	1.5646	1.6037	4.5013
K 766.491	135.739	134.528	133.997
Mg 279.078	3663.45	3641.81	3630.23
Mn 257.610	0.3235	0.3112	0.2784
Mo 202.032	0.4696	0.4622	0.0442
Na 330.237	35499.4	35171.4	35008.4
Ni 231.604	-0.6382u	-0.2574u	-0.2117u
Pb 220.353	0.7218	0.8771	-1.3270u
Sb 206.834	1.6229	2.1309	-1.2152u
Se 196.026	2.3818	5.4043	1.5781
Sn 189.925	-1.0504u	1.1263	-1.2225u
Sr 216.596	1.1392	1.0028	0.8603
Ti 334.941	0.0148	0.0117	-0.0124
Tl 190.794	0.2206	1.1651	-1.3969u
V 292.401	0.0956	-0.2295u	0.0391
Zn 206.200	4.0233	4.3299	2.5197

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0636	ppb	0.0531	83.5	-12.3680
Al 308.215	-2.9647	ppb	1.4004	47.2	-583.374

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-3.8977	ppb	3.3670	86.4	-7.8487
B 249.678	3.4233	ppb	0.1457	4.3	98.8805
Ba 389.178	2.2275	ppb	0.2086	9.4	-27.6891
Be 313.042	-0.0304	ppb	0.0027	8.9	-298.478
Ca 370.602	1180	ppb	8.568	0.7	3444
Cd 226.502	0.0913	ppb	0.0208	22.8	13.2054
Co 228.615	-0.0982	ppb	0.2531	257.8	5.6591
Cr 267.716	0.4714	ppb	0.0475	10.1	61.0362
Cu 324.754	9.1550	ppb	0.1666	1.8	921.652
Fe 271.441	2.5565	ppb	1.6843	65.9	20.0715
K 766.491	134.755	ppb	0.8930	0.7	6278.99
Mg 279.078	3645.16	ppb	16.8583	0.5	9953.02
Mn 257.610	0.3044	ppb	0.0233	7.7	121.556
Mo 202.032	0.3253	ppb	0.2435	74.8	8.6206
Na 330.237	35226.4	ppb	250.083	0.7	1606.05
Ni 231.604	-0.3691	ppb	0.2342	63.4	-6.7891
Pb 220.353	0.0906	ppb	1.2301	1357.1	9.6298
Sb 206.834	0.8462	ppb	1.8032	213.1	-4.4460
Se 196.026	3.1214	ppb	2.0174	64.6	2.2372
Sn 189.925	-0.3822	ppb	1.3092	342.5	-6.0272
Sr 216.596	1.0007	ppb	0.1395	13.9	19.2433
Ti 334.941	0.0047	ppb	0.0149	315.3	-26.5727
Tl 190.794	-0.0037	ppb	1.2956	34710.8	-7.6927
V 292.401	-0.0316	ppb	0.1737	549.9	-12.4435
Zn 206.200	3.6243	ppb	0.9688	26.7	4.2230

400-96877-a-1-dPDS (Samp) **10/17/2014, 5:25:58 PM** **Rack 1, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	99.3512	99.7978	99.7168
Al 308.215	981.582	985.568	979.685
As 188.980	101.509	97.1930	100.871
B 249.678	202.128	204.536	204.327
Ba 389.178	89.9345	89.9722	89.9813
Be 313.042	96.9511	97.2693	96.8709
Ca 370.602	15708	15783	15776
Cd 226.502	99.7451	100.231	99.7023
Co 228.615	97.4569	98.3397	97.8220
Cr 267.716	101.370	101.646	101.304
Cu 324.754	143.343	143.827	143.753
Fe 271.441	9773.81	9792.50	9752.04
K 766.491	12921.6	12951.7	12948.3
Mg 279.078	28588.3	28605.2	28628.1
Mn 257.610	991.092	997.604	995.068
Mo 202.032	94.9502	96.0009	95.1966
Na 330.237	206843x	207203x	206865x
Ni 231.604	97.6656	98.7046	99.6049
Pb 220.353	101.306	100.721	99.2367
Sb 206.834	101.751	100.086	97.7493
Se 196.026	103.949	96.0874	93.1299
Sn 189.925	97.1239	98.7659	98.6396
Sr 216.596	105.716	106.402	104.650
Ti 334.941	98.0546	98.3098	97.9892

Label	Replicates Concentration		
Tl 190.794	18.5138	14.6991	16.9825
V 292.401	96.8255	97.1027	96.6192
Zn 206.200	114.251	113.256	114.746

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	99.6219b	ppb	0.2379	0.2	8494.59
Al 308.215	982.278b	ppb	3.0028	0.3	7219.32
As 188.980	99.8576b	ppb	2.3295	2.3	61.8985
B 249.678	203.664b	ppb	1.3342	0.7	3424.09
Ba 389.178	89.9626b	ppb	0.0248	0.0	1900.68
Be 313.042	97.0304b	ppb	0.2107	0.2	175314
Ca 370.602	15756b	ppb	41.46	0.3	45670
Cd 226.502	99.8929b	ppb	0.2938	0.3	4256.79
Co 228.615	97.8729b	ppb	0.4436	0.5	1157.36
Cr 267.716	101.440b	ppb	0.1818	0.2	5631.27
Cu 324.754	143.641b	ppb	0.2608	0.2	10895.0
Fe 271.441	9772.79b	ppb	20.2510	0.2	15426.1
K 766.491	12940.5b	ppb	16.4964	0.1	579869
Mg 279.078	28607.2b	ppb	19.9777	0.1	77928.9
Mn 257.610	994.588b	ppb	3.2824	0.3	195880
Mo 202.032	95.3825b	ppb	0.5495	0.6	658.702
Na 330.237	206970xb	ppb	201.960	0.1	9306.04
Ni 231.604	98.6584b	ppb	0.9705	1.0	303.517
Pb 220.353	100.421b	ppb	1.0668	1.1	168.537
Sb 206.834	99.8621b	ppb	2.0102	2.0	136.863
Se 196.026	97.7221b	ppb	5.5917	5.7	47.0947
Sn 189.925	98.1765b	ppb	0.9137	0.9	68.6861
Sr 216.596	105.589b	ppb	0.8826	0.8	1327.46
Ti 334.941	98.1179b	ppb	0.1694	0.2	28601.1
Tl 190.794	16.7318b	ppb	1.9197	11.5	10.3478
V 292.401	96.8491b	ppb	0.2426	0.3	2502.21
Zn 206.200	114.084b	ppb	0.7587	0.7	124.823

400-96877-a-1-e ms (Samp) **10/17/2014, 5:30:14 PM** **Rack 1, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	20.8056	21.1247	20.9863
Al 308.215	2039.35	2038.03	2039.20
As 188.980	39.1841	37.6056	37.7924
B 249.678	93.8055	93.0525	94.3093
Ba 389.178	48.2850	48.6796	49.4377
Be 313.042	20.5538	20.5260	20.5454
Ca 370.602	8071	8024	8058
Cd 226.502	21.0836	20.9732	20.7920
Co 228.615	19.9180	20.2854	20.2758
Cr 267.716	43.3921	43.0311	43.5516
Cu 324.754	84.0963	85.6610	86.3197
Fe 271.441	2045.26	2038.52	2046.79
K 766.491	3282.52	3314.82	3326.66
Mg 279.078	20656.7	20648.1	20656.8
Mn 257.610	208.615	208.023	208.610
Mo 202.032	40.4267	40.9288	39.6520
Na 330.237	194029x	196616x	196567x

Label	Replicates Concentration		
Ni 231.604	41.8617	40.4155	40.3641
Pb 220.353	203.712	204.367	205.793
Sb 206.834	20.5959	22.0072	17.7370
Se 196.026	47.7652	44.1906	38.5470
Sn 189.925	78.4205	86.0157	82.0260
Sr 216.596	47.7351	47.8189	47.1576
Ti 334.941	40.5507	40.6184	40.8200
Tl 190.794	16.4792	16.8259	15.5458
V 292.401	40.8197	40.5791	40.7623
Zn 206.200	53.4131	54.2504	52.9816

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.9722b	ppb	0.1600	0.8	1781.77
Al 308.215	2038.86b	ppb	0.7207	0.0	14280.9
As 188.980	38.1940b	ppb	0.8625	2.3	20.4764
B 249.678	93.7225b	ppb	0.6325	0.7	1603.52
Ba 389.178	48.8008b	ppb	0.5858	1.2	999.272
Be 313.042	20.5417b	ppb	0.0143	0.1	36908.5
Ca 370.602	8051b	ppb	24.12	0.3	23371
Cd 226.502	20.9496b	ppb	0.1472	0.7	899.505
Co 228.615	20.1597b	ppb	0.2094	1.0	243.677
Cr 267.716	43.3249b	ppb	0.2666	0.6	2425.05
Cu 324.754	85.3590b	ppb	1.1421	1.3	6571.00
Fe 271.441	2043.52b	ppb	4.3979	0.2	3238.54
K 766.491	3308.00b	ppb	22.8475	0.7	148413
Mg 279.078	20653.9b	ppb	4.9603	0.0	56280.1
Mn 257.610	208.416b	ppb	0.3404	0.2	41177.1
Mo 202.032	40.3358b	ppb	0.6432	1.6	282.344
Na 330.237	195737xb	ppb	1479.89	0.8	8805.33
Ni 231.604	40.8804b	ppb	0.8502	2.1	122.345
Pb 220.353	204.624b	ppb	1.0641	0.5	332.217
Sb 206.834	20.1134b	ppb	2.1756	10.8	22.9587
Se 196.026	43.5009b	ppb	4.6476	10.7	21.3121
Sn 189.925	82.1541b	ppb	3.7992	4.6	56.5453
Sr 216.596	47.5705b	ppb	0.3600	0.8	599.182
Ti 334.941	40.6630b	ppb	0.1400	0.3	11841.4
Tl 190.794	16.2836b	ppb	0.6620	4.1	10.3429
V 292.401	40.7204b	ppb	0.1256	0.3	1043.98
Zn 206.200	53.5484b	ppb	0.6451	1.2	58.8494

400-96877-a-1-f msd (Samp) **10/17/2014, 5:34:31 PM** **Rack 1, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	20.6615	20.4380	20.5327
Al 308.215	2018.51	2005.72	2008.62
As 188.980	41.1616	35.7102	39.1572
B 249.678	90.9084	91.8338	92.1125
Ba 389.178	48.2454	47.8958	47.1977
Be 313.042	20.1857	20.0485	20.0980
Ca 370.602	7860	7814	7868
Cd 226.502	20.7323	20.3274	20.4870
Co 228.615	19.8909	19.9452	20.2094
Cr 267.716	42.5044	42.3654	42.3964

Label	Replicates Concentration		
Cu 324.754	85.8886	84.0053	84.8694
Fe 271.441	2012.17	1987.80	2000.88
K 766.491	3311.13	3292.74	3312.36
Mg 279.078	20231.8	20127.6	20170.8
Mn 257.610	204.396	203.479	204.892
Mo 202.032	39.6403	38.7473	39.6716
Na 330.237	193254x	190547x	191986x
Ni 231.604	40.5832	40.9444	39.9528
Pb 220.353	199.856	197.692	200.163
Sb 206.834	22.6919	22.3300	21.6527
Se 196.026	42.6966	39.2495	45.4921
Sn 189.925	81.1782	80.5693	79.5326
Sr 216.596	45.9074	45.6810	46.1060
Ti 334.941	40.1429	39.7671	39.9565
Tl 190.794	15.5833	15.6575	15.2598
V 292.401	40.2087	40.0909	40.4177
Zn 206.200	54.9405	54.9626	55.3254

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.5441b	ppb	0.1122	0.5	1745.28
Al 308.215	2010.95b	ppb	6.7046	0.3	14093.5
As 188.980	38.6763b	ppb	2.7573	7.1	20.8012
B 249.678	91.6182b	ppb	0.6303	0.7	1568.46
Ba 389.178	47.7796b	ppb	0.5334	1.1	976.623
Be 313.042	20.1107b	ppb	0.0695	0.3	36128.9
Ca 370.602	7848b	ppb	29.06	0.4	22781
Cd 226.502	20.5155b	ppb	0.2039	1.0	881.070
Co 228.615	20.0152b	ppb	0.1704	0.9	241.986
Cr 267.716	42.4221b	ppb	0.0730	0.2	2375.24
Cu 324.754	84.9211b	ppb	0.9427	1.1	6538.50
Fe 271.441	2000.28b	ppb	12.1948	0.6	3170.40
K 766.491	3305.41b	ppb	10.9875	0.3	148297
Mg 279.078	20176.7b	ppb	52.3174	0.3	54980.4
Mn 257.610	204.256b	ppb	0.7168	0.4	40355.3
Mo 202.032	39.3531b	ppb	0.5249	1.3	275.620
Na 330.237	191929xb	ppb	1354.37	0.7	8634.46
Ni 231.604	40.4935b	ppb	0.5019	1.2	121.132
Pb 220.353	199.237b	ppb	1.3472	0.7	323.722
Sb 206.834	22.2248b	ppb	0.5275	2.4	25.9772
Se 196.026	42.4794b	ppb	3.1270	7.4	20.8299
Sn 189.925	80.4267b	ppb	0.8320	1.0	55.2356
Sr 216.596	45.8981b	ppb	0.2126	0.5	578.372
Ti 334.941	39.9555b	ppb	0.1879	0.5	11634.6
Tl 190.794	15.5002b	ppb	0.2115	1.4	9.4720
V 292.401	40.2391b	ppb	0.1655	0.4	1031.59
Zn 206.200	55.0762b	ppb	0.2161	0.4	60.5330

400-96877-a-2-b (Samp) **10/17/2014, 5:38:48 PM** **Rack 1, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	-0.3375u	-0.4882u	-0.1842u
Al 308.215	1.4003	1.7399	-0.7656u
As 188.980	-0.6676u	-6.9914u	-5.2823u

Label	Replicates Concentration		
B 249.678	10.8724	10.5251	10.4287
Ba 389.178	6.5526	6.0567	6.0340
Be 313.042	-0.0315u	-0.0284u	-0.0239u
Ca 370.602	5937	5943	5901
Cd 226.502	0.0987	0.1873	0.0127
Co 228.615	-0.2336u	-0.7795u	-0.2286u
Cr 267.716	0.5830	0.5278	0.5469
Cu 324.754	11.9727	12.2799	12.1772
Fe 271.441	3.0512	7.0705	6.7499
K 766.491	607.532	604.348	603.482
Mg 279.078	18438.9	18450.0	18380.5
Mn 257.610	-0.4735	-0.4290	-0.5004
Mo 202.032	0.3129	0.7101	0.0929
Na 330.237	2588.08	2760.07	2577.30
Ni 231.604	0.3205	0.4484	0.8267
Pb 220.353	3.4683	0.0455	3.4580
Sb 206.834	0.7810	1.8236	2.2314
Se 196.026	4.5026	1.4592	4.9631
Sn 189.925	-2.9307u	-0.4602u	-1.4097u
Sr 216.596	6.8216	6.7998	6.4500
Ti 334.941	-0.0253	-0.0207	-0.0331
Tl 190.794	-1.7358u	-0.1993u	0.1950
V 292.401	1.3630	1.1267	1.1759
Zn 206.200	3.6402	2.4142	3.9654

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3366	ppb	0.1520	45.2	-36.1481
Al 308.215	0.7915	ppb	1.3592	171.7	608.683
As 188.980	-4.3138	ppb	3.2712	75.8	-8.1288
B 249.678	10.6087	ppb	0.2333	2.2	218.955
Ba 389.178	6.2144	ppb	0.2931	4.7	78.2437
Be 313.042	-0.0279	ppb	0.0038	13.6	-289.325
Ca 370.602	5927	ppb	22.61	0.4	17211
Cd 226.502	0.0996	ppb	0.0873	87.7	13.9956
Co 228.615	-0.4139	ppb	0.3166	76.5	1.9511
Cr 267.716	0.5526	ppb	0.0281	5.1	64.8506
Cu 324.754	12.1433	ppb	0.1564	1.3	1143.10
Fe 271.441	5.6239	ppb	2.2338	39.7	24.8847
K 766.491	605.121	ppb	2.1325	0.4	27347.4
Mg 279.078	18423.2	ppb	37.3163	0.2	50208.7
Mn 257.610	-0.4676	ppb	0.0361	7.7	73.6187
Mo 202.032	0.3720	ppb	0.3128	84.1	8.9382
Na 330.237	2641.82	ppb	102.554	3.9	144.234
Ni 231.604	0.5319	ppb	0.2632	49.5	-3.9701
Pb 220.353	2.3239	ppb	1.9732	84.9	13.1515
Sb 206.834	1.6120	ppb	0.7480	46.4	-3.3518
Se 196.026	3.6416	ppb	1.9040	52.3	2.4821
Sn 189.925	-1.6002	ppb	1.2463	77.9	-6.9600
Sr 216.596	6.6905	ppb	0.2085	3.1	91.5662
Ti 334.941	-0.0264	ppb	0.0063	23.8	-6.7392
Tl 190.794	-0.5801	ppb	1.0202	175.9	-8.3372
V 292.401	1.2219	ppb	0.1247	10.2	20.7062
Zn 206.200	3.3399	ppb	0.8180	24.5	3.9100

400-96877-a-3-b (Samp) **10/17/2014, 5:43:05 PM** **Rack 1, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	-0.2821u	-0.0920u	-0.0281u
Al 308.215	4.4749	5.0893	6.4350
As 188.980	-2.5356u	-3.6575u	0.4546
B 249.678	11.2378	10.4155	10.4705
Ba 389.178	7.8712	8.0121	7.9186
Be 313.042	-0.0270u	-0.0206u	-0.0153u
Ca 370.602	5020	5038	5026
Cd 226.502	0.0849	0.0601	0.1995
Co 228.615	-0.6350u	0.0042	0.0014
Cr 267.716	2.3484	2.1922	2.2992
Cu 324.754	7.3088	7.7002	7.4925
Fe 271.441	0.9505	1.8956	4.7558
K 766.491	784.406	784.003	783.550
Mg 279.078	15201.8	15273.5	15227.5
Mn 257.610	0.8208	0.8748	0.8990
Mo 202.032	0.2658	0.2437	0.1074
Na 330.237	175468x	176222x	175099x
Ni 231.604	1.7600	1.6215	0.7514
Pb 220.353	-0.6994u	4.1075	3.1701
Sb 206.834	1.4812	-1.2572u	0.5624
Se 196.026	3.2902	2.4483	-4.1578u
Sn 189.925	-2.6599u	-0.6707u	0.7306
Sr 216.596	6.3554	6.6468	6.0178
Ti 334.941	-0.1510u	-0.0961u	-0.0372
Tl 190.794	1.0259	-1.9219u	-1.5853u
V 292.401	0.2039	0.2216	0.3371
Zn 206.200	7.2985	6.3160	5.6693

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1341b	ppb	0.1321	98.5	-18.7724
Al 308.215	5.3331b	ppb	1.0025	18.8	639.028
As 188.980	-1.9128b	ppb	2.1256	111.1	-6.5128
B 249.678	10.7079b	ppb	0.4597	4.3	220.600
Ba 389.178	7.9340b	ppb	0.0717	0.9	110.891
Be 313.042	-0.0210b	ppb	0.0059	28.0	-295.613
Ca 370.602	5028b	ppb	9.180	0.2	14605
Cd 226.502	0.1148b	ppb	0.0744	64.8	13.5228
Co 228.615	-0.2098b	ppb	0.3682	175.5	4.3548
Cr 267.716	2.2799b	ppb	0.0799	3.5	163.388
Cu 324.754	7.5005b	ppb	0.1958	2.6	799.034
Fe 271.441	2.5340b	ppb	1.9813	78.2	20.0302
K 766.491	783.987b	ppb	0.4283	0.1	35359.1
Mg 279.078	15234.3b	ppb	36.3501	0.2	41522.0
Mn 257.610	0.8649b	ppb	0.0400	4.6	312.396
Mo 202.032	0.2056b	ppb	0.0858	41.7	7.8008
Na 330.237	175597xb	ppb	572.406	0.3	7903.39
Ni 231.604	1.3777b	ppb	0.5467	39.7	-1.3255
Pb 220.353	2.1928b	ppb	2.5481	116.2	12.9464
Sb 206.834	0.2621b	ppb	1.3937	531.6	-5.2563
Se 196.026	0.5269b	ppb	4.0789	774.1	1.0163
Sn 189.925	-0.8667b	ppb	1.7037	196.6	-6.3501
Sr 216.596	6.3400b	ppb	0.3148	5.0	86.8408

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	-0.0948b	ppb	0.0569	60.0	-45.9795
Tl 190.794	-0.8271b	ppb	1.6135	195.1	-8.6131
V 292.401	0.2542b	ppb	0.0723	28.5	-5.9326
Zn 206.200	6.4279b	ppb	0.8204	12.8	7.2975

Cont Calib Verif (CCV) **10/17/2014, 5:47:21 PM** **Rack 1, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	494.657	489.425	493.120
Al 308.215	4800.22	4794.63	4797.49
As 188.980	462.258	466.387	467.289
B 249.678	483.079	484.485	486.818
Ba 389.178	4945.84	4937.93	4946.17
Be 313.042	488.431	487.297	489.346
Ca 370.602	4755	4746	4748
Cd 226.502	498.861	498.946	499.098
Co 228.615	492.015	489.567	492.604
Cr 267.716	4880.20	4877.01	4888.84
Cu 324.754	5026.25	4990.19	4945.63
Fe 271.441	4859.03	4843.82	4866.90
K 766.491	10112.1	10131.0	10114.9
Mg 279.078	4822.49	4828.38	4829.50
Mn 257.610	4901.52	4879.11	4870.42
Mo 202.032	483.160	483.704	487.115
Na 330.237	7511.59	7534.78	7409.84
Ni 231.604	2496.87	2488.56	2490.33
Pb 220.353	495.995	499.154	502.195
Sb 206.834	918.678	928.853	931.337
Se 196.026	4915.21	4893.47	4884.19
Sn 189.925	4896.23	4928.28	4869.11
Sr 216.596	2434.37	2433.76	2454.70
Ti 334.941	487.498	487.007	488.413
Tl 190.794	4949.85	4921.44	4938.24
V 292.401	4814.38	4801.71	4813.58
Zn 206.200	2429.31	2434.42	2432.80

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.401	ppb	2.6891	0.5	41966.8	98.48016
Al 308.215	4797.45	ppb	2.7922	0.1	33281.5	95.94894
As 188.980	465.311	ppb	2.6821	0.6	307.816	93.06228
B 249.678	484.794	ppb	1.8887	0.4	8146.13	96.95885
Ba 389.178	4943.31	ppb	4.6665	0.1	106354	98.86625
Be 313.042	488.358	ppb	1.0263	0.2	883659	97.67160
Ca 370.602	4750	ppb	4.766	0.1	14130	95.00039
Cd 226.502	498.968	ppb	0.1200	0.0	21066.8	99.79369
Co 228.615	491.395	ppb	1.6104	0.3	5787.30	98.27905
Cr 267.716	4882.02	ppb	6.1187	0.1	268790	97.64037
Cu 324.754	4987.36	ppb	40.3867	0.8	369802	99.74720
Fe 271.441	4856.58	ppb	11.7347	0.2	7777.24	97.13162
K 766.491	10119.3	ppb	10.2023	0.1	453504	101.19341
Mg 279.078	4826.79	ppb	3.7673	0.1	13066.9	96.53582
Mn 257.610	4883.68	ppb	16.0485	0.3	960614	97.67368
Mo 202.032	484.660	ppb	2.1437	0.4	3318.22	96.93193

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	7485.40	ppb	66.4583	0.9	303.092	99.80540
Ni 231.604	2491.92	ppb	4.3754	0.2	7787.06	99.67671
Pb 220.353	499.115	ppb	3.1001	0.6	800.685	99.82295
Sb 206.834	926.289	ppb	6.7075	0.7	1366.86	92.62894
Se 196.026	4897.62	ppb	15.9238	0.3	2307.21	97.95248
Sn 189.925	4897.87	ppb	29.6184	0.6	3704.44	97.95747
Sr 216.596	2440.95	ppb	11.9191	0.5	30147.9	97.63785
Ti 334.941	487.640	ppb	0.7136	0.1	142102	97.52792
Tl 190.794	4936.51	ppb	14.2800	0.3	5522.82	98.73020
V 292.401	4809.89	ppb	7.0956	0.1	125339	96.19783
Zn 206.200	2432.18	ppb	2.6080	0.1	2657.03	97.28709

Cont Calib Blank (CCB) **10/17/2014, 5:51:36 PM** **Rack 1, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.2281	-0.1512u	0.1485
Al 308.215	-3.9171u	-3.9810u	-4.2496u
As 188.980	0.9157	-0.2489u	0.0476
B 249.678	7.9532	7.2891	6.6243
Ba 389.178	1.0696	1.1753	1.3595
Be 313.042	0.0164	0.0113	0.0283
Ca 370.602	5.260	6.818	7.467
Cd 226.502	0.2090	0.2334	0.2771
Co 228.615	0.4292	0.0858	0.1314
Cr 267.716	0.5962	0.6532	0.8452
Cu 324.754	0.5032	0.7204	0.6893
Fe 271.441	-0.2615u	0.7830	-2.8811u
K 766.491	2.0524	2.2533	2.3446
Mg 279.078	1.4069	1.5952	2.0552
Mn 257.610	0.7064	0.7054	0.9385
Mo 202.032	1.0133	0.8663	0.9978
Na 330.237	68.4123	-124.143u	20.8592
Ni 231.604	0.1302	-0.3354u	0.2702
Pb 220.353	0.6941	1.5513	0.7950
Sb 206.834	3.3534	5.4935	-0.2019u
Se 196.026	-2.8588u	7.6732	-8.4546u
Sn 189.925	-0.2826u	2.5107	3.4863
Sr 216.596	-0.0373u	0.0475	0.3402
Ti 334.941	0.1252	0.1507	0.1584
Tl 190.794	2.0852	4.8067	2.2675
V 292.401	0.6272	0.0544	0.8470
Zn 206.200	0.0584	1.0596	0.7314

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0752	ppb	0.2000	266.2	-0.4210	0.07515
Al 308.215	-4.0492	ppb	0.1764	4.4	576.184	-4.04921
As 188.980	0.2381	ppb	0.6052	254.2	-5.0654	0.23814
B 249.678	7.2889	ppb	0.6644	9.1	163.508	7.28886
Ba 389.178	1.2015	ppb	0.1467	12.2	-54.7299	1.20146
Be 313.042	0.0187	ppb	0.0087	46.6	-206.268	0.01866
Ca 370.602	6.515	ppb	1.134	17.4	39.35	6.51517
Cd 226.502	0.2398	ppb	0.0345	14.4	19.6221	0.23983
Co 228.615	0.2155	ppb	0.1865	86.5	9.3294	0.21548

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	0.6982	ppb	0.1305	18.7	72.8193	0.69820
Cu 324.754	0.6376	ppb	0.1175	18.4	290.453	0.63760
Fe 271.441	-0.7866	ppb	1.8876	240.0	14.8665	-0.78656
K 766.491	2.2168	ppb	0.1495	6.7	342.422	2.21676
Mg 279.078	1.6858	ppb	0.3335	19.8	28.0686	1.68579
Mn 257.610	0.7835	ppb	0.1343	17.1	190.359	0.78345
Mo 202.032	0.9591	ppb	0.0808	8.4	12.9583	0.95912
Na 330.237	-11.6237	ppb	100.303	862.9	25.2484	-11.62375
Ni 231.604	0.0217	ppb	0.3170	1464.2	-5.5685	0.02165
Pb 220.353	1.0135	ppb	0.4685	46.2	11.0838	1.01346
Sb 206.834	2.8817	ppb	2.8768	99.8	-1.5480	2.88167
Se 196.026	-1.2134	ppb	8.1888	674.9	0.1969	-1.21340
Sn 189.925	1.9048	ppb	1.9561	102.7	-4.3058	1.90480
Sr 216.596	0.1168	ppb	0.1981	169.6	7.8259	0.11678
Ti 334.941	0.1448	ppb	0.0174	12.0	10.5111	0.14476
Tl 190.794	3.0531	ppb	1.5214	49.8	-4.2735	3.05311
V 292.401	0.5095	ppb	0.4092	80.3	1.7955	0.50955
Zn 206.200	0.6165	ppb	0.5104	82.8	0.9173	0.61647

460-84264-r-1-b (Samp) **10/17/2014, 5:55:51 PM** **Rack 1, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-0.0508u	-0.0339u	-0.0732u
Al 308.215	-3.8694u	0.7511	-3.4229u
As 188.980	-3.4026u	-3.7568u	-5.1671u
B 249.678	256.830	258.250	259.784
Ba 389.178	60.7045	60.6234	59.9162
Be 313.042	-0.0271u	-0.0219u	-0.0239u
Ca 370.602	15871	15909	15849
Cd 226.502	-0.0187u	0.1432	0.0982
Co 228.615	-0.1995u	-0.3650u	-0.4390u
Cr 267.716	0.1766	0.1206	0.1205
Cu 324.754	41.8618	42.1750	42.1196
Fe 271.441	14.4210	13.5084	5.8169
K 766.491	5345.29	5354.69	5353.70
Mg 279.078	3988.34	4009.09	3992.50
Mn 257.610	1.4952	1.5223	1.4361
Mo 202.032	0.4219	-0.1413u	0.6556
Na 330.237	43138.8	43499.1	43506.9
Ni 231.604	1.8332	1.0032	2.7259
Pb 220.353	0.7762	3.3947	3.6367
Sb 206.834	0.9373	1.8025	2.8592
Se 196.026	5.3911	5.8181	-1.8792u
Sn 189.925	-1.6207u	-2.8956u	1.2406
Sr 216.596	1013.78	1018.39	1014.40
Ti 334.941	0.0383	0.0657	0.0141
Tl 190.794	-0.2578u	1.1472	1.1858
V 292.401	0.0610	-0.1195u	-0.0378u
Zn 206.200	5.4518	8.4000	7.3286

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0527	ppb	0.0197	37.4	-47.5019
Al 308.215	-2.1804	ppb	2.5485	116.9	-588.652

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-4.1088	ppb	0.9334	22.7	-7.9909
B 249.678	258.288	ppb	1.4777	0.6	4358.16
Ba 389.178	60.4147	ppb	0.4336	0.7	1225.39
Be 313.042	-0.0243	ppb	0.0026	10.8	-283.284
Ca 370.602	15876	ppb	30.61	0.2	46068
Cd 226.502	0.0742	ppb	0.0836	112.6	12.4684
Co 228.615	-0.3345	ppb	0.1226	36.7	2.8877
Cr 267.716	0.1392	ppb	0.0323	23.2	42.9100
Cu 324.754	42.0522	ppb	0.1671	0.4	3359.63
Fe 271.441	11.2488	ppb	4.7262	42.0	33.7407
K 766.491	5351.23	ppb	5.1654	0.1	239933
Mg 279.078	3996.64	ppb	10.9758	0.3	10910.4
Mn 257.610	1.4845	ppb	0.0440	3.0	356.409
Mo 202.032	0.3120	ppb	0.4096	131.3	8.5292
Na 330.237	43381.6	ppb	210.323	0.5	1971.84
Ni 231.604	1.8541	ppb	0.8615	46.5	0.1649
Pb 220.353	2.6025	ppb	1.5862	60.9	13.5909
Sb 206.834	1.8663	ppb	0.9625	51.6	-2.9923
Se 196.026	3.1100	ppb	4.3260	139.1	2.2322
Sn 189.925	-1.0919	ppb	2.1182	194.0	-6.5623
Sr 216.596	1015.52	ppb	2.5039	0.2	12581.2
Ti 334.941	0.0394	ppb	0.0258	65.6	-16.4368
Tl 190.794	0.6918	ppb	0.8226	118.9	-6.9156
V 292.401	-0.0321	ppb	0.0904	281.4	-12.4873
Zn 206.200	7.0602	ppb	1.4923	21.1	7.9991

460-84264-q-2-b (Samp) **10/17/2014, 6:00:06 PM** **Rack 1, Tube 52**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0058u	-0.1381u	0.0186u
Al 308.215	-1.6232u	-1.3671u	-2.3053u
As 188.980	-3.1168u	2.0535	0.0183
B 249.678	265.621	267.179	266.512
Ba 389.178	62.6440	61.3409	61.4075
Be 313.042	-0.0335u	-0.0306u	-0.0315u
Ca 370.602	16485	16344	16335
Cd 226.502	0.1817	0.1443	0.0651
Co 228.615	-0.2180u	0.0601	-0.2841u
Cr 267.716	0.1251	0.2360	0.2268
Cu 324.754	56.8880	57.2773	57.3015
Fe 271.441	10.3041	12.0211	12.0907
K 766.491	5422.25	5468.83	5489.69
Mg 279.078	4144.86	4125.32	4126.42
Mn 257.610	1.3633	1.4287	1.4336
Mo 202.032	0.3006	0.5596	0.0454
Na 330.237	44792.3	44894.1	44721.3
Ni 231.604	2.1241	2.1409	1.5967
Pb 220.353	2.5338	-0.4612u	1.3615
Sb 206.834	0.5054	0.1040	2.4393
Se 196.026	4.5964	0.5062	2.3479
Sn 189.925	0.2821	2.3842	-3.3677u
Sr 216.596	1063.24	1050.61	1049.04
Ti 334.941	0.0657	0.0204	0.1045

Label	Replicates Concentration		
Tl 190.794	0.8046	-1.3058u	0.7271
V 292.401	-0.2874u	-0.2077u	-0.2430u
Zn 206.200	10.1525	10.4441	7.5866

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0418	ppb	0.0843	201.8	-48.1008
Al 308.215	-1.7652	ppb	0.4849	27.5	591.406
As 188.980	-0.3483	ppb	2.6046	747.7	-5.4599
B 249.678	266.437	ppb	0.7812	0.3	4494.33
Ba 389.178	61.7974	ppb	0.7339	1.2	1255.35
Be 313.042	-0.0319	ppb	0.0015	4.7	-296.869
Ca 370.602	16388	ppb	84.12	0.5	47552
Cd 226.502	0.1304	ppb	0.0596	45.7	14.8327
Co 228.615	-0.1473	ppb	0.1827	124.0	5.0899
Cr 267.716	0.1960	ppb	0.0615	31.4	46.0625
Cu 324.754	57.1556	ppb	0.2320	0.4	4478.94
Fe 271.441	11.4720	ppb	1.0120	8.8	34.1170
K 766.491	5460.26	ppb	34.5295	0.6	244816
Mg 279.078	4132.20	ppb	10.9753	0.3	11279.7
Mn 257.610	1.4085	ppb	0.0392	2.8	342.466
Mo 202.032	0.3019	ppb	0.2571	85.2	8.4598
Na 330.237	44802.6	ppb	86.8691	0.2	2035.54
Ni 231.604	1.9539	ppb	0.3095	15.8	0.4766
Pb 220.353	1.1447	ppb	1.5092	131.8	11.2924
Sb 206.834	1.0162	ppb	1.2487	122.9	-4.2034
Se 196.026	2.4835	ppb	2.0485	82.5	1.9373
Sn 189.925	-0.2338	ppb	2.9105	1244.9	-5.9119
Sr 216.596	1054.30	ppb	7.7854	0.7	13061.3
Ti 334.941	0.0635	ppb	0.0421	66.2	-9.2328
Tl 190.794	0.0753	ppb	1.1967	1589.1	-7.6044
V 292.401	-0.2460	ppb	0.0400	16.2	-18.0696
Zn 206.200	9.3944	ppb	1.5724	16.7	10.5639

460-84264-q-3-b (Samp) **10/17/2014, 6:04:21 PM** **Rack 1, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	-0.1021u	-0.0082u	0.0306u
Al 308.215	1.1657	-1.2240u	-1.0850u
As 188.980	-4.7618u	-0.6397u	-2.9230u
B 249.678	279.307	280.304	281.413
Ba 389.178	57.7372	59.5766	58.4279
Be 313.042	-0.0356u	-0.0352u	-0.0380u
Ca 370.602	21547	21559	21616
Cd 226.502	0.0856	0.0469	0.1723
Co 228.615	-0.0330u	0.0514	-0.3563u
Cr 267.716	0.6136	0.7580	0.5838
Cu 324.754	36.9015	36.9487	37.0550
Fe 271.441	70.6207	70.6694	75.0247
K 766.491	5296.19	5286.50	5296.80
Mg 279.078	5232.14	5230.17	5238.26
Mn 257.610	4.0407	4.0466	4.0045
Mo 202.032	1.0646	0.5447	0.9866
Na 330.237	46869.6	46675.8	46767.9

Label	Replicates Concentration		
Ni 231.604	2.3970	2.2019	1.5255
Pb 220.353	3.5602	2.1126	1.8496
Sb 206.834	8.2356	-0.1056u	0.7911
Se 196.026	-3.2991u	-0.3012u	-6.8506u
Sn 189.925	4.1014	2.2586	-0.7816u
Sr 216.596	737.240	737.702	737.341
Ti 334.941	0.1014	0.1183	0.1226
Tl 190.794	1.7068	-1.0636u	-0.5554u
V 292.401	-0.1704u	-0.1209u	-0.1697u
Zn 206.200	30.6068	27.6295	29.6997

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0266	ppb	0.0682	256.6	-35.6261
Al 308.215	-0.3811	ppb	1.3414	352.0	600.839
As 188.980	-2.7748	ppb	2.0650	74.4	-7.0936
B 249.678	280.341	ppb	1.0535	0.4	4726.55
Ba 389.178	58.5806	ppb	0.9292	1.6	1187.65
Be 313.042	-0.0362	ppb	0.0015	4.2	-303.136
Ca 370.602	21574	ppb	36.74	0.2	62592
Cd 226.502	0.1016	ppb	0.0642	63.2	13.8576
Co 228.615	-0.1126	ppb	0.2152	191.0	5.4826
Cr 267.716	0.6518	ppb	0.0932	14.3	71.2403
Cu 324.754	36.9684	ppb	0.0786	0.2	2982.94
Fe 271.441	72.1049	ppb	2.5287	3.5	129.666
K 766.491	5293.16	ppb	5.7772	0.1	237332
Mg 279.078	5233.52	ppb	4.2190	0.1	14279.7
Mn 257.610	4.0306	ppb	0.0228	0.6	866.238
Mo 202.032	0.8653	ppb	0.2804	32.4	12.3134
Na 330.237	46771.1	ppb	96.9794	0.2	2123.37
Ni 231.604	2.0415	ppb	0.4574	22.4	0.7556
Pb 220.353	2.5075	ppb	0.9211	36.7	13.4451
Sb 206.834	2.9737	ppb	4.5789	154.0	-1.4134
Se 196.026	-3.4836	ppb	3.2786	94.1	-0.8701
Sn 189.925	1.8595	ppb	2.4658	132.6	-4.3256
Sr 216.596	737.428	ppb	0.2427	0.0	9141.95
Ti 334.941	0.1141	ppb	0.0112	9.8	7.3477
Tl 190.794	0.0293	ppb	1.4748	5039.1	-7.6650
V 292.401	-0.1536	ppb	0.0284	18.5	-15.7673
Zn 206.200	29.3120	ppb	1.5261	5.2	32.4456

460-84264-q-4-b (Samp) **10/17/2014, 6:08:37 PM** **Rack 1, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1555u	0.0188	0.0730
Al 308.215	-4.6349u	-1.4768u	-3.5146u
As 188.980	-1.6833u	-3.3970u	-4.6027u
B 249.678	6.1904	5.4787	4.8654
Ba 389.178	0.5048	0.2408	0.2223
Be 313.042	-0.0283u	-0.0259u	-0.0321u
Ca 370.602	38.68	34.31	30.71
Cd 226.502	0.1319	0.1590	0.0911
Co 228.615	-0.1276u	0.0040	0.0877
Cr 267.716	0.0395	0.1486	-0.0232u

Label	Replicates Concentration		
Cu 324.754	0.5434	0.2547	0.6033
Fe 271.441	-1.6921u	0.1632	5.7770
K 766.491	5.2594	5.0014	5.0568
Mg 279.078	8.3724	8.5534	6.2613
Mn 257.610	0.1193	0.1585	0.1158
Mo 202.032	0.1311	0.6608	0.3719
Na 330.237	91.0160	99.3044	-64.0119u
Ni 231.604	0.3300	0.8643	0.2981
Pb 220.353	-2.3576u	0.1549	-1.2946u
Sb 206.834	-1.5543u	-0.1678u	0.1858
Se 196.026	-3.3215u	-0.9433u	-7.2902u
Sn 189.925	1.4748	0.0675	1.7945
Sr 216.596	0.5812	0.0037	0.0681
Ti 334.941	0.0400	0.0544	0.0327
Tl 190.794	-0.9136u	-0.8619u	2.1445
V 292.401	0.1164	0.0530	0.2136
Zn 206.200	5.2377	4.3718	4.1734

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0212	ppb	0.1194	562.1	-8.6495
Al 308.215	-3.2088	ppb	1.6011	49.9	581.729
As 188.980	-3.2277	ppb	1.4670	45.5	-7.3978
B 249.678	5.5115	ppb	0.6631	12.0	133.774
Ba 389.178	0.3226	ppb	0.1580	49.0	-73.6442
Be 313.042	-0.0288	ppb	0.0031	10.8	-292.006
Ca 370.602	34.57	ppb	3.988	11.5	120.6
Cd 226.502	0.1273	ppb	0.0342	26.8	14.8820
Co 228.615	-0.0120	ppb	0.1085	905.6	6.6705
Cr 267.716	0.0550	ppb	0.0869	158.2	37.4095
Cu 324.754	0.4671	ppb	0.1864	39.9	277.803
Fe 271.441	1.4160	ppb	3.8890	274.6	18.2784
K 766.491	5.1059	ppb	0.1358	2.7	471.829
Mg 279.078	7.7290	ppb	1.2743	16.5	44.5434
Mn 257.610	0.1312	ppb	0.0237	18.1	62.1080
Mo 202.032	0.3879	ppb	0.2652	68.4	9.0491
Na 330.237	42.1028	ppb	91.9914	218.5	27.5704
Ni 231.604	0.4975	ppb	0.3181	63.9	-4.0792
Pb 220.353	-1.1658	ppb	1.2612	108.2	7.6483
Sb 206.834	-0.5121	ppb	0.9197	179.6	-6.3900
Se 196.026	-3.8517	ppb	3.2065	83.2	-1.0450
Sn 189.925	1.1122	ppb	0.9188	82.6	-4.9061
Sr 216.596	0.2177	ppb	0.3165	145.4	9.0603
Ti 334.941	0.0424	ppb	0.0110	26.1	-19.3206
Tl 190.794	0.1230	ppb	1.7508	1423.3	-7.5509
V 292.401	0.1277	ppb	0.0809	63.4	-8.0529
Zn 206.200	4.5943	ppb	0.5660	12.3	5.2903

460-84262-q-1-b (Samp) **10/17/2014, 6:12:52 PM** **Rack 1, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	0.1193u	0.0797u	-0.2306u
Al 308.215	-0.1498u	-1.7202u	-0.9469u
As 188.980	-8.5343u	-8.3110u	-2.2946u

Label	Replicates Concentration		
B 249.678	331.130	333.277	335.528
Ba 389.178	128.599	127.775	127.423
Be 313.042	-0.0445u	-0.0363u	-0.0390u
Ca 370.602	38121	38073	38280
Cd 226.502	-0.0148u	-0.0447u	0.0789
Co 228.615	0.0112	0.0547	-0.4838u
Cr 267.716	0.5840	0.5667	0.6210
Cu 324.754	206.981	205.066	206.894
Fe 271.441	27.1481	24.0771	21.7031
K 766.491	7613.13	7618.22	7628.37
Mg 279.078	7677.29	7683.20	7696.43
Mn 257.610	18.9212	18.8571	18.9533
Mo 202.032	0.8438	-0.0435u	0.0371
Na 330.237	29127.1	29396.0	29317.7
Ni 231.604	0.7736	1.5019	1.0753
Pb 220.353	2.6300	1.6075	1.9038
Sb 206.834	-0.6359u	-1.9571u	2.3675
Se 196.026	-5.5091u	0.5063	-5.3476u
Sn 189.925	2.0315	0.0027	2.3138
Sr 216.596	1475.96	1475.30	1473.07
Ti 334.941	0.0995	0.0711	0.0633
Tl 190.794	-0.7747u	2.4232	-1.2385u
V 292.401	-0.3083u	-0.3052u	-0.4384u
Zn 206.200	28.4194	28.3362	28.7409

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0105	ppb	0.1916	1823.3	-60.1164
Al 308.215	-0.9390	ppb	0.7852	83.6	596.968
As 188.980	-6.3800	ppb	3.5398	55.5	-9.5195
B 249.678	333.312	ppb	2.1993	0.7	5611.89
Ba 389.178	127.932	ppb	0.6040	0.5	2683.83
Be 313.042	-0.0399	ppb	0.0042	10.5	-302.284
Ca 370.602	38158	ppb	108.3	0.3	110695
Cd 226.502	0.0065	ppb	0.0645	995.4	9.7929
Co 228.615	-0.1393	ppb	0.2991	214.8	5.1868
Cr 267.716	0.5906	ppb	0.0277	4.7	67.5871
Cu 324.754	206.314	ppb	1.0810	0.5	15532.9
Fe 271.441	24.3094	ppb	2.7299	11.2	54.3529
K 766.491	7619.91	ppb	7.7574	0.1	341550
Mg 279.078	7685.64	ppb	9.8020	0.1	20959.0
Mn 257.610	18.9106	ppb	0.0490	0.3	3810.02
Mo 202.032	0.2792	ppb	0.4907	175.8	8.3037
Na 330.237	29280.3	ppb	138.276	0.5	1338.70
Ni 231.604	1.1169	ppb	0.3659	32.8	-2.1402
Pb 220.353	2.0471	ppb	0.5261	25.7	12.7199
Sb 206.834	-0.0751	ppb	2.2162	2949.2	-5.7571
Se 196.026	-3.4501	ppb	3.4274	99.3	-0.8512
Sn 189.925	1.4493	ppb	1.2607	87.0	-4.6416
Sr 216.596	1474.78	ppb	1.5176	0.1	18274.1
Ti 334.941	0.0780	ppb	0.0190	24.4	2.4768
Tl 190.794	0.1366	ppb	1.9937	1459.3	-7.5277
V 292.401	-0.3506	ppb	0.0760	21.7	-20.6692
Zn 206.200	28.4988	ppb	0.2137	0.7	31.5546

460-84262-r-2-b (Samp) **10/17/2014, 6:17:08 PM** **Rack 1, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	-0.0706u	-0.3577u	0.1513u
Al 308.215	0.8856	1.8598	1.1238
As 188.980	0.0696	-0.6982u	-0.2633u
B 249.678	264.387	265.309	265.672
Ba 389.178	179.154	179.682	179.148
Be 313.042	-0.0277u	-0.0376u	-0.0315u
Ca 370.602	44681	44766	44793
Cd 226.502	0.0607	0.2723	0.0855
Co 228.615	-0.1715u	-0.2435u	-0.5051u
Cr 267.716	0.2373	0.0918	0.2071
Cu 324.754	4.9725	5.5796	5.2739
Fe 271.441	1518.57	1528.22	1523.85
K 766.491	6829.84	6843.76	6842.76
Mg 279.078	8633.71	8647.08	8656.32
Mn 257.610	36.5577	36.5943	36.7324
Mo 202.032	-0.5092u	-0.1233u	0.4498
Na 330.237	20031.5	20059.9	20196.2
Ni 231.604	2.5349	1.7396	1.7004
Pb 220.353	2.8444	1.0908	1.9280
Sb 206.834	0.6298	-1.9553u	1.9514
Se 196.026	5.2353	-0.2793u	8.2639
Sn 189.925	-1.6550u	-0.4133u	-1.3260u
Sr 216.596	1368.17	1367.04	1368.34
Ti 334.941	0.0395	0.1123	0.0814
Tl 190.794	0.5096	-0.6236u	2.1733
V 292.401	-0.4111u	0.0819	-0.1012u
Zn 206.200	19.3868	19.5497	20.3736

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0923	ppb	0.2552	276.4	-63.5847
Al 308.215	1.2897	ppb	0.5078	39.4	614.432
As 188.980	-0.2973	ppb	0.3851	129.5	-5.4355
B 249.678	265.123	ppb	0.6624	0.2	4468.87
Ba 389.178	179.328	ppb	0.3064	0.2	3792.33
Be 313.042	-0.0323	ppb	0.0050	15.4	-284.975
Ca 370.602	44747	ppb	58.77	0.1	129786
Cd 226.502	0.1395	ppb	0.1157	82.9	21.0038
Co 228.615	-0.3067	ppb	0.1756	57.2	3.3316
Cr 267.716	0.1787	ppb	0.0768	43.0	45.5452
Cu 324.754	5.2753	ppb	0.3035	5.8	634.782
Fe 271.441	1523.55	ppb	4.8317	0.3	2416.35
K 766.491	6838.79	ppb	7.7616	0.1	306563
Mg 279.078	8645.70	ppb	11.3662	0.1	23573.9
Mn 257.610	36.6281	ppb	0.0922	0.3	7305.77
Mo 202.032	-0.0609	ppb	0.4826	792.4	5.9054
Na 330.237	20095.9	ppb	88.0677	0.4	926.547
Ni 231.604	1.9916	ppb	0.4709	23.6	0.7254
Pb 220.353	1.9544	ppb	0.8771	44.9	12.6776
Sb 206.834	0.2086	ppb	1.9871	952.5	-5.3036
Se 196.026	4.4066	ppb	4.3314	98.3	2.8651
Sn 189.925	-1.1314	ppb	0.6433	56.9	-6.5995
Sr 216.596	1367.85	ppb	0.7072	0.1	16955.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0777	ppb	0.0366	47.0	5.0575
Tl 190.794	0.6864	ppb	1.4068	205.0	-7.1092
V 292.401	-0.1435	ppb	0.2492	173.7	-14.5735
Zn 206.200	19.7700	ppb	0.5290	2.7	21.8948

460-84262-r-3-b (Samp) **10/17/2014, 6:21:25 PM** **Rack 1, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	0.0632u	0.4746u	-0.1910u
Al 308.215	2.0030	-2.0638u	-0.5408u
As 188.980	-2.8135u	-0.5491u	-4.9585u
B 249.678	319.180	320.680	321.788
Ba 389.178	130.995	131.965	129.801
Be 313.042	-0.0276u	-0.0436u	-0.0340u
Ca 370.602	35306	35088	35109
Cd 226.502	0.2047	0.1022	0.1433
Co 228.615	-0.0192u	-0.5250u	-0.4390u
Cr 267.716	0.0732	0.1783	0.1811
Cu 324.754	22.8293	23.0724	22.8559
Fe 271.441	45.4611	38.0807	39.4035
K 766.491	7160.74	7159.95	7151.29
Mg 279.078	7232.98	7222.17	7226.86
Mn 257.610	30.6065	30.2648	30.3693
Mo 202.032	-0.5580u	0.0283	0.1721
Na 330.237	27572.9	27833.2	27971.8
Ni 231.604	1.5671	-0.1599u	0.6322
Pb 220.353	-1.4212u	-2.6886u	0.4832
Sb 206.834	0.1923	-1.0395u	1.2200
Se 196.026	-2.0809u	-1.7058u	-0.5090u
Sn 189.925	0.2503	-0.3771u	1.1727
Sr 216.596	1455.15	1454.14	1458.42
Ti 334.941	0.1426	0.0901	0.1102
Tl 190.794	-0.2765u	4.4332	-1.4121u
V 292.401	-0.2839u	-0.2361u	-0.2813u
Zn 206.200	6.9040	6.2469	7.2567

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1156	ppb	0.3359	290.6	-48.7785
Al 308.215	-0.2005	ppb	2.0546	1024.6	601.923
As 188.980	-2.7737	ppb	2.2050	79.5	-7.0923
B 249.678	320.549	ppb	1.3090	0.4	5398.56
Ba 389.178	130.921	ppb	1.0841	0.8	2747.57
Be 313.042	-0.0351	ppb	0.0080	23.0	-294.176
Ca 370.602	35168	ppb	120.2	0.3	102021
Cd 226.502	0.1501	ppb	0.0516	34.4	15.9205
Co 228.615	-0.3277	ppb	0.2707	82.6	2.9828
Cr 267.716	0.1442	ppb	0.0615	42.7	43.0408
Cu 324.754	22.9192	ppb	0.1333	0.6	1941.71
Fe 271.441	40.9818	ppb	3.9352	9.6	80.5718
K 766.491	7157.33	ppb	5.2419	0.1	320831
Mg 279.078	7227.34	ppb	5.4208	0.1	19710.3
Mn 257.610	30.4135	ppb	0.1751	0.6	6069.36
Mo 202.032	-0.1192	ppb	0.3868	324.4	5.5762

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	27792.6	ppb	202.534	0.7	1272.50
Ni 231.604	0.6798	ppb	0.8645	127.2	-3.5049
Pb 220.353	-1.2089	ppb	1.5965	132.1	7.5902
Sb 206.834	0.1243	ppb	1.1313	910.4	-5.4710
Se 196.026	-1.4319	ppb	0.8210	57.3	0.1018
Sn 189.925	0.3486	ppb	0.7796	223.6	-5.4760
Sr 216.596	1455.90	ppb	2.2368	0.2	18039.4
Ti 334.941	0.1143	ppb	0.0265	23.2	12.4259
Tl 190.794	0.9149	ppb	3.0994	338.8	-6.6537
V 292.401	-0.2671	ppb	0.0269	10.1	-18.3948
Zn 206.200	6.8025	ppb	0.5125	7.5	7.7147

460-84262-r-4-b (Samp) **10/17/2014, 6:25:41 PM** **Rack 1, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	0.1901u	0.1145u	-0.0692u
Al 308.215	1.8791	-0.7725u	0.8357
As 188.980	-1.3666u	-3.0421u	-2.8718u
B 249.678	327.314	328.543	328.871
Ba 389.178	132.055	134.592	132.798
Be 313.042	-0.0307u	-0.0329u	-0.0364u
Ca 370.602	36607	36685	36591
Cd 226.502	0.0599	0.0036	-0.0714u
Co 228.615	0.1384	0.1302	-0.4087u
Cr 267.716	0.0138	0.0968	0.0401
Cu 324.754	21.6454	21.4435	21.5040
Fe 271.441	35.5147	42.5506	38.3262
K 766.491	7306.43	7323.19	7319.78
Mg 279.078	7438.29	7457.98	7443.43
Mn 257.610	31.0882	30.9188	30.7553
Mo 202.032	-0.2793u	0.6433	0.5453
Na 330.237	28079.9	28247.1	28115.4
Ni 231.604	0.6483	0.9171	0.1328
Pb 220.353	0.7352	0.2474	1.3506
Sb 206.834	2.5752	1.8671	0.3014
Se 196.026	3.4111	3.9138	4.0457
Sn 189.925	2.2659	3.0511	0.1503
Sr 216.596	1500.90	1501.57	1498.87
Ti 334.941	0.0890	0.1011	0.0500
Tl 190.794	-1.6765u	1.2331	-1.7516u
V 292.401	-0.4302u	-0.4921u	-0.0026u
Zn 206.200	6.5376	6.3119	6.4178

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0785	ppb	0.1334	169.9	-52.9987
Al 308.215	0.6475	ppb	1.3358	206.3	607.639
As 188.980	-2.4268	ppb	0.9221	38.0	-6.8590
B 249.678	328.243	ppb	0.8208	0.3	5527.16
Ba 389.178	133.148	ppb	1.3044	1.0	2795.77
Be 313.042	-0.0333	ppb	0.0029	8.6	-290.910
Ca 370.602	36627	ppb	50.11	0.1	106255
Cd 226.502	-0.0026	ppb	0.0659	2515.6	9.4689
Co 228.615	-0.0467	ppb	0.3135	671.4	6.2722

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.0502	ppb	0.0424	84.5	37.8787
Cu 324.754	21.5310	ppb	0.1036	0.5	1838.84
Fe 271.441	38.7972	ppb	3.5415	9.1	77.1802
K 766.491	7316.46	ppb	8.8602	0.1	327959
Mg 279.078	7446.57	ppb	10.2164	0.1	20307.5
Mn 257.610	30.9207	ppb	0.1665	0.5	6170.44
Mo 202.032	0.3031	ppb	0.5068	167.2	8.4667
Na 330.237	28147.5	ppb	88.0790	0.3	1288.40
Ni 231.604	0.5660	ppb	0.3985	70.4	-3.8619
Pb 220.353	0.7777	ppb	0.5528	71.1	10.7215
Sb 206.834	1.5812	ppb	1.1635	73.6	-3.3988
Se 196.026	3.7902	ppb	0.3349	8.8	2.5597
Sn 189.925	1.8224	ppb	1.5004	82.3	-4.3593
Sr 216.596	1500.45	ppb	1.4065	0.1	18591.1
Ti 334.941	0.0800	ppb	0.0267	33.4	2.7004
Tl 190.794	-0.7317	ppb	1.7020	232.6	-8.4945
V 292.401	-0.3083	ppb	0.2665	86.5	-19.5375
Zn 206.200	6.4224	ppb	0.1129	1.8	7.2974

460-84262-r-5-b (Samp) **10/17/2014, 6:29:58 PM** **Rack 1, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	-0.0992u	-0.2822u	-0.0871u
Al 308.215	7.0076	5.8942	7.1459
As 188.980	-5.7540u	-2.9312u	-5.5326u
B 249.678	377.805	379.230	379.154
Ba 389.178	14.9358	13.9798	14.9842
Be 313.042	-0.0223u	-0.0321u	-0.0281u
Ca 370.602	5763	5735	5702
Cd 226.502	0.1508	-0.0666u	0.1144
Co 228.615	-0.0502u	0.2803	-0.4323u
Cr 267.716	0.1157	0.1515	0.2110
Cu 324.754	2.7132	2.9717	3.0004
Fe 271.441	180.920	182.379	179.585
K 766.491	3294.49	3293.20	3281.01
Mg 279.078	1158.33	1164.23	1153.34
Mn 257.610	13.0095	12.9021	12.8542
Mo 202.032	0.8263	0.1246	0.6781
Na 330.237	67968.8	68123.3	67705.5
Ni 231.604	1.3487	1.5110	-0.0453u
Pb 220.353	1.1514	1.0762	0.7463
Sb 206.834	0.3571	2.0337	0.6548
Se 196.026	-0.8196u	2.5959	-2.7502u
Sn 189.925	2.8181	-1.4870u	-3.1827u
Sr 216.596	308.378	307.795	307.595
Ti 334.941	0.2665	0.2312	0.2123
Tl 190.794	0.6548	-1.1597u	-2.8577u
V 292.401	-0.2034u	-0.1162u	-0.2165u
Zn 206.200	2.3350	5.1515	4.4623

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1562	ppb	0.1093	70.0	-31.1017
Al 308.215	6.6826	ppb	0.6862	10.3	648.339

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-4.7393	ppb	1.5697	33.1	-8.4163
B 249.678	378.730	ppb	0.8015	0.2	6370.55
Ba 389.178	14.6333	ppb	0.5664	3.9	236.084
Be 313.042	-0.0275	ppb	0.0049	17.9	-295.139
Ca 370.602	5733	ppb	30.58	0.5	16648
Cd 226.502	0.0662	ppb	0.1164	175.9	12.5754
Co 228.615	-0.0674	ppb	0.3566	529.2	6.0339
Cr 267.716	0.1594	ppb	0.0481	30.2	44.6500
Cu 324.754	2.8951	ppb	0.1582	5.5	457.829
Fe 271.441	180.962	ppb	1.3977	0.8	301.136
K 766.491	3289.57	ppb	7.4407	0.2	147588
Mg 279.078	1158.64	ppb	5.4515	0.5	3179.37
Mn 257.610	12.9219	ppb	0.0795	0.6	2586.18
Mo 202.032	0.5430	ppb	0.3699	68.1	10.1023
Na 330.237	67932.5	ppb	211.256	0.3	3073.31
Ni 231.604	0.9381	ppb	0.8556	91.2	-2.6852
Pb 220.353	0.9913	ppb	0.2155	21.7	11.0637
Sb 206.834	1.0152	ppb	0.8945	88.1	-4.2066
Se 196.026	-0.3246	ppb	2.7072	833.9	0.6199
Sn 189.925	-0.6172	ppb	3.0935	501.2	-6.1950
Sr 216.596	307.923	ppb	0.4069	0.1	3819.84
Ti 334.941	0.2367	ppb	0.0275	11.6	34.0937
Tl 190.794	-1.1209	ppb	1.7566	156.7	-8.9612
V 292.401	-0.1787	ppb	0.0545	30.5	-16.5037
Zn 206.200	3.9829	ppb	1.4682	36.9	4.6097

460-84262-q-6-d (Samp) **10/17/2014, 6:34:16 PM** **Rack 1, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1954	0.0952	-0.1464u
Al 308.215	-0.4028u	-0.3962u	0.8879
As 188.980	-5.3280u	-3.4840u	-3.3116u
B 249.678	8.5303	6.8883	6.6557
Ba 389.178	0.2697	0.4340	0.8556
Be 313.042	-0.0206u	-0.0319u	-0.0234u
Ca 370.602	19.85	20.00	14.36
Cd 226.502	0.0166	0.1132	0.2070
Co 228.615	-0.3632u	0.2325	-0.0811u
Cr 267.716	0.3177	0.2370	0.2268
Cu 324.754	0.4003	0.4585	0.2179
Fe 271.441	70.7733	69.6338	68.7676
K 766.491	3.2872	3.9955	3.4576
Mg 279.078	4.4833	4.9787	6.6390
Mn 257.610	0.3786	0.3911	0.3612
Mo 202.032	0.0868	0.1701	-0.1434u
Na 330.237	90.6642	-51.6004u	152.093
Ni 231.604	1.7132	-0.1999u	0.0779
Pb 220.353	-1.7549u	0.4875	2.1839
Sb 206.834	-0.2630u	2.5021	1.5963
Se 196.026	0.5943	1.1377	-1.4171u
Sn 189.925	2.6203	3.5242	2.5413
Sr 216.596	-0.2271u	0.5534	0.3057
Ti 334.941	0.0359	0.0801	0.0512

Label	Replicates Concentration		
Tl 190.794	1.7200	0.1221	-0.4803u
V 292.401	-0.0784u	-0.1516u	-0.0770u
Zn 206.200	2.2590	4.9343	2.1471

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0481	ppb	0.1757	365.6	-2.7538
Al 308.215	0.0297	ppb	0.7433	2506.5	603.530
As 188.980	-4.0412	ppb	1.1178	27.7	-7.9457
B 249.678	7.3581	ppb	1.0218	13.9	164.475
Ba 389.178	0.5198	ppb	0.3022	58.1	-69.3711
Be 313.042	-0.0253	ppb	0.0059	23.3	-285.659
Ca 370.602	18.07	ppb	3.211	17.8	71.95
Cd 226.502	0.1123	ppb	0.0952	84.8	14.5011
Co 228.615	-0.0706	ppb	0.2980	422.0	5.9936
Cr 267.716	0.2605	ppb	0.0498	19.1	48.7603
Cu 324.754	0.3589	ppb	0.1255	35.0	269.802
Fe 271.441	69.7249	ppb	1.0059	1.4	125.893
K 766.491	3.5801	ppb	0.3697	10.3	403.487
Mg 279.078	5.3670	ppb	1.1291	21.0	38.1032
Mn 257.610	0.3770	ppb	0.0150	4.0	110.609
Mo 202.032	0.0378	ppb	0.1624	429.0	6.6498
Na 330.237	63.7190	ppb	104.486	164.0	28.5626
Ni 231.604	0.5304	ppb	1.0337	194.9	-3.9702
Pb 220.353	0.3055	ppb	1.9757	646.7	9.9732
Sb 206.834	1.2785	ppb	1.4097	110.3	-3.8232
Se 196.026	0.1049	ppb	1.3458	1282.4	0.8180
Sn 189.925	2.8953	ppb	0.5461	18.9	-3.5555
Sr 216.596	0.2107	ppb	0.3988	189.3	9.0628
Ti 334.941	0.0558	ppb	0.0224	40.2	-15.4117
Tl 190.794	0.4539	ppb	1.1371	250.5	-7.1894
V 292.401	-0.1023	ppb	0.0427	41.7	-13.9996
Zn 206.200	3.1135	ppb	1.5779	50.7	3.6592

Cont Calib Verif (CCV) **10/17/2014, 6:38:32 PM** **Rack 2, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	484.935	492.167	487.859
Al 308.215	4761.80	4764.36	4763.29
As 188.980	455.990	458.008	461.253
B 249.678	480.732	481.743	483.837
Ba 389.178	4947.98	4942.67	4941.44
Be 313.042	487.616	487.948	487.994
Ca 370.602	4745	4745	4724
Cd 226.502	498.266	497.521	497.178
Co 228.615	489.285	489.808	487.827
Cr 267.716	4878.34	4880.84	4864.42
Cu 324.754	4840.76	4953.92	4872.42
Fe 271.441	4843.74	4849.13	4837.83
K 766.491	9961.59	9964.16	9922.99
Mg 279.078	4804.27	4803.59	4801.91
Mn 257.610	4854.04	4861.64	4843.35
Mo 202.032	482.335	482.952	481.941
Na 330.237	7288.84	7567.36	7297.37

Label	Replicates Concentration		
Ni 231.604	2482.02	2476.05	2473.26
Pb 220.353	497.811	499.062	494.606
Sb 206.834	924.366	923.709	924.982
Se 196.026	4774.63	4789.49	4777.42
Sn 189.925	4880.58	4856.64	4860.72
Sr 216.596	2461.30	2460.65	2450.28
Ti 334.941	485.890	486.133	485.618
Tl 190.794	4921.39	4924.80	4909.26
V 292.401	4777.91	4781.66	4757.53
Zn 206.200	2431.95	2425.37	2426.39

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.320	ppb	3.6379	0.7	41617.5	97.66408
Al 308.215	4763.15	ppb	1.2862	0.0	33050.1	95.26307
As 188.980	458.417	ppb	2.6556	0.6	303.176	91.68339
B 249.678	482.104	ppb	1.5839	0.3	8101.20	96.42083
Ba 389.178	4944.03	ppb	3.4742	0.1	106369	98.88054
Be 313.042	487.853	ppb	0.2063	0.0	882744	97.57051
Ca 370.602	4738	ppb	12.12	0.3	14095	94.76189
Cd 226.502	497.655	ppb	0.5563	0.1	21011.4	99.53104
Co 228.615	488.973	ppb	1.0267	0.2	5758.87	97.79461
Cr 267.716	4874.53	ppb	8.8510	0.2	268378	97.49068
Cu 324.754	4889.03	ppb	58.3791	1.2	362515	97.78065
Fe 271.441	4843.57	ppb	5.6511	0.1	7756.48	96.87133
K 766.491	9949.58	ppb	23.0651	0.2	445900	99.49581
Mg 279.078	4803.26	ppb	1.2119	0.0	13002.9	96.06514
Mn 257.610	4853.01	ppb	9.1869	0.2	954581	97.06021
Mo 202.032	482.409	ppb	0.5097	0.1	3302.84	96.48184
Na 330.237	7384.53	ppb	158.400	2.1	298.593	98.46034
Ni 231.604	2477.11	ppb	4.4783	0.2	7740.75	99.08443
Pb 220.353	497.160	ppb	2.2983	0.5	797.613	99.43191
Sb 206.834	924.352	ppb	0.6368	0.1	1364.24	92.43523
Se 196.026	4780.51	ppb	7.8965	0.2	2252.09	95.61022
Sn 189.925	4865.98	ppb	12.8113	0.3	3680.28	97.31962
Sr 216.596	2457.41	ppb	6.1807	0.3	30352.1	98.29636
Ti 334.941	485.880	ppb	0.2573	0.1	141590	97.17606
Tl 190.794	4918.48	ppb	8.1649	0.2	5502.63	98.36961
V 292.401	4772.37	ppb	12.9826	0.3	124358	95.44737
Zn 206.200	2427.90	ppb	3.5419	0.1	2652.29	97.11610

Cont Calib Blank (CCB) **10/17/2014, 6:42:48 PM** **Rack 2, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	-0.0099u	0.1868	-0.0278u
Al 308.215	-3.0719u	-5.1364u	-2.4529u
As 188.980	-1.6106u	-4.9832u	-2.9697u
B 249.678	9.2736	8.0113	7.6399
Ba 389.178	1.3088	0.5953	1.0332
Be 313.042	0.0157	0.0225	0.0261
Ca 370.602	3.639	9.597	4.348
Cd 226.502	0.1474	0.0671	0.0754
Co 228.615	-0.6463u	0.0176	-0.0304u
Cr 267.716	0.3884	0.7092	0.8940

Label	Replicates Concentration		
Cu 324.754	0.9205	0.9396	1.0588
Fe 271.441	4.5201	2.1646	6.1234
K 766.491	1.7283	1.5238	1.7422
Mg 279.078	0.5631	0.0749	2.5367
Mn 257.610	0.6611	0.7446	0.8014
Mo 202.032	0.6721	0.7283	0.7324
Na 330.237	-4.8234u	39.4606	-61.7795u
Ni 231.604	0.3289	-0.6074u	0.4651
Pb 220.353	0.2896	0.8569	-1.4710u
Sb 206.834	7.6586	2.2014	1.6731
Se 196.026	1.7283	-3.8191u	5.8797
Sn 189.925	2.9597	-2.2122u	3.9581
Sr 216.596	0.6839	-0.4049u	0.1056
Ti 334.941	0.1451	0.1618	0.1621
Tl 190.794	1.0161	5.1202	0.7506
V 292.401	0.4326	0.8725	0.4165
Zn 206.200	3.6854	-0.0847u	2.6860

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0497	ppb	0.1191	239.6	-2.5924	0.04970
Al 308.215	-3.5537	ppb	1.4052	39.5	579.488	-3.55374
As 188.980	-3.1878	ppb	1.6968	53.2	-7.3711	-3.18781
B 249.678	8.3083	ppb	0.8564	10.3	180.584	8.30826
Ba 389.178	0.9791	ppb	0.3598	36.8	-59.5201	0.97907
Be 313.042	0.0215	ppb	0.0053	24.6	-201.156	0.02145
Ca 370.602	5.861	ppb	3.254	55.5	37.40	5.86148
Cd 226.502	0.0966	ppb	0.0442	45.7	13.5993	0.09659
Co 228.615	-0.2197	ppb	0.3702	168.5	4.2250	-0.21966
Cr 267.716	0.6639	ppb	0.2558	38.5	70.9317	0.66387
Cu 324.754	0.9729	ppb	0.0749	7.7	315.295	0.97294
Fe 271.441	4.2694	ppb	1.9913	46.6	22.7667	4.26937
K 766.491	1.6648	ppb	0.1223	7.3	317.697	1.66477
Mg 279.078	1.0583	ppb	1.3034	123.2	26.3598	1.05826
Mn 257.610	0.7357	ppb	0.0706	9.6	180.961	0.73570
Mo 202.032	0.7109	ppb	0.0337	4.7	11.2593	0.71092
Na 330.237	-9.0474	ppb	50.7521	561.0	25.3327	-9.04742
Ni 231.604	0.0622	ppb	0.5839	938.8	-5.4400	0.06219
Pb 220.353	-0.1082	ppb	1.2139	1122.0	9.3162	-0.10819
Sb 206.834	3.8444	ppb	3.3137	86.2	-0.1681	3.84437
Se 196.026	1.2630	ppb	4.8661	385.3	1.3626	1.26297
Sn 189.925	1.5686	ppb	3.3121	211.2	-4.5605	1.56856
Sr 216.596	0.1282	ppb	0.5447	424.9	7.9554	0.12819
Ti 334.941	0.1563	ppb	0.0098	6.2	13.8880	0.15633
Tl 190.794	2.2956	ppb	2.4497	106.7	-5.1219	2.29565
V 292.401	0.5739	ppb	0.2587	45.1	3.5331	0.57385
Zn 206.200	2.0956	ppb	1.9531	93.2	2.5426	2.09557

460-84262-q-6-e ms (Samp) **10/17/2014, 6:47:03 PM** **Rack 2, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	19.9023	19.5145	19.7011
Al 308.215	1908.32	1912.62	1908.92
As 188.980	40.9337	34.7210	36.4615

Label	Replicates Concentration		
B 249.678	80.7868	80.6052	80.2727
Ba 389.178	40.2499	39.9580	40.4613
Be 313.042	19.8341	19.8946	19.8373
Ca 370.602	1925	1931	1925
Cd 226.502	20.6523	20.4804	20.6230
Co 228.615	20.0401	19.4426	19.5534
Cr 267.716	39.9336	39.9688	40.0811
Cu 324.754	40.5662	40.2460	39.8725
Fe 271.441	1997.77	2003.45	1979.73
K 766.491	2074.95	2073.32	2071.79
Mg 279.078	1955.57	1958.91	1950.61
Mn 257.610	203.690	204.109	202.755
Mo 202.032	38.6757	39.3640	39.1212
Na 330.237	2131.32	2212.32	1947.73
Ni 231.604	41.0844	41.0334	40.2171
Pb 220.353	202.971	202.719	201.711
Sb 206.834	20.4522	21.5611	23.8834
Se 196.026	39.7393	33.9557	44.6424
Sn 189.925	80.7555	79.5124	77.6879
Sr 216.596	39.7521	39.3467	38.8796
Ti 334.941	39.8480	39.8949	39.7326
Tl 190.794	14.8863	13.9528	15.6088
V 292.401	39.2964	39.4148	38.9968
Zn 206.200	42.3459	45.8069	40.6079

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.7059	ppb	0.1940	1.0	1674.32
Al 308.215	1909.95	ppb	2.3293	0.1	13416.4
As 188.980	37.3721	ppb	3.2049	8.6	19.9225
B 249.678	80.5549	ppb	0.2607	0.3	1383.58
Ba 389.178	40.2231	ppb	0.2527	0.6	789.234
Be 313.042	19.8553	ppb	0.0341	0.2	35686.0
Ca 370.602	1927	ppb	3.246	0.2	5608
Cd 226.502	20.5852	ppb	0.0920	0.4	884.870
Co 228.615	19.6787	ppb	0.3179	1.6	238.034
Cr 267.716	39.9945	ppb	0.0770	0.2	2237.82
Cu 324.754	40.2282	ppb	0.3472	0.9	3226.34
Fe 271.441	1993.65	ppb	12.3861	0.6	3159.90
K 766.491	2073.35	ppb	1.5795	0.1	93111.7
Mg 279.078	1955.03	ppb	4.1714	0.2	5344.02
Mn 257.610	203.518	ppb	0.6930	0.3	40083.5
Mo 202.032	39.0536	ppb	0.3491	0.9	273.572
Na 330.237	2097.12	ppb	135.570	6.5	118.359
Ni 231.604	40.7783	ppb	0.4867	1.2	122.022
Pb 220.353	202.467	ppb	0.6668	0.3	328.814
Sb 206.834	21.9656	ppb	1.7510	8.0	25.5854
Se 196.026	39.4458	ppb	5.3494	13.6	19.4016
Sn 189.925	79.3186	ppb	1.5430	1.9	54.3365
Sr 216.596	39.3261	ppb	0.4366	1.1	494.654
Ti 334.941	39.8252	ppb	0.0835	0.2	11579.2
Tl 190.794	14.8160	ppb	0.8302	5.6	8.7074
V 292.401	39.2360	ppb	0.2155	0.5	1006.74
Zn 206.200	42.9202	ppb	2.6466	6.2	47.1841

460-84262-q-6-f msd (Samp) **10/17/2014, 6:51:20 PM** **Rack 2, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	18.3270	18.6479	18.4139
Al 308.215	1705.25	1705.89	1709.78
As 188.980	34.1376	32.4958	34.8514
B 249.678	73.0593	73.1439	73.5753
Ba 389.178	35.7551	36.3204	36.5264
Be 313.042	17.6964	17.6887	17.7257
Ca 370.602	1728	1726	1735
Cd 226.502	18.5021	18.3777	18.7073
Co 228.615	17.2822	17.3300	17.7951
Cr 267.716	35.5676	35.6242	35.5083
Cu 324.754	35.7294	35.4972	35.8018
Fe 271.441	1780.97	1779.96	1790.11
K 766.491	1889.78	1886.62	1890.48
Mg 279.078	1748.52	1749.06	1754.97
Mn 257.610	181.464	181.719	182.955
Mo 202.032	34.6374	34.9398	34.8208
Na 330.237	1651.51	1801.18	1881.93
Ni 231.604	37.4506	36.7308	35.4812
Pb 220.353	185.049	181.709	180.641
Sb 206.834	19.1909	17.9711	22.2894
Se 196.026	38.8630	32.6258	36.4766
Sn 189.925	70.8946	71.4282	70.9314
Sr 216.596	34.7430	35.4839	35.2586
Ti 334.941	35.5342	35.5263	35.6137
Tl 190.794	15.1057	14.7996	17.8175
V 292.401	35.0536	35.2435	35.1618
Zn 206.200	37.2094	41.3069	37.9629

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	18.4630	ppb	0.1660	0.9	1568.30
Al 308.215	1706.97	ppb	2.4531	0.1	12054.7
As 188.980	33.8283	ppb	1.2079	3.6	17.5379
B 249.678	73.2595	ppb	0.2767	0.4	1262.10
Ba 389.178	36.2007	ppb	0.3994	1.1	702.228
Be 313.042	17.7036	ppb	0.0195	0.1	31792.6
Ca 370.602	1730	ppb	5.092	0.3	5036
Cd 226.502	18.5290	ppb	0.1664	0.9	797.398
Co 228.615	17.4691	ppb	0.2833	1.6	212.072
Cr 267.716	35.5667	ppb	0.0579	0.2	1993.88
Cu 324.754	35.6761	ppb	0.1591	0.4	2888.79
Fe 271.441	1783.68	ppb	5.5872	0.3	2828.81
K 766.491	1888.96	ppb	2.0528	0.1	84852.5
Mg 279.078	1750.85	ppb	3.5758	0.2	4788.36
Mn 257.610	182.046	ppb	0.7974	0.4	35858.3
Mo 202.032	34.7994	ppb	0.1523	0.4	244.467
Na 330.237	1778.21	ppb	116.917	6.6	104.211
Ni 231.604	36.5542	ppb	0.9965	2.7	108.798
Pb 220.353	182.466	ppb	2.2991	1.3	297.268
Sb 206.834	19.8171	ppb	2.2262	11.2	22.5299
Se 196.026	35.9885	ppb	3.1471	8.7	17.7673
Sn 189.925	71.0847	ppb	0.2980	0.4	48.0992
Sr 216.596	35.1618	ppb	0.3798	1.1	442.955

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	35.5581	ppb	0.0483	0.1	10335.2
Tl 190.794	15.9076	ppb	1.6611	10.4	9.9466
V 292.401	35.1530	ppb	0.0952	0.3	900.831
Zn 206.200	38.8264	ppb	2.1810	5.6	42.7095

mb 680-353883/1-b (Samp) **10/17/2014, 6:55:35 PM** **Rack 2, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.3545u	-0.4069u	-0.2868u
Al 308.215	-2.2188u	-3.1561u	-3.0203u
As 188.980	-1.4398u	-0.9431u	-4.2766u
B 249.678	3.0968	2.2950	2.2354
Ba 389.178	0.5501	0.3516	0.0895
Be 313.042	-0.0184u	-0.0199u	-0.0170u
Ca 370.602	3.580	5.113	5.913
Cd 226.502	0.0644	0.0149	0.1682
Co 228.615	-0.3563u	-0.2536u	-0.2980u
Cr 267.716	0.1565	0.0515	0.0694
Cu 324.754	0.1180	-0.0520u	0.1398
Fe 271.441	-1.0020u	1.2032	7.3276
K 766.491	1.7335	1.3018	1.6091
Mg 279.078	0.9241	5.0348	0.4298
Mn 257.610	0.1713	0.1854	0.1889
Mo 202.032	0.2798	0.1966	0.1042
Na 330.237	42.1213	33.5006	141.664
Ni 231.604	-0.0418u	-0.8483u	0.0186
Pb 220.353	0.2299	1.8662	2.3938
Sb 206.834	0.0738	2.2075	2.2670
Se 196.026	-0.4133u	-7.1020u	-1.8330u
Sn 189.925	0.4942	-0.0206u	1.4261
Sr 216.596	-0.2643u	-0.6076u	-0.0898u
Ti 334.941	0.0133	0.0073	0.0450
Tl 190.794	-0.0722u	0.1732	0.6769
V 292.401	-0.1203u	0.1732	-0.1462u
Zn 206.200	3.4594	1.9894	2.7828

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3494	ppb	0.0602	17.2	-36.6453
Al 308.215	-2.7984	ppb	0.5065	18.1	584.461
As 188.980	-2.2198	ppb	1.7984	81.0	-6.7194
B 249.678	2.5424	ppb	0.4811	18.9	84.1766
Ba 389.178	0.3304	ppb	0.2310	69.9	-73.4885
Be 313.042	-0.0184	ppb	0.0015	8.1	-273.265
Ca 370.602	4.869	ppb	1.186	24.4	34.47
Cd 226.502	0.0825	ppb	0.0783	94.8	12.9966
Co 228.615	-0.3027	ppb	0.0515	17.0	3.2596
Cr 267.716	0.0925	ppb	0.0562	60.7	39.4767
Cu 324.754	0.0686	ppb	0.1050	153.1	248.263
Fe 271.441	2.5096	ppb	4.3158	172.0	19.9793
K 766.491	1.5481	ppb	0.2222	14.4	312.472
Mg 279.078	2.1296	ppb	2.5281	118.7	29.2897
Mn 257.610	0.1819	ppb	0.0093	5.1	72.0262
Mo 202.032	0.1936	ppb	0.0878	45.4	7.7189

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	72.4288	ppb	60.1146	83.0	28.9801
Ni 231.604	-0.2905	ppb	0.4840	166.6	-6.5432
Pb 220.353	1.4966	ppb	1.1283	75.4	11.8465
Sb 206.834	1.5161	ppb	1.2494	82.4	-3.4903
Se 196.026	-3.1161	ppb	3.5241	113.1	-0.6988
Sn 189.925	0.6332	ppb	0.7333	115.8	-5.2690
Sr 216.596	-0.3206	ppb	0.2634	82.2	2.4161
Ti 334.941	0.0219	ppb	0.0203	92.7	-25.3089
Tl 190.794	0.2593	ppb	0.3819	147.3	-7.3986
V 292.401	-0.0311	ppb	0.1774	570.3	-12.1731
Zn 206.200	2.7438	ppb	0.7358	26.8	3.2567

lcs 680-353883/2-b (Samp) **10/17/2014, 6:59:51 PM** **Rack 2, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	49.5802	49.4763	49.2843
Al 308.215	4751.66	4705.45	4703.80
As 188.980	94.3165	94.4537	98.0591
B 249.678	190.474	190.458	191.952
Ba 389.178	99.0565	97.9467	98.4729
Be 313.042	48.2201	48.1718	48.2069
Ca 370.602	4623	4611	4632
Cd 226.502	51.0033	50.7043	50.4920
Co 228.615	48.2663	48.9491	48.7123
Cr 267.716	97.8795	97.8033	97.8479
Cu 324.754	96.7216	96.9249	97.0792
Fe 271.441	4852.17	4836.32	4842.20
K 766.491	5094.21	5092.30	5092.52
Mg 279.078	4727.65	4720.11	4735.60
Mn 257.610	486.647	484.694	488.895
Mo 202.032	94.3502	94.2425	94.7836
Na 330.237	4634.45	4801.56	4781.57
Ni 231.604	97.9743	97.0723	98.0153
Pb 220.353	492.908	491.745	496.130
Sb 206.834	49.8838	50.8082	48.9154
Se 196.026	92.4861	97.8327	96.5771
Sn 189.925	190.546	190.502	196.319
Sr 216.596	97.2849	96.5708	96.0860
Ti 334.941	98.0587	97.8238	97.8530
Tl 190.794	36.1349	40.3714	39.0933
V 292.401	95.5767	95.0725	94.7937
Zn 206.200	97.2805	99.3539	99.1700

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.4470	ppb	0.1501	0.3	4211.55
Al 308.215	4720.30	ppb	27.1699	0.6	32269.7
As 188.980	95.6098	ppb	2.1223	2.2	59.1125
B 249.678	190.961	ppb	0.8580	0.4	3222.49
Ba 389.178	98.4920	ppb	0.5551	0.6	2049.26
Be 313.042	48.1996	ppb	0.0250	0.1	86971.6
Ca 370.602	4622	ppb	10.69	0.2	13425
Cd 226.502	50.7332	ppb	0.2569	0.5	2166.64
Co 228.615	48.6426	ppb	0.3467	0.7	578.363

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	97.8436	ppb	0.0383	0.0	5424.89
Cu 324.754	96.9086	ppb	0.1794	0.2	7429.59
Fe 271.441	4843.56	ppb	8.0136	0.2	7654.11
K 766.491	5093.01	ppb	1.0418	0.0	228367
Mg 279.078	4727.79	ppb	7.7452	0.2	12889.9
Mn 257.610	486.745	ppb	2.1022	0.4	95816.4
Mo 202.032	94.4588	ppb	0.2864	0.3	652.613
Na 330.237	4739.19	ppb	91.2609	1.9	234.825
Ni 231.604	97.6873	ppb	0.5330	0.5	300.181
Pb 220.353	493.594	ppb	2.2718	0.5	787.972
Sb 206.834	49.8691	ppb	0.9465	1.9	65.2583
Se 196.026	95.6320	ppb	2.7958	2.9	45.9438
Sn 189.925	192.456	ppb	3.3460	1.7	140.040
Sr 216.596	96.6472	ppb	0.6031	0.6	1206.35
Ti 334.941	97.9118	ppb	0.1280	0.1	28514.1
Tl 190.794	38.5332	ppb	2.1731	5.6	34.9808
V 292.401	95.1476	ppb	0.3969	0.4	2457.37
Zn 206.200	98.6015	ppb	1.1477	1.2	108.049

680-106275-b-1-d (Samp) **10/17/2014, 7:04:07 PM** **Rack 2, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-0.1825u	-0.1784u	-0.2295u
Al 308.215	922.117	918.639	918.741
As 188.980	7.1102	-0.9994u	-2.3513u
B 249.678	64.6111	65.1566	64.7457
Ba 389.178	263.236	262.737	262.132
Be 313.042	0.0255	0.0280	0.0196
Ca 370.602	74021	73898	74002
Cd 226.502	0.0680	0.1045	-0.0475u
Co 228.615	0.3243	0.4819	0.4677
Cr 267.716	4.4696	4.3650	4.4401
Cu 324.754	4.3284	4.5019	4.3317
Fe 271.441	850.084	857.506	855.416
K 766.491	21965.2	22012.9	22027.1
Mg 279.078	10682.5	10662.3	10696.4
Mn 257.610	2068.92	2067.83	2069.15
Mo 202.032	1.5213	1.5709	1.8555
Na 330.237	349174x	348161x	350439x
Ni 231.604	8.2841	7.9207	8.3349
Pb 220.353	2.2427	0.4114	1.5576
Sb 206.834	2.6303	0.4010	2.4600
Se 196.026	4.3629	3.5023	6.5474
Sn 189.925	0.8975	1.4426	3.8889
Sr 216.596	326.338	325.377	326.446
Ti 334.941	7.4906	7.5685	7.5236
Tl 190.794	-1.7845u	1.6083	-0.2159
V 292.401	3.2592	3.6966	3.1801
Zn 206.200	5.4138	9.1994	9.9317

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1968b	ppb	0.0284	14.4	-24.5953
Al 308.215	919.832b	ppb	1.9796	0.2	6771.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.2531b	ppb	5.1172	408.4	-4.3783
B 249.678	64.8378b	ppb	0.2841	0.4	1123.34
Ba 389.178	262.702b	ppb	0.5525	0.2	5589.42
Be 313.042	0.0244b	ppb	0.0043	17.8	-209.220
Ca 370.602	73974b	ppb	66.56	0.1	214622
Cd 226.502	0.0417b	ppb	0.0794	190.5	12.4249
Co 228.615	0.4246b	ppb	0.0872	20.5	12.0128
Cr 267.716	4.4249b	ppb	0.0540	1.2	295.788
Cu 324.754	4.3873b	ppb	0.0993	2.3	568.697
Fe 271.441	854.335b	ppb	3.8272	0.4	1362.18
K 766.491	22001.7b	ppb	32.4531	0.1	985733
Mg 279.078	10680.4b	ppb	17.1486	0.2	29073.1
Mn 257.610	2068.63b	ppb	0.7038	0.0	406974
Mo 202.032	1.6492b	ppb	0.1804	10.9	17.6385
Na 330.237	349258xb	ppb	1141.38	0.3	15694.1
Ni 231.604	8.1799b	ppb	0.2259	2.8	20.0196
Pb 220.353	1.4039b	ppb	0.9252	65.9	12.1747
Sb 206.834	1.8305b	ppb	1.2409	67.8	-2.9873
Se 196.026	4.8042b	ppb	1.5698	32.7	3.5344
Sn 189.925	2.0763b	ppb	1.5932	76.7	-4.0662
Sr 216.596	326.054b	ppb	0.5884	0.2	4072.30
Ti 334.941	7.5275b	ppb	0.0391	0.5	2153.92
Tl 190.794	-0.1307b	ppb	1.6980	1299.1	-6.8464
V 292.401	3.3786b	ppb	0.2782	8.2	74.4254
Zn 206.200	8.1816b	ppb	2.4248	29.6	9.1777

680-106275-b-1-dSD (Samp) **10/17/2014, 7:08:23 PM** **Rack 2, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1238u	-0.2837u	-0.1621u
Al 308.215	168.511	167.531	168.577
As 188.980	-5.2556u	-3.1499u	0.5217
B 249.678	14.0750	13.8517	13.6946
Ba 389.178	53.6883	52.1943	52.5788
Be 313.042	-0.0283u	-0.0260u	-0.0264u
Ca 370.602	14319	14203	14188
Cd 226.502	0.0884	0.1658	0.0443
Co 228.615	-0.1826u	0.1223	-0.2211u
Cr 267.716	0.9144	0.8755	1.0260
Cu 324.754	0.8430	0.9737	1.1597
Fe 271.441	170.054	167.691	172.628
K 766.491	3610.97	3594.23	3608.27
Mg 279.078	2138.39	2117.10	2129.85
Mn 257.610	405.755	403.391	402.244
Mo 202.032	0.7688	0.0213	0.4963
Na 330.237	60491.9	60050.8	60366.9
Ni 231.604	2.0447	1.0286	2.4874
Pb 220.353	-1.0864u	1.8313	0.7266
Sb 206.834	2.7233	0.0183	0.2207
Se 196.026	4.6490	1.7742	-6.1867u
Sn 189.925	-2.7620u	4.5883	1.0739
Sr 216.596	64.4260	64.3043	64.3757
Ti 334.941	1.5215	1.5616	1.5485

Label	Replicates Concentration		
Tl 190.794	-1.3584u	-0.9096u	-1.6190u
V 292.401	0.3002	0.2843	0.8339
Zn 206.200	1.2865	3.0509	2.0853

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1899	ppb	0.0835	44.0	-23.2512
Al 308.215	168.206	ppb	0.5859	0.3	1731.17
As 188.980	-2.6279	ppb	2.9238	111.3	-6.9935
B 249.678	13.8738	ppb	0.1911	1.4	273.159
Ba 389.178	52.8205	ppb	0.7757	1.5	1059.43
Be 313.042	-0.0269	ppb	0.0012	4.5	-290.303
Ca 370.602	14237	ppb	71.49	0.5	41322
Cd 226.502	0.0995	ppb	0.0615	61.8	13.9945
Co 228.615	-0.0938	ppb	0.1882	200.6	5.7562
Cr 267.716	0.9386	ppb	0.0781	8.3	89.4003
Cu 324.754	0.9921	ppb	0.1591	16.0	316.780
Fe 271.441	170.124	ppb	2.4697	1.5	284.052
K 766.491	3604.49	ppb	8.9856	0.2	161694
Mg 279.078	2128.45	ppb	10.7152	0.5	5812.73
Mn 257.610	403.797	ppb	1.7904	0.4	79470.9
Mo 202.032	0.4288	ppb	0.3783	88.2	9.3205
Na 330.237	60303.2	ppb	227.311	0.4	2731.07
Ni 231.604	1.8536	ppb	0.7480	40.4	0.1771
Pb 220.353	0.4905	ppb	1.4731	300.3	10.3542
Sb 206.834	0.9874	ppb	1.5067	152.6	-4.2341
Se 196.026	0.0789	ppb	5.6133	7117.6	0.9050
Sn 189.925	0.9667	ppb	3.6763	380.3	-4.9976
Sr 216.596	64.3687	ppb	0.0612	0.1	808.981
Ti 334.941	1.5439	ppb	0.0205	1.3	417.401
Tl 190.794	-1.2957	ppb	0.3589	27.7	-8.9430
V 292.401	0.4728	ppb	0.3129	66.2	0.5830
Zn 206.200	2.1409	ppb	0.8835	41.3	2.5837

680-106275-b-1-dPDS (Samp) **10/17/2014, 7:12:39 PM** **Rack 2, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	101.827	101.764	101.754
Al 308.215	1937.47	1933.03	1932.53
As 188.980	103.175	105.526	99.8565
B 249.678	259.541	260.347	262.220
Ba 389.178	344.956	345.796	345.252
Be 313.042	97.9263	97.8052	97.7799
Ca 370.602	83827	83980	83844
Cd 226.502	99.6476	99.2772	99.3441
Co 228.615	98.6973	98.8207	98.7524
Cr 267.716	103.538	103.642	103.734
Cu 324.754	107.556	107.208	107.297
Fe 271.441	10616.9	10616.8	10605.7
K 766.491	34533.9	34379.7	34492.7
Mg 279.078	20396.3	20383.3	20390.6
Mn 257.610	2995.01	2989.43	2985.91
Mo 202.032	98.1480	98.0020	98.6556
Na 330.237	364772x	362264x	363340x

Label	Replicates Concentration		
Ni 231.604	105.354	105.596	106.444
Pb 220.353	101.726	100.933	98.7397
Sb 206.834	101.003	97.0895	101.452
Se 196.026	100.846	111.025	104.191
Sn 189.925	94.9489	103.230	96.0161
Sr 216.596	426.049	425.458	424.536
Ti 334.941	106.163	105.958	105.990
Tl 190.794	18.2197	14.5945	17.9113
V 292.401	100.860	100.647	100.509
Zn 206.200	108.101	108.199	107.070

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	101.782b	ppb	0.0398	0.0	8678.14
Al 308.215	1934.34b	ppb	2.7176	0.1	13603.7
As 188.980	102.852b	ppb	2.8483	2.8	63.9178
B 249.678	260.702b	ppb	1.3745	0.5	4375.41
Ba 389.178	345.335b	ppb	0.4261	0.1	7387.25
Be 313.042	97.8371b	ppb	0.0782	0.1	176780
Ca 370.602	83884b	ppb	83.80	0.1	243314
Cd 226.502	99.4230b	ppb	0.1974	0.2	4238.99
Co 228.615	98.7568b	ppb	0.0618	0.1	1167.91
Cr 267.716	103.638b	ppb	0.0978	0.1	5765.89
Cu 324.754	107.354b	ppb	0.1809	0.2	8206.26
Fe 271.441	10613.1b	ppb	6.4528	0.1	16750.2
K 766.491	34468.8b	ppb	79.8663	0.2	1544152
Mg 279.078	20390.0b	ppb	6.5369	0.0	55502.5
Mn 257.610	2990.12b	ppb	4.5892	0.2	588308
Mo 202.032	98.2685b	ppb	0.3431	0.3	678.412
Na 330.237	363459xb	ppb	1258.06	0.3	16326.5
Ni 231.604	105.798b	ppb	0.5727	0.5	325.917
Pb 220.353	100.466b	ppb	1.5470	1.5	169.062
Sb 206.834	99.8484b	ppb	2.3998	2.4	136.846
Se 196.026	105.354b	ppb	5.1884	4.9	51.1752
Sn 189.925	98.0650b	ppb	4.5048	4.6	68.6506
Sr 216.596	425.348b	ppb	0.7623	0.2	5313.17
Ti 334.941	106.037b	ppb	0.1103	0.1	30882.4
Tl 190.794	16.9085b	ppb	2.0099	11.9	11.4935
V 292.401	100.672b	ppb	0.1772	0.2	2600.62
Zn 206.200	107.790b	ppb	0.6254	0.6	117.859

680-106275-b-1-e ms (Samp) **10/17/2014, 7:16:56 PM** **Rack 2, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	51.0121	51.2705	51.2909
Al 308.215	6012.84	6011.42	6012.65
As 188.980	100.092	102.820	102.183
B 249.678	261.156	261.702	263.058
Ba 389.178	363.040	363.128	364.703
Be 313.042	49.6340	49.9718	49.7632
Ca 370.602	78545	78477	78403
Cd 226.502	50.5207	50.7968	50.8342
Co 228.615	49.7275	48.9607	49.7205
Cr 267.716	102.276	102.379	102.254

Label	Replicates Concentration		
Cu 324.754	105.586	106.179	105.606
Fe 271.441	5653.50	5678.68	5680.96
K 766.491	28252.0	28396.3	28348.9
Mg 279.078	15539.4	15544.7	15531.8
Mn 257.610	2546.12	2544.50	2540.05
Mo 202.032	96.7596	96.6872	97.4941
Na 330.237	363677x	362979x	364103x
Ni 231.604	106.544	105.572	105.873
Pb 220.353	487.083	493.667	487.945
Sb 206.834	54.5225	52.8006	53.4177
Se 196.026	111.516	100.205	97.6866
Sn 189.925	184.103	181.830	191.808
Sr 216.596	427.229	427.044	427.176
Ti 334.941	105.350	104.772	105.345
Tl 190.794	36.6220	35.1819	38.8932
V 292.401	98.8650	99.8014	98.8279
Zn 206.200	105.649	107.235	112.363

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.1911b	ppb	0.1554	0.3	4359.22
Al 308.215	6012.30b	ppb	0.7713	0.0	40932.8
As 188.980	101.698b	ppb	1.4273	1.4	63.2178
B 249.678	261.972b	ppb	0.9792	0.4	4407.39
Ba 389.178	363.624b	ppb	0.9360	0.3	7771.82
Be 313.042	49.7897b	ppb	0.1705	0.3	89835.1
Ca 370.602	78475b	ppb	71.25	0.1	227676
Cd 226.502	50.7172b	ppb	0.1712	0.3	2167.00
Co 228.615	49.4696b	ppb	0.4407	0.9	588.262
Cr 267.716	102.303b	ppb	0.0668	0.1	5688.42
Cu 324.754	105.791b	ppb	0.3368	0.3	8088.23
Fe 271.441	5671.05b	ppb	15.2385	0.3	8958.00
K 766.491	28332.4b	ppb	73.5381	0.3	1269294
Mg 279.078	15538.6b	ppb	6.5302	0.0	42294.2
Mn 257.610	2543.56b	ppb	3.1461	0.1	500431
Mo 202.032	96.9803b	ppb	0.4464	0.5	669.829
Na 330.237	363586xb	ppb	567.323	0.2	16333.3
Ni 231.604	105.996b	ppb	0.4978	0.5	326.236
Pb 220.353	489.565b	ppb	3.5785	0.7	782.090
Sb 206.834	53.5803b	ppb	0.8724	1.6	70.5972
Se 196.026	103.136b	ppb	7.3659	7.1	49.9863
Sn 189.925	185.913b	ppb	5.2294	2.8	135.195
Sr 216.596	427.150b	ppb	0.0950	0.0	5327.79
Ti 334.941	105.156b	ppb	0.3322	0.3	30617.0
Tl 190.794	36.8990b	ppb	1.8711	5.1	34.1557
V 292.401	99.1647b	ppb	0.5516	0.6	2559.61
Zn 206.200	108.416b	ppb	3.5091	3.2	118.779

680-106275-b-1-f msd (Samp) **10/17/2014, 7:21:13 PM** **Rack 2, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	51.7419	51.4752	51.8093
Al 308.215	6109.36	6096.80	6101.02
As 188.980	108.509	107.572	102.546

Label	Replicates Concentration		
B 249.678	267.463	267.003	266.827
Ba 389.178	367.836	366.333	367.435
Be 313.042	49.8105	49.7209	49.8020
Ca 370.602	79066	78976	79047
Cd 226.502	51.2481	51.1666	51.1177
Co 228.615	50.0579	50.0112	49.9690
Cr 267.716	103.218	103.441	103.388
Cu 324.754	108.481	108.179	107.169
Fe 271.441	5751.12	5731.21	5733.67
K 766.491	28890.4	28888.6	28804.1
Mg 279.078	15766.1	15720.6	15708.5
Mn 257.610	2567.62	2564.86	2568.88
Mo 202.032	97.8221	99.1062	97.9597
Na 330.237	371250x	369272x	368938x
Ni 231.604	107.689	105.598	107.374
Pb 220.353	500.408	501.646	502.078
Sb 206.834	52.2332	52.1949	54.3092
Se 196.026	108.074	102.373	94.0692
Sn 189.925	189.068	187.676	185.845
Sr 216.596	434.663	432.813	432.996
Ti 334.941	105.909	105.714	105.907
Tl 190.794	37.5165	37.3816	37.9117
V 292.401	100.442	100.150	100.233
Zn 206.200	114.576	114.185	115.173

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.6755b	ppb	0.1767	0.3	4400.47
Al 308.215	6102.39b	ppb	6.3892	0.1	41537.1
As 188.980	106.209b	ppb	3.2068	3.0	66.2535
B 249.678	267.098b	ppb	0.3282	0.1	4492.87
Ba 389.178	367.201b	ppb	0.7784	0.2	7849.18
Be 313.042	49.7778b	ppb	0.0495	0.1	89813.1
Ca 370.602	79030b	ppb	47.63	0.1	229286
Cd 226.502	51.1774b	ppb	0.0659	0.1	2186.65
Co 228.615	50.0127b	ppb	0.0445	0.1	594.618
Cr 267.716	103.349b	ppb	0.1162	0.1	5746.33
Cu 324.754	107.943b	ppb	0.6869	0.6	8247.82
Fe 271.441	5738.67b	ppb	10.8550	0.2	9064.60
K 766.491	28861.0b	ppb	49.3127	0.2	1292972
Mg 279.078	15731.7b	ppb	30.3413	0.2	42819.4
Mn 257.610	2567.12b	ppb	2.0571	0.1	505067
Mo 202.032	98.2960b	ppb	0.7050	0.7	678.829
Na 330.237	369820xb	ppb	1249.71	0.3	16612.8
Ni 231.604	106.887b	ppb	1.1272	1.1	329.028
Pb 220.353	501.377b	ppb	0.8671	0.2	800.724
Sb 206.834	52.9124b	ppb	1.2098	2.3	69.6311
Se 196.026	101.505b	ppb	7.0425	6.9	49.2283
Sn 189.925	187.529b	ppb	1.6165	0.9	136.421
Sr 216.596	433.491b	ppb	1.0195	0.2	5406.73
Ti 334.941	105.843b	ppb	0.1120	0.1	30817.3
Tl 190.794	37.6033b	ppb	0.2755	0.7	34.9506
V 292.401	100.275b	ppb	0.1503	0.1	2588.27
Zn 206.200	114.645b	ppb	0.4973	0.4	125.616

680-106264-a-5-b (Samp) **10/17/2014, 7:25:30 PM** **Rack 2, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	-0.0693u	-0.3969u	-0.0252u
Al 308.215	-3.1077u	-2.1313u	-3.2442u
As 188.980	4.8261	-2.6023u	-0.6644u
B 249.678	234.894	235.720	235.102
Ba 389.178	170.239	170.154	169.590
Be 313.042	-0.0525u	-0.0487u	-0.0486u
Ca 370.602	75177	75084	74624
Cd 226.502	-0.0293u	0.0228	0.0073
Co 228.615	0.1791	0.3522	-0.1673u
Cr 267.716	0.2119	0.2588	0.2519
Cu 324.754	0.9841	1.2743	0.7695
Fe 271.441	37.0916	30.6428	39.6064
K 766.491	7396.48	7420.48	7426.66
Mg 279.078	18954.2	18938.1	18892.8
Mn 257.610	85.7857	85.7750	85.3900
Mo 202.032	0.8395	1.2350	1.3722
Na 330.237	24745.7	25009.2	24994.9
Ni 231.604	1.0562	1.7665	2.5461
Pb 220.353	-1.8896u	-0.8927u	3.3954
Sb 206.834	-0.7201u	-1.8844u	4.2326
Se 196.026	-2.3816u	1.0369	7.4198
Sn 189.925	1.0963	-0.3285u	-0.5649u
Sr 216.596	422.252	420.653	417.919
Ti 334.941	0.0438	0.0296	0.0619
Tl 190.794	2.2607	-1.6970u	-0.1477u
V 292.401	-0.3268u	-0.1806u	0.1245
Zn 206.200	5.4087	5.1275	6.0660

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1638	ppb	0.2031	124.0	-35.9519
Al 308.215	-2.8277	ppb	0.6070	21.5	584.416
As 188.980	0.5198	ppb	3.8532	741.3	-4.8761
B 249.678	235.239	ppb	0.4297	0.2	3972.90
Ba 389.178	169.994	ppb	0.3524	0.2	3604.71
Be 313.042	-0.0500	ppb	0.0022	4.5	-306.820
Ca 370.602	74962	ppb	296.2	0.4	217442
Cd 226.502	0.0003	ppb	0.0267	9535.2	9.7684
Co 228.615	0.1213	ppb	0.2645	218.0	8.2238
Cr 267.716	0.2409	ppb	0.0253	10.5	48.5935
Cu 324.754	1.0093	ppb	0.2533	25.1	318.028
Fe 271.441	35.7803	ppb	4.6235	12.9	72.4144
K 766.491	7414.54	ppb	15.9429	0.2	332351
Mg 279.078	18928.3	ppb	31.8434	0.2	51583.0
Mn 257.610	85.6502	ppb	0.2254	0.3	17016.5
Mo 202.032	1.1489	ppb	0.2766	24.1	14.2560
Na 330.237	24916.6	ppb	148.159	0.6	1143.48
Ni 231.604	1.7896	ppb	0.7452	41.6	-0.0351
Pb 220.353	0.2044	ppb	2.8081	1374.1	9.8282
Sb 206.834	0.5427	ppb	3.2481	598.5	-4.8961
Se 196.026	2.0250	ppb	4.9749	245.7	1.7426
Sn 189.925	0.0677	ppb	0.8986	1328.3	-5.6897
Sr 216.596	420.274	ppb	2.1913	0.5	5238.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0451	ppb	0.0162	35.9	13.4605
Tl 190.794	0.1386	ppb	1.9944	1438.5	-7.4935
V 292.401	-0.1276	ppb	0.2303	180.4	-14.8115
Zn 206.200	5.5341	ppb	0.4816	8.7	6.3208

Cont Calib Verif (CCV) **10/17/2014, 7:29:47 PM** **Rack 2, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	489.592	493.049	488.393
Al 308.215	4821.29	4813.43	4816.19
As 188.980	461.140	467.792	470.768
B 249.678	487.515	488.148	490.745
Ba 389.178	4954.51	4952.58	4947.94
Be 313.042	488.416	488.106	488.086
Ca 370.602	4604	4616	4628
Cd 226.502	506.280	505.449	505.520
Co 228.615	485.140	487.930	487.402
Cr 267.716	4852.78	4858.07	4860.44
Cu 324.754	4978.53	4920.58	4955.72
Fe 271.441	4849.02	4837.95	4845.89
K 766.491	10075.1	10022.1	10069.5
Mg 279.078	4821.37	4815.31	4818.47
Mn 257.610	4712.53	4711.87	4746.67
Mo 202.032	483.827	484.619	486.008
Na 330.237	7923.48	7733.67	7611.71
Ni 231.604	2495.82	2497.22	2502.55
Pb 220.353	500.970	505.192	504.412
Sb 206.834	940.642	932.382	945.910
Se 196.026	4831.53	4833.92	4847.66
Sn 189.925	4830.64	4865.68	4853.94
Sr 216.596	2468.54	2467.19	2469.41
Ti 334.941	488.361	487.506	488.676
Tl 190.794	4900.71	4902.20	4915.90
V 292.401	4717.18	4705.07	4725.72
Zn 206.200	2431.91	2426.40	2430.40

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	490.345	ppb	2.4177	0.5	41788.1	98.06892
Al 308.215	4816.97	ppb	3.9894	0.1	33413.7	96.33940
As 188.980	466.567	ppb	4.9294	1.1	308.659	93.31336
B 249.678	488.802	ppb	1.7115	0.4	8213.30	97.76050
Ba 389.178	4951.68	ppb	3.3775	0.1	106534	99.03359
Be 313.042	488.203	ppb	0.1850	0.0	883377	97.64052
Ca 370.602	4616	ppb	11.74	0.3	13742	92.31596
Cd 226.502	505.750	ppb	0.4607	0.1	21352.8	101.14992
Co 228.615	486.824	ppb	1.4821	0.3	5733.53	97.36473
Cr 267.716	4857.10	ppb	3.9201	0.1	267418	97.14195
Cu 324.754	4951.61	ppb	29.1904	0.6	367153	99.03225
Fe 271.441	4844.28	ppb	5.7066	0.1	7758.09	96.88567
K 766.491	10055.6	ppb	29.1486	0.3	450647	100.55573
Mg 279.078	4818.38	ppb	3.0278	0.1	13043.7	96.36767
Mn 257.610	4723.69	ppb	19.9058	0.4	929146	94.47380
Mo 202.032	484.818	ppb	1.1040	0.2	3319.30	96.96365

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	7756.29	ppb	157.114	2.0	314.925	103.41715
Ni 231.604	2498.53	ppb	3.5508	0.1	7807.75	99.94138
Pb 220.353	503.525	ppb	2.2467	0.4	807.680	100.70496
Sb 206.834	939.645	ppb	6.8190	0.7	1386.52	93.96445
Se 196.026	4837.70	ppb	8.7032	0.2	2279.01	96.75405
Sn 189.925	4850.08	ppb	17.8366	0.4	3668.24	97.00167
Sr 216.596	2468.38	ppb	1.1214	0.0	30487.0	98.73524
Ti 334.941	488.181	ppb	0.6054	0.1	142260	97.63622
Tl 190.794	4906.27	ppb	8.3744	0.2	5489.00	98.12539
V 292.401	4715.99	ppb	10.3783	0.2	122882	94.31985
Zn 206.200	2429.57	ppb	2.8475	0.1	2653.97	97.18280

Cont Calib Blank (CCB) **10/17/2014, 7:34:03 PM** **Rack 2, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	-0.3274u	-0.0007u	0.1807
Al 308.215	-8.2297u	-7.8348u	-7.1468u
As 188.980	-0.6767u	-1.8414u	0.5059
B 249.678	8.8775	8.5655	7.4984
Ba 389.178	0.8954	0.7958	0.6761
Be 313.042	-0.0077u	-0.0102u	-0.0104u
Ca 370.602	3.027	-3.343u	3.096
Cd 226.502	0.1928	0.1197	0.0328
Co 228.615	-0.2319u	-0.1580u	0.0722
Cr 267.716	0.3694	0.3807	0.3184
Cu 324.754	0.7313	0.6417	0.7441
Fe 271.441	-0.4034u	0.3345	-1.5139u
K 766.491	1.7769	1.0455	1.2003
Mg 279.078	-0.4854u	-1.5580u	2.5940
Mn 257.610	0.4689	0.4016	0.4454
Mo 202.032	1.1059	1.2198	0.6202
Na 330.237	59.6467	-118.563u	279.309
Ni 231.604	0.5599	0.6161	1.0732
Pb 220.353	1.0757	-0.1594u	-0.9595u
Sb 206.834	3.5122	2.9498	6.9353
Se 196.026	5.4498	2.8002	-4.7936u
Sn 189.925	-2.4585u	1.2414	0.0847
Sr 216.596	0.5052	0.1894	0.3482
Ti 334.941	0.0725	0.0757	0.0587
Tl 190.794	1.6767	1.4489	1.0132
V 292.401	0.3830	-0.0179u	0.3757
Zn 206.200	1.7075	1.8938	2.0537

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0491	ppb	0.2575	524.0	-11.0442	-0.04914
Al 308.215	-7.7371	ppb	0.5480	7.1	551.423	-7.73710
As 188.980	-0.6707	ppb	1.1737	175.0	-5.6771	-0.67073
B 249.678	8.3138	ppb	0.7232	8.7	180.660	8.31380
Ba 389.178	0.7891	ppb	0.1098	13.9	-63.6113	0.78910
Be 313.042	-0.0094	ppb	0.0015	16.0	-257.111	-0.00944
Ca 370.602	0.9266	ppb	3.698	399.1	23.11	0.92658
Cd 226.502	0.1151	ppb	0.0801	69.6	14.3573	0.11512
Co 228.615	-0.1059	ppb	0.1586	149.7	5.5547	-0.10591

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	0.3562	ppb	0.0332	9.3	53.9901	0.35619
Cu 324.754	0.7057	ppb	0.0558	7.9	295.500	0.70571
Fe 271.441	-0.5276	ppb	0.9304	176.3	15.2227	-0.52761
K 766.491	1.3409	ppb	0.3854	28.7	303.192	1.34093
Mg 279.078	0.1836	ppb	2.1553	1174.2	23.9856	0.18356
Mn 257.610	0.4386	ppb	0.0341	7.8	122.519	0.43862
Mo 202.032	0.9820	ppb	0.3184	32.4	13.1152	0.98198
Na 330.237	73.4644	ppb	199.296	271.3	29.0571	73.46438
Ni 231.604	0.7497	ppb	0.2815	37.5	-3.2906	0.74973
Pb 220.353	-0.0144	ppb	1.0253	7116.5	9.4631	-0.01441
Sb 206.834	4.4658	ppb	2.1571	48.3	0.7118	4.46576
Se 196.026	1.1522	ppb	5.3169	461.5	1.3103	1.15216
Sn 189.925	-0.3775	ppb	1.8928	501.4	-6.0346	-0.37748
Sr 216.596	0.3476	ppb	0.1579	45.4	10.6389	0.34759
Ti 334.941	0.0690	ppb	0.0090	13.1	-11.5759	0.06897
Tl 190.794	1.3796	ppb	0.3371	24.4	-6.1463	1.37962
V 292.401	0.2469	ppb	0.2294	92.9	-5.0320	0.24694
Zn 206.200	1.8850	ppb	0.1732	9.2	2.3123	1.88501

680-106174-f-3-b (Samp) **10/17/2014, 7:38:18 PM** **Rack 2, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.1669	0.0850	-0.3063u
Al 308.215	75.1503	76.6354	77.1435
As 188.980	-4.3941u	-3.4588u	-5.5896u
B 249.678	9.7981	9.8775	9.4862
Ba 389.178	26.0356	25.5112	26.2786
Be 313.042	0.0335	0.0374	0.0351
Ca 370.602	521.6	533.6	531.0
Cd 226.502	0.2501	0.0216	0.1770
Co 228.615	0.4717	1.0269	1.0330
Cr 267.716	0.0896	0.3346	0.1267
Cu 324.754	2.1529	2.5108	2.6592
Fe 271.441	11.4979	9.9658	10.8146
K 766.491	706.392	711.756	714.713
Mg 279.078	400.503	398.677	401.950
Mn 257.610	7.0904	7.1836	7.1222
Mo 202.032	0.2377	0.2083	0.8337
Na 330.237	1390.43	1344.05	1271.70
Ni 231.604	1.3097	1.8166	0.7614
Pb 220.353	1.0354	3.4093	-0.5828u
Sb 206.834	2.2406	2.2388	0.6100
Se 196.026	1.8713	1.2352	-0.5659u
Sn 189.925	4.7757	-0.2932u	-0.2219u
Sr 216.596	5.8676	5.7759	5.2248
Ti 334.941	0.7715	1.2129	0.9688
Tl 190.794	-1.3345u	-0.3458u	2.0648
V 292.401	0.1776	0.4389	0.6004
Zn 206.200	6.4633	6.0507	6.2831

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0181	ppb	0.2529	1394.9	-8.5489
Al 308.215	76.3097	ppb	1.0357	1.4	1114.84

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-4.4808	ppb	1.0680	23.8	-8.2404
B 249.678	9.7206	ppb	0.2069	2.1	204.114
Ba 389.178	25.9418	ppb	0.3922	1.5	478.391
Be 313.042	0.0353	ppb	0.0019	5.4	-175.986
Ca 370.602	528.7	ppb	6.325	1.2	1554
Cd 226.502	0.1496	ppb	0.1166	78.0	15.8518
Co 228.615	0.8439	ppb	0.3223	38.2	16.7498
Cr 267.716	0.1836	ppb	0.1320	71.9	44.5564
Cu 324.754	2.4410	ppb	0.2603	10.7	424.084
Fe 271.441	10.7594	ppb	0.7675	7.1	33.1049
K 766.491	710.954	ppb	4.2182	0.6	32087.8
Mg 279.078	400.377	ppb	1.6398	0.4	1113.95
Mn 257.610	7.1321	ppb	0.0474	0.7	1441.84
Mo 202.032	0.4265	ppb	0.3529	82.7	9.3126
Na 330.237	1335.39	ppb	59.8346	4.5	85.5566
Ni 231.604	1.2959	ppb	0.5277	40.7	-1.5834
Pb 220.353	1.2873	ppb	2.0079	156.0	11.5163
Sb 206.834	1.6965	ppb	0.9409	55.5	-3.2348
Se 196.026	0.8469	ppb	1.2641	149.3	1.1683
Sn 189.925	1.4202	ppb	2.9062	204.6	-4.6725
Sr 216.596	5.6228	ppb	0.3477	6.2	76.1545
Ti 334.941	0.9844	ppb	0.2211	22.5	255.857
Tl 190.794	0.1281	ppb	1.7485	1364.5	-7.5393
V 292.401	0.4056	ppb	0.2134	52.6	-0.7867
Zn 206.200	6.2657	ppb	0.2068	3.3	7.1260

mb 680-353986/1-b (Samp) **10/17/2014, 7:42:34 PM** **Rack 2, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	0.0767	0.1108	-0.0258u
Al 308.215	-5.0276u	-4.1571u	-3.4048u
As 188.980	-1.6495u	1.4901	-4.1777u
B 249.678	1.7533	2.1980	1.8325
Ba 389.178	0.7002	0.7519	0.4199
Be 313.042	-0.0239u	-0.0241u	-0.0218u
Ca 370.602	10.24	8.042	8.898
Cd 226.502	0.1223	0.0695	0.0898
Co 228.615	0.1412	-0.2253u	-0.0405u
Cr 267.716	-0.1037u	0.1100	0.1285
Cu 324.754	0.0495	0.2797	0.2089
Fe 271.441	3.5507	3.1989	-5.0855u
K 766.491	2.9472	3.0793	2.6567
Mg 279.078	3.9496	-0.5860u	0.2554
Mn 257.610	0.2180	0.2162	0.2191
Mo 202.032	0.3285	-0.0059u	-0.0301u
Na 330.237	-52.7325u	-140.523u	4.0776
Ni 231.604	-0.2865u	0.4966	-1.0716u
Pb 220.353	-0.7056u	2.4638	0.8765
Sb 206.834	-1.5175u	1.8934	0.6653
Se 196.026	-0.0891u	-0.5855u	-2.3610u
Sn 189.925	0.3812	-3.7965u	1.1317
Sr 216.596	-0.0744u	-0.0053u	0.0040
Ti 334.941	0.0579	0.0254	-0.0067u

Label	Replicates Concentration		
Tl 190.794	-0.1000u	-1.2528u	1.5176
V 292.401	-0.0036u	-0.0637u	-0.2402u
Zn 206.200	3.7381	2.3270	3.3690

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0539	ppb	0.0711	131.9	-2.2328
Al 308.215	-4.1965	ppb	0.8121	19.4	575.076
As 188.980	-1.4457	ppb	2.8394	196.4	-6.1984
B 249.678	1.9279	ppb	0.2372	12.3	73.8839
Ba 389.178	0.6240	ppb	0.1786	28.6	-67.1677
Be 313.042	-0.0233	ppb	0.0013	5.5	-282.063
Ca 370.602	9.060	ppb	1.107	12.2	46.65
Cd 226.502	0.0939	ppb	0.0266	28.3	13.4676
Co 228.615	-0.0415	ppb	0.1832	441.3	6.3311
Cr 267.716	0.0449	ppb	0.1291	287.4	36.8571
Cu 324.754	0.1794	ppb	0.1179	65.7	256.469
Fe 271.441	0.5547	ppb	4.8877	881.1	16.9125
K 766.491	2.8944	ppb	0.2162	7.5	372.774
Mg 279.078	1.2064	ppb	2.4127	200.0	26.7750
Mn 257.610	0.2177	ppb	0.0015	0.7	79.0920
Mo 202.032	0.0975	ppb	0.2005	205.6	7.0614
Na 330.237	-63.0592	ppb	72.8512	115.5	22.8907
Ni 231.604	-0.2872	ppb	0.7841	273.1	-6.5331
Pb 220.353	0.8783	ppb	1.5847	180.4	10.8714
Sb 206.834	0.3471	ppb	1.7276	497.8	-5.1597
Se 196.026	-1.0119	ppb	1.1945	118.0	0.2917
Sn 189.925	-0.7612	ppb	2.6553	348.8	-6.3253
Sr 216.596	-0.0252	ppb	0.0428	169.6	6.0704
Ti 334.941	0.0256	ppb	0.0323	126.3	-24.2240
Tl 190.794	0.0549	ppb	1.3917	2533.7	-7.6264
V 292.401	-0.1025	ppb	0.1230	120.0	-14.0240
Zn 206.200	3.1447	ppb	0.7318	23.3	3.6975

lcs 680-353986/2-b (Samp) **10/17/2014, 7:46:50 PM** **Rack 2, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	46.3847	46.7148	46.7915
Al 308.215	4491.03	4487.62	4499.79
As 188.980	96.5760	88.4075	92.4490
B 249.678	179.882	180.548	182.604
Ba 389.178	93.4442	94.1809	93.9051
Be 313.042	46.2430	46.2041	46.3066
Ca 370.602	4373	4381	4409
Cd 226.502	47.6925	47.8802	48.4820
Co 228.615	45.8508	46.2709	46.2089
Cr 267.716	92.1754	92.2516	92.6440
Cu 324.754	91.4412	91.3547	92.4205
Fe 271.441	4586.50	4574.88	4600.77
K 766.491	4812.32	4795.50	4822.62
Mg 279.078	4480.81	4476.46	4492.01
Mn 257.610	458.788	460.738	462.784
Mo 202.032	90.6549	90.0718	90.6634
Na 330.237	4424.48	4469.18	4195.44

Label	Replicates Concentration		
Ni 231.604	94.0002	91.5062	91.7096
Pb 220.353	474.670	469.474	473.798
Sb 206.834	47.3379	45.9513	47.0711
Se 196.026	82.5749	83.4688	87.1828
Sn 189.925	178.660	185.748	181.110
Sr 216.596	91.9422	92.0227	91.4389
Ti 334.941	92.6366	92.5673	92.7085
Tl 190.794	35.2992	38.3355	40.1694
V 292.401	90.3040	89.6484	90.1350
Zn 206.200	94.2441	95.8694	97.0791

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.6303	ppb	0.2161	0.5	3971.24
Al 308.215	4492.81	ppb	6.2767	0.1	30743.4
As 188.980	92.4775	ppb	4.0843	4.4	57.0048
B 249.678	181.011	ppb	1.4191	0.8	3056.74
Ba 389.178	93.8434	ppb	0.3722	0.4	1948.68
Be 313.042	46.2512	ppb	0.0517	0.1	83446.2
Ca 370.602	4387	ppb	18.71	0.4	12745
Cd 226.502	48.0182	ppb	0.4125	0.9	2051.22
Co 228.615	46.1102	ppb	0.2268	0.5	548.586
Cr 267.716	92.3570	ppb	0.2514	0.3	5122.63
Cu 324.754	91.7388	ppb	0.5920	0.6	7046.25
Fe 271.441	4587.39	ppb	12.9680	0.3	7250.18
K 766.491	4810.15	ppb	13.6925	0.3	215697
Mg 279.078	4483.09	ppb	8.0213	0.2	12224.0
Mn 257.610	460.770	ppb	1.9981	0.4	90705.1
Mo 202.032	90.4634	ppb	0.3391	0.4	625.283
Na 330.237	4363.03	ppb	146.854	3.4	218.100
Ni 231.604	92.4053	ppb	1.3849	1.5	283.644
Pb 220.353	472.647	ppb	2.7824	0.6	754.930
Sb 206.834	46.7868	ppb	0.7357	1.6	60.8556
Se 196.026	84.4088	ppb	2.4435	2.9	40.6527
Sn 189.925	181.839	ppb	3.6002	2.0	131.998
Sr 216.596	91.8013	ppb	0.3164	0.3	1146.17
Ti 334.941	92.6375	ppb	0.0706	0.1	26976.4
Tl 190.794	37.9347	ppb	2.4597	6.5	34.3324
V 292.401	90.0292	ppb	0.3404	0.4	2324.43
Zn 206.200	95.7309	ppb	1.4226	1.5	104.924

lcsd 680-353986/3 (Samp) **10/17/2014, 7:51:05 PM** **Rack 2, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	49.6174	50.1158	49.6349
Al 308.215	4822.39	4824.25	4810.13
As 188.980	99.5855	99.1479	97.8287
B 249.678	197.316	197.923	197.658
Ba 389.178	100.513	99.9286	101.765
Be 313.042	49.3401	49.3861	49.3154
Ca 370.602	4741	4740	4713
Cd 226.502	51.9582	52.0122	51.7994
Co 228.615	49.4793	49.3148	49.9915
Cr 267.716	100.344	99.9106	99.7325

Label	Replicates Concentration		
Cu 324.754	99.6603	98.4559	98.4169
Fe 271.441	4950.98	4955.12	4942.47
K 766.491	5203.89	5210.29	5203.46
Mg 279.078	4840.47	4850.17	4832.65
Mn 257.610	498.371	498.774	495.929
Mo 202.032	96.8948	97.0452	97.2496
Na 330.237	4661.82	4874.50	4893.94
Ni 231.604	101.778	101.392	100.508
Pb 220.353	511.638	507.735	506.030
Sb 206.834	51.9777	50.7053	54.0436
Se 196.026	95.6519	98.6792	88.8141
Sn 189.925	196.370	193.312	197.578
Sr 216.596	99.5546	99.6041	99.3605
Ti 334.941	99.7283	100.348	100.087
Tl 190.794	41.3168	43.9211	41.2694
V 292.401	97.0167	96.7681	96.9213
Zn 206.200	102.034	102.150	104.660

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.7894	ppb	0.2828	0.6	4240.72
Al 308.215	4818.92	ppb	7.6703	0.2	32931.3
As 188.980	98.8540	ppb	0.9145	0.9	61.2955
B 249.678	197.633	ppb	0.3040	0.2	3333.75
Ba 389.178	100.736	ppb	0.9385	0.9	2097.79
Be 313.042	49.3472	ppb	0.0359	0.1	89047.9
Ca 370.602	4731	ppb	16.00	0.3	13742
Cd 226.502	51.9233	ppb	0.1106	0.2	2217.21
Co 228.615	49.5952	ppb	0.3530	0.7	589.535
Cr 267.716	99.9957	ppb	0.3145	0.3	5543.46
Cu 324.754	98.8444	ppb	0.7069	0.7	7573.18
Fe 271.441	4949.52	ppb	6.4521	0.1	7821.22
K 766.491	5205.88	ppb	3.8259	0.1	233422
Mg 279.078	4841.10	ppb	8.7782	0.2	13198.3
Mn 257.610	497.691	ppb	1.5394	0.3	97970.4
Mo 202.032	97.0632	ppb	0.1781	0.2	670.433
Na 330.237	4810.09	ppb	128.773	2.7	237.881
Ni 231.604	101.226	ppb	0.6511	0.6	311.254
Pb 220.353	508.468	ppb	2.8744	0.6	811.427
Sb 206.834	52.2422	ppb	1.6848	3.2	68.6275
Se 196.026	94.3817	ppb	5.0537	5.4	45.3590
Sn 189.925	195.753	ppb	2.1989	1.1	142.538
Sr 216.596	99.5064	ppb	0.1287	0.1	1241.81
Ti 334.941	100.054	ppb	0.3109	0.3	29138.8
Tl 190.794	42.1691	ppb	1.5175	3.6	39.0360
V 292.401	96.9021	ppb	0.1254	0.1	2502.71
Zn 206.200	102.948	ppb	1.4836	1.4	112.813

680-106035-b-1-f (Samp) **10/17/2014, 7:55:22 PM** **Rack 2, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	-0.1610u	-0.0273u	-0.2311u
Al 308.215	867.050	867.090	865.842
As 188.980	3.0859	4.5237	-2.6413u

Label	Replicates Concentration		
B 249.678	66.1680	65.3883	65.2448
Ba 389.178	241.379	241.699	241.138
Be 313.042	0.0134	0.0060u	0.0078
Ca 370.602	64412	64425	64790
Cd 226.502	0.0562	0.2604	0.0445
Co 228.615	0.7318	1.3004	1.1642
Cr 267.716	2.2731	2.2368	2.4705
Cu 324.754	2.0614	1.9119	1.9809
Fe 271.441	950.089	957.010	956.957
K 766.491	21272.5	21298.1	21280.2
Mg 279.078	10407.6	10429.5	10438.9
Mn 257.610	1867.80	1869.40	1880.19
Mo 202.032	2.1836	1.8878	1.7333
Na 330.237	324346x	326085x	324422x
Ni 231.604	8.2567	7.3678	8.3449
Pb 220.353	1.7250	1.3553	1.5575
Sb 206.834	-1.3266u	1.0656	-0.8083u
Se 196.026	0.9534	-1.6697u	-2.4717u
Sn 189.925	-3.0252u	1.7776	3.7470
Sr 216.596	314.724	316.368	314.123
Ti 334.941	8.6533	8.6900	8.6186
Tl 190.794	-2.1071u	1.6869	-3.5272u
V 292.401	5.7093	5.2437	5.3815
Zn 206.200	12.2190	11.9924	10.9779

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1398b	ppb	0.1035	74.1	-20.3397
Al 308.215	866.661b	ppb	0.7091	0.1	6415.32
As 188.980	1.6561b	ppb	3.7904	228.9	-4.1083
B 249.678	65.6004b	ppb	0.4968	0.8	1135.82
Ba 389.178	241.405b	ppb	0.2812	0.1	5130.78
Be 313.042	0.0091b	ppb	0.0038	42.3	-236.429
Ca 370.602	64542b	ppb	214.8	0.3	187262
Cd 226.502	0.1204b	ppb	0.1214	100.8	16.2806
Co 228.615	1.0654b	ppb	0.2969	27.9	19.5659
Cr 267.716	2.3268b	ppb	0.1258	5.4	179.006
Cu 324.754	1.9847b	ppb	0.0748	3.8	390.664
Fe 271.441	954.685b	ppb	3.9808	0.4	1520.38
K 766.491	21283.6b	ppb	13.1270	0.1	953567
Mg 279.078	10425.3b	ppb	16.0238	0.2	28381.5
Mn 257.610	1872.46b	ppb	6.7353	0.4	368391
Mo 202.032	1.9349b	ppb	0.2288	11.8	19.5867
Na 330.237	324951xb	ppb	983.185	0.3	14603.5
Ni 231.604	7.9898b	ppb	0.5405	6.8	19.4319
Pb 220.353	1.5459b	ppb	0.1851	12.0	12.3724
Sb 206.834	-0.3564b	ppb	1.2585	353.1	-6.1352
Se 196.026	-1.0627b	ppb	1.7914	168.6	0.7386
Sn 189.925	0.8331b	ppb	3.4835	418.1	-5.0167
Sr 216.596	315.072b	ppb	1.1621	0.4	3933.49
Ti 334.941	8.6539b	ppb	0.0357	0.4	2484.08
Tl 190.794	-1.3158b	ppb	2.6956	204.9	-8.2584
V 292.401	5.4448b	ppb	0.2391	4.4	128.712
Zn 206.200	11.7298b	ppb	0.6609	5.6	13.0787

E10172014.wvq. All Data Report 10/18/2014, 10:20:45 AM

680-106035-b-1-fSD (Samp) **10/17/2014, 7:59:38 PM** **Rack 2, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	-0.2555u	-0.0903u	-0.0319u
Al 308.215	159.084	160.476	158.576
As 188.980	-4.3112u	-2.0542u	1.1623
B 249.678	14.3192	14.2961	14.1705
Ba 389.178	48.9403	49.5697	49.0790
Be 313.042	-0.0282u	-0.0299u	-0.0295u
Ca 370.602	12725	12739	12677
Cd 226.502	0.1169	0.1970	0.0088
Co 228.615	0.3021	0.0472	0.0598
Cr 267.716	0.4588	0.3861	0.3633
Cu 324.754	0.5686	0.5606	0.6221
Fe 271.441	193.087	196.272	191.744
K 766.491	3588.60	3589.61	3583.33
Mg 279.078	2103.68	2094.86	2100.31
Mn 257.610	374.629	374.996	372.439
Mo 202.032	0.7035	0.5295	0.3544
Na 330.237	57098.3	56793.2	56885.3
Ni 231.604	1.5584	0.6269	0.5167
Pb 220.353	1.9033	-1.0191u	0.2220
Sb 206.834	1.7748	0.2936	3.6798
Se 196.026	6.4890	-0.0967	5.6544
Sn 189.925	0.3208	-0.7309u	1.0753
Sr 216.596	62.8331	62.6388	63.2885
Ti 334.941	1.7694	1.7647	1.8183
Tl 190.794	-1.4704u	0.1428	0.2557
V 292.401	0.8788	1.2828	0.4934
Zn 206.200	2.4881	1.8032	2.6061

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1259	ppb	0.1160	92.1	-17.8850
Al 308.215	159.379	ppb	0.9835	0.6	1672.09
As 188.980	-1.7344	ppb	2.7508	158.6	-6.3923
B 249.678	14.2619	ppb	0.0800	0.6	279.597
Ba 389.178	49.1963	ppb	0.3307	0.7	981.406
Be 313.042	-0.0292	ppb	0.0009	3.1	-294.527
Ca 370.602	12714	ppb	32.32	0.3	36904
Cd 226.502	0.1076	ppb	0.0944	87.8	14.4514
Co 228.615	0.1364	ppb	0.1437	105.3	8.4666
Cr 267.716	0.4027	ppb	0.0499	12.4	59.7043
Cu 324.754	0.5838	ppb	0.0334	5.7	286.523
Fe 271.441	193.701	ppb	2.3257	1.2	321.257
K 766.491	3587.18	ppb	3.3737	0.1	160918
Mg 279.078	2099.62	ppb	4.4506	0.2	5734.73
Mn 257.610	374.022	ppb	1.3824	0.4	73614.6
Mo 202.032	0.5291	ppb	0.1746	33.0	10.0055
Na 330.237	56925.6	ppb	156.509	0.3	2579.53
Ni 231.604	0.9007	ppb	0.5723	63.5	-2.8020
Pb 220.353	0.3687	ppb	1.4667	397.8	10.1580
Sb 206.834	1.9161	ppb	1.6975	88.6	-2.9145
Se 196.026	4.0156	ppb	3.5857	89.3	2.7522
Sn 189.925	0.2217	ppb	0.9072	409.1	-5.5631
Sr 216.596	62.9201	ppb	0.3335	0.5	790.555

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1.7841	ppb	0.0297	1.7	487.686
Tl 190.794	-0.3573	ppb	0.9656	270.3	-7.9082
V 292.401	0.8850	ppb	0.3948	44.6	11.4035
Zn 206.200	2.2991	ppb	0.4335	18.9	2.7580

680-106035-b-1-fPDS (Samp) **10/17/2014, 8:03:54 PM** **Rack 2, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	100.503	98.2631	96.8128
Al 308.215	1899.73	1876.50	1870.54
As 188.980	101.604	93.9243	95.4939
B 249.678	258.502	256.418	255.722
Ba 389.178	332.687	330.336	329.785
Be 313.042	96.2258	93.9632	92.7856
Ca 370.602	76812	76418	76468
Cd 226.502	98.5458	96.1668	94.7436
Co 228.615	96.3366	94.9781	92.9797
Cr 267.716	99.2428	96.9836	95.8888
Cu 324.754	102.745	100.935	99.4972
Fe 271.441	10558.5	10359.8	10228.3
K 766.491	34618.6	34426.1	34296.1
Mg 279.078	20300.0	20088.4	19997.3
Mn 257.610	2849.47	2817.52	2821.43
Mo 202.032	96.4004	94.8169	93.4627
Na 330.237	352838x	351875x	351979x
Ni 231.604	103.585	102.496	98.2144
Pb 220.353	94.4252	94.4659	95.5726
Sb 206.834	100.463	97.4130	96.7672
Se 196.026	107.256	97.4476	95.2758
Sn 189.925	96.6955	90.8420	90.3647
Sr 216.596	421.078	419.132	418.205
Ti 334.941	106.109	103.859	103.126
Tl 190.794	15.2959	15.3396	15.8508
V 292.401	99.8960	97.7605	96.7332
Zn 206.200	111.827	108.387	107.227

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	98.5264b	ppb	1.8592	1.9	8399.75
Al 308.215	1882.26b	ppb	15.4252	0.8	13253.8
As 188.980	97.0073b	ppb	4.0572	4.2	59.9858
B 249.678	256.880b	ppb	1.4464	0.6	4312.02
Ba 389.178	330.936b	ppb	1.5414	0.5	7076.94
Be 313.042	94.3249b	ppb	1.7484	1.9	170424
Ca 370.602	76566b	ppb	214.4	0.3	222089
Cd 226.502	96.4854b	ppb	1.9210	2.0	4114.39
Co 228.615	94.7647b	ppb	1.6886	1.8	1121.02
Cr 267.716	97.3717b	ppb	1.7104	1.8	5419.98
Cu 324.754	101.059b	ppb	1.6277	1.6	7739.56
Fe 271.441	10382.2b	ppb	166.223	1.6	16386.0
K 766.491	34446.9b	ppb	162.266	0.5	1543172
Mg 279.078	20128.6b	ppb	155.299	0.8	54792.6
Mn 257.610	2829.47b	ppb	17.4261	0.6	556711
Mo 202.032	94.8934b	ppb	1.4703	1.5	655.322

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	352231xb	ppb	528.497	0.2	15822.8
Ni 231.604	101.432b	ppb	2.8389	2.8	312.250
Pb 220.353	94.8212b	ppb	0.6510	0.7	160.126
Sb 206.834	98.2145b	ppb	1.9741	2.0	134.490
Se 196.026	99.9932b	ppb	6.3830	6.4	48.6233
Sn 189.925	92.6341b	ppb	3.5254	3.8	64.5320
Sr 216.596	419.471b	ppb	1.4661	0.3	5238.03
Ti 334.941	104.364b	ppb	1.5545	1.5	30395.7
Tl 190.794	15.4954b	ppb	0.3085	2.0	9.8826
V 292.401	98.1299b	ppb	1.6135	1.6	2534.92
Zn 206.200	109.147b	ppb	2.3923	2.2	119.377

mb 680-353970/1-a (Samp) **10/17/2014, 8:08:11 PM** **Rack 2, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-0.1956u	0.1486	0.3528
Al 308.215	-8.4303u	-7.6824u	-6.9806u
As 188.980	-0.6422u	1.1631	-2.0626u
B 249.678	4.6122	4.2546	4.0374
Ba 389.178	0.6711	0.3063	-0.0171u
Be 313.042	-0.0171u	-0.0243u	-0.0239u
Ca 370.602	14.28	14.88	10.58
Cd 226.502	0.1232	0.2679	0.0806
Co 228.615	-0.4384u	-0.2472u	0.0404
Cr 267.716	0.0820	-0.0037u	0.0274
Cu 324.754	0.0761	0.1543	0.2449
Fe 271.441	4.6305	4.1191	6.0238
K 766.491	5.6738	5.6297	3.3148
Mg 279.078	2.6091	5.7391	4.7909
Mn 257.610	0.5400	0.5423	0.4308
Mo 202.032	0.4349	0.4441	-0.1408u
Na 330.237	-26.1228u	114.639	209.868
Ni 231.604	0.7332	0.2982	0.3343
Pb 220.353	-0.9252u	0.1531	0.7239
Sb 206.834	0.1747	0.7131	1.9251
Se 196.026	-2.3130u	-4.8484u	-6.0439u
Sn 189.925	0.1086	0.0044	-1.4841u
Sr 216.596	0.1393	0.7733	0.2835
Ti 334.941	0.0563	0.0467	0.0124
Tl 190.794	0.5137	-1.7212u	0.0813
V 292.401	-0.3855u	-0.2470u	-0.1708u
Zn 206.200	2.3763	3.3595	3.8271

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1019	ppb	0.2771	271.9	1.8619
Al 308.215	-7.6978	ppb	0.7250	9.4	551.609
As 188.980	-0.5139	ppb	1.6167	314.6	-5.5714
B 249.678	4.3014	ppb	0.2902	6.7	113.566
Ba 389.178	0.3201	ppb	0.3443	107.6	-73.7053
Be 313.042	-0.0218	ppb	0.0040	18.5	-279.314
Ca 370.602	13.25	ppb	2.329	17.6	58.77
Cd 226.502	0.1572	ppb	0.0981	62.4	16.1481
Co 228.615	-0.2151	ppb	0.2410	112.0	4.2894

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.0352	ppb	0.0434	123.2	36.3268
Cu 324.754	0.1584	ppb	0.0845	53.3	254.922
Fe 271.441	4.9245	ppb	0.9858	20.0	23.7977
K 766.491	4.8728	ppb	1.3495	27.7	461.388
Mg 279.078	4.3797	ppb	1.6050	36.6	35.4141
Mn 257.610	0.5044	ppb	0.0637	12.6	135.485
Mo 202.032	0.2461	ppb	0.3350	136.2	8.0782
Na 330.237	99.4614	ppb	118.725	119.4	30.1920
Ni 231.604	0.4553	ppb	0.2414	53.0	-4.2110
Pb 220.353	-0.0161	ppb	0.8375	5207.7	9.4615
Sb 206.834	0.9376	ppb	0.8965	95.6	-4.3179
Se 196.026	-4.4018	ppb	1.9051	43.3	-1.3038
Sn 189.925	-0.4570	ppb	0.8910	195.0	-6.0949
Sr 216.596	0.3987	ppb	0.3323	83.4	11.3012
Ti 334.941	0.0385	ppb	0.0231	59.9	-20.4600
Tl 190.794	-0.3754	ppb	1.1854	315.8	-8.1081
V 292.401	-0.2677	ppb	0.1088	40.7	-18.3508
Zn 206.200	3.1876	ppb	0.7405	23.2	3.7447

llcs 680-353970/2-a (Samp) **10/17/2014, 8:12:27 PM** **Rack 2, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	10.4359	10.3698	10.0585
Al 308.215	200.860	199.004	196.646
As 188.980	20.3249	14.8144	18.1280
B 249.678	102.179	103.066	102.392
Ba 389.178	10.6258	10.6201	11.3431
Be 313.042	4.0472	4.0350	4.0084
Ca 370.602	501.9	495.8	495.0
Cd 226.502	5.5640	5.5902	5.3241
Co 228.615	10.5998	10.4930	9.6738
Cr 267.716	10.5411	10.3684	10.4504
Cu 324.754	21.0194	21.5112	21.5169
Fe 271.441	55.1394	51.8234	56.7252
K 766.491	1105.81	1109.22	1097.58
Mg 279.078	507.375	510.079	505.177
Mn 257.610	10.6444	10.6535	10.5555
Mo 202.032	10.0075	10.0298	9.9039
Na 330.237	1243.40	1085.16	1176.92
Ni 231.604	42.1340	42.4110	40.9438
Pb 220.353	9.7399	11.1702	11.5405
Sb 206.834	23.9853	21.5778	22.7233
Se 196.026	19.0267	20.4560	20.0731
Sn 189.925	51.7881	52.4852	48.1123
Sr 216.596	10.2602	10.3420	9.8154
Ti 334.941	10.3996	10.3809	10.2958
Tl 190.794	27.8849	24.0511	22.4581
V 292.401	9.9391	9.8335	10.0219
Zn 206.200	23.6104	23.1718	23.6080

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.2880	ppb	0.2015	2.0	870.866
Al 308.215	198.836	ppb	2.1119	1.1	1937.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	17.7558	ppb	2.7740	15.6	6.7234
B 249.678	102.545	ppb	0.4632	0.5	1755.59
Ba 389.178	10.8630	ppb	0.4158	3.8	154.030
Be 313.042	4.0302	ppb	0.0198	0.5	7051.98
Ca 370.602	497.6	ppb	3.761	0.8	1468
Cd 226.502	5.4927	ppb	0.1467	2.7	241.311
Co 228.615	10.2556	ppb	0.5066	4.9	127.282
Cr 267.716	10.4533	ppb	0.0864	0.8	609.860
Cu 324.754	21.3492	ppb	0.2856	1.3	1825.63
Fe 271.441	54.5627	ppb	2.5013	4.6	103.396
K 766.491	1104.20	ppb	5.9833	0.5	49702.1
Mg 279.078	507.544	ppb	2.4554	0.5	1405.75
Mn 257.610	10.6178	ppb	0.0541	0.5	2128.30
Mo 202.032	9.9804	ppb	0.0672	0.7	74.6945
Na 330.237	1168.49	ppb	79.4520	6.8	77.6270
Ni 231.604	41.8296	ppb	0.7795	1.9	125.166
Pb 220.353	10.8169	ppb	0.9509	8.8	26.5305
Sb 206.834	22.7621	ppb	1.2042	5.3	26.8089
Se 196.026	19.8519	ppb	0.7399	3.7	10.1149
Sn 189.925	50.7952	ppb	2.3494	4.6	32.7295
Sr 216.596	10.1392	ppb	0.2834	2.8	130.828
Ti 334.941	10.3588	ppb	0.0553	0.5	2988.28
Tl 190.794	24.7980	ppb	2.7894	11.2	20.0574
V 292.401	9.9315	ppb	0.0944	1.0	246.156
Zn 206.200	23.4634	ppb	0.2525	1.1	25.9883

lcs 680-353970/4-a (Samp) **10/17/2014, 8:16:45 PM** **Rack 2, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	20.2039	20.0724	19.9004
Al 308.215	1927.17	1925.40	1916.27
As 188.980	35.6504	35.9162	37.1060
B 249.678	80.6572	79.8513	80.3543
Ba 389.178	40.3389	41.0124	39.9531
Be 313.042	19.8582	19.8501	19.7843
Ca 370.602	1905	1910	1912
Cd 226.502	20.6231	20.7624	20.7631
Co 228.615	19.8259	19.6738	20.0211
Cr 267.716	40.1759	40.1057	39.9264
Cu 324.754	40.4970	40.9159	40.2495
Fe 271.441	2023.39	2015.13	2010.88
K 766.491	2106.97	2097.15	2088.30
Mg 279.078	1961.16	1958.69	1950.38
Mn 257.610	202.665	202.408	201.711
Mo 202.032	38.5340	38.9475	39.0824
Na 330.237	1842.25	1870.54	1829.05
Ni 231.604	39.5238	41.0265	40.8704
Pb 220.353	205.738	204.391	200.603
Sb 206.834	23.1558	18.6864	18.7506
Se 196.026	39.9268	39.6394	38.9998
Sn 189.925	75.0169	80.1895	78.3367
Sr 216.596	39.5931	39.7810	39.5221
Ti 334.941	40.1382	40.0288	39.9273

Label	Replicates Concentration		
Tl 190.794	17.5213	13.6828	14.7323
V 292.401	39.2066	39.3244	39.3919
Zn 206.200	40.9520	43.1374	41.1243

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.0589	ppb	0.1522	0.8	1704.42
Al 308.215	1922.95	ppb	5.8466	0.3	13503.6
As 188.980	36.2242	ppb	0.7752	2.1	19.1500
B 249.678	80.2876	ppb	0.4071	0.5	1379.06
Ba 389.178	40.4348	ppb	0.5361	1.3	793.816
Be 313.042	19.8309	ppb	0.0405	0.2	35641.7
Ca 370.602	1909	ppb	3.718	0.2	5557
Cd 226.502	20.7162	ppb	0.0806	0.4	890.483
Co 228.615	19.8403	ppb	0.1741	0.9	239.944
Cr 267.716	40.0694	ppb	0.1287	0.3	2241.95
Cu 324.754	40.5541	ppb	0.3369	0.8	3250.50
Fe 271.441	2016.47	ppb	6.3646	0.3	3195.89
K 766.491	2097.47	ppb	9.3397	0.4	94192.1
Mg 279.078	1956.74	ppb	5.6443	0.3	5348.66
Mn 257.610	202.261	ppb	0.4937	0.2	39836.4
Mo 202.032	38.8546	ppb	0.2857	0.7	272.208
Na 330.237	1847.28	ppb	21.1958	1.1	107.163
Ni 231.604	40.4735	ppb	0.8262	2.0	121.070
Pb 220.353	203.577	ppb	2.6627	1.3	330.566
Sb 206.834	20.1976	ppb	2.5620	12.7	23.0651
Se 196.026	39.5220	ppb	0.4745	1.2	19.4380
Sn 189.925	77.8477	ppb	2.6207	3.4	53.2223
Sr 216.596	39.6321	ppb	0.1337	0.3	498.482
Ti 334.941	40.0314	ppb	0.1055	0.3	11639.4
Tl 190.794	15.3121	ppb	1.9839	13.0	9.2609
V 292.401	39.3076	ppb	0.0938	0.2	1008.63
Zn 206.200	41.7379	ppb	1.2150	2.9	45.8830

Cont Calib Verif (CCV) **10/17/2014, 8:21:01 PM** **Rack 2, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	492.618	488.835	493.242
Al 308.215	4797.02	4800.89	4800.26
As 188.980	454.073	460.975	454.462
B 249.678	481.746	483.565	485.305
Ba 389.178	4964.09	4967.19	4969.59
Be 313.042	489.572	489.843	488.223
Ca 370.602	4688	4680	4677
Cd 226.502	498.241	498.867	500.471
Co 228.615	487.386	488.052	488.938
Cr 267.716	4878.73	4875.47	4873.43
Cu 324.754	4985.48	4924.98	4984.20
Fe 271.441	4839.36	4851.14	4855.56
K 766.491	10023.3	10031.9	9981.10
Mg 279.078	4803.69	4806.68	4816.96
Mn 257.610	4820.68	4793.60	4799.06
Mo 202.032	484.995	485.657	484.774
Na 330.237	7578.70	7496.99	7478.47

Label	Replicates Concentration		
Ni 231.604	2481.89	2484.41	2486.85
Pb 220.353	493.805	496.466	500.706
Sb 206.834	934.152	941.787	935.755
Se 196.026	4836.72	4815.90	4801.63
Sn 189.925	4872.71	4897.36	4884.01
Sr 216.596	2455.87	2457.97	2463.63
Ti 334.941	488.855	488.853	487.906
Tl 190.794	4899.47	4917.91	4914.47
V 292.401	4768.00	4755.40	4747.89
Zn 206.200	2429.30	2415.23	2425.49

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.565	ppb	2.3847	0.5	41893.6	98.31306
Al 308.215	4799.39	ppb	2.0769	0.0	33294.7	95.98780
As 188.980	456.503	ppb	3.8776	0.8	301.887	91.30058
B 249.678	483.538	ppb	1.7793	0.4	8125.31	96.70769
Ba 389.178	4966.96	ppb	2.7571	0.1	106863	99.33920
Be 313.042	489.213	ppb	0.8676	0.2	885205	97.84254
Ca 370.602	4682	ppb	5.948	0.1	13934	93.63467
Cd 226.502	499.193	ppb	1.1504	0.2	21076.3	99.83856
Co 228.615	488.125	ppb	0.7786	0.2	5748.91	97.62508
Cr 267.716	4875.88	ppb	2.6760	0.1	268452	97.51755
Cu 324.754	4964.88	ppb	34.5675	0.7	368136	99.29768
Fe 271.441	4848.69	ppb	8.3715	0.2	7764.85	96.97372
K 766.491	10012.1	ppb	27.1990	0.3	448700	100.12106
Mg 279.078	4809.11	ppb	6.9574	0.1	13018.5	96.18222
Mn 257.610	4804.45	ppb	14.3224	0.3	945029	96.08891
Mo 202.032	485.142	ppb	0.4592	0.1	3321.53	97.02841
Na 330.237	7518.05	ppb	53.3320	0.7	304.544	100.24068
Ni 231.604	2484.38	ppb	2.4802	0.1	7763.49	99.37528
Pb 220.353	496.992	ppb	3.4809	0.7	797.367	99.39845
Sb 206.834	937.231	ppb	4.0260	0.4	1382.88	93.72313
Se 196.026	4818.08	ppb	17.6472	0.4	2269.77	96.36163
Sn 189.925	4884.69	ppb	12.3379	0.3	3694.45	97.69389
Sr 216.596	2459.16	ppb	4.0158	0.2	30373.3	98.36624
Ti 334.941	488.538	ppb	0.5475	0.1	142364	97.70757
Tl 190.794	4910.62	ppb	9.8044	0.2	5493.85	98.21236
V 292.401	4757.09	ppb	10.1614	0.2	123958	95.14189
Zn 206.200	2423.34	ppb	7.2777	0.3	2647.19	96.93360

Cont Calib Blank (CCB) **10/17/2014, 8:25:17 PM** **Rack 2, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	-0.2117u	-0.2120u	-0.2692u
Al 308.215	-6.5612u	-6.0464u	-5.7253u
As 188.980	-0.6825u	-2.6336u	-1.9760u
B 249.678	8.2769	7.8239	6.7761
Ba 389.178	1.6031	0.3959	0.7304
Be 313.042	0.0069	0.0181	0.0172
Ca 370.602	1.283	6.785	-2.642u
Cd 226.502	0.1691	0.1631	0.1320
Co 228.615	-0.1197u	-0.0826u	0.1589
Cr 267.716	0.4540	0.4866	0.6160

Label	Replicates Concentration		
Cu 324.754	0.7383	0.7427	0.6874
Fe 271.441	1.8451	5.2811	-1.5235u
K 766.491	1.1326	1.4408	1.1840
Mg 279.078	-2.4850u	2.3469	0.9000
Mn 257.610	0.5040	0.6601	0.6099
Mo 202.032	1.0214	1.4693	1.0578
Na 330.237	263.931	33.3720	78.5747
Ni 231.604	-0.3668u	-0.1188u	-0.0513u
Pb 220.353	0.8634	0.0442	0.4506
Sb 206.834	2.6867	1.2341	4.8437
Se 196.026	-0.9609u	-1.6586u	4.5083
Sn 189.925	-0.7136u	1.8304	0.7604
Sr 216.596	-0.2632u	0.2645	0.1367
Ti 334.941	0.0563	0.0792	0.1519
Tl 190.794	1.1869	0.9013	0.0697
V 292.401	0.2511	0.3004	0.3813
Zn 206.200	1.8726	1.8396	2.9908

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2310	ppb	0.0331	14.3	-26.5444	-0.23098
Al 308.215	-6.1109	ppb	0.4216	6.9	562.357	-6.11094
As 188.980	-1.7640	ppb	0.9927	56.3	-6.4130	-1.76402
B 249.678	7.6257	ppb	0.7698	10.1	169.152	7.62566
Ba 389.178	0.9098	ppb	0.6233	68.5	-61.0097	0.90980
Be 313.042	0.0141	ppb	0.0062	44.4	-214.599	0.01407
Ca 370.602	1.808	ppb	4.735	261.9	25.64	1.80836
Cd 226.502	0.1547	ppb	0.0199	12.9	16.0422	0.15473
Co 228.615	-0.0145	ppb	0.1513	1045.4	6.6221	-0.01447
Cr 267.716	0.5189	ppb	0.0857	16.5	62.9476	0.51888
Cu 324.754	0.7228	ppb	0.0307	4.3	296.777	0.72280
Fe 271.441	1.8675	ppb	3.4023	182.2	19.0152	1.86754
K 766.491	1.2524	ppb	0.1651	13.2	299.229	1.25245
Mg 279.078	0.2539	ppb	2.4799	976.6	24.1732	0.25394
Mn 257.610	0.5913	ppb	0.0797	13.5	152.565	0.59134
Mo 202.032	1.1828	ppb	0.2487	21.0	14.4897	1.18283
Na 330.237	125.292	ppb	122.173	97.5	31.3739	125.29238
Ni 231.604	-0.1790	ppb	0.1661	92.8	-6.1952	-0.17899
Pb 220.353	0.4527	ppb	0.4096	90.5	10.1996	0.45273
Sb 206.834	2.9215	ppb	1.8162	62.2	-1.4953	2.92151
Se 196.026	0.6296	ppb	3.3771	536.4	1.0644	0.62958
Sn 189.925	0.6257	ppb	1.2773	204.1	-5.2747	0.62574
Sr 216.596	0.0460	ppb	0.2753	598.5	6.9345	0.04600
Ti 334.941	0.0958	ppb	0.0499	52.1	-3.7551	0.09580
Tl 190.794	0.7193	ppb	0.5804	80.7	-6.8854	0.71931
V 292.401	0.3109	ppb	0.0657	21.1	-3.4095	0.31093
Zn 206.200	2.2343	ppb	0.6553	29.3	2.6954	2.23430

560-50465-e-1-a (Samp) **10/17/2014, 8:29:33 PM** **Rack 2, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-0.2220u	-0.0945u	-0.1914u
Al 308.215	10.1010	11.2872	9.8059
As 188.980	33.1757	27.6748	33.7422

Label	Replicates Concentration		
B 249.678	2222.86	2241.59	2245.12
Ba 389.178	32.1763	31.7454	32.5101
Be 313.042	0.0217u	0.0087u	0.0106u
Ca 370.602	12019	12032	11956
Cd 226.502	-0.2146u	-0.2797u	-0.2933u
Co 228.615	-0.5732u	-0.4722u	-0.3788u
Cr 267.716	-0.1345	0.0154	-0.1134
Cu 324.754	0.6257	0.7886	0.8178
Fe 271.441	12.3266	16.3934	14.9590
K 766.491	29446.5	29464.2	29479.6
Mg 279.078	120.448	117.978	121.601
Mn 257.610	8.6962	8.7117	8.7032
Mo 202.032	14.8015	15.1450	15.4477
Na 330.237	597679x	603243x	599652x
Ni 231.604	0.6872	0.4913	0.0597
Pb 220.353	3.3364	2.9454	-0.6426u
Sb 206.834	4.4057	5.0074	2.9062
Se 196.026	-0.4139u	-3.3079u	0.8394
Sn 189.925	-1.8160u	-0.5283u	-0.2635u
Sr 216.596	98.6413	99.1571	98.5118
Ti 334.941	0.1390u	0.1282u	0.1233u
Tl 190.794	-1.9584u	1.1117	-4.5729u
V 292.401	5.0163	4.4437	4.7083
Zn 206.200	12.2076	11.0301	13.4284

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1693b	ppb	0.0666	39.3	-24.7112
Al 308.215	10.3980b	ppb	0.7841	7.5	674.304
As 188.980	31.5309b	ppb	3.3515	10.6	15.9911
B 249.678	2236.52b	ppb	11.9618	0.5	37418.2
Ba 389.178	32.1439b	ppb	0.3834	1.2	611.599
Be 313.042	0.0137b	ppb	0.0070	51.3	-279.081
Ca 370.602	12002b	ppb	40.48	0.3	34832
Cd 226.502	-0.2625b	ppb	0.0421	16.0	-5.1796
Co 228.615	-0.4747b	ppb	0.0972	20.5	0.8294
Cr 267.716	-0.0775b	ppb	0.0811	104.7	42.0152
Cu 324.754	0.7440b	ppb	0.1035	13.9	298.876
Fe 271.441	14.5596b	ppb	2.0626	14.2	39.0059
K 766.491	29463.4b	ppb	16.5912	0.1	1319955
Mg 279.078	120.009b	ppb	1.8514	1.5	350.210
Mn 257.610	8.7037b	ppb	0.0077	0.1	1746.42
Mo 202.032	15.1314b	ppb	0.3233	2.1	109.960
Na 330.237	600192xb	ppb	2821.01	0.5	26951.8
Ni 231.604	0.4127b	ppb	0.3211	77.8	-4.3423
Pb 220.353	1.8797b	ppb	2.1932	116.7	12.4322
Sb 206.834	4.1065b	ppb	1.0821	26.4	-0.0623
Se 196.026	-0.9608b	ppb	2.1271	221.4	0.3179
Sn 189.925	-0.8693b	ppb	0.8305	95.5	-6.2186
Sr 216.596	98.7701b	ppb	0.3414	0.3	1233.44
Ti 334.941	0.1302b	ppb	0.0080	6.2	-40.7680
Tl 190.794	-1.8065b	ppb	2.8453	157.5	-9.7520
V 292.401	4.7227b	ppb	0.2866	6.1	105.169
Zn 206.200	12.2220b	ppb	1.1992	9.8	13.6710

560-50465-e-1-aSD (Samp) **10/17/2014, 8:33:49 PM** **Rack 2, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2295u	0.0361	-0.1731u
Al 308.215	0.1924	1.0324	1.4405
As 188.980	2.6125	2.6545	2.1940
B 249.678	465.802	461.942	462.312
Ba 389.178	7.2975	6.1175	6.6423
Be 313.042	-0.0197u	-0.0154u	-0.0137u
Ca 370.602	2379	2390	2387
Cd 226.502	0.0844	-0.0388u	0.0724
Co 228.615	-0.2108u	-0.6788u	-0.1362u
Cr 267.716	0.0913	0.0609	0.1128
Cu 324.754	0.3066	0.2909	0.2930
Fe 271.441	-2.6710u	3.0400	5.2775
K 766.491	4697.56	4692.35	4702.88
Mg 279.078	22.6390	27.9867	22.5749
Mn 257.610	1.8419	1.8876	1.9280
Mo 202.032	2.8682	2.9421	2.8140
Na 330.237	101752x	101510x	101833x
Ni 231.604	0.7777	-0.3365u	-0.1098u
Pb 220.353	-1.4926u	2.8704	-0.0042u
Sb 206.834	3.0190	1.6863	2.9343
Se 196.026	-2.8650u	0.9795	4.5257
Sn 189.925	-0.6712u	-0.8683u	-0.9802u
Sr 216.596	19.5014	19.9013	19.6338
Ti 334.941	0.0215u	0.0156u	0.0702
Tl 190.794	-1.1702u	-0.4680u	-1.8242u
V 292.401	0.9015	0.8501	1.0413
Zn 206.200	2.6861	4.6036	5.2198

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1222b	ppb	0.1399	114.5	-17.9341
Al 308.215	0.8884b	ppb	0.6364	71.6	609.423
As 188.980	2.4870b	ppb	0.2546	10.2	-3.5524
B 249.678	463.352b	ppb	2.1297	0.5	7785.16
Ba 389.178	6.6858b	ppb	0.5912	8.8	63.3704
Be 313.042	-0.0163b	ppb	0.0031	19.0	-280.133
Ca 370.602	2385b	ppb	5.521	0.2	6939
Cd 226.502	0.0393b	ppb	0.0679	172.7	10.5581
Co 228.615	-0.3419b	ppb	0.2941	86.0	2.7247
Cr 267.716	0.0884b	ppb	0.0261	29.5	41.2753
Cu 324.754	0.2969b	ppb	0.0085	2.9	265.279
Fe 271.441	1.8822b	ppb	4.0987	217.8	18.9840
K 766.491	4697.60b	ppb	5.2679	0.1	210656
Mg 279.078	24.4002b	ppb	3.1062	12.7	89.9185
Mn 257.610	1.8858b	ppb	0.0430	2.3	406.908
Mo 202.032	2.8748b	ppb	0.0643	2.2	26.0704
Na 330.237	101698xb	ppb	168.144	0.2	4588.18
Ni 231.604	0.1105b	ppb	0.5889	533.1	-5.2886
Pb 220.353	0.4579b	ppb	2.2179	484.4	10.2055
Sb 206.834	2.5465b	ppb	0.7462	29.3	-2.0679
Se 196.026	0.8801b	ppb	3.6964	420.0	1.1826
Sn 189.925	-0.8399b	ppb	0.1565	18.6	-6.3528
Sr 216.596	19.6788b	ppb	0.2037	1.0	250.835

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0358b	ppb	0.0300	83.8	-29.2491
Tl 190.794	-1.1541b	ppb	0.6783	58.8	-8.9873
V 292.401	0.9310b	ppb	0.0990	10.6	11.7731
Zn 206.200	4.1698b	ppb	1.3214	31.7	4.8235

560-50465-e-1-aPDS (Samp) **10/17/2014, 8:38:05 PM** **Rack 2, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	102.860	102.365	103.028
Al 308.215	1029.15	1025.01	1033.87
As 188.980	134.473	133.138	135.785
B 249.678	2426.08	2428.32	2451.60
Ba 389.178	113.412	113.038	114.155
Be 313.042	98.6211	97.9210	98.3554
Ca 370.602	21944	21766	21768
Cd 226.502	98.3431	98.2458	98.8714
Co 228.615	97.2885	97.3006	97.3491
Cr 267.716	99.5849	98.8234	99.4296
Cu 324.754	103.503	102.812	103.800
Fe 271.441	9764.62	9691.01	9712.79
K 766.491	42925.6x	42839.7x	43066.3x
Mg 279.078	9569.51	9518.82	9560.39
Mn 257.610	1016.09	1010.34	1010.80
Mo 202.032	111.374	110.328	111.231
Na 330.237	604365x	600759x	606649x
Ni 231.604	97.3476	97.0569	96.6544
Pb 220.353	99.4640	97.6659	96.2876
Sb 206.834	99.0922	101.176	101.882
Se 196.026	108.477	106.700	99.5189
Sn 189.925	98.3450	101.603	97.6014
Sr 216.596	196.056	194.628	195.354
Ti 334.941	99.3008	98.7369	99.2618
Tl 190.794	18.5590	18.2435	15.5603
V 292.401	103.132	102.540	102.573
Zn 206.200	112.181	114.069	108.997

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	102.751b	ppb	0.3444	0.3	8758.91
Al 308.215	1029.34b	ppb	4.4347	0.4	7536.16
As 188.980	134.465b	ppb	1.3238	1.0	85.1865
B 249.678	2435.34b	ppb	14.1285	0.6	40719.6
Ba 389.178	113.535b	ppb	0.5686	0.5	2382.20
Be 313.042	98.2992b	ppb	0.3534	0.4	177566
Ca 370.602	21826b	ppb	102.4	0.5	63277
Cd 226.502	98.4868b	ppb	0.3366	0.3	4194.64
Co 228.615	97.3127b	ppb	0.0321	0.0	1150.37
Cr 267.716	99.2793b	ppb	0.4024	0.4	5520.21
Cu 324.754	103.372b	ppb	0.5068	0.5	7911.26
Fe 271.441	9722.81b	ppb	37.8127	0.4	15347.4
K 766.491	42943.9xb	ppb	114.419	0.3	1923763
Mg 279.078	9549.57b	ppb	27.0227	0.3	26015.2
Mn 257.610	1012.41b	ppb	3.1942	0.3	199249
Mo 202.032	110.978b	ppb	0.5671	0.5	765.445

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	603925xb	ppb	2969.28	0.5	27114.6
Ni 231.604	97.0196b	ppb	0.3481	0.4	298.391
Pb 220.353	97.8058b	ppb	1.5928	1.6	164.389
Sb 206.834	100.717b	ppb	1.4504	1.4	137.782
Se 196.026	104.899b	ppb	4.7430	4.5	50.4739
Sn 189.925	99.1832b	ppb	2.1285	2.1	69.5742
Sr 216.596	195.346b	ppb	0.7141	0.4	2440.43
Ti 334.941	99.0999b	ppb	0.3149	0.3	28821.8
Tl 190.794	17.4542b	ppb	1.6478	9.4	11.1171
V 292.401	102.748b	ppb	0.3328	0.3	2650.83
Zn 206.200	111.749b	ppb	2.5635	2.3	122.266

560-50465-e-1-b ms (Samp) **10/17/2014, 8:42:21 PM** **Rack 2, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	21.7862	21.7303	21.6017
Al 308.215	2154.62	2159.10	2157.95
As 188.980	75.2599	78.1695	77.8348
B 249.678	2349.52	2357.41	2361.45
Ba 389.178	74.4768	73.0956	74.5820
Be 313.042	21.0051	21.0588	21.1085
Ca 370.602	13928	13954	13963
Cd 226.502	21.1049	21.2664	21.0776
Co 228.615	19.6197	20.6381	20.3220
Cr 267.716	41.5341	41.3861	41.3900
Cu 324.754	43.9731	44.0525	44.1823
Fe 271.441	2067.57	2063.18	2061.33
K 766.491	32339.8	32454.2	32456.7
Mg 279.078	2106.53	2103.07	2104.67
Mn 257.610	218.714	218.754	219.082
Mo 202.032	55.7156	55.4201	55.6930
Na 330.237	593870x	600218x	597651x
Ni 231.604	42.1019	41.8984	40.4325
Pb 220.353	206.527	205.010	206.274
Sb 206.834	21.7587	25.4377	23.6231
Se 196.026	45.0755	40.5705	46.6471
Sn 189.925	76.7216	83.0048	86.1166
Sr 216.596	138.943	139.313	139.691
Ti 334.941	41.4093	41.4511	41.6005
Tl 190.794	14.6966	17.7744	11.5973
V 292.401	45.7683	45.7557	45.9829
Zn 206.200	52.1989	54.0848	55.9986

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.7061b	ppb	0.0946	0.4	1841.57
Al 308.215	2157.22b	ppb	2.3280	0.1	15075.7
As 188.980	77.0881b	ppb	1.5920	2.1	46.6495
B 249.678	2356.13b	ppb	6.0645	0.3	39412.5
Ba 389.178	74.0515b	ppb	0.8295	1.1	1517.78
Be 313.042	21.0575b	ppb	0.0517	0.2	37797.7
Ca 370.602	13948b	ppb	17.80	0.1	40476
Cd 226.502	21.1496b	ppb	0.1020	0.5	905.284
Co 228.615	20.1933b	ppb	0.5212	2.6	243.669

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	41.4367b	ppb	0.0843	0.2	2329.06
Cu 324.754	44.0693b	ppb	0.1056	0.2	3511.62
Fe 271.441	2064.03b	ppb	3.2042	0.2	3270.92
K 766.491	32416.9b	ppb	66.7552	0.2	1452246
Mg 279.078	2104.76b	ppb	1.7312	0.1	5751.47
Mn 257.610	218.850b	ppb	0.2017	0.1	43097.8
Mo 202.032	55.6096b	ppb	0.1645	0.3	386.884
Na 330.237	597246xb	ppb	3193.30	0.5	26818.1
Ni 231.604	41.4776b	ppb	0.9108	2.2	124.214
Pb 220.353	205.937b	ppb	0.8127	0.4	334.267
Sb 206.834	23.6065b	ppb	1.8395	7.8	27.6524
Se 196.026	44.0977b	ppb	3.1541	7.2	21.5956
Sn 189.925	81.9477b	ppb	4.7859	5.8	56.5150
Sr 216.596	139.316b	ppb	0.3741	0.3	1736.83
Ti 334.941	41.4870b	ppb	0.1005	0.2	12017.0
Tl 190.794	14.6894b	ppb	3.0886	21.0	8.5173
V 292.401	45.8356b	ppb	0.1277	0.3	1172.05
Zn 206.200	54.0941b	ppb	1.8999	3.5	59.4540

560-50465-e-1-c msd (Samp) **10/17/2014, 8:46:36 PM** **Rack 2, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	21.0154	20.8414	20.9062
Al 308.215	2082.32	2088.99	2083.63
As 188.980	73.4086	75.5891	73.0368
B 249.678	2271.25	2281.36	2286.98
Ba 389.178	71.4754	71.4722	72.3097
Be 313.042	20.2720	20.3379	20.3238
Ca 370.602	13313	13358	13323
Cd 226.502	20.4827	20.5511	20.4757
Co 228.615	19.5149	19.2214	19.0112
Cr 267.716	39.9237	39.8325	39.8035
Cu 324.754	42.4271	42.6714	42.6686
Fe 271.441	1985.68	1985.85	1989.80
K 766.491	31340.5	31378.4	31405.4
Mg 279.078	2019.32	2027.09	2025.05
Mn 257.610	209.218	209.741	209.223
Mo 202.032	52.5574	54.0277	53.8360
Na 330.237	581579x	583560x	585308x
Ni 231.604	38.6372	39.1647	39.7480
Pb 220.353	197.138	202.280	200.708
Sb 206.834	23.4640	22.6795	19.1117
Se 196.026	43.9439	49.2918	46.2199
Sn 189.925	76.8590	75.1842	83.0220
Sr 216.596	134.627	134.003	134.853
Ti 334.941	39.9876	40.2102	40.2510
Tl 190.794	14.5096	17.5835	12.5561
V 292.401	44.0774	43.9797	43.9849
Zn 206.200	54.5081	51.7611	53.9601

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.9210b	ppb	0.0879	0.4	1774.66
Al 308.215	2084.98b	ppb	3.5363	0.2	14591.1

E10172014.wvq. All Data Report 10/18/2014, 10:20:45 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	74.0115b	ppb	1.3788	1.9	44.5792
B 249.678	2279.86b	ppb	7.9679	0.3	38138.1
Ba 389.178	71.7525b	ppb	0.4826	0.7	1468.13
Be 313.042	20.3112b	ppb	0.0347	0.2	36449.1
Ca 370.602	13331b	ppb	23.48	0.2	38686
Cd 226.502	20.5032b	ppb	0.0417	0.2	877.830
Co 228.615	19.2492b	ppb	0.2530	1.3	232.594
Cr 267.716	39.8532b	ppb	0.0627	0.2	2241.52
Cu 324.754	42.5890b	ppb	0.1402	0.3	3401.83
Fe 271.441	1987.11b	ppb	2.3301	0.1	3149.62
K 766.491	31374.7b	ppb	32.6079	0.1	1405565
Mg 279.078	2023.82b	ppb	4.0283	0.2	5531.19
Mn 257.610	209.394b	ppb	0.3004	0.1	41237.3
Mo 202.032	53.4737b	ppb	0.7993	1.5	372.270
Na 330.237	583483xb	ppb	1865.91	0.3	26200.7
Ni 231.604	39.1833b	ppb	0.5556	1.4	117.034
Pb 220.353	200.042b	ppb	2.6346	1.3	324.969
Sb 206.834	21.7517b	ppb	2.3198	10.7	25.0186
Se 196.026	46.4852b	ppb	2.6838	5.8	22.7167
Sn 189.925	78.3551b	ppb	4.1275	5.3	53.7888
Sr 216.596	134.494b	ppb	0.4399	0.3	1676.95
Ti 334.941	40.1496b	ppb	0.1418	0.4	11628.3
Tl 190.794	14.8830b	ppb	2.5344	17.0	8.7421
V 292.401	44.0140b	ppb	0.0550	0.1	1124.91
Zn 206.200	53.4098b	ppb	1.4539	2.7	58.7100

560-50465-e-2-a (Samp) **10/17/2014, 8:50:52 PM** **Rack 2, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	-0.1154u	-0.0407u	-0.1385u
Al 308.215	371.024	368.680	368.990
As 188.980	-7.2351u	-3.6279u	-3.3487u
B 249.678	2942.63	2941.72	2949.67
Ba 389.178	75.8814	76.0189	75.5271
Be 313.042	0.0475u	0.0489u	0.0492u
Ca 370.602	2100	2086	2110
Cd 226.502	0.0466u	0.2940	0.1129
Co 228.615	-0.6004u	0.1002	-0.0776u
Cr 267.716	-0.0579	0.1458	0.1841
Cu 324.754	6.2566	6.3363	6.2728
Fe 271.441	884.115	882.697	887.844
K 766.491	5861.68	5868.71	5835.63
Mg 279.078	706.326	701.305	702.427
Mn 257.610	5.3884	5.3982	5.4966
Mo 202.032	4.9210	5.3517	4.9732
Na 330.237	1256206x	1253782x	1259953x
Ni 231.604	0.3243	0.3558	0.9912
Pb 220.353	3.1624	1.9341	3.0051
Sb 206.834	0.6384	1.9908	2.3778
Se 196.026	17.6650	4.4749	8.8739
Sn 189.925	-5.3639u	-2.5325u	-2.3774u
Sr 216.596	251.990	249.877	251.434
Ti 334.941	1.5024	1.5149	1.4892

Label	Replicates Concentration		
Tl 190.794	-4.5075u	-1.7236u	-2.9461u
V 292.401	0.5326	0.7564	0.8248
Zn 206.200	61.8260	62.4149	60.7732

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0982b	ppb	0.0511	52.1	-24.2160
Al 308.215	369.565b	ppb	1.2732	0.3	3082.49
As 188.980	-4.7373b	ppb	2.1677	45.8	-8.4170
B 249.678	2944.67b	ppb	4.3540	0.1	49250.6
Ba 389.178	75.8091b	ppb	0.2537	0.3	1552.76
Be 313.042	0.0485b	ppb	0.0009	1.9	-286.809
Ca 370.602	2099b	ppb	11.70	0.6	6097
Cd 226.502	0.1512b	ppb	0.1280	84.7	11.5326
Co 228.615	-0.1926b	ppb	0.3642	189.1	4.5073
Cr 267.716	0.0907b	ppb	0.1301	143.5	64.5304
Cu 324.754	6.2886b	ppb	0.0421	0.7	709.807
Fe 271.441	884.886b	ppb	2.6582	0.3	1410.18
K 766.491	5855.34b	ppb	17.4274	0.3	262513
Mg 279.078	703.353b	ppb	2.6353	0.4	1939.19
Mn 257.610	5.4277b	ppb	0.0598	1.1	1105.55
Mo 202.032	5.0820b	ppb	0.2351	4.6	41.1371
Na 330.237	1256647xb	ppb	3109.07	0.2	56400.9
Ni 231.604	0.5571b	ppb	0.3763	67.5	-3.8159
Pb 220.353	2.7005b	ppb	0.6684	24.8	13.7923
Sb 206.834	1.6690b	ppb	0.9132	54.7	-3.3292
Se 196.026	10.3379b	ppb	6.7158	65.0	5.6433
Sn 189.925	-3.4246b	ppb	1.6813	49.1	-7.9514
Sr 216.596	251.100b	ppb	1.0951	0.4	3115.90
Ti 334.941	1.5022b	ppb	0.0128	0.9	309.449
Tl 190.794	-3.0591b	ppb	1.3954	45.6	-11.2452
V 292.401	0.7046b	ppb	0.1528	21.7	-2.5504
Zn 206.200	61.6714b	ppb	0.8317	1.3	67.9657

480-69017-a-1-a (Samp) **10/17/2014, 8:55:09 PM** **Rack 2, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	0.2110u	0.1964u	-0.1386u
Al 308.215	19.0536	20.2710	20.3535
As 188.980	-0.0824u	0.4251	-1.0385u
B 249.678	80.5508	75.6908	70.6372
Ba 389.178	84.2503	84.9170	84.0984
Be 313.042	-0.0200u	-0.0133u	-0.0191u
Ca 370.602	51179	51278	51177
Cd 226.502	0.1457	0.1966	0.0753
Co 228.615	0.4653	0.3953	0.5382
Cr 267.716	0.0713	0.2367	0.2793
Cu 324.754	10.8253	10.9965	10.8704
Fe 271.441	117.218	121.418	111.011
K 766.491	22337.0	22279.0	22261.8
Mg 279.078	7742.57	7755.95	7763.30
Mn 257.610	27.9886	28.0366	28.0161
Mo 202.032	-0.2769u	0.3550	-0.0640u
Na 330.237	285144x	285838x	286636x

Label	Replicates Concentration		
Ni 231.604	1.0071	1.3630	2.3815
Pb 220.353	-0.3998u	-0.6636u	1.5068
Sb 206.834	2.9966	3.0709	5.4287
Se 196.026	0.9203	-2.3041u	1.1262
Sn 189.925	-2.7295u	0.1987	1.2057
Sr 216.596	739.792	740.393	742.510
Ti 334.941	0.2039	0.0929	0.0727
Tl 190.794	0.8591	0.8172	0.2719
V 292.401	-0.1950u	-0.3117u	-0.1714u
Zn 206.200	11.2206	10.5787	12.6544

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0896b	ppb	0.1978	220.7	-25.7471
Al 308.215	19.8927b	ppb	0.7278	3.7	736.773
As 188.980	-0.2319b	ppb	0.7432	320.4	-5.3820
B 249.678	75.6262b	ppb	4.9571	6.6	1305.37
Ba 389.178	84.4219b	ppb	0.4355	0.5	1747.35
Be 313.042	-0.0174b	ppb	0.0036	20.9	-284.810
Ca 370.602	51211b	ppb	58.11	0.1	148553
Cd 226.502	0.1392b	ppb	0.0609	43.7	14.1846
Co 228.615	0.4662b	ppb	0.0714	15.3	12.3291
Cr 267.716	0.1957b	ppb	0.1099	56.1	50.9713
Cu 324.754	10.8974b	ppb	0.0888	0.8	1050.81
Fe 271.441	116.549b	ppb	5.2358	4.5	199.740
K 766.491	22292.6b	ppb	39.4107	0.2	998763
Mg 279.078	7753.94b	ppb	10.5083	0.1	21144.9
Mn 257.610	28.0138b	ppb	0.0241	0.1	5600.25
Mo 202.032	0.0047b	ppb	0.3215	6866.3	6.4203
Na 330.237	285873xb	ppb	746.575	0.3	12850.6
Ni 231.604	1.5839b	ppb	0.7133	45.0	-0.6729
Pb 220.353	0.1478b	ppb	1.1843	801.3	9.7333
Sb 206.834	3.8321b	ppb	1.3832	36.1	-0.1732
Se 196.026	-0.0859b	ppb	1.9238	2239.8	0.7354
Sn 189.925	-0.4417b	ppb	2.0443	462.8	-5.9943
Sr 216.596	740.898b	ppb	1.4282	0.2	9197.00
Ti 334.941	0.1232b	ppb	0.0707	57.4	-4.2008
Tl 190.794	0.6494b	ppb	0.3276	50.4	-6.9593
V 292.401	-0.2260b	ppb	0.0752	33.3	-19.1701
Zn 206.200	11.4846b	ppb	1.0627	9.3	12.8553

480-69017-a-2-a (Samp) **10/17/2014, 8:59:26 PM** **Rack 2, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	0.2835u	0.1796u	0.0058u
Al 308.215	17.8382	18.4986	19.5261
As 188.980	-2.9123u	-5.8744u	-0.5024u
B 249.678	43.9921	44.0815	42.9819
Ba 389.178	83.3592	82.9084	83.3112
Be 313.042	-0.0136u	-0.0225u	-0.0180u
Ca 370.602	49997	49988	50143
Cd 226.502	0.2962	0.1969	0.3067
Co 228.615	-0.0638u	0.3294	0.3339
Cr 267.716	0.1707	0.1224	0.0676

Label	Replicates Concentration		
Cu 324.754	28.9491	28.8068	28.7460
Fe 271.441	51.1609	51.9877	49.4954
K 766.491	21112.5	21093.4	20970.9
Mg 279.078	7545.69	7526.15	7529.82
Mn 257.610	23.2400	23.2514	23.3431
Mo 202.032	-0.4082u	0.1982	-0.4791u
Na 330.237	286523x	286512x	286736x
Ni 231.604	2.0344	1.6443	1.8239
Pb 220.353	2.1033	0.8102	0.7391
Sb 206.834	2.7747	1.3839	0.1282
Se 196.026	0.5460	1.1258	1.2841
Sn 189.925	1.7276	3.0440	-1.8369u
Sr 216.596	744.430	740.742	743.358
Ti 334.941	0.0653	0.0405	0.0630
Tl 190.794	1.7022	-1.6307u	-2.0990u
V 292.401	-0.1277u	-0.2179u	-0.3121u
Zn 206.200	22.7327	22.8344	21.9037

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1563b	ppb	0.1403	89.7	-20.1461
Al 308.215	18.6210b	ppb	0.8506	4.6	728.138
As 188.980	-3.0964b	ppb	2.6907	86.9	-7.3094
B 249.678	43.6852b	ppb	0.6107	1.4	771.692
Ba 389.178	83.1930b	ppb	0.2476	0.3	1720.58
Be 313.042	-0.0180b	ppb	0.0044	24.5	-286.252
Ca 370.602	50043b	ppb	87.14	0.2	145164
Cd 226.502	0.2666b	ppb	0.0606	22.7	19.2988
Co 228.615	0.1998b	ppb	0.2283	114.2	9.1925
Cr 267.716	0.1203b	ppb	0.0516	42.9	46.7685
Cu 324.754	28.8340b	ppb	0.1042	0.4	2380.04
Fe 271.441	50.8814b	ppb	1.2694	2.5	96.2333
K 766.491	21058.9b	ppb	76.8640	0.4	943505
Mg 279.078	7533.89b	ppb	10.3868	0.1	20545.5
Mn 257.610	23.2782b	ppb	0.0565	0.2	4667.20
Mo 202.032	-0.2297b	ppb	0.3722	162.0	4.8190
Na 330.237	286591xb	ppb	126.467	0.0	12882.5
Ni 231.604	1.8342b	ppb	0.1952	10.6	0.1051
Pb 220.353	1.2175b	ppb	0.7679	63.1	11.4147
Sb 206.834	1.4289b	ppb	1.3238	92.6	-3.6061
Se 196.026	0.9853b	ppb	0.3886	39.4	1.2379
Sn 189.925	0.9782b	ppb	2.5253	258.1	-4.9185
Sr 216.596	742.843b	ppb	1.8971	0.3	9220.59
Ti 334.941	0.0563b	ppb	0.0137	24.3	-24.1179
Tl 190.794	-0.6758b	ppb	2.0727	306.7	-8.4353
V 292.401	-0.2192b	ppb	0.0922	42.1	-19.0060
Zn 206.200	22.4903b	ppb	0.5106	2.3	24.9523

680-106151-a-1-a (Samp) **10/17/2014, 9:03:43 PM** **Rack 2, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	-0.2585u	-0.1831u	0.0624u
Al 308.215	18.6784	19.2724	20.5182
As 188.980	-4.0134u	1.3573	-2.1564u

Label	Replicates Concentration		
B 249.678	18.7565	18.3759	17.9500
Ba 389.178	35.8252	35.3826	35.4982
Be 313.042	-0.0412u	-0.0394u	-0.0428u
Ca 370.602	22777	22727	22701
Cd 226.502	0.0104	0.0354	0.2000
Co 228.615	-0.1603u	-0.2105u	-0.2329u
Cr 267.716	0.4185	0.5613	0.4470
Cu 324.754	22.4152	22.1978	22.2009
Fe 271.441	74.5505	70.6319	73.1703
K 766.491	1752.76	1718.29	1716.01
Mg 279.078	5131.73	5114.40	5119.17
Mn 257.610	12.5106	12.5459	12.5387
Mo 202.032	9.8120	9.7086	9.5267
Na 330.237	13603.6	13318.3	13547.2
Ni 231.604	1.8621	1.0245	0.0839
Pb 220.353	1.9639	3.1695	1.2975
Sb 206.834	2.7607	3.1831	-0.4197u
Se 196.026	-0.7295u	-5.0010u	5.2258
Sn 189.925	1.8868	1.5436	0.2930
Sr 216.596	159.776	158.409	158.914
Ti 334.941	0.0474	0.0663	0.0822
Tl 190.794	-0.9561u	0.1214	-0.7853u
V 292.401	-0.1785u	0.0309u	0.1063
Zn 206.200	11.8356	11.8034	12.3794

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1264	ppb	0.1678	132.7	-23.4093
Al 308.215	19.4897	ppb	0.9390	4.8	734.565
As 188.980	-1.6042	ppb	2.7276	170.0	-6.3081
B 249.678	18.3608	ppb	0.4035	2.2	348.378
Ba 389.178	35.5687	ppb	0.2296	0.6	692.153
Be 313.042	-0.0411	ppb	0.0017	4.1	-309.203
Ca 370.602	22735	ppb	38.47	0.2	65961
Cd 226.502	0.0819	ppb	0.1030	125.7	13.2182
Co 228.615	-0.2012	ppb	0.0372	18.5	4.1870
Cr 267.716	0.4756	ppb	0.0756	15.9	60.9291
Cu 324.754	22.2713	ppb	0.1247	0.6	1894.11
Fe 271.441	72.7842	ppb	1.9876	2.7	130.707
K 766.491	1729.02	ppb	20.5935	1.2	77688.6
Mg 279.078	5121.77	ppb	8.9548	0.2	13975.1
Mn 257.610	12.5317	ppb	0.0187	0.1	2537.52
Mo 202.032	9.6825	ppb	0.1444	1.5	72.6654
Na 330.237	13489.7	ppb	151.055	1.1	630.673
Ni 231.604	0.9902	ppb	0.8896	89.8	-2.5318
Pb 220.353	2.1437	ppb	0.9488	44.3	12.8607
Sb 206.834	1.8413	ppb	1.9695	107.0	-3.1896
Se 196.026	-0.1682	ppb	5.1365	3053.6	0.6925
Sn 189.925	1.2412	ppb	0.8388	67.6	-4.8043
Sr 216.596	159.033	ppb	0.6912	0.4	1983.94
Ti 334.941	0.0653	ppb	0.0174	26.6	-4.5088
Tl 190.794	-0.5400	ppb	0.5791	107.2	-8.3287
V 292.401	-0.0137	ppb	0.1476	1074.3	-13.2916
Zn 206.200	12.0061	ppb	0.3236	2.7	13.4300

680-106151-a-2-a (Samp) **10/17/2014, 9:08:00 PM** **Rack 2, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	0.0272u	-0.2868u	-0.2542u
Al 308.215	15.6918	16.3314	17.3565
As 188.980	-6.7876u	0.3437	-5.0051u
B 249.678	14.7377	14.4440	13.9989
Ba 389.178	32.8733	32.9966	33.2069
Be 313.042	-0.0437u	-0.0416u	-0.0418u
Ca 370.602	21002	21038	21058
Cd 226.502	0.1425	-0.0275u	0.0812
Co 228.615	-0.1238u	-0.8191u	-0.3160u
Cr 267.716	0.0816	0.1496	0.1070
Cu 324.754	272.076	270.402	272.764
Fe 271.441	7.6325	12.8479	15.2909
K 766.491	1625.69	1627.28	1627.97
Mg 279.078	4718.81	4721.34	4718.29
Mn 257.610	10.7839	10.8526	10.7961
Mo 202.032	8.8580	8.4781	8.4457
Na 330.237	12438.6	12266.9	12222.0
Ni 231.604	0.3635	0.2147	1.5118
Pb 220.353	1.6478	1.0743	0.7350
Sb 206.834	1.1761	2.6996	0.3237
Se 196.026	7.0456	-8.6190u	-4.9931u
Sn 189.925	3.1191	3.1819	-1.6991u
Sr 216.596	146.738	146.721	147.418
Ti 334.941	0.0654	0.0500	0.0397
Tl 190.794	2.7697	-0.6849u	-0.0185u
V 292.401	-0.3092u	-0.2465u	0.1879
Zn 206.200	14.4770	16.0660	16.8249

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1713	ppb	0.1726	100.8	-26.8448
Al 308.215	16.4599	ppb	0.8398	5.1	714.101
As 188.980	-3.8163	ppb	3.7113	97.2	-7.7963
B 249.678	14.3936	ppb	0.3720	2.6	282.193
Ba 389.178	33.0256	ppb	0.1687	0.5	636.834
Be 313.042	-0.0424	ppb	0.0011	2.7	-311.697
Ca 370.602	21033	ppb	28.75	0.1	61023
Cd 226.502	0.0654	ppb	0.0861	131.6	12.3105
Co 228.615	-0.4196	ppb	0.3590	85.6	1.6418
Cr 267.716	0.1127	ppb	0.0344	30.5	40.8927
Cu 324.754	271.747	ppb	1.2146	0.4	20382.5
Fe 271.441	11.9238	ppb	3.9119	32.8	34.7857
K 766.491	1626.98	ppb	1.1667	0.1	73117.9
Mg 279.078	4719.48	ppb	1.6269	0.0	12879.3
Mn 257.610	10.8109	ppb	0.0367	0.3	2196.10
Mo 202.032	8.5939	ppb	0.2293	2.7	65.2171
Na 330.237	12309.2	ppb	114.302	0.9	577.667
Ni 231.604	0.6967	ppb	0.7098	101.9	-3.4539
Pb 220.353	1.1524	ppb	0.4614	40.0	11.2947
Sb 206.834	1.3998	ppb	1.2036	86.0	-3.8091
Se 196.026	-2.1888	ppb	8.2002	374.6	-0.2595
Sn 189.925	1.5340	ppb	2.8001	182.5	-4.5829
Sr 216.596	146.959	ppb	0.3976	0.3	1833.80

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0517	ppb	0.0129	25.0	-9.1031
Tl 190.794	0.6888	ppb	1.8327	266.1	-6.9452
V 292.401	-0.1226	ppb	0.2707	220.8	-15.9873
Zn 206.200	15.7893	ppb	1.1982	7.6	17.5908

Cont Calib Verif (CCV) **10/17/2014, 9:12:17 PM** **Rack 2, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	496.326	497.470	493.822
Al 308.215	4832.50	4807.70	4807.22
As 188.980	459.160	459.740	463.858
B 249.678	486.379	485.840	488.076
Ba 389.178	5003.27	4996.78	4997.60
Be 313.042	493.305	492.125	492.223
Ca 370.602	4724	4697	4694
Cd 226.502	506.365	503.758	503.060
Co 228.615	493.325	491.876	487.874
Cr 267.716	4925.67	4907.94	4903.08
Cu 324.754	5042.07	4966.93	4940.84
Fe 271.441	4902.61	4888.52	4866.94
K 766.491	10004.5	9955.31	9957.69
Mg 279.078	4850.39	4834.30	4843.36
Mn 257.610	4831.52	4808.78	4802.21
Mo 202.032	489.423	485.609	487.714
Na 330.237	7586.70	7777.63	7639.93
Ni 231.604	2510.96	2497.13	2492.60
Pb 220.353	500.364	498.679	500.272
Sb 206.834	942.309	929.200	937.166
Se 196.026	4839.39	4830.79	4812.52
Sn 189.925	4966.95	4892.64	4899.48
Sr 216.596	2496.23	2484.64	2480.45
Ti 334.941	492.197	490.013	490.123
Tl 190.794	4961.80	4931.43	4929.08
V 292.401	4781.65	4765.30	4758.60
Zn 206.200	2470.39	2449.21	2447.59

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.873	ppb	1.8656	0.4	42260.1	99.17451
Al 308.215	4815.81	ppb	14.4598	0.3	33407.8	96.31616
As 188.980	460.919	ppb	2.5611	0.6	304.858	92.18384
B 249.678	486.765	ppb	1.1669	0.2	8179.18	97.35297
Ba 389.178	4999.22	ppb	3.5362	0.1	107557	99.98433
Be 313.042	492.551	ppb	0.6549	0.1	891247	98.51022
Ca 370.602	4705	ppb	16.39	0.3	14002	94.10132
Cd 226.502	504.394	ppb	1.7420	0.3	21295.8	100.87884
Co 228.615	491.025	ppb	2.8234	0.6	5782.99	98.20503
Cr 267.716	4912.23	ppb	11.8884	0.2	270453	98.24458
Cu 324.754	4983.28	ppb	52.5582	1.1	369500	99.66563
Fe 271.441	4886.02	ppb	17.9628	0.4	7824.42	97.72049
K 766.491	9972.51	ppb	27.7496	0.3	446927	99.72511
Mg 279.078	4842.68	ppb	8.0672	0.2	13109.4	96.85362
Mn 257.610	4814.17	ppb	15.3788	0.3	946942	96.28335
Mo 202.032	487.582	ppb	1.9107	0.4	3338.20	97.51637

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	7668.09	ppb	98.5272	1.3	310.453	102.24114
Ni 231.604	2500.23	ppb	9.5644	0.4	7813.04	100.00908
Pb 220.353	499.772	ppb	0.9473	0.2	801.785	99.95436
Sb 206.834	936.225	ppb	6.6052	0.7	1381.91	93.62252
Se 196.026	4827.56	ppb	13.7216	0.3	2274.24	96.55128
Sn 189.925	4919.69	ppb	41.0678	0.8	3720.96	98.39381
Sr 216.596	2487.11	ppb	8.1721	0.3	30718.9	99.48427
Ti 334.941	490.778	ppb	1.2304	0.3	143017	98.15557
Tl 190.794	4940.77	ppb	18.2546	0.4	5527.62	98.81539
V 292.401	4768.52	ppb	11.8567	0.2	124253	95.37032
Zn 206.200	2455.73	ppb	12.7205	0.5	2682.64	98.22906

Cont Calib Blank (CCB) **10/17/2014, 9:16:33 PM** **Rack 2, Tube 38**

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

Label	Replicates	Concentration	
Ag 328.068	0.0553	-0.1964u	-0.0088u
Al 308.215	-7.1874u	-7.9212u	-6.4666u
As 188.980	2.2522	1.1167	-1.6190u
B 249.678	10.8679	9.2857	8.5365
Ba 389.178	0.2730	0.8950	0.8000
Be 313.042	-0.0017u	0.0113	0.0140
Ca 370.602	2.292	2.481	3.397
Cd 226.502	0.2860	0.1442	0.1519
Co 228.615	-0.3652u	-0.0443u	-0.0260u
Cr 267.716	0.2180	0.4376	0.5601
Cu 324.754	0.5807	0.4708	0.4434
Fe 271.441	1.6081	-0.3736u	1.2932
K 766.491	1.3184	1.6635	1.7284
Mg 279.078	1.9875	-1.8447u	0.6972
Mn 257.610	0.4842	0.5158	0.6547
Mo 202.032	0.6109	0.6412	0.8745
Na 330.237	165.574	-35.8229u	82.9247
Ni 231.604	-0.9757u	1.1058	0.4154
Pb 220.353	0.9875	0.4429	-0.1990u
Sb 206.834	4.9808	6.1569	0.9531
Se 196.026	5.5505	2.0808	-0.2210u
Sn 189.925	-0.5387u	0.3653	-0.4210u
Sr 216.596	0.1960	0.3083	0.0944
Ti 334.941	0.0917	0.0534	0.0830
Tl 190.794	1.9759	1.9876	1.0283
V 292.401	0.5622	0.4025	0.7173
Zn 206.200	2.8599	1.2129	-0.4494u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0500	ppb	0.1308	261.8	-11.1047	-0.04996
Al 308.215	-7.1917	ppb	0.7273	10.1	555.086	-7.19175
As 188.980	0.5833	ppb	1.9899	341.2	-4.8331	0.58326
B 249.678	9.5634	ppb	1.1902	12.4	201.548	9.56335
Ba 389.178	0.6560	ppb	0.3351	51.1	-66.4768	0.65601
Be 313.042	0.0079	ppb	0.0084	106.4	-225.756	0.00788
Ca 370.602	2.724	ppb	0.5911	21.7	28.30	2.72354
Cd 226.502	0.1940	ppb	0.0797	41.1	17.6905	0.19401
Co 228.615	-0.1452	ppb	0.1908	131.4	5.0961	-0.14517

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	0.4052	ppb	0.1734	42.8	56.6915	0.40523
Cu 324.754	0.4983	ppb	0.0727	14.6	280.122	0.49828
Fe 271.441	0.8426	ppb	1.0649	126.4	17.3645	0.84258
K 766.491	1.5701	ppb	0.2204	14.0	313.459	1.57014
Mg 279.078	0.2800	ppb	1.9498	696.3	24.2452	0.28002
Mn 257.610	0.5516	ppb	0.0906	16.4	144.736	0.55158
Mo 202.032	0.7089	ppb	0.1442	20.3	11.2456	0.70887
Na 330.237	70.8919	ppb	101.236	142.8	28.9407	70.89194
Ni 231.604	0.1818	ppb	1.0602	583.1	-5.0662	0.18182
Pb 220.353	0.4105	ppb	0.5939	144.7	10.1334	0.41046
Sb 206.834	4.0303	ppb	2.7290	67.7	0.0922	4.03026
Se 196.026	2.4701	ppb	2.9053	117.6	1.9306	2.47009
Sn 189.925	-0.1981	ppb	0.4915	248.1	-5.8987	-0.19813
Sr 216.596	0.1996	ppb	0.1070	53.6	8.8346	0.19956
Ti 334.941	0.0760	ppb	0.0201	26.4	-9.5208	0.07604
Tl 190.794	1.6639	ppb	0.5505	33.1	-5.8285	1.66392
V 292.401	0.5607	ppb	0.1574	28.1	3.1791	0.56069
Zn 206.200	1.2078	ppb	1.6547	137.0	1.5680	1.20778

mb 680-354097/1-a (Samp) **10/17/2014, 9:20:50 PM** **Rack 2, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-0.1046u	-0.0430u	0.1748
Al 308.215	-7.0997u	-5.6769u	-6.2630u
As 188.980	-4.8997u	-4.5498u	-6.5195u
B 249.678	5.5461	5.1888	4.7378
Ba 389.178	-0.2608u	0.0220	-0.3628u
Be 313.042	-0.0271u	-0.0287u	-0.0331u
Ca 370.602	-0.6111u	4.401	-4.542u
Cd 226.502	0.3007	0.0683	0.0309
Co 228.615	-0.0216u	-0.1576u	-0.5136u
Cr 267.716	0.2636	0.2853	0.3032
Cu 324.754	0.0753	0.3583	0.5769
Fe 271.441	-0.2902u	1.4719	4.1333
K 766.491	0.3694	0.4998	0.1097
Mg 279.078	-0.6377u	-0.2400u	2.2131
Mn 257.610	0.2204	0.2121	0.2017
Mo 202.032	0.8102	0.0776	0.3394
Na 330.237	103.706	4.0984	54.0330
Ni 231.604	0.0175	-0.4973u	0.5403
Pb 220.353	1.7900	0.6002	2.9902
Sb 206.834	2.9487	2.7044	3.3239
Se 196.026	-0.9530u	1.6876	5.3604
Sn 189.925	-3.1790u	0.4775	0.4184
Sr 216.596	0.3300	0.2745	0.0919
Ti 334.941	-0.0112u	0.0170	0.0418
Tl 190.794	-1.3543u	1.0767	0.1999
V 292.401	-0.5135u	-0.3495u	-0.3605u
Zn 206.200	5.6968	6.2795	5.5821

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0091	ppb	0.1468	1620.0	-6.0628
Al 308.215	-6.3466	ppb	0.7151	11.3	560.689

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-5.3230	ppb	1.0509	19.7	-8.8081
B 249.678	5.1576	ppb	0.4051	7.9	127.873
Ba 389.178	-0.2005	ppb	0.1994	99.4	-84.9163
Be 313.042	-0.0297	ppb	0.0031	10.5	-293.627
Ca 370.602	-0.2504	ppb	4.482	1790.1	19.61
Cd 226.502	0.1333	ppb	0.1462	109.7	15.1411
Co 228.615	-0.2310	ppb	0.2541	110.0	4.0989
Cr 267.716	0.2840	ppb	0.0199	7.0	50.0236
Cu 324.754	0.3368	ppb	0.2515	74.7	268.149
Fe 271.441	1.7716	ppb	2.2270	125.7	18.8243
K 766.491	0.3263	ppb	0.1986	60.9	257.746
Mg 279.078	0.4452	ppb	1.5440	346.8	24.7017
Mn 257.610	0.2114	ppb	0.0094	4.4	77.8446
Mo 202.032	0.4091	ppb	0.3712	90.7	9.1939
Na 330.237	53.9457	ppb	49.8037	92.3	28.0685
Ni 231.604	0.0201	ppb	0.5188	2574.9	-5.5716
Pb 220.353	1.7935	ppb	1.1950	66.6	12.3146
Sb 206.834	2.9923	ppb	0.3121	10.4	-1.3839
Se 196.026	2.0317	ppb	3.1707	156.1	1.7242
Sn 189.925	-0.7610	ppb	2.0942	275.2	-6.3251
Sr 216.596	0.2321	ppb	0.1246	53.7	9.2433
Ti 334.941	0.0159	ppb	0.0265	166.9	-27.0577
Tl 190.794	-0.0259	ppb	1.2311	4752.8	-7.7181
V 292.401	-0.4078	ppb	0.0917	22.5	-22.0497
Zn 206.200	5.8528	ppb	0.3740	6.4	6.6722

lcs 680-354097/2-a (Samp) **10/17/2014, 9:25:06 PM** **Rack 2, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	49.9034	49.4767	49.2620
Al 308.215	4778.95	4760.36	4762.68
As 188.980	98.8254	101.319	94.8241
B 249.678	195.443	196.151	196.798
Ba 389.178	101.064	99.7135	99.9285
Be 313.042	50.0062	49.8689	49.9262
Ca 370.602	4631	4638	4651
Cd 226.502	51.2746	50.8546	50.8335
Co 228.615	48.6888	49.2184	49.4168
Cr 267.716	99.0449	98.5684	98.5375
Cu 324.754	99.1953	98.9266	99.1997
Fe 271.441	4874.90	4874.11	4869.36
K 766.491	4953.37	4956.03	4955.48
Mg 279.078	4763.32	4750.71	4768.99
Mn 257.610	488.909	490.157	491.938
Mo 202.032	98.0758	96.6663	97.9372
Na 330.237	4861.72	4936.47	4948.03
Ni 231.604	99.7650	96.2352	99.4883
Pb 220.353	502.176	498.559	502.045
Sb 206.834	52.9786	50.6155	49.2409
Se 196.026	101.954	103.129	91.9610
Sn 189.925	192.678	194.794	195.438
Sr 216.596	98.0585	97.2032	97.6045
Ti 334.941	99.4292	99.1903	99.4129

Label	Replicates Concentration		
Tl 190.794	39.5995	40.5964	40.4469
V 292.401	95.7533	95.9903	96.3754
Zn 206.200	103.171	101.469	101.537

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.5474	ppb	0.3265	0.7	4220.09
Al 308.215	4767.33	ppb	10.1288	0.2	32585.3
As 188.980	98.3229	ppb	3.2767	3.3	60.9378
B 249.678	196.131	ppb	0.6773	0.3	3308.80
Ba 389.178	100.235	ppb	0.7258	0.7	2086.87
Be 313.042	49.9337	ppb	0.0690	0.1	90109.1
Ca 370.602	4640	ppb	10.07	0.2	13478
Cd 226.502	50.9875	ppb	0.2488	0.5	2177.48
Co 228.615	49.1080	ppb	0.3763	0.8	583.774
Cr 267.716	98.7169	ppb	0.2845	0.3	5473.02
Cu 324.754	99.1072	ppb	0.1564	0.2	7592.66
Fe 271.441	4872.79	ppb	2.9989	0.1	7700.26
K 766.491	4954.96	ppb	1.4034	0.0	222183
Mg 279.078	4761.00	ppb	9.3569	0.2	12980.2
Mn 257.610	490.335	ppb	1.5225	0.3	96522.8
Mo 202.032	97.5598	ppb	0.7768	0.8	673.836
Na 330.237	4915.41	ppb	46.8515	1.0	242.663
Ni 231.604	98.4962	ppb	1.9630	2.0	302.711
Pb 220.353	500.927	ppb	2.0513	0.4	799.530
Sb 206.834	50.9450	ppb	1.8905	3.7	66.7519
Se 196.026	99.0146	ppb	6.1368	6.2	47.5379
Sn 189.925	194.304	ppb	1.4439	0.7	141.440
Sr 216.596	97.6221	ppb	0.4279	0.4	1218.41
Ti 334.941	99.3441	ppb	0.1335	0.1	28931.7
Tl 190.794	40.2143	ppb	0.5376	1.3	36.8522
V 292.401	96.0396	ppb	0.3140	0.3	2480.09
Zn 206.200	102.059	ppb	0.9636	0.9	111.842

lcsd 680-354097/24-a (Samp) **10/17/2014, 9:29:23 PM** **Rack 2, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	49.3976	48.9438	49.6750
Al 308.215	4801.39	4756.17	4771.26
As 188.980	95.4647	99.5509	97.3846
B 249.678	195.671	195.674	197.097
Ba 389.178	99.5715	99.9216	100.097
Be 313.042	49.8188	49.8183	49.9880
Ca 370.602	4628	4616	4629
Cd 226.502	50.9069	50.9648	50.7833
Co 228.615	48.4939	48.2003	49.3389
Cr 267.716	98.3146	98.4873	98.5631
Cu 324.754	97.7433	100.251	99.4122
Fe 271.441	4869.91	4865.45	4859.14
K 766.491	4925.00	4932.09	4943.00
Mg 279.078	4743.90	4739.17	4754.04
Mn 257.610	486.429	486.924	487.200
Mo 202.032	98.2566	96.7792	98.9191
Na 330.237	4774.68	4900.61	4749.56

Label	Replicates Concentration		
Ni 231.604	99.4433	96.9755	97.8084
Pb 220.353	501.485	498.147	501.268
Sb 206.834	51.9127	50.8693	51.2596
Se 196.026	104.385	92.6630	96.1804
Sn 189.925	197.349	199.531	201.013
Sr 216.596	97.2790	97.2760	97.0400
Ti 334.941	99.4570	99.4206	99.6879
Tl 190.794	37.0022	38.8671	36.9852
V 292.401	95.7597	95.5679	95.2085
Zn 206.200	102.351	104.177	100.726

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.3388	ppb	0.3691	0.7	4202.29
Al 308.215	4776.27	ppb	23.0206	0.5	32645.3
As 188.980	97.4668	ppb	2.0443	2.1	60.3616
B 249.678	196.147	ppb	0.8223	0.4	3309.10
Ba 389.178	99.8632	ppb	0.2674	0.3	2078.85
Be 313.042	49.8750	ppb	0.0978	0.2	90002.8
Ca 370.602	4624	ppb	7.448	0.2	13432
Cd 226.502	50.8850	ppb	0.0927	0.2	2173.15
Co 228.615	48.6777	ppb	0.5911	1.2	578.698
Cr 267.716	98.4550	ppb	0.1274	0.1	5458.59
Cu 324.754	99.1355	ppb	1.2766	1.3	7594.79
Fe 271.441	4864.83	ppb	5.4108	0.1	7687.69
K 766.491	4933.37	ppb	9.0671	0.2	221216
Mg 279.078	4745.71	ppb	7.5943	0.2	12938.5
Mn 257.610	486.851	ppb	0.3904	0.1	95837.6
Mo 202.032	97.9850	ppb	1.0955	1.1	676.747
Na 330.237	4808.29	ppb	80.9394	1.7	237.843
Ni 231.604	98.0758	ppb	1.2554	1.3	301.397
Pb 220.353	500.300	ppb	1.8677	0.4	798.540
Sb 206.834	51.3472	ppb	0.5272	1.0	67.3163
Se 196.026	97.7429	ppb	6.0153	6.2	46.9390
Sn 189.925	199.298	ppb	1.8430	0.9	145.223
Sr 216.596	97.1983	ppb	0.1371	0.1	1213.16
Ti 334.941	99.5218	ppb	0.1450	0.1	28983.5
Tl 190.794	37.6182	ppb	1.0817	2.9	33.9456
V 292.401	95.5120	ppb	0.2798	0.3	2466.21
Zn 206.200	102.418	ppb	1.7265	1.7	112.237

680-106113-e-10-e (Samp) **10/17/2014, 9:33:39 PM** **Rack 2, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-0.1658u	-0.4292u	-0.1043u
Al 308.215	-3.3384	-0.6917	-0.3085
As 188.980	8.9234	9.4339	7.4568
B 249.678	59.5502	59.0762	59.0829
Ba 389.178	17.4026	17.7491	17.7681
Be 313.042	-0.0208u	-0.0158u	-0.0170u
Ca 370.602	7858	7919	7840
Cd 226.502	-0.9551	-0.8950	-0.8490
Co 228.615	7.5949	7.4535	7.9135
Cr 267.716	1.7135	1.6032	1.6071

Label	Replicates Concentration		
Cu 324.754	0.2864	0.2992	-0.0156
Fe 271.441	55784.8	56219.0	55906.2
K 766.491	2228.55	2239.86	2224.68
Mg 279.078	2898.32	2915.71	2901.89
Mn 257.610	700.221	707.364	702.669
Mo 202.032	1.1903	1.3117	0.8464
Na 330.237	19282.4	19110.5	18982.9
Ni 231.604	5.6773	6.1434	5.1245
Pb 220.353	1.1170	1.5929	2.7958
Sb 206.834	-1.1380	-0.9738	0.9036
Se 196.026	4.3061	-1.3253	1.9853
Sn 189.925	-0.1718u	-1.0609u	-0.3379u
Sr 216.596	48.4927	49.0811	49.3633
Ti 334.941	0.0836	0.0906	0.0365
Tl 190.794	-2.7240u	-3.1765u	-3.0707u
V 292.401	-0.9265u	-1.1975u	-1.2073u
Zn 206.200	9.5144	12.1942	11.4141

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2331	ppb	0.1726	74.0	-34.4654
Al 308.215	-1.4462	ppb	1.6499	114.1	688.160
As 188.980	8.6047	ppb	1.0264	11.9	0.1951
B 249.678	59.2364	ppb	0.2718	0.5	901.885
Ba 389.178	17.6399	ppb	0.2057	1.2	332.728
Be 313.042	-0.0179	ppb	0.0026	14.7	-273.818
Ca 370.602	7873	ppb	41.49	0.5	22188
Cd 226.502	-0.8997	ppb	0.0532	5.9	178.146
Co 228.615	7.6540	ppb	0.2356	3.1	100.646
Cr 267.716	1.6413	ppb	0.0626	3.8	155.960
Cu 324.754	0.1900	ppb	0.1782	93.8	281.742
Fe 271.441	55970.0	ppb	224.046	0.4	88197.8
K 766.491	2231.03	ppb	7.8871	0.4	100174
Mg 279.078	2905.31	ppb	9.1859	0.3	7922.48
Mn 257.610	703.418	ppb	3.6301	0.5	138558
Mo 202.032	1.1161	ppb	0.2413	21.6	11.3934
Na 330.237	19125.3	ppb	150.331	0.8	871.193
Ni 231.604	5.6484	ppb	0.5101	9.0	16.8308
Pb 220.353	1.8352	ppb	0.8652	47.1	16.2615
Sb 206.834	-0.4027	ppb	1.1343	281.6	-4.4076
Se 196.026	1.6554	ppb	2.8302	171.0	2.2376
Sn 189.925	-0.5235	ppb	0.4727	90.3	-6.1394
Sr 216.596	48.9790	ppb	0.4442	0.9	683.686
Ti 334.941	0.0702	ppb	0.0294	41.9	-0.8804
Tl 190.794	-2.9904	ppb	0.2367	7.9	-18.3203
V 292.401	-1.1104	ppb	0.1594	14.4	-20.5085
Zn 206.200	11.0409	ppb	1.3783	12.5	9.7653

680-106113-e-10-eSD (Samp) **10/17/2014, 9:37:56 PM** **Rack 2, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-0.0463u	0.0775	-0.1710u
Al 308.215	-6.6071u	-6.3910u	-5.7585u
As 188.980	1.7215	-0.2944u	-4.0734u

Label	Replicates Concentration		
B 249.678	15.0619	14.5280	14.3085
Ba 389.178	3.5337	4.2534	3.7312
Be 313.042	-0.0279u	-0.0263u	-0.0245u
Ca 370.602	1694	1636	1597
Cd 226.502	-0.0631	-0.1319	-0.0892
Co 228.615	0.8364	1.7156	1.8919
Cr 267.716	0.4191	0.2894	0.4342
Cu 324.754	0.0258	0.3026	-0.1146u
Fe 271.441	12210.5	11801.4	11448.7
K 766.491	482.112	468.383	457.902
Mg 279.078	641.796	618.641	599.052
Mn 257.610	151.963	147.174	142.725
Mo 202.032	-0.3908u	0.4107	0.4842
Na 330.237	4083.50	4064.69	3949.11
Ni 231.604	0.7475	1.3673	0.6032
Pb 220.353	-0.8255u	3.0597	0.0495
Sb 206.834	4.6209	0.0749	1.6382
Se 196.026	0.7959	6.0034	3.9197
Sn 189.925	0.4364	2.5826	1.4447
Sr 216.596	10.8013	10.3266	10.3062
Ti 334.941	0.0035	0.0216	0.0086
Tl 190.794	0.3043u	0.1537u	-0.3537u
V 292.401	-0.3041u	-0.4625u	-0.3753u
Zn 206.200	2.9005	2.7735	3.7984

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0466	ppb	0.1242	266.6	-12.4520
Al 308.215	-6.2522	ppb	0.4410	7.1	581.274
As 188.980	-0.8821	ppb	2.9418	333.5	-5.8974
B 249.678	14.6328	ppb	0.3875	2.6	258.830
Ba 389.178	3.8395	ppb	0.3719	9.7	9.1553
Be 313.042	-0.0262	ppb	0.0017	6.6	-287.642
Ca 370.602	1642	ppb	48.98	3.0	4643
Cd 226.502	-0.0947	ppb	0.0347	36.6	49.1498
Co 228.615	1.4813	ppb	0.5654	38.2	25.0491
Cr 267.716	0.3809	ppb	0.0796	20.9	61.9423
Cu 324.754	0.0713	ppb	0.2123	297.9	253.624
Fe 271.441	11820.2	ppb	381.277	3.2	18639.0
K 766.491	469.466	ppb	12.1410	2.6	21271.2
Mg 279.078	619.830	ppb	21.3966	3.5	1708.74
Mn 257.610	147.287	ppb	4.6201	3.1	29041.3
Mo 202.032	0.1681	ppb	0.4854	288.8	6.9868
Na 330.237	4032.43	ppb	72.7700	1.8	204.012
Ni 231.604	0.9060	ppb	0.4060	44.8	-1.7877
Pb 220.353	0.7612	ppb	2.0381	267.7	11.5068
Sb 206.834	2.1114	ppb	2.3097	109.4	-2.2517
Se 196.026	3.5730	ppb	2.6210	73.4	2.5953
Sn 189.925	1.4879	ppb	1.0737	72.2	-4.6204
Sr 216.596	10.4780	ppb	0.2801	2.7	151.091
Ti 334.941	0.0112	ppb	0.0093	83.4	-26.2096
Tl 190.794	0.0348	ppb	0.3448	991.9	-9.1879
V 292.401	-0.3806	ppb	0.0793	20.8	-17.0689
Zn 206.200	3.1575	ppb	0.5587	17.7	3.1605

680-106113-e-10-ePDS (Samp) **10/17/2014, 9:42:12 PM** **Rack 2, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	96.8063	97.0074	98.3395
Al 308.215	951.777	954.757	948.669
As 188.980	105.275	110.321	108.742
B 249.678	244.150	247.461	246.189
Ba 389.178	100.992	102.733	100.284
Be 313.042	97.9320	98.1826	97.7441
Ca 370.602	16960	17098	17082
Cd 226.502	98.2177	98.3544	98.3280
Co 228.615	104.621	105.262	103.909
Cr 267.716	99.6173	100.137	99.4451
Cu 324.754	97.5352	98.2070	97.9774
Fe 271.441	64809.2	65018.9	64742.3
K 766.491	12379.5	12394.2	12331.2
Mg 279.078	12291.5	12341.4	12307.3
Mn 257.610	1650.29	1665.70	1662.76
Mo 202.032	97.1162	97.2555	97.6693
Na 330.237	27705.7	27983.3	27770.8
Ni 231.604	103.376	103.835	103.582
Pb 220.353	100.661	100.238	98.0991
Sb 206.834	96.1855	97.3943	98.3423
Se 196.026	100.102	97.9933	98.7807
Sn 189.925	95.4592	96.7509	95.7352
Sr 216.596	146.658	147.725	147.520
Ti 334.941	98.4210	98.7387	98.2253
Tl 190.794	17.1187	15.7482	16.3370
V 292.401	92.9730	94.0993	94.0140
Zn 206.200	105.006	103.962	106.819

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	97.3844	ppb	0.8332	0.9	8296.56
Al 308.215	951.734	ppb	3.0445	0.3	7107.98
As 188.980	108.113	ppb	2.5812	2.4	67.0880
B 249.678	245.933	ppb	1.6700	0.7	4002.44
Ba 389.178	101.336	ppb	1.2603	1.2	2152.78
Be 313.042	97.9529	ppb	0.2200	0.2	177001
Ca 370.602	17047	ppb	75.57	0.4	48758
Cd 226.502	98.3000	ppb	0.0725	0.1	4394.42
Co 228.615	104.597	ppb	0.6767	0.6	1240.15
Cr 267.716	99.7333	ppb	0.3605	0.4	5564.27
Cu 324.754	97.9065	ppb	0.3414	0.3	7529.97
Fe 271.441	64856.8	ppb	144.315	0.2	102212
K 766.491	12368.3	ppb	32.9550	0.3	554238
Mg 279.078	12313.4	ppb	25.4892	0.2	33528.9
Mn 257.610	1659.58	ppb	8.1819	0.5	326709
Mo 202.032	97.3470	ppb	0.2877	0.3	669.544
Na 330.237	27819.9	ppb	145.172	0.5	1256.85
Ni 231.604	103.598	ppb	0.2301	0.2	323.703
Pb 220.353	99.6658	ppb	1.3732	1.4	171.173
Sb 206.834	97.3074	ppb	1.0810	1.1	134.955
Se 196.026	98.9588	ppb	1.0658	1.1	48.3604
Sn 189.925	95.9818	ppb	0.6802	0.7	66.9671
Sr 216.596	147.301	ppb	0.5664	0.4	1911.43

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	98.4617	ppb	0.2591	0.3	28693.1
Tl 190.794	16.4013	ppb	0.6875	4.2	2.7802
V 292.401	93.6954	ppb	0.6271	0.7	2440.38
Zn 206.200	105.262	ppb	1.4458	1.4	112.560

640-49377-b-5-b (Samp) **10/17/2014, 9:46:29 PM** **Rack 2, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	0.0153u	0.3352	-0.2581u
Al 308.215	569.363	569.665	568.911
As 188.980	6.6886	8.8034	8.8246
B 249.678	36.3716	36.0598	35.3328
Ba 389.178	-0.7661u	-0.2186u	-0.2442u
Be 313.042	-0.0375u	-0.0351u	-0.0346u
Ca 370.602	32035	32022	31967
Cd 226.502	0.1764	0.2763	0.1781
Co 228.615	0.3817	0.6753	0.4888
Cr 267.716	0.6203	0.5895	0.5937
Cu 324.754	420.503	421.062	422.041
Fe 271.441	36.5239	32.4935	27.3016
K 766.491	1080.33	1083.37	1084.17
Mg 279.078	1099.83	1102.31	1101.05
Mn 257.610	53.1799	53.2310	52.9192
Mo 202.032	6.7395	6.9475	6.8629
Na 330.237	4636.21	4656.25	4708.95
Ni 231.604	2.4889	2.4761	2.7897
Pb 220.353	-2.4518u	0.9789	1.0381
Sb 206.834	1.1686	1.4838	1.6155
Se 196.026	-1.2347u	6.7635	6.5680
Sn 189.925	1.6982	-1.0529u	-2.0224u
Sr 216.596	121.389	120.293	121.393
Ti 334.941	0.2643	0.2438	0.2777
Tl 190.794	2.7561	-1.8729u	-3.4991u
V 292.401	3.7492	3.2539	3.4699
Zn 206.200	222.173	225.598	225.041

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0308	ppb	0.2969	964.4	-8.3676
Al 308.215	569.313	ppb	0.3795	0.1	4420.52
As 188.980	8.1055	ppb	1.2272	15.1	0.2337
B 249.678	35.9214	ppb	0.5331	1.5	641.939
Ba 389.178	-0.4097	ppb	0.3090	75.4	-87.8581
Be 313.042	-0.0357	ppb	0.0016	4.4	-294.176
Ca 370.602	32008	ppb	36.39	0.1	92858
Cd 226.502	0.2103	ppb	0.0572	27.2	18.4751
Co 228.615	0.5153	ppb	0.1485	28.8	12.6863
Cr 267.716	0.6011	ppb	0.0167	2.8	67.8243
Cu 324.754	421.202	ppb	0.7783	0.2	31458.3
Fe 271.441	32.1063	ppb	4.6233	14.4	66.6919
K 766.491	1082.62	ppb	2.0285	0.2	48735.4
Mg 279.078	1101.06	ppb	1.2386	0.1	3021.44
Mn 257.610	53.1100	ppb	0.1672	0.3	10490.2
Mo 202.032	6.8500	ppb	0.1046	1.5	53.2756

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	4667.14	ppb	37.5748	0.8	229.855
Ni 231.604	2.5849	ppb	0.1775	6.9	2.4518
Pb 220.353	-0.1449	ppb	1.9980	1378.7	9.2542
Sb 206.834	1.4226	ppb	0.2296	16.1	-3.7401
Se 196.026	4.0323	ppb	4.5624	113.1	2.6793
Sn 189.925	-0.4590	ppb	1.9301	420.5	-6.0950
Sr 216.596	121.025	ppb	0.6336	0.5	1517.38
Ti 334.941	0.2619	ppb	0.0171	6.5	46.3032
Tl 190.794	-0.8719	ppb	3.2455	372.2	-8.6555
V 292.401	3.4910	ppb	0.2483	7.1	78.6777
Zn 206.200	224.271	ppb	1.8379	0.8	246.675

680-106138-a-19-d (Samp) **10/17/2014, 9:50:45 PM** **Rack 2, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-0.0191u	-0.2369u	-0.0566u
Al 308.215	-9.5887u	-10.8773u	-7.3171u
As 188.980	-4.1869u	0.2112	-7.3801u
B 249.678	2.6637	2.5651	3.0497
Ba 389.178	-0.3114u	0.1078	-0.1250u
Be 313.042	-0.0348u	-0.0355u	-0.0400u
Ca 370.602	12.09	11.54	9.481
Cd 226.502	0.2257	0.1590	-0.0123u
Co 228.615	0.2970	-0.0077u	0.0262
Cr 267.716	0.3559	0.3344	0.4185
Cu 324.754	0.0646	-0.1118u	0.0758
Fe 271.441	5.5280	3.4950	-2.2270u
K 766.491	0.9307	-0.2777u	-0.3529u
Mg 279.078	-0.3836u	1.5963	0.5253
Mn 257.610	0.0656	0.0063	0.0719
Mo 202.032	0.1137	0.3723	0.1223
Na 330.237	187.062	154.531	192.151
Ni 231.604	0.4515	-0.8223u	0.2109
Pb 220.353	-1.1374u	4.5282	1.7726
Sb 206.834	3.3683	2.7209	1.3707
Se 196.026	-6.2387u	0.1434	-9.1318u
Sn 189.925	1.2681	0.0488	-3.2649u
Sr 216.596	-0.0133u	0.1713	-0.3662u
Ti 334.941	0.0059	-0.0191u	-0.0570u
Tl 190.794	-3.7965u	-0.6620u	-1.2663u
V 292.401	-0.0201u	-0.0299u	-0.3939u
Zn 206.200	4.7372	4.2040	5.6002

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1042	ppb	0.1165	111.8	-15.7280
Al 308.215	-9.2610	ppb	1.8026	19.5	541.139
As 188.980	-3.7853	ppb	3.8115	100.7	-7.7731
B 249.678	2.7595	ppb	0.2561	9.3	87.8043
Ba 389.178	-0.1095	ppb	0.2101	191.8	-82.9571
Be 313.042	-0.0368	ppb	0.0028	7.7	-306.481
Ca 370.602	11.04	ppb	1.374	12.5	52.31
Cd 226.502	0.1241	ppb	0.1228	98.9	14.7590
Co 228.615	0.1052	ppb	0.1670	158.8	8.0534

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.3696	ppb	0.0437	11.8	54.7351
Cu 324.754	0.0095	ppb	0.1052	1102.0	243.888
Fe 271.441	2.2653	ppb	4.0211	177.5	19.6177
K 766.491	0.1000	ppb	0.7204	720.2	247.610
Mg 279.078	0.5794	ppb	0.9911	171.1	25.0723
Mn 257.610	0.0479	ppb	0.0362	75.5	45.6954
Mo 202.032	0.2028	ppb	0.1469	72.4	7.7819
Na 330.237	177.915	ppb	20.4101	11.5	33.6631
Ni 231.604	-0.0533	ppb	0.6768	1269.8	-5.8015
Pb 220.353	1.7211	ppb	2.8332	164.6	12.2009
Sb 206.834	2.4866	ppb	1.0192	41.0	-2.1014
Se 196.026	-5.0757	ppb	4.7457	93.5	-1.6211
Sn 189.925	-0.6493	ppb	2.3458	361.3	-6.2405
Sr 216.596	-0.0694	ppb	0.2731	393.4	5.5262
Ti 334.941	-0.0234	ppb	0.0317	135.4	-38.5034
Tl 190.794	-1.9083	ppb	1.6629	87.1	-9.8224
V 292.401	-0.1480	ppb	0.2131	144.0	-15.2352
Zn 206.200	4.8471	ppb	0.7046	14.5	5.5669

680-106138-a-19-e ms (Samp) **10/17/2014, 9:55:02 PM** **Rack 2, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	49.2161	48.8965	48.8246
Al 308.215	4748.84	4751.96	4754.08
As 188.980	92.1479	98.8616	98.2237
B 249.678	188.975	190.056	191.243
Ba 389.178	98.8009	99.8348	98.2735
Be 313.042	49.4755	49.4912	49.4837
Ca 370.602	4623	4629	4609
Cd 226.502	50.5549	50.4555	50.6475
Co 228.615	48.4557	48.2474	48.2365
Cr 267.716	98.2111	98.2397	98.1837
Cu 324.754	97.6643	97.9958	97.8674
Fe 271.441	4848.61	4849.60	4836.37
K 766.491	4847.59	4847.23	4847.71
Mg 279.078	4719.43	4718.67	4717.32
Mn 257.610	486.056	486.717	485.498
Mo 202.032	97.7784	98.0403	97.8009
Na 330.237	4926.96	4686.46	4902.51
Ni 231.604	98.5071	98.9368	98.0296
Pb 220.353	493.188	498.803	495.182
Sb 206.834	51.3444	53.4116	51.6415
Se 196.026	97.0204	96.6273	94.4677
Sn 189.925	195.504	197.211	194.186
Sr 216.596	97.7372	98.0139	97.3495
Ti 334.941	98.5433	98.6366	98.5553
Tl 190.794	33.3927	35.1478	38.3409
V 292.401	94.7315	94.7031	94.7930
Zn 206.200	100.850	99.5279	99.8680

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.9791	ppb	0.2084	0.4	4171.57
Al 308.215	4751.62	ppb	2.6342	0.1	32479.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	96.4111	ppb	3.7058	3.8	59.6510
B 249.678	190.091	ppb	1.1347	0.6	3207.94
Ba 389.178	98.9697	ppb	0.7942	0.8	2059.56
Be 313.042	49.4834	ppb	0.0079	0.0	89294.2
Ca 370.602	4621	ppb	10.48	0.2	13421
Cd 226.502	50.5526	ppb	0.0960	0.2	2159.07
Co 228.615	48.3132	ppb	0.1235	0.3	574.402
Cr 267.716	98.2115	ppb	0.0280	0.0	5445.17
Cu 324.754	97.8425	ppb	0.1671	0.2	7498.96
Fe 271.441	4844.86	ppb	7.3680	0.2	7656.17
K 766.491	4847.51	ppb	0.2486	0.0	217370
Mg 279.078	4718.47	ppb	1.0710	0.0	12864.4
Mn 257.610	486.090	ppb	0.6103	0.1	95687.6
Mo 202.032	97.8732	ppb	0.1452	0.1	675.983
Na 330.237	4838.64	ppb	132.361	2.7	239.259
Ni 231.604	98.4912	ppb	0.4538	0.5	302.695
Pb 220.353	495.724	ppb	2.8461	0.6	791.326
Sb 206.834	52.1325	ppb	1.1177	2.1	68.4343
Se 196.026	96.0385	ppb	1.3745	1.4	46.1360
Sn 189.925	195.634	ppb	1.5170	0.8	142.447
Sr 216.596	97.7002	ppb	0.3338	0.3	1219.34
Ti 334.941	98.5784	ppb	0.0507	0.1	28708.4
Tl 190.794	35.6271	ppb	2.5087	7.0	31.7185
V 292.401	94.7425	ppb	0.0460	0.0	2446.15
Zn 206.200	100.082	ppb	0.6867	0.7	109.673

680-106138-a-19-f ms (Samp) **10/17/2014, 9:59:19 PM** **Rack 2, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	50.1787	49.6829	49.5120
Al 308.215	4805.08	4761.67	4788.95
As 188.980	98.7916	93.5985	98.4380
B 249.678	193.764	194.590	194.558
Ba 389.178	100.186	100.357	99.8594
Be 313.042	49.5626	49.5112	49.4200
Ca 370.602	4622	4613	4627
Cd 226.502	50.7463	51.0302	51.0507
Co 228.615	48.8064	47.9757	48.2632
Cr 267.716	98.7346	98.9820	98.7681
Cu 324.754	98.4448	98.7756	98.1647
Fe 271.441	4880.94	4885.72	4886.12
K 766.491	4947.80	4928.46	4917.58
Mg 279.078	4744.79	4741.33	4741.47
Mn 257.610	484.875	484.316	485.468
Mo 202.032	98.7282	98.4779	97.9251
Na 330.237	4923.29	4901.22	5033.03
Ni 231.604	97.9562	98.8804	99.4991
Pb 220.353	500.423	498.502	498.341
Sb 206.834	52.3073	53.2774	47.3872
Se 196.026	98.5850	92.6872	91.1486
Sn 189.925	197.274	201.512	196.812
Sr 216.596	98.1825	98.9152	98.2634
Ti 334.941	99.8220	99.5321	99.3709

Label	Replicates Concentration		
Tl 190.794	39.7139	37.1730	40.8630
V 292.401	95.3810	95.3355	95.3525
Zn 206.200	100.748	101.621	104.111

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.7912	ppb	0.3463	0.7	4240.83
Al 308.215	4785.23	ppb	21.9399	0.5	32705.4
As 188.980	96.9427	ppb	2.9016	3.0	60.0087
B 249.678	194.304	ppb	0.4677	0.2	3278.23
Ba 389.178	100.134	ppb	0.2528	0.3	2084.70
Be 313.042	49.4979	ppb	0.0722	0.1	89320.3
Ca 370.602	4621	ppb	7.125	0.2	13422
Cd 226.502	50.9424	ppb	0.1701	0.3	2175.66
Co 228.615	48.3484	ppb	0.4218	0.9	574.825
Cr 267.716	98.8282	ppb	0.1342	0.1	5479.16
Cu 324.754	98.4617	ppb	0.3058	0.3	7544.88
Fe 271.441	4884.26	ppb	2.8784	0.1	7718.27
K 766.491	4931.28	ppb	15.3046	0.3	221122
Mg 279.078	4742.53	ppb	1.9567	0.0	12929.8
Mn 257.610	484.886	ppb	0.5759	0.1	95451.2
Mo 202.032	98.3771	ppb	0.4109	0.4	679.430
Na 330.237	4952.52	ppb	70.5991	1.4	244.307
Ni 231.604	98.7785	ppb	0.7765	0.8	303.597
Pb 220.353	499.089	ppb	1.1585	0.2	796.633
Sb 206.834	50.9906	ppb	3.1581	6.2	66.8058
Se 196.026	94.1403	ppb	3.9253	4.2	45.2441
Sn 189.925	198.533	ppb	2.5908	1.3	144.643
Sr 216.596	98.4537	ppb	0.4017	0.4	1228.72
Ti 334.941	99.5750	ppb	0.2286	0.2	28999.0
Tl 190.794	39.2500	ppb	1.8882	4.8	35.7660
V 292.401	95.3563	ppb	0.0230	0.0	2462.04
Zn 206.200	102.160	ppb	1.7449	1.7	111.950

Cont Calib Verif (CCV) **10/17/2014, 10:03:36 PM** **Rack 2, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	497.162	493.047	490.501
Al 308.215	4833.96	4821.46	4817.50
As 188.980	464.898	466.090	459.111
B 249.678	486.318	486.544	487.136
Ba 389.178	5030.09	5023.60	5010.05
Be 313.042	494.669	491.703	494.813
Ca 370.602	4724	4726	4705
Cd 226.502	505.911	505.030	503.338
Co 228.615	494.468	491.621	490.646
Cr 267.716	4933.04	4923.91	4915.82
Cu 324.754	4980.44	4896.37	4972.29
Fe 271.441	4905.31	4905.20	4890.32
K 766.491	9976.18	9954.69	9949.57
Mg 279.078	4849.36	4841.53	4821.82
Mn 257.610	4824.04	4817.98	4822.17
Mo 202.032	490.997	488.124	488.047
Na 330.237	7664.11	7572.07	7594.19

Label	Replicates Concentration		
Ni 231.604	2522.90	2511.33	2503.58
Pb 220.353	507.698	504.668	503.693
Sb 206.834	929.982	940.041	939.442
Se 196.026	4814.46	4803.46	4773.17
Sn 189.925	4953.29	4974.29	4906.47
Sr 216.596	2506.03	2494.14	2478.02
Ti 334.941	492.653	491.634	490.690
Tl 190.794	4964.02	4946.77	4918.11
V 292.401	4793.52	4784.30	4764.94
Zn 206.200	2468.92	2452.17	2457.81

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	493.570	ppb	3.3613	0.7	42063.4	98.71403
Al 308.215	4824.31	ppb	8.5943	0.2	33465.4	96.48612
As 188.980	463.366	ppb	3.7332	0.8	306.504	92.67322
B 249.678	486.666	ppb	0.4227	0.1	8177.49	97.33320
Ba 389.178	5021.25	ppb	10.2228	0.2	108031	100.42490
Be 313.042	493.728	ppb	1.7554	0.4	893377	98.74567
Ca 370.602	4719	ppb	11.57	0.2	14043	94.37315
Cd 226.502	504.759	ppb	1.3075	0.3	21311.2	100.95189
Co 228.615	492.245	ppb	1.9862	0.4	5797.34	98.44901
Cr 267.716	4924.26	ppb	8.6178	0.2	271115	98.48512
Cu 324.754	4949.70	ppb	46.3626	0.9	367011	98.99397
Fe 271.441	4900.28	ppb	8.6207	0.2	7847.14	98.00557
K 766.491	9960.14	ppb	14.1226	0.1	446373	99.60145
Mg 279.078	4837.57	ppb	14.1914	0.3	13095.1	96.75142
Mn 257.610	4821.40	ppb	3.1025	0.1	948363	96.42792
Mo 202.032	489.056	ppb	1.6811	0.3	3348.28	97.81117
Na 330.237	7610.12	ppb	48.0442	0.6	307.803	101.46828
Ni 231.604	2512.60	ppb	9.7228	0.4	7851.74	100.50409
Pb 220.353	505.353	ppb	2.0884	0.4	810.600	101.07056
Sb 206.834	936.488	ppb	5.6422	0.6	1382.46	93.64882
Se 196.026	4797.03	ppb	21.3861	0.4	2259.88	95.94063
Sn 189.925	4944.68	ppb	34.7205	0.7	3739.90	98.89362
Sr 216.596	2492.73	ppb	14.0597	0.6	30788.1	99.70917
Ti 334.941	491.659	ppb	0.9818	0.2	143274	98.33182
Tl 190.794	4942.97	ppb	23.1902	0.5	5530.10	98.85931
V 292.401	4780.92	ppb	14.5858	0.3	124576	95.61839
Zn 206.200	2459.63	ppb	8.5214	0.3	2686.87	98.38525

Cont Calib Blank (CCB) **10/17/2014, 10:07:52 PM** **Rack 2, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	-0.0956u	-0.0935u	0.0032
Al 308.215	-9.0013u	-8.2294u	-7.3268u
As 188.980	-0.8850u	1.0067	-2.1005u
B 249.678	9.8859	8.5419	7.8072
Ba 389.178	0.5599	0.9084	1.3502
Be 313.042	0.0125	0.0183	0.0392
Ca 370.602	6.548	5.395	2.615
Cd 226.502	0.2406	0.2706	0.0829
Co 228.615	0.1963	0.3843	0.2124
Cr 267.716	0.7188	0.5818	0.7607

Label	Replicates Concentration		
Cu 324.754	0.7612	0.5238	1.0108
Fe 271.441	-0.9703u	8.1580	3.0307
K 766.491	1.7723	1.6240	1.6249
Mg 279.078	2.6949	2.8300	1.2178
Mn 257.610	0.6677	0.6846	0.8916
Mo 202.032	0.7387	0.6253	1.1975
Na 330.237	139.715	76.0327	94.5799
Ni 231.604	-0.7427u	0.3108	-0.0657u
Pb 220.353	0.5891	-1.1893u	3.6146
Sb 206.834	4.2331	4.4691	3.0815
Se 196.026	2.7065	-2.1202u	-7.0622u
Sn 189.925	5.5222	-2.4621u	1.2551
Sr 216.596	0.3856	0.4966	0.5558
Ti 334.941	0.0853	0.0983	0.0911
Tl 190.794	1.9954	1.6234	1.8095
V 292.401	0.6939	0.5661	0.4200
Zn 206.200	1.9121	1.6988	0.5900

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0620	ppb	0.0565	91.1	-12.1287	-0.06198
Al 308.215	-8.1859	ppb	0.8381	10.2	548.453	-8.18586
As 188.980	-0.6596	ppb	1.5658	237.4	-5.6697	-0.65959
B 249.678	8.7450	ppb	1.0541	12.1	187.867	8.74498
Ba 389.178	0.9395	ppb	0.3960	42.2	-60.3686	0.93950
Be 313.042	0.0233	ppb	0.0140	60.2	-197.792	0.02333
Ca 370.602	4.853	ppb	2.022	41.7	34.44	4.85275
Cd 226.502	0.1980	ppb	0.1008	50.9	17.8782	0.19803
Co 228.615	0.2643	ppb	0.1042	39.4	9.9074	0.26434
Cr 267.716	0.6871	ppb	0.0935	13.6	72.2121	0.68711
Cu 324.754	0.7653	ppb	0.2436	31.8	299.913	0.76529
Fe 271.441	3.4061	ppb	4.5757	134.3	21.4447	3.40612
K 766.491	1.6737	ppb	0.0853	5.1	318.099	1.67373
Mg 279.078	2.2476	ppb	0.8944	39.8	29.6014	2.24757
Mn 257.610	0.7480	ppb	0.1247	16.7	183.389	0.74799
Mo 202.032	0.8539	ppb	0.3030	35.5	12.2377	0.85387
Na 330.237	103.442	ppb	32.7530	31.7	30.4021	103.44245
Ni 231.604	-0.1659	ppb	0.5338	321.8	-6.1540	-0.16587
Pb 220.353	1.0048	ppb	2.4288	241.7	11.0709	1.00480
Sb 206.834	3.9279	ppb	0.7425	18.9	-0.0511	3.92790
Se 196.026	-2.1586	ppb	4.8845	226.3	-0.2479	-2.15864
Sn 189.925	1.4384	ppb	3.9953	277.8	-4.6590	1.43842
Sr 216.596	0.4793	ppb	0.0864	18.0	12.3007	0.47934
Ti 334.941	0.0915	ppb	0.0065	7.1	-5.0042	0.09153
Tl 190.794	1.8095	ppb	0.1860	10.3	-5.6652	1.80946
V 292.401	0.5600	ppb	0.1370	24.5	3.1365	0.56001
Zn 206.200	1.4003	ppb	0.7098	50.7	1.7783	1.40030

mb 680-353950/1-a (Samp) **10/17/2014, 10:12:09 PM** **Rack 2, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-0.1444u	-0.1283u	-0.1029u
Al 308.215	-7.9395u	-7.9378u	-8.2174u
As 188.980	-5.5905u	0.6707	-6.4719u

Label	Replicates Concentration		
B 249.678	3.7723	3.6163	3.8393
Ba 389.178	-0.2405u	0.5958	-0.3780u
Be 313.042	-0.0273u	-0.0296u	-0.0203u
Ca 370.602	7.845	3.343	6.123
Cd 226.502	0.1066	0.1504	0.2988
Co 228.615	0.2081	0.2085	-0.0514u
Cr 267.716	0.2663	0.0871	0.1352
Cu 324.754	0.0451	0.1169	0.2276
Fe 271.441	0.8451	3.0228	0.2722
K 766.491	3.3524	3.2902	3.6441
Mg 279.078	2.8416	0.5038	1.6762
Mn 257.610	0.1359	0.1339	0.1740
Mo 202.032	0.0821	1.0620	0.4092
Na 330.237	241.782	110.731	208.365
Ni 231.604	-0.0116u	0.8239	-0.0728u
Pb 220.353	0.5201	0.5249	2.2035
Sb 206.834	3.7121	2.5641	4.5499
Se 196.026	3.4112	3.8497	-5.0012u
Sn 189.925	1.2428	-2.3654u	-0.8330u
Sr 216.596	0.1539	-0.3434u	-0.0150u
Ti 334.941	0.0127	0.0250	0.0346
Tl 190.794	1.9415	-3.4299u	0.8687
V 292.401	-0.2843u	-0.1241u	-0.1572u
Zn 206.200	2.9168	3.5834	3.4859

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1252	ppb	0.0209	16.7	-17.5257
Al 308.215	-8.0316	ppb	0.1609	2.0	549.401
As 188.980	-3.7972	ppb	3.8943	102.6	-7.7812
B 249.678	3.7426	ppb	0.1144	3.1	104.265
Ba 389.178	-0.0076	ppb	0.5270	6964.3	-80.7599
Be 313.042	-0.0257	ppb	0.0049	19.0	-286.552
Ca 370.602	5.770	ppb	2.271	39.4	37.08
Cd 226.502	0.1852	ppb	0.1008	54.4	17.3294
Co 228.615	0.1217	ppb	0.1499	123.1	8.2384
Cr 267.716	0.1628	ppb	0.0927	57.0	43.3489
Cu 324.754	0.1299	ppb	0.0919	70.8	252.817
Fe 271.441	1.3800	ppb	1.4512	105.2	18.2435
K 766.491	3.4289	ppb	0.1889	5.5	396.715
Mg 279.078	1.6739	ppb	1.1689	69.8	28.0513
Mn 257.610	0.1479	ppb	0.0226	15.3	65.3639
Mo 202.032	0.5178	ppb	0.4989	96.4	9.9379
Na 330.237	186.959	ppb	68.0973	36.4	34.0994
Ni 231.604	0.2465	ppb	0.5010	203.2	-4.8645
Pb 220.353	1.0828	ppb	0.9705	89.6	11.1936
Sb 206.834	3.6087	ppb	0.9970	27.6	-0.5080
Se 196.026	0.7532	ppb	4.9883	662.2	1.1225
Sn 189.925	-0.6519	ppb	1.8109	277.8	-6.2425
Sr 216.596	-0.0682	ppb	0.2529	370.9	5.5343
Ti 334.941	0.0241	ppb	0.0110	45.5	-24.6646
Tl 190.794	-0.2066	ppb	2.8426	1375.8	-7.9198
V 292.401	-0.1886	ppb	0.0846	44.9	-16.3431
Zn 206.200	3.3287	ppb	0.3600	10.8	3.8992

lcs 680-353950/2-a (Samp) **10/17/2014, 10:16:25 PM** **Rack 2, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	49.2119	49.1318	49.4697
Al 308.215	4704.78	4724.56	4739.95
As 188.980	89.6227	94.2319	94.4206
B 249.678	189.123	190.474	192.420
Ba 389.178	98.2523	97.4800	98.1870
Be 313.042	49.0796	49.1714	49.3694
Ca 370.602	4529	4540	4598
Cd 226.502	50.0679	50.0610	50.2626
Co 228.615	48.0253	48.0934	48.8545
Cr 267.716	96.6025	96.9498	97.7518
Cu 324.754	96.3244	96.5463	97.4181
Fe 271.441	4849.19	4856.15	4878.67
K 766.491	4813.75	4813.42	4832.05
Mg 279.078	4670.02	4685.16	4706.39
Mn 257.610	475.876	478.665	482.981
Mo 202.032	94.6720	95.5965	95.5018
Na 330.237	4820.75	4868.99	4897.94
Ni 231.604	96.0425	97.3392	97.5003
Pb 220.353	488.309	494.532	490.314
Sb 206.834	47.5974	47.3487	50.8225
Se 196.026	96.0606	89.7703	98.8947
Sn 189.925	189.884	187.853	188.082
Sr 216.596	95.9964	96.9351	96.9685
Ti 334.941	97.2581	97.4267	97.7077
Tl 190.794	38.5169	33.5545	38.4814
V 292.401	93.4218	93.5586	94.1100
Zn 206.200	97.9879	101.275	100.963

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.2711	ppb	0.1765	0.4	4196.49
Al 308.215	4723.09	ppb	17.6292	0.4	32288.4
As 188.980	92.7584	ppb	2.7172	2.9	57.1930
B 249.678	190.672	ppb	1.6576	0.9	3217.57
Ba 389.178	97.9731	ppb	0.4283	0.4	2038.06
Be 313.042	49.2068	ppb	0.1481	0.3	88793.9
Ca 370.602	4556	ppb	36.86	0.8	13232
Cd 226.502	50.1305	ppb	0.1144	0.2	2141.32
Co 228.615	48.3244	ppb	0.4603	1.0	574.584
Cr 267.716	97.1014	ppb	0.5894	0.6	5384.05
Cu 324.754	96.7629	ppb	0.5781	0.6	7418.87
Fe 271.441	4861.34	ppb	15.4097	0.3	7682.08
K 766.491	4819.74	ppb	10.6586	0.2	216127
Mg 279.078	4687.19	ppb	18.2728	0.4	12779.3
Mn 257.610	479.174	ppb	3.5793	0.7	94327.1
Mo 202.032	95.2568	ppb	0.5087	0.5	658.075
Na 330.237	4862.56	ppb	38.9933	0.8	240.328
Ni 231.604	96.9607	ppb	0.7992	0.8	297.911
Pb 220.353	491.051	ppb	3.1766	0.6	783.961
Sb 206.834	48.5895	ppb	1.9378	4.0	63.4057
Se 196.026	94.9085	ppb	4.6700	4.9	45.6031
Sn 189.925	188.606	ppb	1.1124	0.6	137.124
Sr 216.596	96.6333	ppb	0.5519	0.6	1206.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	97.4642	ppb	0.2271	0.2	28383.6
Tl 190.794	36.8509	ppb	2.8548	7.7	33.0886
V 292.401	93.6968	ppb	0.3643	0.4	2419.26
Zn 206.200	100.075	ppb	1.8146	1.8	109.668

640-49411-a-3-a (Samp) **10/17/2014, 10:20:42 PM** **Rack 2, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	0.0138u	0.1658u	0.1936u
Al 308.215	152.631	154.022	150.726
As 188.980	-0.2795u	-2.1553u	5.2078
B 249.678	4435.15	4438.54	4431.97
Ba 389.178	20.1104	20.5702	20.6887
Be 313.042	0.6919u	0.6942u	0.7003u
Ca 370.602	314133	312708	311306
Cd 226.502	2.0149	1.6064	1.7363
Co 228.615	-1.7323u	-1.3468u	-1.2845u
Cr 267.716	-4.7515u	-4.7487u	-4.5409
Cu 324.754	3.6636	3.3633	3.3184
Fe 271.441	153.012	154.409	148.644
K 766.491	525604x	527441x	528732x
Mg 279.078	1002134	1005993	1000542
Mn 257.610	-25.9194	-25.8165	-25.9807
Mo 202.032	6.7535	6.6412	5.0571
Na 330.237	13476261x	13496438x	13570537x
Ni 231.604	1.4804	1.2520	3.2710
Pb 220.353	-1.4328u	-4.4206u	0.1812
Sb 206.834	7.0707	5.4969	2.2029
Se 196.026	22.1510	22.9167	29.3554
Sn 189.925	-3.5252	-9.5456u	-6.6774u
Sr 216.596	6157.77	6167.70	6113.55
Ti 334.941	-1.2310	-1.2113	-1.2824
Tl 190.794	-9.0125u	-6.7580u	-6.4934u
V 292.401	5.1171	5.9658	6.6478
Zn 206.200	8.6213	9.9032	10.9227

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1244b	ppb	0.0968	77.8	-234.958
Al 308.215	152.460b	ppb	1.6546	1.1	1626.36
As 188.980	0.9243b	ppb	3.8263	414.0	-4.6048
B 249.678	4435.22b	ppb	3.2886	0.1	74163.5
Ba 389.178	20.4564b	ppb	0.3055	1.5	1729.33
Be 313.042	0.6955b	ppb	0.0044	0.6	-351.799
Ca 370.602	312715b	ppb	1414	0.5	907018
Cd 226.502	1.7858b	ppb	0.2087	11.7	19.2021
Co 228.615	-1.4545b	ppb	0.2426	16.7	-10.0416
Cr 267.716	-4.6804b	ppb	0.1208	2.6	38.0759
Cu 324.754	3.4484b	ppb	0.1877	5.4	499.032
Fe 271.441	152.022b	ppb	3.0070	2.0	255.416
K 766.491	527259xb	ppb	1572.30	0.3	23616966
Mg 279.078	1002890b	ppb	2802.55	0.3	2731927
Mn 257.610	-25.9056b	ppb	0.0830	0.3	1949.43
Mo 202.032	6.1506b	ppb	0.9487	15.4	48.4801

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	13514412xb	ppb	49641.6	0.4	606320
Ni 231.604	2.0011b	ppb	1.1057	55.3	0.6447
Pb 220.353	-1.8907b	ppb	2.3348	123.5	6.5098
Sb 206.834	4.9235b	ppb	2.4840	50.5	1.2646
Se 196.026	24.8077b	ppb	3.9569	16.0	12.4487
Sn 189.925	-6.5827b	ppb	3.0113	45.7	-6.5940
Sr 216.596	6146.34b	ppb	28.8296	0.5	76204.5
Ti 334.941	-1.2416b	ppb	0.0367	3.0	363.223
Tl 190.794	-7.4213b	ppb	1.3843	18.7	-16.0307
V 292.401	5.9102b	ppb	0.7669	13.0	57.3459
Zn 206.200	9.8157b	ppb	1.1532	11.7	11.0183

640-49411-a-5-a (Samp) **10/17/2014, 10:24:58 PM** **Rack 2, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	0.2049u	0.3588u	0.4277u
Al 308.215	153.159	155.280	153.072
As 188.980	-6.2971u	-1.0780u	-11.9783u
B 249.678	4445.50	4460.05	4444.21
Ba 389.178	21.9109	21.5937	20.6314
Be 313.042	0.6895u	0.6842u	0.6916u
Ca 370.602	311138	306573	312307
Cd 226.502	1.8021	1.7298	1.6212
Co 228.615	-1.4517u	-1.1819u	-1.2057u
Cr 267.716	-4.7644u	-4.6896	-4.5983
Cu 324.754	3.8758	4.0519	3.6258
Fe 271.441	175.932	169.790	178.136
K 766.491	527873x	526438x	523953x
Mg 279.078	1006763	1007632	1011444
Mn 257.610	-26.0178	-25.9909	-25.8885
Mo 202.032	6.6952	6.5072	6.4029
Na 330.237	13595228x	13587394x	13431812x
Ni 231.604	3.9317	2.9038	2.8106
Pb 220.353	-1.0078u	-2.7357u	3.8335
Sb 206.834	10.5990	4.4847	5.4407
Se 196.026	15.5209	19.4365	22.7587
Sn 189.925	-8.9251u	-8.1236u	-7.2866u
Sr 216.596	6149.49	6171.80	6228.46
Ti 334.941	-1.2293	-1.1648	-1.0047
Tl 190.794	-8.5904u	-4.2947u	-9.7608u
V 292.401	6.2270	5.5260	6.3905
Zn 206.200	4.7897	7.8846	13.3060

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3305b	ppb	0.1141	34.5	-220.156
Al 308.215	153.837b	ppb	1.2503	0.8	1635.66
As 188.980	-6.4511b	ppb	5.4518	84.5	-9.5689
B 249.678	4449.92b	ppb	8.7984	0.2	74409.1
Ba 389.178	21.3787b	ppb	0.6663	3.1	1757.69
Be 313.042	0.6885b	ppb	0.0038	0.6	-362.876
Ca 370.602	310006b	ppb	3030	1.0	899160
Cd 226.502	1.7177b	ppb	0.0911	5.3	16.6460
Co 228.615	-1.2798b	ppb	0.1494	11.7	-7.9857

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-4.6841b	ppb	0.0832	1.8	37.4831
Cu 324.754	3.8512b	ppb	0.2142	5.6	528.892
Fe 271.441	174.619b	ppb	4.3250	2.5	291.015
K 766.491	526088xb	ppb	1983.47	0.4	23564526
Mg 279.078	1008613b	ppb	2489.98	0.2	2747516
Mn 257.610	-25.9657b	ppb	0.0682	0.3	1981.57
Mo 202.032	6.5351b	ppb	0.1481	2.3	51.1106
Na 330.237	13538146xb	ppb	92170.1	0.7	607385
Ni 231.604	3.2154b	ppb	0.6221	19.3	4.4448
Pb 220.353	0.0300b	ppb	3.4054	11348.5	9.5399
Sb 206.834	6.8415b	ppb	3.2890	48.1	4.0026
Se 196.026	19.2387b	ppb	3.6230	18.8	9.8278
Sn 189.925	-8.1118b	ppb	0.8193	10.1	-7.7587
Sr 216.596	6183.25b	ppb	40.7140	0.7	76660.8
Ti 334.941	-1.1329b	ppb	0.1156	10.2	407.613
Tl 190.794	-7.5486b	ppb	2.8781	38.1	-16.1769
V 292.401	6.0478b	ppb	0.4592	7.6	61.1596
Zn 206.200	8.6601b	ppb	4.3108	49.8	9.7471

640-49411-a-4-a (Samp) **10/17/2014, 10:29:15 PM** **Rack 2, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	0.1039u	0.0800u	0.2623u
Al 308.215	167.294	167.262	152.785
As 188.980	6.2012	-3.0398u	-0.8313u
B 249.678	4304.37	4337.70	4475.59
Ba 389.178	18.0919	19.6503	24.1789
Be 313.042	0.6608u	0.6529u	0.6606u
Ca 370.602	302934	306142	340235
Cd 226.502	1.5734	1.5022	1.5877
Co 228.615	-1.1542u	-0.9991u	-0.9300u
Cr 267.716	-4.6286u	-4.9365u	-4.3079
Cu 324.754	3.3006	3.6522	2.5987
Fe 271.441	177.708	172.986	202.039
K 766.491	512634x	514985x	483762x
Mg 279.078	971096	981715	1092094x
Mn 257.610	-24.9603	-24.8738	-23.8065
Mo 202.032	6.2383	6.4447	8.0529
Na 330.237	13087445x	13145352x	12439598x
Ni 231.604	1.2044	2.7466	2.6728
Pb 220.353	3.0117	2.9399	-3.5829u
Sb 206.834	9.7745	2.0791	3.9253
Se 196.026	9.9286	21.7828	22.1887
Sn 189.925	-8.4514u	-4.9307	-9.6466u
Sr 216.596	5977.83	6044.22	7113.05x
Ti 334.941	-1.1763	-1.1358	-0.9391
Tl 190.794	-10.1450u	-9.0927u	-7.9971u
V 292.401	6.0565	6.1209	6.1397
Zn 206.200	5.0819	10.4678	11.4496

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1488b	ppb	0.0991	66.6	-241.999
Al 308.215	162.447b	ppb	8.3678	5.2	1693.39

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.7767b	ppb	4.8258	621.3	-4.7044
B 249.678	4372.55b	ppb	90.7769	2.1	73116.0
Ba 389.178	20.6404b	ppb	3.1619	15.3	1749.83
Be 313.042	0.6581b	ppb	0.0045	0.7	-348.906
Ca 370.602	316437b	ppb	20672	6.5	917812
Cd 226.502	1.5545b	ppb	0.0458	2.9	13.6540
Co 228.615	-1.0278b	ppb	0.1148	11.2	-5.0487
Cr 267.716	-4.6243b	ppb	0.3143	6.8	28.4611
Cu 324.754	3.1838b	ppb	0.5364	16.8	479.457
Fe 271.441	184.244b	ppb	15.5901	8.5	306.185
K 766.491	503794xb	ppb	17387.7	3.5	22565920
Mg 279.078	1014968xb	ppb	67003.7	6.6	2764829
Mn 257.610	-24.5468b	ppb	0.6427	2.6	2304.89
Mo 202.032	6.9120b	ppb	0.9934	14.4	53.6904
Na 330.237	12890798xb	ppb	391822	3.0	578343
Ni 231.604	2.2079b	ppb	0.8699	39.4	1.2937
Pb 220.353	0.7896b	ppb	3.7868	479.6	10.7367
Sb 206.834	5.2596b	ppb	4.0175	76.4	1.7339
Se 196.026	17.9667b	ppb	6.9642	38.8	9.2295
Sn 189.925	-7.6762b	ppb	2.4517	31.9	-7.6241
Sr 216.596	6378.37xb	ppb	637.119	10.0	79076.8
Ti 334.941	-1.0837b	ppb	0.1269	11.7	481.414
Tl 190.794	-9.0782b	ppb	1.0740	11.8	-17.8880
V 292.401	6.1057b	ppb	0.0436	0.7	67.2279
Zn 206.200	8.9997b	ppb	3.4283	38.1	10.1211

640-49416-a-1-a (Samp) **10/17/2014, 10:33:31 PM** **Rack 2, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	-0.1694u	-0.2081u	-0.0160u
Al 308.215	3.4431	2.3943	4.5486
As 188.980	-0.9994u	-3.3467u	-0.3007u
B 249.678	72.9753	68.8028	65.5558
Ba 389.178	25.0555	24.2602	24.9204
Be 313.042	0.0125	0.0116	0.0109
Ca 370.602	44346	44167	44458
Cd 226.502	0.2033	0.1162	0.1934
Co 228.615	-0.5352u	-0.2845u	-0.2310u
Cr 267.716	0.3535	0.2574	0.3210
Cu 324.754	0.9224	0.6757	0.8435
Fe 271.441	470.977	475.822	466.272
K 766.491	961.711	964.098	960.998
Mg 279.078	2170.81	2173.35	2187.01
Mn 257.610	1186.07	1180.47	1189.66
Mo 202.032	0.9105	-0.7344u	0.1616
Na 330.237	13359.4	13402.3	13587.8
Ni 231.604	0.1552	0.2969	-0.2813u
Pb 220.353	2.3110	-0.5465u	1.3954
Sb 206.834	2.7776	-1.2659u	0.9264
Se 196.026	0.2859	3.8908	1.1193
Sn 189.925	1.1798	-0.4312u	2.1607
Sr 216.596	277.414	276.887	277.740
Ti 334.941	0.1840	0.1103	0.1474

Label	Replicates Concentration		
Tl 190.794	-0.6606u	-1.4265u	-0.2982
V 292.401	-0.0031u	-0.2095u	-0.0912u
Zn 206.200	9.1478	9.6201	8.7125

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1312	ppb	0.1016	77.4	-21.7555
Al 308.215	3.4620	ppb	1.0773	31.1	627.230
As 188.980	-1.5489	ppb	1.5956	103.0	-6.2709
B 249.678	69.1113	ppb	3.7193	5.4	1195.56
Ba 389.178	24.7454	ppb	0.4255	1.7	455.294
Be 313.042	0.0117	ppb	0.0008	7.2	-204.359
Ca 370.602	44324	ppb	146.9	0.3	128603
Cd 226.502	0.1709	ppb	0.0477	27.9	18.4091
Co 228.615	-0.3502	ppb	0.1624	46.4	2.7387
Cr 267.716	0.3106	ppb	0.0489	15.7	58.1746
Cu 324.754	0.8139	ppb	0.1260	15.5	303.696
Fe 271.441	471.023	ppb	4.7750	1.0	758.134
K 766.491	962.269	ppb	1.6238	0.2	43344.6
Mg 279.078	2177.06	ppb	8.7135	0.4	5927.95
Mn 257.610	1185.40	ppb	4.6349	0.4	233200
Mo 202.032	0.1126	ppb	0.8235	731.6	7.1422
Na 330.237	13449.9	ppb	121.407	0.9	628.878
Ni 231.604	0.0569	ppb	0.3014	529.5	-5.4163
Pb 220.353	1.0533	ppb	1.4591	138.5	11.4355
Sb 206.834	0.8127	ppb	2.0241	249.1	-4.4745
Se 196.026	1.7653	ppb	1.8873	106.9	1.8976
Sn 189.925	0.9698	ppb	1.3087	134.9	-5.0099
Sr 216.596	277.347	ppb	0.4304	0.2	3458.00
Ti 334.941	0.1472	ppb	0.0369	25.0	14.1286
Tl 190.794	-0.7951	ppb	0.5760	72.5	-7.9896
V 292.401	-0.1013	ppb	0.1036	102.3	-13.9085
Zn 206.200	9.1601	ppb	0.4539	5.0	10.2843

640-49416-a-2-a (Samp) **10/17/2014, 10:37:48 PM** **Rack 2, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	-1.1941u	-1.3690u	-1.1302u
Al 308.215	45012.4	44952.3	44915.2
As 188.980	18.4993	21.6214	14.7804
B 249.678	904.846	906.948	908.474
Ba 389.178	240.821	241.513	241.668
Be 313.042	2.5656	2.5576	2.5660
Ca 370.602	27145	27033	27098
Cd 226.502	-0.1272	-0.0595	-0.1310
Co 228.615	1.0587	1.4430	1.2944
Cr 267.716	110.235	110.140	110.580
Cu 324.754	7.0021	7.0786	6.9592
Fe 271.441	12927.6	12912.1	12907.0
K 766.491	95308.8x	95415.4x	95253.9x
Mg 279.078	5992.77	5984.10	5982.96
Mn 257.610	168.440	168.579	168.524
Mo 202.032	8.6193	8.1730	8.0308
Na 330.237	15126.6	14908.5	15155.2

Label	Replicates Concentration		
Ni 231.604	16.1179	16.3444	16.7518
Pb 220.353	26.3845	27.9617	26.3353
Sb 206.834	-0.0149	-0.8153	1.8362
Se 196.026	7.8612	7.6251	7.4317
Sn 189.925	4.4930	-1.0619u	4.2786
Sr 216.596	1237.60	1235.04	1235.63
Ti 334.941	213.931	212.467	212.286
Tl 190.794	-0.0620u	0.2203u	2.1286
V 292.401	65.3563	65.0846	65.5927
Zn 206.200	38.7483	38.2721	37.5957

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2311b	ppb	0.1236	10.0	-157.277
Al 308.215	44960.0b	ppb	49.0917	0.1	302029
As 188.980	18.3004b	ppb	3.4248	18.7	7.4853
B 249.678	906.756b	ppb	1.8216	0.2	15165.6
Ba 389.178	241.334b	ppb	0.4507	0.2	5129.70
Be 313.042	2.5631b	ppb	0.0047	0.2	4407.80
Ca 370.602	27092b	ppb	56.54	0.2	78542
Cd 226.502	-0.1059b	ppb	0.0402	38.0	52.7797
Co 228.615	1.2654b	ppb	0.1938	15.3	27.3801
Cr 267.716	110.318b	ppb	0.2315	0.2	6115.79
Cu 324.754	7.0133b	ppb	0.0605	0.9	767.902
Fe 271.441	12915.6b	ppb	10.7404	0.1	20365.5
K 766.491	95326.0xb	ppb	82.1222	0.1	4270038
Mg 279.078	5986.61b	ppb	5.3645	0.1	16310.2
Mn 257.610	168.514b	ppb	0.0702	0.0	33257.4
Mo 202.032	8.2744b	ppb	0.3071	3.7	62.3463
Na 330.237	15063.4b	ppb	134.955	0.9	697.467
Ni 231.604	16.4047b	ppb	0.3212	2.0	46.7996
Pb 220.353	26.8938b	ppb	0.9251	3.4	52.1237
Sb 206.834	0.3354b	ppb	1.3600	405.6	-3.6015
Se 196.026	7.6393b	ppb	0.2151	2.8	4.5250
Sn 189.925	2.5699b	ppb	3.1471	122.5	-3.7974
Sr 216.596	1236.09b	ppb	1.3418	0.1	15330.9
Ti 334.941	212.895b	ppb	0.9018	0.4	62031.0
Tl 190.794	0.7623b	ppb	1.1916	156.3	-8.4285
V 292.401	65.3445b	ppb	0.2542	0.4	1696.78
Zn 206.200	38.2054b	ppb	0.5792	1.5	41.2650

640-49432-n-1-a (Samp) **10/17/2014, 10:42:05 PM** **Rack 2, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	-0.1096u	-0.1527u	0.0286u
Al 308.215	66.4854	67.9533	65.5214
As 188.980	-3.0988u	2.5760	0.0871u
B 249.678	2560.76	2573.92	2573.91
Ba 389.178	645.685	643.634	643.010
Be 313.042	0.0745u	0.0697u	0.0775u
Ca 370.602	147857	147841	148013
Cd 226.502	0.1320	0.1149	0.1915
Co 228.615	0.7611	0.9837	0.3059
Cr 267.716	-0.6163	-0.4578	-0.6963

Label	Replicates Concentration		
Cu 324.754	1.1298	1.2259	1.2195
Fe 271.441	10278.0	10265.1	10253.7
K 766.491	122425x	122173x	121463x
Mg 279.078	238892	239223	237954
Mn 257.610	439.593	439.984	440.145
Mo 202.032	-0.5016u	0.0796	-0.7717u
Na 330.237	2793623x	2809222x	2795157x
Ni 231.604	4.4702	2.7747	5.6215
Pb 220.353	3.6293	2.0409	-0.3910
Sb 206.834	1.1521	1.0303	3.1960
Se 196.026	12.0268	6.4214	12.7630
Sn 189.925	-6.3866u	-1.9688u	-0.0582
Sr 216.596	1613.33	1610.23	1610.01
Ti 334.941	0.6365	0.6768	0.7045
Tl 190.794	-2.6320u	-6.3539u	-4.1114u
V 292.401	0.8703	1.4783	1.3011
Zn 206.200	9.9701	8.9765	11.0308

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0779b	ppb	0.0947	121.6	-75.4728
Al 308.215	66.6534b	ppb	1.2246	1.8	1067.53
As 188.980	-0.1452b	ppb	2.8446	1958.8	-5.3904
B 249.678	2569.53b	ppb	7.5962	0.3	42959.7
Ba 389.178	644.109b	ppb	1.3997	0.2	14116.5
Be 313.042	0.0739b	ppb	0.0039	5.3	-362.007
Ca 370.602	147904b	ppb	95.00	0.1	428888
Cd 226.502	0.1461b	ppb	0.0402	27.5	40.3666
Co 228.615	0.6836b	ppb	0.3455	50.5	15.7001
Cr 267.716	-0.5901b	ppb	0.1214	20.6	63.4624
Cu 324.754	1.1917b	ppb	0.0537	4.5	335.959
Fe 271.441	10265.6b	ppb	12.1802	0.1	16189.5
K 766.491	122020xb	ppb	498.727	0.4	5465718
Mg 279.078	238690b	ppb	657.994	0.3	650212
Mn 257.610	439.908b	ppb	0.2837	0.1	88257.6
Mo 202.032	-0.3979b	ppb	0.4350	109.3	3.1836
Na 330.237	2799334xb	ppb	8597.62	0.3	125609
Ni 231.604	4.2888b	ppb	1.4320	33.4	8.6637
Pb 220.353	1.7598b	ppb	2.0248	115.1	13.0440
Sb 206.834	1.7928b	ppb	1.2168	67.9	-2.7490
Se 196.026	10.4037b	ppb	3.4684	33.3	5.8711
Sn 189.925	-2.8045b	ppb	3.2459	115.7	-7.0136
Sr 216.596	1611.19b	ppb	1.8545	0.1	20021.1
Ti 334.941	0.6726b	ppb	0.0342	5.1	377.553
Tl 190.794	-4.3658b	ppb	1.8740	42.9	-13.7343
V 292.401	1.2166b	ppb	0.3127	25.7	6.9823
Zn 206.200	9.9924b	ppb	1.0273	10.3	10.7416

640-49432-n-3-a (Samp) **10/17/2014, 10:46:22 PM** **Rack 2, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	-0.1198u	-0.1960u	-0.2921u
Al 308.215	4.0399	5.6024	2.5989
As 188.980	6.0548	6.0917	8.3854

Label	Replicates Concentration		
B 249.678	202.958	199.557	197.407
Ba 389.178	380.639	379.737	379.385
Be 313.042	-0.0549u	-0.0431u	-0.0556u
Ca 370.602	73701	73767	73274
Cd 226.502	-0.1554	-0.1315	-0.0680
Co 228.615	0.0381	-0.2277u	-0.1349u
Cr 267.716	0.7181	0.5677	0.5504
Cu 324.754	0.9877	1.1726	0.9188
Fe 271.441	6724.51	6714.44	6696.83
K 766.491	10690.1	10699.2	10698.6
Mg 279.078	27404.2	27371.7	27306.0
Mn 257.610	453.504	454.087	451.091
Mo 202.032	-0.3216u	0.1744	-0.5194u
Na 330.237	128273x	127487x	128138x
Ni 231.604	1.8364	3.3273	1.9992
Pb 220.353	-0.5695u	2.0880	1.4384
Sb 206.834	-0.0282	2.4481	1.1790
Se 196.026	0.1430	-0.6722u	-6.0813u
Sn 189.925	2.3189	-0.0627u	1.2551
Sr 216.596	508.783	508.587	507.282
Ti 334.941	0.9073	0.8846	0.9191
Tl 190.794	1.2005	0.8947	2.5956
V 292.401	-0.0553	-0.1365u	-0.0780u
Zn 206.200	6.6158	6.2030	6.1736

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2026b	ppb	0.0864	42.6	-41.7845
Al 308.215	4.0804b	ppb	1.5021	36.8	641.951
As 188.980	6.8440b	ppb	1.3351	19.5	-0.6636
B 249.678	199.974b	ppb	2.7992	1.4	3368.06
Ba 389.178	379.920b	ppb	0.6470	0.2	8138.78
Be 313.042	-0.0512b	ppb	0.0071	13.8	-321.053
Ca 370.602	73581b	ppb	267.5	0.4	213365
Cd 226.502	-0.1183b	ppb	0.0452	38.2	28.9815
Co 228.615	-0.1082b	ppb	0.1349	124.7	6.0552
Cr 267.716	0.6121b	ppb	0.0922	15.1	76.2202
Cu 324.754	1.0264b	ppb	0.1312	12.8	322.159
Fe 271.441	6711.93b	ppb	14.0118	0.2	10590.7
K 766.491	10696.0b	ppb	5.0728	0.0	479332
Mg 279.078	27360.6b	ppb	49.9885	0.2	74544.9
Mn 257.610	452.894b	ppb	1.5882	0.4	89323.7
Mo 202.032	-0.2222b	ppb	0.3574	160.8	4.5554
Na 330.237	127966xb	ppb	419.869	0.3	5765.09
Ni 231.604	2.3876b	ppb	0.8178	34.3	2.4117
Pb 220.353	0.9856b	ppb	1.3854	140.6	11.5878
Sb 206.834	1.1997b	ppb	1.2383	103.2	-3.7083
Se 196.026	-2.2035b	ppb	3.3829	153.5	-0.0945
Sn 189.925	1.1704b	ppb	1.1930	101.9	-4.8224
Sr 216.596	508.217b	ppb	0.8158	0.2	6334.96
Ti 334.941	0.9037b	ppb	0.0176	1.9	271.603
Tl 190.794	1.5636b	ppb	0.9067	58.0	-6.6127
V 292.401	-0.0900b	ppb	0.0419	46.6	-11.8278
Zn 206.200	6.3308b	ppb	0.2473	3.9	6.8835

640-49432-n-4-a (Samp) **10/17/2014, 10:50:39 PM** **Rack 2, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1421u	-0.0666u	0.1522u
Al 308.215	0.3440	0.2248	-1.4966
As 188.980	8.4319	7.6109	11.3563
B 249.678	474.152	475.705	475.977
Ba 389.178	703.184	704.427	704.380
Be 313.042	-0.0359u	-0.0286u	-0.0318u
Ca 370.602	81283	81691	82352
Cd 226.502	-0.4545	-0.4875	-0.4176
Co 228.615	2.4025	2.3903	2.6210
Cr 267.716	0.0834	0.0204	-0.0462
Cu 324.754	0.5965	0.6361	0.3876
Fe 271.441	22049.3	22108.3	22149.0
K 766.491	20134.3	19849.4	19749.5
Mg 279.078	42933.1	43097.6	43172.5
Mn 257.610	378.569	379.874	382.385
Mo 202.032	-0.0680u	-0.0787u	-0.3208u
Na 330.237	483155x	482098x	481882x
Ni 231.604	1.6662	1.7043	3.0291
Pb 220.353	3.1246	-0.6268	2.3827
Sb 206.834	-0.1455	0.8871	-2.2312u
Se 196.026	6.2555	-2.1043u	6.7158
Sn 189.925	0.8406	0.7051	1.8894
Sr 216.596	610.914	619.842	620.262
Ti 334.941	0.6584	0.7205	0.6789
Tl 190.794	-6.9001u	-2.9538u	-4.8596u
V 292.401	-0.1810	-0.1759	-0.1618
Zn 206.200	4.8902	8.1460	8.9324

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0188b	ppb	0.1528	812.6	-33.3732
Al 308.215	-0.3093b	ppb	1.0300	333.0	638.600
As 188.980	9.1331b	ppb	1.9687	21.6	0.7749
B 249.678	475.278b	ppb	0.9849	0.2	7933.17
Ba 389.178	703.997b	ppb	0.7045	0.1	15144.7
Be 313.042	-0.0321b	ppb	0.0036	11.4	-322.789
Ca 370.602	81775b	ppb	539.2	0.7	236941
Cd 226.502	-0.4532b	ppb	0.0350	7.7	69.8651
Co 228.615	2.4713b	ppb	0.1298	5.3	37.4393
Cr 267.716	0.0192b	ppb	0.0648	337.0	57.6230
Cu 324.754	0.5401b	ppb	0.1335	24.7	292.857
Fe 271.441	22102.2b	ppb	50.1395	0.2	34838.4
K 766.491	19911.1b	ppb	199.683	1.0	892090
Mg 279.078	43067.7b	ppb	122.482	0.3	117333
Mn 257.610	380.276b	ppb	1.9391	0.5	75192.0
Mo 202.032	-0.1559b	ppb	0.1430	91.7	4.2821
Na 330.237	482378xb	ppb	681.598	0.1	21661.6
Ni 231.604	2.1332b	ppb	0.7761	36.4	2.9368
Pb 220.353	1.6269b	ppb	1.9866	122.1	13.6106
Sb 206.834	-0.4965b	ppb	1.5885	319.9	-5.6373
Se 196.026	3.6224b	ppb	4.9648	137.1	2.7727
Sn 189.925	1.1450b	ppb	0.6482	56.6	-4.7320
Sr 216.596	617.006b	ppb	5.2798	0.9	7703.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.6859b	ppb	0.0316	4.6	210.590
Tl 190.794	-4.9045b	ppb	1.9735	40.2	-15.9955
V 292.401	-0.1729b	ppb	0.0099	5.7	-10.8206
Zn 206.200	7.3229b	ppb	2.1431	29.3	7.2579

Cont Calib Verif (CCV) **10/17/2014, 10:54:56 PM** **Rack 3, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	496.691	497.753	493.560
Al 308.215	4875.15	4879.21	4874.54
As 188.980	472.060	461.336	461.276
B 249.678	500.302	501.928	502.356
Ba 389.178	5016.40	5027.66	5013.80
Be 313.042	493.792	495.870	494.825
Ca 370.602	4686	4699	4668
Cd 226.502	508.833	510.288	508.723
Co 228.615	490.667	491.561	489.584
Cr 267.716	4923.56	4930.78	4908.05
Cu 324.754	5031.11	4961.54	4999.65
Fe 271.441	4900.56	4918.64	4895.43
K 766.491	10148.5	10140.4	10160.2
Mg 279.078	4882.61	4880.50	4868.29
Mn 257.610	4814.37	4811.82	4770.03
Mo 202.032	486.631	492.492	491.788
Na 330.237	7886.38	7901.44	7837.67
Ni 231.604	2518.25	2515.67	2525.43
Pb 220.353	507.636	509.401	507.873
Sb 206.834	954.982	944.497	951.456
Se 196.026	4856.31	4879.08	4879.82
Sn 189.925	4927.27	4905.04	4931.21
Sr 216.596	2491.81	2496.25	2493.19
Ti 334.941	493.719	494.984	494.285
Tl 190.794	4955.90	4977.20	4935.07
V 292.401	4768.98	4775.24	4756.46
Zn 206.200	2456.55	2455.33	2445.81

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.001	ppb	2.1799	0.4	42270.4	99.20027
Al 308.215	4876.30	ppb	2.5394	0.1	33816.8	97.52602
As 188.980	464.891	ppb	6.2089	1.3	307.530	92.97810
B 249.678	501.529	ppb	1.0834	0.2	8426.04	100.30574
Ba 389.178	5019.29	ppb	7.3680	0.1	107989	100.38573
Be 313.042	494.829	ppb	1.0389	0.2	895370	98.96582
Ca 370.602	4684	ppb	15.81	0.3	13945	93.68799
Cd 226.502	509.281	ppb	0.8736	0.2	21502.0	101.85625
Co 228.615	490.604	ppb	0.9901	0.2	5778.08	98.12082
Cr 267.716	4920.80	ppb	11.6121	0.2	270924	98.41592
Cu 324.754	4997.43	ppb	34.8389	0.7	370548	99.94867
Fe 271.441	4904.88	ppb	12.1898	0.2	7854.69	98.09750
K 766.491	10149.7	ppb	9.9320	0.1	454863	101.49700
Mg 279.078	4877.14	ppb	7.7309	0.2	13202.5	97.54272
Mn 257.610	4798.74	ppb	24.8966	0.5	943908	95.97478
Mo 202.032	490.304	ppb	3.2002	0.7	3356.79	98.06073

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	7875.16	ppb	33.3319	0.4	319.707	105.00217
Ni 231.604	2519.78	ppb	5.0591	0.2	7874.20	100.79131
Pb 220.353	508.303	ppb	0.9579	0.2	815.268	101.66060
Sb 206.834	950.311	ppb	5.3355	0.6	1402.40	95.03114
Se 196.026	4871.74	ppb	13.3639	0.3	2295.04	97.43475
Sn 189.925	4921.18	ppb	14.1104	0.3	3722.09	98.42355
Sr 216.596	2493.75	ppb	2.2749	0.1	30800.5	99.75000
Ti 334.941	494.330	ppb	0.6335	0.1	144052	98.86591
Tl 190.794	4956.06	ppb	21.0676	0.4	5544.77	99.12112
V 292.401	4766.89	ppb	9.5648	0.2	124209	95.33789
Zn 206.200	2452.56	ppb	5.8787	0.2	2679.04	98.10258

Cont Calib Blank (CCB) **10/17/2014, 10:59:13 PM** **Rack 3, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	-0.2303u	-0.0294u	0.2085
Al 308.215	-7.3791u	-6.8689u	-6.9920u
As 188.980	0.4157	-3.3962u	-0.5680u
B 249.678	15.1686	13.7473	12.2410
Ba 389.178	0.7720	1.6275	1.4599
Be 313.042	0.0239	0.0081	0.0234
Ca 370.602	8.811	8.943	5.081
Cd 226.502	0.3298	0.3258	0.2079
Co 228.615	-0.0775u	0.2746	-0.2771u
Cr 267.716	0.7190	0.5964	0.6549
Cu 324.754	1.1262	1.2863	0.5891
Fe 271.441	3.6256	1.1691	-0.3154u
K 766.491	4.1495	3.5745	3.1769
Mg 279.078	6.2236	3.8299	3.1044
Mn 257.610	0.7596	0.6950	0.7547
Mo 202.032	1.2991	0.8326	0.9930
Na 330.237	253.634	20.9911	141.884
Ni 231.604	-0.4577u	-0.0262u	1.3755
Pb 220.353	-1.0772u	0.4015	1.4919
Sb 206.834	4.1428	7.0187	4.0861
Se 196.026	1.6953	0.9914	2.2271
Sn 189.925	-0.0596u	1.9213	1.8483
Sr 216.596	0.4634	0.6037	0.1726
Ti 334.941	0.0434	0.0839	0.1320
Tl 190.794	2.2116	3.6481	3.4973
V 292.401	0.6409	0.7378	0.6186
Zn 206.200	1.2056	2.1057	1.6853

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0171	ppb	0.2197	1287.6	-8.3043	-0.01706
Al 308.215	-7.0800	ppb	0.2663	3.8	555.875	-7.07999
As 188.980	-1.1828	ppb	1.9789	167.3	-6.0218	-1.18284
B 249.678	13.7190	ppb	1.4640	10.7	270.993	13.71900
Ba 389.178	1.2865	ppb	0.4534	35.2	-52.8969	1.28648
Be 313.042	0.0185	ppb	0.0090	48.5	-206.574	0.01849
Ca 370.602	7.612	ppb	2.193	28.8	42.47	7.61200
Cd 226.502	0.2878	ppb	0.0693	24.1	21.6560	0.28783
Co 228.615	-0.0266	ppb	0.2794	1048.8	6.4826	-0.02664

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	0.6568	ppb	0.0613	9.3	70.5402	0.65678
Cu 324.754	1.0005	ppb	0.3652	36.5	317.350	1.00051
Fe 271.441	1.4931	ppb	1.9904	133.3	18.4151	1.49308
K 766.491	3.6336	ppb	0.4890	13.5	405.886	3.63363
Mg 279.078	4.3860	ppb	1.6322	37.2	35.4249	4.38596
Mn 257.610	0.7364	ppb	0.0360	4.9	181.128	0.73645
Mo 202.032	1.0415	ppb	0.2370	22.8	13.5222	1.04152
Na 330.237	138.836	ppb	116.351	83.8	31.9993	138.83632
Ni 231.604	0.2972	ppb	0.9584	322.5	-4.7057	0.29719
Pb 220.353	0.2721	ppb	1.2894	473.9	9.9152	0.27209
Sb 206.834	5.0825	ppb	1.6770	33.0	1.5938	5.08253
Se 196.026	1.6379	ppb	0.6198	37.8	1.5390	1.63793
Sn 189.925	1.2367	ppb	1.1232	90.8	-4.8119	1.23666
Sr 216.596	0.4132	ppb	0.2199	53.2	11.4665	0.41322
Ti 334.941	0.0864	ppb	0.0444	51.3	-6.4977	0.08640
Tl 190.794	3.1190	ppb	0.7895	25.3	-4.2013	3.11902
V 292.401	0.6658	ppb	0.0634	9.5	5.8744	0.66577
Zn 206.200	1.6655	ppb	0.4504	27.0	2.0701	1.66554

640-49453-p-1-a (Samp) **10/17/2014, 11:03:31 PM** **Rack 3, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-0.3432u	-0.1962u	-0.3012u
Al 308.215	12.4365	15.4698	15.8555
As 188.980	35.7894	34.8050	37.3203
B 249.678	398.963	398.239	400.532
Ba 389.178	794.490	792.800	793.824
Be 313.042	-0.0406u	-0.0472u	-0.0464u
Ca 370.602	130667	130033	129961
Cd 226.502	-0.3040	-0.4160	-0.2987
Co 228.615	-0.1923u	-0.7466u	-0.6887u
Cr 267.716	0.3059	-0.0223	-0.1226
Cu 324.754	0.3407	0.2645	0.4689
Fe 271.441	16719.7	16662.1	16660.5
K 766.491	24607.2	24576.7	24660.0
Mg 279.078	58612.1	58374.1	58425.3
Mn 257.610	411.344	409.749	408.806
Mo 202.032	0.5905	0.0170u	-0.3307u
Na 330.237	372013x	372018x	372021x
Ni 231.604	3.2302	2.1306	2.5640
Pb 220.353	1.6941	-1.5938u	0.7433
Sb 206.834	0.3111	3.5005	1.1488
Se 196.026	8.4098	6.1107	6.9802
Sn 189.925	2.2481	0.9904	-2.4831u
Sr 216.596	932.731	928.180	927.396
Ti 334.941	0.3318	0.4001	0.3306
Tl 190.794	-2.5435u	1.5937u	-3.4554u
V 292.401	-0.5852u	-0.6514u	-0.2876u
Zn 206.200	6.5530	4.8882	5.6347

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2802b	ppb	0.0757	27.0	-65.9829
Al 308.215	14.5873b	ppb	1.8726	12.8	729.238

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	35.9716b	ppb	1.2675	3.5	18.8741
B 249.678	399.245b	ppb	1.1723	0.3	6675.22
Ba 389.178	793.705b	ppb	0.8513	0.1	17093.7
Be 313.042	-0.0447b	ppb	0.0036	8.1	-317.554
Ca 370.602	130220b	ppb	388.3	0.3	377518
Cd 226.502	-0.3396b	ppb	0.0663	19.5	55.3409
Co 228.615	-0.5425b	ppb	0.3047	56.2	1.6334
Cr 267.716	0.0537b	ppb	0.2241	417.6	54.8629
Cu 324.754	0.3580b	ppb	0.1033	28.8	276.985
Fe 271.441	16680.8b	ppb	33.7381	0.2	26296.6
K 766.491	24614.6b	ppb	42.1489	0.2	1102770
Mg 279.078	58470.5b	ppb	125.267	0.2	159290
Mn 257.610	409.966b	ppb	1.2827	0.3	81125.4
Mo 202.032	0.0922b	ppb	0.4652	504.3	6.2384
Na 330.237	372017xb	ppb	4.1934	0.0	16711.7
Ni 231.604	2.6416b	ppb	0.5539	21.0	4.0633
Pb 220.353	0.2812b	ppb	1.6919	601.7	11.1301
Sb 206.834	1.6534b	ppb	1.6535	100.0	-2.7495
Se 196.026	7.1669b	ppb	1.1608	16.2	4.3967
Sn 189.925	0.2518b	ppb	2.4506	973.2	-5.4424
Sr 216.596	929.436b	ppb	2.8803	0.3	11583.0
Ti 334.941	0.3541b	ppb	0.0398	11.2	149.030
Tl 190.794	-1.4684b	ppb	2.6908	183.2	-11.3975
V 292.401	-0.5081b	ppb	0.1938	38.1	-20.6146
Zn 206.200	5.6920b	ppb	0.8339	14.7	5.7203

640-49453-p-3-a (Samp) **10/17/2014, 11:07:48 PM** **Rack 3, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-0.1186u	0.1678u	-0.0555u
Al 308.215	15.8405	11.5902	12.1794
As 188.980	-1.9374u	-0.2816u	0.6755
B 249.678	2470.28	2484.85	2475.34
Ba 389.178	589.142	588.432	581.822
Be 313.042	0.0713u	0.0760u	0.0688u
Ca 370.602	130363	130675	130151
Cd 226.502	0.2347	0.3894	0.2078
Co 228.615	0.1683	0.4387	0.3299
Cr 267.716	-0.6583	-0.7979	-0.6967
Cu 324.754	0.9812	1.0880	1.1489
Fe 271.441	8331.00	8345.75	8269.08
K 766.491	117609x	117696x	117067x
Mg 279.078	209820	210110	208528
Mn 257.610	149.578	150.223	148.736
Mo 202.032	0.4131	0.0858	0.1086
Na 330.237	2749331x	2770219x	2722051x
Ni 231.604	2.9769	2.9288	2.2842
Pb 220.353	0.3206	-1.9056u	-0.8450u
Sb 206.834	5.2405	-0.5815u	6.2824
Se 196.026	15.0232	15.5345	14.7893
Sn 189.925	3.2899	2.5474	-2.3039u
Sr 216.596	1553.02	1551.27	1541.55
Ti 334.941	-0.3940	-0.4343	-0.3933

Label	Replicates Concentration		
Tl 190.794	-2.8277u	-4.1691u	-4.7940u
V 292.401	0.5023u	0.6378	0.2902u
Zn 206.200	8.8380	9.5406	7.7092

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0021b	ppb	0.1505	7126.6	-67.2478
Al 308.215	13.2033b	ppb	2.3027	17.4	705.919
As 188.980	-0.5145b	ppb	1.3219	256.9	-5.6267
B 249.678	2476.82b	ppb	7.3964	0.3	41415.0
Ba 389.178	586.465b	ppb	4.0368	0.7	12834.6
Be 313.042	0.0720b	ppb	0.0036	5.0	-365.746
Ca 370.602	130396b	ppb	263.6	0.2	378124
Cd 226.502	0.2773b	ppb	0.0980	35.4	38.5084
Co 228.615	0.3123b	ppb	0.1360	43.6	11.1487
Cr 267.716	-0.7176b	ppb	0.0721	10.0	53.0211
Cu 324.754	1.0727b	ppb	0.0849	7.9	326.305
Fe 271.441	8315.28b	ppb	40.6817	0.5	13116.8
K 766.491	117457xb	ppb	341.210	0.3	5261330
Mg 279.078	209486b	ppb	842.222	0.4	570667
Mn 257.610	149.512b	ppb	0.7457	0.5	30930.7
Mo 202.032	0.2025b	ppb	0.1827	90.3	7.3857
Na 330.237	2747200xb	ppb	24154.6	0.9	123271
Ni 231.604	2.7300b	ppb	0.3868	14.2	3.6199
Pb 220.353	-0.8100b	ppb	1.1135	137.5	8.7987
Sb 206.834	3.6471b	ppb	3.6990	101.4	-0.1772
Se 196.026	15.1157b	ppb	0.3811	2.5	7.9984
Sn 189.925	1.1778b	ppb	3.0380	257.9	-4.0119
Sr 216.596	1548.61b	ppb	6.1779	0.4	19236.5
Ti 334.941	-0.4072b	ppb	0.0234	5.8	13.9779
Tl 190.794	-3.9303b	ppb	1.0047	25.6	-13.1406
V 292.401	0.4768b	ppb	0.1752	36.7	-13.1535
Zn 206.200	8.6959b	ppb	0.9239	10.6	9.4089

640-49453-p-3-a (Samp) **10/17/2014, 11:12:05 PM** **Rack 3, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1706u	-0.1763u	-0.2244u
Al 308.215	-0.4819u	-1.4922u	0.5105
As 188.980	-3.0678u	1.0142	-3.6098u
B 249.678	516.106	507.687	499.793
Ba 389.178	123.613	122.125	120.454
Be 313.042	-0.0245u	-0.0239u	-0.0251u
Ca 370.602	27294	26842	26351
Cd 226.502	0.2882	0.1889	0.2299
Co 228.615	0.2360	0.0311	-0.3841u
Cr 267.716	-0.2021u	-0.0216	-0.2405u
Cu 324.754	0.4402	0.2274	0.5737
Fe 271.441	1808.81	1786.49	1763.48
K 766.491	17301.2	17016.9	16831.5
Mg 279.078	43307.1	42619.8	42031.4
Mn 257.610	31.7468	31.6508	31.0612
Mo 202.032	0.0330	0.1282	0.0886
Na 330.237	488026x	476058x	474317x

Label	Replicates Concentration		
Ni 231.604	0.5015	1.9479	1.2033
Pb 220.353	2.1990	0.5638	1.6940
Sb 206.834	6.5996	4.6226	2.1080
Se 196.026	5.7927	13.5131	5.2699
Sn 189.925	2.2859	-0.1525	0.9390
Sr 216.596	337.635	332.047	326.579
Ti 334.941	-0.2099u	-0.1453u	-0.1716u
Tl 190.794	-2.1369u	-2.1414u	-0.2536u
V 292.401	0.1226	0.1987	-0.0787u
Zn 206.200	2.7495	2.6416	3.9141

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1904b	ppb	0.0296	15.5	-35.9233
Al 308.215	-0.4879b	ppb	1.0013	205.3	603.011
As 188.980	-1.8878b	ppb	2.5278	133.9	-6.5078
B 249.678	507.862b	ppb	8.1579	1.6	8524.94
Ba 389.178	122.064b	ppb	1.5800	1.3	2606.26
Be 313.042	-0.0245b	ppb	0.0006	2.4	-327.946
Ca 370.602	26829b	ppb	471.8	1.8	77813
Cd 226.502	0.2357b	ppb	0.0499	21.2	23.7725
Co 228.615	-0.0390b	ppb	0.3159	809.7	6.4949
Cr 267.716	-0.1548b	ppb	0.1169	75.5	36.2796
Cu 324.754	0.4138b	ppb	0.1746	42.2	274.616
Fe 271.441	1786.26b	ppb	22.6662	1.3	2830.28
K 766.491	17049.9b	ppb	236.587	1.4	763934
Mg 279.078	42652.8b	ppb	638.517	1.5	116210
Mn 257.610	31.4863b	ppb	0.3712	1.2	6532.69
Mo 202.032	0.0833b	ppb	0.0478	57.4	6.8793
Na 330.237	479467xb	ppb	7462.98	1.6	21535.6
Ni 231.604	1.2176b	ppb	0.7233	59.4	-1.6724
Pb 220.353	1.4856b	ppb	0.8373	56.4	11.9555
Sb 206.834	4.4434b	ppb	2.2512	50.7	0.7474
Se 196.026	8.1919b	ppb	4.6157	56.3	4.6484
Sn 189.925	1.0242b	ppb	1.2214	119.3	-4.8242
Sr 216.596	332.087b	ppb	5.5282	1.7	4129.60
Ti 334.941	-0.1756b	ppb	0.0325	18.5	-43.5213
Tl 190.794	-1.5106b	ppb	1.0886	72.1	-9.6050
V 292.401	0.0809b	ppb	0.1433	177.2	-11.5551
Zn 206.200	3.1017b	ppb	0.7056	22.7	3.5670

640-49453-p-3-aSD (Samp) **10/17/2014, 11:16:23 PM** **Rack 3, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	112.239	111.908	112.095
Al 308.215	1134.49	1126.96	1132.48
As 188.980	108.789	101.076	107.166
B 249.678	2621.59	2620.49	2633.23
Ba 389.178	660.335	658.762	658.015
Be 313.042	97.8084	97.3103	97.5500
Ca 370.602	137383	137563	138419
Cd 226.502	96.4379	95.9690	96.6570
Co 228.615	92.4468	91.7466	92.8150
Cr 267.716	94.9324	94.1826	95.0017

Label	Replicates Concentration		
Cu 324.754	107.810	107.083	107.149
Fe 271.441	17626.9	17547.5	17572.8
K 766.491	128825x	128034x	127983x
Mg 279.078	216925	216570	217008
Mn 257.610	1085.07	1084.23	1091.68
Mo 202.032	94.6347	94.6208	94.4038
Na 330.237	2739292x	2718713x	2721647x
Ni 231.604	96.1427	96.2144	97.3348
Pb 220.353	95.3682	97.5413	95.9694
Sb 206.834	108.054	106.133	108.380
Se 196.026	109.673	120.693	112.215
Sn 189.925	93.0305	94.6115	92.6188
Sr 216.596	1641.87	1639.86	1642.08
Ti 334.941	97.3425	96.9234	96.9645
Tl 190.794	11.0001	13.7424	13.8533
V 292.401	94.8058	94.4233	94.2953
Zn 206.200	103.689	104.423	106.244

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	112.081b	ppb	0.1659	0.1	9497.97
Al 308.215	1131.31b	ppb	3.9004	0.3	8231.69
As 188.980	105.677b	ppb	4.0662	3.8	65.7647
B 249.678	2625.10b	ppb	7.0608	0.3	43873.0
Ba 389.178	659.037b	ppb	1.1841	0.2	14413.1
Be 313.042	97.5562b	ppb	0.2491	0.3	176032
Ca 370.602	137788b	ppb	553.6	0.4	399521
Cd 226.502	96.3547b	ppb	0.3515	0.4	4124.31
Co 228.615	92.3361b	ppb	0.5427	0.6	1092.89
Cr 267.716	94.7056b	ppb	0.4542	0.5	5313.75
Cu 324.754	107.348b	ppb	0.4018	0.4	8208.83
Fe 271.441	17582.4b	ppb	40.5750	0.2	27729.6
K 766.491	128281xb	ppb	472.210	0.4	5746126
Mg 279.078	216835b	ppb	232.582	0.1	590663
Mn 257.610	1086.99b	ppb	4.0786	0.4	215396
Mo 202.032	94.5531b	ppb	0.1295	0.1	652.654
Na 330.237	2726551xb	ppb	11131.7	0.4	122340
Ni 231.604	96.5640b	ppb	0.6685	0.7	297.657
Pb 220.353	96.2929b	ppb	1.1221	1.2	162.575
Sb 206.834	107.522b	ppb	1.2139	1.1	147.997
Se 196.026	114.194b	ppb	5.7704	5.1	54.9521
Sn 189.925	93.4203b	ppb	1.0520	1.1	65.8550
Sr 216.596	1641.27b	ppb	1.2247	0.1	20394.2
Ti 334.941	97.0768b	ppb	0.2310	0.2	28443.3
Tl 190.794	12.8653b	ppb	1.6162	12.6	4.9943
V 292.401	94.5082b	ppb	0.2656	0.3	2428.23
Zn 206.200	104.785b	ppb	1.3153	1.3	114.252

640-49453-p-3-b PDS (Samp) **10/17/2014, 11:20:40 PM** **Rack 3, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	56.1898	56.3988	56.1809
Al 308.215	5698.61	5704.88	5709.93
As 188.980	110.344	104.695	108.724

Label	Replicates Concentration		
B 249.678	2618.42	2622.63	2631.91
Ba 389.178	688.537	686.496	689.082
Be 313.042	50.3552	50.2749	50.4559
Ca 370.602	134475	134217	134622
Cd 226.502	49.2520	48.8848	49.2354
Co 228.615	46.8487	46.2179	46.4007
Cr 267.716	94.8269	94.8435	94.5770
Cu 324.754	108.269	108.841	109.439
Fe 271.441	12838.8	12824.8	12845.7
K 766.491	120064x	120857x	120628x
Mg 279.078	208989	208190	208802
Mn 257.610	619.676	619.209	620.688
Mo 202.032	95.5039	94.5514	95.3056
Na 330.237	2685902x	2708083x	2678690x
Ni 231.604	93.9974	94.5557	92.5608
Pb 220.353	470.072	469.176	470.430
Sb 206.834	54.2373	61.0180	59.3434
Se 196.026	117.286	118.297	114.819
Sn 189.925	187.874	184.853	179.873
Sr 216.596	1653.05	1639.62	1646.15
Ti 334.941	97.5328	97.5827	97.7950
Tl 190.794	30.5828	26.5663	31.0669
V 292.401	94.5176	95.1505	95.4154
Zn 206.200	98.0776	102.690	103.373

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	56.2565b	ppb	0.1233	0.2	4732.29
Al 308.215	5704.47b	ppb	5.6732	0.1	38881.0
As 188.980	107.921b	ppb	2.9088	2.7	67.3553
B 249.678	2624.32b	ppb	6.9051	0.3	43870.2
Ba 389.178	688.038b	ppb	1.3631	0.2	15023.5
Be 313.042	50.3620b	ppb	0.0907	0.2	90635.2
Ca 370.602	134438b	ppb	205.2	0.2	389849
Cd 226.502	49.1241b	ppb	0.2074	0.4	2115.27
Co 228.615	46.4891b	ppb	0.3246	0.7	553.667
Cr 267.716	94.7491b	ppb	0.1493	0.2	5311.33
Cu 324.754	108.850b	ppb	0.5851	0.5	8318.08
Fe 271.441	12836.4b	ppb	10.6288	0.1	20246.7
K 766.491	120516xb	ppb	408.370	0.3	5398344
Mg 279.078	208660b	ppb	417.933	0.2	568405
Mn 257.610	619.858b	ppb	0.7558	0.1	123448
Mo 202.032	95.1203b	ppb	0.5025	0.5	656.762
Na 330.237	2690892xb	ppb	15318.8	0.6	120741
Ni 231.604	93.7047b	ppb	1.0292	1.1	288.422
Pb 220.353	469.893b	ppb	0.6456	0.1	751.152
Sb 206.834	58.1995b	ppb	3.5321	6.1	77.3718
Se 196.026	116.800b	ppb	1.7892	1.5	56.0183
Sn 189.925	184.200b	ppb	4.0404	2.2	134.612
Sr 216.596	1646.27b	ppb	6.7176	0.4	20448.9
Ti 334.941	97.6368b	ppb	0.1393	0.1	28593.8
Tl 190.794	29.4054b	ppb	2.4705	8.4	23.7402
V 292.401	95.0278b	ppb	0.4613	0.5	2440.11
Zn 206.200	101.380b	ppb	2.8804	2.8	110.733

640-49453-p-3-c msd (Samp) **10/17/2014, 11:24:57 PM** **Rack 3, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0655u	-0.3125u	-0.3582u
Al 308.215	9.0211	10.6725	9.9582
As 188.980	-5.8816u	-5.5037u	-1.6036u
B 249.678	2416.51	2417.80	2409.64
Ba 389.178	601.473	601.319	598.587
Be 313.042	0.0697u	0.0735u	0.0695u
Ca 370.602	131631	131689	131892
Cd 226.502	0.1675	0.3214	0.2500
Co 228.615	0.0889	1.1848	0.5877
Cr 267.716	-0.6805	-0.8573	-0.9557
Cu 324.754	0.8806	0.8718	0.8424
Fe 271.441	8132.72	8097.04	8081.76
K 766.491	111791x	111316x	110805x
Mg 279.078	203840	203369	202915
Mn 257.610	153.432	153.568	153.869
Mo 202.032	0.1042	0.6298	0.0742
Na 330.237	2684323x	2650781x	2655480x
Ni 231.604	1.3743	3.0956	3.5027
Pb 220.353	0.8060	0.1872	1.9977
Sb 206.834	5.0694	3.1310	0.6895
Se 196.026	0.5009	11.8541	3.7441
Sn 189.925	-1.1866u	-4.7056u	2.4681
Sr 216.596	1573.88	1569.83	1565.14
Ti 334.941	-0.3732	-0.3085	-0.3022
Tl 190.794	-2.2641u	-2.9465u	-5.1839u
V 292.401	1.0034	1.0457	0.6118
Zn 206.200	8.8619	7.8124	6.3438

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2454b	ppb	0.1575	64.2	-89.0187
Al 308.215	9.8839b	ppb	0.8282	8.4	683.360
As 188.980	-4.3296b	ppb	2.3683	54.7	-8.1931
B 249.678	2414.65b	ppb	4.3878	0.2	40376.4
Ba 389.178	600.460b	ppb	1.6236	0.3	13128.0
Be 313.042	0.0709b	ppb	0.0023	3.2	-356.892
Ca 370.602	131737b	ppb	136.9	0.1	382016
Cd 226.502	0.2463b	ppb	0.0770	31.3	36.9343
Co 228.615	0.6204b	ppb	0.5487	88.4	14.7521
Cr 267.716	-0.8312b	ppb	0.1394	16.8	44.9691
Cu 324.754	0.8649b	ppb	0.0200	2.3	310.825
Fe 271.441	8103.84b	ppb	26.1505	0.3	12783.7
K 766.491	111304xb	ppb	492.971	0.4	4985726
Mg 279.078	203374b	ppb	462.487	0.2	554018
Mn 257.610	153.623b	ppb	0.2232	0.1	31699.0
Mo 202.032	0.2694b	ppb	0.3125	116.0	7.8529
Na 330.237	2663528xb	ppb	18161.7	0.7	119517
Ni 231.604	2.6575b	ppb	1.1298	42.5	3.3759
Pb 220.353	0.9970b	ppb	0.9202	92.3	11.6354
Sb 206.834	2.9633b	ppb	2.1948	74.1	-1.1643
Se 196.026	5.3664b	ppb	5.8479	109.0	3.4091
Sn 189.925	-1.1414b	ppb	3.5871	314.3	-5.7961
Sr 216.596	1569.62b	ppb	4.3714	0.3	19497.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	-0.3280b	ppb	0.0393	12.0	33.7203
Tl 190.794	-3.4648b	ppb	1.5274	44.1	-12.5896
V 292.401	0.8870b	ppb	0.2392	27.0	-1.9475
Zn 206.200	7.6727b	ppb	1.2649	16.5	8.2941

640-49453-p-4-a (Samp) **10/17/2014, 11:29:14 PM** **Rack 3, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	50.5510	50.5786	50.7717
Al 308.215	37369.4	37352.3	37492.1
As 188.980	208.796	218.767	204.421
B 249.678	1743.11	1745.46	1753.23
Ba 389.178	2187.77	2197.25	2207.49
Be 313.042	47.0871	47.3587	47.6678
Ca 370.602	278954	276452	279480
Cd 226.502	44.7170	44.5968	45.0449
Co 228.615	62.3272	62.5399	63.0683
Cr 267.716	137.780	138.135	139.221
Cu 324.754	156.934	157.003	156.894
Fe 271.441	103599	104192	104600
K 766.491	59223.2x	58926.4x	59221.7x
Mg 279.078	122566	122858	123366
Mn 257.610	2827.99	2842.57	2850.30
Mo 202.032	84.8258	84.5849	83.9386
Na 330.237	1980258x	1978163x	1979199x
Ni 231.604	143.430	144.575	144.317
Pb 220.353	456.217	456.565	462.847
Sb 206.834	42.5232	42.9035	44.6245
Se 196.026	100.638	105.270	102.255
Sn 189.925	168.965	177.661	179.908
Sr 216.596	2289.21	2305.17	2313.79
Ti 334.941	601.422	601.992	606.356
Tl 190.794	21.1816	25.7229	24.6474
V 292.401	157.877	157.550	158.620
Zn 206.200	764.961	770.505	777.724

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.6337b	ppb	0.1203	0.2	4226.46
Al 308.215	37404.6b	ppb	76.2335	0.2	251549
As 188.980	210.661b	ppb	7.3527	3.5	136.240
B 249.678	1747.27b	ppb	5.2968	0.3	29000.6
Ba 389.178	2197.50b	ppb	9.8622	0.4	47448.5
Be 313.042	47.3712b	ppb	0.2905	0.6	85361.4
Ca 370.602	278295b	ppb	1618	0.6	806263
Cd 226.502	44.7862b	ppb	0.2319	0.5	2273.37
Co 228.615	62.6451b	ppb	0.3816	0.6	761.441
Cr 267.716	138.378b	ppb	0.7505	0.5	7756.42
Cu 324.754	156.944b	ppb	0.0548	0.0	11920.8
Fe 271.441	104130b	ppb	503.423	0.5	164083
K 766.491	59123.8xb	ppb	170.965	0.3	2648485
Mg 279.078	122930b	ppb	404.694	0.3	334812
Mn 257.610	2840.29b	ppb	11.3292	0.4	559814
Mo 202.032	84.4498b	ppb	0.4588	0.5	579.332

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1979207xb	ppb	1047.58	0.1	88776.2
Ni 231.604	144.107b	ppb	0.6008	0.4	453.912
Pb 220.353	458.543b	ppb	3.7312	0.8	739.180
Sb 206.834	43.3504b	ppb	1.1197	2.6	59.8556
Se 196.026	102.721b	ppb	2.3510	2.3	50.7903
Sn 189.925	175.512b	ppb	5.7795	3.3	127.811
Sr 216.596	2302.72b	ppb	12.4705	0.5	28742.9
Ti 334.941	603.257b	ppb	2.6990	0.4	175873
Tl 190.794	23.8506b	ppb	2.3732	10.0	6.3786
V 292.401	158.016b	ppb	0.5487	0.3	4129.77
Zn 206.200	771.064b	ppb	6.3998	0.8	842.203

680-106253-b-1-a (Samp) **10/17/2014, 11:33:32 PM** **Rack 3, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	-0.2285u	-0.2411u	-0.1062u
Al 308.215	809.554	808.261	805.851
As 188.980	-7.6682u	-2.8248u	1.0863
B 249.678	122.389	119.606	115.941
Ba 389.178	50.7824	50.9138	51.2648
Be 313.042	3.4335	3.4314	3.4096
Ca 370.602	15729	15806	15731
Cd 226.502	-0.0552	-0.0331	-0.0090
Co 228.615	6.7809	6.6301	7.2717
Cr 267.716	0.7207	0.5750	0.6736
Cu 324.754	1.2002	1.3623	1.5306
Fe 271.441	806.887	803.885	804.787
K 766.491	4322.29	4327.62	4319.85
Mg 279.078	7381.18	7399.60	7354.16
Mn 257.610	69.0006	69.3675	68.9592
Mo 202.032	0.3432	0.4546	0.0643
Na 330.237	11455.8	11558.1	11384.1
Ni 231.604	9.4461	7.3179	8.6311
Pb 220.353	0.4024	0.7206	0.3365
Sb 206.834	1.8205	3.8791	2.5503
Se 196.026	0.6978	-0.5403u	8.0358
Sn 189.925	1.1634	-3.4212u	0.3748
Sr 216.596	168.058	169.708	168.238
Ti 334.941	4.0872	4.0683	3.8430
Tl 190.794	0.6585	-0.2005u	0.3065
V 292.401	0.6679	0.5225	0.4504
Zn 206.200	25.0703	26.9959	25.6494

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1919	ppb	0.0745	38.8	-29.2333
Al 308.215	807.888	ppb	1.8792	0.2	6020.46
As 188.980	-3.1356	ppb	4.3855	139.9	-7.3325
B 249.678	119.312	ppb	3.2339	2.7	2033.75
Ba 389.178	50.9870	ppb	0.2494	0.5	1027.51
Be 313.042	3.4248	ppb	0.0132	0.4	5961.67
Ca 370.602	15756	ppb	44.04	0.3	45712
Cd 226.502	-0.0324	ppb	0.0231	71.3	11.1765
Co 228.615	6.8942	ppb	0.3355	4.9	87.9879

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.6565	ppb	0.0744	11.3	71.5180
Cu 324.754	1.3644	ppb	0.1652	12.1	344.637
Fe 271.441	805.186	ppb	1.5400	0.2	1285.48
K 766.491	4323.26	ppb	3.9733	0.1	193888
Mg 279.078	7378.31	ppb	22.8558	0.3	20120.4
Mn 257.610	69.1091	ppb	0.2247	0.3	13683.2
Mo 202.032	0.2873	ppb	0.2010	70.0	8.3216
Na 330.237	11466.0	ppb	87.4357	0.8	539.412
Ni 231.604	8.4650	ppb	1.0738	12.7	20.8919
Pb 220.353	0.4865	ppb	0.2054	42.2	10.3074
Sb 206.834	2.7500	ppb	1.0437	38.0	-1.6934
Se 196.026	2.7311	ppb	4.6355	169.7	2.0782
Sn 189.925	-0.6277	ppb	2.4512	390.5	-6.2206
Sr 216.596	168.668	ppb	0.9052	0.5	2101.21
Ti 334.941	3.9995	ppb	0.1359	3.4	1146.49
Tl 190.794	0.2548	ppb	0.4318	169.4	-7.4524
V 292.401	0.5469	ppb	0.1108	20.3	3.2356
Zn 206.200	25.9052	ppb	0.9880	3.8	28.6677

680-106253-b-2-a (Samp) **10/17/2014, 11:37:49 PM** **Rack 3, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	-0.3163u	-0.3293u	-0.3821u
Al 308.215	424.861	426.455	425.303
As 188.980	15.5604	16.5693	21.5449
B 249.678	59.9457	58.9249	58.2472
Ba 389.178	133.458	133.685	134.038
Be 313.042	4.3616	4.3843	4.3799
Ca 370.602	13180	13249	13170
Cd 226.502	-0.6783u	-0.6305u	-0.6262u
Co 228.615	9.4760	8.6968	8.9126
Cr 267.716	6.2554	6.4407	6.3456
Cu 324.754	2.0802	2.0628	1.8351
Fe 271.441	6030.31	6068.89	6048.14
K 766.491	6045.52	6062.53	6051.27
Mg 279.078	7010.02	7029.48	7010.83
Mn 257.610	30.4617	30.5209	30.3123
Mo 202.032	0.9608	1.3586	0.6532
Na 330.237	65092.3	65306.5	65150.4
Ni 231.604	16.6950	16.8398	15.7424
Pb 220.353	4.4154	3.8511	3.3234
Sb 206.834	-2.5943u	-1.2445u	-1.0892u
Se 196.026	1.2646	-0.2689u	8.6476
Sn 189.925	-1.8497u	-1.4384u	1.0388
Sr 216.596	203.987	205.183	204.198
Ti 334.941	3.8406	3.8343	4.1814
Tl 190.794	-1.5662u	-1.0878u	-2.9803u
V 292.401	7.7481	7.7738	8.0425
Zn 206.200	51.3566	50.7953	51.6579

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3426	ppb	0.0349	10.2	-44.4480
Al 308.215	425.540	ppb	0.8232	0.2	3466.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	17.8916	ppb	3.2039	17.9	6.7802
B 249.678	59.0393	ppb	0.8550	1.4	1014.26
Ba 389.178	133.727	ppb	0.2924	0.2	2810.92
Be 313.042	4.3753	ppb	0.0120	0.3	7674.85
Ca 370.602	13199	ppb	42.88	0.3	38232
Cd 226.502	-0.6450	ppb	0.0289	4.5	4.4182
Co 228.615	9.0285	ppb	0.4023	4.5	113.428
Cr 267.716	6.3473	ppb	0.0927	1.5	388.152
Cu 324.754	1.9927	ppb	0.1367	6.9	393.418
Fe 271.441	6049.11	ppb	19.3103	0.3	9547.63
K 766.491	6053.11	ppb	8.6523	0.1	271371
Mg 279.078	7016.78	ppb	11.0061	0.2	19136.6
Mn 257.610	30.4317	ppb	0.1075	0.4	6087.46
Mo 202.032	0.9909	ppb	0.3537	35.7	12.8812
Na 330.237	65183.1	ppb	110.783	0.2	2947.53
Ni 231.604	16.4257	ppb	0.5962	3.6	46.2358
Pb 220.353	3.8633	ppb	0.5461	14.1	15.9822
Sb 206.834	-1.6427	ppb	0.8278	50.4	-7.7391
Se 196.026	3.2144	ppb	4.7674	148.3	2.3447
Sn 189.925	-0.7498	ppb	1.5625	208.4	-6.2964
Sr 216.596	204.456	ppb	0.6387	0.3	2549.21
Ti 334.941	3.9521	ppb	0.1986	5.0	1128.46
Tl 190.794	-1.8781	ppb	0.9841	52.4	-10.5646
V 292.401	7.8548	ppb	0.1631	2.1	195.241
Zn 206.200	51.2699	ppb	0.4378	0.9	56.2763

680-106253-b-3-a (Samp) **10/17/2014, 11:42:07 PM** **Rack 3, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.1101u	-1.0290u	-1.1595u
Al 308.215	543.615	542.370	543.624
As 188.980	36.0747	36.5526	37.3844
B 249.678	407.830	410.331	408.819
Ba 389.178	51.0735	50.6612	51.4596
Be 313.042	0.3492	0.3448	0.3443
Ca 370.602	8450	8480	8458
Cd 226.502	-0.5873	-0.5770	-0.6577
Co 228.615	2.8082	2.3768	2.5071
Cr 267.716	10.4812	10.7080	10.5819
Cu 324.754	0.8954	0.9019	0.8645
Fe 271.441	21273.8	21302.8	21189.6
K 766.491	25932.5	25986.0	25939.5
Mg 279.078	4542.79	4543.00	4512.34
Mn 257.610	128.414	128.904	128.697
Mo 202.032	0.0406u	1.0058	0.8915
Na 330.237	33546.0	33474.0	33239.9
Ni 231.604	7.8306	6.7755	9.7609
Pb 220.353	2.0977	2.1683	1.6867
Sb 206.834	0.9176	2.3169	-1.9718u
Se 196.026	7.5441	3.2337	1.3649
Sn 189.925	1.0628	1.9922	1.0819
Sr 216.596	68.2710	68.8727	68.8888
Ti 334.941	6.1577	6.2664	6.8767

Label	Replicates Concentration		
Tl 190.794	4.6775	-1.9779u	1.6631u
V 292.401	25.1756	24.9987	24.9510
Zn 206.200	7.4414	6.5880	5.7754

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0995	ppb	0.0659	6.0	-106.171
Al 308.215	543.203	ppb	0.7217	0.1	4283.35
As 188.980	36.6706	ppb	0.6628	1.8	19.3193
B 249.678	408.993	ppb	1.2595	0.3	6827.35
Ba 389.178	51.0648	ppb	0.3993	0.8	1036.21
Be 313.042	0.3461	ppb	0.0027	0.8	385.190
Ca 370.602	8463	ppb	15.51	0.2	24311
Cd 226.502	-0.6073	ppb	0.0439	7.2	62.4868
Co 228.615	2.5640	ppb	0.2213	8.6	38.6051
Cr 267.716	10.5904	ppb	0.1136	1.1	628.880
Cu 324.754	0.8873	ppb	0.0200	2.3	317.876
Fe 271.441	21255.4	ppb	58.8069	0.3	33504.5
K 766.491	25952.7	ppb	29.1114	0.1	1162703
Mg 279.078	4532.71	ppb	17.6390	0.4	12367.7
Mn 257.610	128.672	ppb	0.2463	0.2	25433.3
Mo 202.032	0.6460	ppb	0.5274	81.6	9.7810
Na 330.237	33420.0	ppb	160.024	0.5	1520.23
Ni 231.604	8.1224	ppb	1.5139	18.6	21.5977
Pb 220.353	1.9842	ppb	0.2601	13.1	14.0619
Sb 206.834	0.4209	ppb	2.1871	519.6	-4.2444
Se 196.026	4.0476	ppb	3.1690	78.3	2.9027
Sn 189.925	1.3789	ppb	0.5311	38.5	-4.6938
Sr 216.596	68.6775	ppb	0.3521	0.5	885.626
Ti 334.941	6.4336	ppb	0.3876	6.0	1851.53
Tl 190.794	1.4542	ppb	3.3326	229.2	-8.8695
V 292.401	25.0417	ppb	0.1183	0.5	649.764
Zn 206.200	6.6016	ppb	0.8331	12.6	6.4700

Cont Calib Verif (CCV) **10/17/2014, 11:46:24 PM** **Rack 3, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	484.944	488.320	486.632
Al 308.215	4791.59	4800.00	4774.07
As 188.980	458.332	457.995	458.582
B 249.678	487.745	490.183	487.318
Ba 389.178	4951.74	4958.05	4939.08
Be 313.042	487.033	488.121	484.587
Ca 370.602	4589	4607	4576
Cd 226.502	501.085	501.266	497.748
Co 228.615	481.900	481.465	478.037
Cr 267.716	4831.84	4843.49	4818.99
Cu 324.754	4824.61	4891.64	4936.32
Fe 271.441	4806.91	4820.24	4792.31
K 766.491	9983.79	9991.39	9966.34
Mg 279.078	4777.73	4787.79	4753.92
Mn 257.610	4689.55	4695.43	4686.78
Mo 202.032	481.699	481.250	478.897
Na 330.237	7693.44	7695.36	7625.51

Label	Replicates Concentration		
Ni 231.604	2471.70	2480.35	2460.45
Pb 220.353	497.400	495.223	493.989
Sb 206.834	929.438	936.123	928.541
Se 196.026	4760.17	4761.04	4744.41
Sn 189.925	4859.20	4832.42	4756.42
Sr 216.596	2459.77	2459.15	2446.59
Ti 334.941	486.174	487.098	485.702
Tl 190.794	4869.87	4868.89	4846.38
V 292.401	4673.69	4686.06	4665.53
Zn 206.200	2414.44	2416.91	2395.33

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	486.632	ppb	1.6880	0.3	41471.1	97.32644
Al 308.215	4788.55	ppb	13.2298	0.3	33219.9	95.77102
As 188.980	458.303	ppb	0.2942	0.1	303.098	91.66057
B 249.678	488.415	ppb	1.5456	0.3	8206.80	97.68306
Ba 389.178	4949.62	ppb	9.6625	0.2	106489	98.99248
Be 313.042	486.580	ppb	1.8097	0.4	880440	97.31603
Ca 370.602	4591	ppb	15.53	0.3	13669	91.82048
Cd 226.502	500.033	ppb	1.9811	0.4	21111.6	100.00659
Co 228.615	480.467	ppb	2.1159	0.4	5658.91	96.09346
Cr 267.716	4831.44	ppb	12.2517	0.3	266005	96.62878
Cu 324.754	4884.19	ppb	56.2252	1.2	362157	97.68381
Fe 271.441	4806.49	ppb	13.9713	0.3	7697.70	96.12974
K 766.491	9980.51	ppb	12.8450	0.1	447285	99.80508
Mg 279.078	4773.15	ppb	17.3919	0.4	12921.0	95.46296
Mn 257.610	4690.59	ppb	4.4143	0.1	922635	93.81174
Mo 202.032	480.616	ppb	1.5053	0.3	3290.57	96.12311
Na 330.237	7671.44	ppb	39.7851	0.5	311.612	102.28583
Ni 231.604	2470.83	ppb	9.9789	0.4	7721.13	98.83338
Pb 220.353	495.537	ppb	1.7270	0.3	795.073	99.10744
Sb 206.834	931.367	ppb	4.1430	0.4	1374.57	93.13671
Se 196.026	4755.21	ppb	9.3607	0.2	2240.17	95.10420
Sn 189.925	4816.01	ppb	53.3151	1.1	3642.43	96.32028
Sr 216.596	2455.17	ppb	7.4342	0.3	30324.3	98.20676
Ti 334.941	486.325	ppb	0.7103	0.1	141719	97.26497
Tl 190.794	4861.71	ppb	13.2874	0.3	5439.11	97.23428
V 292.401	4675.10	ppb	10.3377	0.2	121816	93.50195
Zn 206.200	2408.90	ppb	11.8135	0.5	2631.30	96.35583

Cont Calib Blank (CCB) **10/17/2014, 11:50:41 PM** **Rack 3, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	0.2226	0.0591	0.0904
Al 308.215	-7.4970u	-9.1486u	-5.6396u
As 188.980	-0.7997u	1.6160	-2.7793u
B 249.678	13.4706	11.8424	11.7369
Ba 389.178	0.7319	0.5127	0.4425
Be 313.042	0.0255	0.0186	0.0120
Ca 370.602	6.175	0.3252	3.652
Cd 226.502	0.2858	0.2026	0.3087
Co 228.615	-0.1754u	0.0217	-0.2317u
Cr 267.716	0.6986	0.6277	0.5855

Label	Replicates Concentration		
Cu 324.754	0.7339	0.6637	0.6063
Fe 271.441	2.5372	3.7857	-4.7094u
K 766.491	4.0200	3.0533	2.1289
Mg 279.078	1.3072	-0.9485u	0.1027
Mn 257.610	0.7417	0.7416	0.6064
Mo 202.032	1.1883	1.2888	0.8649
Na 330.237	-34.9001u	327.892	103.314
Ni 231.604	-0.9527u	-0.0910u	0.1714
Pb 220.353	-0.7339u	0.7476	1.6332
Sb 206.834	5.2314	3.8625	5.2718
Se 196.026	-2.1101u	-3.7808u	3.0113
Sn 189.925	1.1926	0.6744	2.1120
Sr 216.596	0.4598	0.6352	0.2502
Ti 334.941	0.0814	0.1072	0.1130
Tl 190.794	2.8859	0.6159	3.0032
V 292.401	0.7075	0.5484	0.3881
Zn 206.200	0.5117	1.9806	0.8073

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1240	ppb	0.0868	70.0	3.7356	0.12402
Al 308.215	-7.4284	ppb	1.7555	23.6	553.531	-7.42842
As 188.980	-0.6543	ppb	2.2013	336.4	-5.6661	-0.65430
B 249.678	12.3500	ppb	0.9720	7.9	248.122	12.34997
Ba 389.178	0.5624	ppb	0.1509	26.8	-68.4882	0.56237
Be 313.042	0.0187	ppb	0.0067	36.0	-206.254	0.01867
Ca 370.602	3.384	ppb	2.934	86.7	30.23	3.38417
Cd 226.502	0.2657	ppb	0.0558	21.0	20.7177	0.26570
Co 228.615	-0.1284	ppb	0.1331	103.6	5.2840	-0.12844
Cr 267.716	0.6373	ppb	0.0572	9.0	69.4656	0.63727
Cu 324.754	0.6680	ppb	0.0639	9.6	292.711	0.66797
Fe 271.441	0.5378	ppb	4.5870	852.9	16.8825	0.53783
K 766.491	3.0674	ppb	0.9457	30.8	380.524	3.06741
Mg 279.078	0.1538	ppb	1.1287	733.8	23.8980	0.15381
Mn 257.610	0.6966	ppb	0.0781	11.2	173.264	0.69656
Mo 202.032	1.1140	ppb	0.2215	19.9	14.0186	1.11402
Na 330.237	132.102	ppb	183.101	138.6	31.6767	132.10194
Ni 231.604	-0.2908	ppb	0.5880	202.2	-6.5441	-0.29078
Pb 220.353	0.5490	ppb	1.1960	217.9	10.3517	0.54897
Sb 206.834	4.7886	ppb	0.8023	16.8	1.1730	4.78856
Se 196.026	-0.9599	ppb	3.5391	368.7	0.3163	-0.95990
Sn 189.925	1.3263	ppb	0.7281	54.9	-4.7439	1.32635
Sr 216.596	0.4484	ppb	0.1928	43.0	11.9118	0.44839
Ti 334.941	0.1005	ppb	0.0168	16.7	-2.3864	0.10051
Tl 190.794	2.1684	ppb	1.3457	62.1	-5.2655	2.16835
V 292.401	0.5480	ppb	0.1597	29.1	2.7845	0.54801
Zn 206.200	1.0999	ppb	0.7769	70.6	1.4484	1.09986

CRI (Samp) **10/17/2014, 11:54:59 PM** **Rack 3, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	10.3698	10.4791	10.6498
Al 308.215	201.573	203.526	200.444
As 188.980	19.2007	20.4446	18.3730

Label	Replicates Concentration		
B 249.678	108.920	110.021	108.863
Ba 389.178	10.8667	12.1771	10.8713
Be 313.042	4.2135	4.2267	4.1916
Ca 370.602	500.8	499.7	496.6
Cd 226.502	5.5311	5.3791	5.4478
Co 228.615	10.1567	10.3713	10.6669
Cr 267.716	10.4162	10.5790	10.4726
Cu 324.754	22.0494	21.8385	21.6530
Fe 271.441	51.7322	54.6428	53.2483
K 766.491	1081.61	1083.99	1077.22
Mg 279.078	516.392	518.261	512.017
Mn 257.610	10.7387	10.7087	10.5867
Mo 202.032	10.4086	10.3774	10.3076
Na 330.237	1124.27	1131.59	1064.22
Ni 231.604	41.8795	41.7337	42.3797
Pb 220.353	11.5475	9.9869	10.5269
Sb 206.834	25.0567	20.2783	20.5609
Se 196.026	20.1371	20.5897	19.5829
Sn 189.925	53.1182	56.0741	49.2816
Sr 216.596	10.6553	10.2953	10.3383
Ti 334.941	10.5749	10.6196	10.5259
Tl 190.794	24.6934	25.1755	26.7694
V 292.401	9.9125	9.9336	10.1832
Zn 206.200	22.8088	22.5827	21.7897

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.4996	ppb	0.1411	1.3	888.914
Al 308.215	201.847	ppb	1.5594	0.8	1957.99
As 188.980	19.3394	ppb	1.0427	5.4	7.7892
B 249.678	109.268	ppb	0.6528	0.6	1867.93
Ba 389.178	11.3050	ppb	0.7552	6.7	163.558
Be 313.042	4.2106	ppb	0.0178	0.4	7378.41
Ca 370.602	499.0	ppb	2.199	0.4	1472
Cd 226.502	5.4527	ppb	0.0761	1.4	239.628
Co 228.615	10.3983	ppb	0.2562	2.5	128.954
Cr 267.716	10.4892	ppb	0.0827	0.8	611.838
Cu 324.754	21.8470	ppb	0.1983	0.9	1862.53
Fe 271.441	53.2078	ppb	1.4557	2.7	101.267
K 766.491	1080.94	ppb	3.4331	0.3	48660.1
Mg 279.078	515.557	ppb	3.2046	0.6	1427.57
Mn 257.610	10.6780	ppb	0.0805	0.8	2140.19
Mo 202.032	10.3645	ppb	0.0517	0.5	77.3236
Na 330.237	1106.69	ppb	36.9637	3.3	74.8979
Ni 231.604	41.9976	ppb	0.3388	0.8	125.691
Pb 220.353	10.6871	ppb	0.7925	7.4	26.3256
Sb 206.834	21.9653	ppb	2.6810	12.2	25.6670
Se 196.026	20.1032	ppb	0.5042	2.5	10.2333
Sn 189.925	52.8246	ppb	3.4058	6.4	34.2668
Sr 216.596	10.4296	ppb	0.1966	1.9	134.419
Ti 334.941	10.5735	ppb	0.0469	0.4	3050.87
Tl 190.794	25.5461	ppb	1.0865	4.3	20.8931
V 292.401	10.0098	ppb	0.1506	1.5	248.148
Zn 206.200	22.3938	ppb	0.5352	2.4	24.8127

mb 680-353312/1-a (Samp) **10/17/2014, 11:59:16 PM** **Rack 3, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1202	-0.1767u	0.0339
Al 308.215	33.1542	33.7346	34.2253
As 188.980	-2.6003u	-4.8436u	-1.6764u
B 249.678	6.3101	5.4862	5.0681
Ba 389.178	0.2942	-1.0804u	-0.3169u
Be 313.042	-0.0317u	-0.0248u	-0.0240u
Ca 370.602	12.02	13.07	16.43
Cd 226.502	0.0355	0.0419	0.1234
Co 228.615	-0.0399u	-0.1373u	-0.2810u
Cr 267.716	0.6026	0.5437	0.6650
Cu 324.754	0.4476	0.2088	0.0338
Fe 271.441	13.4674	14.7374	16.1047
K 766.491	10.2452	9.3242	9.9291
Mg 279.078	3.1844	2.8932	3.6216
Mn 257.610	0.1761	0.1726	0.1255
Mo 202.032	0.0165	-0.0907u	-0.0743u
Na 330.237	114.304	80.4606	64.0105
Ni 231.604	-0.0741u	1.1496	0.9078
Pb 220.353	0.0403	-1.3070u	0.0622
Sb 206.834	-0.9788u	0.6318	4.3359
Se 196.026	2.5089	0.7269	-2.8909u
Sn 189.925	6.9459	10.3047	7.6860
Sr 216.596	-0.2154u	-0.4326u	0.1952
Ti 334.941	0.2509	0.2381	0.3109
Tl 190.794	2.3056	0.2572	-1.2968u
V 292.401	-0.0619u	-0.1711u	0.0287
Zn 206.200	3.4418	4.6538	1.9170

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0075	ppb	0.1527	2029.2	-7.4712
Al 308.215	33.7047	ppb	0.5362	1.6	829.177
As 188.980	-3.0401	ppb	1.6287	53.6	-7.2712
B 249.678	5.6215	ppb	0.6320	11.2	135.600
Ba 389.178	-0.3677	ppb	0.6887	187.3	-88.5052
Be 313.042	-0.0268	ppb	0.0042	15.8	-288.470
Ca 370.602	13.84	ppb	2.300	16.6	60.42
Cd 226.502	0.0669	ppb	0.0490	73.3	12.3912
Co 228.615	-0.1527	ppb	0.1212	79.4	5.0294
Cr 267.716	0.6038	ppb	0.0607	10.1	67.6341
Cu 324.754	0.2301	ppb	0.2077	90.3	260.226
Fe 271.441	14.7698	ppb	1.3190	8.9	39.3171
K 766.491	9.8328	ppb	0.4680	4.8	683.557
Mg 279.078	3.2330	ppb	0.3666	11.3	32.2819
Mn 257.610	0.1580	ppb	0.0282	17.9	67.4027
Mo 202.032	-0.0495	ppb	0.0577	116.6	6.0543
Na 330.237	86.2585	ppb	25.6434	29.7	29.5796
Ni 231.604	0.6611	ppb	0.6481	98.0	-3.5661
Pb 220.353	-0.4015	ppb	0.7843	195.3	8.8547
Sb 206.834	1.3297	ppb	2.7252	205.0	-3.7445
Se 196.026	0.1150	ppb	2.7514	2392.6	0.8222
Sn 189.925	8.3122	ppb	1.7648	21.2	0.5479
Sr 216.596	-0.1509	ppb	0.3188	211.3	4.5086

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.2666	ppb	0.0388	14.6	46.0386
Tl 190.794	0.4220	ppb	1.8069	428.2	-7.2174
V 292.401	-0.0681	ppb	0.1000	146.9	-13.1185
Zn 206.200	3.3375	ppb	1.3714	41.1	3.9068

lcs 680-353312/2-a (Samp) **10/18/2014, 12:03:33 AM** **Rack 3, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	49.5725	49.7315	49.8450
Al 308.215	4839.14	4868.44	4857.49
As 188.980	93.5962	99.6512	97.2916
B 249.678	189.919	191.540	192.057
Ba 389.178	101.173	101.934	101.890
Be 313.042	50.1478	50.5488	50.4856
Ca 370.602	4726	4767	4777
Cd 226.502	51.2909	51.4259	51.3122
Co 228.615	49.3898	50.0860	49.7536
Cr 267.716	100.329	101.075	101.022
Cu 324.754	100.411	101.183	101.956
Fe 271.441	4923.79	4953.03	4969.04
K 766.491	5029.73	5081.13	5056.78
Mg 279.078	4811.14	4844.36	4836.26
Mn 257.610	495.673	499.601	499.169
Mo 202.032	98.2895	99.4903	99.0535
Na 330.237	4908.65	4867.55	5017.41
Ni 231.604	98.7905	100.060	100.016
Pb 220.353	498.201	506.433	503.638
Sb 206.834	53.7658	50.9245	54.1344
Se 196.026	104.586	93.7164	97.9126
Sn 189.925	205.390	204.622	205.532
Sr 216.596	98.4683	99.6700	98.6809
Ti 334.941	100.400	101.979	101.876
Tl 190.794	39.0301	40.7133	39.0248
V 292.401	96.1095	97.1259	96.8868
Zn 206.200	101.623	101.815	102.154

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.7164	ppb	0.1369	0.3	4234.51
Al 308.215	4855.02	ppb	14.8067	0.3	33173.5
As 188.980	96.8463	ppb	3.0520	3.2	59.9440
B 249.678	191.172	ppb	1.1158	0.6	3225.77
Ba 389.178	101.665	ppb	0.4273	0.4	2117.79
Be 313.042	50.3941	ppb	0.2156	0.4	90942.0
Ca 370.602	4757	ppb	27.12	0.6	13816
Cd 226.502	51.3430	ppb	0.0726	0.1	2192.75
Co 228.615	49.7432	ppb	0.3482	0.7	591.252
Cr 267.716	100.809	ppb	0.4163	0.4	5588.25
Cu 324.754	101.183	ppb	0.7728	0.8	7746.58
Fe 271.441	4948.62	ppb	22.9426	0.5	7819.82
K 766.491	5055.88	ppb	25.7146	0.5	226704
Mg 279.078	4830.59	ppb	17.3241	0.4	13169.5
Mn 257.610	498.148	ppb	2.1540	0.4	98060.1
Mo 202.032	98.9444	ppb	0.6078	0.6	683.309

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	4931.20	ppb	77.4311	1.6	243.347
Ni 231.604	99.6218	ppb	0.7203	0.7	306.237
Pb 220.353	502.757	ppb	4.1862	0.8	802.420
Sb 206.834	52.9416	ppb	1.7565	3.3	69.6074
Se 196.026	98.7382	ppb	5.4815	5.6	47.4104
Sn 189.925	205.181	ppb	0.4894	0.2	149.679
Sr 216.596	98.9397	ppb	0.6413	0.6	1234.79
Ti 334.941	101.418	ppb	0.8837	0.9	29536.3
Tl 190.794	39.5894	ppb	0.9733	2.5	36.1462
V 292.401	96.7074	ppb	0.5314	0.5	2497.29
Zn 206.200	101.864	ppb	0.2691	0.3	111.618

680-106200-b-1-a (Samp) **10/18/2014, 12:07:50 AM** **Rack 3, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-0.7486	-1.1539	-1.1863
Al 308.215	108757	108654	108582
As 188.980	249.053	252.110	254.986
B 249.678	29.1555u	27.8448u	28.1723u
Ba 389.178	4571.02	4569.46	4559.02
Be 313.042	13.6829	13.7036	13.6831
Ca 370.602	58638	58979	58740
Cd 226.502	6.8563	6.2870	6.5254
Co 228.615	224.725	227.340	225.486
Cr 267.716	358.600	359.027	358.225
Cu 324.754	465.083	458.469	462.238
Fe 271.441	429806	429709	429842
K 766.491	7003.34	6992.60	6988.58
Mg 279.078	14407.4	14430.0	14370.2
Mn 257.610	43093.6x	43358.4x	43258.7x
Mo 202.032	30.9225	30.8000	29.9040
Na 330.237	796.228u	1077.46u	985.339u
Ni 231.604	126.479	128.157	123.501
Pb 220.353	1748.06	1752.09	1748.29
Sb 206.834	3.8601	-7.8904	-1.8468
Se 196.026	9.7360	4.8165	4.0285
Sn 189.925	105.164	114.077	104.302
Sr 216.596	412.691	413.770	413.407
Ti 334.941	1306.17	1306.95	1305.38
Tl 190.794	15.1954u	13.2345u	11.6549u
V 292.401	546.705	548.533	546.822
Zn 206.200	3552.65	3572.01	3548.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0296b	ppb	0.2439	23.7	49.1378
Al 308.215	108664b	ppb	87.9052	0.1	729837
As 188.980	252.050b	ppb	2.9668	1.2	162.714
B 249.678	28.3909b	ppb	0.6822	2.4	-480.493
Ba 389.178	4566.50b	ppb	6.5282	0.1	98468.8
Be 313.042	13.6899b	ppb	0.0119	0.1	24560.4
Ca 370.602	58785b	ppb	174.8	0.3	167007
Cd 226.502	6.5563b	ppb	0.2859	4.4	1873.98
Co 228.615	225.850b	ppb	1.3452	0.6	2719.78

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	358.617b	ppb	0.4015	0.1	20205.8
Cu 324.754	461.930b	ppb	3.3175	0.7	34657.1
Fe 271.441	429786b	ppb	68.4309	0.0	677177
K 766.491	6994.84b	ppb	7.6271	0.1	313553
Mg 279.078	14402.5b	ppb	30.2231	0.2	38293.7
Mn 257.610	43236.9xb	ppb	133.706	0.3	8505195
Mo 202.032	30.5422b	ppb	0.5561	1.8	194.542
Na 330.237	953.010b	ppb	143.378	15.0	-112.315
Ni 231.604	126.046b	ppb	2.3583	1.9	425.094
Pb 220.353	1749.48b	ppb	2.2620	0.1	2803.65
Sb 206.834	-1.9591b	ppb	5.8760	299.9	9.2513
Se 196.026	6.1937b	ppb	3.0929	49.9	18.1365
Sn 189.925	107.848b	ppb	5.4121	5.0	75.9462
Sr 216.596	413.289b	ppb	0.5488	0.1	5662.90
Ti 334.941	1306.17b	ppb	0.7851	0.1	380739
Tl 190.794	13.3616b	ppb	1.7736	13.3	-27.0894
V 292.401	547.353b	ppb	1.0231	0.2	14438.9
Zn 206.200	3557.58b	ppb	12.7077	0.4	3888.26

680-106200-b-1-aSD (Samp) **10/18/2014, 12:12:08 AM** **Rack 3, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	-0.1915	-0.7499u	-0.2819
Al 308.215	22319.8	21893.6	21593.5
As 188.980	44.1912	52.5758	40.0377
B 249.678	8.8384u	8.4109u	9.4990u
Ba 389.178	972.826	955.192	944.661
Be 313.042	2.8032	2.7638	2.7230
Ca 370.602	12190	12016	11853
Cd 226.502	1.2935	1.0693	1.1593
Co 228.615	47.9342	46.9914	45.6918
Cr 267.716	76.0157	74.4731	73.2052
Cu 324.754	93.5718	91.5600	89.9784
Fe 271.441	92585.5	91026.4	89845.6
K 766.491	1334.79	1321.09	1306.81
Mg 279.078	3091.92	3046.22	3007.24
Mn 257.610	10764.0	10609.1	10507.6
Mo 202.032	6.8571	6.8482	6.2909
Na 330.237	509.053u	80.0555u	308.057u
Ni 231.604	27.6674	26.1349	26.0189
Pb 220.353	376.573	365.666	365.119
Sb 206.834	-1.3130	5.0477	1.8305
Se 196.026	-2.4233	-3.1488	-0.1061
Sn 189.925	24.2497	26.6489	25.9331
Sr 216.596	87.4631	86.9802	85.8919
Ti 334.941	272.509	268.145	267.533
Tl 190.794	1.2533u	5.1356u	5.8120
V 292.401	114.518	112.355	111.580
Zn 206.200	757.315	743.201	731.534

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4077	ppb	0.2997	73.5	-2.8785
Al 308.215	21935.6	ppb	364.944	1.7	147819

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	45.6016	ppb	6.3869	14.0	25.0943
B 249.678	8.9161	ppb	0.5482	6.1	-20.6475
Ba 389.178	957.560	ppb	14.2308	1.5	20585.0
Be 313.042	2.7633	ppb	0.0401	1.5	4765.78
Ca 370.602	12020	ppb	168.7	1.4	34174
Cd 226.502	1.1740	ppb	0.1128	9.6	395.792
Co 228.615	46.8725	ppb	1.1259	2.4	569.952
Cr 267.716	74.5647	ppb	1.4075	1.9	4238.09
Cu 324.754	91.7034	ppb	1.8010	2.0	7077.59
Fe 271.441	91152.5	ppb	1374.30	1.5	143634
K 766.491	1320.90	ppb	13.9936	1.1	59408.1
Mg 279.078	3048.46	ppb	42.3868	1.4	8091.06
Mn 257.610	10626.9	ppb	129.115	1.2	2090424
Mo 202.032	6.6654	ppb	0.3244	4.9	47.5863
Na 330.237	299.055	ppb	214.640	71.8	1.0509
Ni 231.604	26.6071	ppb	0.9201	3.5	85.3247
Pb 220.353	369.119	ppb	6.4607	1.8	599.403
Sb 206.834	1.8550	ppb	3.1805	171.4	0.7333
Se 196.026	-1.8927	ppb	1.5892	84.0	3.3146
Sn 189.925	25.6106	ppb	1.2317	4.8	13.6514
Sr 216.596	86.7784	ppb	0.8048	0.9	1195.38
Ti 334.941	269.396	ppb	2.7131	1.0	78502.4
Tl 190.794	4.0669	ppb	2.4601	60.5	-9.6053
V 292.401	112.818	ppb	1.5226	1.3	2967.89
Zn 206.200	744.016	ppb	12.9099	1.7	813.307

680-106200-b-1-aPDS (Samp) **10/18/2014, 12:16:26 AM** **Rack 3, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	95.9212	94.4534	96.1762
Al 308.215	109104	108831	108759
As 188.980	339.728	336.767	344.485
B 249.678	205.851	205.538	207.666
Ba 389.178	4601.08	4591.15	4593.61
Be 313.042	107.301	107.020	107.022
Ca 370.602	67493	67550	67419
Cd 226.502	97.9893	97.7140	97.9127
Co 228.615	315.806	315.549	316.610
Cr 267.716	448.563	447.354	447.932
Cu 324.754	557.609	555.557	558.360
Fe 271.441	433063	431581	432496
K 766.491	17115.8	17083.3	17100.3
Mg 279.078	23309.8	23267.8	23287.3
Mn 257.610	43555.4x	43382.4x	43509.9x
Mo 202.032	122.611	121.802	121.933
Na 330.237	9594.87	9223.77	9145.38
Ni 231.604	216.362	213.416	214.456
Pb 220.353	1816.09	1820.18	1814.11
Sb 206.834	92.1664	88.2075	90.8258
Se 196.026	85.4392	83.2782	84.1323
Sn 189.925	209.502	203.421	196.895
Sr 216.596	500.533	497.290	499.507
Ti 334.941	1385.73	1381.93	1383.59

Label	Replicates Concentration		
Tl 190.794	27.4665u	30.0085u	29.6783u
V 292.401	633.555	633.121	632.857
Zn 206.200	3589.84	3592.22	3607.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	95.5169b	ppb	0.9298	1.0	8286.09
Al 308.215	108898b	ppb	181.895	0.2	731422
As 188.980	340.327b	ppb	3.8937	1.1	222.083
B 249.678	206.352b	ppb	1.1490	0.6	2488.51
Ba 389.178	4595.28b	ppb	5.1718	0.1	99102.4
Be 313.042	107.114b	ppb	0.1616	0.2	193609
Ca 370.602	67487b	ppb	65.35	0.1	192253
Cd 226.502	97.8720b	ppb	0.1421	0.1	5734.54
Co 228.615	315.988b	ppb	0.5535	0.2	3778.56
Cr 267.716	447.950b	ppb	0.6044	0.1	25124.8
Cu 324.754	557.175b	ppb	1.4506	0.3	41719.3
Fe 271.441	432380b	ppb	747.875	0.2	681276
K 766.491	17099.8b	ppb	16.2299	0.1	766168
Mg 279.078	23288.3b	ppb	21.0483	0.1	62494.5
Mn 257.610	43482.6xb	ppb	89.6918	0.2	8553585
Mo 202.032	122.115b	ppb	0.4345	0.4	821.121
Na 330.237	9321.34b	ppb	240.102	2.6	261.495
Ni 231.604	214.745b	ppb	1.4943	0.7	702.509
Pb 220.353	1816.79b	ppb	3.0941	0.2	2909.88
Sb 206.834	90.3999b	ppb	2.0135	2.2	140.746
Se 196.026	84.2832b	ppb	1.0884	1.3	54.9642
Sn 189.925	203.272b	ppb	6.3050	3.1	148.234
Sr 216.596	499.110b	ppb	1.6572	0.3	6728.03
Ti 334.941	1383.75b	ppb	1.9003	0.1	403367
Tl 190.794	29.0511b	ppb	1.3822	4.8	-9.7095
V 292.401	633.178b	ppb	0.3523	0.1	16664.0
Zn 206.200	3596.46b	ppb	9.4760	0.3	3930.57

680-106200-a-1-a ms (Samp) **10/18/2014, 12:20:43 AM** **Rack 3, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	49.2737	49.7379	48.5434
Al 308.215	137675	137764	137658
As 188.980	334.169	341.822	332.163
B 249.678	199.365	200.878	200.598
Ba 389.178	3037.63	3043.02	3045.13
Be 313.042	62.9460	63.1360	63.0012
Ca 370.602	88611	88614	88259
Cd 226.502	53.2802	53.3178	53.6104
Co 228.615	177.892	177.357	178.800
Cr 267.716	434.446	435.391	434.233
Cu 324.754	584.335	575.820	581.218
Fe 271.441	442490	442445	442273
K 766.491	17035.6	17064.8	17102.9
Mg 279.078	27853.1	27870.2	27813.9
Mn 257.610	14453.1	14498.5	14449.2
Mo 202.032	106.184	107.594	106.541
Na 330.237	6642.39	6370.50	6784.56

Label	Replicates Concentration		
Ni 231.604	218.733	220.636	219.325
Pb 220.353	2168.03	2163.39	2162.24
Sb 206.834	21.5158	23.1662	18.1102
Se 196.026	92.2843	79.3127	87.4942
Sn 189.925	295.311	305.256	308.216
Sr 216.596	561.497	560.503	558.670
Ti 334.941	1835.46	1840.05	1881.50
Tl 190.794	30.5928u	24.1767u	24.5802u
V 292.401	576.942	578.362	578.201
Zn 206.200	3662.79	3680.43	3662.92

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.1850	ppb	0.6022	1.2	4173.12
Al 308.215	137699	ppb	57.0842	0.0	924505
As 188.980	336.051	ppb	5.0974	1.5	219.453
B 249.678	200.280	ppb	0.8050	0.4	2363.25
Ba 389.178	3041.93	ppb	3.8708	0.1	65675.6
Be 313.042	63.0277	ppb	0.0978	0.2	113850
Ca 370.602	88495	ppb	203.9	0.2	252507
Cd 226.502	53.4028	ppb	0.1808	0.3	3895.87
Co 228.615	178.016	ppb	0.7296	0.4	2168.37
Cr 267.716	434.690	ppb	0.6164	0.1	24254.5
Cu 324.754	580.457	ppb	4.3079	0.7	43449.2
Fe 271.441	442403	ppb	114.556	0.0	697050
K 766.491	17067.8	ppb	33.7286	0.2	764734
Mg 279.078	27845.7	ppb	28.8716	0.1	75514.2
Mn 257.610	14467.0	ppb	27.4155	0.2	2846813
Mo 202.032	106.773	ppb	0.7329	0.7	715.701
Na 330.237	6599.15	ppb	210.387	3.2	134.506
Ni 231.604	219.565	ppb	0.9736	0.4	718.787
Pb 220.353	2164.55	ppb	3.0676	0.1	3452.14
Sb 206.834	20.9307	ppb	2.5783	12.3	41.9436
Se 196.026	86.3638	ppb	6.5593	7.6	49.0311
Sn 189.925	302.928	ppb	6.7601	2.2	223.723
Sr 216.596	560.223	ppb	1.4342	0.3	7504.85
Ti 334.941	1852.34	ppb	25.3594	1.4	539951
Tl 190.794	26.4499	ppb	3.5935	13.6	-29.9534
V 292.401	577.835	ppb	0.7777	0.1	15232.1
Zn 206.200	3668.72	ppb	10.1493	0.3	4009.56

680-106200-a-1-b msd (Samp) **10/18/2014, 12:25:00 AM** **Rack 3, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	49.9983	50.3005	50.1196
Al 308.215	129242	128860	129049
As 188.980	383.322	383.754	388.009
B 249.678	212.807	212.789	212.158
Ba 389.178	3275.91	3274.01	3270.31
Be 313.042	62.3768	62.3106	62.3642
Ca 370.602	102860	103017	103204
Cd 226.502	58.8615	58.7665	58.4419
Co 228.615	175.036	174.350	177.347
Cr 267.716	390.758	390.256	390.438

Label	Replicates Concentration		
Cu 324.754	1521.27	1505.67	1512.19
Fe 271.441	433397	435984	435980
K 766.491	16175.3	16177.7	16221.6
Mg 279.078	26876.4	26857.4	26864.4
Mn 257.610	19289.2	19370.4	19372.3
Mo 202.032	110.359	108.847	109.875
Na 330.237	6625.50	6843.52	6735.56
Ni 231.604	265.103	266.694	267.314
Pb 220.353	2543.08	2540.40	2536.98
Sb 206.834	13.2993	24.8494	28.7019
Se 196.026	75.4963	79.9333	79.7758
Sn 189.925	400.102	400.954	410.819
Sr 216.596	637.500	637.453	638.159
Ti 334.941	1766.18	1764.73	1766.57
Tl 190.794	26.6266u	30.9867u	32.8402u
V 292.401	521.313	522.750	521.695
Zn 206.200	4771.41	4759.48	4770.28

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.1395	ppb	0.1521	0.3	4279.68
Al 308.215	129050	ppb	191.073	0.1	866511
As 188.980	385.028	ppb	2.5902	0.7	252.374
B 249.678	212.585	ppb	0.3698	0.2	2586.27
Ba 389.178	3273.41	ppb	2.8518	0.1	70653.3
Be 313.042	62.3505	ppb	0.0351	0.1	112624
Ca 370.602	103027	ppb	172.3	0.2	294841
Cd 226.502	58.6900	ppb	0.2201	0.4	4091.08
Co 228.615	175.578	ppb	1.5702	0.9	2137.01
Cr 267.716	390.484	ppb	0.2545	0.1	21842.7
Cu 324.754	1513.04	ppb	7.8323	0.5	112560
Fe 271.441	435120	ppb	1492.70	0.3	685575
K 766.491	16191.5	ppb	26.0727	0.2	725486
Mg 279.078	26866.1	ppb	9.6039	0.0	72742.3
Mn 257.610	19344.0	ppb	47.4387	0.2	3806002
Mo 202.032	109.693	ppb	0.7721	0.7	736.106
Na 330.237	6734.86	ppb	109.013	1.6	116.462
Ni 231.604	266.370	ppb	1.1403	0.4	864.528
Pb 220.353	2540.15	ppb	3.0553	0.1	4045.02
Sb 206.834	22.2835	ppb	8.0155	36.0	43.1116
Se 196.026	78.4018	ppb	2.5175	3.2	46.4245
Sn 189.925	403.959	ppb	5.9566	1.5	300.254
Sr 216.596	637.704	ppb	0.3942	0.1	8459.53
Ti 334.941	1765.83	ppb	0.9657	0.1	514734
Tl 190.794	30.1512	ppb	3.1899	10.6	-22.2140
V 292.401	521.919	ppb	0.7443	0.1	13769.0
Zn 206.200	4767.06	ppb	6.5853	0.1	5216.94

680-106200-b-39-a (Samp) **10/18/2014, 12:29:17 AM** **Rack 3, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	5.2440	5.1905	4.4566
Al 308.215	80006.0	80274.0	80082.0
As 188.980	1120.88	1124.74	1117.59

Label	Replicates Concentration		
B 249.678	27.9269u	27.8451u	27.8304u
Ba 389.178	1824.01	1827.28	1827.02
Be 313.042	11.1384	11.1483	11.1419
Ca 370.602	57346	57266	57128
Cd 226.502	-2.6221	-2.3523	-2.2142
Co 228.615	84.3256	83.0477	83.0150
Cr 267.716	284.199	285.066	284.000
Cu 324.754	619.554	620.384	623.008
Fe 271.441	388793	389735	390510
K 766.491	5363.10	5368.22	5364.78
Mg 279.078	16439.2	16415.4	16398.2
Mn 257.610	2350.56	2348.22	2342.81
Mo 202.032	74.5091	73.2492	73.5944
Na 330.237	651.135u	548.816u	697.013u
Ni 231.604	189.380	189.865	188.852
Pb 220.353	647.704	646.483	648.384
Sb 206.834	5.1019	5.7664	9.9915
Se 196.026	1.6127	13.1557	6.9696
Sn 189.925	60.8203	59.8852	62.9007
Sr 216.596	641.524	639.180	641.134
Ti 334.941	1939.59	1948.23	1946.73
Tl 190.794	-3.3513u	5.0206u	-1.1136u
V 292.401	451.235	453.326	450.617
Zn 206.200	1313.34	1315.76	1303.45

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.9637	ppb	0.4399	8.9	340.238
Al 308.215	80120.7	ppb	138.126	0.2	538416
As 188.980	1121.07	ppb	3.5773	0.3	747.536
B 249.678	27.8675	ppb	0.0520	0.2	-395.626
Ba 389.178	1826.10	ppb	1.8178	0.1	39459.2
Be 313.042	11.1429	ppb	0.0050	0.0	19950.7
Ca 370.602	57247	ppb	110.5	0.2	162242
Cd 226.502	-2.3962	ppb	0.2075	8.7	1347.45
Co 228.615	83.4628	ppb	0.7474	0.9	1056.19
Cr 267.716	284.421	ppb	0.5668	0.2	15895.2
Cu 324.754	620.982	ppb	1.8032	0.3	46429.9
Fe 271.441	389679	ppb	860.032	0.2	613970
K 766.491	5365.37	ppb	2.6083	0.0	240566
Mg 279.078	16417.6	ppb	20.5877	0.1	44664.0
Mn 257.610	2347.20	ppb	3.9799	0.2	462858
Mo 202.032	73.7843	ppb	0.6511	0.9	492.536
Na 330.237	632.321	ppb	75.8689	12.0	-66.3354
Ni 231.604	189.366	ppb	0.5069	0.3	619.988
Pb 220.353	647.523	ppb	0.9632	0.1	1054.89
Sb 206.834	6.9533	ppb	2.6521	38.1	18.9712
Se 196.026	7.2460	ppb	5.7765	79.7	8.3636
Sn 189.925	61.2021	ppb	1.5436	2.5	40.6118
Sr 216.596	640.613	ppb	1.2560	0.2	8424.99
Ti 334.941	1944.85	ppb	4.6205	0.2	566886
Tl 190.794	0.1852	ppb	4.3345	2339.9	-58.9494
V 292.401	451.726	ppb	1.4196	0.3	11932.6
Zn 206.200	1310.85	ppb	6.5202	0.5	1421.61

680-106200-b-26-a (Samp) **10/18/2014, 12:33:35 AM** **Rack 3, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-3.4706u	-3.9857u	-3.8545u
Al 308.215	126999	127054	127246
As 188.980	281.776	284.102	283.805
B 249.678	15.2962u	14.0626u	14.7545u
Ba 389.178	632.770	633.585	633.789
Be 313.042	5.3432	5.3474	5.3421
Ca 370.602	25232	25305	25258
Cd 226.502	-4.7656	-4.9353	-4.3934
Co 228.615	92.6589	93.0846	93.7579
Cr 267.716	334.962	334.831	335.241
Cu 324.754	193.554	195.077	194.692
Fe 271.441	383335	382218	384008
K 766.491	5974.36	5995.26	5987.18
Mg 279.078	11501.7	11527.3	11518.5
Mn 257.610	3316.83	3335.69	3320.37
Mo 202.032	14.9332	15.1895	14.4994
Na 330.237	-105.313u	235.441u	155.556u
Ni 231.604	98.9817	97.6876	95.8207
Pb 220.353	245.442	250.071	239.401
Sb 206.834	-4.9830	-12.8882u	-6.1574
Se 196.026	6.9428	-3.1326	8.8224
Sn 189.925	21.5030	26.3270	27.4203
Sr 216.596	82.9343	82.5895	84.0321
Ti 334.941	1240.18	1241.73	1242.48
Tl 190.794	-2.2906u	0.2820u	-4.1447u
V 292.401	654.992	657.410	656.289
Zn 206.200	344.402	352.173	352.414

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.7703	ppb	0.2677	7.1	-377.972
Al 308.215	127100	ppb	129.503	0.1	853356
As 188.980	283.227	ppb	1.2657	0.4	184.213
B 249.678	14.7044	ppb	0.6183	4.2	-601.298
Ba 389.178	633.381	ppb	0.5393	0.1	13774.2
Be 313.042	5.3442	ppb	0.0028	0.1	9471.71
Ca 370.602	25265	ppb	37.29	0.1	69265
Cd 226.502	-4.6981	ppb	0.2772	5.9	1227.27
Co 228.615	93.1671	ppb	0.5541	0.6	1156.13
Cr 267.716	335.011	ppb	0.2096	0.1	18679.2
Cu 324.754	194.441	ppb	0.7922	0.4	14811.0
Fe 271.441	383187	ppb	903.932	0.2	603745
K 766.491	5985.60	ppb	10.5422	0.2	268347
Mg 279.078	11515.8	ppb	13.0127	0.1	31272.1
Mn 257.610	3324.30	ppb	10.0251	0.3	654984
Mo 202.032	14.8740	ppb	0.3488	2.3	89.3681
Na 330.237	95.2278	ppb	178.208	187.1	-65.0863
Ni 231.604	97.4967	ppb	1.5891	1.6	332.128
Pb 220.353	244.971	ppb	5.3504	2.2	419.812
Sb 206.834	-8.0095	ppb	4.2656	53.3	-0.9462
Se 196.026	4.2109	ppb	6.4287	152.7	7.1183
Sn 189.925	25.0834	ppb	3.1486	12.6	13.2515
Sr 216.596	83.1853	ppb	0.7533	0.9	1508.79

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1241.46	ppb	1.1711	0.1	361871
Tl 190.794	-2.0511	ppb	2.2231	108.4	-59.4665
V 292.401	656.230	ppb	1.2099	0.2	17268.3
Zn 206.200	349.663	ppb	4.5575	1.3	365.549

Cont Calib Verif (CCV) **10/18/2014, 12:37:52 AM** **Rack 3, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	495.276	492.463	492.023
Al 308.215	4845.61	4847.15	4823.86
As 188.980	461.792	456.603	458.363
B 249.678	480.446	483.074	482.319
Ba 389.178	5003.57	5006.63	5000.86
Be 313.042	490.914	492.025	489.032
Ca 370.602	4687	4697	4657
Cd 226.502	503.730	503.192	503.245
Co 228.615	488.437	488.195	485.853
Cr 267.716	4897.39	4906.60	4882.77
Cu 324.754	5001.27	4932.39	4973.68
Fe 271.441	4935.33	4921.93	4898.91
K 766.491	10030.7	10043.1	10003.0
Mg 279.078	4825.80	4826.15	4803.70
Mn 257.610	4785.85	4796.07	4735.94
Mo 202.032	486.307	486.008	486.144
Na 330.237	7710.69	7607.88	7744.59
Ni 231.604	2497.45	2494.42	2484.02
Pb 220.353	500.423	501.252	501.336
Sb 206.834	938.338	939.920	942.062
Se 196.026	4788.43	4800.58	4784.41
Sn 189.925	4892.44	4899.14	4887.49
Sr 216.596	2483.17	2478.64	2478.71
Ti 334.941	491.915	491.941	490.754
Tl 190.794	4912.70	4905.09	4896.75
V 292.401	4759.43	4760.54	4731.63
Zn 206.200	2435.76	2444.13	2424.91

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	493.254	ppb	1.7645	0.4	42036.4	98.65083
Al 308.215	4838.87	ppb	13.0244	0.3	33562.0	96.77745
As 188.980	458.919	ppb	2.6385	0.6	303.512	91.78386
B 249.678	481.946	ppb	1.3531	0.3	8098.62	96.38924
Ba 389.178	5003.69	ppb	2.8861	0.1	107653	100.07375
Be 313.042	490.657	ppb	1.5129	0.3	887819	98.13139
Ca 370.602	4680	ppb	21.02	0.4	13930	93.60815
Cd 226.502	503.389	ppb	0.2963	0.1	21253.5	100.67784
Co 228.615	487.495	ppb	1.4268	0.3	5741.58	97.49898
Cr 267.716	4895.59	ppb	12.0138	0.2	269537	97.91173
Cu 324.754	4969.11	ppb	34.6695	0.7	368450	99.38225
Fe 271.441	4918.73	ppb	18.4195	0.4	7875.65	98.37451
K 766.491	10025.6	ppb	20.5126	0.2	449305	100.25595
Mg 279.078	4818.55	ppb	12.8640	0.3	13043.9	96.37105
Mn 257.610	4772.62	ppb	32.1756	0.7	938770	95.45239
Mo 202.032	486.153	ppb	0.1494	0.0	3328.42	97.23058

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	7687.72	ppb	71.1927	0.9	311.771	102.50292
Ni 231.604	2491.96	ppb	7.0455	0.3	7787.20	99.67846
Pb 220.353	501.004	ppb	0.5051	0.1	803.732	100.20077
Sb 206.834	940.107	ppb	1.8692	0.2	1387.50	94.01067
Se 196.026	4791.14	ppb	8.4226	0.2	2257.10	95.82279
Sn 189.925	4893.02	ppb	5.8480	0.1	3700.76	97.86041
Sr 216.596	2480.17	ppb	2.5975	0.1	30633.3	99.20695
Ti 334.941	491.537	ppb	0.6779	0.1	143238	98.30734
Tl 190.794	4904.84	ppb	7.9788	0.2	5487.43	98.09689
V 292.401	4750.54	ppb	16.3781	0.3	123784	95.01071
Zn 206.200	2434.93	ppb	9.6328	0.4	2659.77	97.39731

Cont Calib Blank (CCB) **10/18/2014, 12:42:10 AM** **Rack 3, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	-0.1113u	-0.1139u	0.0418
Al 308.215	-2.3033u	-3.1395u	-2.5399u
As 188.980	0.9459	-2.1207u	2.1847
B 249.678	9.0055	8.5049	7.8661
Ba 389.178	1.1543	0.8115	1.3131
Be 313.042	0.0219	0.0185	0.0134
Ca 370.602	-0.4498u	2.533	0.1749
Cd 226.502	0.0899	0.1869	0.2137
Co 228.615	0.0152	-0.4017u	0.0854
Cr 267.716	0.5797	0.5637	0.5029
Cu 324.754	0.7171	0.9664	0.6777
Fe 271.441	7.3726	11.0447	6.9539
K 766.491	2.6909	1.6562	1.9024
Mg 279.078	2.2615	2.8197	2.7023
Mn 257.610	0.8706	0.7932	0.7692
Mo 202.032	0.9884	1.2571	0.6870
Na 330.237	20.0901	1.8129	52.8948
Ni 231.604	0.4125	0.8385	0.2038
Pb 220.353	2.3851	1.2650	0.7245
Sb 206.834	3.8774	2.9046	4.0831
Se 196.026	7.1458	-0.6581u	-5.3914u
Sn 189.925	0.6676	1.5715	1.8763
Sr 216.596	0.2494	0.3085	0.3047
Ti 334.941	0.1595	0.1890	0.1000
Tl 190.794	3.6970	4.2144	1.5404
V 292.401	0.3980	0.6386	0.3576
Zn 206.200	1.5889	1.8400	1.1224

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0611	ppb	0.0892	145.9	-12.0549	-0.06113
Al 308.215	-2.6609	ppb	0.4310	16.2	585.511	-2.66089
As 188.980	0.3366	ppb	2.2164	658.4	-4.9992	0.33663
B 249.678	8.4588	ppb	0.5711	6.8	183.080	8.45885
Ba 389.178	1.0930	ppb	0.2564	23.5	-57.0596	1.09299
Be 313.042	0.0179	ppb	0.0043	24.0	-207.561	0.01793
Ca 370.602	0.7527	ppb	1.573	209.0	22.50	0.75270
Cd 226.502	0.1635	ppb	0.0651	39.8	16.4441	0.16351
Co 228.615	-0.1004	ppb	0.2633	262.4	5.6199	-0.10036

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	0.5488	ppb	0.0405	7.4	64.5955	0.54875
Cu 324.754	0.7871	ppb	0.1566	19.9	301.532	0.78707
Fe 271.441	8.4571	ppb	2.2507	26.6	29.3785	8.45705
K 766.491	2.0832	ppb	0.5405	25.9	336.438	2.08317
Mg 279.078	2.5945	ppb	0.2943	11.3	30.5428	2.59451
Mn 257.610	0.8110	ppb	0.0530	6.5	195.806	0.81100
Mo 202.032	0.9775	ppb	0.2852	29.2	13.0835	0.97748
Na 330.237	24.9326	ppb	25.8829	103.8	26.8665	24.93262
Ni 231.604	0.4850	ppb	0.3235	66.7	-4.1176	0.48495
Pb 220.353	1.4582	ppb	0.8470	58.1	11.7858	1.45819
Sb 206.834	3.6217	ppb	0.6295	17.4	-0.4913	3.62169
Se 196.026	0.3654	ppb	6.3309	1732.4	0.9402	0.36545
Sn 189.925	1.3718	ppb	0.6286	45.8	-4.7095	1.37179
Sr 216.596	0.2875	ppb	0.0330	11.5	9.9092	0.28752
Ti 334.941	0.1495	ppb	0.0453	30.3	11.9074	0.14952
Tl 190.794	3.1506	ppb	1.4183	45.0	-4.1670	3.15061
V 292.401	0.4648	ppb	0.1519	32.7	0.6437	0.46475
Zn 206.200	1.5171	ppb	0.3642	24.0	1.9068	1.51710

680-106200-b-4-a (Samp) **10/18/2014, 12:46:28 AM** **Rack 3, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-4.4078u	-4.2806u	-3.9906u
Al 308.215	134580	134731	134463
As 188.980	235.237	241.762	233.011
B 249.678	17.1301u	17.5117u	18.2069u
Ba 389.178	259.310	259.485	258.940
Be 313.042	6.4909	6.4778	6.4731
Ca 370.602	34909	34807	34687
Cd 226.502	-5.4136	-5.3496	-4.7903
Co 228.615	145.048	143.131	143.788
Cr 267.716	406.581	406.670	405.331
Cu 324.754	276.811	276.910	276.248
Fe 271.441	340585	339968	339864
K 766.491	7677.42	7682.12	7651.35
Mg 279.078	13942.2	13929.2	13960.8
Mn 257.610	2521.07	2529.17	2537.13
Mo 202.032	13.0900	12.2608	12.3183
Na 330.237	270.775u	230.917u	24.8716u
Ni 231.604	120.646	122.469	122.477
Pb 220.353	251.480	255.386	252.160
Sb 206.834	-5.5641	-7.2261	-6.6400
Se 196.026	-4.9568	4.9808	7.0536
Sn 189.925	22.9172	29.7130	26.6878
Sr 216.596	118.606	119.329	119.446
Ti 334.941	1035.42	1033.87	1031.82
Tl 190.794	-1.3268u	-2.5541u	-4.6300u
V 292.401	508.615	507.025	505.967
Zn 206.200	392.450	392.621	393.608

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.2263	ppb	0.2138	5.1	-415.575
Al 308.215	134591	ppb	134.363	0.1	903487

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	236.670	ppb	4.5482	1.9	153.240
B 249.678	17.6162	ppb	0.5460	3.1	-452.496
Ba 389.178	259.245	ppb	0.2785	0.1	5700.33
Be 313.042	6.4806	ppb	0.0092	0.1	11525.6
Ca 370.602	34801	ppb	111.4	0.3	97336
Cd 226.502	-5.1845	ppb	0.3429	6.6	1047.34
Co 228.615	143.989	ppb	0.9738	0.7	1746.12
Cr 267.716	406.194	ppb	0.7487	0.2	22574.4
Cu 324.754	276.656	ppb	0.3572	0.1	20887.3
Fe 271.441	340139	ppb	389.764	0.1	535928
K 766.491	7670.30	ppb	16.5785	0.2	343807
Mg 279.078	13944.1	ppb	15.8925	0.1	37901.8
Mn 257.610	2529.12	ppb	8.0295	0.3	498488
Mo 202.032	12.5564	ppb	0.4630	3.7	75.7156
Na 330.237	175.521	ppb	131.980	75.2	-52.5575
Ni 231.604	121.864	ppb	1.0548	0.9	404.495
Pb 220.353	253.009	ppb	2.0866	0.8	429.480
Sb 206.834	-6.4768	ppb	0.8429	13.0	0.6873
Se 196.026	2.3592	ppb	6.4201	272.1	5.6451
Sn 189.925	26.4393	ppb	3.4047	12.9	14.2788
Sr 216.596	119.127	ppb	0.4548	0.4	1904.58
Ti 334.941	1033.70	ppb	1.8057	0.2	301319
Tl 190.794	-2.8370	ppb	1.6697	58.9	-54.9554
V 292.401	507.202	ppb	1.3325	0.3	13354.4
Zn 206.200	392.893	ppb	0.6247	0.2	414.839

680-106200-b-38-a (Samp) **10/18/2014, 12:50:45 AM** **Rack 3, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	0.3912u	0.4985u	0.4567u
Al 308.215	71523.7	71523.8	71507.4
As 188.980	400.275	397.210	392.726
B 249.678	37.9273	38.5434	37.6840
Ba 389.178	2656.93	2657.58	2658.23
Be 313.042	12.7145	12.7070	12.7092
Ca 370.602	63515	63639	63695
Cd 226.502	-2.3248	-2.5334	-2.8565
Co 228.615	105.665	105.366	104.949
Cr 267.716	120.105	120.179	120.209
Cu 324.754	489.770	493.485	489.188
Fe 271.441	262738	262573	262460
K 766.491	7269.76	7267.68	7265.32
Mg 279.078	7874.23	7869.94	7872.65
Mn 257.610	2211.22	2214.20	2218.38
Mo 202.032	110.372	109.257	110.738
Na 330.237	1008.72u	1099.81u	1133.13u
Ni 231.604	243.286	243.132	241.539
Pb 220.353	229.712	222.399	221.147
Sb 206.834	14.7795	7.8689	10.9819
Se 196.026	14.5165	17.4300	16.2167
Sn 189.925	29.3341	25.7457	29.9172
Sr 216.596	967.483	968.189	968.463
Ti 334.941	2737.72	2731.84	2739.00

Label	Replicates Concentration		
Tl 190.794	-0.3818u	-2.0006u	2.9933u
V 292.401	324.231	324.800	325.239
Zn 206.200	727.829	727.046	726.616

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4488	ppb	0.0541	12.1	-35.4286
Al 308.215	71518.3	ppb	9.4274	0.0	480522
As 188.980	396.737	ppb	3.7968	1.0	260.781
B 249.678	38.0516	ppb	0.4429	1.2	69.4954
Ba 389.178	2657.58	ppb	0.6471	0.0	57279.0
Be 313.042	12.7102	ppb	0.0039	0.0	22780.2
Ca 370.602	63616	ppb	92.34	0.1	182627
Cd 226.502	-2.5716	ppb	0.2679	10.4	870.135
Co 228.615	105.327	ppb	0.3596	0.3	1320.23
Cr 267.716	120.165	ppb	0.0535	0.0	6792.33
Cu 324.754	490.814	ppb	2.3309	0.5	36731.2
Fe 271.441	262591	ppb	139.650	0.1	413744
K 766.491	7267.59	ppb	2.2242	0.0	325769
Mg 279.078	7872.27	ppb	2.1672	0.0	21392.8
Mn 257.610	2214.60	ppb	3.5974	0.2	436374
Mo 202.032	110.122	ppb	0.7716	0.7	747.412
Na 330.237	1080.55	ppb	64.3998	6.0	-5.9163
Ni 231.604	242.652	ppb	0.9671	0.4	775.621
Pb 220.353	224.420	ppb	4.6264	2.1	378.789
Sb 206.834	11.2101	ppb	3.4609	30.9	18.3273
Se 196.026	16.0544	ppb	1.4635	9.1	11.2948
Sn 189.925	28.3323	ppb	2.2590	8.0	15.7130
Sr 216.596	968.045	ppb	0.5052	0.1	12323.7
Ti 334.941	2736.19	ppb	3.8223	0.1	797494
Tl 190.794	0.2036	ppb	2.5479	1251.1	-41.8043
V 292.401	324.757	ppb	0.5053	0.2	8583.68
Zn 206.200	727.164	ppb	0.6150	0.1	786.680

680-106200-b-8-a (Samp) **10/18/2014, 12:55:02 AM** **Rack 3, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-3.1021u	-3.0843u	-3.1129u
Al 308.215	146028	146033	146228
As 188.980	298.047	303.777	296.612
B 249.678	9.8269u	10.5758u	10.8207u
Ba 389.178	1412.52	1414.39	1416.11
Be 313.042	11.4153	11.4151	11.4172
Ca 370.602	56363	56247	56126
Cd 226.502	-7.8515	-7.4205	-6.8263
Co 228.615	169.961	169.807	169.669
Cr 267.716	543.120	543.281	543.110
Cu 324.754	164.511	162.525	162.358
Fe 271.441	734545	733157	734168
K 766.491	5336.94	5340.40	5339.56
Mg 279.078	17979.2	17962.1	18002.8
Mn 257.610	12322.5	12319.1	12295.6
Mo 202.032	19.4713	19.9118	19.0005
Na 330.237	174.603u	314.909u	163.217u

Label	Replicates Concentration		
Ni 231.604	99.2816	101.470	99.9998
Pb 220.353	389.909	390.876	391.449
Sb 206.834	-7.8320	-9.6718	-12.1352
Se 196.026	9.1864	-2.0687	-1.4971
Sn 189.925	32.8625	25.4216	32.5371
Sr 216.596	144.188	142.083	142.540
Ti 334.941	1139.58	1139.87	1139.39
Tl 190.794	-5.5341u	-10.5306u	-10.8806u
V 292.401	887.696	885.672	883.842
Zn 206.200	511.905	513.100	511.468

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.0998	ppb	0.0144	0.5	-334.652
Al 308.215	146096	ppb	113.794	0.1	981320
As 188.980	299.478	ppb	3.7911	1.3	193.031
B 249.678	10.4078	ppb	0.5178	5.0	-1485.97
Ba 389.178	1414.34	ppb	1.7944	0.1	30780.7
Be 313.042	11.4159	ppb	0.0012	0.0	20468.3
Ca 370.602	56245	ppb	118.4	0.2	155026
Cd 226.502	-7.3661	ppb	0.5148	7.0	2409.79
Co 228.615	169.812	ppb	0.1460	0.1	2079.50
Cr 267.716	543.170	ppb	0.0959	0.0	30353.8
Cu 324.754	163.131	ppb	1.1982	0.7	12640.4
Fe 271.441	733957	ppb	717.678	0.1	1156395
K 766.491	5338.97	ppb	1.8019	0.0	239384
Mg 279.078	17981.4	ppb	20.4049	0.1	48683.4
Mn 257.610	12312.4	ppb	14.6468	0.1	2423766
Mo 202.032	19.4612	ppb	0.4557	2.3	103.957
Na 330.237	217.576	ppb	84.4850	38.8	-140.580
Ni 231.604	100.250	ppb	1.1155	1.1	370.765
Pb 220.353	390.745	ppb	0.7783	0.2	674.896
Sb 206.834	-9.8797	ppb	2.1591	21.9	10.1738
Se 196.026	1.8735	ppb	6.3396	338.4	11.4695
Sn 189.925	30.2737	ppb	4.2052	13.9	17.1825
Sr 216.596	142.937	ppb	1.1074	0.8	2685.56
Ti 334.941	1139.61	ppb	0.2381	0.0	332241
Tl 190.794	-8.9818	ppb	2.9909	33.3	-109.904
V 292.401	885.737	ppb	1.9277	0.2	23377.8
Zn 206.200	512.158	ppb	0.8445	0.2	527.115

680-106200-b-25-a (Samp) **10/18/2014, 12:59:19 AM** **Rack 3, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	-4.0264u	-4.0822u	-4.2595u
Al 308.215	150909	151060	150716
As 188.980	312.536	320.567	300.292
B 249.678	13.1403u	13.3645u	12.4649u
Ba 389.178	589.876	589.822	587.934
Be 313.042	10.0066	10.0005	10.0120
Ca 370.602	45861	45797	45857
Cd 226.502	-3.4280	-3.7506	-4.1656
Co 228.615	163.400	164.662	162.834
Cr 267.716	343.559	342.702	342.747

Label	Replicates Concentration		
Cu 324.754	277.465	277.382	277.769
Fe 271.441	411403	411137	411261
K 766.491	7090.89	7114.47	7105.10
Mg 279.078	24404.0	24400.9	24364.2
Mn 257.610	9863.92	9839.79	9864.81
Mo 202.032	15.3611	16.2917	15.1111
Na 330.237	122.355u	147.685u	210.246u
Ni 231.604	138.723	140.221	138.508
Pb 220.353	377.272	367.087	365.365
Sb 206.834	-7.4795	-12.4191u	-5.4557
Se 196.026	-2.0634	11.6544	7.0246
Sn 189.925	31.2004	32.0521	36.6815
Sr 216.596	109.936	109.383	108.615
Ti 334.941	1178.70	1178.39	1178.04
Tl 190.794	-4.1860u	-4.8052u	0.5663u
V 292.401	611.316	609.712	610.680
Zn 206.200	578.477	574.631	573.604

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.1227	ppb	0.1217	3.0	-378.638
Al 308.215	150895	ppb	172.195	0.1	1012913
As 188.980	311.132	ppb	10.2103	3.3	203.062
B 249.678	12.9899	ppb	0.4683	3.6	-695.245
Ba 389.178	589.211	ppb	1.1062	0.2	12855.7
Be 313.042	10.0064	ppb	0.0058	0.1	17911.7
Ca 370.602	45838	ppb	35.57	0.1	128738
Cd 226.502	-3.7814	ppb	0.3698	9.8	1370.10
Co 228.615	163.632	ppb	0.9356	0.6	1984.85
Cr 267.716	343.003	ppb	0.4821	0.1	19167.3
Cu 324.754	277.539	ppb	0.2034	0.1	20982.3
Fe 271.441	411267	ppb	133.125	0.0	647994
K 766.491	7103.49	ppb	11.8733	0.2	318419
Mg 279.078	24389.7	ppb	22.1576	0.1	66190.6
Mn 257.610	9856.17	ppb	14.1949	0.1	1939850
Mo 202.032	15.5880	ppb	0.6221	4.0	92.9775
Na 330.237	160.095	ppb	45.2406	28.3	-73.6071
Ni 231.604	139.150	ppb	0.9332	0.7	464.658
Pb 220.353	369.908	ppb	6.4352	1.7	619.754
Sb 206.834	-8.4514	ppb	3.5820	42.4	-0.5628
Se 196.026	5.5385	ppb	6.9786	126.0	9.6091
Sn 189.925	33.3113	ppb	2.9496	8.9	19.4842
Sr 216.596	109.311	ppb	0.6638	0.6	1873.39
Ti 334.941	1178.38	ppb	0.3259	0.0	343513
Tl 190.794	-2.8083	ppb	2.9389	104.6	-60.4846
V 292.401	610.569	ppb	0.8080	0.1	16084.3
Zn 206.200	575.571	ppb	2.5686	0.4	612.445

680-106200-b-17-a (Samp) **10/18/2014, 1:03:37 AM** **Rack 3, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	1.6930	1.3440	1.0608
Al 308.215	123328	123586	123480
As 188.980	300.332	304.644	292.554

Label	Replicates Concentration		
B 249.678	80.3486	80.7484	81.4450
Ba 389.178	2981.82	2984.35	2985.33
Be 313.042	14.2065	14.2302	14.2106
Ca 370.602	137941	137320	137105
Cd 226.502	6.6201	6.9219	7.2560
Co 228.615	100.152	99.5568	100.046
Cr 267.716	312.598	312.280	312.549
Cu 324.754	544.996	542.431	545.665
Fe 271.441	423485	422923	423408
K 766.491	12528.9	12550.7	12566.9
Mg 279.078	16562.4	16570.0	16568.9
Mn 257.610	11758.1	11713.4	11695.9
Mo 202.032	20.1330	19.6136	20.6112
Na 330.237	1811.71u	2021.71u	1945.92u
Ni 231.604	144.135	148.811	144.921
Pb 220.353	2293.38	2279.10	2286.14
Sb 206.834	0.5294	7.5057	10.3565
Se 196.026	3.5611	1.5942	3.2829
Sn 189.925	173.726	178.020	177.690
Sr 216.596	665.324	664.284	665.334
Ti 334.941	2166.38	2162.10	2160.75
Tl 190.794	-4.1662u	-6.7818u	-3.0508u
V 292.401	384.106	382.956	383.250
Zn 206.200	4515.67	4491.02	4499.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.3659	ppb	0.3167	23.2	77.3787
Al 308.215	123464	ppb	129.733	0.1	829025
As 188.980	299.177	ppb	6.1276	2.0	194.640
B 249.678	80.8473	ppb	0.5549	0.7	410.474
Ba 389.178	2983.83	ppb	1.8127	0.1	64399.2
Be 313.042	14.2158	ppb	0.0127	0.1	25544.4
Ca 370.602	137456	ppb	434.1	0.3	394814
Cd 226.502	6.9327	ppb	0.3181	4.6	1867.25
Co 228.615	99.9181	ppb	0.3174	0.3	1258.33
Cr 267.716	312.476	ppb	0.1708	0.1	17506.7
Cu 324.754	544.364	ppb	1.7071	0.3	40765.5
Fe 271.441	423272	ppb	304.592	0.1	666897
K 766.491	12548.8	ppb	19.0689	0.2	562323
Mg 279.078	16567.1	ppb	4.1045	0.0	44850.7
Mn 257.610	11722.5	ppb	32.0843	0.3	2306896
Mo 202.032	20.1193	ppb	0.4989	2.5	123.666
Na 330.237	1926.45	ppb	106.344	5.5	-91.4486
Ni 231.604	145.956	ppb	2.5037	1.7	487.153
Pb 220.353	2286.21	ppb	7.1392	0.3	3642.24
Sb 206.834	6.1305	ppb	5.0558	82.5	20.2779
Se 196.026	2.8127	ppb	1.0644	37.8	8.9106
Sn 189.925	176.478	ppb	2.3895	1.4	127.935
Sr 216.596	664.981	ppb	0.6034	0.1	8803.15
Ti 334.941	2163.07	ppb	2.9381	0.1	630495
Tl 190.794	-4.6663	ppb	1.9151	41.0	-63.8160
V 292.401	383.437	ppb	0.5976	0.2	10171.9
Zn 206.200	4502.15	ppb	12.4967	0.3	4926.62

680-106200-b-5-a (Samp) **10/18/2014, 1:07:54 AM** **Rack 3, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-3.8771u	-3.9854u	-3.8895u
Al 308.215	134984	134742	135074
As 188.980	288.433	297.115	293.718
B 249.678	13.6057u	14.4741u	13.6792u
Ba 389.178	231.971	231.977	233.069
Be 313.042	5.2295	5.2197	5.2175
Ca 370.602	34253	34188	34200
Cd 226.502	-4.3344	-4.6850	-4.7768
Co 228.615	116.995	116.841	118.048
Cr 267.716	280.486	280.623	281.173
Cu 324.754	267.603	269.358	270.613
Fe 271.441	355969	355267	355554
K 766.491	6332.42	6310.63	6325.87
Mg 279.078	15327.1	15294.4	15311.8
Mn 257.610	2237.15	2234.72	2235.39
Mo 202.032	15.8230	16.2410	16.0990
Na 330.237	179.968u	37.6005u	240.725u
Ni 231.604	121.465	123.126	120.920
Pb 220.353	229.726	223.446	230.761
Sb 206.834	-6.1064	-2.5483	-7.7461
Se 196.026	-6.8159	-5.4167	0.0332
Sn 189.925	31.0920	33.1595	33.0699
Sr 216.596	98.7354	99.3207	99.7358
Ti 334.941	1161.11	1158.38	1161.28
Tl 190.794	-3.6444u	2.7692u	2.4998u
V 292.401	532.747	533.349	532.897
Zn 206.200	415.493	412.974	416.213

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.9173	ppb	0.0593	1.5	-392.585
Al 308.215	134934	ppb	171.621	0.1	905812
As 188.980	293.089	ppb	4.3753	1.5	191.115
B 249.678	13.9197	ppb	0.4816	3.5	-551.231
Ba 389.178	232.339	ppb	0.6319	0.3	5131.65
Be 313.042	5.2222	ppb	0.0064	0.1	9249.51
Ca 370.602	34214	ppb	34.44	0.1	95486
Cd 226.502	-4.5987	ppb	0.2334	5.1	1130.87
Co 228.615	117.295	ppb	0.6572	0.6	1435.82
Cr 267.716	280.761	ppb	0.3633	0.1	15674.8
Cu 324.754	269.191	ppb	1.5118	0.6	20340.7
Fe 271.441	355596	ppb	352.882	0.1	560278
K 766.491	6322.98	ppb	11.1829	0.2	283459
Mg 279.078	15311.1	ppb	16.3818	0.1	41630.8
Mn 257.610	2235.75	ppb	1.2532	0.1	440841
Mo 202.032	16.0543	ppb	0.2126	1.3	98.8721
Na 330.237	152.765	ppb	104.259	68.2	-57.8955
Ni 231.604	121.837	ppb	1.1488	0.9	405.847
Pb 220.353	227.978	ppb	3.9586	1.7	390.844
Sb 206.834	-5.4669	ppb	2.6573	48.6	1.1515
Se 196.026	-4.0665	ppb	3.6187	89.0	2.7038
Sn 189.925	32.4405	ppb	1.1687	3.6	18.8246
Sr 216.596	99.2640	ppb	0.5026	0.5	1678.14

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1160.26	ppb	1.6290	0.1	338208
Tl 190.794	0.5415	ppb	3.6276	669.9	-53.5505
V 292.401	532.998	ppb	0.3135	0.1	14040.6
Zn 206.200	414.893	ppb	1.7008	0.4	438.666

680-106200-b-3-a (Samp) **10/18/2014, 1:12:12 AM** **Rack 3, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-5.2584u	-5.6043u	-4.9114u
Al 308.215	111767	111482	111648
As 188.980	211.043	209.375	213.597
B 249.678	12.7741u	13.2225u	13.9025u
Ba 389.178	292.922	292.116	293.264
Be 313.042	7.0961	7.0581	7.0521
Ca 370.602	45899	45688	45644
Cd 226.502	-4.3907	-4.5026	-4.2108
Co 228.615	222.308	220.817	220.722
Cr 267.716	212.645	212.086	211.876
Cu 324.754	231.840	229.810	229.038
Fe 271.441	370868	370112	369887
K 766.491	6174.22	6157.15	6133.85
Mg 279.078	16586.9	16543.2	16575.1
Mn 257.610	3239.28	3221.53	3215.05
Mo 202.032	14.6806	14.7382	14.5646
Na 330.237	305.498u	242.362u	86.8938u
Ni 231.604	131.169	128.819	132.156
Pb 220.353	308.608	301.137	305.450
Sb 206.834	-1.4983	-10.2769u	-10.7745u
Se 196.026	6.7889	6.8072	5.4255
Sn 189.925	550.784	547.420	556.988
Sr 216.596	121.704	121.068	121.121
Ti 334.941	990.698	986.883	986.158
Tl 190.794	-1.9546u	-0.6953u	-2.8750u
V 292.401	397.189	393.041	393.299
Zn 206.200	393.962	391.141	393.243

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.2580	ppb	0.3464	6.6	-505.400
Al 308.215	111633	ppb	142.917	0.1	749620
As 188.980	211.338	ppb	2.1263	1.0	135.749
B 249.678	13.2997	ppb	0.5681	4.3	-596.168
Ba 389.178	292.767	ppb	0.5896	0.2	6441.79
Be 313.042	7.0688	ppb	0.0238	0.3	12584.9
Ca 370.602	45744	ppb	136.7	0.3	128694
Cd 226.502	-4.3681	ppb	0.1472	3.4	1195.67
Co 228.615	221.283	ppb	0.8893	0.4	2654.74
Cr 267.716	212.202	ppb	0.3976	0.2	11913.6
Cu 324.754	230.229	ppb	1.4474	0.6	17461.8
Fe 271.441	370289	ppb	513.719	0.1	583438
K 766.491	6155.07	ppb	20.2659	0.3	275938
Mg 279.078	16568.4	ppb	22.5950	0.1	45042.8
Mn 257.610	3225.29	ppb	12.5410	0.4	635513
Mo 202.032	14.6611	ppb	0.0884	0.6	88.7878

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	211.584	ppb	112.505	53.2	-57.6995
Ni 231.604	130.715	ppb	1.7143	1.3	434.623
Pb 220.353	305.065	ppb	3.7502	1.2	513.925
Sb 206.834	-7.5166	ppb	5.2179	69.4	-1.9093
Se 196.026	6.3405	ppb	0.7925	12.5	7.9893
Sn 189.925	551.731	ppb	4.8539	0.9	412.192
Sr 216.596	121.298	ppb	0.3528	0.3	1973.68
Ti 334.941	987.913	ppb	2.4389	0.2	287980
Tl 190.794	-1.8416	ppb	1.0942	59.4	-57.6135
V 292.401	394.510	ppb	2.3235	0.6	10429.5
Zn 206.200	392.782	ppb	1.4659	0.4	413.895

680-106200-b-28-a (Samp) **10/18/2014, 1:16:29 AM** **Rack 3, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-2.2103u	-2.1551u	-2.2694u
Al 308.215	104899	104971	104713
As 188.980	375.944	379.153	379.373
B 249.678	9.1598u	9.7162u	9.1164u
Ba 389.178	486.748	486.274	486.226
Be 313.042	4.0847	4.0727	4.0760
Ca 370.602	16398	16385	16358
Cd 226.502	-5.0709	-4.8873	-4.8842
Co 228.615	51.6412	50.9348	51.5397
Cr 267.716	206.946	207.056	206.379
Cu 324.754	224.618	223.117	222.028
Fe 271.441	366640	366329	366234
K 766.491	5550.07	5571.68	5555.34
Mg 279.078	6999.16	7011.28	7006.93
Mn 257.610	3940.96	3937.13	3918.31
Mo 202.032	15.9659	15.4021	16.2699
Na 330.237	141.094u	524.053u	200.389u
Ni 231.604	73.9863	75.6965	72.2298
Pb 220.353	231.046	233.605	231.694
Sb 206.834	-3.9139	-3.7281	-4.8857
Se 196.026	13.8792	6.5186	-4.4602
Sn 189.925	26.0533	26.3703	23.0073
Sr 216.596	63.1623	65.4384	63.5928
Ti 334.941	1047.21	1047.79	1045.85
Tl 190.794	-3.3215u	-5.9761u	-0.3915u
V 292.401	520.363	520.453	518.254
Zn 206.200	334.680	335.709	333.620

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2116	ppb	0.0571	2.6	-238.355
Al 308.215	104861	ppb	133.194	0.1	704232
As 188.980	378.157	ppb	1.9192	0.5	247.973
B 249.678	9.3308	ppb	0.3344	3.6	-653.536
Ba 389.178	486.416	ppb	0.2885	0.1	10595.5
Be 313.042	4.0778	ppb	0.0062	0.2	7168.13
Ca 370.602	16380	ppb	20.24	0.1	43621
Cd 226.502	-4.9475	ppb	0.1069	2.2	1156.84
Co 228.615	51.3719	ppb	0.3820	0.7	659.160

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	206.794	ppb	0.3635	0.2	11616.2
Cu 324.754	223.254	ppb	1.3003	0.6	16941.3
Fe 271.441	366401	ppb	212.459	0.1	577292
K 766.491	5559.03	ppb	11.2704	0.2	249241
Mg 279.078	7005.79	ppb	6.1423	0.1	18981.5
Mn 257.610	3932.13	ppb	12.1227	0.3	774458
Mo 202.032	15.8793	ppb	0.4403	2.8	97.1669
Na 330.237	288.512	ppb	206.128	71.4	-52.1361
Ni 231.604	73.9709	ppb	1.7334	2.3	257.250
Pb 220.353	232.115	ppb	1.3305	0.6	398.914
Sb 206.834	-4.1759	ppb	0.6217	14.9	2.4861
Se 196.026	5.3125	ppb	9.2290	173.7	7.6422
Sn 189.925	25.1436	ppb	1.8569	7.4	13.2972
Sr 216.596	64.0645	ppb	1.2091	1.9	1250.02
Ti 334.941	1046.95	ppb	0.9974	0.1	305170
Tl 190.794	-3.2297	ppb	2.7934	86.5	-58.5847
V 292.401	519.690	ppb	1.2447	0.2	13698.6
Zn 206.200	334.670	ppb	1.0442	0.3	350.238

680-106200-b-2-a (Samp) **10/18/2014, 1:20:47 AM** **Rack 3, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	0.6273	0.6421	1.1201
Al 308.215	134367	134545	134792
As 188.980	263.614	268.867	260.107
B 249.678	82.8764	84.0349	84.0925
Ba 389.178	2994.31	2993.76	2989.71
Be 313.042	16.3733	16.3733	16.3776
Ca 370.602	159446	159003	158753
Cd 226.502	9.4831	9.6491	10.0509
Co 228.615	97.4052	96.8809	96.6822
Cr 267.716	378.527	378.222	378.379
Cu 324.754	529.572	530.656	528.811
Fe 271.441	411701	413664	414016
K 766.491	15019.3	15022.4	15035.6
Mg 279.078	23550.2	23576.1	23614.8
Mn 257.610	13616.6	13613.5	13637.7
Mo 202.032	19.7098	20.3843	20.9805
Na 330.237	1647.96u	1686.63u	1867.62u
Ni 231.604	123.961	123.975	124.945
Pb 220.353	1898.46	1893.09	1907.54
Sb 206.834	5.9432	2.7544	3.9281
Se 196.026	6.0787	1.8024	3.9585
Sn 189.925	164.146	171.133	170.176
Sr 216.596	586.945	585.701	590.104
Ti 334.941	1848.32	1849.45	1850.19
Tl 190.794	-5.1456u	2.8507u	-5.1109u
V 292.401	553.504	555.064	554.777
Zn 206.200	3788.66	3795.03	3798.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.7965	ppb	0.2803	35.2	44.1335
Al 308.215	134568	ppb	213.617	0.2	903463

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	264.196	ppb	4.4090	1.7	171.281
B 249.678	83.6679	ppb	0.6861	0.8	479.308
Ba 389.178	2992.60	ppb	2.5138	0.1	64592.8
Be 313.042	16.3748	ppb	0.0025	0.0	29469.7
Ca 370.602	159067	ppb	350.7	0.2	457522
Cd 226.502	9.7277	ppb	0.2919	3.0	1950.53
Co 228.615	96.9894	ppb	0.3735	0.4	1216.47
Cr 267.716	378.376	ppb	0.1524	0.0	21138.0
Cu 324.754	529.679	ppb	0.9274	0.2	39670.5
Fe 271.441	413127	ppb	1247.27	0.3	650916
K 766.491	15025.8	ppb	8.6899	0.1	673270
Mg 279.078	23580.4	ppb	32.4975	0.1	63908.0
Mn 257.610	13622.6	ppb	13.1749	0.1	2680646
Mo 202.032	20.3582	ppb	0.6357	3.1	125.549
Na 330.237	1734.07	ppb	117.263	6.8	-80.8228
Ni 231.604	124.294	ppb	0.5638	0.5	418.608
Pb 220.353	1899.70	ppb	7.3027	0.4	3032.70
Sb 206.834	4.2086	ppb	1.6128	38.3	18.0115
Se 196.026	3.9465	ppb	2.1381	54.2	9.8426
Sn 189.925	168.485	ppb	3.7879	2.2	121.880
Sr 216.596	587.583	ppb	2.2701	0.4	7843.97
Ti 334.941	1849.32	ppb	0.9397	0.1	539061
Tl 190.794	-2.4686	ppb	4.6067	186.6	-58.7057
V 292.401	554.448	ppb	0.8306	0.1	14627.4
Zn 206.200	3794.21	ppb	5.1871	0.1	4148.93

680-106200-b-11-a (Samp) **10/18/2014, 1:25:04 AM** **Rack 3, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	-5.4087u	-5.3695u	-6.2668u
Al 308.215	143546	143819	143552
As 188.980	567.913	558.497	577.332
B 249.678	23.7080u	23.1634u	23.4484u
Ba 389.178	3419.95	3439.27	3420.51
Be 313.042	11.8767	11.9104	11.8960
Ca 370.602	76756	76902	76554
Cd 226.502	-3.9804	-3.7975	-3.4216
Co 228.615	458.635	459.096	452.950
Cr 267.716	283.753	284.381	283.968
Cu 324.754	363.714	364.947	363.370
Fe 271.441	537039	536906	536821
K 766.491	7356.72	7357.17	7366.75
Mg 279.078	25487.4	25575.0	25482.1
Mn 257.610	33251.8x	33269.5x	33193.7x
Mo 202.032	31.0087	30.6135	29.5634
Na 330.237	376.162u	315.040u	-1.0789u
Ni 231.604	204.718	207.772	206.530
Pb 220.353	913.967	918.542	907.481
Sb 206.834	-10.5001	-8.4677	-11.9973
Se 196.026	4.1621	-0.7525	2.8934
Sn 189.925	29.4987	31.4820	34.0611
Sr 216.596	175.307	175.453	175.793
Ti 334.941	1269.59	1272.06	1270.19

Label	Replicates Concentration		
Tl 190.794	3.4583u	4.7547u	7.8619u
V 292.401	605.984	607.019	605.276
Zn 206.200	853.873	842.855	846.237

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.6817b	ppb	0.5071	8.9	-408.071
Al 308.215	143639b	ppb	156.059	0.1	964485
As 188.980	567.914b	ppb	9.4176	1.7	374.961
B 249.678	23.4399b	ppb	0.2724	1.2	-815.510
Ba 389.178	3426.57b	ppb	10.9958	0.3	74003.4
Be 313.042	11.8944b	ppb	0.0169	0.1	21324.2
Ca 370.602	76737b	ppb	174.8	0.2	217477
Cd 226.502	-3.7331b	ppb	0.2849	7.6	1841.92
Co 228.615	456.894b	ppb	3.4231	0.7	5441.67
Cr 267.716	284.034b	ppb	0.3190	0.1	16104.6
Cu 324.754	364.010b	ppb	0.8288	0.2	27446.8
Fe 271.441	536922b	ppb	110.186	0.0	845999
K 766.491	7360.21b	ppb	5.6631	0.1	329918
Mg 279.078	25514.8b	ppb	52.1937	0.2	68748.5
Mn 257.610	33238.3xb	ppb	39.6471	0.1	6539039
Mo 202.032	30.3952b	ppb	0.7470	2.5	188.327
Na 330.237	230.041b	ppb	202.475	88.0	-105.152
Ni 231.604	206.340b	ppb	1.5358	0.7	685.008
Pb 220.353	913.330b	ppb	5.5581	0.6	1489.98
Sb 206.834	-10.3217b	ppb	1.7716	17.2	-0.0141
Se 196.026	2.1010b	ppb	2.5513	121.4	14.9628
Sn 189.925	31.6806b	ppb	2.2877	7.2	18.2486
Sr 216.596	175.518b	ppb	0.2494	0.1	2857.80
Ti 334.941	1270.61b	ppb	1.2875	0.1	370413
Tl 190.794	5.3583b	ppb	2.2630	42.2	-55.1190
V 292.401	606.093b	ppb	0.8763	0.1	16014.7
Zn 206.200	847.655b	ppb	5.6444	0.7	905.681

Cont Calib Verif (CCV) **10/18/2014, 1:29:22 AM** **Rack 3, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	496.032	493.848	492.039
Al 308.215	4874.84	4883.13	4874.90
As 188.980	467.080	459.259	469.724
B 249.678	479.473	483.744	486.887
Ba 389.178	5035.47	5036.67	5033.87
Be 313.042	493.565	495.703	493.622
Ca 370.602	4684	4687	4697
Cd 226.502	508.143	509.462	509.505
Co 228.615	490.716	490.855	491.442
Cr 267.716	4925.69	4922.47	4926.10
Cu 324.754	4952.89	4946.78	4942.82
Fe 271.441	4950.29	4961.06	4972.41
K 766.491	9990.00	9982.48	9989.00
Mg 279.078	4845.40	4860.54	4852.40
Mn 257.610	4783.03	4768.11	4791.51
Mo 202.032	489.304	491.621	490.961
Na 330.237	7483.86	7838.99	7742.27

Label	Replicates Concentration		
Ni 231.604	2511.21	2512.84	2512.68
Pb 220.353	506.410	507.631	506.662
Sb 206.834	942.844	947.028	945.095
Se 196.026	4781.89	4784.76	4784.70
Sn 189.925	4910.45	4972.84	4920.76
Sr 216.596	2504.91	2512.51	2508.27
Ti 334.941	494.011	494.545	493.068
Tl 190.794	4931.32	4952.23	4948.71
V 292.401	4751.29	4747.77	4751.78
Zn 206.200	2446.04	2460.59	2469.80

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	493.973	ppb	1.9997	0.4	42096.4	98.79456
Al 308.215	4877.62	ppb	4.7675	0.1	33825.1	97.55246
As 188.980	465.354	ppb	5.4418	1.2	307.841	93.07087
B 249.678	483.368	ppb	3.7215	0.8	8122.30	96.67360
Ba 389.178	5035.34	ppb	1.4061	0.0	108335	100.70674
Be 313.042	494.297	ppb	1.2185	0.2	894406	98.85935
Ca 370.602	4689	ppb	6.686	0.1	13958	93.78457
Cd 226.502	509.037	ppb	0.7744	0.2	21491.8	101.80730
Co 228.615	491.005	ppb	0.3854	0.1	5782.76	98.20091
Cr 267.716	4924.75	ppb	1.9869	0.0	271142	98.49509
Cu 324.754	4947.50	ppb	5.0744	0.1	366847	98.94993
Fe 271.441	4961.25	ppb	11.0564	0.2	7943.68	99.22509
K 766.491	9987.16	ppb	4.0876	0.0	447583	99.87160
Mg 279.078	4852.78	ppb	7.5802	0.2	13135.9	97.05555
Mn 257.610	4780.88	ppb	11.8467	0.2	940396	95.61765
Mo 202.032	490.629	ppb	1.1937	0.2	3359.02	98.12576
Na 330.237	7688.37	ppb	183.599	2.4	311.127	102.51165
Ni 231.604	2512.24	ppb	0.8947	0.0	7850.62	100.48974
Pb 220.353	506.901	ppb	0.6447	0.1	813.074	101.38023
Sb 206.834	944.989	ppb	2.0938	0.2	1394.95	94.49890
Se 196.026	4783.79	ppb	1.6391	0.0	2253.65	95.67574
Sn 189.925	4934.68	ppb	33.4461	0.7	3732.32	98.69366
Sr 216.596	2508.57	ppb	3.8087	0.2	30984.0	100.34261
Ti 334.941	493.875	ppb	0.7481	0.2	143920	98.77493
Tl 190.794	4944.08	ppb	11.1950	0.2	5531.37	98.88168
V 292.401	4750.28	ppb	2.1846	0.0	123774	95.00564
Zn 206.200	2458.81	ppb	11.9835	0.5	2685.85	98.35239

Cont Calib Blank (CCB) **10/18/2014, 1:33:40 AM** **Rack 3, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.1519	-0.1269u	-0.2066u
Al 308.215	-5.3534u	-4.5318u	-4.9990u
As 188.980	-0.5723u	-2.0527u	1.5896
B 249.678	9.1806	7.9711	7.1170
Ba 389.178	1.3994	0.9305	1.4818
Be 313.042	0.0211	0.0113	0.0110
Ca 370.602	7.808	-2.103u	0.8547
Cd 226.502	0.1266	0.1942	0.1434
Co 228.615	0.3636	0.0254	0.3756
Cr 267.716	0.6619	0.7434	0.4922

Label	Replicates Concentration		
Cu 324.754	1.2660	0.5592	0.8328
Fe 271.441	22.0544	16.6637	18.7832
K 766.491	2.3791	2.1024	1.5381
Mg 279.078	1.1914	3.4886	0.7238
Mn 257.610	1.7886	1.6229	1.5136
Mo 202.032	1.1337	0.9857	0.7767
Na 330.237	-41.7263u	142.663	47.3188
Ni 231.604	1.2916	-0.3146u	0.5880
Pb 220.353	-1.2517u	2.3897	0.7411
Sb 206.834	4.4116	6.5515	0.9712
Se 196.026	-0.5381u	1.7304	-3.2005u
Sn 189.925	1.9173	-1.1852u	3.1892
Sr 216.596	0.3539	0.0993	0.4986
Ti 334.941	0.1949	0.1503	0.1130
Tl 190.794	0.6356	3.0442	1.7594
V 292.401	0.4417	0.6125	0.5338
Zn 206.200	3.1172	1.4191	-0.3439u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0606	ppb	0.1883	310.9	-12.0196	-0.06056
Al 308.215	-4.9614	ppb	0.4121	8.3	570.091	-4.96140
As 188.980	-0.3451	ppb	1.8317	530.7	-5.4581	-0.34513
B 249.678	8.0896	ppb	1.0369	12.8	176.885	8.08956
Ba 389.178	1.2706	ppb	0.2974	23.4	-53.2321	1.27057
Be 313.042	0.0145	ppb	0.0057	39.6	-213.789	0.01451
Ca 370.602	2.186	ppb	5.088	232.7	26.56	2.18635
Cd 226.502	0.1547	ppb	0.0352	22.7	16.1100	0.15474
Co 228.615	0.2549	ppb	0.1988	78.0	9.7953	0.25487
Cr 267.716	0.6325	ppb	0.1281	20.3	69.2205	0.63249
Cu 324.754	0.8860	ppb	0.3564	40.2	308.872	0.88601
Fe 271.441	19.1671	ppb	2.7157	14.2	46.2970	19.16708
K 766.491	2.0065	ppb	0.4287	21.4	333.006	2.00654
Mg 279.078	1.8013	ppb	1.4799	82.2	28.3643	1.80128
Mn 257.610	1.6417	ppb	0.1384	8.4	359.214	1.64170
Mo 202.032	0.9654	ppb	0.1793	18.6	13.0002	0.96537
Na 330.237	49.4185	ppb	92.2126	186.6	27.9751	49.41847
Ni 231.604	0.5217	ppb	0.8051	154.3	-4.0029	0.52166
Pb 220.353	0.6264	ppb	1.8234	291.1	10.4751	0.62637
Sb 206.834	3.9781	ppb	2.8153	70.8	0.0185	3.97810
Se 196.026	-0.6694	ppb	2.4681	368.7	0.4534	-0.66941
Sn 189.925	1.3071	ppb	2.2502	172.1	-4.7585	1.30712
Sr 216.596	0.3173	ppb	0.2021	63.7	10.3001	0.31725
Ti 334.941	0.1527	ppb	0.0410	26.9	12.8285	0.15272
Tl 190.794	1.8131	ppb	1.2052	66.5	-5.6628	1.81309
V 292.401	0.5294	ppb	0.0855	16.2	2.3267	0.52936
Zn 206.200	1.3975	ppb	1.7307	123.8	1.7746	1.39749

680-106200-b-33-a (Samp) **10/18/2014, 1:37:58 AM** **Rack 3, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-2.8868u	-2.8462u	-2.9622u
Al 308.215	110146	110152	110055
As 188.980	225.869	223.366	224.713

Label	Replicates Concentration		
B 249.678	28.5158u	28.5547u	27.3976u
Ba 389.178	3279.84	3281.41	3282.81
Be 313.042	16.1825	16.1990	16.2057
Ca 370.602	77990	78317	78926
Cd 226.502	0.8597	1.0821	0.5898
Co 228.615	183.975	185.722	185.253
Cr 267.716	366.472	367.713	369.320
Cu 324.754	221.206	220.864	219.379
Fe 271.441	385141	385655	385723
K 766.491	7521.30	7490.14	7476.77
Mg 279.078	7336.11	7357.45	7377.23
Mn 257.610	29779.9x	29832.3x	30253.1x
Mo 202.032	24.5687	25.4176	25.9640
Na 330.237	679.012u	739.479u	717.149u
Ni 231.604	97.6343	99.3960	98.9473
Pb 220.353	1034.52	1045.26	1051.77
Sb 206.834	-3.7386	3.2699	1.7599
Se 196.026	-6.5766	5.6328	-0.3348
Sn 189.925	78.6409	78.7682	76.5697
Sr 216.596	433.025	436.140	435.828
Ti 334.941	1077.80	1076.95	1077.92
Tl 190.794	1.2308u	1.9324u	-1.5709u
V 292.401	501.503	502.546	505.254
Zn 206.200	1874.76	1880.48	1896.59

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.8984b	ppb	0.0588	2.0	-172.244
Al 308.215	110118b	ppb	54.3853	0.0	739501
As 188.980	224.650b	ppb	1.2530	0.6	144.587
B 249.678	28.1560b	ppb	0.6571	2.3	-382.521
Ba 389.178	3281.35b	ppb	1.4834	0.0	70771.2
Be 313.042	16.1957b	ppb	0.0119	0.1	29107.2
Ca 370.602	78411b	ppb	475.3	0.6	224021
Cd 226.502	0.8438b	ppb	0.2465	29.2	1470.64
Co 228.615	184.983b	ppb	0.9039	0.5	2231.53
Cr 267.716	367.835b	ppb	1.4275	0.4	20626.6
Cu 324.754	220.483b	ppb	0.9713	0.4	16744.8
Fe 271.441	385506b	ppb	318.221	0.1	607409
K 766.491	7496.07b	ppb	22.8505	0.3	336003
Mg 279.078	7356.93b	ppb	20.5665	0.3	19373.4
Mn 257.610	29955.1xb	ppb	259.386	0.9	5892743
Mo 202.032	25.3167b	ppb	0.7031	2.8	160.894
Na 330.237	711.880b	ppb	30.5757	4.3	-73.8748
Ni 231.604	98.6592b	ppb	0.9155	0.9	335.753
Pb 220.353	1043.85b	ppb	8.7138	0.8	1685.58
Sb 206.834	0.4304b	ppb	3.6886	857.0	11.4492
Se 196.026	-0.4262b	ppb	6.1052	1432.5	11.5102
Sn 189.925	77.9929b	ppb	1.2342	1.6	53.3310
Sr 216.596	434.997b	ppb	1.7155	0.4	5887.77
Ti 334.941	1077.56b	ppb	0.5259	0.0	314092
Tl 190.794	0.5307b	ppb	1.8536	349.2	-42.4429
V 292.401	503.101b	ppb	1.9363	0.4	13263.9
Zn 206.200	1883.94b	ppb	11.3192	0.6	2051.23

680-106200-b-59-a (Samp) **10/18/2014, 1:42:16 AM** **Rack 3, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-2.7486u	-3.0313u	-3.0443u
Al 308.215	120063	119930	119937
As 188.980	363.425	368.325	363.499
B 249.678	19.0790u	19.7520u	20.1464u
Ba 389.178	2048.29	2052.36	2053.59
Be 313.042	14.4606	14.4880	14.5049
Ca 370.602	46955	47077	47031
Cd 226.502	-5.9918	-5.7813	-6.0062
Co 228.615	182.133	182.415	180.812
Cr 267.716	675.138	675.227	676.429
Cu 324.754	146.075	146.292	146.191
Fe 271.441	609176	611655	606461
K 766.491	7942.73	7962.95	7972.44
Mg 279.078	10953.6	10969.2	10969.2
Mn 257.610	23091.5	23014.7	23017.6
Mo 202.032	22.1639	23.3175	23.1211
Na 330.237	107.289u	322.644u	574.409u
Ni 231.604	93.8367	91.2379	95.9072
Pb 220.353	573.725	573.392	572.439
Sb 206.834	-11.7825	-9.1405	-6.5473
Se 196.026	-1.1276	-4.7380	9.0244
Sn 189.925	42.4300	36.8407	32.9829
Sr 216.596	210.270	210.910	210.156
Ti 334.941	1245.14	1246.39	1247.48
Tl 190.794	-1.2226u	2.9960u	-4.7714u
V 292.401	727.301	729.910	731.257
Zn 206.200	873.488	863.447	862.236

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.9414	ppb	0.1671	5.7	-243.919
Al 308.215	119976	ppb	74.6339	0.1	805995
As 188.980	365.083	ppb	2.8078	0.8	237.724
B 249.678	19.6591	ppb	0.5397	2.7	-1044.62
Ba 389.178	2051.41	ppb	2.7726	0.1	44419.1
Be 313.042	14.4845	ppb	0.0223	0.2	26007.6
Ca 370.602	47021	ppb	61.74	0.1	130122
Cd 226.502	-5.9265	ppb	0.1259	2.1	2013.58
Co 228.615	181.787	ppb	0.8554	0.5	2214.08
Cr 267.716	675.598	ppb	0.7212	0.1	37642.0
Cu 324.754	146.186	ppb	0.1087	0.1	11333.1
Fe 271.441	609097	ppb	2598.09	0.4	959679
K 766.491	7959.37	ppb	15.1762	0.2	356755
Mg 279.078	10964.0	ppb	8.9983	0.1	29345.6
Mn 257.610	23041.3	ppb	43.4952	0.2	4533555
Mo 202.032	22.8675	ppb	0.6172	2.7	133.287
Na 330.237	334.781	ppb	233.797	69.8	-116.607
Ni 231.604	93.6606	ppb	2.3396	2.5	339.457
Pb 220.353	573.185	ppb	0.6674	0.1	957.011
Sb 206.834	-9.1568	ppb	2.6176	28.6	8.6967
Se 196.026	1.0530	ppb	7.1356	677.7	12.5781
Sn 189.925	37.4179	ppb	4.7499	12.7	22.5946
Sr 216.596	210.445	ppb	0.4069	0.2	3367.80

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1246.34	ppb	1.1684	0.1	363318
Tl 190.794	-0.9993	ppb	3.8885	389.1	-78.3726
V 292.401	729.489	ppb	2.0113	0.3	19247.3
Zn 206.200	866.390	ppb	6.1764	0.7	921.679

680-106200-b-35-a (Samp) **10/18/2014, 1:46:34 AM** **Rack 3, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	-4.1471u	-4.4922u	-3.9464u
Al 308.215	162548	162368	162199
As 188.980	124.730	126.704	122.722
B 249.678	13.4138u	13.3070u	12.6202u
Ba 389.178	1558.02	1556.18	1557.59
Be 313.042	16.0784	16.0318	16.0580
Ca 370.602	32140	32144	32361
Cd 226.502	-2.5810	-2.6991	-3.0369
Co 228.615	144.776	145.539	145.181
Cr 267.716	452.474	452.672	452.740
Cu 324.754	99.8113	98.9494	98.5242
Fe 271.441	350718	350679	350536
K 766.491	6133.39	6128.02	6116.87
Mg 279.078	7094.93	7096.84	7110.08
Mn 257.610	21263.1	21354.4	21524.0
Mo 202.032	13.0520	12.9739	13.7349
Na 330.237	205.660u	237.553u	250.738u
Ni 231.604	104.100	105.489	107.713
Pb 220.353	347.790	350.615	348.399
Sb 206.834	-7.3226	-5.9162	-6.6925
Se 196.026	7.0158	1.5970	-0.5228
Sn 189.925	25.3293	27.0424	23.7804
Sr 216.596	242.719	243.561	242.226
Ti 334.941	642.905	641.910	641.806
Tl 190.794	0.9521u	0.9875u	-0.5408u
V 292.401	449.946	448.878	451.206
Zn 206.200	468.429	467.567	465.026

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.1952	ppb	0.2761	6.6	-315.572
Al 308.215	162371	ppb	174.765	0.1	1089730
As 188.980	124.719	ppb	1.9914	1.6	78.1266
B 249.678	13.1137	ppb	0.4307	3.3	-553.980
Ba 389.178	1557.26	ppb	0.9595	0.1	33638.7
Be 313.042	16.0560	ppb	0.0234	0.1	28846.0
Ca 370.602	32215	ppb	126.4	0.4	90031
Cd 226.502	-2.7723	ppb	0.2366	8.5	1190.66
Co 228.615	145.165	ppb	0.3819	0.3	1752.18
Cr 267.716	452.628	ppb	0.1383	0.0	25234.9
Cu 324.754	99.0950	ppb	0.6558	0.7	7734.10
Fe 271.441	350644	ppb	96.2176	0.0	552479
K 766.491	6126.09	ppb	8.4283	0.1	274640
Mg 279.078	7100.62	ppb	8.2501	0.1	18837.4
Mn 257.610	21380.5	ppb	132.394	0.6	4206192
Mo 202.032	13.2536	ppb	0.4186	3.2	80.0123

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	231.317	ppb	23.1772	10.0	-53.5507
Ni 231.604	105.767	ppb	1.8225	1.7	355.135
Pb 220.353	348.935	ppb	1.4867	0.4	585.397
Sb 206.834	-6.6438	ppb	0.7045	10.6	1.4298
Se 196.026	2.6967	ppb	3.8877	144.2	10.5873
Sn 189.925	25.3841	ppb	1.6317	6.4	13.4794
Sr 216.596	242.835	ppb	0.6752	0.3	3449.00
Ti 334.941	642.207	ppb	0.6070	0.1	187206
Tl 190.794	0.4663	ppb	0.8723	187.1	-42.5394
V 292.401	450.010	ppb	1.1655	0.3	11856.0
Zn 206.200	467.007	ppb	1.7692	0.4	495.583

680-106200-b-34-a (Samp) **10/18/2014, 1:50:52 AM** **Rack 3, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-6.4804u	-6.3478u	-5.7247u
Al 308.215	121439	121548	121306
As 188.980	133.402	134.391	127.371
B 249.678	5.2198u	4.8596u	5.6601u
Ba 389.178	7566.60	7566.23	7554.17
Be 313.042	19.5109	19.5496	19.4907
Ca 370.602	24118	24101	24017
Cd 226.502	-3.1474	-3.5398	-3.4721
Co 228.615	262.165	264.651	262.378
Cr 267.716	342.838	343.204	341.854
Cu 324.754	76.4168	76.8589	76.9364
Fe 271.441	359462	359858	359270
K 766.491	4644.82	4652.13	4660.18
Mg 279.078	5228.43	5229.36	5212.05
Mn 257.610	55642.1x	55323.4x	55435.6x
Mo 202.032	17.5222	17.5822	17.4349
Na 330.237	57.6549u	-63.1746u	-149.405u
Ni 231.604	88.9323	91.3895	88.9352
Pb 220.353	337.676	341.727	341.993
Sb 206.834	-2.0598	-12.6484u	-8.1340
Se 196.026	-10.5549	1.0444	0.2815
Sn 189.925	23.3720	26.9651	23.6390
Sr 216.596	216.682	215.544	215.774
Ti 334.941	559.396	560.630	559.590
Tl 190.794	15.1885u	15.2585u	13.9016u
V 292.401	473.017	474.316	472.009
Zn 206.200	287.232	287.812	286.931

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-6.1843b	ppb	0.4035	6.5	-300.221
Al 308.215	121431b	ppb	121.111	0.1	815295
As 188.980	131.721b	ppb	3.7998	2.9	82.3372
B 249.678	5.2465b	ppb	0.4009	7.6	-706.913
Ba 389.178	7562.33b	ppb	7.0704	0.1	162910
Be 313.042	19.5171b	ppb	0.0299	0.2	35090.9
Ca 370.602	24079b	ppb	53.99	0.2	67203
Cd 226.502	-3.3864b	ppb	0.2097	6.2	1198.89
Co 228.615	263.065b	ppb	1.3779	0.5	3136.21

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	342.632b	ppb	0.6984	0.2	19359.3
Cu 324.754	76.7374b	ppb	0.2803	0.4	6081.04
Fe 271.441	359530b	ppb	300.166	0.1	566493
K 766.491	4652.37b	ppb	7.6859	0.2	208630
Mg 279.078	5223.28b	ppb	9.7345	0.2	13000.2
Mn 257.610	55467.0xb	ppb	161.629	0.3	10910383
Mo 202.032	17.5131b	ppb	0.0740	0.4	108.704
Na 330.237	-51.6416b	ppb	104.011	201.4	-63.9355
Ni 231.604	89.7523b	ppb	1.4179	1.6	305.527
Pb 220.353	340.465b	ppb	2.4194	0.7	580.465
Sb 206.834	-7.6141b	ppb	5.3134	69.8	-0.9895
Se 196.026	-3.0763b	ppb	6.4879	210.9	16.3558
Sn 189.925	24.6587b	ppb	2.0019	8.1	12.9298
Sr 216.596	216.000b	ppb	0.6017	0.3	3125.19
Ti 334.941	559.872b	ppb	0.6635	0.1	163204
Tl 190.794	14.7829b	ppb	0.7640	5.2	-8.7929
V 292.401	473.114b	ppb	1.1567	0.2	12465.8
Zn 206.200	287.325b	ppb	0.4480	0.2	298.059

680-106200-b-20-a (Samp) **10/18/2014, 1:55:10 AM** **Rack 3, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-7.5118u	-7.4333u	-7.3990u
Al 308.215	177074	177423	177537
As 188.980	165.092	165.765	169.453
B 249.678	74.7450	74.9669	73.4046
Ba 389.178	5858.77	5877.95	5880.94
Be 313.042	17.8005	17.8594	17.8995
Ca 370.602	205123	206619	207106
Cd 226.502	-1.7714	-1.7639	-1.9796
Co 228.615	442.424	448.299	446.136
Cr 267.716	276.344	278.210	278.050
Cu 324.754	90.7540	91.4045	92.0404
Fe 271.441	382962	383822	383770
K 766.491	14250.8	14285.7	14258.9
Mg 279.078	30783.2	30937.4	30943.0
Mn 257.610	39549.9x	40071.0x	40016.1x
Mo 202.032	19.5812	19.2247	19.4785
Na 330.237	685.362u	637.585u	563.943u
Ni 231.604	81.4492	79.6250	78.2872
Pb 220.353	665.486	656.154	671.690
Sb 206.834	-11.7771u	-1.8959	-14.3585u
Se 196.026	4.3817	5.0996	-2.6053
Sn 189.925	34.1319	32.0607	29.4577
Sr 216.596	431.140	434.261	436.543
Ti 334.941	1807.20	1814.54	1815.05
Tl 190.794	6.0412u	6.7509u	9.8213u
V 292.401	514.831	519.445	518.705
Zn 206.200	321.148	319.471	323.919

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-7.4480b	ppb	0.0578	0.8	-505.074
Al 308.215	177345b	ppb	241.143	0.1	1190168

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	166.770b	ppb	2.3475	1.4	106.368
B 249.678	74.3722b	ppb	0.8453	1.1	392.321
Ba 389.178	5872.56b	ppb	12.0283	0.2	126583
Be 313.042	17.8531b	ppb	0.0498	0.3	32156.2
Ca 370.602	206283b	ppb	1033	0.5	595522
Cd 226.502	-1.8383b	ppb	0.1224	6.7	1353.74
Co 228.615	445.620b	ppb	2.9711	0.7	5310.69
Cr 267.716	277.535b	ppb	1.0340	0.4	15709.7
Cu 324.754	91.3997b	ppb	0.6432	0.7	7177.55
Fe 271.441	383518b	ppb	481.951	0.1	604309
K 766.491	14265.2b	ppb	18.2658	0.1	639201
Mg 279.078	30887.9b	ppb	90.6622	0.3	83225.1
Mn 257.610	39879.0xb	ppb	286.332	0.7	7844760
Mo 202.032	19.4282b	ppb	0.1835	0.9	120.619
Na 330.237	628.963b	ppb	61.1669	9.7	-41.8973
Ni 231.604	79.7871b	ppb	1.5872	2.0	275.997
Pb 220.353	664.443b	ppb	7.8199	1.2	1088.01
Sb 206.834	-9.3438b	ppb	6.5780	70.4	-3.4850
Se 196.026	2.2920b	ppb	4.2563	185.7	15.2945
Sn 189.925	31.8834b	ppb	2.3421	7.3	18.4028
Sr 216.596	433.982b	ppb	2.7122	0.6	5927.43
Ti 334.941	1812.26b	ppb	4.3920	0.2	528271
Tl 190.794	7.5378b	ppb	2.0091	26.7	-27.9880
V 292.401	517.660b	ppb	2.4782	0.5	13659.5
Zn 206.200	321.513b	ppb	2.2461	0.7	334.715

680-106200-b-36-a (Samp) **10/18/2014, 1:59:28 AM** **Rack 3, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	13.3923	12.8561	12.9419
Al 308.215	58195.2	58122.3	58128.8
As 188.980	186.698	179.108	184.658
B 249.678	30.6867u	31.2159u	32.0183u
Ba 389.178	883.970	883.006	885.047
Be 313.042	5.7539	5.7582	5.7633
Ca 370.602	52434	52138	52149
Cd 226.502	12.2125	12.4576	12.4564
Co 228.615	60.6613	59.2852	59.7650
Cr 267.716	476.885	475.902	475.336
Cu 324.754	666.114	668.655	665.300
Fe 271.441	398134	398675	398105
K 766.491	3822.14	3817.85	3828.54
Mg 279.078	22271.0	22217.3	22220.7
Mn 257.610	8221.01	8226.95	8222.93
Mo 202.032	100.456	101.175	101.019
Na 330.237	899.417u	894.420u	990.178u
Ni 231.604	333.079	336.046	333.921
Pb 220.353	3772.85	3758.93	3753.55
Sb 206.834	16.2311	17.7257	18.7829
Se 196.026	10.2109	5.9247	15.2309
Sn 189.925	221.105	207.611	216.435
Sr 216.596	193.754	194.108	192.950
Ti 334.941	892.094	890.069	892.005

Label	Replicates Concentration		
Tl 190.794	-5.9165u	-3.4644u	-5.5258u
V 292.401	179.432	180.900	180.702
Zn 206.200	3305.81	3306.22	3304.72

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	13.0634	ppb	0.2880	2.2	1077.12
Al 308.215	58148.8	ppb	40.3439	0.1	391115
As 188.980	183.488	ppb	3.9276	2.1	116.213
B 249.678	31.3070	ppb	0.6704	2.1	-362.132
Ba 389.178	884.008	ppb	1.0209	0.1	19192.3
Be 313.042	5.7585	ppb	0.0047	0.1	10182.3
Ca 370.602	52241	ppb	168.0	0.3	147272
Cd 226.502	12.3755	ppb	0.1412	1.1	2008.87
Co 228.615	59.9039	ppb	0.6985	1.2	756.328
Cr 267.716	476.041	ppb	0.7842	0.2	26481.2
Cu 324.754	666.690	ppb	1.7502	0.3	49827.1
Fe 271.441	398305	ppb	320.707	0.1	627555
K 766.491	3822.84	ppb	5.3783	0.1	171474
Mg 279.078	22236.3	ppb	30.1195	0.1	60393.8
Mn 257.610	8223.63	ppb	3.0282	0.0	1618714
Mo 202.032	100.883	ppb	0.3784	0.4	677.840
Na 330.237	928.005	ppb	53.9014	5.8	-100.543
Ni 231.604	334.349	ppb	1.5288	0.5	1074.38
Pb 220.353	3761.78	ppb	9.9579	0.3	5968.04
Sb 206.834	17.5799	ppb	1.2821	7.3	36.3004
Se 196.026	10.4555	ppb	4.6580	44.6	11.4369
Sn 189.925	215.050	ppb	6.8524	3.2	157.153
Sr 216.596	193.604	ppb	0.5932	0.3	2899.30
Ti 334.941	891.390	ppb	1.1442	0.1	259859
Tl 190.794	-4.9689	ppb	1.3175	26.5	-63.5447
V 292.401	180.345	ppb	0.7963	0.4	4819.06
Zn 206.200	3305.58	ppb	0.7766	0.0	3612.37

680-106200-b-23-a (Samp) **10/18/2014, 2:03:46 AM** **Rack 3, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	0.0282	0.7301	-0.5083u
Al 308.215	94443.4	94355.7	94392.1
As 188.980	214.110	216.204	219.590
B 249.678	30.2534u	28.8304u	29.6592u
Ba 389.178	3068.12	3064.14	3066.58
Be 313.042	10.0925	10.0805	10.0893
Ca 370.602	47734	47957	47885
Cd 226.502	6.6906	6.3527	6.0578
Co 228.615	116.229	116.447	116.573
Cr 267.716	344.667	344.892	344.935
Cu 324.754	404.471	399.557	399.269
Fe 271.441	363084	363108	362828
K 766.491	5767.27	5767.82	5757.19
Mg 279.078	14560.0	14563.4	14562.7
Mn 257.610	16164.8	16287.2	16301.1
Mo 202.032	20.2279	20.9270	20.8863
Na 330.237	1442.06u	1180.30u	1588.69u

Label	Replicates Concentration		
Ni 231.604	125.776	124.560	128.377
Pb 220.353	2052.44	2062.88	2066.69
Sb 206.834	1.2475	5.4418	-0.0663
Se 196.026	-1.0900	2.9017	1.0991
Sn 189.925	164.657	158.065	162.204
Sr 216.596	278.875	279.811	280.773
Ti 334.941	1481.75	1482.32	1481.37
Tl 190.794	-0.9659u	5.5545u	1.9898u
V 292.401	435.762	436.600	437.061
Zn 206.200	4248.55	4248.03	4263.87

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0833	ppb	0.6211	745.3	17.9615
Al 308.215	94397.1	ppb	44.0617	0.0	634074
As 188.980	216.635	ppb	2.7653	1.3	139.169
B 249.678	29.5810	ppb	0.7147	2.4	-309.372
Ba 389.178	3066.28	ppb	2.0060	0.1	66140.1
Be 313.042	10.0874	ppb	0.0062	0.1	18043.3
Ca 370.602	47859	ppb	114.0	0.2	135486
Cd 226.502	6.3670	ppb	0.3166	5.0	1625.11
Co 228.615	116.417	ppb	0.1740	0.1	1433.10
Cr 267.716	344.831	ppb	0.1438	0.0	19281.4
Cu 324.754	401.099	ppb	2.9242	0.7	30121.6
Fe 271.441	363007	ppb	154.898	0.0	571952
K 766.491	5764.09	ppb	5.9854	0.1	258426
Mg 279.078	14562.0	ppb	1.7686	0.0	39297.7
Mn 257.610	16251.0	ppb	74.9793	0.5	3197406
Mo 202.032	20.6804	ppb	0.3924	1.9	130.235
Na 330.237	1403.69	ppb	206.884	14.7	-94.9953
Ni 231.604	126.237	ppb	1.9501	1.5	420.339
Pb 220.353	2060.67	ppb	7.3779	0.4	3284.50
Sb 206.834	2.2076	ppb	2.8769	130.3	13.1392
Se 196.026	0.9702	ppb	1.9990	206.0	8.6584
Sn 189.925	161.642	ppb	3.3315	2.1	116.696
Sr 216.596	279.820	ppb	0.9488	0.3	3928.89
Ti 334.941	1481.81	ppb	0.4754	0.0	431924
Tl 190.794	2.1928	ppb	3.2650	148.9	-45.3055
V 292.401	436.474	ppb	0.6584	0.2	11524.0
Zn 206.200	4253.48	ppb	9.0009	0.2	4656.02

mb 680-354062/1-a (Samp) **10/18/2014, 2:08:05 AM** **Rack 3, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	0.0533	-0.3857u	-0.1850u
Al 308.215	8.2969	7.7752	5.6905
As 188.980	-5.5203u	-4.8466u	-4.3045u
B 249.678	2.4561	1.7556	2.3580
Ba 389.178	0.3414	0.9857	0.2403
Be 313.042	-0.0311u	-0.0325u	-0.0381u
Ca 370.602	29.50	23.50	25.36
Cd 226.502	0.3399	0.1335	0.2105
Co 228.615	-0.4118u	-0.1912u	-0.3316u
Cr 267.716	1.4042	1.3282	1.5150

Label	Replicates Concentration		
Cu 324.754	0.3026	0.3829	0.7279
Fe 271.441	51.9860	47.8424	47.7590
K 766.491	18.0280	18.1233	18.5300
Mg 279.078	10.8790	8.1893	12.2744
Mn 257.610	1.7002	1.4255	1.2880
Mo 202.032	0.4123	0.0613	-0.3938u
Na 330.237	223.451	94.6955	194.985
Ni 231.604	-0.8353u	0.4308	-0.5565u
Pb 220.353	0.6802	1.2315	1.7882
Sb 206.834	4.3839	3.5424	2.8420
Se 196.026	-0.0388u	0.7301	-5.1705u
Sn 189.925	17.0888	19.6987	20.4477
Sr 216.596	-0.1428u	0.1252	0.3570
Ti 334.941	0.6572	0.5882	0.5309
Tl 190.794	-3.4166u	-1.9603u	-0.3924u
V 292.401	-0.2115u	0.0575	-0.2083u
Zn 206.200	5.2332	6.4241	5.9190

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1725	ppb	0.2198	127.4	-21.5564
Al 308.215	7.2542	ppb	1.3791	19.0	651.925
As 188.980	-4.8904	ppb	0.6091	12.5	-8.5170
B 249.678	2.1899	ppb	0.3793	17.3	78.1865
Ba 389.178	0.5225	ppb	0.4044	77.4	-69.3128
Be 313.042	-0.0339	ppb	0.0037	11.0	-301.238
Ca 370.602	26.12	ppb	3.070	11.8	95.79
Cd 226.502	0.2280	ppb	0.1043	45.8	19.3156
Co 228.615	-0.3115	ppb	0.1117	35.8	3.1678
Cr 267.716	1.4158	ppb	0.0940	6.6	112.365
Cu 324.754	0.4711	ppb	0.2260	48.0	278.106
Fe 271.441	49.1958	ppb	2.4167	4.9	93.5119
K 766.491	18.2271	ppb	0.2666	1.5	1059.55
Mg 279.078	10.4476	ppb	2.0764	19.9	51.9163
Mn 257.610	1.4712	ppb	0.2098	14.3	325.839
Mo 202.032	0.0266	ppb	0.4042	1520.2	6.5735
Na 330.237	171.044	ppb	67.6340	39.5	33.3148
Ni 231.604	-0.3203	ppb	0.6653	207.7	-6.6316
Pb 220.353	1.2333	ppb	0.5540	44.9	11.4361
Sb 206.834	3.5894	ppb	0.7720	21.5	-0.5032
Se 196.026	-1.4931	ppb	3.2079	214.9	0.0660
Sn 189.925	19.0784	ppb	1.7633	9.2	8.7034
Sr 216.596	0.1131	ppb	0.2501	221.1	7.8573
Ti 334.941	0.5921	ppb	0.0632	10.7	140.903
Tl 190.794	-1.9231	ppb	1.5124	78.6	-9.8453
V 292.401	-0.1208	ppb	0.1544	127.8	-14.5125
Zn 206.200	5.8588	ppb	0.5978	10.2	6.6728

lcs 680-354062/2-a (Samp) **10/18/2014, 2:12:23 AM** **Rack 3, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	49.9143	49.3759	49.2490
Al 308.215	4841.22	4846.68	4833.03
As 188.980	96.6823	93.6084	94.6058

Label	Replicates Concentration		
B 249.678	186.004	187.955	188.370
Ba 389.178	100.622	101.643	101.357
Be 313.042	50.0291	50.0888	50.0674
Ca 370.602	4718	4741	4755
Cd 226.502	51.7663	51.5233	51.5435
Co 228.615	49.7412	49.4841	49.3153
Cr 267.716	100.864	100.968	100.795
Cu 324.754	99.7453	99.3303	100.829
Fe 271.441	4937.17	4969.01	4959.14
K 766.491	4993.39	5007.35	4997.14
Mg 279.078	4821.65	4832.40	4821.83
Mn 257.610	496.013	498.334	499.351
Mo 202.032	98.7428	97.7521	98.2546
Na 330.237	4914.66	4959.94	5003.63
Ni 231.604	100.739	100.843	99.0800
Pb 220.353	511.722	507.718	503.695
Sb 206.834	50.4477	49.9418	50.1925
Se 196.026	92.4213	94.9250	98.8569
Sn 189.925	202.114	206.259	207.446
Sr 216.596	99.7220	100.198	99.5461
Ti 334.941	100.876	101.053	101.011
Tl 190.794	35.4535	40.5689	38.5152
V 292.401	95.9763	95.9539	96.2781
Zn 206.200	105.292	99.7648	102.178

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.5130	ppb	0.3532	0.7	4217.10
Al 308.215	4840.31	ppb	6.8709	0.1	33074.8
As 188.980	94.9655	ppb	1.5682	1.7	58.6781
B 249.678	187.443	ppb	1.2632	0.7	3163.41
Ba 389.178	101.207	ppb	0.5268	0.5	2107.94
Be 313.042	50.0618	ppb	0.0303	0.1	90340.7
Ca 370.602	4738	ppb	18.59	0.4	13761
Cd 226.502	51.6110	ppb	0.1348	0.3	2204.11
Co 228.615	49.5136	ppb	0.2144	0.4	588.546
Cr 267.716	100.876	ppb	0.0869	0.1	5591.95
Cu 324.754	99.9683	ppb	0.7740	0.8	7656.55
Fe 271.441	4955.11	ppb	16.2983	0.3	7830.01
K 766.491	4999.30	ppb	7.2232	0.1	224169
Mg 279.078	4825.29	ppb	6.1561	0.1	13155.1
Mn 257.610	497.899	ppb	1.7109	0.3	98011.4
Mo 202.032	98.2499	ppb	0.4954	0.5	678.555
Na 330.237	4959.41	ppb	44.4850	0.9	244.597
Ni 231.604	100.221	ppb	0.9892	1.0	308.111
Pb 220.353	507.712	ppb	4.0133	0.8	810.235
Sb 206.834	50.1940	ppb	0.2529	0.5	65.6947
Se 196.026	95.4011	ppb	3.2441	3.4	45.8401
Sn 189.925	205.273	ppb	2.7995	1.4	149.749
Sr 216.596	99.8220	ppb	0.3372	0.3	1245.73
Ti 334.941	100.980	ppb	0.0924	0.1	29408.5
Tl 190.794	38.1792	ppb	2.5742	6.7	34.5676
V 292.401	96.0694	ppb	0.1811	0.2	2480.66
Zn 206.200	102.412	ppb	2.7712	2.7	112.219

lcsd 680-354062/3-a (Samp) **10/18/2014, 2:16:41 AM** **Rack 3, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	51.2507	51.1477	51.5176
Al 308.215	5014.54	5000.19	5027.14
As 188.980	96.6503	99.9402	95.6213
B 249.678	196.271	195.051	196.384
Ba 389.178	104.841	104.457	104.508
Be 313.042	51.9299	51.6940	52.0595
Ca 370.602	4911	4880	4900
Cd 226.502	53.4919	53.3791	53.5812
Co 228.615	51.1043	50.4190	51.4381
Cr 267.716	104.076	103.936	104.535
Cu 324.754	103.704	104.500	103.893
Fe 271.441	5197.42	5159.59	5200.49
K 766.491	5187.18	5173.28	5193.50
Mg 279.078	4983.40	4961.98	4989.41
Mn 257.610	513.494	510.755	512.461
Mo 202.032	101.757	100.471	101.605
Na 330.237	5143.09	5011.84	4795.16
Ni 231.604	103.493	101.344	104.168
Pb 220.353	527.000	521.375	529.299
Sb 206.834	53.3561	51.1869	48.1924
Se 196.026	103.787	100.558	97.8619
Sn 189.925	208.198	209.821	207.958
Sr 216.596	103.483	102.869	103.196
Ti 334.941	104.216	103.977	104.531
Tl 190.794	42.8434	40.6238	38.4645
V 292.401	99.8077	100.015	99.6873
Zn 206.200	107.841	103.179	104.314

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.3053	ppb	0.1909	0.4	4369.99
Al 308.215	5013.96	ppb	13.4864	0.3	34239.8
As 188.980	97.4039	ppb	2.2559	2.3	60.3187
B 249.678	195.902	ppb	0.7395	0.4	3304.24
Ba 389.178	104.602	ppb	0.2089	0.2	2181.39
Be 313.042	51.8945	ppb	0.1853	0.4	93656.9
Ca 370.602	4897	ppb	15.80	0.3	14222
Cd 226.502	53.4841	ppb	0.1013	0.2	2283.96
Co 228.615	50.9871	ppb	0.5196	1.0	605.873
Cr 267.716	104.182	ppb	0.3137	0.3	5774.16
Cu 324.754	104.032	ppb	0.4158	0.4	7957.91
Fe 271.441	5185.83	ppb	22.7782	0.4	8193.77
K 766.491	5184.65	ppb	10.3440	0.2	232471
Mg 279.078	4978.26	ppb	14.4227	0.3	13571.4
Mn 257.610	512.236	ppb	1.3833	0.3	100833
Mo 202.032	101.278	ppb	0.7027	0.7	699.265
Na 330.237	4983.36	ppb	175.704	3.5	245.541
Ni 231.604	103.002	ppb	1.4748	1.4	316.826
Pb 220.353	525.891	ppb	4.0766	0.8	838.912
Sb 206.834	50.9118	ppb	2.5928	5.1	66.7176
Se 196.026	100.736	ppb	2.9664	2.9	48.3573
Sn 189.925	208.659	ppb	1.0134	0.5	152.314
Sr 216.596	103.183	ppb	0.3070	0.3	1287.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	104.241	ppb	0.2779	0.3	30359.3
Tl 190.794	40.6439	ppb	2.1895	5.4	37.3018
V 292.401	99.8366	ppb	0.1657	0.2	2578.56
Zn 206.200	105.111	ppb	2.4312	2.3	115.163

Cont Calib Verif (CCV) **10/18/2014, 2:20:59 AM** **Rack 3, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	500.070	499.861	501.443
Al 308.215	4876.48	4860.15	4880.88
As 188.980	456.459	462.487	462.490
B 249.678	487.946	487.489	492.684
Ba 389.178	5047.21	5036.90	5069.39
Be 313.042	496.985	495.442	497.134
Ca 370.602	4807	4795	4828
Cd 226.502	507.758	506.173	507.926
Co 228.615	497.464	495.263	496.656
Cr 267.716	4979.95	4961.28	4984.56
Cu 324.754	5021.08	5063.51	4960.24
Fe 271.441	4949.11	4930.38	4954.76
K 766.491	10033.1	9982.75	10062.0
Mg 279.078	4890.72	4879.08	4895.73
Mn 257.610	4925.25	4914.11	4912.97
Mo 202.032	492.948	492.014	494.261
Na 330.237	7729.73	7721.79	7645.02
Ni 231.604	2531.20	2525.45	2530.13
Pb 220.353	505.918	505.032	509.641
Sb 206.834	945.596	944.882	947.235
Se 196.026	4805.41	4797.06	4827.76
Sn 189.925	5031.04	4957.99	4975.74
Sr 216.596	2518.61	2514.05	2522.25
Ti 334.941	495.587	494.018	496.780
Tl 190.794	5007.04	5006.05	5003.87
V 292.401	4835.47	4818.09	4841.66
Zn 206.200	2482.29	2476.26	2477.98

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	500.458	ppb	0.8598	0.2	42651.5	100.09160
Al 308.215	4872.50	ppb	10.9238	0.2	33792.8	97.45008
As 188.980	460.478	ppb	3.4809	0.8	304.560	92.09570
B 249.678	489.373	ppb	2.8768	0.6	8222.77	97.87458
Ba 389.178	5051.17	ppb	16.6001	0.3	108676	101.02339
Be 313.042	496.520	ppb	0.9366	0.2	898431	99.30405
Ca 370.602	4810	ppb	16.74	0.3	14309	96.19793
Cd 226.502	507.285	ppb	0.9673	0.2	21417.9	101.45705
Co 228.615	496.461	ppb	1.1136	0.2	5846.92	99.29223
Cr 267.716	4975.27	ppb	12.3273	0.2	273923	99.50533
Cu 324.754	5014.94	ppb	51.9098	1.0	371845	100.29885
Fe 271.441	4944.75	ppb	12.7642	0.3	7917.98	98.89501
K 766.491	10025.9	ppb	40.0840	0.4	449320	100.25941
Mg 279.078	4888.51	ppb	8.5412	0.2	13232.7	97.77022
Mn 257.610	4917.44	ppb	6.7823	0.1	967254	98.34885
Mo 202.032	493.074	ppb	1.1292	0.2	3375.74	98.61488

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	7698.85	ppb	46.7789	0.6	311.328	102.65128
Ni 231.604	2528.93	ppb	3.0616	0.1	7902.79	101.15708
Pb 220.353	506.863	ppb	2.4458	0.5	813.015	101.37267
Sb 206.834	945.904	ppb	1.2063	0.1	1396.22	94.59042
Se 196.026	4810.08	ppb	15.8703	0.3	2266.03	96.20152
Sn 189.925	4988.26	ppb	38.1009	0.8	3772.90	99.76511
Sr 216.596	2518.30	ppb	4.1100	0.2	31104.3	100.73213
Ti 334.941	495.462	ppb	1.3857	0.3	144382	99.09233
Tl 190.794	5005.66	ppb	1.6227	0.0	5600.30	100.11314
V 292.401	4831.74	ppb	12.2220	0.3	125902	96.63480
Zn 206.200	2478.85	ppb	3.1065	0.1	2707.89	99.15384

Cont Calib Blank (CCB) **10/18/2014, 2:25:18 AM** **Rack 3, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	-0.3472u	-0.0108u	0.0123
Al 308.215	-4.4518u	-5.0104u	-5.5454u
As 188.980	-2.8069u	0.6631	-1.6651u
B 249.678	9.4675	8.8580	7.8544
Ba 389.178	0.9019	0.2481	0.8930
Be 313.042	0.0255	0.0220	0.0169
Ca 370.602	6.239	2.220	-0.9827u
Cd 226.502	0.2366	0.2380	0.2209
Co 228.615	0.0842	-0.1163u	-0.1064u
Cr 267.716	0.6517	0.5495	0.5916
Cu 324.754	0.3736	0.3122	0.8191
Fe 271.441	0.7856	5.3914	0.3876
K 766.491	1.8591	1.5143	1.2365
Mg 279.078	0.3734	1.2530	0.8893
Mn 257.610	0.6795	0.7557	0.5883
Mo 202.032	0.4895	0.6540	0.6339
Na 330.237	56.2162	11.6665	-140.458u
Ni 231.604	-0.9109u	0.8219	0.0440
Pb 220.353	0.0865	-2.9903u	3.3594
Sb 206.834	7.6077	4.8648	3.9316
Se 196.026	3.8036	1.1773	-4.5300u
Sn 189.925	0.7170	-1.6087u	0.9141
Sr 216.596	0.3088	0.3479	0.1244
Ti 334.941	0.0941	0.0755	0.0859
Tl 190.794	2.5274	0.7235	3.2503
V 292.401	0.5064	0.3541	0.2106
Zn 206.200	1.1038	2.2267	1.8368

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1152	ppb	0.2012	174.6	-16.6672	-0.11523
Al 308.215	-5.0025	ppb	0.5468	10.9	569.749	-5.00252
As 188.980	-1.2697	ppb	1.7685	139.3	-6.0801	-1.26965
B 249.678	8.7266	ppb	0.8145	9.3	187.592	8.72664
Ba 389.178	0.6810	ppb	0.3749	55.1	-65.9363	0.68100
Be 313.042	0.0215	ppb	0.0043	20.0	-201.148	0.02146
Ca 370.602	2.492	ppb	3.619	145.2	27.63	2.49211
Cd 226.502	0.2319	ppb	0.0095	4.1	19.2915	0.23185
Co 228.615	-0.0461	ppb	0.1130	244.9	6.2676	-0.04613

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	0.5976	ppb	0.0514	8.6	67.2813	0.59757
Cu 324.754	0.5016	ppb	0.2766	55.1	280.362	0.50163
Fe 271.441	2.1882	ppb	2.7812	127.1	19.4912	2.18821
K 766.491	1.5367	ppb	0.3119	20.3	311.959	1.53665
Mg 279.078	0.8386	ppb	0.4420	52.7	25.7634	0.83858
Mn 257.610	0.6745	ppb	0.0838	12.4	168.936	0.67453
Mo 202.032	0.5925	ppb	0.0897	15.1	10.4487	0.59246
Na 330.237	-24.1917	ppb	103.124	426.3	24.6698	-24.19170
Ni 231.604	-0.0150	ppb	0.8679	5784.1	-5.6818	-0.01500
Pb 220.353	0.1519	ppb	3.1753	2091.0	9.7262	0.15185
Sb 206.834	5.4680	ppb	1.9108	34.9	2.1516	5.46801
Se 196.026	0.1503	ppb	4.2607	2834.2	0.8388	0.15033
Sn 189.925	0.0075	ppb	1.4031	18750.1	-5.7430	0.00748
Sr 216.596	0.2604	ppb	0.1194	45.8	9.5940	0.26039
Ti 334.941	0.0852	ppb	0.0094	11.0	-6.8548	0.08518
Tl 190.794	2.1671	ppb	1.3014	60.1	-5.2649	2.16709
V 292.401	0.3570	ppb	0.1479	41.4	-2.1116	0.35703
Zn 206.200	1.7224	ppb	0.5701	33.1	2.1328	1.72243

680-106225-a-6-d (Samp) **10/18/2014, 2:29:36 AM** **Rack 3, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	0.1472	0.2765	0.1121
Al 308.215	1348.60	1345.14	1347.83
As 188.980	12.0911	14.3183	11.0829
B 249.678	24.5544	24.2173	24.6356
Ba 389.178	371.414	371.026	371.617
Be 313.042	0.1261	0.1212	0.1218
Ca 370.602	2647	2646	2640
Cd 226.502	7.8530	7.7828	7.7315
Co 228.615	0.6911	1.0255	0.8047
Cr 267.716	18.4849	18.4265	18.4309
Cu 324.754	564.903	565.411	569.649
Fe 271.441	6360.25	6349.38	6336.20
K 766.491	188.814	188.042	188.474
Mg 279.078	343.066	344.909	344.672
Mn 257.610	40.5542	40.3802	40.2803
Mo 202.032	2.7810	2.6216	2.8033
Na 330.237	237.967u	353.446u	413.016u
Ni 231.604	25.7118	26.9086	26.7571
Pb 220.353	270.599	265.800	272.260
Sb 206.834	0.8331	2.2099	2.8834
Se 196.026	2.2173	-0.2746u	0.9312
Sn 189.925	27.8269	26.0802	25.0270
Sr 216.596	25.5619	25.7491	25.0987
Ti 334.941	32.7436	32.7572	32.6321
Tl 190.794	-1.1611u	1.6624	-1.6366u
V 292.401	35.9786	36.1235	36.1578
Zn 206.200	784.217	776.198	784.331

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1786	ppb	0.0866	48.5	6.7204
Al 308.215	1347.19	ppb	1.8125	0.1	9648.86

E10172014.wvq. All Data Report 10/18/2014, 10:20:45 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	12.4974	ppb	1.6555	13.2	3.1573
B 249.678	24.4691	ppb	0.2218	0.9	435.927
Ba 389.178	371.352	ppb	0.3000	0.1	7917.27
Be 313.042	0.1230	ppb	0.0027	2.2	-14.9337
Ca 370.602	2644	ppb	3.322	0.1	7628
Cd 226.502	7.7891	ppb	0.0610	0.8	361.371
Co 228.615	0.8405	ppb	0.1700	20.2	17.8074
Cr 267.716	18.4475	ppb	0.0325	0.2	1052.91
Cu 324.754	566.654	ppb	2.6056	0.5	42239.8
Fe 271.441	6348.61	ppb	12.0443	0.2	10018.7
K 766.491	188.443	ppb	0.3871	0.2	8683.80
Mg 279.078	344.216	ppb	1.0025	0.3	959.774
Mn 257.610	40.4049	ppb	0.1386	0.3	8002.77
Mo 202.032	2.7353	ppb	0.0991	3.6	24.7772
Na 330.237	334.810	ppb	89.0003	26.6	21.0187
Ni 231.604	26.4592	ppb	0.6517	2.5	77.6626
Pb 220.353	269.553	ppb	3.3543	1.2	434.893
Sb 206.834	1.9755	ppb	1.0451	52.9	-2.4528
Se 196.026	0.9580	ppb	1.2462	130.1	1.2872
Sn 189.925	26.3114	ppb	1.4142	5.4	14.1824
Sr 216.596	25.4699	ppb	0.3348	1.3	329.584
Ti 334.941	32.7110	ppb	0.0686	0.2	9503.54
Tl 190.794	-0.3785	ppb	1.7833	471.2	-8.9067
V 292.401	36.0866	ppb	0.0951	0.3	932.781
Zn 206.200	781.582	ppb	4.6630	0.6	858.715

680-106225-a-6-dSD (Samp) **10/18/2014, 2:33:54 AM** **Rack 3, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	0.0998	-0.1519u	-0.2379u
Al 308.215	299.303	290.773	287.845
As 188.980	-2.8011u	1.0973	2.7138
B 249.678	6.8727	6.5894	6.2214
Ba 389.178	83.0326	80.9118	79.4677
Be 313.042	0.0027	0.0057	-0.0013u
Ca 370.602	585.2	575.9	562.7
Cd 226.502	1.8183	1.7420	1.8639
Co 228.615	-0.2001u	0.4315	0.2489
Cr 267.716	4.1319	4.1624	3.9129
Cu 324.754	122.164	117.994	117.584
Fe 271.441	1423.50	1387.66	1374.02
K 766.491	43.2091	43.1307	41.7019
Mg 279.078	82.0328	78.5294	76.6999
Mn 257.610	8.9925	8.7914	8.6103
Mo 202.032	0.6738	0.8340	1.0936
Na 330.237	307.846	123.462	163.722
Ni 231.604	5.6371	5.6769	6.4655
Pb 220.353	58.4902	60.1452	58.6207
Sb 206.834	6.9628	3.3996	3.4556
Se 196.026	-1.8942u	0.0459	-1.7135u
Sn 189.925	4.2754	3.3221	6.4668
Sr 216.596	6.0284	5.7212	5.4181
Ti 334.941	7.2784	7.0711	6.9458

Label	Replicates Concentration		
Tl 190.794	-0.5203u	-0.5426u	0.2029
V 292.401	7.5731	7.4677	7.5220
Zn 206.200	170.533	170.925	168.996

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0967	ppb	0.1755	181.5	-15.4583
Al 308.215	292.640	ppb	5.9530	2.0	2568.15
As 188.980	0.3367	ppb	2.8351	842.0	-5.0051
B 249.678	6.5611	ppb	0.3266	5.0	148.158
Ba 389.178	81.1374	ppb	1.7931	2.2	1666.88
Be 313.042	0.0023	ppb	0.0035	150.1	-235.259
Ca 370.602	574.6	ppb	11.32	2.0	1673
Cd 226.502	1.8080	ppb	0.0616	3.4	90.8990
Co 228.615	0.1601	ppb	0.3251	203.1	8.9358
Cr 267.716	4.0691	ppb	0.1361	3.3	259.047
Cu 324.754	119.247	ppb	2.5346	2.1	9081.02
Fe 271.441	1395.06	ppb	25.5580	1.8	2214.08
K 766.491	42.6806	ppb	0.8485	2.0	2154.86
Mg 279.078	79.0874	ppb	2.7099	3.4	238.627
Mn 257.610	8.7981	ppb	0.1912	2.2	1771.01
Mo 202.032	0.8671	ppb	0.2119	24.4	12.2550
Na 330.237	198.343	ppb	96.9448	48.9	30.3602
Ni 231.604	5.9265	ppb	0.4672	7.9	13.0196
Pb 220.353	59.0854	ppb	0.9202	1.6	102.735
Sb 206.834	4.6060	ppb	2.0412	44.3	1.0006
Se 196.026	-1.1872	ppb	1.0718	90.3	0.2241
Sn 189.925	4.6881	ppb	1.6125	34.4	-2.1974
Sr 216.596	5.7225	ppb	0.3051	5.3	78.9640
Ti 334.941	7.0984	ppb	0.1680	2.4	2037.51
Tl 190.794	-0.2867	ppb	0.4242	148.0	-8.1839
V 292.401	7.5209	ppb	0.0527	0.7	185.398
Zn 206.200	170.152	ppb	1.0193	0.6	187.132

680-106225-a-6-dPDS (Samp) **10/18/2014, 2:38:12 AM** **Rack 3, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	98.1088	98.0903	98.2210
Al 308.215	2299.22	2303.33	2297.89
As 188.980	107.986	113.734	112.271
B 249.678	210.852	212.165	213.051
Ba 389.178	452.008	452.388	452.054
Be 313.042	100.689	100.903	100.870
Ca 370.602	12117	12135	12157
Cd 226.502	105.548	105.928	105.494
Co 228.615	97.5123	98.6053	98.3361
Cr 267.716	117.832	118.060	118.152
Cu 324.754	659.949	661.137	655.918
Fe 271.441	16108.9	16141.4	16143.8
K 766.491	9602.98	9618.79	9605.05
Mg 279.078	9709.65	9713.56	9692.13
Mn 257.610	1036.07	1037.08	1037.27
Mo 202.032	99.7395	99.7701	100.425
Na 330.237	8500.94	8532.66	8464.57

Label	Replicates Concentration		
Ni 231.604	123.260	123.966	123.740
Pb 220.353	369.836	367.266	368.537
Sb 206.834	97.1761	102.790	99.3026
Se 196.026	89.9344	95.6909	93.6804
Sn 189.925	126.471	123.453	124.409
Sr 216.596	122.115	123.475	122.838
Ti 334.941	131.573	131.877	131.803
Tl 190.794	15.6009	17.1222	18.3768
V 292.401	131.681	132.199	132.207
Zn 206.200	872.986	874.114	869.289

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	98.1400	ppb	0.0707	0.1	8367.10
Al 308.215	2300.15	ppb	2.8381	0.1	16068.6
As 188.980	111.331	ppb	2.9871	2.7	69.5907
B 249.678	212.023	ppb	1.1061	0.5	3549.03
Ba 389.178	452.150	ppb	0.2076	0.0	9675.18
Be 313.042	100.821	ppb	0.1155	0.1	182195
Ca 370.602	12136	ppb	19.90	0.2	35112
Cd 226.502	105.657	ppb	0.2365	0.2	4524.23
Co 228.615	98.1512	ppb	0.5695	0.6	1161.68
Cr 267.716	118.015	ppb	0.1645	0.1	6542.83
Cu 324.754	659.001	ppb	2.7352	0.4	49090.4
Fe 271.441	16131.4	ppb	19.4814	0.1	25444.5
K 766.491	9608.94	ppb	8.5918	0.1	430642
Mg 279.078	9705.12	ppb	11.4102	0.1	26437.5
Mn 257.610	1036.81	ppb	0.6424	0.1	204069
Mo 202.032	99.9783	ppb	0.3874	0.4	689.820
Na 330.237	8499.39	ppb	34.0725	0.4	382.851
Ni 231.604	123.656	ppb	0.3605	0.3	382.243
Pb 220.353	368.546	ppb	1.2848	0.3	591.690
Sb 206.834	99.7562	ppb	2.8342	2.8	137.038
Se 196.026	93.1019	ppb	2.9215	3.1	44.9905
Sn 189.925	124.778	ppb	1.5425	1.2	88.7745
Sr 216.596	122.809	ppb	0.6805	0.6	1546.10
Ti 334.941	131.751	ppb	0.1590	0.1	38386.6
Tl 190.794	17.0333	ppb	1.3901	8.2	9.8831
V 292.401	132.029	ppb	0.3014	0.2	3423.54
Zn 206.200	872.130	ppb	2.5240	0.3	957.437

X (Samp) **10/18/2014, 2:42:31 AM** **Rack 3, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	10.8167	10.7418	10.9046
Al 308.215	201.802	203.097	202.242
As 188.980	17.2508	17.8318	19.9114
B 249.678	105.605	105.997	106.205
Ba 389.178	11.4760	10.2335	11.6605
Be 313.042	4.2377	4.2392	4.2472
Ca 370.602	516.8	511.2	516.2
Cd 226.502	5.6283	5.6441	5.6522
Co 228.615	10.2161	9.7273	10.6550
Cr 267.716	10.6688	10.5491	10.6152

Label	Replicates Concentration		
Cu 324.754	21.7701	22.1627	22.1584
Fe 271.441	59.1842	61.6220	55.0724
K 766.491	1079.86	1084.84	1082.33
Mg 279.078	518.933	513.399	520.606
Mn 257.610	11.0397	11.0632	11.1542
Mo 202.032	10.4204	9.9356	11.0166
Na 330.237	1058.39	1184.35	1122.51
Ni 231.604	41.0943	43.1985	42.9914
Pb 220.353	13.1285	14.5977	11.4649
Sb 206.834	20.6997	23.4975	24.1814
Se 196.026	22.2926	16.6843	17.4045
Sn 189.925	51.4229	51.2147	49.7883
Sr 216.596	10.8265	10.4629	10.4506
Ti 334.941	10.6367	10.5833	10.6198
Tl 190.794	23.7636	22.9193	23.1324
V 292.401	10.2241	9.9624	9.8689
Zn 206.200	23.5490	22.6566	23.0629

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.8210	ppb	0.0815	0.8	916.340
Al 308.215	202.381	ppb	0.6585	0.3	1961.56
As 188.980	18.3313	ppb	1.3988	7.6	7.1107
B 249.678	105.935	ppb	0.3048	0.3	1812.25
Ba 389.178	11.1233	ppb	0.7761	7.0	159.654
Be 313.042	4.2414	ppb	0.0051	0.1	7434.02
Ca 370.602	514.7	ppb	3.067	0.6	1518
Cd 226.502	5.6415	ppb	0.0122	0.2	247.607
Co 228.615	10.1995	ppb	0.4641	4.6	126.617
Cr 267.716	10.6110	ppb	0.0599	0.6	618.545
Cu 324.754	22.0304	ppb	0.2254	1.0	1876.13
Fe 271.441	58.6262	ppb	3.3103	5.6	109.789
K 766.491	1082.35	ppb	2.4859	0.2	48723.0
Mg 279.078	517.646	ppb	3.7719	0.7	1433.26
Mn 257.610	11.0857	ppb	0.0605	0.5	2220.42
Mo 202.032	10.4575	ppb	0.5415	5.2	77.9599
Na 330.237	1121.75	ppb	62.9809	5.6	75.5357
Ni 231.604	42.4281	ppb	1.1597	2.7	127.038
Pb 220.353	13.0637	ppb	1.5674	12.0	30.0729
Sb 206.834	22.7928	ppb	1.8447	8.1	26.8476
Se 196.026	18.7938	ppb	3.0514	16.2	9.6170
Sn 189.925	50.8086	ppb	0.8897	1.8	32.7396
Sr 216.596	10.5800	ppb	0.2136	2.0	136.268
Ti 334.941	10.6133	ppb	0.0273	0.3	3062.48
Tl 190.794	23.2717	ppb	0.4391	1.9	18.3483
V 292.401	10.0185	ppb	0.1841	1.8	248.355
Zn 206.200	23.0895	ppb	0.4468	1.9	25.5767

CRI (Samp) **10/18/2014, 2:46:49 AM** **Rack 3, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	10.6761	10.5739	10.7380
Al 308.215	204.112	201.146	205.214
As 188.980	17.9230	15.0724	20.8772

Label	Replicates Concentration		
B 249.678	105.260	105.216	105.785
Ba 389.178	10.0110	10.2145	10.3213
Be 313.042	4.2252	4.2033	4.2220
Ca 370.602	517.7	514.8	510.5
Cd 226.502	5.4759	5.2639	5.4556
Co 228.615	10.6278	10.4377	10.2422
Cr 267.716	10.5616	10.5345	10.7860
Cu 324.754	21.9888	21.5451	21.8150
Fe 271.441	57.1705	50.2892	51.3861
K 766.491	1073.39	1070.86	1076.77
Mg 279.078	521.283	514.939	517.342
Mn 257.610	10.9128	10.8751	10.8602
Mo 202.032	10.3859	10.2672	10.9392
Na 330.237	1207.56	1003.87	1113.66
Ni 231.604	40.9363	43.0408	42.2507
Pb 220.353	13.7021	12.0053	12.7801
Sb 206.834	18.6780	23.7594	25.3069
Se 196.026	20.4460	22.5086	16.8929
Sn 189.925	54.7746	52.9778	50.9160
Sr 216.596	10.0878	10.0301	10.3219
Ti 334.941	10.5468	10.5387	10.5647
Tl 190.794	27.0798	22.9434	25.8518
V 292.401	10.1830	10.0336	10.2186
Zn 206.200	22.1248	21.6860	22.4370

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6627	ppb	0.0829	0.8	902.835
Al 308.215	203.491	ppb	2.1040	1.0	1968.99
As 188.980	17.9575	ppb	2.9025	16.2	6.8592
B 249.678	105.420	ppb	0.3168	0.3	1803.65
Ba 389.178	10.1822	ppb	0.1576	1.5	139.393
Be 313.042	4.2168	ppb	0.0118	0.3	7389.65
Ca 370.602	514.3	ppb	3.623	0.7	1517
Cd 226.502	5.3985	ppb	0.1170	2.2	237.349
Co 228.615	10.4359	ppb	0.1928	1.8	129.395
Cr 267.716	10.6274	ppb	0.1381	1.3	619.445
Cu 324.754	21.7830	ppb	0.2236	1.0	1857.79
Fe 271.441	52.9486	ppb	3.6971	7.0	100.890
K 766.491	1073.67	ppb	2.9663	0.3	48334.6
Mg 279.078	517.855	ppb	3.2026	0.6	1433.83
Mn 257.610	10.8827	ppb	0.0271	0.2	2180.48
Mo 202.032	10.5308	ppb	0.3587	3.4	78.4615
Na 330.237	1108.36	ppb	101.951	9.2	74.9649
Ni 231.604	42.0759	ppb	1.0631	2.5	125.936
Pb 220.353	12.8292	ppb	0.8494	6.6	29.7030
Sb 206.834	22.5814	ppb	3.4679	15.4	26.5471
Se 196.026	19.9492	ppb	2.8406	14.2	10.1608
Sn 189.925	52.8894	ppb	1.9308	3.7	34.3159
Sr 216.596	10.1466	ppb	0.1546	1.5	130.911
Ti 334.941	10.5501	ppb	0.0133	0.1	3044.06
Tl 190.794	25.2917	ppb	2.1244	8.4	20.6088
V 292.401	10.1451	ppb	0.0981	1.0	251.677
Zn 206.200	22.0826	ppb	0.3773	1.7	24.4705

CCV (Samp) **10/18/2014, 2:51:07 AM** **Rack 3, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	498.014	495.271	500.156
Al 308.215	4830.92	4816.89	4835.73
As 188.980	461.559	463.113	471.295
B 249.678	480.890	481.936	486.785
Ba 389.178	5006.45	5000.39	5010.63
Be 313.042	492.264	488.523	490.735
Ca 370.602	4729	4721	4768
Cd 226.502	501.382	501.255	503.901
Co 228.615	490.077	489.601	493.390
Cr 267.716	4920.19	4913.79	4933.25
Cu 324.754	4958.41	4945.48	5016.46
Fe 271.441	4880.36	4895.19	4892.79
K 766.491	9981.97	9944.25	9970.68
Mg 279.078	4831.83	4828.67	4847.65
Mn 257.610	4822.98	4822.34	4867.31
Mo 202.032	488.359	486.957	488.957
Na 330.237	7611.11	7472.58	7627.84
Ni 231.604	2494.42	2496.23	2508.28
Pb 220.353	498.892	502.374	503.679
Sb 206.834	936.076	939.563	942.437
Se 196.026	4773.00	4767.64	4806.42
Sn 189.925	4921.54	4895.19	4959.11
Sr 216.596	2483.26	2484.46	2497.91
Ti 334.941	491.640	490.062	491.877
Tl 190.794	4940.59	4919.95	4943.48
V 292.401	4784.51	4770.67	4794.99
Zn 206.200	2437.32	2445.60	2463.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	497.814	ppb	2.4487	0.5	42426.0
Al 308.215	4827.85	ppb	9.7873	0.2	33488.5
As 188.980	465.322	ppb	5.2308	1.1	307.822
B 249.678	483.204	ppb	3.1452	0.7	8119.68
Ba 389.178	5005.82	ppb	5.1471	0.1	107699
Be 313.042	490.507	ppb	1.8809	0.4	887549
Ca 370.602	4739	ppb	25.11	0.5	14102
Cd 226.502	502.179	ppb	1.4924	0.3	21202.4
Co 228.615	491.023	ppb	2.0640	0.4	5783.00
Cr 267.716	4922.41	ppb	9.9159	0.2	271013
Cu 324.754	4973.45	ppb	37.8044	0.8	368771
Fe 271.441	4889.45	ppb	7.9636	0.2	7829.82
K 766.491	9965.63	ppb	19.3612	0.2	446619
Mg 279.078	4836.05	ppb	10.1715	0.2	13091.1
Mn 257.610	4837.54	ppb	25.7809	0.5	951539
Mo 202.032	488.091	ppb	1.0267	0.2	3341.68
Na 330.237	7570.51	ppb	85.2207	1.1	306.322
Ni 231.604	2499.65	ppb	7.5361	0.3	7811.22
Pb 220.353	501.648	ppb	2.4744	0.5	804.750
Sb 206.834	939.359	ppb	3.1853	0.3	1386.43
Se 196.026	4782.35	ppb	21.0131	0.4	2252.96
Sn 189.925	4925.28	ppb	32.1229	0.7	3725.20
Sr 216.596	2488.54	ppb	8.1382	0.3	30736.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	491.193	ppb	0.9865	0.2	143138
Tl 190.794	4934.68	ppb	12.8330	0.3	5520.82
V 292.401	4783.39	ppb	12.1989	0.3	124642
Zn 206.200	2448.65	ppb	13.1185	0.5	2674.85

CCB (Samp) **10/18/2014, 2:55:25 AM** **Rack 3, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	0.0333	-0.4341u	-0.1209u
Al 308.215	-2.8385u	-5.6292u	-5.4532u
As 188.980	-1.6456u	0.5214	-2.5544u
B 249.678	9.7733	8.1347	7.7575
Ba 389.178	0.3391	0.4783	0.4344
Be 313.042	0.0158	0.0191	0.0170
Ca 370.602	5.743	3.612	4.689
Cd 226.502	0.1641	0.1133	0.1152
Co 228.615	0.0627	-0.2049u	-0.0269u
Cr 267.716	0.5241	0.5620	0.5660
Cu 324.754	0.4954	0.4404	0.8244
Fe 271.441	3.4520	-4.2672u	-0.4668u
K 766.491	1.4924	0.7385	1.4793
Mg 279.078	1.8486	0.3326	1.3840
Mn 257.610	0.6352	0.6084	0.7010
Mo 202.032	1.0055	0.7205	0.9596
Na 330.237	-0.2063u	68.1916	64.6162
Ni 231.604	-0.3294u	1.2227	1.0806
Pb 220.353	2.2085	0.0485	2.7349
Sb 206.834	3.7580	6.1202	1.1064
Se 196.026	4.2769	2.0190	3.9160
Sn 189.925	0.5918	-0.4261u	-1.9150u
Sr 216.596	0.2203	0.4967	0.0131
Ti 334.941	0.1342	0.0977	0.0791
Tl 190.794	3.3260	3.9897	2.7103
V 292.401	0.5807	0.5420	0.2077
Zn 206.200	2.6058	0.0617	1.1448

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1739	ppb	0.2382	137.0	-21.6690
Al 308.215	-4.6403	ppb	1.5629	33.7	572.210
As 188.980	-1.2262	ppb	1.5802	128.9	-6.0509
B 249.678	8.5552	ppb	1.0716	12.5	184.704
Ba 389.178	0.4172	ppb	0.0712	17.1	-71.6122
Be 313.042	0.0173	ppb	0.0017	9.8	-208.712
Ca 370.602	4.681	ppb	1.066	22.8	33.99
Cd 226.502	0.1309	ppb	0.0288	22.0	15.0320
Co 228.615	-0.0564	ppb	0.1362	241.7	6.1373
Cr 267.716	0.5507	ppb	0.0231	4.2	64.6984
Cu 324.754	0.5867	ppb	0.2076	35.4	286.681
Fe 271.441	-0.4274	ppb	3.8597	903.2	15.3782
K 766.491	1.2367	ppb	0.4315	34.9	298.525
Mg 279.078	1.1884	ppb	0.7767	65.4	26.7172
Mn 257.610	0.6482	ppb	0.0476	7.3	163.756
Mo 202.032	0.8952	ppb	0.1530	17.1	12.5208

E10172014.wvq. All Data Report 10/18/2014, 10:20:45 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	44.2005	ppb	38.4990	87.1	27.7463
Ni 231.604	0.6580	ppb	0.8580	130.4	-3.5772
Pb 220.353	1.6639	ppb	1.4236	85.6	12.1096
Sb 206.834	3.6615	ppb	2.5082	68.5	-0.4349
Se 196.026	3.4040	ppb	1.2129	35.6	2.3702
Sn 189.925	-0.5831	ppb	1.2607	216.2	-6.1904
Sr 216.596	0.2434	ppb	0.2427	99.7	9.3598
Ti 334.941	0.1037	ppb	0.0280	27.1	-1.4682
Tl 190.794	3.3420	ppb	0.6398	19.1	-3.9519
V 292.401	0.4435	ppb	0.2051	46.3	0.0881
Zn 206.200	1.2708	ppb	1.2767	100.5	1.6366

Blank (Blk) **10/20/2014, 3:00:45 PM** **Rack S, Tube 1**

Label	Replicates		Concentration
Ag 328.068	-0.1618	0.1402	0.0215
Al 308.215	0.4719	-1.2583	0.7864
As 188.980	-0.1736	-3.1599	3.3335
B 249.678	0.4781	-0.3118	-0.1663
Ba 389.178	-0.4884	-0.1520	0.6403
Be 313.042	-0.0006	-0.0004	0.0011
Ca 370.602	1.766	0.0070	-1.773
Cd 226.502	-0.0004	-0.0595	0.0600
Co 228.615	0.4102	-0.1708	-0.2394
Cr 267.716	0.0481	0.0122	-0.0602
Cu 324.754	0.2257	-0.2457	0.0200
Fe 271.441	-2.4194	0.8778	1.5416
K 766.491	0.0154	-0.3345	0.3191
Mg 279.078	-2.9458	0.8811	2.0647
Mn 257.610	0.0724	-0.0286	-0.0438
Mo 202.032	0.0182	0.0119	-0.0301
Na 330.237	-47.4008	-49.7064	97.1072
Ni 231.604	-0.7200	0.2854	0.4347
Pb 220.353	-0.8096	0.4261	0.3835
Sb 206.834	-0.6709	0.4473	0.2236
Se 196.026	-0.0273	-3.4339	3.4612
Sn 189.925	-1.9117	0.3639	1.5478
Sr 216.596	-0.0671	-0.0367	0.1038
Ti 334.941	0.0343	-0.0105	-0.0238
Tl 190.794	-0.3142	-0.3185	0.6327
V 292.401	-0.0534	0.2653	-0.2119
Zn 206.200	-0.6635	0.7434	-0.0799

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	12.865	67.4	-19.0854
Al 308.215	0.0000	ppb	7.495	1.5	491.534
As 188.980	0.0000	ppb	2.192	32.4	-6.7699
B 249.678	0.0000	ppb	7.053	18.3	38.5928
Ba 389.178	0.0000	ppb	12.800	18.9	-67.7712
Be 313.042	0.0000	ppb	1.665	0.6	-278.645
Ca 370.602	0.0000	ppb	4.844	23.3	20.78
Cd 226.502	0.0000	ppb	2.568	15.4	16.6449
Co 228.615	0.0000	ppb	4.126	92.4	4.4633
Cr 267.716	0.0000	ppb	3.010	8.7	34.5579
Cu 324.754	0.0000	ppb	17.503	7.2	244.549
Fe 271.441	0.0000	ppb	3.363	37.6	8.9386
K 766.491	0.0000	ppb	14.672	7.4	197.906
Mg 279.078	0.0000	ppb	7.122	32.0	22.2475
Mn 257.610	0.0000	ppb	11.768	37.0	31.8487
Mo 202.032	0.0000	ppb	0.180	3.2	5.5367
Na 330.237	0.0000	ppb	3.972	15.6	25.4081
Ni 231.604	0.0000	ppb	1.962	40.4	-4.8569
Pb 220.353	0.0000	ppb	1.115	9.5	11.7689
Sb 206.834	0.0000	ppb	0.849	34.2	-2.4868
Se 196.026	0.0000	ppb	1.609	745.0	-0.2159
Sn 189.925	0.0000	ppb	1.337	28.7	-4.6574
Sr 216.596	0.0000	ppb	1.135	20.4	5.5694
Ti 334.941	0.0000	ppb	8.993	19.4	-46.3506

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Tl 190.794	0.0000	ppb	0.602	7.3	-8.3023
V 292.401	0.0000	ppb	6.179	46.0	-13.4225
Zn 206.200	0.0000	ppb	0.775	76.5	1.0136

HIGH STD (Std) **10/20/2014, 3:05:00 PM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	994.386	1003.25	1002.37
Al 308.215	9990.50	9991.57	10017.9
As 188.980	1000.41	998.896	1000.69
B 249.678	993.406	998.724	1007.87
Ba 389.178	9987.97	10000.9	10011.1
Be 313.042	1000.81	998.933	1000.26
Ca 370.602	10015	9982	10003
Cd 226.502	998.505	998.632	1002.86
Co 228.615	998.633	999.315	1002.05
Cr 267.716	9985.78	9966.94	10047.3
Cu 324.754	9921.93	10015.5	10062.5
Fe 271.441	9993.35	9992.18	10014.5
K 766.491	19978.6	19991.9	20029.5
Mg 279.078	9991.16	10011.1	9997.72
Mn 257.610	10028.1	9993.12	9978.83
Mo 202.032	997.792	999.138	1003.07
Na 330.237	14812.0	14987.7	15200.3
Ni 231.604	4991.24	4993.20	5015.56
Pb 220.353	1005.33	996.086	998.585
Sb 206.834	1992.57	2006.07	2001.36
Se 196.026	9987.77	9966.74	10045.5
Sn 189.925	9952.63	10015.3	10032.1
Sr 216.596	4995.63	4995.72	5008.65
Ti 334.941	999.576	999.312	1001.11
Tl 190.794	9989.55	9972.79	10037.7
V 292.401	10004.8	9986.16	10009.0
Zn 206.200	4996.17	4985.63	5018.20

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	412.828	0.5	84538.3
Al 308.215	10000.0	ppb	105.727	0.2	68559.2
As 188.980	1000.00	ppb	0.652	0.1	667.749
B 249.678	1000.00	ppb	122.758	0.7	16817.1
Ba 389.178	10000.0	ppb	255.896	0.1	220811
Be 313.042	1000.00	ppb	1746.127	0.1	1810981
Ca 370.602	10000	ppb	45.335	0.2	27396
Cd 226.502	1000.00	ppb	106.608	0.2	42991.8
Co 228.615	1000.00	ppb	20.905	0.2	11563.0
Cr 267.716	10000.0	ppb	2292.097	0.4	545564
Cu 324.754	10000.0	ppb	5299.539	0.7	740749
Fe 271.441	10000.0	ppb	19.895	0.1	15862.5
K 766.491	20000.0	ppb	1184.984	0.1	897293
Mg 279.078	10000.0	ppb	27.675	0.1	27217.6
Mn 257.610	10000.0	ppb	4716.037	0.3	1862331
Mo 202.032	1000.00	ppb	18.787	0.3	6855.88
Na 330.237	15000.0	ppb	9.183	1.3	733.828
Ni 231.604	5000.00	ppb	42.201	0.3	15616.0

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Pb 220.353	1000.00	ppb	7.603	0.5	1602.00
Sb 206.834	2000.00	ppb	9.833	0.3	2868.83
Se 196.026	10000.0	ppb	19.023	0.4	4665.59
Sn 189.925	10000.0	ppb	31.855	0.4	7602.17
Sr 216.596	5000.00	ppb	93.274	0.1	62271.6
Ti 334.941	1000.00	ppb	287.231	0.1	295433
Tl 190.794	10000.0	ppb	37.014	0.3	10984.7
V 292.401	10000.0	ppb	309.062	0.1	254177
Zn 206.200	5000.00	ppb	18.235	0.3	5486.15

Ag 328.068 Calibration (ppb) **10/20/2014, 3:05:00 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-19.0854	0.0000	0.0000	-	-
HIGH STD		84538.3	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 84.6 x + -19.1

Al 308.215 Calibration (ppb) **10/20/2014, 3:05:00 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		491.534	0.0000	0.0000	-	-
HIGH STD		68559.2	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 6.8 x + 491.5

As 188.980 Calibration (ppb) **10/20/2014, 3:05:00 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-6.7699	0.0000	0.0000	-	-
HIGH STD		667.749	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.7 x + -6.8

B 249.678 Calibration (ppb) **10/20/2014, 3:05:00 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		38.5928	0.0000	0.0000	-	-
HIGH STD		16817.1	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 16.8 x + 38.6

Ba 389.178 Calibration (ppb) **10/20/2014, 3:05:00 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-67.7712	0.0000	0.0000	-	-
HIGH STD		220811	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 22.1 x + -67.8

Be 313.042 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-278.645	0.0000	0.0000	-	-
HIGH STD		1810981	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1811.3 x + -278.6

Ca 370.602 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		20.78	0.0000	0.0000	-	-
HIGH STD		27396	10000	10000	0.0000	0.0

Curve Type: Linear Equation: y = 2.7 x + 20.8

Cd 226.502 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		16.6449	0.0000	0.0000	-	-
HIGH STD		42991.8	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 43.0 x + 16.6

Co 228.615 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.4633	0.0000	0.0000	-	-
HIGH STD		11563.0	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 11.6 x + 4.5

Cr 267.716 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		34.5579	0.0000	0.0000	-	-
HIGH STD		545564	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 54.6 x + 34.6

Cu 324.754 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		244.549	0.0000	0.0000	-	-
HIGH STD		740749	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 74.1 x + 244.5

Fe 271.441 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.9386	0.0000	0.0000	-	-
HIGH STD		15862.5	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 1.6 x + 8.9

K 766.491 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		197.906	0.0000	0.0000	-	-
HIGH STD		897293	20000.0	20000.0	0.0000	0.0

Curve Type: Linear Equation: y = 44.9 x + 197.9

Mg 279.078 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		22.2475	0.0000	0.0000	-	-
HIGH STD		27217.6	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 2.7 x + 22.2

Mn 257.610 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		31.8487	0.0000	0.0000	-	-
HIGH STD		1862331	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 186.2 x + 31.8

Mo 202.032 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.5367	0.0000	0.0000	-	-
HIGH STD		6855.88	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 6.9 x + 5.5

Na 330.237 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		25.4081	0.0000	0.0000	-	-
HIGH STD		733.828	15000.0	15000.0	0.0029	0.0

Curve Type: Linear Equation: y = 0.0 x + 25.4

Ni 231.604 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.8569	0.0000	0.0000	-	-
HIGH STD		15616.0	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 3.1 x + -4.9

Pb 220.353 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.7689	0.0000	0.0000	-	-
HIGH STD		1602.00	1000.00	1000.000	-0.0002	0.0

Curve Type: Linear Equation: y = 1.6 x + 11.8

Sb 206.834 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.4868	0.0000	0.0000	-	-
HIGH STD		2868.83	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1.4 x + -2.5

Se 196.026 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.2159	0.0000	0.0000	-	-
HIGH STD		4665.59	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.5 x + -0.2

Sn 189.925 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.6574	0.0000	0.0000	-	-
HIGH STD		7602.17	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.8 x + -4.7

Sr 216.596 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.5694	0.0000	0.0000	-	-
HIGH STD		62271.6	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 12.5 x + 5.6

Ti 334.941 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-46.3506	0.0000	0.0000	-	-
HIGH STD		295433	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 295.5 x + -46.4

Tl 190.794 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-8.3023	0.0000	0.0000	-	-
HIGH STD		10984.7	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 1.1 x + -8.3

V 292.401 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-13.4225	0.0000	0.0000	-	-
HIGH STD		254177	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 25.4 x + -13.4

Zn 206.200 Calibration (ppb) 10/20/2014, 3:05:00 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.0136	0.0000	0.0000	-	-
HIGH STD		5486.15	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: y = 1.1 x + 1.0

Lab Control Sample (LCS) 10/20/2014, 3:09:15 PM Rack S, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	999.587	1001.94	1016.93
Al 308.215	9991.99	9991.18	10006.1
As 188.980	1004.07	990.124	1005.79
B 249.678	1011.44	1013.81	1017.47
Ba 389.178	9984.84	9971.63	9997.85
Be 313.042	1000.90	996.875	1004.50
Ca 370.602	10225	10214	10237
Cd 226.502	996.922	994.896	997.850
Co 228.615	1008.72	1005.80	1005.71
Cr 267.716	10081.1	10059.3	10091.4
Cu 324.754	9969.45	9976.07	10033.4
Fe 271.441	9990.89	9980.28	10018.4
K 766.491	19971.0	19956.3	19990.1
Mg 279.078	10024.5	10013.0	10045.5
Mn 257.610	10223.2	10137.6	10226.2
Mo 202.032	1005.99	1003.84	1006.64
Na 330.237	15007.2	15304.5	15140.6
Ni 231.604	5009.79	5001.26	5008.11
Pb 220.353	1001.67	1003.43	1003.55
Sb 206.834	2007.48	2001.69	1997.01
Se 196.026	10034.4	10029.3	10043.3
Sn 189.925	10024.8	9983.82	10030.2
Sr 216.596	5013.13	5000.98	5027.66
Ti 334.941	999.925	997.589	1000.64
Tl 190.794	10062.8	10042.4	10076.3
V 292.401	10085.3	10067.3	10099.2
Zn 206.200	5009.25	5016.00	5023.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1006.16	ppb	9.4094	0.9	84964.9	100.61553
Al 308.215	9996.43	ppb	8.3969	0.1	69610.1	99.96431

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	999.997	ppb	8.5933	0.9	667.496	99.99968
B 249.678	1014.24	ppb	3.0390	0.3	17062.5	20.28486*
Ba 389.178	9984.78	ppb	13.1114	0.1	220520	99.84776
Be 313.042	1000.76	ppb	3.8161	0.4	1812745	100.07594
Ca 370.602	10225	ppb	11.60	0.1	28643	102.25107
Cd 226.502	996.556	ppb	1.5105	0.2	42882.1	99.65560
Co 228.615	1006.74	ppb	1.7113	0.2	11651.3	100.67442
Cr 267.716	10077.3	ppb	16.3760	0.2	549717	100.77273
Cu 324.754	9992.96	ppb	35.1565	0.4	740125	99.92965
Fe 271.441	9996.53	ppb	19.6981	0.2	16081.6	99.96533
K 766.491	19972.5	ppb	16.9348	0.1	896059	99.86246
Mg 279.078	10027.7	ppb	16.4920	0.2	27081.3	100.27686
Mn 257.610	10195.6	ppb	50.3236	0.5	1898857	101.95644
Mo 202.032	1005.49	ppb	1.4647	0.1	6882.06	100.54911
Na 330.237	15150.8	ppb	148.875	1.0	614.761	101.00524
Ni 231.604	5006.39	ppb	4.5180	0.1	15634.3	100.12775
Pb 220.353	1002.89	ppb	1.0532	0.1	1615.26	100.28854
Sb 206.834	2002.06	ppb	5.2408	0.3	2973.35	100.10304
Se 196.026	10035.7	ppb	7.1129	0.1	4684.72	100.35677
Sn 189.925	10012.9	ppb	25.3687	0.3	7612.03	100.12946
Sr 216.596	5013.92	ppb	13.3562	0.3	62307.2	100.27850
Ti 334.941	999.386	ppb	1.5973	0.2	295270	99.93861
Tl 190.794	10060.5	ppb	17.0550	0.2	11071.2	100.60522
V 292.401	10083.9	ppb	16.0123	0.2	255756	100.83913
Zn 206.200	5016.10	ppb	6.9076	0.1	5471.96	100.32210

Initial Calib Verif (ICV) **10/20/2014, 3:13:30 PM** **Rack S, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	1007.66	1003.62	1010.89
Al 308.215	977.939	985.887	983.307
As 188.980	995.120	1000.68	999.858
B 249.678	1001.33	1007.43	1006.82
Ba 389.178	1016.27	1020.79	1020.07
Be 313.042	1006.49	1012.58	1010.71
Ca 370.602	981.1	982.5	975.1
Cd 226.502	993.305	996.920	996.410
Co 228.615	1028.79	1036.01	1027.48
Cr 267.716	1008.56	1014.10	1010.20
Cu 324.754	1016.87	1017.01	1020.81
Fe 271.441	983.507	995.165	987.650
K 766.491	10063.3	10119.3	10106.6
Mg 279.078	982.687	985.562	981.818
Mn 257.610	1048.03	1049.63	1044.58
Mo 202.032	1020.42x	1024.88x	1021.10x
Na 330.237	9526.15	9649.63	9625.17
Ni 231.604	1004.56	1012.56	1009.68
Pb 220.353	1000.73	1003.88	1010.24
Sb 206.834	1016.26	1026.18	1016.81
Se 196.026	984.093	984.295	969.143
Sn 189.925	4957.51	4971.29	4916.60
Sr 216.596	5029.06	5049.15	5044.11
Ti 334.941	972.565	978.355	975.957

Label	Replicates Concentration		
Tl 190.794	987.982	993.972	982.858
V 292.401	1037.40	1041.45	1036.22
Zn 206.200	1008.92	1009.68	1000.34

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1007.39b	ppb	3.6413	0.4	85001.6	100.73923
Al 308.215	982.378b	ppb	4.0545	0.4	7336.50	98.23780
As 188.980	998.554b	ppb	3.0020	0.3	666.481	99.85538
B 249.678	1005.19b	ppb	3.3585	0.3	16916.4	100.51921
Ba 389.178	1019.04b	ppb	2.4330	0.2	22449.7	101.90429
Be 313.042	1009.93b	ppb	3.1217	0.3	1828865	100.99276
Ca 370.602	979.6b	ppb	3.944	0.4	3135	97.95675
Cd 226.502	995.545b	ppb	1.9569	0.2	42804.4	99.55450
Co 228.615	1030.76b	ppb	4.5926	0.4	11910.0	103.07617
Cr 267.716	1010.95b	ppb	2.8456	0.3	55171.0	101.09547
Cu 324.754	1018.23b	ppb	2.2343	0.2	75671.6	101.82302
Fe 271.441	988.774b	ppb	5.9097	0.6	1713.54	98.87739
K 766.491	10096.4b	ppb	29.3381	0.3	453070	100.96417
Mg 279.078	983.356b	ppb	1.9595	0.2	2674.69	98.33556
Mn 257.610	1047.41b	ppb	2.5822	0.2	195100	104.74103
Mo 202.032	1022.13xb	ppb	2.4036	0.2	7006.32	102.21330
Na 330.237	9600.32b	ppb	65.3869	0.7	452.109	96.00315
Ni 231.604	1008.93b	ppb	4.0511	0.4	3144.75	100.89330
Pb 220.353	1004.95b	ppb	4.8415	0.5	1608.73	100.49483
Sb 206.834	1019.75b	ppb	5.5787	0.5	1457.67	101.97496
Se 196.026	979.177b	ppb	8.6905	0.9	456.906	97.91771
Sn 189.925	4948.46b	ppb	28.4460	0.6	3759.56	98.96927
Sr 216.596	5040.77b	ppb	10.4540	0.2	62739.8	100.81549
Ti 334.941	975.625b	ppb	2.9092	0.3	288232	97.56253
Tl 190.794	988.270b	ppb	5.5625	0.6	1079.87	98.82704
V 292.401	1038.36b	ppb	2.7394	0.3	26194.3	103.83571
Zn 206.200	1006.32b	ppb	5.1854	0.5	1101.76	100.63159

Initial Calib Blank (ICB) **10/20/2014, 3:17:45 PM** **Rack S, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	0.1813	0.1539	0.2105
Al 308.215	2.9624	3.4637	3.8067
As 188.980	0.4129	2.1036	-0.8208u
B 249.678	20.7697	18.3502	16.5305
Ba 389.178	0.3548	0.6786	0.6907
Be 313.042	0.0926	0.1000	0.1114
Ca 370.602	0.1327	-4.085u	4.442
Cd 226.502	-0.0459u	-0.0890u	0.1167
Co 228.615	0.3521	0.5689	0.1616
Cr 267.716	0.1790	0.3248	0.2731
Cu 324.754	0.2785	0.3578	0.4040
Fe 271.441	5.8473	4.6274	2.3093
K 766.491	2.1545	2.0932	2.4592
Mg 279.078	1.4420	2.0806	4.0655
Mn 257.610	0.3648	0.4304	0.4820
Mo 202.032	0.5093	1.2777	0.3987
Na 330.237	-72.8406u	188.101	85.2000

Label	Replicates Concentration		
Ni 231.604	-0.9117u	-0.0971u	0.3521
Pb 220.353	-0.9210u	-3.4148u	-0.1440u
Sb 206.834	1.1290	0.2027	-1.0655u
Se 196.026	5.2619	-1.2513u	1.6940
Sn 189.925	-5.5419u	0.0400	-1.0202u
Sr 216.596	0.0035	0.5992	0.3329
Ti 334.941	0.1736	0.2555	0.2622
Tl 190.794	3.0523	-0.0964u	1.8875
V 292.401	0.1870	0.1432	0.2660
Zn 206.200	1.3242	0.3960	0.9230

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1819	ppb	0.0283	15.6	-3.7230	0.18188
Al 308.215	3.4109	ppb	0.4246	12.4	514.851	3.41094
As 188.980	0.5652	ppb	1.4681	259.7	-6.3889	0.56522
B 249.678	18.5501	ppb	2.1267	11.5	349.800	18.55012
Ba 389.178	0.5747	ppb	0.1905	33.2	-55.0675	0.57469
Be 313.042	0.1014	ppb	0.0095	9.3	-95.1756	0.10136
Ca 370.602	0.1632	ppb	4.263	2612.9	21.27	0.16316
Cd 226.502	-0.0061	ppb	0.1085	1781.3	16.4069	-0.00609
Co 228.615	0.3609	ppb	0.2038	56.5	8.6182	0.36088
Cr 267.716	0.2590	ppb	0.0739	28.6	48.6876	0.25897
Cu 324.754	0.3467	ppb	0.0635	18.3	270.257	0.34675
Fe 271.441	4.2613	ppb	1.7972	42.2	15.7189	4.26134
K 766.491	2.2356	ppb	0.1960	8.8	298.184	2.23563
Mg 279.078	2.5294	ppb	1.3681	54.1	29.1161	2.52936
Mn 257.610	0.4257	ppb	0.0587	13.8	111.155	0.42573
Mo 202.032	0.7286	ppb	0.4788	65.7	10.5271	0.72859
Na 330.237	66.8201	ppb	131.438	196.7	28.5480	66.82012
Ni 231.604	-0.2189	ppb	0.6406	292.6	-5.5407	-0.21892
Pb 220.353	-1.4932	ppb	1.7088	114.4	9.3937	-1.49325
Sb 206.834	0.0887	ppb	1.1017	1241.5	-2.3714	0.08874
Se 196.026	1.9015	ppb	3.2616	171.5	0.6715	1.90153
Sn 189.925	-2.1740	ppb	2.9644	136.4	-6.3111	-2.17402
Sr 216.596	0.3118	ppb	0.2984	95.7	9.4477	0.31185
Ti 334.941	0.2304	ppb	0.0493	21.4	21.7242	0.23040
Tl 190.794	1.6144	ppb	1.5920	98.6	-6.5300	1.61444
V 292.401	0.1988	ppb	0.0623	31.3	-8.5089	0.19875
Zn 206.200	0.8811	ppb	0.4655	52.8	1.9790	0.88105

CRI (CRI) **10/20/2014, 3:22:01 PM** **Rack S, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	11.1389	11.0556	11.4809
Al 308.215	213.795	212.629	214.459
As 188.980	22.8359	23.3327	21.0273
B 249.678	111.350	112.710	113.429
Ba 389.178	10.9655	10.4961	11.2626
Be 313.042	4.3844	4.3994	4.3880
Ca 370.602	542.2	545.3	544.0
Cd 226.502	5.2783	5.2245	5.4033
Co 228.615	10.8451	10.8076	10.5333
Cr 267.716	10.9120	10.7598	10.9101

Label	Replicates Concentration		
Cu 324.754	22.1919	22.7287	22.0911
Fe 271.441	59.1968	54.0118	57.7216
K 766.491	1111.60	1116.73	1118.82
Mg 279.078	527.922	528.267	530.815
Mn 257.610	11.7513	11.7060	11.6239
Mo 202.032	10.8721	10.4559	11.1832
Na 330.237	985.997	1230.49	1269.90
Ni 231.604	42.5035	42.1074	43.0004
Pb 220.353	8.7329	10.6397	8.9340
Sb 206.834	22.1642	21.2478	22.6248
Se 196.026	20.4780	23.7083	20.7710
Sn 189.925	53.0585	53.2557	56.3059
Sr 216.596	10.5869	10.3978	10.9085
Ti 334.941	10.7548	10.7685	10.7526
Tl 190.794	27.0619	31.5465	26.1447
V 292.401	11.0309	10.8848	10.8046
Zn 206.200	22.5796	21.6319	22.0599

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	11.2251	ppb	0.2254	2.0	929.786	112.25109
Al 308.215	213.628	ppb	0.9266	0.4	1947.40	106.81384
As 188.980	22.3987	ppb	1.2133	5.4	8.3372	111.99337
B 249.678	112.496	ppb	1.0558	0.9	1926.27	112.49586
Ba 389.178	10.9080	ppb	0.3865	3.5	173.999	109.08050
Be 313.042	4.3906	ppb	0.0078	0.2	7672.85	109.76486
Ca 370.602	543.8	ppb	1.554	0.3	1514	108.76465
Cd 226.502	5.3020	ppb	0.0917	1.7	244.721	106.04066
Co 228.615	10.7287	ppb	0.1702	1.6	128.392	107.28650
Cr 267.716	10.8607	ppb	0.0873	0.8	626.994	108.60658
Cu 324.754	22.3372	ppb	0.3428	1.5	1898.93	111.68610
Fe 271.441	56.9767	ppb	2.6716	4.7	100.648	113.95341
K 766.491	1115.72	ppb	3.7151	0.3	50243.0	111.57151
Mg 279.078	529.001	ppb	1.5803	0.3	1460.57	105.80028
Mn 257.610	11.6937	ppb	0.0645	0.6	2213.19	116.93741
Mo 202.032	10.8371	ppb	0.3650	3.4	79.7597	108.37055
Na 330.237	1162.13	ppb	153.804	13.2	79.7250	116.21318
Ni 231.604	42.5371	ppb	0.4474	1.1	128.016	106.34281
Pb 220.353	9.4355	ppb	1.0477	11.1	26.7622	94.35536
Sb 206.834	22.0123	ppb	0.7010	3.2	29.0707	110.06135
Se 196.026	21.6524	ppb	1.7865	8.3	9.8902	108.26203
Sn 189.925	54.2067	ppb	1.8206	3.4	36.5771	108.41338
Sr 216.596	10.6311	ppb	0.2582	2.4	136.895	106.31079
Ti 334.941	10.7586	ppb	0.0086	0.1	3133.48	107.58617
Tl 190.794	28.2510	ppb	2.8906	10.2	22.7650	113.00407
V 292.401	10.9068	ppb	0.1147	1.1	261.864	109.06760
Zn 206.200	22.0905	ppb	0.4746	2.1	25.2109	110.45243

Interf Check A (ICSA) **10/20/2014, 3:30:11 PM** **Rack S, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.1285u	-0.0130u	0.6788
Al 308.215	527812	527407	527176
As 188.980	2.9780	-3.5199	1.7278

Label	Replicates Concentration		
B 249.678	2.4293u	2.1137u	2.2627u
Ba 389.178	-0.3534	-0.6912	-1.3090
Be 313.042	-0.1280u	-0.1351u	-0.1336u
Ca 370.602	513654	512312	512459
Cd 226.502	-0.1471	0.1059	0.0552
Co 228.615	-0.7084	-0.3752	-1.1487u
Cr 267.716	0.4597	0.1508	0.3832
Cu 324.754	1.7329	1.4199	1.7623
Fe 271.441	186428	186679	186716
K 766.491	4.5098	4.7628	4.5404
Mg 279.078	504397	504916	506027
Mn 257.610	3.8232	3.8042	3.9584
Mo 202.032	2.1689	1.4739	1.5044
Na 330.237	-394.794u	-235.270u	-37.6622u
Ni 231.604	-0.6881	-0.4023	1.2492
Pb 220.353	4.4452	8.5130	5.5472
Sb 206.834	5.4615	2.4641	-3.5663
Se 196.026	4.4843	2.3531	-1.8298
Sn 189.925	1.3177	-11.5945u	2.5395
Sr 216.596	6.7154	6.6849	6.9925
Ti 334.941	0.9960	1.0271	1.0029
Tl 190.794	-5.0753u	-8.3290u	-7.1966u
V 292.401	-5.0007u	-4.2689u	-4.6102u
Zn 206.200	5.5265u	10.9664	10.8998

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1791	ppb	0.4366	243.8	-43.4914	0.17911
Al 308.215	527465	ppb	321.684	0.1	3591143	-
As 188.980	0.3953	ppb	3.4478	872.1	-2.2122	0.39533
B 249.678	2.2686	ppb	0.1579	7.0	-357.949	2.26856
Ba 389.178	-0.7846	ppb	0.4846	61.8	709.703	-0.78457
Be 313.042	-0.1322	ppb	0.0037	2.8	-327.642	-0.13222
Ca 370.602	512809	ppb	736.0	0.1	1401665	-
Cd 226.502	0.0047	ppb	0.1339	2870.5	726.885	0.00466
Co 228.615	-0.7441	ppb	0.3880	52.1	8.6858	-0.74410
Cr 267.716	0.3312	ppb	0.1609	48.6	148.437	0.33123
Cu 324.754	1.6383	ppb	0.1897	11.6	447.444	1.63835
Fe 271.441	186607	ppb	156.844	0.1	295847	-
K 766.491	4.6043	ppb	0.1381	3.0	404.432	4.60433
Mg 279.078	505113	ppb	832.871	0.2	1373497	-
Mn 257.610	3.8619	ppb	0.0841	2.2	4535.21	3.86193
Mo 202.032	1.7157	ppb	0.3927	22.9	8.4740	1.71573
Na 330.237	-222.575	ppb	178.904	80.4	-28.7128	-222.57535
Ni 231.604	0.0529	ppb	1.0458	1975.5	11.6070	0.05294
Pb 220.353	6.1685	ppb	2.1039	34.1	26.8116	6.16847
Sb 206.834	1.4531	ppb	4.5980	316.4	5.6828	1.45312
Se 196.026	1.6692	ppb	3.2121	192.4	3.1402	1.66919
Sn 189.925	-2.5791	ppb	7.8314	303.6	-6.6197	-2.57910
Sr 216.596	6.7976	ppb	0.1694	2.5	508.960	6.79762
Ti 334.941	1.0087	ppb	0.0164	1.6	1198.70	1.00866
Tl 190.794	-6.8670	ppb	1.6517	24.1	-41.0770	-6.86698
V 292.401	-4.6266	ppb	0.3662	7.9	-63.4734	-4.62660
Zn 206.200	9.1309	ppb	3.1217	34.2	2.3567	9.13087

Interf Check AB (ICSAB) **10/20/2014, 3:34:28 PM** **Rack S, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	224.518	222.844	223.815
Al 308.215	539517	539076	539327
As 188.980	104.486	82.2460	102.821
B 249.678	3.3912u	3.4341u	3.0400u
Ba 389.178	508.061	508.294	506.824
Be 313.042	483.320	484.207	482.359
Ca 370.602	498814	496507	496986
Cd 226.502	933.010	933.688	934.824
Co 228.615	475.914	475.994	477.155
Cr 267.716	489.097	488.915	488.587
Cu 324.754	574.511	564.393	567.250
Fe 271.441	189802	189665	189634
K 766.491	2.7422	2.1643	2.5221
Mg 279.078	512565	513478	513314
Mn 257.610	512.412	510.259	511.579
Mo 202.032	977.372	980.072	979.731
Na 330.237	-379.206u	-34.7189u	-54.9324u
Ni 231.604	923.813	926.695	918.428
Pb 220.353	51.5013	48.5437	46.3860
Sb 206.834	644.939	639.575	639.432
Se 196.026	57.8848	71.6788	50.1322
Sn 189.925	975.908	985.217	962.797
Sr 216.596	6.5183	7.2384	6.2649
Ti 334.941	0.3251	0.3428	0.3398
Tl 190.794	80.0483	80.1710	84.1136
V 292.401	483.111	481.814	481.601
Zn 206.200	923.566	921.499	922.424

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	223.726	ppb	0.8405	0.4	18862.4	111.86277
Al 308.215	539307	ppb	221.329	0.0	3671855	107.86133
As 188.980	96.5174	ppb	12.3874	12.8	62.5162	96.51743
B 249.678	3.2885	ppb	0.2162	6.6	-338.420	-
Ba 389.178	507.726	ppb	0.7900	0.2	11965.0	101.54519
Be 313.042	483.295	ppb	0.9245	0.2	875170	96.65901
Ca 370.602	497436	ppb	1218	0.2	1359565	99.48716
Cd 226.502	933.841	ppb	0.9164	0.1	40869.8	93.38407
Co 228.615	476.354	ppb	0.6946	0.1	5496.71	95.27090
Cr 267.716	488.866	ppb	0.2583	0.1	26788.2	97.77330
Cu 324.754	568.718	ppb	5.2162	0.9	42473.9	113.74355
Fe 271.441	189700	ppb	89.5215	0.0	300814	94.84999
K 766.491	2.4762	ppb	0.2917	11.8	308.975	-
Mg 279.078	513119	ppb	486.674	0.1	1395252	102.62381
Mn 257.610	511.417	ppb	1.0856	0.2	99141.2	102.28337
Mo 202.032	979.058	ppb	1.4703	0.2	6702.94	97.90582
Na 330.237	-156.286	ppb	193.319	123.7	-48.6640	-
Ni 231.604	922.979	ppb	4.1958	0.5	2894.07	92.29788
Pb 220.353	48.8103	ppb	2.5680	5.3	93.5629	97.62067
Sb 206.834	641.315	ppb	3.1386	0.5	913.485	106.88589
Se 196.026	59.8986	ppb	10.9135	18.2	30.4675	119.79723
Sn 189.925	974.641	ppb	11.2634	1.2	736.735	97.46405
Sr 216.596	6.6739	ppb	0.5051	7.6	476.304	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	0.3359	ppb	0.0094	2.8	1022.03	-
Tl 190.794	81.4443	ppb	2.3125	2.8	54.7612	81.44431
V 292.401	482.175	ppb	0.8173	0.2	12138.7	96.43504
Zn 206.200	922.497	ppb	1.0355	0.1	1002.68	92.24967

LRA1 (Samp) **10/20/2014, 3:38:46 PM** **Rack S, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	0.0244	0.2508	0.2894
Al 308.215	50.2216	46.3928	47.5216
As 188.980	19668.5x	19594.4x	19689.9x
B 249.678	4944.31	4956.33	4959.41
Ba 389.178	0.2322	-0.1850u	0.1274
Be 313.042	0.1059	0.1032	0.1018
Ca 370.602	-119.0	-140.2	-139.5
Cd 226.502	-3.5243u	-3.3678u	-3.4966u
Co 228.615	9951.77	9936.99	9936.85
Cr 267.716	-1.3738	-1.3154	-1.2433
Cu 324.754	-4.4265u	-4.1258u	-4.3192u
Fe 271.441	-46.3838	-61.7595	-58.4424
K 766.491	2.5543	2.6646	3.1128
Mg 279.078	7.9307u	7.7425u	10.4523u
Mn 257.610	27451.2x	27558.4x	27355.3x
Mo 202.032	0.2358	0.5895	0.8100
Na 330.237	1016.84u	1448.91	1374.30
Ni 231.604	10093.9x	10059.6x	10040.2x
Pb 220.353	20427.3x	20387.4x	20323.6x
Sb 206.834	2.8596	4.0258	4.5175
Se 196.026	-1.9013	-2.5766	-4.2257
Sn 189.925	1.4312	-0.8467u	2.5413
Sr 216.596	1.4463u	1.6820u	1.7739u
Ti 334.941	30281.3x	30097.7x	30204.1x
Tl 190.794	12.2258	7.7028	1.2355
V 292.401	-12.9786	-13.0728	-13.2658
Zn 206.200	4.5179	4.7481	2.7794

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1882b	ppb	0.1432	76.1	138.923
Al 308.215	48.0453b	ppb	1.9674	4.1	753.316
As 188.980	19651.0xb	ppb	50.1077	0.3	13248.2
B 249.678	4953.35b	ppb	7.9756	0.2	83146.6
Ba 389.178	0.0582b	ppb	0.2171	372.9	-66.3530
Be 313.042	0.1036b	ppb	0.0021	2.0	-106.506
Ca 370.602	-132.9b	ppb	12.05	9.1	13082
Cd 226.502	-3.4629b	ppb	0.0835	2.4	-129.106
Co 228.615	9941.87b	ppb	8.5763	0.1	115561
Cr 267.716	-1.3108b	ppb	0.0654	5.0	163.142
Cu 324.754	-4.2905b	ppb	0.1524	3.6	-73.2456
Fe 271.441	-55.5286b	ppb	8.0914	14.6	1138.55
K 766.491	2.7772b	ppb	0.2958	10.7	322.478
Mg 279.078	8.7085b	ppb	1.5131	17.4	-519.250
Mn 257.610	27455.0xb	ppb	101.633	0.4	5112970
Mo 202.032	0.5451b	ppb	0.2897	53.1	9.2232

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1280.01b	ppb	230.951	18.0	26.1662
Ni 231.604	10064.5xb	ppb	27.2061	0.3	31413.6
Pb 220.353	20379.4xb	ppb	52.3061	0.3	32406.8
Sb 206.834	3.8010b	ppb	0.8515	22.4	3.0015
Se 196.026	-2.9012b	ppb	1.1957	41.2	4.8195
Sn 189.925	1.0419b	ppb	1.7272	165.8	-3.8653
Sr 216.596	1.6341b	ppb	0.1690	10.3	-257.780
Ti 334.941	30194.4xb	ppb	92.1744	0.3	8921784
Tl 190.794	7.0547b	ppb	5.5237	78.3	44.3721
V 292.401	-13.1057b	ppb	0.1464	1.1	93.3143
Zn 206.200	4.0151b	ppb	1.0763	26.8	5.3799

LRA2 (Samp) **10/20/2014, 3:43:04 PM** **Rack S, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	0.8464u	0.2545u	0.5304u
Al 308.215	829589	829363	796713
As 188.980	48.6399	25.6749	28.5991
B 249.678	72.5296u	62.2147u	54.0915u
Ba 389.178	-3.0210	-0.9032	0.3305
Be 313.042	-0.2022u	-0.2033u	-0.2134u
Ca 370.602	756281	752515	750946
Cd 226.502	8.5814	9.2938	9.7788
Co 228.615	-10.8296u	-11.1990u	-10.2040u
Cr 267.716	-4.0516	-3.5858	-3.6615
Cu 324.754	1.0227	1.0521	1.6887
Fe 271.441	894108	891508	892669
K 766.491	29.0569	28.5110	28.3872
Mg 279.078	762899	761454	765246
Mn 257.610	5.6952	5.3866	5.2227
Mo 202.032	3.4734u	2.8711u	1.9000u
Na 330.237	-88.6538u	15.9326u	-267.611u
Ni 231.604	-19.2486	-17.8439	-17.7190
Pb 220.353	10.0694	10.5042	12.6181
Sb 206.834	-13.3083	6.5910	-1.2029
Se 196.026	-12.7400	-8.5585	13.9862
Sn 189.925	-4.5863u	-9.7494u	-5.0135u
Sr 216.596	8.6350	7.9053	8.2911
Ti 334.941	3.9731	3.4427	3.1216
Tl 190.794	-38.8835u	-45.3904u	-37.9924u
V 292.401	-27.9545u	-28.0333u	-27.9969u
Zn 206.200	11.2976u	15.4090u	15.4214u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5438	ppb	0.2962	54.5	-137.713
Al 308.215	818555	ppb	18916.0	2.3	5573738
As 188.980	34.3046	ppb	12.5005	36.4	19.1480
B 249.678	62.9453	ppb	9.2407	14.7	-982.167
Ba 389.178	-1.1979	ppb	1.6951	141.5	1445.90
Be 313.042	-0.2063	ppb	0.0062	3.0	-382.093
Ca 370.602	753247	ppb	2742	0.4	2051708
Cd 226.502	9.2180	ppb	0.6023	6.5	3782.47
Co 228.615	-10.7442	ppb	0.5030	4.7	-58.5385

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-3.7663	ppb	0.2500	6.6	268.180
Cu 324.754	1.2545	ppb	0.3763	30.0	727.206
Fe 271.441	892762	ppb	1302.84	0.1	1415350
K 766.491	28.6517	ppb	0.3563	1.2	1483.07
Mg 279.078	763200	ppb	1913.50	0.3	2075258
Mn 257.610	5.4348	ppb	0.2399	4.4	8362.94
Mo 202.032	2.7482	ppb	0.7939	28.9	-17.7625
Na 330.237	-113.444	ppb	143.388	126.4	-187.644
Ni 231.604	-18.2705	ppb	0.8493	4.6	15.2419
Pb 220.353	11.0639	ppb	1.3634	12.3	77.8834
Sb 206.834	-2.6401	ppb	10.0272	379.8	22.8240
Se 196.026	-2.4374	ppb	14.3761	589.8	10.9486
Sn 189.925	-6.4497	ppb	2.8655	44.4	-9.5655
Sr 216.596	8.2771	ppb	0.3651	4.4	1488.23
Ti 334.941	3.5124	ppb	0.4300	12.2	2507.24
Tl 190.794	-40.7554	ppb	4.0386	9.9	-173.713
V 292.401	-27.9949	ppb	0.0394	0.1	-408.770
Zn 206.200	14.0427	ppb	2.3773	16.9	-25.0162

LRA3 (Samp) **10/20/2014, 3:47:23 PM** **Rack S, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	0.2145	-0.0370u	0.0949
Al 308.215	27.6211	24.2232	20.1972
As 188.980	10.3098	5.2873	9.5300
B 249.678	19.5381	18.6278	16.9612
Ba 389.178	0.0822	-0.3511u	0.2868
Be 313.042	0.0052u	0.0073	0.0057u
Ca 370.602	30.79	25.56	16.26
Cd 226.502	0.0235	0.1583	-0.0598u
Co 228.615	0.0406	0.0112	0.0511
Cr 267.716	0.1690	0.2466	-0.0121
Cu 324.754	-0.0281u	0.1399	0.0764
Fe 271.441	37.9683	33.1151	22.4821
K 766.491	40515.3x	40652.7x	40320.6x
Mg 279.078	22.8544	20.8122	20.0839
Mn 257.610	0.1801	0.1571	0.1437
Mo 202.032	0.5771	-0.3668u	0.2617
Na 330.237	104910	105559	104955
Ni 231.604	0.1936	-0.9044u	-0.1607u
Pb 220.353	-0.1774u	2.0451	1.6149
Sb 206.834	-0.0348u	1.9119	2.1663
Se 196.026	-1.0270u	6.7922	10.3129
Sn 189.925	-1.5508u	-0.6673u	-2.3015u
Sr 216.596	-0.1479u	0.2498	0.2550
Ti 334.941	0.6754	0.6586	0.5817
Tl 190.794	2.0680	-0.2098u	-0.1915u
V 292.401	0.2119	-0.4971u	-0.1997u
Zn 206.200	29556.4x	29690.2x	29358.3x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0908b	ppb	0.1258	138.6	-11.4216
Al 308.215	24.0138b	ppb	3.7164	15.5	655.049

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	8.3757b	ppb	2.7029	32.3	-1.1203
B 249.678	18.3757b	ppb	1.3068	7.1	346.963
Ba 389.178	0.0060b	ppb	0.3257	5444.4	-67.5926
Be 313.042	0.0061b	ppb	0.0011	18.5	-278.651
Ca 370.602	24.20b	ppb	7.356	30.4	86.93
Cd 226.502	0.0406b	ppb	0.1101	270.8	17.8796
Co 228.615	0.0343b	ppb	0.0207	60.4	4.8992
Cr 267.716	0.1345b	ppb	0.1328	98.7	43.3071
Cu 324.754	0.0627b	ppb	0.0848	135.2	249.218
Fe 271.441	31.1885b	ppb	7.9209	25.4	58.3858
K 766.491	40496.2xb	ppb	166.893	0.4	1816645
Mg 279.078	21.2502b	ppb	1.4362	6.8	80.0248
Mn 257.610	0.1603b	ppb	0.0184	11.5	61.4905
Mo 202.032	0.1573b	ppb	0.4805	305.4	6.6131
Na 330.237	105141b	ppb	362.239	0.3	4265.27
Ni 231.604	-0.2905b	ppb	0.5604	192.9	-5.7283
Pb 220.353	1.1609b	ppb	1.1787	101.5	13.6163
Sb 206.834	1.3478b	ppb	1.2041	89.3	-0.5526
Se 196.026	5.3594b	ppb	5.8041	108.3	2.2851
Sn 189.925	-1.5065b	ppb	0.8180	54.3	-5.7715
Sr 216.596	0.1190b	ppb	0.2311	194.3	7.1057
Ti 334.941	0.6386b	ppb	0.0500	7.8	134.336
Tl 190.794	0.5556b	ppb	1.3099	235.8	-7.6964
V 292.401	-0.1616b	ppb	0.3560	220.3	-18.2688
Zn 206.200	29535.0xb	ppb	166.982	0.6	32401.6

Cont Calib Verif (CCV) **10/20/2014, 3:51:39 PM** **Rack 1, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	510.053	504.697	509.250
Al 308.215	4867.40	4859.35	4875.89
As 188.980	483.273	492.351	480.829
B 249.678	494.886	496.961	499.994
Ba 389.178	4994.28	4994.64	5004.90
Be 313.042	501.044	500.682	501.135
Ca 370.602	5056	5053	5045
Cd 226.502	498.723	496.910	499.797
Co 228.615	505.599	503.651	504.476
Cr 267.716	5033.53	5022.89	5032.77
Cu 324.754	5031.74	5013.31	5082.30
Fe 271.441	4941.66	4949.99	4952.46
K 766.491	10198.0	10198.0	10234.9
Mg 279.078	4929.40	4925.45	4947.35
Mn 257.610	5122.90	5121.34	5118.88
Mo 202.032	497.969	494.187	499.750
Na 330.237	7638.98	7280.06	7680.65
Ni 231.604	2526.53	2521.46	2525.24
Pb 220.353	509.032	505.587	503.612
Sb 206.834	965.179	966.202	963.443
Se 196.026	4937.47	4940.98	4974.04
Sn 189.925	4969.23	4959.89	4925.28
Sr 216.596	2480.92	2475.02	2499.34
Ti 334.941	494.337	493.983	495.560

Label	Replicates Concentration		
Tl 190.794	5069.17	5071.10	5084.08
V 292.401	4991.50	4987.23	4991.61
Zn 206.200	2503.39	2477.53	2504.68

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	508.000	ppb	2.8886	0.6	42889.6	101.59994
Al 308.215	4867.55	ppb	8.2707	0.2	34157.6	97.35091
As 188.980	485.484	ppb	6.0709	1.3	320.574	97.09690
B 249.678	497.280	ppb	2.5689	0.5	8385.07	99.45607
Ba 389.178	4997.94	ppb	6.0315	0.1	110348	99.95878
Be 313.042	500.954	ppb	0.2400	0.0	907272	100.19078
Ca 370.602	5051	ppb	5.528	0.1	14164	101.02390
Cd 226.502	498.477	ppb	1.4594	0.3	21457.7	99.69533
Co 228.615	504.576	ppb	0.9780	0.2	5841.89	100.91510
Cr 267.716	5029.73	ppb	5.9347	0.1	274390	100.59465
Cu 324.754	5042.45	ppb	35.7197	0.7	373589	100.84901
Fe 271.441	4948.04	ppb	5.6556	0.1	7965.66	98.96073
K 766.491	10210.3	ppb	21.3047	0.2	458179	102.10316
Mg 279.078	4934.06	ppb	11.6729	0.2	13333.8	98.68129
Mn 257.610	5121.04	ppb	2.0275	0.0	953767	102.42072
Mo 202.032	497.302	ppb	2.8413	0.6	3406.55	99.46040
Na 330.237	7533.23	ppb	220.241	2.9	318.461	100.44304
Ni 231.604	2524.41	ppb	2.6360	0.1	7881.02	100.97647
Pb 220.353	506.077	ppb	2.7433	0.5	820.905	101.21538
Sb 206.834	964.941	ppb	1.3949	0.1	1433.73	96.49409
Se 196.026	4950.83	ppb	20.1755	0.4	2311.00	99.01663
Sn 189.925	4951.47	ppb	23.1537	0.5	3761.84	99.02934
Sr 216.596	2485.09	ppb	12.6839	0.5	30883.4	99.40364
Ti 334.941	494.627	ppb	0.8275	0.2	146115	98.92540
Tl 190.794	5074.78	ppb	8.1093	0.2	5580.38	101.49567
V 292.401	4990.11	ppb	2.5002	0.1	126554	99.80227
Zn 206.200	2495.20	ppb	15.3166	0.6	2722.38	99.80791

Cont Calib Blank (CCB) **10/20/2014, 3:55:54 PM** **Rack 1, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0026u	-0.0336u	0.0615
Al 308.215	4.9439	3.2839	3.5195
As 188.980	2.7592	2.6580	-0.0013u
B 249.678	12.3811	11.3319	10.5495
Ba 389.178	0.9053	1.2341	-0.0293u
Be 313.042	0.0406	0.0366	0.0386
Ca 370.602	3.304	10.20	2.712
Cd 226.502	-0.0481u	0.0095	0.0679
Co 228.615	0.3276	0.4988	0.1074
Cr 267.716	0.5278	0.2646	0.4575
Cu 324.754	0.4303	0.5753	0.4612
Fe 271.441	6.2933	7.5979	3.1184
K 766.491	2.2952	1.8732	2.0128
Mg 279.078	7.0746	2.2018	3.6708
Mn 257.610	0.6127	0.5762	0.5860
Mo 202.032	0.7432	0.4644	0.1583
Na 330.237	-153.954u	-23.5527u	139.427

Label	Replicates Concentration		
Ni 231.604	-0.3855u	0.7804	0.3426
Pb 220.353	-2.7366u	-1.2663u	0.6675
Sb 206.834	2.7226	0.0326	1.8343
Se 196.026	0.4472	1.9768	0.0091
Sn 189.925	1.0492	0.0569	-2.6582u
Sr 216.596	0.1601	0.0814	0.1820
Ti 334.941	0.2423	0.2621	0.2167
Tl 190.794	0.2353	0.1944	4.4613
V 292.401	0.4508	-0.0387u	0.5384
Zn 206.200	3.6504	-0.4965u	0.8781

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0085	ppb	0.0485	573.5	-18.3777	0.00846
Al 308.215	3.9158	ppb	0.8981	22.9	518.277	3.91576
As 188.980	1.8053	ppb	1.5654	86.7	-5.5523	1.80532
B 249.678	11.4208	ppb	0.9190	8.0	230.206	11.42085
Ba 389.178	0.7034	ppb	0.6555	93.2	-52.2202	0.70336
Be 313.042	0.0386	ppb	0.0020	5.2	-208.850	0.03856
Ca 370.602	5.405	ppb	4.162	77.0	35.60	5.40503
Cd 226.502	0.0098	ppb	0.0580	594.3	17.0930	0.00977
Co 228.615	0.3113	ppb	0.1962	63.0	8.0545	0.31126
Cr 267.716	0.4166	ppb	0.1363	32.7	57.2882	0.41663
Cu 324.754	0.4890	ppb	0.0764	15.6	280.773	0.48897
Fe 271.441	5.6699	ppb	2.3039	40.6	17.9567	5.66987
K 766.491	2.0604	ppb	0.2150	10.4	290.324	2.06039
Mg 279.078	4.3157	ppb	2.4996	57.9	33.9704	4.31574
Mn 257.610	0.5916	ppb	0.0189	3.2	142.080	0.59161
Mo 202.032	0.4553	ppb	0.2925	64.3	8.6547	0.45529
Na 330.237	-12.6934	ppb	146.992	1158.0	24.7758	-12.69338
Ni 231.604	0.2458	ppb	0.5890	239.6	-4.0887	0.24584
Pb 220.353	-1.1118	ppb	1.7073	153.6	10.0010	-1.11178
Sb 206.834	1.5298	ppb	1.3706	89.6	-0.2941	1.52984
Se 196.026	0.8110	ppb	1.0331	127.4	0.1627	0.81100
Sn 189.925	-0.5173	ppb	1.9193	371.0	-5.0509	-0.51733
Sr 216.596	0.1412	ppb	0.0529	37.5	7.3294	0.14115
Ti 334.941	0.2404	ppb	0.0228	9.5	24.6859	0.24038
Tl 190.794	1.6303	ppb	2.4518	150.4	-6.5111	1.63030
V 292.401	0.3169	ppb	0.3110	98.2	-5.4545	0.31685
Zn 206.200	1.3440	ppb	2.1124	157.2	2.4864	1.34403

680-106200-b-1-a^10 (Samp) **10/20/2014, 4:00:09 PM** **Rack 1, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-0.2108	-0.2094	-0.4798u
Al 308.215	12170.9	12011.0	11832.0
As 188.980	30.6710	29.0593	25.7522
B 249.678	8.1481	8.1221	8.1764
Ba 389.178	530.542	522.932	516.148
Be 313.042	1.5856	1.5539	1.5351
Ca 370.602	7190	7085	6963
Cd 226.502	0.7086	0.5153	0.3720
Co 228.615	27.3822	27.0047	26.9699
Cr 267.716	42.3755	42.0076	41.4035

Label	Replicates Concentration		
Cu 324.754	52.4207	52.1819	51.1392
Fe 271.441	51477.5	51169.5	50452.3
K 766.491	738.992	727.526	718.146
Mg 279.078	1761.22	1740.49	1703.61
Mn 257.610	6425.52	6321.20	6198.08
Mo 202.032	3.8030	4.0952	3.6178
Na 330.237	242.718u	413.190u	143.728u
Ni 231.604	15.5552	15.2263	14.7656
Pb 220.353	212.482	204.400	197.838
Sb 206.834	-0.2600	3.3065	-2.0182u
Se 196.026	7.4768	-2.1834	-3.2984
Sn 189.925	12.2473	12.0207	15.4173
Sr 216.596	49.2575	47.7654	46.9448
Ti 334.941	151.749	149.749	147.655
Tl 190.794	-3.7214u	3.4390	1.0963u
V 292.401	66.1470	65.7287	64.6323
Zn 206.200	427.714	419.754	419.482

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3000	ppb	0.1557	51.9	-22.6818
Al 308.215	12004.7	ppb	169.536	1.4	82298.7
As 188.980	28.4941	ppb	2.5076	8.8	12.2369
B 249.678	8.1489	ppb	0.0271	0.3	56.4970
Ba 389.178	523.207	ppb	7.2011	1.4	11519.0
Be 313.042	1.5582	ppb	0.0255	1.6	2546.55
Ca 370.602	7079	ppb	113.7	1.6	19024
Cd 226.502	0.5320	ppb	0.1689	31.7	231.642
Co 228.615	27.1189	ppb	0.2286	0.8	324.563
Cr 267.716	41.9289	ppb	0.4908	1.2	2376.66
Cu 324.754	51.9139	ppb	0.6815	1.3	4110.26
Fe 271.441	51033.1	ppb	526.059	1.0	80918.3
K 766.491	728.221	ppb	10.4403	1.4	32862.1
Mg 279.078	1735.11	ppb	29.1796	1.7	4608.21
Mn 257.610	6314.93	ppb	113.847	1.8	1176203
Mo 202.032	3.8387	ppb	0.2407	6.3	29.3505
Na 330.237	266.545	ppb	136.302	51.1	15.5341
Ni 231.604	15.1824	ppb	0.3966	2.6	46.9062
Pb 220.353	204.907	ppb	7.3349	3.6	342.111
Sb 206.834	0.3427	ppb	2.7130	791.6	0.0944
Se 196.026	0.6650	ppb	5.9255	891.1	2.2442
Sn 189.925	13.2285	ppb	1.8990	14.4	5.4053
Sr 216.596	47.9893	ppb	1.1725	2.4	667.987
Ti 334.941	149.718	ppb	2.0473	1.4	44201.9
Tl 190.794	0.2713	ppb	3.6508	1345.7	-11.5443
V 292.401	65.5027	ppb	0.7823	1.2	1669.26
Zn 206.200	422.317	ppb	4.6766	1.1	461.804

680-106200-b-1-aSD (Samp) **10/20/2014, 4:04:24 PM** **Rack 1, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	0.1055	-0.0316	-0.0932u
Al 308.215	2449.54	2376.02	2254.99
As 188.980	3.8303	5.6068	2.4748

Label	Replicates Concentration		
B 249.678	3.5894	3.6224	3.5833
Ba 389.178	106.737	104.110	97.8094
Be 313.042	0.2952	0.2808	0.2712
Ca 370.602	1443	1414	1343
Cd 226.502	-0.0248	0.0122	-0.0825
Co 228.615	5.5690	5.7134	4.9013
Cr 267.716	8.6478	8.3228	7.9797
Cu 324.754	9.9816	10.4733	9.5994
Fe 271.441	10327.2	10038.6	9519.27
K 766.491	146.750	143.324	136.889
Mg 279.078	349.963	343.683	327.830
Mn 257.610	1321.65	1288.83	1222.77
Mo 202.032	0.8471	0.5170	0.9493
Na 330.237	63.2793u	114.844	61.4133u
Ni 231.604	3.5655	3.6978	1.9061
Pb 220.353	40.3109	39.6723	37.6690
Sb 206.834	-1.8569u	1.0217	0.6141
Se 196.026	8.6238	4.1011	3.9195
Sn 189.925	0.2991	-0.0654u	1.5413
Sr 216.596	9.7817	9.2774	8.4657
Ti 334.941	30.4571	29.4697	28.0073
Tl 190.794	0.8677	2.7982	0.4606u
V 292.401	12.7015	12.8576	12.3406
Zn 206.200	84.3013	81.7902	79.1387

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0064	ppb	0.1017	1587.0	-15.1594
Al 308.215	2360.19	ppb	98.2375	4.2	16575.2
As 188.980	3.9706	ppb	1.5707	39.6	-4.1331
B 249.678	3.5983	ppb	0.0210	0.6	75.7702
Ba 389.178	102.885	ppb	4.5880	4.5	2210.65
Be 313.042	0.2824	ppb	0.0121	4.3	233.409
Ca 370.602	1400	ppb	51.41	3.7	3782
Cd 226.502	-0.0317	ppb	0.0478	150.6	52.8077
Co 228.615	5.3946	ppb	0.4333	8.0	68.1144
Cr 267.716	8.3168	ppb	0.3341	4.0	499.161
Cu 324.754	10.0181	ppb	0.4381	4.4	990.585
Fe 271.441	9961.69	ppb	409.425	4.1	15802.5
K 766.491	142.321	ppb	5.0064	3.5	6581.67
Mg 279.078	340.492	ppb	11.4067	3.4	921.451
Mn 257.610	1277.75	ppb	50.3644	3.9	238015
Mo 202.032	0.7711	ppb	0.2260	29.3	10.3345
Na 330.237	79.8454	ppb	30.3236	38.0	24.7842
Ni 231.604	3.0565	ppb	0.9985	32.7	5.5379
Pb 220.353	39.2174	ppb	1.3784	3.5	75.0197
Sb 206.834	-0.0737	ppb	1.5577	2113.8	-2.1839
Se 196.026	5.5481	ppb	2.6652	48.0	2.8022
Sn 189.925	0.5917	ppb	0.8423	142.4	-4.2073
Sr 216.596	9.1749	ppb	0.6640	7.2	132.474
Ti 334.941	29.3114	ppb	1.2326	4.2	8616.48
Tl 190.794	1.3755	ppb	1.2488	90.8	-7.4606
V 292.401	12.6333	ppb	0.2652	2.1	311.139
Zn 206.200	81.7434	ppb	2.5816	3.2	90.1990

680-106200-b-1-aPDS (Samp) **10/20/2014, 4:08:40 PM** **Rack 1, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	108.187	106.888	103.390
Al 308.215	13295.3	12914.3	12615.2
As 188.980	134.436	128.404	127.757
B 249.678	212.990	209.338	205.798
Ba 389.178	615.022	597.323	584.824
Be 313.042	110.740	107.612	105.218
Ca 370.602	18340	17796	17380
Cd 226.502	105.612	103.099	100.487
Co 228.615	135.560	132.285	129.140
Cr 267.716	150.821	146.486	143.121
Cu 324.754	162.665	158.166	154.233
Fe 271.441	61668.1	59812.4	58393.3
K 766.491	11995.4	11665.2	11400.6
Mg 279.078	12263.3	11911.0	11638.1
Mn 257.610	7513.22	7320.91	7125.19
Mo 202.032	110.312	106.836	105.196
Na 330.237	8982.44	8866.23	8748.18
Ni 231.604	120.716	118.784	115.286
Pb 220.353	313.976	301.576	302.926
Sb 206.834	103.753	104.878	99.9771
Se 196.026	97.2170	95.8863	111.814
Sn 189.925	116.854	113.001	112.178
Sr 216.596	154.724	149.762	147.141
Ti 334.941	258.894	251.987	246.279
Tl 190.794	20.7603	24.6105	20.0264
V 292.401	175.399	170.328	167.012
Zn 206.200	523.879	520.559	500.419

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	106.155	ppb	2.4811	2.3	8978.79
Al 308.215	12941.6	ppb	340.842	2.6	88707.6
As 188.980	130.199	ppb	3.6835	2.8	80.7589
B 249.678	209.375	ppb	3.5959	1.7	3413.41
Ba 389.178	599.056	ppb	15.1731	2.5	13213.9
Be 313.042	107.857	ppb	2.7691	2.6	195072
Ca 370.602	17838	ppb	481.5	2.7	48440
Cd 226.502	103.066	ppb	2.5630	2.5	4671.94
Co 228.615	132.328	ppb	3.2103	2.4	1540.72
Cr 267.716	146.809	ppb	3.8601	2.6	8105.26
Cu 324.754	158.355	ppb	4.2195	2.7	11998.8
Fe 271.441	59957.9	ppb	1642.26	2.7	95081.2
K 766.491	11687.0	ppb	298.013	2.5	524417
Mg 279.078	11937.5	ppb	313.435	2.6	32334.3
Mn 257.610	7319.77	ppb	194.018	2.7	1363423
Mo 202.032	107.448	ppb	2.6122	2.4	738.574
Na 330.237	8865.62	ppb	117.132	1.3	417.098
Ni 231.604	118.262	ppb	2.7524	2.3	369.457
Pb 220.353	306.159	ppb	6.8028	2.2	503.769
Sb 206.834	102.870	ppb	2.5673	2.5	147.110
Se 196.026	101.639	ppb	8.8367	8.7	49.6968
Sn 189.925	114.011	ppb	2.4959	2.2	82.0721
Sr 216.596	150.542	ppb	3.8515	2.6	1955.88

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	252.387	ppb	6.3172	2.5	74557.1
Tl 190.794	21.7990	ppb	2.4623	11.3	11.5249
V 292.401	170.913	ppb	4.2237	2.5	4333.11
Zn 206.200	514.952	ppb	12.6955	2.5	562.686

680-106200-a-1-a ms (Samp) **10/20/2014, 4:12:56 PM** **Rack 1, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	6.0486	5.9884	5.5098
Al 308.215	15757.3	15388.4	14960.7
As 188.980	41.9971	38.4182	42.0151
B 249.678	27.5615	27.8341	27.2039
Ba 389.178	358.014	347.997	337.751
Be 313.042	7.6977	7.5140	7.2937
Ca 370.602	10987	10761	10481
Cd 226.502	6.3609	6.0156	5.6332
Co 228.615	21.7758	21.8442	21.1490
Cr 267.716	52.9452	52.0621	50.1841
Cu 324.754	66.7729	65.6108	63.3964
Fe 271.441	54503.3	53147.6	51686.3
K 766.491	1887.06	1838.23	1798.53
Mg 279.078	3407.68	3346.44	3249.19
Mn 257.610	1936.16	1893.45	1846.21
Mo 202.032	13.2161	13.3226	12.4711
Na 330.237	874.992	853.752	943.025
Ni 231.604	27.3107	26.9799	25.7377
Pb 220.353	264.454	258.691	250.886
Sb 206.834	4.1859	2.3528	0.0524
Se 196.026	10.1080	11.3905	8.3024
Sn 189.925	35.8068	35.3698	34.1003
Sr 216.596	67.7395	66.6156	64.8757
Ti 334.941	224.353	218.834	212.790
Tl 190.794	1.1932u	3.6097u	1.9192u
V 292.401	71.2833	69.6119	68.3614
Zn 206.200	456.679	444.638	428.867

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.8489	ppb	0.2952	5.0	473.879
Al 308.215	15368.8	ppb	398.704	2.6	105202
As 188.980	40.8101	ppb	2.0715	5.1	20.5628
B 249.678	27.5332	ppb	0.3160	1.1	376.865
Ba 389.178	347.920	ppb	10.1317	2.9	7650.72
Be 313.042	7.5018	ppb	0.2023	2.7	13313.4
Ca 370.602	10743	ppb	253.8	2.4	28953
Cd 226.502	6.0032	ppb	0.3640	6.1	474.764
Co 228.615	21.5897	ppb	0.3832	1.8	262.011
Cr 267.716	51.7305	ppb	1.4101	2.7	2891.16
Cu 324.754	65.2601	ppb	1.7154	2.6	5099.78
Fe 271.441	53112.4	ppb	1408.86	2.7	84214.1
K 766.491	1841.27	ppb	44.3429	2.4	82787.7
Mg 279.078	3334.44	ppb	79.9267	2.4	9046.13
Mn 257.610	1891.94	ppb	44.9905	2.4	352525
Mo 202.032	13.0033	ppb	0.4640	3.6	92.0269

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	890.590	ppb	46.6353	5.2	43.8613
Ni 231.604	26.6761	ppb	0.8293	3.1	83.0119
Pb 220.353	258.010	ppb	6.8097	2.6	425.718
Sb 206.834	2.1970	ppb	2.0711	94.3	2.7866
Se 196.026	9.9336	ppb	1.5514	15.6	5.5850
Sn 189.925	35.0923	ppb	0.8865	2.5	22.0369
Sr 216.596	66.4103	ppb	1.4429	2.2	900.903
Ti 334.941	218.659	ppb	5.7830	2.6	64576.0
Tl 190.794	2.2407	ppb	1.2399	55.3	-11.9313
V 292.401	69.7522	ppb	1.4660	2.1	1777.22
Zn 206.200	443.395	ppb	13.9477	3.1	484.799

680-106200-a-1-b msd (Samp) **10/20/2014, 4:17:12 PM** **Rack 1, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	6.3243	6.0051	5.5217
Al 308.215	14900.3	14513.4	14016.4
As 188.980	50.6708	46.5952	43.6851
B 249.678	27.2604	26.7458	26.9909
Ba 389.178	389.833	380.231	368.038
Be 313.042	7.7154	7.5029	7.2558
Ca 370.602	13004	12657	12209
Cd 226.502	7.0206	6.6159	6.2711
Co 228.615	21.5992	21.7802	20.8217
Cr 267.716	48.3034	47.2091	45.3526
Cu 324.754	175.661	168.853	164.119
Fe 271.441	54309.6	52802.1	51018.3
K 766.491	1794.88	1746.01	1696.05
Mg 279.078	3345.47	3264.21	3148.75
Mn 257.610	2607.52	2556.07	2509.16
Mo 202.032	13.5025	12.8003	12.4646
Na 330.237	934.355	911.500	758.683
Ni 231.604	33.5975	32.8583	31.1388
Pb 220.353	320.745	307.005	298.884
Sb 206.834	2.4358	0.2757	-1.2889
Se 196.026	13.3806	12.0733	14.2250
Sn 189.925	47.8467	46.0693	47.0907
Sr 216.596	77.7301	76.4117	72.9262
Ti 334.941	212.792	207.159	200.164
Tl 190.794	4.3117u	3.1180u	3.3501u
V 292.401	65.9958	63.8916	61.4757
Zn 206.200	599.003	583.217	565.732

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.9504	ppb	0.4041	6.8	485.587
Al 308.215	14476.7	ppb	443.092	3.1	99128.6
As 188.980	46.9837	ppb	3.5090	7.5	24.7207
B 249.678	26.9990	ppb	0.2574	1.0	368.881
Ba 389.178	379.367	ppb	10.9233	2.9	8344.95
Be 313.042	7.4913	ppb	0.2300	3.1	13294.5
Ca 370.602	12623	ppb	398.7	3.2	34116
Cd 226.502	6.6359	ppb	0.3751	5.7	500.317
Co 228.615	21.4004	ppb	0.5092	2.4	259.525

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	46.9551	ppb	1.4917	3.2	2633.68
Cu 324.754	169.544	ppb	5.8023	3.4	12822.0
Fe 271.441	52710.0	ppb	1647.56	3.1	83576.1
K 766.491	1745.65	ppb	49.4154	2.8	78498.4
Mg 279.078	3252.81	ppb	98.8572	3.0	8810.88
Mn 257.610	2557.58	ppb	49.1999	1.9	476487
Mo 202.032	12.9225	ppb	0.5296	4.1	91.5000
Na 330.237	868.180	ppb	95.5125	11.0	39.4824
Ni 231.604	32.5315	ppb	1.2615	3.9	101.268
Pb 220.353	308.878	ppb	11.0502	3.6	506.730
Sb 206.834	0.4742	ppb	1.8703	394.4	0.2495
Se 196.026	13.2263	ppb	1.0841	8.2	7.2687
Sn 189.925	47.0022	ppb	0.8920	1.9	31.0965
Sr 216.596	75.6893	ppb	2.4821	3.3	1016.48
Ti 334.941	206.705	ppb	6.3261	3.1	61043.6
Tl 190.794	3.5933	ppb	0.6329	17.6	-10.0582
V 292.401	63.7877	ppb	2.2618	3.5	1625.48
Zn 206.200	582.651	ppb	16.6431	2.9	637.601

680-106200-b-11-a^10 (Samp) **10/20/2014, 4:21:29 PM** **Rack 1, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-0.8558u	-0.8729u	-0.5447u
Al 308.215	15851.0	15461.9	14988.6
As 188.980	59.3630	66.9834	61.5377
B 249.678	3.7223u	4.1535u	4.4151u
Ba 389.178	391.992	382.846	370.197
Be 313.042	1.3633	1.3285	1.2885
Ca 370.602	9363	9113	8863
Cd 226.502	-0.6603	-0.7278	-0.9309
Co 228.615	55.2712	53.4489	52.1008
Cr 267.716	33.4648	32.5385	31.6549
Cu 324.754	41.5721	39.4960	39.9594
Fe 271.441	64006.2	62294.6	60586.8
K 766.491	761.872	742.859	722.144
Mg 279.078	3043.89	2969.88	2884.58
Mn 257.610	4773.04	4645.65	4528.58
Mo 202.032	3.9486	3.5057	3.5999
Na 330.237	124.017u	-21.0532u	72.9412u
Ni 231.604	24.1791	24.9678	23.4368
Pb 220.353	104.589	106.466	102.261
Sb 206.834	-3.3447u	1.1458	1.8340
Se 196.026	2.5049	2.9792	-7.6318u
Sn 189.925	4.2983	2.2016	1.4681
Sr 216.596	20.1332	19.5819	18.8567
Ti 334.941	146.512	142.605	138.429
Tl 190.794	1.1448u	0.0618u	-2.5556u
V 292.401	73.2023	71.1644	69.4093
Zn 206.200	99.5127	98.8333	96.7934

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7578	ppb	0.1847	24.4	-70.6335
Al 308.215	15433.9	ppb	431.892	2.8	105660

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	62.6280	ppb	3.9255	6.3	35.2225
B 249.678	4.0970	ppb	0.3498	8.5	-37.7189
Ba 389.178	381.678	ppb	10.9446	2.9	8400.76
Be 313.042	1.3268	ppb	0.0374	2.8	2128.87
Ca 370.602	9113	ppb	249.9	2.7	24419
Cd 226.502	-0.7730	ppb	0.1408	18.2	218.026
Co 228.615	53.6069	ppb	1.5911	3.0	631.346
Cr 267.716	32.5527	ppb	0.9050	2.8	1862.72
Cu 324.754	40.3425	ppb	1.0898	2.7	3258.21
Fe 271.441	62295.9	ppb	1709.67	2.7	98777.0
K 766.491	742.291	ppb	19.8701	2.7	33493.2
Mg 279.078	2966.12	ppb	79.7238	2.7	7987.75
Mn 257.610	4649.09	ppb	122.271	2.6	866010
Mo 202.032	3.6847	ppb	0.2333	6.3	27.7568
Na 330.237	58.6350	ppb	73.5856	125.5	11.0256
Ni 231.604	24.1945	ppb	0.7656	3.2	75.9674
Pb 220.353	104.439	ppb	2.1068	2.0	182.711
Sb 206.834	-0.1216	ppb	2.8124	2312.5	-0.3097
Se 196.026	-0.7159	ppb	5.9941	837.3	1.3819
Sn 189.925	2.6560	ppb	1.4688	55.3	-2.6371
Sr 216.596	19.5239	ppb	0.6402	3.3	327.855
Ti 334.941	142.515	ppb	4.0422	2.8	42077.5
Tl 190.794	-0.4497	ppb	1.9025	423.1	-14.5876
V 292.401	71.2587	ppb	1.8983	2.7	1819.83
Zn 206.200	98.3798	ppb	1.4152	1.4	105.941

680-106200-b-33-a^10 (Samp) **10/20/2014, 4:25:45 PM** **Rack 1, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.4982u	-0.0825	-0.5498u
Al 308.215	12908.8	12676.3	12442.3
As 188.980	19.3873	28.8055	26.8407
B 249.678	4.5578u	4.4709u	4.4774u
Ba 389.178	393.321	387.238	381.024
Be 313.042	1.9623	1.9208	1.8797
Ca 370.602	10044	9844	9686
Cd 226.502	0.0016	-0.0498	-0.2221
Co 228.615	23.2163	23.2525	22.0196
Cr 267.716	46.0102	44.7516	44.0614
Cu 324.754	26.3420	25.4231	25.0829
Fe 271.441	48923.3	48007.4	47108.2
K 766.491	830.985	816.093	804.297
Mg 279.078	935.910	917.997	906.571
Mn 257.610	4476.16	4391.83	4308.34
Mo 202.032	2.8887	2.9220	3.2018
Na 330.237	11.7168u	67.4469u	117.034u
Ni 231.604	12.1488	10.9616	11.5305
Pb 220.353	131.211	124.792	123.507
Sb 206.834	-2.0573u	-1.7630u	5.5933
Se 196.026	3.8093	-0.7497	0.5226
Sn 189.925	8.7932	10.1302	7.1819
Sr 216.596	54.2092	52.9487	51.7471
Ti 334.941	130.870	128.608	126.387

Label	Replicates Concentration		
Tl 190.794	0.4855u	3.1556u	-0.1628u
V 292.401	64.7785	62.9719	62.2878
Zn 206.200	237.050	228.976	228.744

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3768	ppb	0.2562	68.0	-38.4355
Al 308.215	12675.8	ppb	233.292	1.8	86861.6
As 188.980	25.0112	ppb	4.9685	19.9	9.9153
B 249.678	4.5020	ppb	0.0484	1.1	2.4000
Ba 389.178	387.194	ppb	6.1484	1.6	8511.99
Be 313.042	1.9210	ppb	0.0413	2.1	3205.36
Ca 370.602	9858	ppb	179.3	1.8	26612
Cd 226.502	-0.0901	ppb	0.1172	130.0	193.438
Co 228.615	22.8295	ppb	0.7016	3.1	274.370
Cr 267.716	44.9411	ppb	0.9881	2.2	2530.35
Cu 324.754	25.6160	ppb	0.6513	2.5	2161.55
Fe 271.441	48013.0	ppb	907.554	1.9	76129.8
K 766.491	817.125	ppb	13.3740	1.6	36849.9
Mg 279.078	920.159	ppb	14.7887	1.6	2430.27
Mn 257.610	4392.11	ppb	83.9098	1.9	818103
Mo 202.032	3.0041	ppb	0.1720	5.7	23.7798
Na 330.237	65.3993	ppb	52.6885	80.6	11.4263
Ni 231.604	11.5470	ppb	0.5938	5.1	35.2972
Pb 220.353	126.503	ppb	4.1269	3.3	216.847
Sb 206.834	0.5910	ppb	4.3346	733.5	0.3993
Se 196.026	1.1940	ppb	2.3525	197.0	2.0134
Sn 189.925	8.7018	ppb	1.4763	17.0	1.9619
Sr 216.596	52.9683	ppb	1.2311	2.3	727.445
Ti 334.941	128.622	ppb	2.2412	1.7	37966.7
Tl 190.794	1.1594	ppb	1.7588	151.7	-11.1270
V 292.401	63.3461	ppb	1.2868	2.0	1613.06
Zn 206.200	231.590	ppb	4.7298	2.0	252.703

680-106200-b-34-a^10 (Samp) **10/20/2014, 4:30:02 PM** **Rack 1, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	-0.8859u	-1.0054u	-0.7562u
Al 308.215	15682.3	15357.2	15030.3
As 188.980	19.0756	17.4266	14.7341
B 249.678	1.7694u	1.6893u	1.8723u
Ba 389.178	1000.96	981.750	959.025
Be 313.042	2.5942	2.5401	2.4825
Ca 370.602	3396	3318	3253
Cd 226.502	-0.5779	-0.6850	-0.8701
Co 228.615	35.7449	35.0622	34.4254
Cr 267.716	46.2470	45.2057	44.3957
Cu 324.754	9.7040	9.8059	9.5619
Fe 271.441	48464.4	47450.9	46531.7
K 766.491	572.207	561.438	551.516
Mg 279.078	742.566	730.172	717.488
Mn 257.610	9866.61	9630.87	9442.48
Mo 202.032	2.8359	2.6058	2.7396
Na 330.237	16.0442u	-228.743u	200.822u

Label	Replicates Concentration		
Ni 231.604	11.9510	12.5693	11.6279
Pb 220.353	47.7693	42.7349	44.8139
Sb 206.834	-0.1415	-0.7501	-4.0971u
Se 196.026	-0.6717	-0.5614	-6.9482u
Sn 189.925	-1.1330u	3.4145	5.0037
Sr 216.596	29.1655	27.8749	27.3830
Ti 334.941	74.7308	73.2048	71.6394
Tl 190.794	3.8305	2.2391	2.1771
V 292.401	66.3469	63.9343	63.1173
Zn 206.200	39.6215	39.6926	37.4708

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8825	ppb	0.1247	14.1	-53.0750
Al 308.215	15356.6	ppb	326.021	2.1	105108
As 188.980	17.0788	ppb	2.1916	12.8	4.5968
B 249.678	1.7770	ppb	0.0917	5.2	-42.1530
Ba 389.178	980.579	ppb	20.9925	2.1	21618.0
Be 313.042	2.5389	ppb	0.0558	2.2	4321.26
Ca 370.602	3322	ppb	71.34	2.1	8831
Cd 226.502	-0.7110	ppb	0.1478	20.8	164.845
Co 228.615	35.0775	ppb	0.6599	1.9	414.750
Cr 267.716	45.2828	ppb	0.9280	2.0	2574.51
Cu 324.754	9.6906	ppb	0.1225	1.3	982.013
Fe 271.441	47482.3	ppb	966.735	2.0	75290.1
K 766.491	561.720	ppb	10.3483	1.8	25393.7
Mg 279.078	730.075	ppb	12.5392	1.7	1803.43
Mn 257.610	9646.65	ppb	212.502	2.2	1796653
Mo 202.032	2.7271	ppb	0.1156	4.2	21.9043
Na 330.237	-3.9591	ppb	215.480	5442.7	13.0995
Ni 231.604	12.0494	ppb	0.4783	4.0	36.7937
Pb 220.353	45.1060	ppb	2.5299	5.6	88.4492
Sb 206.834	-1.6629	ppb	2.1299	128.1	-2.8349
Se 196.026	-2.7271	ppb	3.6560	134.1	1.4059
Sn 189.925	2.4284	ppb	3.1850	131.2	-2.8102
Sr 216.596	28.1411	ppb	0.9206	3.3	415.171
Ti 334.941	73.1917	ppb	1.5457	2.1	21588.0
Tl 190.794	2.7489	ppb	0.9372	34.1	-6.5706
V 292.401	64.4661	ppb	1.6792	2.6	1640.56
Zn 206.200	38.9283	ppb	1.2627	3.2	41.3690

680-106200-b-20-a^10 (Samp) **10/20/2014, 4:34:20 PM** **Rack 1, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	-1.1570u	-0.8463u	-1.2554u
Al 308.215	21317.6	20917.2	20347.5
As 188.980	21.8704	18.6332	23.4518
B 249.678	10.2376	9.7207	9.9914
Ba 389.178	745.438	732.939	713.048
Be 313.042	2.2744	2.2340	2.1682
Ca 370.602	27578	27137	26361
Cd 226.502	-0.6153	-0.6016	-0.7389
Co 228.615	59.7127	58.2690	56.9678
Cr 267.716	35.9943	35.5665	34.6580

Label	Replicates Concentration		
Cu 324.754	11.2460	11.0621	10.9340
Fe 271.441	51062.8	50424.4	49124.6
K 766.491	1618.30	1587.21	1550.03
Mg 279.078	4061.05	3991.16	3895.99
Mn 257.610	6503.06	6386.15	6205.48
Mo 202.032	2.6512	2.5922	1.8102
Na 330.237	22.3868u	174.698u	-0.5953u
Ni 231.604	11.4989	10.5310	10.7769
Pb 220.353	86.6533	84.4768	81.7614
Sb 206.834	-2.2954u	-2.9327u	-2.7457u
Se 196.026	-1.4841	-2.5701	0.7085
Sn 189.925	3.6418	4.0114	2.5264
Sr 216.596	56.2838	54.6260	52.9276
Ti 334.941	229.768	225.995	219.967
Tl 190.794	0.3829u	0.7989u	-0.0985u
V 292.401	68.7263	67.9209	66.3093
Zn 206.200	44.5038	42.3585	41.0352

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0863	ppb	0.2135	19.7	-88.7128
Al 308.215	20860.8	ppb	487.476	2.3	142579
As 188.980	21.3184	ppb	2.4562	11.5	7.4971
B 249.678	9.9833	ppb	0.2585	2.6	89.2612
Ba 389.178	730.475	ppb	16.3352	2.2	16099.7
Be 313.042	2.2255	ppb	0.0536	2.4	3763.09
Ca 370.602	27026	ppb	616.2	2.3	73672
Cd 226.502	-0.6519	ppb	0.0756	11.6	177.549
Co 228.615	58.3165	ppb	1.3731	2.4	686.763
Cr 267.716	35.4063	ppb	0.6824	1.9	2021.21
Cu 324.754	11.0807	ppb	0.1568	1.4	1086.06
Fe 271.441	50203.9	ppb	987.750	2.0	79607.7
K 766.491	1585.18	ppb	34.1818	2.2	71300.7
Mg 279.078	3982.74	ppb	82.8552	2.1	10715.1
Mn 257.610	6364.90	ppb	149.927	2.4	1185521
Mo 202.032	2.3512	ppb	0.4694	20.0	19.1987
Na 330.237	65.4967	ppb	95.2671	145.5	15.3723
Ni 231.604	10.9356	ppb	0.5031	4.6	33.4888
Pb 220.353	84.2971	ppb	2.4509	2.9	150.101
Sb 206.834	-2.6579	ppb	0.3276	12.3	-4.2888
Se 196.026	-1.1152	ppb	1.6702	149.8	1.4272
Sn 189.925	3.3932	ppb	0.7731	22.8	-2.0763
Sr 216.596	54.6125	ppb	1.6781	3.1	757.287
Ti 334.941	225.243	ppb	4.9436	2.2	66522.6
Tl 190.794	0.3611	ppb	0.4491	124.4	-11.1652
V 292.401	67.6522	ppb	1.2307	1.8	1725.17
Zn 206.200	42.6325	ppb	1.7504	4.1	45.3397

mb 680-353952/1-a (Samp) **10/20/2014, 4:38:37 PM** **Rack 1, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	0.0138	0.0150	0.1386
Al 308.215	3.4539	5.2133	3.6305
As 188.980	0.6065	-0.7090u	-2.7175u

Label	Replicates Concentration		
B 249.678	1.0268	1.1243	1.0822
Ba 389.178	0.8424	0.0874	-0.0138u
Be 313.042	0.0049	0.0007	0.0019
Ca 370.602	6.172	5.340	1.516
Cd 226.502	-0.0853u	-0.0908u	-0.0570u
Co 228.615	0.1685	0.3926	0.4254
Cr 267.716	-0.0425u	-0.0001	-0.2006u
Cu 324.754	-0.0976u	0.2024	-0.3311u
Fe 271.441	8.4712	12.2848	12.5811
K 766.491	0.9063	0.7041	0.2402
Mg 279.078	1.7285	-0.3241u	0.3453
Mn 257.610	0.8448	0.8263	0.8264
Mo 202.032	0.3311	0.4777	-0.1677u
Na 330.237	76.7122	137.231	-2.7659u
Ni 231.604	-1.9966u	-1.0381u	-0.3042u
Pb 220.353	0.4116	0.8487	0.0272
Sb 206.834	-1.1802u	0.8399	1.7026
Se 196.026	-2.5335u	1.0095	1.1588
Sn 189.925	-2.4882u	-2.9443u	3.5371
Sr 216.596	0.1627	-0.4270u	0.3214
Ti 334.941	0.0940	0.0621	0.0834
Tl 190.794	0.5758	-0.0874u	-0.1008u
V 292.401	-0.0361u	0.0464	-0.2368u
Zn 206.200	0.1959	-0.3730u	-0.4093u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0558	ppb	0.0717	128.5	-14.3742
Al 308.215	4.0993	ppb	0.9688	23.6	519.488
As 188.980	-0.9400	ppb	1.6740	178.1	-7.4041
B 249.678	1.0778	ppb	0.0489	4.5	56.6445
Ba 389.178	0.3054	ppb	0.4678	153.2	-61.0154
Be 313.042	0.0025	ppb	0.0022	88.7	-274.212
Ca 370.602	4.343	ppb	2.483	57.2	32.57
Cd 226.502	-0.0777	ppb	0.0182	23.4	13.3546
Co 228.615	0.3288	ppb	0.1398	42.5	8.2565
Cr 267.716	-0.0811	ppb	0.1057	130.3	30.1477
Cu 324.754	-0.0754	ppb	0.2675	354.7	238.983
Fe 271.441	11.1124	ppb	2.2921	20.6	26.5658
K 766.491	0.6169	ppb	0.3415	55.4	225.576
Mg 279.078	0.5832	ppb	1.0468	179.5	23.8156
Mn 257.610	0.8325	ppb	0.0107	1.3	186.924
Mo 202.032	0.2137	ppb	0.3383	158.3	7.0000
Na 330.237	70.3924	ppb	70.2120	99.7	28.7277
Ni 231.604	-1.1130	ppb	0.8487	76.3	-8.3331
Pb 220.353	0.4292	ppb	0.4110	95.8	12.4518
Sb 206.834	0.4541	ppb	1.4796	325.8	-1.8413
Se 196.026	-0.1217	ppb	2.0900	1717.0	-0.2723
Sn 189.925	-0.6318	ppb	3.6176	572.6	-5.1379
Sr 216.596	0.0190	ppb	0.3943	2076.0	5.8360
Ti 334.941	0.0799	ppb	0.0163	20.3	-22.7598
Tl 190.794	0.1292	ppb	0.3868	299.4	-8.1624
V 292.401	-0.0755	ppb	0.1456	192.9	-15.3883
Zn 206.200	-0.1955	ppb	0.3394	173.6	0.7988

Cont Calib Verif (CCV) **10/20/2014, 4:42:54 PM** **Rack 1, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	498.573	505.111	503.982
Al 308.215	4831.79	4829.50	4828.00
As 188.980	475.907	483.183	483.455
B 249.678	486.592	489.994	492.619
Ba 389.178	4962.95	4955.71	4965.30
Be 313.042	495.921	496.820	497.990
Ca 370.602	4982	4986	5004
Cd 226.502	499.452	499.452	499.827
Co 228.615	502.853	502.133	503.716
Cr 267.716	4993.26	4994.65	5004.72
Cu 324.754	5051.67	4999.03	5019.49
Fe 271.441	4905.19	4910.66	4921.18
K 766.491	10135.1	10163.1	10164.7
Mg 279.078	4900.61	4901.92	4910.46
Mn 257.610	5095.91	5080.82	5095.88
Mo 202.032	495.341	495.323	495.451
Na 330.237	7335.13	7469.66	7534.11
Ni 231.604	2529.14	2530.93	2523.87
Pb 220.353	502.805	505.189	501.004
Sb 206.834	960.749	962.572	961.998
Se 196.026	4928.65	4936.98	4973.76
Sn 189.925	4945.84	4964.02	4964.28
Sr 216.596	2473.09	2475.96	2492.45
Ti 334.941	490.049	489.799	490.871
Tl 190.794	5064.24	5051.25	5057.40
V 292.401	4935.06	4942.36	4949.50
Zn 206.200	2499.68	2486.40	2485.00

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.555	ppb	3.4945	0.7	42429.0	100.51109
Al 308.215	4829.76	ppb	1.9074	0.0	33896.9	96.59519
As 188.980	480.848	ppb	4.2816	0.9	317.447	96.16964
B 249.678	489.735	ppb	3.0215	0.6	8258.53	97.94698
Ba 389.178	4961.32	ppb	4.9977	0.1	109539	99.22638
Be 313.042	496.910	ppb	1.0372	0.2	899946	99.38206
Ca 370.602	4991	ppb	11.62	0.2	13997	99.81686
Cd 226.502	499.577	ppb	0.2163	0.0	21504.8	99.91539
Co 228.615	502.901	ppb	0.7926	0.2	5822.39	100.58012
Cr 267.716	4997.54	ppb	6.2527	0.1	272635	99.95086
Cu 324.754	5023.40	ppb	26.5346	0.5	372178	100.46792
Fe 271.441	4912.34	ppb	8.1258	0.2	7908.52	98.24686
K 766.491	10154.3	ppb	16.6348	0.2	455668	101.54327
Mg 279.078	4904.33	ppb	5.3517	0.1	13253.5	98.08658
Mn 257.610	5090.87	ppb	8.7026	0.2	948149	101.81742
Mo 202.032	495.372	ppb	0.0691	0.0	3393.37	99.07435
Na 330.237	7446.30	ppb	101.522	1.4	314.341	99.28400
Ni 231.604	2527.98	ppb	3.6707	0.1	7892.17	101.11918
Pb 220.353	502.999	ppb	2.0994	0.4	815.985	100.59987
Sb 206.834	961.773	ppb	0.9322	0.1	1428.89	96.17730
Se 196.026	4946.46	ppb	24.0047	0.5	2308.95	98.92929
Sn 189.925	4958.05	ppb	10.5718	0.2	3766.85	99.16091
Sr 216.596	2480.50	ppb	10.4459	0.4	30826.2	99.21994

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	490.240	ppb	0.5611	0.1	144819	98.04795
Tl 190.794	5057.63	ppb	6.4972	0.1	5561.45	101.15254
V 292.401	4942.31	ppb	7.2223	0.1	125340	98.84615
Zn 206.200	2490.36	ppb	8.1017	0.3	2717.15	99.61435

Cont Calib Blank (CCB) **10/20/2014, 4:47:08 PM** **Rack 1, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1431	0.0605	0.2411
Al 308.215	2.6201	3.4702	3.3542
As 188.980	3.3876	-3.3957u	-1.1623u
B 249.678	8.2290	6.9694	5.9525
Ba 389.178	0.0796	0.4188	0.3681
Be 313.042	0.0412	0.0375	0.0615
Ca 370.602	3.430	1.953	7.163
Cd 226.502	0.0612	0.0470	0.1050
Co 228.615	0.6408	-0.2496u	0.0864
Cr 267.716	0.3339	0.4944	0.8428
Cu 324.754	0.3648	0.3485	0.5363
Fe 271.441	5.4288	10.1487	6.7397
K 766.491	2.2880	1.9754	1.9079
Mg 279.078	0.2859	0.7345	1.7906
Mn 257.610	0.6294	0.7031	1.0077
Mo 202.032	0.1601	0.1659	0.1442
Na 330.237	182.934	99.7688	62.1249
Ni 231.604	0.2935	0.6247	0.0539
Pb 220.353	0.1900	-0.0050u	-2.0872u
Sb 206.834	2.2504	2.5811	0.5578
Se 196.026	1.7546	1.9970	5.6998
Sn 189.925	-2.4162u	-2.5884u	0.0464
Sr 216.596	0.8594	0.0005u	0.1570
Ti 334.941	0.1473	0.1585	0.2104
Tl 190.794	1.0947	0.0752	2.5621
V 292.401	0.3614	0.2736	0.6075
Zn 206.200	0.8320	0.3400	0.5660

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1482	ppb	0.0904	61.0	-6.5690	0.14823
Al 308.215	3.1482	ppb	0.4610	14.6	513.050	3.14817
As 188.980	-0.3902	ppb	3.4569	886.0	-7.0332	-0.39015
B 249.678	7.0503	ppb	1.1404	16.2	156.839	7.05031
Ba 389.178	0.2888	ppb	0.1829	63.3	-61.3825	0.28884
Be 313.042	0.0468	ppb	0.0129	27.6	-193.972	0.04676
Ca 370.602	4.182	ppb	2.685	64.2	32.20	4.18192
Cd 226.502	0.0711	ppb	0.0302	42.5	19.7385	0.07106
Co 228.615	0.1592	ppb	0.4497	282.5	6.3034	0.15919
Cr 267.716	0.5570	ppb	0.2602	46.7	64.9512	0.55704
Cu 324.754	0.4165	ppb	0.1040	25.0	275.398	0.41651
Fe 271.441	7.4390	ppb	2.4364	32.8	20.7472	7.43905
K 766.491	2.0571	ppb	0.2028	9.9	290.177	2.05712
Mg 279.078	0.9370	ppb	0.7725	82.4	24.7789	0.93698
Mn 257.610	0.7801	ppb	0.2005	25.7	177.151	0.78007
Mo 202.032	0.1567	ppb	0.0113	7.2	6.6093	0.15674

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	114.943	ppb	61.8175	53.8	30.8333	114.94259
Ni 231.604	0.3240	ppb	0.2867	88.5	-3.8438	0.32402
Pb 220.353	-0.6341	ppb	1.2622	199.1	10.7615	-0.63410
Sb 206.834	1.7964	ppb	1.0854	60.4	0.0953	1.79645
Se 196.026	3.1505	ppb	2.2111	70.2	1.2544	3.15048
Sn 189.925	-1.6528	ppb	1.4740	89.2	-5.9145	-1.65276
Sr 216.596	0.3389	ppb	0.4574	135.0	9.7816	0.33894
Ti 334.941	0.1721	ppb	0.0336	19.5	4.4852	0.17208
Tl 190.794	1.2440	ppb	1.2502	100.5	-6.9355	1.24400
V 292.401	0.4142	ppb	0.1731	41.8	-2.9496	0.41416
Zn 206.200	0.5794	ppb	0.2463	42.5	1.6468	0.57936

lcs 680-353952/2-a (Samp) **10/20/2014, 4:56:00 PM** **Rack 1, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	50.7689	50.6169	51.0470
Al 308.215	4785.12	4784.53	4784.35
As 188.980	96.9659	105.490	102.031
B 249.678	193.824	194.937	195.276
Ba 389.178	99.9525	99.7230	100.335
Be 313.042	50.5587	50.5653	50.5838
Ca 370.602	4923	4919	4909
Cd 226.502	50.2776	49.9597	50.3014
Co 228.615	49.4183	50.2084	50.2773
Cr 267.716	102.155	102.515	102.388
Cu 324.754	102.472	100.084	100.529
Fe 271.441	4961.34	4955.80	4962.07
K 766.491	4951.78	4954.92	4953.91
Mg 279.078	4781.02	4788.47	4780.78
Mn 257.610	519.499	518.206	518.326
Mo 202.032	99.2605	99.7159	98.0785
Na 330.237	4757.03	4651.79	4804.71
Ni 231.604	100.615	99.1240	100.304
Pb 220.353	496.680	496.367	498.640
Sb 206.834	51.8244	50.9935	49.8693
Se 196.026	101.848	94.4695	93.3844
Sn 189.925	190.492	194.539	191.839
Sr 216.596	98.1030	99.0815	98.7174
Ti 334.941	100.729	100.278	100.335
Tl 190.794	38.3916	39.5037	39.7439
V 292.401	100.076	99.9305	99.7588
Zn 206.200	101.822	100.014	101.699

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.8109	ppb	0.2181	0.4	4276.00
Al 308.215	4784.67	ppb	0.3993	0.0	33083.7
As 188.980	101.496	ppb	4.2872	4.2	61.6797
B 249.678	194.679	ppb	0.7596	0.4	3294.16
Ba 389.178	100.003	ppb	0.3090	0.3	2151.11
Be 313.042	50.5693	ppb	0.0130	0.0	91306.8
Ca 370.602	4917	ppb	7.153	0.1	13480
Cd 226.502	50.1796	ppb	0.1908	0.4	2191.86
Co 228.615	49.9680	ppb	0.4773	1.0	581.839

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	102.353	ppb	0.1827	0.2	5621.87
Cu 324.754	101.028	ppb	1.2697	1.3	7730.48
Fe 271.441	4959.74	ppb	3.4272	0.1	7879.11
K 766.491	4953.54	ppb	1.6029	0.0	222388
Mg 279.078	4783.42	ppb	4.3726	0.1	13018.4
Mn 257.610	518.677	ppb	0.7143	0.1	96669.3
Mo 202.032	99.0182	ppb	0.8451	0.9	683.502
Na 330.237	4737.84	ppb	78.2473	1.7	245.328
Ni 231.604	100.014	ppb	0.7866	0.8	307.910
Pb 220.353	497.229	ppb	1.2322	0.2	802.731
Sb 206.834	50.8957	ppb	0.9812	1.9	70.2695
Se 196.026	96.5674	ppb	4.6054	4.8	45.0302
Sn 189.925	192.290	ppb	2.0610	1.1	141.616
Sr 216.596	98.6340	ppb	0.4945	0.5	1237.83
Ti 334.941	100.447	ppb	0.2453	0.2	29642.9
Tl 190.794	39.2131	ppb	0.7215	1.8	34.3769
V 292.401	99.9219	ppb	0.1589	0.2	2509.88
Zn 206.200	101.179	ppb	1.0102	1.0	111.456

480-69175-c-1-a (Samp) **10/20/2014, 5:00:16 PM** **Rack 1, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	0.0499u	-0.1187u	0.0392u
Al 308.215	18.8146	18.3454	20.0528
As 188.980	2.3407	-2.9545u	5.8713
B 249.678	977.024	982.836	985.761
Ba 389.178	58.1053	57.2701	56.8959
Be 313.042	-0.0568u	-0.0531u	-0.0544u
Ca 370.602	217093	218185	217231
Cd 226.502	0.1594	0.2163	-0.0014
Co 228.615	0.7957	1.2642	1.7869
Cr 267.716	0.8113	0.9460	0.8454
Cu 324.754	2.3101	2.3469	2.3338
Fe 271.441	1834.30	1842.05	1843.07
K 766.491	3163.73	3180.48	3185.70
Mg 279.078	6432.09	6428.92	6440.19
Mn 257.610	105.440	105.745	105.543
Mo 202.032	14.4511	14.0470	13.6288
Na 330.237	108383x	108934x	108858x
Ni 231.604	1.6949	2.5670	2.7061
Pb 220.353	-1.9758u	0.1095	4.3590
Sb 206.834	-0.4299u	-0.9623u	2.1603
Se 196.026	8.3174	0.4080	1.1569
Sn 189.925	-1.9704u	-1.1373u	-5.1767u
Sr 216.596	300.027	300.670	300.225
Ti 334.941	1.1430	1.1228	1.1361
Tl 190.794	-2.6491u	-0.1276u	-2.6917u
V 292.401	0.3874	0.1383	0.2206
Zn 206.200	15.0061	15.5121	12.2207

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0099b	ppb	0.0944	953.3	-30.7528
Al 308.215	19.0709b	ppb	0.8821	4.6	625.403

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.7525b	ppb	4.4422	253.5	-5.6039
B 249.678	981.874b	ppb	4.4475	0.5	16508.6
Ba 389.178	57.4238b	ppb	0.6192	1.1	1210.61
Be 313.042	-0.0547b	ppb	0.0019	3.4	-316.900
Ca 370.602	217503b	ppb	594.3	0.3	595412
Cd 226.502	0.1248b	ppb	0.1129	90.5	28.3268
Co 228.615	1.2823b	ppb	0.4958	38.7	19.0458
Cr 267.716	0.8676b	ppb	0.0700	8.1	85.4938
Cu 324.754	2.3303b	ppb	0.0187	0.8	418.478
Fe 271.441	1839.80b	ppb	4.7971	0.3	2925.83
K 766.491	3176.64b	ppb	11.4778	0.4	142685
Mg 279.078	6433.73b	ppb	5.8118	0.1	17516.8
Mn 257.610	105.576b	ppb	0.1554	0.1	19742.5
Mo 202.032	14.0423b	ppb	0.4112	2.9	101.644
Na 330.237	108725xb	ppb	298.829	0.3	5159.51
Ni 231.604	2.3227b	ppb	0.5481	23.6	2.5554
Pb 220.353	0.8309b	ppb	3.2284	388.6	13.2161
Sb 206.834	0.2560b	ppb	1.6705	652.4	-2.3010
Se 196.026	3.2941b	ppb	4.3664	132.6	1.3712
Sn 189.925	-2.7615b	ppb	2.1328	77.2	-6.7226
Sr 216.596	300.307b	ppb	0.3292	0.1	3833.40
Ti 334.941	1.1339b	ppb	0.0103	0.9	291.547
Tl 190.794	-1.8228b	ppb	1.4682	80.5	-10.5446
V 292.401	0.2488b	ppb	0.1269	51.0	-9.4160
Zn 206.200	14.2463b	ppb	1.7723	12.4	16.5536

480-69175-c-1-b ms (Samp) **10/20/2014, 5:04:31 PM** **Rack 1, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	52.9167	52.9081	53.0439
Al 308.215	5081.19	5072.37	5070.47
As 188.980	103.421	103.951	107.433
B 249.678	1216.05	1218.64	1217.57
Ba 389.178	156.051	157.161	155.881
Be 313.042	49.7779	49.8727	49.8335
Ca 370.602	229735	229598	229476
Cd 226.502	48.9217	48.7162	48.8081
Co 228.615	49.4647	50.3827	50.2588
Cr 267.716	99.9812	99.4611	99.6204
Cu 324.754	106.732	105.772	105.787
Fe 271.441	6708.18	6715.55	6699.56
K 766.491	9582.12	9565.22	9528.16
Mg 279.078	11427.8	11427.5	11401.7
Mn 257.610	613.161	613.433	612.560
Mo 202.032	110.832	111.094	111.794
Na 330.237	119173x	118498x	118406x
Ni 231.604	100.109	98.0834	99.6069
Pb 220.353	484.714	480.516	477.066
Sb 206.834	50.8954	54.6703	55.2172
Se 196.026	93.5452	102.374	107.125
Sn 189.925	186.168	185.019	190.541
Sr 216.596	405.257	405.682	406.106
Ti 334.941	100.119	100.158	100.097

Label	Replicates Concentration		
Tl 190.794	35.5440	33.1461	37.4921
V 292.401	99.0474	99.1293	98.5991
Zn 206.200	110.796	109.636	110.576

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.9562b	ppb	0.0760	0.1	4446.30
Al 308.215	5074.68b	ppb	5.7192	0.1	35061.4
As 188.980	104.935b	ppb	2.1791	2.1	63.9879
B 249.678	1217.42b	ppb	1.3028	0.1	20450.2
Ba 389.178	156.364b	ppb	0.6952	0.4	3406.24
Be 313.042	49.8280b	ppb	0.0476	0.1	90027.2
Ca 370.602	229603b	ppb	129.6	0.1	628534
Cd 226.502	48.8153b	ppb	0.1029	0.2	2139.15
Co 228.615	50.0354b	ppb	0.4981	1.0	582.402
Cr 267.716	99.6876b	ppb	0.2665	0.3	5480.12
Cu 324.754	106.097b	ppb	0.5501	0.5	8107.06
Fe 271.441	6707.76b	ppb	8.0047	0.1	10650.4
K 766.491	9558.50b	ppb	27.5975	0.3	428942
Mg 279.078	11419.0b	ppb	14.9885	0.1	31061.9
Mn 257.610	613.051b	ppb	0.4471	0.1	114295
Mo 202.032	111.240b	ppb	0.4975	0.4	767.143
Na 330.237	118692xb	ppb	418.629	0.4	5626.56
Ni 231.604	99.2663b	ppb	1.0548	1.1	305.723
Pb 220.353	480.765b	ppb	3.8300	0.8	776.665
Sb 206.834	53.5943b	ppb	2.3533	4.4	73.9573
Se 196.026	101.015b	ppb	6.8912	6.8	47.1518
Sn 189.925	187.243b	ppb	2.9137	1.6	137.814
Sr 216.596	405.682b	ppb	0.4248	0.1	5152.32
Ti 334.941	100.125b	ppb	0.0309	0.0	29550.4
Tl 190.794	35.3941b	ppb	2.1769	6.2	29.9506
V 292.401	98.9253b	ppb	0.2854	0.3	2482.63
Zn 206.200	110.336b	ppb	0.6162	0.6	121.429

480-69175-c-1-c msd (Samp) **10/20/2014, 5:08:47 PM** **Rack 1, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	50.7626	50.8627	51.0901
Al 308.215	5006.15	5001.50	5004.75
As 188.980	106.236	104.243	102.452
B 249.678	1162.11	1165.35	1168.72
Ba 389.178	150.918	150.837	151.351
Be 313.042	49.0643	49.0748	49.1846
Ca 370.602	216043	217291	217675
Cd 226.502	47.9849	48.1262	48.2591
Co 228.615	48.5570	49.5869	49.2191
Cr 267.716	98.2281	98.1960	98.6781
Cu 324.754	104.414	105.740	105.338
Fe 271.441	6518.71	6529.60	6526.28
K 766.491	9246.92	9248.79	9189.82
Mg 279.078	10982.6	10985.4	11014.9
Mn 257.610	601.495	603.683	605.607
Mo 202.032	109.587	110.500	109.983
Na 330.237	111125x	110997x	110954x

Label	Replicates Concentration		
Ni 231.604	98.4478	97.2294	98.6573
Pb 220.353	471.300	477.283	472.360
Sb 206.834	52.4341	55.1685	49.2315
Se 196.026	106.604	92.0862	101.260
Sn 189.925	181.832	186.254	183.811
Sr 216.596	384.062	384.777	385.890
Ti 334.941	98.5980	98.6276	98.7248
Tl 190.794	39.1667	31.6489	34.7742
V 292.401	97.7794	97.7731	97.7365
Zn 206.200	106.955	104.979	108.469

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.9051b	ppb	0.1678	0.3	4273.67
Al 308.215	5004.14b	ppb	2.3830	0.0	34580.7
As 188.980	104.311b	ppb	1.8930	1.8	63.5673
B 249.678	1165.39b	ppb	3.3075	0.3	19577.7
Ba 389.178	151.035b	ppb	0.2762	0.2	3287.79
Be 313.042	49.1079b	ppb	0.0667	0.1	88718.8
Ca 370.602	217003b	ppb	853.3	0.4	594042
Cd 226.502	48.1234b	ppb	0.1371	0.3	2108.77
Co 228.615	49.1210b	ppb	0.5219	1.1	571.823
Cr 267.716	98.3674b	ppb	0.2696	0.3	5407.83
Cu 324.754	105.164b	ppb	0.6802	0.6	8037.87
Fe 271.441	6524.86b	ppb	5.5780	0.1	10360.3
K 766.491	9228.51b	ppb	33.5188	0.4	414140
Mg 279.078	10994.3b	ppb	17.9057	0.2	29907.3
Mn 257.610	603.595b	ppb	2.0570	0.3	112530
Mo 202.032	110.023b	ppb	0.4578	0.4	758.819
Na 330.237	111025xb	ppb	89.0638	0.1	5264.58
Ni 231.604	98.1115b	ppb	0.7711	0.8	302.101
Pb 220.353	473.648b	ppb	3.1923	0.7	765.334
Sb 206.834	52.2780b	ppb	2.9715	5.7	72.0627
Se 196.026	99.9835b	ppb	7.3428	7.3	46.6649
Sn 189.925	183.965b	ppb	2.2149	1.2	135.318
Sr 216.596	384.909b	ppb	0.9214	0.2	4887.84
Ti 334.941	98.6501b	ppb	0.0663	0.1	29114.3
Tl 190.794	35.1966b	ppb	3.7767	10.7	29.7509
V 292.401	97.7630b	ppb	0.0232	0.0	2453.31
Zn 206.200	106.801b	ppb	1.7505	1.6	117.565

680-106246-a-1-a (Samp) **10/20/2014, 5:13:02 PM** **Rack 1, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2268u	-0.0425u	0.0349u
Al 308.215	170.048	172.143	172.164
As 188.980	124.639	119.711	121.664
B 249.678	19302.9x	19374.9x	19363.3x
Ba 389.178	529.005	527.352	528.496
Be 313.042	0.1483	0.1549	0.1523
Ca 370.602	134067	134266	133740
Cd 226.502	0.2006	0.2013	0.3440
Co 228.615	32.8970	32.3764	32.7742
Cr 267.716	75.0627	74.7770	74.8530

Label	Replicates Concentration		
Cu 324.754	3.0098	2.8134	2.6206
Fe 271.441	2082.21	2092.52	2080.28
K 766.491	358458x	359481x	358779x
Mg 279.078	93383.9	93343.2	93205.4
Mn 257.610	386.834	387.189	385.946
Mo 202.032	4.4859	4.3809	4.7593
Na 330.237	1948351x	1947358x	1949173x
Ni 231.604	102.583	101.824	100.213
Pb 220.353	0.5125	0.5892	-0.2171u
Sb 206.834	32.3579	27.6010	26.8961
Se 196.026	13.9500	22.0377	9.6996
Sn 189.925	5.5323	6.9289	1.7786
Sr 216.596	893.258	895.270	891.775
Ti 334.941	49.3798	49.5265	49.3012
Tl 190.794	-5.6720u	-7.8087u	-6.1038u
V 292.401	90.4650	90.1476	89.6707
Zn 206.200	28.3005	30.9254	27.6241

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0781b	ppb	0.1345	172.1	-56.1070
Al 308.215	171.452b	ppb	1.2157	0.7	1671.31
As 188.980	122.005b	ppb	2.4816	2.0	75.5111
B 249.678	19347.0xb	ppb	38.6426	0.2	324649
Ba 389.178	528.284b	ppb	0.8462	0.2	11731.4
Be 313.042	0.1518b	ppb	0.0033	2.2	-191.336
Ca 370.602	134024b	ppb	265.3	0.2	366916
Cd 226.502	0.2486b	ppb	0.0826	33.2	23.9961
Co 228.615	32.6825b	ppb	0.2722	0.8	383.713
Cr 267.716	74.8976b	ppb	0.1480	0.2	4161.96
Cu 324.754	2.8146b	ppb	0.1946	6.9	452.736
Fe 271.441	2085.00b	ppb	6.5814	0.3	3319.24
K 766.491	358906xb	ppb	523.389	0.1	16098829
Mg 279.078	93310.8b	ppb	93.5246	0.1	253776
Mn 257.610	386.656b	ppb	0.6404	0.2	72651.9
Mo 202.032	4.5421b	ppb	0.1954	4.3	36.4536
Na 330.237	1948294xb	ppb	908.781	0.0	92038.3
Ni 231.604	101.540b	ppb	1.2103	1.2	312.470
Pb 220.353	0.2949b	ppb	0.4450	150.9	12.4768
Sb 206.834	28.9517b	ppb	2.9709	10.3	39.9344
Se 196.026	15.2291b	ppb	6.2677	41.2	7.0089
Sn 189.925	4.7466b	ppb	2.6635	56.1	-0.4125
Sr 216.596	893.434b	ppb	1.7539	0.2	11183.8
Ti 334.941	49.4025b	ppb	0.1144	0.2	14558.2
Tl 190.794	-6.5282b	ppb	1.1298	17.3	-15.3295
V 292.401	90.0944b	ppb	0.3998	0.4	2260.99
Zn 206.200	28.9500b	ppb	1.7439	6.0	32.4377

680-106246-a-1-a^10 (Samp) **10/20/2014, 5:17:18 PM** **Rack 1, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	-0.1709u	-0.0514u	-0.1147u
Al 308.215	18.1282	17.5989	18.7583
As 188.980	14.2425	13.8770	11.9520

Label	Replicates Concentration		
B 249.678	2081.83	2029.59	1977.91
Ba 389.178	55.2050	52.9340	52.7677
Be 313.042	0.0094	0.0063u	0.0087
Ca 370.602	13422	13166	12935
Cd 226.502	0.0719	0.0778	0.0287
Co 228.615	3.6446	3.3044	2.8219
Cr 267.716	7.6756	7.4892	7.4326
Cu 324.754	0.1910	0.1134	0.2681
Fe 271.441	216.174	215.317	215.556
K 766.491	40231.8x	39346.4x	38440.3x
Mg 279.078	9867.32	9660.28	9463.58
Mn 257.610	39.5256	38.8247	38.1860
Mo 202.032	0.2322	1.0315	0.2648
Na 330.237	158599x	154293x	151971x
Ni 231.604	11.2610	11.2394	11.5314
Pb 220.353	-1.2792u	-0.3878u	2.7048
Sb 206.834	0.8333	4.7736	0.8264
Se 196.026	1.5679	4.6633	-2.2755u
Sn 189.925	-2.2423u	4.8231	-3.0110u
Sr 216.596	93.7241	90.7664	90.0855
Ti 334.941	5.1049	4.9594	4.8880
Tl 190.794	-3.1308u	0.5403	0.1974
V 292.401	8.8739	8.7026	9.0151
Zn 206.200	5.1104	3.3824	2.6366

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1123b	ppb	0.0597	53.2	-31.7336
Al 308.215	18.1618b	ppb	0.5804	3.2	616.461
As 188.980	13.3572b	ppb	1.2306	9.2	2.2383
B 249.678	2029.78b	ppb	51.9633	2.6	34094.8
Ba 389.178	53.6356b	ppb	1.3617	2.5	1130.45
Be 313.042	0.0082b	ppb	0.0016	20.1	-278.539
Ca 370.602	13174b	ppb	243.7	1.9	36086
Cd 226.502	0.0595b	ppb	0.0268	45.1	19.1572
Co 228.615	3.2570b	ppb	0.4134	12.7	42.2581
Cr 267.716	7.5325b	ppb	0.1271	1.7	448.836
Cu 324.754	0.1909b	ppb	0.0774	40.5	258.669
Fe 271.441	215.682b	ppb	0.4425	0.2	351.369
K 766.491	39339.5xb	ppb	895.774	2.3	1764762
Mg 279.078	9663.73b	ppb	201.894	2.1	26302.3
Mn 257.610	38.8454b	ppb	0.6700	1.7	7329.76
Mo 202.032	0.5095b	ppb	0.4524	88.8	9.0069
Na 330.237	154954xb	ppb	3363.39	2.2	7343.44
Ni 231.604	11.3439b	ppb	0.1627	1.4	30.5939
Pb 220.353	0.3460b	ppb	2.0909	604.4	12.3433
Sb 206.834	2.1444b	ppb	2.2770	106.2	0.6750
Se 196.026	1.3186b	ppb	3.4761	263.6	0.4114
Sn 189.925	-0.1434b	ppb	4.3182	3011.4	-4.7158
Sr 216.596	91.5253b	ppb	1.9344	2.1	1150.46
Ti 334.941	4.9841b	ppb	0.1105	2.2	1430.90
Tl 190.794	-0.7977b	ppb	2.0278	254.2	-9.1654
V 292.401	8.8639b	ppb	0.1565	1.8	210.587
Zn 206.200	3.7098b	ppb	1.2690	34.2	5.0493

680-106262-c-3-a^500 (Samp) **10/20/2014, 5:21:35 PM** **Rack 1, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3318	-0.3483u	-0.3625u
Al 308.215	4.2559	4.6608	4.9139
As 188.980	-2.9612u	2.6133	-0.1966u
B 249.678	89.5555	81.5967	74.9077
Ba 389.178	0.7711	0.3860	0.4365
Be 313.042	0.0063	0.0059	0.0081
Ca 370.602	80.60	80.11	83.01
Cd 226.502	-0.1595u	0.0248	-0.0028u
Co 228.615	-0.1428u	-0.0818u	-0.1060u
Cr 267.716	0.1405	-0.0105u	0.0056
Cu 324.754	0.1627	-0.2349u	-0.1806u
Fe 271.441	1.7835	7.4408	8.3147
K 766.491	38.5085	37.9156	38.6508
Mg 279.078	7.4369	12.4267	15.3253
Mn 257.610	0.3360	0.3236	0.3861
Mo 202.032	1.2099	1.1929	1.2252
Na 330.237	14478.1	14538.9	14503.9
Ni 231.604	-0.4234u	0.9547	0.0050
Pb 220.353	-1.1437u	0.2251	-0.7351u
Sb 206.834	-0.5481u	-2.8495u	-0.6389u
Se 196.026	-2.3180u	-3.2518u	6.4959
Sn 189.925	0.7681	-2.5274u	-1.3116u
Sr 216.596	0.4448	-0.0255u	-0.0188u
Ti 334.941	0.0181	0.0252	0.0905
Tl 190.794	-0.9150u	3.6482	0.5619
V 292.401	0.1357	-0.1406u	-0.2434u
Zn 206.200	0.6042	2.3045	1.5702

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1263	ppb	0.3968	314.2	-29.7674
Al 308.215	4.6102	ppb	0.3319	7.2	523.009
As 188.980	-0.1815	ppb	2.7872	1535.8	-6.8926
B 249.678	82.0199	ppb	7.3331	8.9	1414.74
Ba 389.178	0.5312	ppb	0.2093	39.4	-56.0108
Be 313.042	0.0068	ppb	0.0012	17.4	-268.202
Ca 370.602	81.24	ppb	1.550	1.9	243.1
Cd 226.502	-0.0458	ppb	0.0994	216.9	14.6041
Co 228.615	-0.1102	ppb	0.0307	27.9	3.1576
Cr 267.716	0.0452	ppb	0.0830	183.5	37.3258
Cu 324.754	-0.0842	ppb	0.2156	255.9	238.362
Fe 271.441	5.8464	ppb	3.5456	60.6	18.1793
K 766.491	38.3583	ppb	0.3899	1.0	1918.46
Mg 279.078	11.7296	ppb	3.9901	34.0	54.1373
Mn 257.610	0.3486	ppb	0.0331	9.5	96.8025
Mo 202.032	1.2093	ppb	0.0162	1.3	13.8205
Na 330.237	14507.0	ppb	30.5438	0.2	710.514
Ni 231.604	0.1788	ppb	0.7053	394.5	-4.2972
Pb 220.353	-0.5513	ppb	0.7027	127.5	10.8912
Sb 206.834	-1.3455	ppb	1.3033	96.9	-4.4392
Se 196.026	0.3087	ppb	5.3786	1742.2	-0.0717
Sn 189.925	-1.0236	ppb	1.6665	162.8	-5.4312
Sr 216.596	0.1335	ppb	0.2696	202.0	7.2419

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0446	ppb	0.0399	89.4	-34.3579
Tl 190.794	1.0984	ppb	2.3284	212.0	-7.1003
V 292.401	-0.0827	ppb	0.1961	237.0	-15.8238
Zn 206.200	1.4930	ppb	0.8528	57.1	2.6509

680-106247-a-3-a^10 (Samp) **10/20/2014, 5:25:51 PM** **Rack 1, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	0.0641	0.2864	-0.0343u
Al 308.215	4.4560	2.9773	4.0875
As 188.980	1.8925	-0.2623u	2.8747
B 249.678	49.5598	47.5079	46.2997
Ba 389.178	2.8116	2.9519	2.9752
Be 313.042	0.0032	-0.0035u	-0.0030u
Ca 370.602	4437	4375	4290
Cd 226.502	-0.1033u	0.0397	0.0379
Co 228.615	0.2446	-0.2243u	0.1106
Cr 267.716	-0.0094u	0.1265	-0.0174u
Cu 324.754	0.7469	0.7417	0.8025
Fe 271.441	12.3127	10.7738	17.5713
K 766.491	2756.94	2708.14	2648.28
Mg 279.078	2163.95	2125.22	2079.10
Mn 257.610	6.0201	5.8399	5.8595
Mo 202.032	-0.1725u	0.3970	0.0755
Na 330.237	13936.1	13689.6	13610.0
Ni 231.604	1.6453	0.0300	0.5758
Pb 220.353	-0.6774u	-1.6127u	-0.0722u
Sb 206.834	0.7690	0.2779	2.1172
Se 196.026	8.7712	-2.4496u	-1.1063u
Sn 189.925	-1.1624u	0.2131	0.5000
Sr 216.596	24.2394	23.6309	23.3962
Ti 334.941	0.0355	0.0077	-0.0060
Tl 190.794	-1.3054u	3.6614	0.6861
V 292.401	0.2413	0.0701	0.0091
Zn 206.200	1.9768	2.4030	1.7703

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1054	ppb	0.1643	155.9	-11.0017
Al 308.215	3.8403	ppb	0.7697	20.0	517.733
As 188.980	1.5016	ppb	1.6046	106.9	-5.7571
B 249.678	47.7891	ppb	1.6481	3.4	840.373
Ba 389.178	2.9129	ppb	0.0885	3.0	-0.4820
Be 313.042	-0.0011	ppb	0.0038	338.1	-280.941
Ca 370.602	4368	ppb	73.81	1.7	11977
Cd 226.502	-0.0086	ppb	0.0820	959.2	16.2756
Co 228.615	0.0436	ppb	0.2415	553.7	4.9650
Cr 267.716	0.0332	ppb	0.0809	243.5	36.6868
Cu 324.754	0.7637	ppb	0.0337	4.4	301.112
Fe 271.441	13.5526	ppb	3.5643	26.3	30.4235
K 766.491	2704.45	ppb	54.4221	2.0	121505
Mg 279.078	2122.76	ppb	42.4814	2.0	5795.03
Mn 257.610	5.9065	ppb	0.0989	1.7	1145.83
Mo 202.032	0.1000	ppb	0.2855	285.5	6.2209

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	13745.2	ppb	170.021	1.2	674.537
Ni 231.604	0.7504	ppb	0.8216	109.5	-2.5112
Pb 220.353	-0.7874	ppb	0.7762	98.6	10.5187
Sb 206.834	1.0547	ppb	0.9524	90.3	-0.9748
Se 196.026	1.7384	ppb	6.1275	352.5	0.5968
Sn 189.925	-0.1498	ppb	0.8886	593.3	-4.7668
Sr 216.596	23.7555	ppb	0.4352	1.8	303.095
Ti 334.941	0.0124	ppb	0.0211	170.2	-40.0229
Tl 190.794	1.0140	ppb	2.4996	246.5	-7.1871
V 292.401	0.1068	ppb	0.1204	112.7	-10.8158
Zn 206.200	2.0500	ppb	0.3226	15.7	3.2616

680-106247-a-6-a^10 (Samp) **10/20/2014, 5:30:08 PM** **Rack 1, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	-0.0001u	0.0605	-0.3676u
Al 308.215	7.6763	6.0208	7.8773
As 188.980	-0.9402u	1.4312	-3.1254u
B 249.678	37.4900	35.5218	34.5335
Ba 389.178	1.4985	1.3461	0.9657
Be 313.042	0.0047	0.0115	0.0070
Ca 370.602	3988	3869	3761
Cd 226.502	-0.0872u	-0.1540u	0.0354
Co 228.615	-0.2923u	-0.5714u	-0.4883u
Cr 267.716	0.2141	0.2223	0.0931
Cu 324.754	0.4312	0.3108	0.3910
Fe 271.441	252.896	233.840	235.649
K 766.491	2337.81	2274.32	2218.88
Mg 279.078	1283.20	1241.14	1207.39
Mn 257.610	60.7888	58.8632	57.0870
Mo 202.032	0.3446	0.6665	0.1149
Na 330.237	10077.4	9701.22	9489.31
Ni 231.604	-0.6088u	1.0917	0.2376
Pb 220.353	2.2002	-2.3008u	-0.1635u
Sb 206.834	-1.1353u	-0.2534u	-0.2653u
Se 196.026	3.8599	-3.7053u	-2.5224u
Sn 189.925	-1.8041u	1.0301	-1.4264u
Sr 216.596	20.6045	20.0064	20.2136
Ti 334.941	0.0617	0.0360	0.0781
Tl 190.794	1.6575	-1.3338u	-0.0144u
V 292.401	0.6846	0.3192	0.1504
Zn 206.200	0.3958	1.2059	1.6911

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1024	ppb	0.2317	226.2	-28.2004
Al 308.215	7.1915	ppb	1.0188	14.2	540.959
As 188.980	-0.8781	ppb	2.2789	259.5	-7.3638
B 249.678	35.8484	ppb	1.5051	4.2	639.506
Ba 389.178	1.2701	ppb	0.2744	21.6	-37.8705
Be 313.042	0.0077	ppb	0.0034	44.2	-264.641
Ca 370.602	3872	ppb	113.8	2.9	10620
Cd 226.502	-0.0686	ppb	0.0961	140.1	14.5593
Co 228.615	-0.4507	ppb	0.1433	31.8	-0.7355

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.1765	ppb	0.0724	41.0	44.7836
Cu 324.754	0.3777	ppb	0.0613	16.2	272.631
Fe 271.441	240.795	ppb	10.5186	4.4	390.629
K 766.491	2277.00	ppb	59.5113	2.6	102332
Mg 279.078	1243.91	ppb	37.9808	3.1	3403.90
Mn 257.610	58.9130	ppb	1.8514	3.1	11012.0
Mo 202.032	0.3753	ppb	0.2771	73.8	8.0962
Na 330.237	9755.99	ppb	297.857	3.1	486.089
Ni 231.604	0.2401	ppb	0.8502	354.1	-4.0847
Pb 220.353	-0.0881	ppb	2.2515	2557.0	11.6568
Sb 206.834	-0.5514	ppb	0.5058	91.7	-3.2746
Se 196.026	-0.7892	ppb	4.0695	515.6	-0.5673
Sn 189.925	-0.7335	ppb	1.5390	209.8	-5.2121
Sr 216.596	20.2749	ppb	0.3037	1.5	259.827
Ti 334.941	0.0586	ppb	0.0212	36.2	-27.5970
Tl 190.794	0.1031	ppb	1.4991	1453.9	-8.1940
V 292.401	0.3847	ppb	0.2730	71.0	-3.6817
Zn 206.200	1.0976	ppb	0.6544	59.6	2.2058

680-106247-a-10-a^10 (Samp) **10/20/2014, 5:34:26 PM** **Rack 1, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	0.1989	-0.0820u	0.2616
Al 308.215	24.0456	23.6166	22.4518
As 188.980	-0.8114u	-1.2230u	0.3723
B 249.678	29.8712	28.9807	28.5258
Ba 389.178	3.4464	3.9100	3.7588
Be 313.042	0.0074	-0.0002u	0.0119
Ca 370.602	386.2	376.5	369.8
Cd 226.502	-0.0475u	-0.0053u	0.0093
Co 228.615	0.0829	0.0108	-0.4646u
Cr 267.716	0.2936	0.0937	0.1849
Cu 324.754	0.3222	0.3284	0.3181
Fe 271.441	14.5716	22.0531	12.7605
K 766.491	604.505	593.603	579.120
Mg 279.078	101.310	100.982	98.1339
Mn 257.610	10.2300	10.0451	9.7631
Mo 202.032	0.1737	0.1411	0.0332
Na 330.237	11020.3	10831.3	10505.4
Ni 231.604	0.3927	-0.3838u	0.1209
Pb 220.353	0.7979	0.2930	-1.8653u
Sb 206.834	-2.0119u	-0.1851u	-0.8631u
Se 196.026	1.2154	-1.4613u	-3.9710u
Sn 189.925	2.4683	-1.3517u	-0.4993u
Sr 216.596	2.9603	3.2575	3.0887
Ti 334.941	0.0719	-0.0085u	0.0605
Tl 190.794	3.2359	0.0604	-0.5589u
V 292.401	0.1504	0.1424	-0.0275u
Zn 206.200	1.4585	4.1624	1.4390

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1262	ppb	0.1830	145.0	-8.4837
Al 308.215	23.3713	ppb	0.8247	3.5	650.682

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.5540	ppb	0.8282	149.5	-7.1436
B 249.678	29.1259	ppb	0.6844	2.3	527.191
Ba 389.178	3.7051	ppb	0.2364	6.4	14.2176
Be 313.042	0.0064	ppb	0.0061	96.3	-268.250
Ca 370.602	377.5	ppb	8.203	2.2	1054
Cd 226.502	-0.0145	ppb	0.0295	203.2	16.0257
Co 228.615	-0.1236	ppb	0.2974	240.6	3.0292
Cr 267.716	0.1907	ppb	0.1001	52.5	45.2393
Cu 324.754	0.3229	ppb	0.0052	1.6	268.477
Fe 271.441	16.4618	ppb	4.9262	29.9	35.0148
K 766.491	592.409	ppb	12.7344	2.1	26770.3
Mg 279.078	100.142	ppb	1.7469	1.7	294.374
Mn 257.610	10.0127	ppb	0.2351	2.3	1897.19
Mo 202.032	0.1160	ppb	0.0735	63.4	6.3302
Na 330.237	10785.6	ppb	260.485	2.4	534.749
Ni 231.604	0.0433	ppb	0.3940	910.8	-4.7196
Pb 220.353	-0.2581	ppb	1.4145	548.0	11.3613
Sb 206.834	-1.0200	ppb	0.9235	90.5	-3.9526
Se 196.026	-1.4056	ppb	2.5937	184.5	-0.8692
Sn 189.925	0.2058	ppb	2.0052	974.6	-4.4973
Sr 216.596	3.1022	ppb	0.1491	4.8	44.3676
Ti 334.941	0.0413	ppb	0.0435	105.3	-34.8533
Tl 190.794	0.9125	ppb	2.0358	223.1	-7.2980
V 292.401	0.0884	ppb	0.1005	113.6	-11.2999
Zn 206.200	2.3533	ppb	1.5668	66.6	3.5936

Cont Calib Verif (CCV) **10/20/2014, 5:38:42 PM** **Rack 1, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	503.838	506.326	504.382
Al 308.215	4833.08	4826.78	4834.28
As 188.980	477.815	486.794	486.484
B 249.678	494.763	495.583	498.519
Ba 389.178	4958.87	4957.31	4963.09
Be 313.042	499.312	496.689	497.859
Ca 370.602	5047	5035	5046
Cd 226.502	495.616	493.907	494.287
Co 228.615	502.809	502.069	503.399
Cr 267.716	5011.43	5006.70	5018.56
Cu 324.754	5030.98	5064.43	5040.43
Fe 271.441	4911.32	4900.29	4913.11
K 766.491	10117.6	10134.8	10168.8
Mg 279.078	4904.53	4903.60	4901.15
Mn 257.610	5134.43	5154.91	5132.28
Mo 202.032	496.696	497.678	497.147
Na 330.237	7476.23	7501.43	7197.82
Ni 231.604	2518.76	2506.48	2514.40
Pb 220.353	498.339	496.218	500.675
Sb 206.834	963.276	962.051	967.093
Se 196.026	4967.49	4933.29	4971.48
Sn 189.925	4941.12	4888.65	4916.85
Sr 216.596	2462.38	2459.49	2462.54
Ti 334.941	491.248	491.437	492.558

Label	Replicates Concentration		
Tl 190.794	5081.87	5048.03	5078.59
V 292.401	4986.89	4992.72	4993.89
Zn 206.200	2479.87	2471.96	2482.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	504.848	ppb	1.3079	0.3	42624.5	100.96968
Al 308.215	4831.38	ppb	4.0286	0.1	33908.4	96.62761
As 188.980	483.698	ppb	5.0965	1.1	319.369	96.73952
B 249.678	496.288	ppb	1.9749	0.4	8368.49	99.25764
Ba 389.178	4959.75	ppb	2.9895	0.1	109505	99.19509
Be 313.042	497.953	ppb	1.3139	0.3	901836	99.59066
Ca 370.602	5043	ppb	6.442	0.1	14138	100.85414
Cd 226.502	494.603	ppb	0.8974	0.2	21291.1	98.92068
Co 228.615	502.759	ppb	0.6659	0.1	5820.79	100.55178
Cr 267.716	5012.23	ppb	5.9713	0.1	273436	100.24461
Cu 324.754	5045.28	ppb	17.2454	0.3	373799	100.90559
Fe 271.441	4908.24	ppb	6.9434	0.1	7901.79	98.16473
K 766.491	10140.4	ppb	26.0664	0.3	455043	101.40405
Mg 279.078	4903.10	ppb	1.7441	0.0	13250.4	98.06190
Mn 257.610	5140.54	ppb	12.4950	0.2	957399	102.81077
Mo 202.032	497.174	ppb	0.4915	0.1	3405.70	99.43471
Na 330.237	7391.83	ppb	168.485	2.3	312.231	98.55772
Ni 231.604	2513.21	ppb	6.2238	0.2	7846.04	100.52850
Pb 220.353	498.411	ppb	2.2294	0.4	808.676	99.68217
Sb 206.834	964.140	ppb	2.6299	0.3	1432.11	96.41398
Se 196.026	4957.42	ppb	20.9921	0.4	2314.06	99.14841
Sn 189.925	4915.54	ppb	26.2573	0.5	3734.51	98.31079
Sr 216.596	2461.47	ppb	1.7130	0.1	30589.6	98.45877
Ti 334.941	491.748	ppb	0.7083	0.1	145264	98.34957
Tl 190.794	5069.50	ppb	18.6658	0.4	5574.51	101.38998
V 292.401	4991.17	ppb	3.7510	0.1	126583	99.82338
Zn 206.200	2478.25	ppb	5.6599	0.2	2703.93	99.13010

Cont Calib Blank (CCB) **10/20/2014, 5:42:56 PM** **Rack 1, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.1646	-0.1566u	0.1749
Al 308.215	4.7688	3.0691	3.3323
As 188.980	-0.9299u	-1.5654u	-0.5265u
B 249.678	13.6872	13.1471	12.1345
Ba 389.178	0.1308	0.1286	0.3494
Be 313.042	0.0518	0.0429	0.0509
Ca 370.602	-0.7379u	1.638	1.821
Cd 226.502	-0.0682u	-0.1138u	0.0004
Co 228.615	0.0694	-0.1826u	-0.0536u
Cr 267.716	0.3426	0.3934	0.4019
Cu 324.754	0.3443	-0.0233u	0.4189
Fe 271.441	-0.1993u	3.6558	6.3268
K 766.491	2.4618	2.9191	2.8346
Mg 279.078	-0.5016u	-2.8082u	0.6729
Mn 257.610	0.5873	0.5409	0.6437
Mo 202.032	0.2636	0.2341	0.3197
Na 330.237	96.2957	-82.0731u	18.1065

Label	Replicates Concentration		
Ni 231.604	0.2173	0.0014	0.7192
Pb 220.353	0.4249	-0.7908u	-1.1041u
Sb 206.834	-0.3095u	3.1604	-1.4240u
Se 196.026	1.1857	6.1966	1.7157
Sn 189.925	-3.7118u	-2.7621u	-0.0469u
Sr 216.596	0.0842	0.1153	0.4173
Ti 334.941	0.1250	0.1490	0.1259
Tl 190.794	3.4246	2.5802	2.1679
V 292.401	0.4395	0.6374	0.4374
Zn 206.200	-0.0378u	1.2183	1.8040

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0610	ppb	0.1885	309.1	-13.9317	0.06098
Al 308.215	3.7234	ppb	0.9148	24.6	516.951	3.72341
As 188.980	-1.0073	ppb	0.5238	52.0	-7.4493	-1.00726
B 249.678	12.9896	ppb	0.7882	6.1	256.539	12.98961
Ba 389.178	0.2029	ppb	0.1269	62.5	-63.2840	0.20293
Be 313.042	0.0485	ppb	0.0049	10.1	-190.746	0.04853
Ca 370.602	0.9071	ppb	1.427	157.4	23.29	0.90706
Cd 226.502	-0.0605	ppb	0.0575	94.9	14.0580	-0.06053
Co 228.615	-0.0556	ppb	0.1260	226.7	3.8203	-0.05560
Cr 267.716	0.3793	ppb	0.0321	8.5	55.2500	0.37930
Cu 324.754	0.2467	ppb	0.2367	96.0	262.817	0.24667
Fe 271.441	3.2611	ppb	3.2809	100.6	14.0818	3.26111
K 766.491	2.7385	ppb	0.2433	8.9	320.740	2.73849
Mg 279.078	-0.8790	ppb	1.7710	201.5	19.8433	-0.87899
Mn 257.610	0.5907	ppb	0.0515	8.7	141.860	0.59066
Mo 202.032	0.2725	ppb	0.0435	16.0	7.4026	0.27249
Na 330.237	10.7764	ppb	89.4101	829.7	25.8962	10.77641
Ni 231.604	0.3126	ppb	0.3683	117.8	-3.8792	0.31263
Pb 220.353	-0.4900	ppb	0.8077	164.8	10.9901	-0.49002
Sb 206.834	0.4756	ppb	2.3909	502.7	-1.8030	0.47561
Se 196.026	3.0326	ppb	2.7528	90.8	1.1993	3.03264
Sn 189.925	-2.1736	ppb	1.9020	87.5	-6.3107	-2.17358
Sr 216.596	0.2056	ppb	0.1840	89.5	8.1155	0.20559
Ti 334.941	0.1333	ppb	0.0136	10.2	-6.9587	0.13332
Tl 190.794	2.7242	ppb	0.6406	23.5	-5.3084	2.72424
V 292.401	0.5048	ppb	0.1149	22.8	-0.6360	0.50478
Zn 206.200	0.9949	ppb	0.9410	94.6	2.1035	0.99485

480-69017-a-1-a^10 (Samp) **10/20/2014, 5:47:11 PM** **Rack 1, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	0.1479	0.1542	-0.0432u
Al 308.215	7.5361	7.8534	7.5359
As 188.980	-3.9768u	-3.6445u	1.1407
B 249.678	10.4355	10.1974	9.3716
Ba 389.178	8.8062	8.8326	8.8452
Be 313.042	0.0138	0.0177	0.0205
Ca 370.602	5525	5555	5522
Cd 226.502	0.0790	0.0421	-0.0495u
Co 228.615	0.7860	0.3010	0.5151
Cr 267.716	0.1572	0.2628	0.1903

Label	Replicates Concentration		
Cu 324.754	1.1240	1.0262	1.1683
Fe 271.441	16.4346	14.8795	13.0704
K 766.491	1892.65	1907.36	1897.22
Mg 279.078	814.146	813.298	809.959
Mn 257.610	3.2488	3.3144	3.2871
Mo 202.032	-0.0005u	-0.0128u	-0.0169u
Na 330.237	24418.8	24386.9	24173.2
Ni 231.604	0.6342	0.0956	-0.3784u
Pb 220.353	0.3858	-1.0102u	-0.6872u
Sb 206.834	-0.2702u	0.1660	-0.4935u
Se 196.026	1.0482	3.8195	1.6769
Sn 189.925	-3.7080u	-1.8122u	-2.5736u
Sr 216.596	76.2791	76.4075	75.5770
Ti 334.941	0.0463	0.0500	0.0392
Tl 190.794	-0.5494u	3.5671	0.0047
V 292.401	0.3091	0.1695	0.1616
Zn 206.200	1.5969	1.4179	1.5186

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0863	ppb	0.1122	130.0	-14.3462
Al 308.215	7.6418	ppb	0.1832	2.4	543.598
As 188.980	-2.1602	ppb	2.8635	132.6	-8.2270
B 249.678	10.0015	ppb	0.5583	5.6	206.367
Ba 389.178	8.8280	ppb	0.0199	0.2	128.347
Be 313.042	0.0173	ppb	0.0033	19.3	-248.290
Ca 370.602	5534	ppb	18.49	0.3	15170
Cd 226.502	0.0239	ppb	0.0662	276.8	17.5807
Co 228.615	0.5340	ppb	0.2430	45.5	10.6394
Cr 267.716	0.2034	ppb	0.0540	26.6	46.1764
Cu 324.754	1.1062	ppb	0.0727	6.6	326.469
Fe 271.441	14.7948	ppb	1.6837	11.4	32.4450
K 766.491	1899.07	ppb	7.5286	0.4	85380.4
Mg 279.078	812.468	ppb	2.2135	0.3	2231.71
Mn 257.610	3.2834	ppb	0.0330	1.0	648.627
Mo 202.032	-0.0101	ppb	0.0086	84.8	5.4667
Na 330.237	24326.3	ppb	133.523	0.5	1174.26
Ni 231.604	0.1171	ppb	0.5066	432.5	-4.4906
Pb 220.353	-0.4372	ppb	0.7308	167.2	11.0751
Sb 206.834	-0.1992	ppb	0.3354	168.3	-2.7721
Se 196.026	2.1815	ppb	1.4529	66.6	0.8029
Sn 189.925	-2.6980	ppb	0.9540	35.4	-6.7016
Sr 216.596	76.0879	ppb	0.4471	0.6	955.224
Ti 334.941	0.0452	ppb	0.0055	12.1	-33.5854
Tl 190.794	1.0075	ppb	2.2339	221.7	-7.1938
V 292.401	0.2134	ppb	0.0830	38.9	-8.1861
Zn 206.200	1.5112	ppb	0.0897	5.9	2.6700

480-69017-a-2-a^10 (Samp) **10/20/2014, 5:51:26 PM** **Rack 1, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	0.0398	0.4962	0.0561
Al 308.215	4.8865	5.5181	5.0708
As 188.980	2.2076	2.7833	4.3889

Label	Replicates Concentration		
B 249.678	7.5754	8.1299	7.8038
Ba 389.178	8.3271	8.4341	8.8117
Be 313.042	0.0156	0.0109	0.0090
Ca 370.602	5422	5390	5393
Cd 226.502	0.0085	-0.1247u	-0.0656u
Co 228.615	0.6216	-0.2627u	0.0858
Cr 267.716	0.0488	0.0354	-0.0643u
Cu 324.754	2.6843	2.5955	2.7883
Fe 271.441	5.3167	10.8554	11.4213
K 766.491	1799.21	1797.32	1799.74
Mg 279.078	789.540	790.606	788.448
Mn 257.610	2.6893	2.6228	2.6432
Mo 202.032	0.0252	-0.0595u	-0.1377u
Na 330.237	24448.0	24361.8	24449.2
Ni 231.604	2.0039	-0.3635u	0.2544
Pb 220.353	0.9256	0.5467	0.9256
Sb 206.834	0.8121	0.8847	0.9633
Se 196.026	2.2552	8.0640	5.2052
Sn 189.925	-0.8408u	-2.2253u	-1.5293u
Sr 216.596	76.3185	76.2086	76.7390
Ti 334.941	0.0631	0.0159	0.0616
Tl 190.794	-1.1404u	0.1208	1.1858
V 292.401	0.0481	0.1918	-0.0321u
Zn 206.200	2.5176	2.3229	2.7327

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1974	ppb	0.2589	131.2	-4.9876
Al 308.215	5.1585	ppb	0.3248	6.3	526.668
As 188.980	3.1266	ppb	1.1304	36.2	-4.6609
B 249.678	7.8363	ppb	0.2786	3.6	170.055
Ba 389.178	8.5243	ppb	0.2546	3.0	121.606
Be 313.042	0.0118	ppb	0.0034	28.8	-258.265
Ca 370.602	5402	ppb	17.26	0.3	14808
Cd 226.502	-0.0606	ppb	0.0667	110.2	13.9226
Co 228.615	0.1482	ppb	0.4454	300.5	6.1789
Cr 267.716	0.0066	ppb	0.0618	931.0	35.4357
Cu 324.754	2.6893	ppb	0.0965	3.6	443.699
Fe 271.441	9.1978	ppb	3.3730	36.7	23.5142
K 766.491	1798.75	ppb	1.2721	0.1	80880.6
Mg 279.078	789.532	ppb	1.0792	0.1	2169.35
Mn 257.610	2.6518	ppb	0.0341	1.3	530.844
Mo 202.032	-0.0573	ppb	0.0815	142.1	5.1435
Na 330.237	24419.7	ppb	50.1117	0.2	1178.63
Ni 231.604	0.6316	ppb	1.2279	194.4	-2.8829
Pb 220.353	0.7993	ppb	0.2187	27.4	13.0410
Sb 206.834	0.8867	ppb	0.0756	8.5	-1.2136
Se 196.026	5.1748	ppb	2.9045	56.1	2.1993
Sn 189.925	-1.5318	ppb	0.6922	45.2	-5.8145
Sr 216.596	76.4220	ppb	0.2799	0.4	959.336
Ti 334.941	0.0469	ppb	0.0268	57.2	-33.1177
Tl 190.794	0.0554	ppb	1.1645	2101.8	-8.2412
V 292.401	0.0693	ppb	0.1135	163.8	-11.8365
Zn 206.200	2.5244	ppb	0.2050	8.1	3.7825

640-49394-q-5-a^500 (Samp) **10/20/2014, 5:55:41 PM** **Rack 1, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2751	-0.0053u	0.0822
Al 308.215	4.6702	3.8320	4.0418
As 188.980	-2.3663u	-3.2485u	-1.1192u
B 249.678	23.4109	23.5388	22.9521
Ba 389.178	4.4347	3.1935	3.7191
Be 313.042	0.0076	0.0107	0.0109
Ca 370.602	1427	1399	1337
Cd 226.502	-0.1405u	-0.1429u	-0.1509u
Co 228.615	-0.4579u	0.0479	-0.2875u
Cr 267.716	0.0731	0.0385	-0.0176u
Cu 324.754	0.0800	-0.3562u	-0.2594u
Fe 271.441	82.7077	79.4475	78.0113
K 766.491	643.268	630.136	605.380
Mg 279.078	2298.73	2247.16	2146.41
Mn 257.610	3.3401	3.2975	3.1727
Mo 202.032	0.0365	0.1746	-0.0244u
Na 330.237	13906.1	13562.9	12883.7
Ni 231.604	-0.3681u	0.7279	-0.0425u
Pb 220.353	-0.9679u	-1.3460u	-0.7889u
Sb 206.834	-1.4899u	-1.3095u	-0.2268u
Se 196.026	4.0226	13.1273	6.2348
Sn 189.925	0.2746	1.8438	-3.2312u
Sr 216.596	14.6673	13.9941	13.5965
Ti 334.941	0.0280	0.0173	0.0422
Tl 190.794	1.8151	-0.8843u	-2.6008u
V 292.401	0.1257	-0.0963u	-0.1165u
Zn 206.200	1.9810	0.0559	1.0410

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1173	ppb	0.1435	122.3	-9.6785
Al 308.215	4.1813	ppb	0.4362	10.4	520.140
As 188.980	-2.2447	ppb	1.0699	47.7	-8.2845
B 249.678	23.3006	ppb	0.3085	1.3	429.334
Ba 389.178	3.7824	ppb	0.6230	16.5	18.8856
Be 313.042	0.0097	ppb	0.0018	18.9	-262.198
Ca 370.602	1388	ppb	46.05	3.3	3818
Cd 226.502	-0.1448	ppb	0.0054	3.7	10.6711
Co 228.615	-0.2325	ppb	0.2573	110.7	1.7814
Cr 267.716	0.0313	ppb	0.0458	146.2	36.5993
Cu 324.754	-0.1786	ppb	0.2291	128.3	231.364
Fe 271.441	80.0555	ppb	2.4065	3.0	135.815
K 766.491	626.261	ppb	19.2391	3.1	28288.7
Mg 279.078	2230.76	ppb	77.4721	3.5	6088.82
Mn 257.610	3.2701	ppb	0.0870	2.7	655.599
Mo 202.032	0.0622	ppb	0.1019	163.8	5.9592
Na 330.237	13450.9	ppb	520.329	3.9	660.625
Ni 231.604	0.1058	ppb	0.5628	532.1	-4.5187
Pb 220.353	-1.0342	ppb	0.2844	27.5	10.1303
Sb 206.834	-1.0087	ppb	0.6831	67.7	-3.9329
Se 196.026	7.7949	ppb	4.7486	60.9	3.4229
Sn 189.925	-0.3710	ppb	2.5983	700.5	-4.9351
Sr 216.596	14.0860	ppb	0.5413	3.8	181.615

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0292	ppb	0.0125	43.0	-34.8771
Tl 190.794	-0.5567	ppb	2.2261	399.9	-8.9246
V 292.401	-0.0290	ppb	0.1344	462.6	-14.2146
Zn 206.200	1.0260	ppb	0.9626	93.8	2.1354

CRI (Samp) **10/20/2014, 5:59:56 PM** **Rack 1, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	11.1251	11.2294	10.8527
Al 308.215	210.324	211.224	209.327
As 188.980	19.0770	19.2127	20.4767
B 249.678	107.360	108.284	107.023
Ba 389.178	10.7070	10.2441	10.1776
Be 313.042	4.3227	4.3165	4.2785
Ca 370.602	545.4	542.3	536.0
Cd 226.502	5.3292	5.3051	5.2923
Co 228.615	10.4919	10.6262	10.6488
Cr 267.716	10.7090	10.7150	10.6365
Cu 324.754	21.7407	21.7508	21.5021
Fe 271.441	53.5185	55.8593	58.5828
K 766.491	1095.72	1098.71	1086.33
Mg 279.078	524.726	527.308	521.685
Mn 257.610	11.6893	11.7257	11.5880
Mo 202.032	10.3132	10.2074	10.1759
Na 330.237	1228.46	1008.39	1082.58
Ni 231.604	42.1467	41.2136	41.9228
Pb 220.353	9.5186	9.1021	7.5824
Sb 206.834	19.3747	20.1673	22.4683
Se 196.026	30.0914	18.8616	21.9396
Sn 189.925	52.5984	56.3440	50.9531
Sr 216.596	10.4402	10.5749	10.4386
Ti 334.941	10.6439	10.6967	10.5191
Tl 190.794	26.5201	28.4954	26.6752
V 292.401	10.6701	10.5952	10.5879
Zn 206.200	21.8731	23.0802	21.3221

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.0690	ppb	0.1945	1.8	916.606
Al 308.215	210.291	ppb	0.9492	0.5	1924.63
As 188.980	19.5888	ppb	0.7719	3.9	6.4420
B 249.678	107.556	ppb	0.6524	0.6	1843.38
Ba 389.178	10.3762	ppb	0.2884	2.8	162.243
Be 313.042	4.3059	ppb	0.0239	0.6	7519.58
Ca 370.602	541.2	ppb	4.810	0.9	1507
Cd 226.502	5.3089	ppb	0.0187	0.4	245.009
Co 228.615	10.5890	ppb	0.0848	0.8	126.792
Cr 267.716	10.6868	ppb	0.0437	0.4	617.512
Cu 324.754	21.6645	ppb	0.1408	0.6	1849.10
Fe 271.441	55.9869	ppb	2.5346	4.5	99.0933
K 766.491	1093.58	ppb	6.4625	0.6	49250.4
Mg 279.078	524.573	ppb	2.8145	0.5	1448.52
Mn 257.610	11.6677	ppb	0.0714	0.6	2208.31
Mo 202.032	10.2322	ppb	0.0719	0.7	75.6163

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1106.48	ppb	111.965	10.1	77.0862
Ni 231.604	41.7610	ppb	0.4871	1.2	125.591
Pb 220.353	8.7344	ppb	1.0191	11.7	25.6478
Sb 206.834	20.6701	ppb	1.6069	7.8	27.1519
Se 196.026	23.6309	ppb	5.8028	24.6	10.8133
Sn 189.925	53.2985	ppb	2.7628	5.2	35.8862
Sr 216.596	10.4846	ppb	0.0783	0.7	135.094
Ti 334.941	10.6199	ppb	0.0912	0.9	3092.49
Tl 190.794	27.2302	ppb	1.0984	4.0	21.6452
V 292.401	10.6177	ppb	0.0455	0.4	254.615
Zn 206.200	22.0918	ppb	0.8992	4.1	25.2130

mb 680-354145/1-a (Samp) **10/20/2014, 6:04:13 PM** **Rack 1, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	-0.0886u	0.2269	-0.0444u
Al 308.215	6.0927	6.9135	5.8417
As 188.980	-1.4549u	-2.7189u	-2.8526u
B 249.678	5.8159	5.6774	5.2017
Ba 389.178	-0.4519u	-0.1582u	-0.6084u
Be 313.042	0.0101	0.0122	0.0144
Ca 370.602	9.647	7.683	2.203
Cd 226.502	-0.0238u	0.0609	0.0512
Co 228.615	-0.0115u	-0.2038u	0.4398
Cr 267.716	0.2872	0.3846	0.3124
Cu 324.754	-0.4498u	-0.4383u	-0.0226u
Fe 271.441	7.8776	2.2273	7.5499
K 766.491	2.2666	2.3005	2.1540
Mg 279.078	1.2657	-0.9523u	0.0258
Mn 257.610	0.0564	0.0526	0.0730
Mo 202.032	0.2859	-0.2115u	0.7598
Na 330.237	207.379	180.575	129.850
Ni 231.604	-1.0905u	-0.2589u	-0.1914u
Pb 220.353	-0.2720u	-1.2446u	0.2958
Sb 206.834	-0.1580u	0.8732	2.9536
Se 196.026	1.4862	1.4869	4.4349
Sn 189.925	-1.4967u	-3.2163u	-3.1905u
Sr 216.596	0.0228	-0.1710u	0.0359
Ti 334.941	0.0308	0.0175	0.0372
Tl 190.794	-4.4771u	-1.8683u	-1.5536u
V 292.401	-0.1605u	-0.1711u	-0.0189u
Zn 206.200	4.7722	3.9223	5.2283

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0313	ppb	0.1708	545.4	-16.4382
Al 308.215	6.2827	ppb	0.5606	8.9	534.350
As 188.980	-2.3421	ppb	0.7713	32.9	-8.3498
B 249.678	5.5650	ppb	0.3221	5.8	131.956
Ba 389.178	-0.4062	ppb	0.2285	56.3	-76.7348
Be 313.042	0.0122	ppb	0.0022	17.9	-256.580
Ca 370.602	6.511	ppb	3.858	59.3	38.53
Cd 226.502	0.0294	ppb	0.0463	157.5	17.9404
Co 228.615	0.0748	ppb	0.3304	441.5	5.3225

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.3281	ppb	0.0506	15.4	52.4592
Cu 324.754	-0.3036	ppb	0.2434	80.2	222.085
Fe 271.441	5.8849	ppb	3.1719	53.9	18.2480
K 766.491	2.2404	ppb	0.0767	3.4	298.397
Mg 279.078	0.1131	ppb	1.1116	983.1	22.5519
Mn 257.610	0.0607	ppb	0.0109	17.9	43.1723
Mo 202.032	0.2780	ppb	0.4857	174.7	7.4408
Na 330.237	172.601	ppb	39.3749	22.8	33.4568
Ni 231.604	-0.5136	ppb	0.5008	97.5	-6.4602
Pb 220.353	-0.4069	ppb	0.7790	191.4	11.1222
Sb 206.834	1.2229	ppb	1.5850	129.6	-0.7334
Se 196.026	2.4693	ppb	1.7022	68.9	0.9364
Sn 189.925	-2.6345	ppb	0.9854	37.4	-6.6613
Sr 216.596	-0.0374	ppb	0.1158	309.4	5.1243
Ti 334.941	0.0285	ppb	0.0100	35.2	-37.9447
Tl 190.794	-2.6330	ppb	1.6048	60.9	-11.1994
V 292.401	-0.1169	ppb	0.0850	72.7	-16.4585
Zn 206.200	4.6410	ppb	0.6628	14.3	6.1034

lcs 680-354145/2-a (Samp) **10/20/2014, 6:08:29 PM** **Rack 1, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	51.7543	50.9601	51.3222
Al 308.215	4806.43	4768.69	4813.01
As 188.980	98.7848	100.723	100.904
B 249.678	196.602	194.932	198.004
Ba 389.178	99.7333	98.9119	99.4635
Be 313.042	51.1169	50.6110	50.9410
Ca 370.602	5107	5044	5064
Cd 226.502	49.4572	49.0866	49.6718
Co 228.615	50.7581	49.8248	50.7404
Cr 267.716	103.383	102.268	103.381
Cu 324.754	102.739	100.519	103.590
Fe 271.441	4966.37	4906.81	4950.00
K 766.491	4955.82	4924.94	4978.70
Mg 279.078	4809.63	4754.17	4799.04
Mn 257.610	536.495	530.141	532.763
Mo 202.032	100.852	100.330	100.435
Na 330.237	4643.18	4684.20	4592.83
Ni 231.604	100.226	96.6989	98.9419
Pb 220.353	495.860	489.067	495.961
Sb 206.834	50.4326	49.9485	47.9520
Se 196.026	98.6827	95.7492	98.6333
Sn 189.925	194.967	195.103	193.467
Sr 216.596	98.0508	97.3659	98.3275
Ti 334.941	101.457	100.529	101.375
Tl 190.794	37.5329	40.5355	40.1270
V 292.401	102.849	102.133	102.101
Zn 206.200	105.366	102.106	102.658

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.3455	ppb	0.3976	0.8	4321.31
Al 308.215	4796.04	ppb	23.9146	0.5	33161.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	100.137	ppb	1.1748	1.2	60.7633
B 249.678	196.513	ppb	1.5383	0.8	3324.96
Ba 389.178	99.3696	ppb	0.4186	0.4	2137.04
Be 313.042	50.8896	ppb	0.2568	0.5	91887.1
Ca 370.602	5072	ppb	32.12	0.6	13903
Cd 226.502	49.4052	ppb	0.2960	0.6	2158.52
Co 228.615	50.4411	ppb	0.5338	1.1	587.306
Cr 267.716	103.010	ppb	0.6433	0.6	5657.75
Cu 324.754	102.282	ppb	1.5856	1.6	7823.33
Fe 271.441	4941.06	ppb	30.7719	0.6	7849.48
K 766.491	4953.15	ppb	26.9825	0.5	222370
Mg 279.078	4787.61	ppb	29.4453	0.6	13029.8
Mn 257.610	533.133	ppb	3.1929	0.6	99361.2
Mo 202.032	100.539	ppb	0.2763	0.3	693.918
Na 330.237	4640.07	ppb	45.7640	1.0	240.707
Ni 231.604	98.6222	ppb	1.7851	1.8	303.560
Pb 220.353	493.629	ppb	3.9517	0.8	797.007
Sb 206.834	49.4444	ppb	1.3149	2.7	68.1770
Se 196.026	97.6884	ppb	1.6796	1.7	45.5532
Sn 189.925	194.513	ppb	0.9077	0.5	143.307
Sr 216.596	97.9147	ppb	0.4950	0.5	1228.87
Ti 334.941	101.120	ppb	0.5140	0.5	29841.6
Tl 190.794	39.3985	ppb	1.6285	4.1	34.5841
V 292.401	102.361	ppb	0.4225	0.4	2571.95
Zn 206.200	103.377	ppb	1.7444	1.7	113.872

680-106295-a-1-a (Samp) **10/20/2014, 6:12:45 PM** **Rack 1, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.9833	1.8063	1.9177
Al 308.215	78.4796	77.5147	78.1563
As 188.980	-2.2851u	4.5571	-2.1028u
B 249.678	33.1222	33.7409	33.1265
Ba 389.178	25.4623	25.1565	26.1191
Be 313.042	-0.0055u	-0.0090u	-0.0069u
Ca 370.602	14123	14171	14151
Cd 226.502	-0.3425u	-0.3150u	-0.2310u
Co 228.615	-1.1190u	-0.4634u	-0.2296u
Cr 267.716	0.6324	0.4332	0.4369
Cu 324.754	4.7680	4.9018	4.7555
Fe 271.441	870.219	868.347	868.500
K 766.491	3554.50	3560.68	3557.80
Mg 279.078	816.795	813.184	817.257
Mn 257.610	28.4904	28.4519	28.4346
Mo 202.032	0.4172	-0.1190u	0.4073
Na 330.237	6219.15	6003.99	6029.43
Ni 231.604	2.5537	2.8837	4.1475
Pb 220.353	-0.3468u	0.6256	-0.4769u
Sb 206.834	0.7374	0.9308	-3.0198u
Se 196.026	-0.6372u	-3.3183u	4.1437
Sn 189.925	-0.2061u	0.7431	-0.7840u
Sr 216.596	147.576	146.791	147.057
Ti 334.941	0.4406	0.4175	0.4524

Label	Replicates Concentration		
Tl 190.794	-2.4672u	-4.1912u	-2.9081u
V 292.401	-0.0249u	-0.4009u	-0.5502u
Zn 206.200	18.3981	15.2190	18.0929

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.9024	ppb	0.0894	4.7	136.850
Al 308.215	78.0502	ppb	0.4911	0.6	1024.31
As 188.980	0.0564	ppb	3.8988	6913.2	-6.7369
B 249.678	33.3299	ppb	0.3560	1.1	595.788
Ba 389.178	25.5793	ppb	0.4918	1.9	498.811
Be 313.042	-0.0071	ppb	0.0018	24.7	-287.898
Ca 370.602	14149	ppb	24.14	0.2	38743
Cd 226.502	-0.2962	ppb	0.0581	19.6	7.1534
Co 228.615	-0.6040	ppb	0.4611	76.3	-2.4533
Cr 267.716	0.5008	ppb	0.1140	22.8	62.5732
Cu 324.754	4.8084	ppb	0.0811	1.7	601.004
Fe 271.441	869.022	ppb	1.0394	0.1	1386.57
K 766.491	3557.66	ppb	3.0935	0.1	159776
Mg 279.078	815.745	ppb	2.2300	0.3	2240.09
Mn 257.610	28.4590	ppb	0.0286	0.1	5339.42
Mo 202.032	0.2352	ppb	0.3068	130.4	7.1067
Na 330.237	6084.19	ppb	117.569	1.9	312.137
Ni 231.604	3.1950	ppb	0.8413	26.3	5.2012
Pb 220.353	-0.0660	ppb	0.6025	912.5	11.7271
Sb 206.834	-0.4505	ppb	2.2271	494.3	-3.1038
Se 196.026	0.0627	ppb	3.7799	6026.5	-0.1682
Sn 189.925	-0.0823	ppb	0.7710	936.6	-4.7178
Sr 216.596	147.141	ppb	0.3994	0.3	1844.29
Ti 334.941	0.4368	ppb	0.0177	4.1	83.7139
Tl 190.794	-3.1888	ppb	0.8956	28.1	-11.9139
V 292.401	-0.3254	ppb	0.2707	83.2	-21.4864
Zn 206.200	17.2367	ppb	1.7540	10.2	19.8807

680-106295-a-1-aSD (Samp) **10/20/2014, 6:17:02 PM** **Rack 1, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	0.5213	0.2782	0.6013
Al 308.215	17.9802	17.9608	17.4861
As 188.980	-1.0997u	-0.6067u	-1.1699u
B 249.678	9.1460	8.8933	9.2643
Ba 389.178	5.3098	4.9896	4.8906
Be 313.042	0.0074	0.0087	0.0047
Ca 370.602	2992	2935	2871
Cd 226.502	-0.1423u	-0.0929u	-0.1135u
Co 228.615	-0.1238u	0.2674	0.4513
Cr 267.716	-0.0034u	0.0232	0.0448
Cu 324.754	0.9496	0.6986	0.6642
Fe 271.441	185.640	184.856	183.547
K 766.491	782.121	763.944	747.591
Mg 279.078	180.871	176.953	174.918
Mn 257.610	6.1069	5.9403	5.8655
Mo 202.032	0.2604	0.4142	0.3448
Na 330.237	1379.51	1246.48	1327.72

Label	Replicates Concentration		
Ni 231.604	0.4968	0.6412	-0.1378u
Pb 220.353	0.3788	-1.9944u	-1.8745u
Sb 206.834	0.2399	-0.6613u	-0.9369u
Se 196.026	3.4414	4.8495	5.0862
Sn 189.925	-0.7913u	1.1789	-2.9734u
Sr 216.596	31.3774	30.7644	30.2127
Ti 334.941	0.1238	0.0738	0.0979
Tl 190.794	0.9307	-1.0551u	1.9895
V 292.401	-0.1062u	-0.3578u	-0.2770u
Zn 206.200	3.9850	4.1404	5.9601

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4669	ppb	0.1683	36.0	19.3531
Al 308.215	17.8090	ppb	0.2798	1.6	613.111
As 188.980	-0.9588	ppb	0.3069	32.0	-7.4178
B 249.678	9.1012	ppb	0.1895	2.1	190.853
Ba 389.178	5.0633	ppb	0.2191	4.3	44.4136
Be 313.042	0.0069	ppb	0.0020	29.2	-265.435
Ca 370.602	2933	ppb	60.87	2.1	8047
Cd 226.502	-0.1163	ppb	0.0248	21.4	12.3391
Co 228.615	0.1983	ppb	0.2937	148.1	6.7597
Cr 267.716	0.0215	ppb	0.0242	112.2	35.8807
Cu 324.754	0.7708	ppb	0.1558	20.2	301.724
Fe 271.441	184.681	ppb	1.0574	0.6	301.714
K 766.491	764.552	ppb	17.2731	2.3	34491.7
Mg 279.078	177.581	ppb	3.0257	1.7	505.057
Mn 257.610	5.9709	ppb	0.1236	2.1	1145.46
Mo 202.032	0.3398	ppb	0.0770	22.7	7.8556
Na 330.237	1317.90	ppb	67.0549	5.1	87.5124
Ni 231.604	0.3334	ppb	0.4144	124.3	-3.7991
Pb 220.353	-1.1634	ppb	1.3369	114.9	9.9318
Sb 206.834	-0.4528	ppb	0.6155	135.9	-3.1380
Se 196.026	4.4590	ppb	0.8892	19.9	1.8685
Sn 189.925	-0.8619	ppb	2.0770	241.0	-5.3125
Sr 216.596	30.7848	ppb	0.5826	1.9	390.275
Ti 334.941	0.0985	ppb	0.0250	25.4	-17.0283
Tl 190.794	0.6217	ppb	1.5456	248.6	-7.6424
V 292.401	-0.2470	ppb	0.1285	52.0	-19.7100
Zn 206.200	4.6952	ppb	1.0982	23.4	6.1557

680-106295-a-1-aPDS (Samp) **10/20/2014, 6:21:19 PM** **Rack 1, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	100.743	101.021	100.644
Al 308.215	1021.01	1020.45	1024.02
As 188.980	98.1587	97.0168	98.5088
B 249.678	219.796	221.434	221.181
Ba 389.178	107.999	108.510	108.375
Be 313.042	98.8431	98.8956	99.0222
Ca 370.602	23884	23901	23982
Cd 226.502	96.1600	95.9580	95.5881
Co 228.615	98.9101	99.4800	99.2542
Cr 267.716	101.607	101.623	101.793

Label	Replicates Concentration		
Cu 324.754	106.301	105.197	105.386
Fe 271.441	10632.8	10646.3	10643.4
K 766.491	13389.2	13388.4	13399.7
Mg 279.078	10284.5	10274.2	10294.6
Mn 257.610	1075.77	1075.76	1077.54
Mo 202.032	99.2070	98.8861	99.3847
Na 330.237	14311.8	14129.5	14111.7
Ni 231.604	100.708	101.730	102.490
Pb 220.353	98.4059	97.7054	99.0998
Sb 206.834	94.6596	93.0061	97.7330
Se 196.026	92.0013	98.1671	98.3573
Sn 189.925	94.4693	96.6809	95.6061
Sr 216.596	243.237	243.987	244.524
Ti 334.941	99.5929	99.6609	99.7916
Tl 190.794	21.3434	15.7983	18.9482
V 292.401	99.6477	99.9337	100.255
Zn 206.200	108.959	111.877	112.052

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	100.803	ppb	0.1958	0.2	8500.01
Al 308.215	1021.82	ppb	1.9200	0.2	7480.23
As 188.980	97.8948	ppb	0.7802	0.8	59.1735
B 249.678	220.804	ppb	0.8816	0.4	3719.97
Ba 389.178	108.295	ppb	0.2647	0.2	2344.86
Be 313.042	98.9203	ppb	0.0921	0.1	178887
Ca 370.602	23922	ppb	52.68	0.2	65453
Cd 226.502	95.9020	ppb	0.2900	0.3	4178.18
Co 228.615	99.2148	ppb	0.2870	0.3	1151.52
Cr 267.716	101.674	ppb	0.1034	0.1	5589.92
Cu 324.754	105.628	ppb	0.5902	0.6	8073.53
Fe 271.441	10640.8	ppb	7.1381	0.1	16891.5
K 766.491	13392.5	ppb	6.2905	0.0	600914
Mg 279.078	10284.4	ppb	10.2205	0.1	27968.9
Mn 257.610	1076.36	ppb	1.0234	0.1	200577
Mo 202.032	99.1592	ppb	0.2527	0.3	684.200
Na 330.237	14184.3	ppb	110.742	0.8	689.934
Ni 231.604	101.643	ppb	0.8939	0.9	313.364
Pb 220.353	98.4037	ppb	0.6972	0.7	169.039
Sb 206.834	95.1329	ppb	2.3987	2.5	133.997
Se 196.026	96.1752	ppb	3.6160	3.8	45.0508
Sn 189.925	95.5854	ppb	1.1059	1.2	68.0579
Sr 216.596	243.916	ppb	0.6462	0.3	3061.20
Ti 334.941	99.6818	ppb	0.1010	0.1	29426.0
Tl 190.794	18.6966	ppb	2.7811	14.9	11.4839
V 292.401	99.9455	ppb	0.3039	0.3	2512.72
Zn 206.200	110.963	ppb	1.7374	1.6	121.932

680-106295-a-1-b ms (Samp) **10/20/2014, 6:25:36 PM** **Rack 1, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	51.9542	51.6849	51.3788
Al 308.215	4767.85	4772.10	4765.17
As 188.980	97.2845	99.2426	95.8671

Label	Replicates Concentration		
B 249.678	218.873	218.532	218.836
Ba 389.178	121.028	121.314	121.501
Be 313.042	49.9643	49.9878	49.8101
Ca 370.602	18645	18599	18458
Cd 226.502	48.3288	47.9322	48.0362
Co 228.615	49.4798	49.3079	48.7344
Cr 267.716	100.739	100.645	100.493
Cu 324.754	105.506	105.312	104.288
Fe 271.441	5675.44	5660.27	5663.69
K 766.491	8302.10	8280.56	8255.63
Mg 279.078	5455.03	5466.41	5448.85
Mn 257.610	548.545	546.325	542.536
Mo 202.032	97.9395	97.9526	98.0475
Na 330.237	10412.5	10546.4	10482.3
Ni 231.604	99.2085	99.2918	98.9256
Pb 220.353	478.430	483.649	477.015
Sb 206.834	46.4299	48.0927	48.8606
Se 196.026	97.1179	104.255	86.8076
Sn 189.925	190.435	191.406	185.914
Sr 216.596	237.842	237.754	236.036
Ti 334.941	99.1140	99.2268	98.9191
Tl 190.794	38.1500	38.8032	41.7246
V 292.401	100.112	99.7081	99.1651
Zn 206.200	112.383	115.121	111.792

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.6726	ppb	0.2879	0.6	4344.21
Al 308.215	4768.37	ppb	3.4946	0.1	32973.8
As 188.980	97.4647	ppb	1.6949	1.7	58.9563
B 249.678	218.747	ppb	0.1869	0.1	3696.31
Ba 389.178	121.281	ppb	0.2381	0.2	2622.33
Be 313.042	49.9207	ppb	0.0965	0.2	90136.0
Ca 370.602	18567	ppb	97.36	0.5	50838
Cd 226.502	48.0991	ppb	0.2057	0.4	2105.09
Co 228.615	49.1740	ppb	0.3903	0.8	572.731
Cr 267.716	100.626	ppb	0.1240	0.1	5528.24
Cu 324.754	105.035	ppb	0.6542	0.6	8027.45
Fe 271.441	5666.47	ppb	7.9574	0.1	8999.36
K 766.491	8279.43	ppb	23.2551	0.3	371570
Mg 279.078	5456.76	ppb	8.9041	0.2	14849.3
Mn 257.610	545.802	ppb	3.0389	0.6	101727
Mo 202.032	97.9799	ppb	0.0589	0.1	676.357
Na 330.237	10480.4	ppb	66.9458	0.6	516.104
Ni 231.604	99.1420	ppb	0.1919	0.2	305.249
Pb 220.353	479.698	ppb	3.4941	0.7	774.907
Sb 206.834	47.7944	ppb	1.2425	2.6	65.8445
Se 196.026	96.0603	ppb	8.7718	9.1	44.8067
Sn 189.925	189.252	ppb	2.9309	1.5	139.307
Sr 216.596	237.210	ppb	1.0182	0.4	2969.62
Ti 334.941	99.0866	ppb	0.1557	0.2	29241.5
Tl 190.794	39.5593	ppb	1.9034	4.8	34.6705
V 292.401	99.6618	ppb	0.4753	0.5	2503.94
Zn 206.200	113.098	ppb	1.7760	1.6	124.509

Cont Calib Verif (CCV) **10/20/2014, 6:29:52 PM** **Rack 1, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	504.492	502.215	503.191
Al 308.215	4828.97	4832.66	4823.18
As 188.980	470.932	486.016	474.593
B 249.678	488.277	492.241	491.619
Ba 389.178	4960.54	4974.39	4967.82
Be 313.042	501.061	500.575	497.916
Ca 370.602	5127	5154	5123
Cd 226.502	492.950	494.728	493.422
Co 228.615	506.755	508.300	506.719
Cr 267.716	5057.33	5060.34	5055.05
Cu 324.754	5026.22	5060.14	5083.82
Fe 271.441	4925.43	4918.19	4906.19
K 766.491	10042.0	10073.9	10044.9
Mg 279.078	4914.51	4918.59	4906.23
Mn 257.610	5227.56	5244.67	5199.97
Mo 202.032	495.743	498.851	498.137
Na 330.237	7285.90	7395.66	7371.53
Ni 231.604	2520.22	2519.32	2522.09
Pb 220.353	503.815	496.991	496.937
Sb 206.834	948.623	949.938	961.946
Se 196.026	4916.00	4936.85	4920.50
Sn 189.925	4952.03	4918.91	4955.10
Sr 216.596	2474.85	2500.18	2477.45
Ti 334.941	492.146	493.283	492.244
Tl 190.794	5077.11	5115.76	5069.66
V 292.401	5026.52	5038.29	5022.97
Zn 206.200	2501.39	2506.61	2500.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	503.299	ppb	1.1425	0.2	42493.8	100.65981
Al 308.215	4828.27	ppb	4.7765	0.1	33888.3	96.56540
As 188.980	477.180	ppb	7.8675	1.6	314.973	95.43605
B 249.678	490.712	ppb	2.1322	0.4	8274.71	98.14249
Ba 389.178	4967.58	ppb	6.9297	0.1	109678	99.35168
Be 313.042	499.850	ppb	1.6931	0.3	905273	99.97008
Ca 370.602	5135	ppb	17.02	0.3	14389	102.69148
Cd 226.502	493.700	ppb	0.9209	0.2	21252.3	98.73999
Co 228.615	507.258	ppb	0.9026	0.2	5872.81	101.45152
Cr 267.716	5057.57	ppb	2.6496	0.1	275909	101.15144
Cu 324.754	5056.73	ppb	28.9521	0.6	374646	101.13456
Fe 271.441	4916.60	ppb	9.7174	0.2	7915.63	98.33208
K 766.491	10053.6	ppb	17.6274	0.2	451149	100.53574
Mg 279.078	4913.11	ppb	6.2971	0.1	13277.0	98.26220
Mn 257.610	5224.06	ppb	22.5534	0.4	972954	104.48130
Mo 202.032	497.577	ppb	1.6275	0.3	3408.45	99.51537
Na 330.237	7351.03	ppb	57.6835	0.8	309.921	98.01375
Ni 231.604	2520.54	ppb	1.4130	0.1	7868.92	100.82156
Pb 220.353	499.248	ppb	3.9555	0.8	810.031	99.84959
Sb 206.834	953.502	ppb	7.3422	0.8	1417.07	95.35024
Se 196.026	4924.45	ppb	10.9723	0.2	2298.69	98.48901
Sn 189.925	4942.01	ppb	20.0654	0.4	3754.65	98.84026
Sr 216.596	2484.16	ppb	13.9308	0.6	30872.0	99.36635

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	492.558	ppb	0.6301	0.1	145504	98.51160
Tl 190.794	5087.51	ppb	24.7469	0.5	5594.36	101.75017
V 292.401	5029.26	ppb	8.0179	0.2	127550	100.58517
Zn 206.200	2502.68	ppb	3.4695	0.1	2730.67	100.10714

Cont Calib Blank (CCB) **10/20/2014, 6:34:07 PM** **Rack 1, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	-0.0692u	-0.0794u	0.1402
Al 308.215	4.1546	6.4171	1.5234
As 188.980	0.4347	-0.1306u	1.3082
B 249.678	10.5558	9.4023	8.6856
Ba 389.178	0.1033	0.6290	0.2909
Be 313.042	0.0523	0.0594	0.0510
Ca 370.602	0.9102	1.184	1.723
Cd 226.502	-0.0510u	-0.0176u	0.0711
Co 228.615	0.2840	0.4785	0.8229
Cr 267.716	0.3830	0.4462	0.5906
Cu 324.754	0.4458	0.1186	0.3966
Fe 271.441	7.5442	7.2677	3.2762
K 766.491	2.4605	2.4776	2.6526
Mg 279.078	1.9076	0.2831	3.7917
Mn 257.610	0.6363	0.6331	0.6072
Mo 202.032	0.3367	-0.0597u	0.0242
Na 330.237	84.0255	19.8461	40.4809
Ni 231.604	0.5196	-0.0156u	1.4032
Pb 220.353	-3.0730u	-1.4054u	-0.6928u
Sb 206.834	1.7671	0.7857	1.3923
Se 196.026	3.7287	7.1403	-0.4334u
Sn 189.925	-1.0006u	0.5464	-1.8198u
Sr 216.596	0.4359	0.1507	0.3146
Ti 334.941	0.0988	0.0937	0.1357
Tl 190.794	3.3178	1.6568	0.4146
V 292.401	0.3872	0.5653	0.5619
Zn 206.200	0.8863	1.1365	0.3618

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0028	ppb	0.1240	4448.5	-19.3308	-0.00279
Al 308.215	4.0317	ppb	2.4492	60.7	519.042	4.03168
As 188.980	0.5374	ppb	0.7249	134.9	-6.4074	0.53741
B 249.678	9.5479	ppb	0.9436	9.9	198.773	9.54789
Ba 389.178	0.3411	ppb	0.2664	78.1	-60.2308	0.34106
Be 313.042	0.0542	ppb	0.0045	8.3	-180.432	0.05422
Ca 370.602	1.272	ppb	0.4135	32.5	24.27	1.27224
Cd 226.502	0.0008	ppb	0.0631	7436.4	16.7027	0.00085
Co 228.615	0.5285	ppb	0.2729	51.6	10.5744	0.52847
Cr 267.716	0.4733	ppb	0.1064	22.5	60.3784	0.47328
Cu 324.754	0.3203	ppb	0.1764	55.1	268.268	0.32034
Fe 271.441	6.0294	ppb	2.3883	39.6	18.5347	6.02938
K 766.491	2.5303	ppb	0.1063	4.2	311.400	2.53026
Mg 279.078	1.9941	ppb	1.7559	88.1	27.6556	1.99411
Mn 257.610	0.6255	ppb	0.0159	2.5	148.364	0.62552
Mo 202.032	0.1004	ppb	0.2089	208.2	6.2234	0.10036

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	48.1175	ppb	32.7641	68.1	27.6839	48.11749
Ni 231.604	0.6357	ppb	0.7165	112.7	-2.8709	0.63572
Pb 220.353	-1.7237	ppb	1.2216	70.9	9.0285	-1.72371
Sb 206.834	1.3150	ppb	0.4953	37.7	-0.5944	1.31504
Se 196.026	3.4785	ppb	3.7931	109.0	1.4073	3.47853
Sn 189.925	-0.7580	ppb	1.2016	158.5	-5.2339	-0.75801
Sr 216.596	0.3004	ppb	0.1432	47.7	9.3082	0.30040
Ti 334.941	0.1094	ppb	0.0229	21.0	-14.0363	0.10938
Tl 190.794	1.7964	ppb	1.4566	81.1	-6.3265	1.79642
V 292.401	0.5048	ppb	0.1018	20.2	-0.6189	0.50483
Zn 206.200	0.7949	ppb	0.3953	49.7	1.8838	0.79487

680-106295-a-1-c mSD (Samp) **10/20/2014, 6:38:22 PM** **Rack 1, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	49.2222	49.5742	50.0226
Al 308.215	4726.36	4702.35	4740.56
As 188.980	96.0421	95.0277	96.2187
B 249.678	214.916	214.581	216.279
Ba 389.178	119.373	120.201	118.399
Be 313.042	48.9589	48.9634	49.1020
Ca 370.602	18105	18137	18150
Cd 226.502	47.5775	47.2091	47.6016
Co 228.615	48.1411	49.0373	48.2814
Cr 267.716	98.8982	98.8136	99.2212
Cu 324.754	103.302	102.443	103.480
Fe 271.441	5573.85	5561.96	5571.59
K 766.491	8127.29	8130.91	8126.04
Mg 279.078	5355.13	5379.36	5377.42
Mn 257.610	534.622	535.544	536.578
Mo 202.032	96.9787	96.5406	96.6462
Na 330.237	10293.4	10099.8	10432.6
Ni 231.604	98.8029	98.6184	100.522
Pb 220.353	475.609	476.263	469.849
Sb 206.834	47.2240	49.2969	46.3744
Se 196.026	101.199	88.4040	100.415
Sn 189.925	186.971	185.492	181.120
Sr 216.596	233.026	233.503	233.276
Ti 334.941	97.2989	97.2975	97.5210
Tl 190.794	37.2136	39.4922	43.7890
V 292.401	97.6805	97.7720	98.0039
Zn 206.200	111.699	113.900	110.460

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.6063	ppb	0.4012	0.8	4169.57
Al 308.215	4723.09	ppb	19.3144	0.4	32665.1
As 188.980	95.7628	ppb	0.6427	0.7	57.8089
B 249.678	215.258	ppb	0.8994	0.4	3638.01
Ba 389.178	119.324	ppb	0.9024	0.8	2578.94
Be 313.042	49.0081	ppb	0.0814	0.2	88483.0
Ca 370.602	18131	ppb	23.49	0.1	49644
Cd 226.502	47.4627	ppb	0.2200	0.5	2077.37
Co 228.615	48.4866	ppb	0.4821	1.0	564.781

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	98.9776	ppb	0.2151	0.2	5438.25
Cu 324.754	103.075	ppb	0.5547	0.5	7882.19
Fe 271.441	5569.14	ppb	6.3138	0.1	8844.96
K 766.491	8128.08	ppb	2.5255	0.0	364781
Mg 279.078	5370.63	ppb	13.4614	0.3	14615.2
Mn 257.610	535.581	ppb	0.9785	0.2	99822.7
Mo 202.032	96.7218	ppb	0.2286	0.2	667.745
Na 330.237	10275.3	ppb	167.167	1.6	506.467
Ni 231.604	99.3145	ppb	1.0500	1.1	305.781
Pb 220.353	473.907	ppb	3.5295	0.7	765.691
Sb 206.834	47.6318	ppb	1.5033	3.2	65.6102
Se 196.026	96.6727	ppb	7.1716	7.4	45.0891
Sn 189.925	184.528	ppb	3.0422	1.6	135.713
Sr 216.596	233.268	ppb	0.2384	0.1	2920.30
Ti 334.941	97.3725	ppb	0.1286	0.1	28734.8
Tl 190.794	40.1650	ppb	3.3389	8.3	35.3451
V 292.401	97.8188	ppb	0.1667	0.2	2457.29
Zn 206.200	112.019	ppb	1.7422	1.6	123.335

280-60491-b-1-b (Samp) **10/20/2014, 6:42:37 PM** **Rack 1, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-0.0291u	-0.0331u	0.2169
Al 308.215	23.0821	21.5179	21.3115
As 188.980	-2.3771u	-4.8276u	-0.8528u
B 249.678	128.108	127.975	127.090
Ba 389.178	341.336	342.064	341.140
Be 313.042	0.0425	0.0450	0.0423
Ca 370.602	2773	2768	2753
Cd 226.502	-0.1121u	-0.1326u	0.0003u
Co 228.615	-0.0749u	-0.3619u	0.1153
Cr 267.716	0.3829	0.4210	0.4063
Cu 324.754	0.7036	0.7377	0.6922
Fe 271.441	273.751	282.535	283.272
K 766.491	2684.02	2684.53	2667.12
Mg 279.078	512.698	513.365	513.355
Mn 257.610	6.8855	6.9491	6.9318
Mo 202.032	0.7125	1.2259	0.8065
Na 330.237	662818x	661439x	664285x
Ni 231.604	1.4884	0.6800	1.3516
Pb 220.353	-0.1516u	3.0619	-0.2311u
Sb 206.834	2.3478	-3.7245u	2.7894
Se 196.026	8.7270	9.4217	10.1888
Sn 189.925	-1.7360u	-2.7692u	-6.1976u
Sr 216.596	541.638	542.480	542.264
Ti 334.941	0.2623	0.2624	0.2464
Tl 190.794	0.3877	0.8460	-0.3290u
V 292.401	0.4402	0.4830	0.2353
Zn 206.200	5.0666	5.0770	5.2203

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0516b	ppb	0.1432	277.7	-32.9810
Al 308.215	21.9705b	ppb	0.9682	4.4	641.644

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-2.6858b	ppb	2.0053	74.7	-8.5834
B 249.678	127.724b	ppb	0.5532	0.4	2180.97
Ba 389.178	341.513b	ppb	0.4866	0.1	7476.40
Be 313.042	0.0433b	ppb	0.0016	3.6	-274.323
Ca 370.602	2765b	ppb	10.43	0.4	7586
Cd 226.502	-0.0815b	ppb	0.0716	87.8	9.8846
Co 228.615	-0.1072b	ppb	0.2402	224.2	3.2214
Cr 267.716	0.4034b	ppb	0.0192	4.8	70.2868
Cu 324.754	0.7112b	ppb	0.0236	3.3	297.375
Fe 271.441	279.853b	ppb	5.2973	1.9	452.581
K 766.491	2678.56b	ppb	9.9058	0.4	120344
Mg 279.078	513.139b	ppb	0.3820	0.1	1417.60
Mn 257.610	6.9221b	ppb	0.0329	0.5	1322.14
Mo 202.032	0.9150b	ppb	0.2734	29.9	11.7912
Na 330.237	662848xb	ppb	1423.42	0.2	31330.2
Ni 231.604	1.1733b	ppb	0.4327	36.9	-1.1666
Pb 220.353	0.8931b	ppb	1.8787	210.4	13.2081
Sb 206.834	0.4709b	ppb	3.6400	773.0	-1.8140
Se 196.026	9.4458b	ppb	0.7312	7.7	4.1967
Sn 189.925	-3.5676b	ppb	2.3355	65.5	-7.1534
Sr 216.596	542.127b	ppb	0.4374	0.1	6758.17
Ti 334.941	0.2570b	ppb	0.0092	3.6	-24.5381
Tl 190.794	0.3016b	ppb	0.5922	196.4	-8.0090
V 292.401	0.3862b	ppb	0.1324	34.3	-8.6115
Zn 206.200	5.1213b	ppb	0.0859	1.7	6.6168

280-60491-b-6-b (Samp) **10/20/2014, 6:46:52 PM** **Rack 1, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	0.0918u	-0.1112u	0.0012u
Al 308.215	293.515	291.491	293.551
As 188.980	-1.5988u	2.1006	-4.9090u
B 249.678	135.173	135.386	135.181
Ba 389.178	416.474	417.991	415.482
Be 313.042	0.0437	0.0463	0.0481
Ca 370.602	3212	3213	3219
Cd 226.502	-0.0506u	0.0497u	-0.0842u
Co 228.615	-0.0723u	0.4168	0.5882
Cr 267.716	0.5068	0.7245	0.6930
Cu 324.754	0.7463	0.6946	0.8209
Fe 271.441	371.287	364.807	372.345
K 766.491	3908.55	3959.75	3953.73
Mg 279.078	700.029	692.654	693.247
Mn 257.610	13.9084	13.8463	13.9326
Mo 202.032	0.1560	0.4349	0.5444
Na 330.237	676946x	674833x	674147x
Ni 231.604	-0.2984u	0.4918	0.3244
Pb 220.353	-1.7316u	-1.8285u	0.4683
Sb 206.834	2.9120	1.5760	0.5593
Se 196.026	5.9541	9.2234	11.7109
Sn 189.925	-6.5305u	1.9272	-4.3817u
Sr 216.596	534.496	532.594	533.671
Ti 334.941	3.5332	3.4896	3.6614

Label	Replicates Concentration		
Tl 190.794	-1.6018u	-3.4470u	-4.1874u
V 292.401	0.7790	0.8003	0.4093
Zn 206.200	4.7285	5.0979	8.1929

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0061b	ppb	0.1017	1679.5	-37.5497
Al 308.215	292.852b	ppb	1.1787	0.4	2485.65
As 188.980	-1.4691b	ppb	3.5066	238.7	-7.7603
B 249.678	135.247b	ppb	0.1205	0.1	2306.97
Ba 389.178	416.649b	ppb	1.2634	0.3	9136.28
Be 313.042	0.0460b	ppb	0.0022	4.8	-270.578
Ca 370.602	3215b	ppb	3.986	0.1	8818
Cd 226.502	-0.0284b	ppb	0.0696	245.4	12.4315
Co 228.615	0.3109b	ppb	0.3427	110.2	8.1497
Cr 267.716	0.6414b	ppb	0.1177	18.3	83.6167
Cu 324.754	0.7539b	ppb	0.0635	8.4	300.544
Fe 271.441	369.480b	ppb	4.0814	1.1	594.708
K 766.491	3940.68b	ppb	27.9881	0.7	176956
Mg 279.078	695.310b	ppb	4.0977	0.6	1912.77
Mn 257.610	13.8958b	ppb	0.0445	0.3	2622.21
Mo 202.032	0.3785b	ppb	0.2003	52.9	8.1110
Na 330.237	675308xb	ppb	1459.15	0.2	31918.7
Ni 231.604	0.1726b	ppb	0.4164	241.2	-4.2857
Pb 220.353	-1.0306b	ppb	1.2990	126.0	10.1520
Sb 206.834	1.6824b	ppb	1.1800	70.1	-0.0574
Se 196.026	8.9628b	ppb	2.8872	32.2	3.9742
Sn 189.925	-2.9950b	ppb	4.3961	146.8	-6.7136
Sr 216.596	533.587b	ppb	0.9534	0.2	6652.12
Ti 334.941	3.5614b	ppb	0.0893	2.5	951.131
Tl 190.794	-3.0787b	ppb	1.3316	43.3	-11.7298
V 292.401	0.6629b	ppb	0.2199	33.2	-1.4984
Zn 206.200	6.0064b	ppb	1.9025	31.7	7.5828

280-60491-b-12-b (Samp) **10/20/2014, 6:51:08 PM** **Rack 1, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	0.0378u	-0.1269u	0.1857
Al 308.215	59.1067	56.8055	56.0120
As 188.980	-0.0709u	-0.1912u	4.4084
B 249.678	135.902	135.679	136.696
Ba 389.178	487.801	486.679	487.567
Be 313.042	0.0381	0.0363	0.0343u
Ca 370.602	2879	2862	2865
Cd 226.502	-0.1453u	-0.0441	-0.0600
Co 228.615	-0.0102	-0.2959u	0.0739
Cr 267.716	2.0334	2.2426	2.3023
Cu 324.754	5.1516	4.9485	5.1406
Fe 271.441	2070.12	2065.05	2065.38
K 766.491	3715.57	3711.06	3726.02
Mg 279.078	635.046	628.926	634.254
Mn 257.610	45.5853	45.1845	45.2749
Mo 202.032	1.2180	0.6332	2.0345
Na 330.237	569498x	568659x	567162x

Label	Replicates Concentration		
Ni 231.604	2.8382	2.3932	2.7922
Pb 220.353	-0.7194u	1.2682	-2.5051u
Sb 206.834	-1.2576u	-0.2015u	2.3481
Se 196.026	3.2346	10.6183	7.2474
Sn 189.925	-2.1135u	-3.7133u	-1.8430u
Sr 216.596	400.916	399.937	402.149
Ti 334.941	0.7179	0.7900	0.7692
Tl 190.794	-0.6874u	-0.8902u	0.0732u
V 292.401	0.3949	0.3133	0.5273
Zn 206.200	15.4703	15.7199	13.5400

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0322b	ppb	0.1564	485.4	-30.0296
Al 308.215	57.3081b	ppb	1.6074	2.8	885.268
As 188.980	1.3821b	ppb	2.6216	189.7	-5.8510
B 249.678	136.092b	ppb	0.5345	0.4	2317.22
Ba 389.178	487.349b	ppb	0.5917	0.1	10698.7
Be 313.042	0.0362b	ppb	0.0019	5.2	-276.540
Ca 370.602	2868b	ppb	9.039	0.3	7851
Cd 226.502	-0.0831b	ppb	0.0544	65.5	17.1359
Co 228.615	-0.0774b	ppb	0.1939	250.4	3.6953
Cr 267.716	2.1928b	ppb	0.1412	6.4	166.994
Cu 324.754	5.0802b	ppb	0.1142	2.2	621.689
Fe 271.441	2066.85b	ppb	2.8387	0.1	3285.64
K 766.491	3717.55b	ppb	7.6725	0.2	166948
Mg 279.078	632.742b	ppb	3.3287	0.5	1742.06
Mn 257.610	45.3482b	ppb	0.2102	0.5	8484.01
Mo 202.032	1.2952b	ppb	0.7039	54.3	14.3120
Na 330.237	568439xb	ppb	1183.09	0.2	26870.9
Ni 231.604	2.6746b	ppb	0.2447	9.1	3.6758
Pb 220.353	-0.6521b	ppb	1.8876	289.5	10.8787
Sb 206.834	0.2964b	ppb	1.8537	625.5	-1.9904
Se 196.026	7.0334b	ppb	3.6965	52.6	3.1045
Sn 189.925	-2.5566b	ppb	1.0108	39.5	-6.4158
Sr 216.596	401.001b	ppb	1.1087	0.3	5002.85
Ti 334.941	0.7590b	ppb	0.0371	4.9	132.161
Tl 190.794	-0.5015b	ppb	0.5079	101.3	-9.1122
V 292.401	0.4119b	ppb	0.1080	26.2	-6.7279
Zn 206.200	14.9101b	ppb	1.1931	8.0	17.2672

280-60491-b-16-d (Samp) **10/20/2014, 6:55:23 PM** **Rack 1, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	0.0106u	0.1110u	0.1055u
Al 308.215	1560.22	1560.22	1554.43
As 188.980	-1.3757u	-5.3044u	-2.8346u
B 249.678	307.211	308.321	308.461
Ba 389.178	536.125	536.429	537.311
Be 313.042	0.0851	0.0868	0.0897
Ca 370.602	3990	4008	4015
Cd 226.502	-0.1304u	0.0217u	0.0508
Co 228.615	0.3834	0.4275	0.5216
Cr 267.716	1.5563	1.7358	1.5610

Label	Replicates Concentration		
Cu 324.754	1.8238	1.8212	1.8397
Fe 271.441	917.028	911.102	908.197
K 766.491	4661.25	4675.90	4673.20
Mg 279.078	1040.93	1037.36	1040.34
Mn 257.610	23.2170	23.3797	23.3394
Mo 202.032	0.5197	-0.2125u	0.9446
Na 330.237	686806x	690341x	691088x
Ni 231.604	1.2268	1.2856	0.5761
Pb 220.353	-1.1637u	1.5147	0.9632
Sb 206.834	-1.0401u	1.1309	1.1085
Se 196.026	5.6975	12.7981	6.9938
Sn 189.925	-3.4919u	-2.9152u	-2.6909u
Sr 216.596	618.609	620.455	620.617
Ti 334.941	13.8395	13.3467	13.0901
Tl 190.794	-1.0119u	-4.0394u	-2.9564u
V 292.401	2.9470	2.8456	2.9591
Zn 206.200	8.7996	9.2318	8.4178

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0757b	ppb	0.0565	74.6	-33.4308
Al 308.215	1558.29b	ppb	3.3422	0.2	11100.4
As 188.980	-3.1716b	ppb	1.9859	62.6	-8.8989
B 249.678	307.998b	ppb	0.6847	0.2	5204.20
Ba 389.178	536.621b	ppb	0.6159	0.1	11787.0
Be 313.042	0.0872b	ppb	0.0023	2.7	-197.430
Ca 370.602	4004b	ppb	13.26	0.3	10978
Cd 226.502	-0.0193b	ppb	0.0973	505.0	14.7541
Co 228.615	0.4442b	ppb	0.0706	15.9	9.9331
Cr 267.716	1.6177b	ppb	0.1023	6.3	137.527
Cu 324.754	1.8283b	ppb	0.0100	0.5	380.311
Fe 271.441	912.109b	ppb	4.5011	0.5	1455.01
K 766.491	4670.12b	ppb	7.7951	0.2	209675
Mg 279.078	1039.55b	ppb	1.9137	0.2	2848.27
Mn 257.610	23.3120b	ppb	0.0847	0.4	4379.36
Mo 202.032	0.4173b	ppb	0.5853	140.3	8.3489
Na 330.237	689412xb	ppb	2287.23	0.3	32584.5
Ni 231.604	1.0295b	ppb	0.3938	38.2	-1.5622
Pb 220.353	0.4381b	ppb	1.4143	322.8	12.5036
Sb 206.834	0.3997b	ppb	1.2470	312.0	-1.8731
Se 196.026	8.4965b	ppb	3.7813	44.5	3.7662
Sn 189.925	-3.0327b	ppb	0.4132	13.6	-6.7369
Sr 216.596	619.893b	ppb	1.1155	0.2	7727.85
Ti 334.941	13.4254b	ppb	0.3809	2.8	3865.13
Tl 190.794	-2.6692b	ppb	1.5340	57.5	-11.3444
V 292.401	2.9172b	ppb	0.0623	2.1	55.9402
Zn 206.200	8.8164b	ppb	0.4072	4.6	10.6372

680-106319-f-1-a (Samp) **10/20/2014, 6:59:40 PM** **Rack 1, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	0.1999	0.0408	0.0247
Al 308.215	4.9898	5.0547	5.5949
As 188.980	1.1291	-1.4241u	-3.2265u

Label	Replicates Concentration		
B 249.678	11.5815	10.5116	9.7144
Ba 389.178	11.3560	11.6871	11.0690
Be 313.042	0.0301	0.0223	0.0159
Ca 370.602	5182	5151	5146
Cd 226.502	-0.2155	-0.2464	-0.1776
Co 228.615	2.6996	3.3772	2.8498
Cr 267.716	0.3770	0.1808	0.2571
Cu 324.754	-0.1445u	0.2208	-0.4045u
Fe 271.441	7201.19	7143.60	7192.48
K 766.491	606.557	604.299	605.441
Mg 279.078	2975.51	2959.40	2964.44
Mn 257.610	626.409	622.353	621.459
Mo 202.032	0.3697	0.8340	0.5959
Na 330.237	4018.68	4080.51	4207.41
Ni 231.604	4.4480	4.5194	4.6238
Pb 220.353	1.7387	-0.6743u	0.5824
Sb 206.834	0.5858	0.8386	2.2503
Se 196.026	4.5651	5.6692	-1.4721u
Sn 189.925	-0.3948u	-4.0604u	-4.4949u
Sr 216.596	40.6324	40.9909	40.4823
Ti 334.941	0.1742	0.1119	0.1365
Tl 190.794	-1.2130u	0.7764	-2.3409u
V 292.401	-0.4031u	-0.1591u	-0.5668u
Zn 206.200	21.3338	22.7580	22.9286

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0885	ppb	0.0969	109.5	-11.0990
Al 308.215	5.2131	ppb	0.3322	6.4	539.347
As 188.980	-1.1738	ppb	2.1886	186.4	-7.6094
B 249.678	10.6025	ppb	0.9369	8.8	199.780
Ba 389.178	11.3707	ppb	0.3093	2.7	191.376
Be 313.042	0.0228	ppb	0.0071	31.3	-236.744
Ca 370.602	5160	ppb	19.59	0.4	14077
Cd 226.502	-0.2132	ppb	0.0345	16.2	34.5223
Co 228.615	2.9755	ppb	0.3559	12.0	39.3386
Cr 267.716	0.2716	ppb	0.0989	36.4	55.9446
Cu 324.754	-0.1094	ppb	0.3141	287.2	239.607
Fe 271.441	7179.09	ppb	31.0414	0.4	11390.6
K 766.491	605.433	ppb	1.1290	0.2	27354.4
Mg 279.078	2966.45	ppb	8.2440	0.3	8076.87
Mn 257.610	623.407	ppb	2.6381	0.4	116167
Mo 202.032	0.5999	ppb	0.2322	38.7	9.3071
Na 330.237	4102.20	ppb	96.2206	2.3	216.946
Ni 231.604	4.5304	ppb	0.0884	2.0	9.9082
Pb 220.353	0.5489	ppb	1.2068	219.9	13.2509
Sb 206.834	1.2249	ppb	0.8970	73.2	-0.4993
Se 196.026	2.9207	ppb	3.8442	131.6	1.3894
Sn 189.925	-2.9833	ppb	2.2522	75.5	-6.9254
Sr 216.596	40.7019	ppb	0.2613	0.6	523.093
Ti 334.941	0.1409	ppb	0.0314	22.3	1.0917
Tl 190.794	-0.9258	ppb	1.5784	170.5	-9.9686
V 292.401	-0.3764	ppb	0.2052	54.5	-20.5638
Zn 206.200	22.3401	ppb	0.8757	3.9	25.1867

680-106319-f-2-a (Samp) **10/20/2014, 7:03:56 PM** **Rack 1, Tube 45**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0686u	0.2661	0.1965
Al 308.215	6.3257	9.0945	7.3585
As 188.980	-4.0853u	2.3202	-4.1673u
B 249.678	6.4116	6.9181	7.0307
Ba 389.178	7.9785	8.3737	8.7198
Be 313.042	0.0247	0.0262	0.0315
Ca 370.602	4497	4513	4521
Cd 226.502	-0.2844u	-0.2081u	-0.1819u
Co 228.615	0.1801	-0.1216u	0.3956
Cr 267.716	0.5531	0.6778	0.6916
Cu 324.754	0.0030	-0.1708u	-0.2768u
Fe 271.441	1691.14	1701.10	1695.45
K 766.491	692.789	695.005	693.518
Mg 279.078	2067.11	2075.31	2074.71
Mn 257.610	407.825	409.578	409.882
Mo 202.032	0.7844	1.0180	-0.1605u
Na 330.237	7944.35	7720.46	7720.66
Ni 231.604	1.1081	1.4815	1.1717
Pb 220.353	0.5006	0.9948	1.1240
Sb 206.834	-1.4114u	-1.3680u	-0.7439u
Se 196.026	5.2891	5.7096	6.4710
Sn 189.925	-1.4575u	0.6926	-4.7609u
Sr 216.596	59.5760	59.6757	59.6643
Ti 334.941	0.1158	0.0927	0.0970
Tl 190.794	-1.1757u	-0.3737u	-0.0452u
V 292.401	-0.2100u	-0.4771u	-0.1535u
Zn 206.200	4.3868	5.7253	6.9487

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1313	ppb	0.1766	134.5	-8.2313
Al 308.215	7.5929	ppb	1.3992	18.4	546.155
As 188.980	-1.9775	ppb	3.7221	188.2	-8.1151
B 249.678	6.7868	ppb	0.3298	4.9	148.491
Ba 389.178	8.3574	ppb	0.3709	4.4	120.594
Be 313.042	0.0275	ppb	0.0036	13.1	-228.622
Ca 370.602	4510	ppb	12.18	0.3	12357
Cd 226.502	-0.2248	ppb	0.0532	23.7	13.3471
Co 228.615	0.1514	ppb	0.2598	171.6	6.3179
Cr 267.716	0.6408	ppb	0.0763	11.9	72.4618
Cu 324.754	-0.1482	ppb	0.1413	95.3	234.341
Fe 271.441	1695.90	ppb	4.9968	0.3	2697.54
K 766.491	693.771	ppb	1.1291	0.2	31316.8
Mg 279.078	2072.37	ppb	4.5723	0.2	5649.87
Mn 257.610	409.095	ppb	1.1101	0.3	76235.4
Mo 202.032	0.5473	ppb	0.6240	114.0	9.2059
Na 330.237	7795.15	ppb	129.205	1.7	393.027
Ni 231.604	1.2537	ppb	0.1998	15.9	-0.7942
Pb 220.353	0.8731	ppb	0.3291	37.7	13.3539
Sb 206.834	-1.1744	ppb	0.3735	31.8	-4.1207
Se 196.026	5.8232	ppb	0.5991	10.3	2.6178
Sn 189.925	-1.8419	ppb	2.7470	149.1	-6.0559
Sr 216.596	59.6387	ppb	0.0545	0.1	752.021

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.1018	ppb	0.0123	12.1	-13.0276
Tl 190.794	-0.5315	ppb	0.5816	109.4	-8.9129
V 292.401	-0.2802	ppb	0.1728	61.7	-20.1071
Zn 206.200	5.6869	ppb	1.2813	22.5	7.1714

680-106319-f-3-a (Samp) **10/20/2014, 7:08:13 PM** **Rack 1, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-0.1234u	0.3624	0.4640
Al 308.215	38.7054	38.7981	39.0138
As 188.980	3.1660	-0.7736u	0.0255
B 249.678	6.4659	6.0573	5.4031
Ba 389.178	2.6593	3.6573	3.0991
Be 313.042	0.2020	0.2034	0.2047
Ca 370.602	652.7	652.3	653.0
Cd 226.502	-0.0948	-0.1289	-0.0572
Co 228.615	5.7457	5.7203	6.1437
Cr 267.716	17.0267	17.2674	17.2405
Cu 324.754	0.2726	0.7705	0.4417
Fe 271.441	2406.90	2404.33	2401.44
K 766.491	1130.33	1128.94	1131.02
Mg 279.078	5320.47	5299.09	5319.04
Mn 257.610	85.9505	85.5697	85.6766
Mo 202.032	3.5142	3.4338	3.7210
Na 330.237	2653.56	2667.16	2610.70
Ni 231.604	26.7356	25.1837	27.6766
Pb 220.353	0.2620	1.3623	0.1019
Sb 206.834	2.2758	-1.1487u	-0.3091u
Se 196.026	-2.3453u	2.0459	10.3147
Sn 189.925	-3.9675u	-3.5424u	-2.7482u
Sr 216.596	9.3280	10.0384	10.2426
Ti 334.941	0.3046	0.3545	0.3141
Tl 190.794	2.6296	0.1234u	-3.6982u
V 292.401	0.1189	-0.1347u	0.0696
Zn 206.200	83.7985	84.0425	84.3093

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2343	ppb	0.3140	134.0	0.3309
Al 308.215	38.8391	ppb	0.1583	0.4	760.217
As 188.980	0.8060	ppb	2.0825	258.4	-6.2428
B 249.678	5.9754	ppb	0.5361	9.0	133.247
Ba 389.178	3.1386	ppb	0.5002	15.9	10.1995
Be 313.042	0.2033	ppb	0.0013	0.7	88.7043
Ca 370.602	652.7	ppb	0.3389	0.1	1782
Cd 226.502	-0.0937	ppb	0.0359	38.3	21.7246
Co 228.615	5.8699	ppb	0.2375	4.0	72.4241
Cr 267.716	17.1782	ppb	0.1319	0.8	973.305
Cu 324.754	0.4950	ppb	0.2532	51.2	282.399
Fe 271.441	2404.22	ppb	2.7284	0.1	3821.18
K 766.491	1130.10	ppb	1.0608	0.1	50888.1
Mg 279.078	5312.87	ppb	11.9551	0.2	14469.0
Mn 257.610	85.7322	ppb	0.1964	0.2	16038.8
Mo 202.032	3.5563	ppb	0.1482	4.2	29.7851

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	2643.81	ppb	29.4662	1.1	147.668
Ni 231.604	26.5319	ppb	1.2589	4.7	78.2268
Pb 220.353	0.5754	ppb	0.6861	119.2	12.8699
Sb 206.834	0.2726	ppb	1.7848	654.6	-1.8862
Se 196.026	3.3384	ppb	6.4282	192.6	1.3946
Sn 189.925	-3.4194	ppb	0.6189	18.1	-7.2575
Sr 216.596	9.8697	ppb	0.4801	4.9	130.860
Ti 334.941	0.3244	ppb	0.0265	8.2	59.0431
Tl 190.794	-0.3151	ppb	3.1866	1011.4	-8.9255
V 292.401	0.0179	ppb	0.1345	749.6	-13.3608
Zn 206.200	84.0501	ppb	0.2555	0.3	93.0535

680-106323-c-4-f (Samp) **10/20/2014, 7:12:30 PM** **Rack 1, Tube 47**

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

Label	Replicates	Concentration	
Ag 328.068	0.1399	-0.1329u	0.0521
Al 308.215	23.4383	23.9840	23.5823
As 188.980	-0.5273u	-3.2221u	4.1729
B 249.678	37.8658	37.9996	37.7999
Ba 389.178	8.7924	8.3808	8.8889
Be 313.042	0.0175	0.0155	0.0186
Ca 370.602	1905	1908	1892
Cd 226.502	0.0929	-0.0331u	-0.0798u
Co 228.615	-0.1779u	0.0677	0.2919
Cr 267.716	0.5349	0.4978	0.4108
Cu 324.754	119.349	119.926	119.815
Fe 271.441	201.111	197.241	197.645
K 766.491	1640.81	1631.58	1636.94
Mg 279.078	450.180	447.104	447.944
Mn 257.610	9.4105	9.4599	9.4157
Mo 202.032	1.3189	0.7354	0.8113
Na 330.237	734.063	813.614	660.176
Ni 231.604	0.0920	0.2542	-0.0168u
Pb 220.353	-0.7788u	0.6967	0.3977
Sb 206.834	1.4353	3.1524	-0.1603u
Se 196.026	-0.3381u	-4.1810u	8.4607
Sn 189.925	-2.1096u	0.8871	-1.0762u
Sr 216.596	10.7628	11.0020	10.1090
Ti 334.941	0.2379	0.1948	0.2740
Tl 190.794	-0.0974u	-0.0210u	0.0046u
V 292.401	-0.0243u	-0.1362u	0.1393
Zn 206.200	136.514	138.757	133.733

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0197	ppb	0.1392	706.9	-17.7815
Al 308.215	23.6682	ppb	0.2828	1.2	653.053
As 188.980	0.1412	ppb	3.7425	2651.1	-6.6760
B 249.678	37.8884	ppb	0.1018	0.3	673.839
Ba 389.178	8.6873	ppb	0.2698	3.1	124.842
Be 313.042	0.0172	ppb	0.0015	8.9	-247.166
Ca 370.602	1902	ppb	8.479	0.4	5225
Cd 226.502	-0.0067	ppb	0.0894	1341.7	17.1144
Co 228.615	0.0606	ppb	0.2350	388.1	5.1582

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.4812	ppb	0.0637	13.2	60.9603
Cu 324.754	119.697	ppb	0.3061	0.3	9108.29
Fe 271.441	198.666	ppb	2.1272	1.1	323.902
K 766.491	1636.44	ppb	4.6390	0.3	73600.2
Mg 279.078	448.409	ppb	1.5896	0.4	1241.51
Mn 257.610	9.4287	ppb	0.0271	0.3	1791.20
Mo 202.032	0.9552	ppb	0.3172	33.2	12.0706
Na 330.237	735.951	ppb	76.7361	10.4	56.7987
Ni 231.604	0.1098	ppb	0.1364	124.2	-4.4966
Pb 220.353	0.1052	ppb	0.7800	741.4	11.9502
Sb 206.834	1.4758	ppb	1.6567	112.3	-0.3729
Se 196.026	1.3138	ppb	6.4807	493.3	0.4020
Sn 189.925	-0.7662	ppb	1.5222	198.7	-5.2400
Sr 216.596	10.6246	ppb	0.4622	4.4	138.826
Ti 334.941	0.2356	ppb	0.0396	16.8	24.0193
Tl 190.794	-0.0379	ppb	0.0531	139.9	-8.3693
V 292.401	-0.0071	ppb	0.1385	1959.1	-13.6988
Zn 206.200	136.334	ppb	2.5167	1.8	150.565

680-106302-c-1-a (Samp) **10/20/2014, 7:16:47 PM** **Rack 1, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	0.2346	0.2419	-0.3106u
Al 308.215	358.728	356.475	357.937
As 188.980	4.3123	3.5887	0.7427
B 249.678	35.9795	35.7327	36.1867
Ba 389.178	16.3831	16.3178	16.2495
Be 313.042	-0.0029	-0.0011	-0.0070u
Ca 370.602	56944	56841	56920
Cd 226.502	-0.2500u	-0.1017u	-0.0839
Co 228.615	-0.1550u	0.4955	0.2528
Cr 267.716	1.5314	1.4518	1.4929
Cu 324.754	13.3309	13.2009	14.3120
Fe 271.441	961.176	965.080	959.795
K 766.491	1437.41	1433.42	1430.36
Mg 279.078	23246.4	23255.7	23288.6
Mn 257.610	40.3500	40.2588	40.3691
Mo 202.032	43.5427	43.0486	43.1610
Na 330.237	8431.81	8438.01	8106.37
Ni 231.604	20.7516	20.1734	20.9883
Pb 220.353	1.0209	2.0199	-2.7534u
Sb 206.834	3.1878	3.3297	4.4546
Se 196.026	7.7602	1.7862	9.1421
Sn 189.925	8.7671	7.7794	7.3728
Sr 216.596	46.5134	46.1222	47.3437
Ti 334.941	0.2658	0.3010	0.2979
Tl 190.794	-1.0731u	-2.5269u	0.5145
V 292.401	-0.0800u	0.1181u	-0.0956u
Zn 206.200	7.8926	7.7719	8.1369

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0553	ppb	0.3169	573.3	-16.5000
Al 308.215	357.713	ppb	1.1432	0.3	2930.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2.8812	ppb	1.8871	65.5	-4.8415
B 249.678	35.9663	ppb	0.2273	0.6	639.829
Ba 389.178	16.3168	ppb	0.0668	0.4	325.352
Be 313.042	-0.0036	ppb	0.0030	82.7	-274.372
Ca 370.602	56902	ppb	54.17	0.1	155778
Cd 226.502	-0.1452	ppb	0.0912	62.8	14.3204
Co 228.615	0.1978	ppb	0.3288	166.2	5.6286
Cr 267.716	1.4920	ppb	0.0398	2.7	116.790
Cu 324.754	13.6146	ppb	0.6075	4.5	1254.89
Fe 271.441	962.017	ppb	2.7407	0.3	1534.13
K 766.491	1433.73	ppb	3.5365	0.2	64507.5
Mg 279.078	23263.5	ppb	22.2023	0.1	63287.3
Mn 257.610	40.3260	ppb	0.0589	0.1	7697.04
Mo 202.032	43.2508	ppb	0.2590	0.6	301.774
Na 330.237	8325.40	ppb	189.709	2.3	418.207
Ni 231.604	20.6377	ppb	0.4192	2.0	59.7023
Pb 220.353	0.0958	ppb	2.5175	2629.1	11.9311
Sb 206.834	3.6574	ppb	0.6940	19.0	2.0494
Se 196.026	6.2295	ppb	3.9095	62.8	2.7134
Sn 189.925	7.9731	ppb	0.7171	9.0	1.4104
Sr 216.596	46.6597	ppb	0.6238	1.3	608.479
Ti 334.941	0.2882	ppb	0.0195	6.8	79.6597
Tl 190.794	-1.0285	ppb	1.5212	147.9	-9.6905
V 292.401	-0.0192	ppb	0.1192	620.9	-20.1396
Zn 206.200	7.9338	ppb	0.1860	2.3	9.6676

Cont Calib Verif (CCV) **10/20/2014, 7:21:03 PM** **Rack 1, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	509.524	508.194	506.198
Al 308.215	4821.27	4823.26	4807.67
As 188.980	469.935	469.347	473.764
B 249.678	483.320	486.183	486.978
Ba 389.178	4977.69	4986.43	4970.38
Be 313.042	498.263	500.324	498.884
Ca 370.602	5113	5116	5081
Cd 226.502	494.874	495.212	492.829
Co 228.615	506.392	507.380	504.365
Cr 267.716	5050.97	5049.84	5029.96
Cu 324.754	5018.12	5062.34	5051.94
Fe 271.441	4912.67	4924.59	4910.64
K 766.491	9962.48	9980.99	9990.80
Mg 279.078	4914.98	4915.52	4906.17
Mn 257.610	5195.40	5200.70	5181.49
Mo 202.032	497.482	497.835	494.370
Na 330.237	7174.38	7494.81	7451.72
Ni 231.604	2533.95	2530.40	2516.84
Pb 220.353	502.019	505.856	497.601
Sb 206.834	945.454	946.449	947.791
Se 196.026	4894.87	4868.56	4883.89
Sn 189.925	4943.91	4969.26	4943.14
Sr 216.596	2488.48	2490.47	2476.97
Ti 334.941	491.367	491.971	491.214

Label	Replicates Concentration		
Tl 190.794	5093.68	5074.39	5055.53
V 292.401	5006.95	5018.10	4993.40
Zn 206.200	2502.39	2514.10	2497.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	507.972	ppb	1.6741	0.3	42888.3	101.59440
Al 308.215	4817.40	ppb	8.4845	0.2	33813.6	96.34792
As 188.980	471.015	ppb	2.3988	0.5	310.815	94.20308
B 249.678	485.494	ppb	1.9238	0.4	8187.11	97.09875
Ba 389.178	4978.17	ppb	8.0332	0.2	109912	99.56338
Be 313.042	499.157	ppb	1.0569	0.2	904016	99.83138
Ca 370.602	5104	ppb	19.48	0.4	14305	102.07153
Cd 226.502	494.305	ppb	1.2894	0.3	21278.3	98.86104
Co 228.615	506.046	ppb	1.5373	0.3	5858.79	101.20911
Cr 267.716	5043.59	ppb	11.8182	0.2	275147	100.87182
Cu 324.754	5044.13	ppb	23.1223	0.5	373714	100.88264
Fe 271.441	4915.97	ppb	7.5367	0.2	7914.48	98.31940
K 766.491	9978.09	ppb	14.3786	0.1	447763	99.78090
Mg 279.078	4912.23	ppb	5.2512	0.1	13274.6	98.24452
Mn 257.610	5192.53	ppb	9.9220	0.2	967081	103.85055
Mo 202.032	496.562	ppb	1.9072	0.4	3401.51	99.31246
Na 330.237	7373.64	ppb	173.897	2.4	310.834	98.31514
Ni 231.604	2527.06	ppb	9.0329	0.4	7889.30	101.08249
Pb 220.353	501.826	ppb	4.1311	0.8	814.131	100.36514
Sb 206.834	946.565	ppb	1.1724	0.1	1407.13	94.65647
Se 196.026	4882.44	ppb	13.2177	0.3	2279.09	97.64880
Sn 189.925	4952.10	ppb	14.8648	0.3	3762.33	99.04210
Sr 216.596	2485.31	ppb	7.2871	0.3	30886.2	99.41238
Ti 334.941	491.518	ppb	0.4001	0.1	145196	98.30351
Tl 190.794	5074.53	ppb	19.0756	0.4	5580.07	101.49065
V 292.401	5006.15	ppb	12.3703	0.2	126963	100.12299
Zn 206.200	2504.62	ppb	8.5867	0.3	2732.79	100.18488

Cont Calib Blank (CCB) **10/20/2014, 7:25:18 PM** **Rack 1, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.1197	0.0284	0.2482
Al 308.215	1.3425	3.0233	1.4399
As 188.980	-1.9344u	2.5483	-1.7812u
B 249.678	8.4608	8.4077	7.1071
Ba 389.178	1.0529	0.4206	-0.4200u
Be 313.042	0.0510	0.0547	0.0466
Ca 370.602	-1.409u	-0.1891u	5.930
Cd 226.502	-0.1308u	0.0595	-0.0483u
Co 228.615	0.4217	-0.0969u	0.2277
Cr 267.716	0.5060	0.3980	0.4538
Cu 324.754	0.0687	0.1623	0.5169
Fe 271.441	3.7665	6.5722	4.9381
K 766.491	2.2799	1.9394	2.1779
Mg 279.078	0.5997	2.9110	0.4772
Mn 257.610	0.6504	0.6144	0.6484
Mo 202.032	0.7416	0.3581	0.3447
Na 330.237	-188.398u	109.075	-106.099u

Label	Replicates Concentration		
Ni 231.604	0.0847	0.0273	-0.5382u
Pb 220.353	-0.0505u	-0.6249u	0.3597
Sb 206.834	1.1217	0.1797	0.7858
Se 196.026	8.1261	-2.3922u	6.7569
Sn 189.925	1.8868	0.7105	0.6826
Sr 216.596	0.2287	0.5402	0.5098
Ti 334.941	0.1300	0.1489	0.1314
Tl 190.794	3.0663	1.0586	3.2790
V 292.401	0.6382	0.2763	0.3828
Zn 206.200	0.4804	-1.4019u	0.5578

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1321	ppb	0.1104	83.6	-7.9311	0.13207
Al 308.215	1.9352	ppb	0.9436	48.8	504.782	1.93522
As 188.980	-0.3891	ppb	2.5450	654.1	-7.0325	-0.38911
B 249.678	7.9919	ppb	0.7667	9.6	172.680	7.99187
Ba 389.178	0.3512	ppb	0.7389	210.4	-60.0054	0.35116
Be 313.042	0.0507	ppb	0.0040	7.9	-186.797	0.05075
Ca 370.602	1.444	ppb	3.932	272.3	24.76	1.44400
Cd 226.502	-0.0399	ppb	0.0954	239.5	14.9483	-0.03986
Co 228.615	0.1841	ppb	0.2620	142.3	6.5798	0.18414
Cr 267.716	0.4526	ppb	0.0540	11.9	59.2520	0.45261
Cu 324.754	0.2493	ppb	0.2364	94.8	263.030	0.24932
Fe 271.441	5.0923	ppb	1.4092	27.7	17.0192	5.09227
K 766.491	2.1324	ppb	0.1747	8.2	293.554	2.13240
Mg 279.078	1.3293	ppb	1.3712	103.1	25.8494	1.32929
Mn 257.610	0.6377	ppb	0.0202	3.2	150.638	0.63771
Mo 202.032	0.4815	ppb	0.2254	46.8	8.8344	0.48148
Na 330.237	-61.8073	ppb	153.603	248.5	22.4886	-61.80725
Ni 231.604	-0.1421	ppb	0.3443	242.3	-5.3005	-0.14209
Pb 220.353	-0.1052	ppb	0.4946	470.0	11.6016	-0.10524
Sb 206.834	0.6957	ppb	0.4775	68.6	-1.4913	0.69574
Se 196.026	4.1636	ppb	5.7186	137.3	1.7269	4.16360
Sn 189.925	1.0933	ppb	0.6873	62.9	-3.8257	1.09329
Sr 216.596	0.4262	ppb	0.1717	40.3	10.8762	0.42622
Ti 334.941	0.1368	ppb	0.0105	7.7	-5.9344	0.13678
Tl 190.794	2.4680	ppb	1.2252	49.6	-5.5908	2.46796
V 292.401	0.4324	ppb	0.1860	43.0	-2.5336	0.43241
Zn 206.200	-0.1212	ppb	1.1097	915.4	0.8789	-0.12123

680-106323-e-1-a (Samp) **10/20/2014, 7:29:33 PM** **Rack 1, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	0.0628u	0.2431	0.1287
Al 308.215	226.942	227.767	226.068
As 188.980	-0.5933u	1.6400	-0.5032u
B 249.678	48.2620	47.8461	47.6176
Ba 389.178	17.9115	17.9113	18.4929
Be 313.042	0.0121	0.0000	0.0101
Ca 370.602	38225	38362	38383
Cd 226.502	-0.1452u	0.1153	0.0395
Co 228.615	0.4347	0.6616	0.4331
Cr 267.716	2.1602	1.9875	2.0201

Label	Replicates Concentration		
Cu 324.754	24.7803	24.7277	24.7856
Fe 271.441	1199.22	1198.76	1203.32
K 766.491	40645.5x	40677.3x	40626.3x
Mg 279.078	8598.76	8595.70	8600.02
Mn 257.610	42.7181	42.8086	42.7178
Mo 202.032	7.7942	7.2621	7.4265
Na 330.237	56241.5	56538.5	56260.6
Ni 231.604	5.4898	3.6963	5.3918
Pb 220.353	-0.1227u	2.4172	0.4105
Sb 206.834	-0.7113u	-1.8731u	2.8461
Se 196.026	10.2488	6.3156	13.9133
Sn 189.925	5.7130	3.7138	1.4342
Sr 216.596	268.478	270.801	270.248
Ti 334.941	2.8656	2.7925	3.2244
Tl 190.794	-4.8787u	-0.1470u	2.4302
V 292.401	-0.0254u	0.0974	0.2006
Zn 206.200	141.260	138.555	141.952

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1449b	ppb	0.0913	63.0	-16.1403
Al 308.215	226.926b	ppb	0.8495	0.4	2038.72
As 188.980	0.1812b	ppb	1.2642	697.7	-6.6554
B 249.678	47.9086b	ppb	0.3267	0.7	839.738
Ba 389.178	18.1052b	ppb	0.3357	1.9	344.689
Be 313.042	0.0074b	ppb	0.0065	87.6	-262.027
Ca 370.602	38323b	ppb	85.58	0.2	104918
Cd 226.502	0.0032b	ppb	0.1340	4144.4	21.0624
Co 228.615	0.5098b	ppb	0.1315	25.8	10.3221
Cr 267.716	2.0559b	ppb	0.0917	4.5	148.657
Cu 324.754	24.7645b	ppb	0.0320	0.1	2079.20
Fe 271.441	1200.44b	ppb	2.5099	0.2	1912.11
K 766.491	40649.7xb	ppb	25.7952	0.1	1823529
Mg 279.078	8598.16b	ppb	2.2192	0.0	23404.3
Mn 257.610	42.7482b	ppb	0.0523	0.1	8052.54
Mo 202.032	7.4943b	ppb	0.2724	3.6	56.8179
Na 330.237	56346.9b	ppb	166.193	0.3	2682.82
Ni 231.604	4.8593b	ppb	1.0084	20.8	10.4274
Pb 220.353	0.9017b	ppb	1.3393	148.5	13.2789
Sb 206.834	0.0872b	ppb	2.4589	2818.8	-2.4310
Se 196.026	10.1593b	ppb	3.7997	37.4	4.5507
Sn 189.925	3.6204b	ppb	2.1409	59.1	-1.8849
Sr 216.596	269.842b	ppb	1.2134	0.4	3381.96
Ti 334.941	2.9608b	ppb	0.2312	7.8	839.338
Tl 190.794	-0.8652b	ppb	3.7070	428.5	-9.4183
V 292.401	0.0908b	ppb	0.1132	124.6	-12.2423
Zn 206.200	140.589b	ppb	1.7949	1.3	155.181

680-106323-e-2-a (Samp) **10/20/2014, 7:33:48 PM** **Rack 1, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	0.1035u	0.1249	-0.1485u
Al 308.215	362.205	361.964	359.511
As 188.980	-0.2873u	0.4274	-2.9882u

Label	Replicates Concentration		
B 249.678	18.4414	18.1565	18.4546
Ba 389.178	16.5870	16.8289	16.3568
Be 313.042	0.0053	0.0093	0.0109
Ca 370.602	26247	26152	26190
Cd 226.502	-0.3564u	-0.1552u	-0.3042u
Co 228.615	-0.0246u	-0.2665u	-0.2400u
Cr 267.716	2.2958	2.2032	1.8700
Cu 324.754	2.2560	2.1411	2.4700
Fe 271.441	223.460	222.380	222.096
K 766.491	1776.58	1773.63	1773.05
Mg 279.078	7205.12	7200.43	7192.06
Mn 257.610	3.3499	3.3178	3.3759
Mo 202.032	2.3476	2.3856	2.8334
Na 330.237	8412.40	8636.43	8281.09
Ni 231.604	0.1553	0.8603	0.7359
Pb 220.353	-0.8843u	1.1041	1.2411
Sb 206.834	1.1291	-2.1302u	1.9786
Se 196.026	-0.8209u	0.9964	2.4611
Sn 189.925	-2.5412u	-1.4399u	0.6477
Sr 216.596	307.805	309.134	307.955
Ti 334.941	7.4200	7.0833	7.3480
Tl 190.794	-1.7588u	1.8380	0.6492
V 292.401	0.1163	-0.0827u	-0.3521u
Zn 206.200	16.5425	16.7024	16.1208

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0267	ppb	0.1521	570.0	-27.3297
Al 308.215	361.227	ppb	1.4909	0.4	2950.88
As 188.980	-0.9494	ppb	1.8014	189.8	-7.4087
B 249.678	18.3508	ppb	0.1684	0.9	345.966
Ba 389.178	16.5909	ppb	0.2361	1.4	308.725
Be 313.042	0.0085	ppb	0.0029	34.1	-256.126
Ca 370.602	26196	ppb	47.93	0.2	71733
Cd 226.502	-0.2720	ppb	0.1044	38.4	5.8593
Co 228.615	-0.1771	ppb	0.1327	74.9	2.5242
Cr 267.716	2.1230	ppb	0.2240	10.5	150.690
Cu 324.754	2.2890	ppb	0.1669	7.3	414.250
Fe 271.441	222.645	ppb	0.7200	0.3	361.895
K 766.491	1774.42	ppb	1.8952	0.1	79789.0
Mg 279.078	7199.20	ppb	6.6150	0.1	19600.5
Mn 257.610	3.3479	ppb	0.0291	0.9	703.280
Mo 202.032	2.5222	ppb	0.2702	10.7	22.8039
Na 330.237	8443.31	ppb	179.675	2.1	423.717
Ni 231.604	0.5838	ppb	0.3763	64.5	-3.0127
Pb 220.353	0.4870	ppb	1.1895	244.3	12.5488
Sb 206.834	0.3258	ppb	2.1689	665.7	-2.0318
Se 196.026	0.8788	ppb	1.6442	187.1	0.1981
Sn 189.925	-1.1111	ppb	1.6197	145.8	-5.4998
Sr 216.596	308.298	ppb	0.7279	0.2	3855.10
Ti 334.941	7.2838	ppb	0.1773	2.4	2118.02
Tl 190.794	0.2428	ppb	1.8325	754.8	-8.0731
V 292.401	-0.1062	ppb	0.2351	221.4	-16.4016
Zn 206.200	16.4552	ppb	0.3005	1.8	19.0482

680-106323-e-3-a (Samp) **10/20/2014, 7:38:03 PM** **Rack 1, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	0.0091u	0.1194	0.0473
Al 308.215	147.616	146.951	149.333
As 188.980	-3.6181u	-1.2972u	-0.8028u
B 249.678	39.3369	39.2980	39.3530
Ba 389.178	12.9610	11.7889	11.5886
Be 313.042	0.0278	0.0200	0.0307
Ca 370.602	12990	12965	12992
Cd 226.502	-0.0453	-0.0358	-0.0272
Co 228.615	0.0427	0.2900	0.4031
Cr 267.716	1.0772	1.1182	1.1137
Cu 324.754	15.9671	16.0772	16.0285
Fe 271.441	1414.23	1414.06	1409.67
K 766.491	59859.6x	59974.3x	59970.1x
Mg 279.078	672.973	674.860	674.326
Mn 257.610	17.1425	17.1600	17.0835
Mo 202.032	0.3817	0.5655	0.9639
Na 330.237	48821.2	48794.0	48805.0
Ni 231.604	1.2302	0.6186	0.4711
Pb 220.353	0.5610	1.3378	-0.8532u
Sb 206.834	-0.0769u	-1.1193u	0.2678
Se 196.026	-0.5658u	4.2486	0.2627
Sn 189.925	-4.4179u	-1.9383u	-2.4425u
Sr 216.596	45.2144	45.3805	45.2841
Ti 334.941	3.8012	3.2635	3.5936
Tl 190.794	-3.6359u	1.0985	-2.8603u
V 292.401	1.0750	0.7585	0.6340
Zn 206.200	191.178	187.977	189.708

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0586b	ppb	0.0560	95.7	-15.8420
Al 308.215	147.967b	ppb	1.2289	0.8	1501.27
As 188.980	-1.9060b	ppb	1.5031	78.9	-8.0635
B 249.678	39.3293b	ppb	0.0282	0.1	695.340
Ba 389.178	12.1128b	ppb	0.7413	6.1	201.471
Be 313.042	0.0262b	ppb	0.0055	21.0	-235.453
Ca 370.602	12982b	ppb	15.09	0.1	35545
Cd 226.502	-0.0361b	ppb	0.0090	25.0	20.0838
Co 228.615	0.2453b	ppb	0.1843	75.1	7.4983
Cr 267.716	1.1031b	ppb	0.0225	2.0	96.4959
Cu 324.754	16.0243b	ppb	0.0552	0.3	1431.78
Fe 271.441	1412.66b	ppb	2.5853	0.2	2248.52
K 766.491	59934.6xb	ppb	65.0225	0.1	2688552
Mg 279.078	674.053b	ppb	0.9724	0.1	1854.96
Mn 257.610	17.1287b	ppb	0.0401	0.2	3229.65
Mo 202.032	0.6370b	ppb	0.2976	46.7	9.8330
Na 330.237	48806.7b	ppb	13.6743	0.0	2325.48
Ni 231.604	0.7733b	ppb	0.4025	52.0	-2.3196
Pb 220.353	0.3485b	ppb	1.1109	318.7	12.4176
Sb 206.834	-0.3095b	ppb	0.7222	233.4	-2.8848
Se 196.026	1.3152b	ppb	2.5740	195.7	0.4210
Sn 189.925	-2.9329b	ppb	1.3106	44.7	-6.8722
Sr 216.596	45.2930b	ppb	0.0834	0.2	576.203

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	3.5528b	ppb	0.2712	7.6	1000.70
Tl 190.794	-1.7993b	ppb	2.5393	141.1	-10.4625
V 292.401	0.8225b	ppb	0.2274	27.6	7.5183
Zn 206.200	189.621b	ppb	1.6025	0.8	208.964

680-106319-f-4-d (Samp) **10/20/2014, 7:42:19 PM** **Rack 1, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	0.0310	0.4325	0.3135
Al 308.215	23.9756	24.6364	23.4955
As 188.980	-6.5465u	-0.7356u	-1.8460u
B 249.678	6.0279	6.0565	6.0896
Ba 389.178	2.9491	2.8706	3.3076
Be 313.042	0.1539	0.1553	0.1596
Ca 370.602	651.1	659.7	656.3
Cd 226.502	-0.1111	-0.1994u	-0.1010
Co 228.615	5.8999	5.5226	5.5406
Cr 267.716	28.0636	27.9579	28.1885
Cu 324.754	1.1804	0.9695	1.2465
Fe 271.441	1950.46	1955.41	1943.26
K 766.491	1111.72	1114.81	1111.94
Mg 279.078	5301.76	5318.83	5311.91
Mn 257.610	83.8788	84.0487	83.9592
Mo 202.032	5.4723	6.0709	5.2550
Na 330.237	2607.66	2446.65	2669.36
Ni 231.604	37.9671	38.0689	38.3906
Pb 220.353	0.1501	-1.1489u	1.9052
Sb 206.834	0.5681	-0.4264u	2.2967
Se 196.026	3.9787	1.3459	5.8745
Sn 189.925	0.1901	-1.5838u	-3.0269u
Sr 216.596	10.0927	9.9318	10.2495
Ti 334.941	0.2562	0.2529	0.2586
Tl 190.794	-0.4885u	2.2504	1.0925
V 292.401	-0.1230u	0.0193u	-0.1811u
Zn 206.200	68.9674	67.3268	70.1714

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2590	ppb	0.2062	79.6	2.4710
Al 308.215	24.0358	ppb	0.5728	2.4	658.785
As 188.980	-3.0427	ppb	3.0847	101.4	-8.8366
B 249.678	6.0580	ppb	0.0309	0.5	135.701
Ba 389.178	3.0424	ppb	0.2330	7.7	7.8217
Be 313.042	0.1563	ppb	0.0029	1.9	3.2047
Ca 370.602	655.7	ppb	4.350	0.7	1795
Cd 226.502	-0.1372	ppb	0.0541	39.4	18.1526
Co 228.615	5.6544	ppb	0.2129	3.8	69.8708
Cr 267.716	28.0700	ppb	0.1155	0.4	1567.26
Cu 324.754	1.1321	ppb	0.1447	12.8	329.462
Fe 271.441	1949.71	ppb	6.1080	0.3	3100.65
K 766.491	1112.82	ppb	1.7260	0.2	50113.3
Mg 279.078	5310.83	ppb	8.5847	0.2	14463.5
Mn 257.610	83.9622	ppb	0.0850	0.1	15707.9
Mo 202.032	5.5994	ppb	0.4225	7.5	43.8023

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	2574.56	ppb	114.983	4.5	144.868
Ni 231.604	38.1422	ppb	0.2210	0.6	114.460
Pb 220.353	0.3021	ppb	1.5327	507.3	12.4108
Sb 206.834	0.8128	ppb	1.3779	169.5	-1.0361
Se 196.026	3.7330	ppb	2.2742	60.9	1.5720
Sn 189.925	-1.4735	ppb	1.6113	109.4	-5.7774
Sr 216.596	10.0914	ppb	0.1588	1.6	132.744
Ti 334.941	0.2559	ppb	0.0029	1.1	38.7355
Tl 190.794	0.9515	ppb	1.3749	144.5	-7.4794
V 292.401	-0.0949	ppb	0.1031	108.6	-17.1307
Zn 206.200	68.8219	ppb	1.4279	2.1	76.3353

680-106319-f-4-e ms (Samp) **10/20/2014, 7:46:35 PM** **Rack 1, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	47.0562	46.9249	46.6446
Al 308.215	4398.89	4406.10	4404.04
As 188.980	89.7654	86.4512	89.2474
B 249.678	178.225	179.497	179.973
Ba 389.178	93.3951	94.0635	93.9614
Be 313.042	46.8332	46.8450	46.9547
Ca 370.602	5178	5171	5192
Cd 226.502	45.1016	45.2758	44.9967
Co 228.615	51.9721	50.8614	51.6576
Cr 267.716	120.040	119.747	120.090
Cu 324.754	93.1693	92.1298	92.9134
Fe 271.441	6327.69	6339.74	6339.88
K 766.491	5472.94	5476.12	5490.04
Mg 279.078	9319.36	9332.96	9334.87
Mn 257.610	560.292	558.776	559.175
Mo 202.032	96.7975	96.2082	95.6472
Na 330.237	6588.04	6517.28	6505.93
Ni 231.604	126.935	124.636	124.917
Pb 220.353	450.051	447.668	449.463
Sb 206.834	46.1636	41.5531	48.8057
Se 196.026	83.5798	92.4634	90.2743
Sn 189.925	177.262	171.193	176.218
Sr 216.596	99.9261	99.1512	98.0039
Ti 334.941	91.9339	91.9901	92.1596
Tl 190.794	39.9552	37.7553	34.7055
V 292.401	92.0533	92.0771	92.2814
Zn 206.200	155.452	153.464	154.319

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.8752	ppb	0.2102	0.4	3943.08
Al 308.215	4403.01	ppb	3.7094	0.1	30487.1
As 188.980	88.4880	ppb	1.7828	2.0	52.8936
B 249.678	179.232	ppb	0.9033	0.5	3031.73
Ba 389.178	93.8067	ppb	0.3601	0.4	2021.17
Be 313.042	46.8776	ppb	0.0670	0.1	84620.0
Ca 370.602	5180	ppb	10.84	0.2	14181
Cd 226.502	45.1247	ppb	0.1410	0.3	1979.86
Co 228.615	51.4970	ppb	0.5725	1.1	599.584

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	119.959	ppb	0.1851	0.2	6583.33
Cu 324.754	92.7375	ppb	0.5416	0.6	7117.11
Fe 271.441	6335.77	ppb	6.9948	0.1	10060.7
K 766.491	5479.70	ppb	9.0910	0.2	245988
Mg 279.078	9329.06	ppb	8.4587	0.1	25379.9
Mn 257.610	559.414	ppb	0.7856	0.1	104289
Mo 202.032	96.2177	ppb	0.5752	0.6	664.261
Na 330.237	6537.08	ppb	44.4919	0.7	328.704
Ni 231.604	125.496	ppb	1.2540	1.0	387.635
Pb 220.353	449.061	ppb	1.2418	0.3	726.261
Sb 206.834	45.5075	ppb	3.6705	8.1	62.8289
Se 196.026	88.7725	ppb	4.6283	5.2	41.4193
Sn 189.925	174.891	ppb	3.2448	1.9	128.381
Sr 216.596	99.0271	ppb	0.9671	1.0	1243.78
Ti 334.941	92.0279	ppb	0.1175	0.1	27163.1
Tl 190.794	37.4720	ppb	2.6363	7.0	32.2960
V 292.401	92.1373	ppb	0.1254	0.1	2312.35
Zn 206.200	154.412	ppb	0.9972	0.6	169.740

680-106319-f-4-f msd (Samp) **10/20/2014, 7:50:51 PM** **Rack 1, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	48.2490	48.6951	48.5848
Al 308.215	4497.16	4501.95	4485.75
As 188.980	93.9114	87.3015	88.5269
B 249.678	183.724	184.534	184.347
Ba 389.178	95.7117	95.5649	95.5685
Be 313.042	47.6956	47.8681	47.6214
Ca 370.602	5300	5313	5318
Cd 226.502	45.8540	46.1036	45.8190
Co 228.615	52.1333	52.0354	52.1588
Cr 267.716	121.317	121.313	121.487
Cu 324.754	94.6352	95.3722	94.6475
Fe 271.441	6414.36	6428.71	6409.98
K 766.491	5604.67	5593.21	5573.02
Mg 279.078	9413.74	9447.85	9435.34
Mn 257.610	571.068	573.347	574.312
Mo 202.032	98.8421	98.6272	98.3639
Na 330.237	6760.23	6587.42	6667.97
Ni 231.604	127.563	126.252	128.425
Pb 220.353	458.386	463.151	462.274
Sb 206.834	48.2636	44.8451	48.8160
Se 196.026	92.1266	99.1871	92.4811
Sn 189.925	178.575	179.994	181.000
Sr 216.596	99.6458	100.946	100.265
Ti 334.941	94.0875	94.2509	93.7916
Tl 190.794	37.3185	38.5359	31.3547
V 292.401	94.7659	95.0019	94.5771
Zn 206.200	155.530	158.776	153.757

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.5097	ppb	0.2323	0.5	4081.28
Al 308.215	4494.95	ppb	8.3248	0.2	31113.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	89.9133	ppb	3.5163	3.9	53.8546
B 249.678	184.202	ppb	0.4239	0.2	3114.91
Ba 389.178	95.6151	ppb	0.0838	0.1	2061.28
Be 313.042	47.7284	ppb	0.1266	0.3	86160.7
Ca 370.602	5311	ppb	9.210	0.2	14538
Cd 226.502	45.9255	ppb	0.1552	0.3	2014.62
Co 228.615	52.1091	ppb	0.0651	0.1	606.640
Cr 267.716	121.372	ppb	0.0993	0.1	6660.50
Cu 324.754	94.8850	ppb	0.4220	0.4	7276.22
Fe 271.441	6417.68	ppb	9.8009	0.2	10190.7
K 766.491	5590.30	ppb	16.0247	0.3	250949
Mg 279.078	9432.31	ppb	17.2522	0.2	25660.5
Mn 257.610	572.909	ppb	1.6656	0.3	106803
Mo 202.032	98.6111	ppb	0.2395	0.2	680.651
Na 330.237	6671.88	ppb	86.4713	1.3	335.030
Ni 231.604	127.413	ppb	1.0942	0.9	393.631
Pb 220.353	461.270	ppb	2.5360	0.5	745.681
Sb 206.834	47.3082	ppb	2.1509	4.5	65.3925
Se 196.026	94.5983	ppb	3.9780	4.2	44.1412
Sn 189.925	179.856	ppb	1.2182	0.7	132.159
Sr 216.596	100.286	ppb	0.6504	0.6	1259.52
Ti 334.941	94.0433	ppb	0.2328	0.2	27758.8
Tl 190.794	35.7364	ppb	3.8431	10.8	30.3786
V 292.401	94.7816	ppb	0.2128	0.2	2379.24
Zn 206.200	156.021	ppb	2.5452	1.6	171.498

CRI (Samp) **10/20/2014, 7:55:07 PM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.9400	10.2354	10.8523
Al 308.215	209.489	205.594	208.372
As 188.980	17.5954	18.1210	22.3939
B 249.678	107.408	105.367	106.605
Ba 389.178	9.9921	10.7333	9.7422
Be 313.042	4.3101	4.2207	4.2896
Ca 370.602	544.3	534.8	542.0
Cd 226.502	5.1627	5.1209	5.3992
Co 228.615	10.8156	10.6064	9.8656
Cr 267.716	10.9193	10.7129	10.6236
Cu 324.754	21.3248	19.8901	21.5829
Fe 271.441	56.4476	54.9710	67.8610
K 766.491	1079.57	1077.68	1077.94
Mg 279.078	522.330	511.361	522.091
Mn 257.610	11.6322	11.4726	11.6913
Mo 202.032	11.3262	10.1573	10.4737
Na 330.237	1079.64	955.244	1072.92
Ni 231.604	41.4529	42.2781	42.2356
Pb 220.353	10.4719	8.2319	8.9354
Sb 206.834	22.3089	21.2507	20.8441
Se 196.026	22.7043	15.0680	26.8030
Sn 189.925	54.7853	53.1739	55.0702
Sr 216.596	10.8906	10.2585	10.5781
Ti 334.941	10.6179	10.4313	10.6639

Label	Replicates Concentration		
Tl 190.794	27.8039	25.7176	24.7503
V 292.401	10.6150	10.3792	10.6178
Zn 206.200	22.3780	21.6355	21.7455

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6759	ppb	0.3840	3.6	883.353
Al 308.215	207.818	ppb	2.0052	1.0	1907.80
As 188.980	19.3701	ppb	2.6319	13.6	6.2943
B 249.678	106.460	ppb	1.0279	1.0	1824.99
Ba 389.178	10.1558	ppb	0.5154	5.1	157.369
Be 313.042	4.2735	ppb	0.0468	1.1	7460.71
Ca 370.602	540.4	ppb	4.960	0.9	1504
Cd 226.502	5.2276	ppb	0.1501	2.9	241.528
Co 228.615	10.4292	ppb	0.4991	4.8	124.931
Cr 267.716	10.7519	ppb	0.1517	1.4	621.068
Cu 324.754	20.9326	ppb	0.9120	4.4	1794.92
Fe 271.441	59.7599	ppb	7.0546	11.8	105.059
K 766.491	1078.39	ppb	1.0224	0.1	48569.0
Mg 279.078	518.594	ppb	6.2648	1.2	1432.27
Mn 257.610	11.5987	ppb	0.1132	1.0	2195.43
Mo 202.032	10.6524	ppb	0.6046	5.7	78.4952
Na 330.237	1035.93	ppb	69.9610	6.8	73.7693
Ni 231.604	41.9889	ppb	0.4647	1.1	126.303
Pb 220.353	9.2130	ppb	1.1455	12.4	26.4088
Sb 206.834	21.4679	ppb	0.7561	3.5	28.2910
Se 196.026	21.5251	ppb	5.9557	27.7	9.8308
Sn 189.925	54.3431	ppb	1.0226	1.9	36.6809
Sr 216.596	10.5757	ppb	0.3161	3.0	136.225
Ti 334.941	10.5710	ppb	0.1232	1.2	3078.03
Tl 190.794	26.0906	ppb	1.5606	6.0	20.3897
V 292.401	10.5373	ppb	0.1370	1.3	252.507
Zn 206.200	21.9197	ppb	0.4007	1.8	25.0240

CCV (Samp) **10/20/2014, 7:59:24 PM** **Rack 1, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	504.104	497.049	502.069
Al 308.215	4768.78	4775.05	4768.48
As 188.980	467.679	468.261	475.566
B 249.678	479.103	483.602	484.168
Ba 389.178	4937.37	4929.48	4929.84
Be 313.042	494.401	492.505	493.226
Ca 370.602	5009	5016	5023
Cd 226.502	487.600	489.493	489.118
Co 228.615	498.271	500.309	500.154
Cr 267.716	4974.45	4986.87	4990.39
Cu 324.754	5069.85	4937.11	4989.28
Fe 271.441	4861.39	4863.57	4866.70
K 766.491	9910.00	9924.88	9915.57
Mg 279.078	4828.88	4842.23	4846.74
Mn 257.610	5088.72	5122.72	5111.36
Mo 202.032	490.159	491.964	494.538
Na 330.237	7234.51	7459.39	7170.65

Label	Replicates Concentration		
Ni 231.604	2487.37	2497.65	2494.76
Pb 220.353	492.075	497.822	496.414
Sb 206.834	942.519	944.862	947.003
Se 196.026	4835.59	4828.85	4834.74
Sn 189.925	4884.71	4900.50	4907.33
Sr 216.596	2446.96	2458.98	2467.99
Ti 334.941	486.921	487.495	486.632
Tl 190.794	5017.86	5005.44	5026.20
V 292.401	4943.54	4941.01	4951.29
Zn 206.200	2466.24	2466.88	2471.04

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	501.074	ppb	3.6315	0.7	42305.1
Al 308.215	4770.77	ppb	3.7117	0.1	33490.8
As 188.980	470.502	ppb	4.3952	0.9	310.469
B 249.678	482.291	ppb	2.7752	0.6	8133.43
Ba 389.178	4932.23	ppb	4.4538	0.1	108897
Be 313.042	493.377	ppb	0.9568	0.2	893546
Ca 370.602	5016	ppb	7.042	0.1	14062
Cd 226.502	488.737	ppb	1.0027	0.2	21038.8
Co 228.615	499.578	ppb	1.1344	0.2	5783.98
Cr 267.716	4983.90	ppb	8.3742	0.2	271891
Cu 324.754	4998.75	ppb	66.8736	1.3	370353
Fe 271.441	4863.88	ppb	2.6699	0.1	7830.69
K 766.491	9916.82	ppb	7.5165	0.1	445014
Mg 279.078	4839.28	ppb	9.2912	0.2	13077.6
Mn 257.610	5107.60	ppb	17.3110	0.3	951264
Mo 202.032	492.220	ppb	2.2007	0.4	3371.82
Na 330.237	7288.19	ppb	151.671	2.1	307.689
Ni 231.604	2493.26	ppb	5.3015	0.2	7783.70
Pb 220.353	495.437	ppb	2.9956	0.6	803.922
Sb 206.834	944.794	ppb	2.2428	0.2	1404.05
Se 196.026	4833.06	ppb	3.6710	0.1	2256.03
Sn 189.925	4897.52	ppb	11.6021	0.2	3720.80
Sr 216.596	2457.98	ppb	10.5545	0.4	30546.7
Ti 334.941	487.016	ppb	0.4396	0.1	143866
Tl 190.794	5016.50	ppb	10.4461	0.2	5516.16
V 292.401	4945.28	ppb	5.3557	0.1	125418
Zn 206.200	2468.05	ppb	2.6085	0.1	2692.83

CCB (Samp) **10/20/2014, 8:03:41 PM** **Rack 1, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	0.0519	0.2120	0.1254
Al 308.215	2.1293	2.7947	3.3672
As 188.980	-1.4882u	3.5810	-3.0606u
B 249.678	9.0243	7.7578	7.5052
Ba 389.178	0.1985	1.1101	1.2420
Be 313.042	0.0535	0.0578	0.0727
Ca 370.602	-0.5216u	1.753	2.392
Cd 226.502	0.1756	-0.0052u	-0.0625u
Co 228.615	-0.2488u	0.3172	0.1854
Cr 267.716	0.3597	0.5225	0.7784

Label	Replicates Concentration		
Cu 324.754	0.3810	0.1827	0.1802
Fe 271.441	7.4619	1.1365	8.3810
K 766.491	2.6581	2.8457	3.4169
Mg 279.078	1.5273	0.9522	-2.6300u
Mn 257.610	0.6301	0.6837	0.8798
Mo 202.032	-0.0648u	0.4312	0.2434
Na 330.237	3.1570	119.958	-31.1643u
Ni 231.604	-0.1892u	0.4119	0.1040
Pb 220.353	0.1937	-1.2719u	-0.3746u
Sb 206.834	-1.3793u	-1.0887u	-0.8194u
Se 196.026	9.9069	-1.6674u	1.0704
Sn 189.925	1.0008	-1.3213u	2.3431
Sr 216.596	0.2660	-0.0565u	0.4516
Ti 334.941	0.1552	0.1049	0.1704
Tl 190.794	3.0450	4.0700	2.4354
V 292.401	0.7459	0.6770	0.7183
Zn 206.200	1.0413	1.1276	0.6994

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1298	ppb	0.0801	61.7	-8.1253
Al 308.215	2.7637	ppb	0.6195	22.4	510.437
As 188.980	-0.3226	ppb	3.4709	1075.9	-6.9875
B 249.678	8.0958	ppb	0.8140	10.1	174.395
Ba 389.178	0.8502	ppb	0.5682	66.8	-48.9867
Be 313.042	0.0613	ppb	0.0101	16.5	-167.538
Ca 370.602	1.208	ppb	1.532	126.8	24.13
Cd 226.502	0.0360	ppb	0.1243	345.5	18.2055
Co 228.615	0.0846	ppb	0.2962	350.1	5.4408
Cr 267.716	0.5535	ppb	0.2111	38.1	64.7517
Cu 324.754	0.2480	ppb	0.1152	46.5	262.907
Fe 271.441	5.6598	ppb	3.9442	69.7	17.9397
K 766.491	2.9735	ppb	0.3952	13.3	331.283
Mg 279.078	-0.0502	ppb	2.2526	4489.0	22.0949
Mn 257.610	0.7312	ppb	0.1314	18.0	168.040
Mo 202.032	0.2033	ppb	0.2504	123.2	6.9283
Na 330.237	30.6502	ppb	79.2236	258.5	26.8370
Ni 231.604	0.1089	ppb	0.3006	276.1	-4.5168
Pb 220.353	-0.4843	ppb	0.7390	152.6	10.9994
Sb 206.834	-1.0958	ppb	0.2800	25.6	-4.0553
Se 196.026	3.1033	ppb	6.0490	194.9	1.2322
Sn 189.925	0.6742	ppb	1.8539	275.0	-4.1445
Sr 216.596	0.2204	ppb	0.2571	116.7	8.3163
Ti 334.941	0.1435	ppb	0.0343	23.9	-3.9572
Tl 190.794	3.1834	ppb	0.8261	25.9	-4.8016
V 292.401	0.7137	ppb	0.0347	4.9	4.6763
Zn 206.200	0.9561	ppb	0.2265	23.7	2.0605

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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-48	CV0613B-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.17 g	100 mL			
680-106200-B-49	CV0753A-CS (0-4")	3050B, 6010C	T	CALC NOT SET TO RUN	1.19 g	100 mL			
680-106200-B-46	CV0613B-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-106200-B-50	CV0753A-CSD (0-4")	3050B, 6010C	T	CALC NOT SET TO RUN	1.11 g	100 mL			

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

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.: 680-106200-3

SDG No.: 680-106200-03

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-A-51 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.15 g	100 mL	1 mL	1 mL	1 mL
680-106200-A-51 MSD		3050B, 6010C	T	CALC NOT SET TO RUN	1.15 g	100 mL	1 mL	1 mL	1 mL
680-106200-B-45	CV0613B-CSD6	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-106200-B-44	CV0509T-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-106200-B-47	CV0613B-CS18	3050B, 6010C	T	CALC NOT SET TO RUN	1.18 g	100 mL			
680-106200-B-42	CV0509T-CS18	3050B, 6010C	T	CALC NOT SET TO RUN	1.15 g	100 mL			
680-106200-B-43	CV0613B-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.11 g	100 mL			
680-106200-B-41	CV0509T-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	1.13 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.: 680-106200-3

SDG No.: 680-106200-03

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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Batch Number: 353312 Batch Start Date: 10/13/14 12:36 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 10/13/14 16:45

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 680-353312/1		3050B, 6010C		CALC NOT SET TO RUN	1.08 g	100 mL			
LCS 680-353312/2		3050B, 6010C		CALC NOT SET TO RUN	1.01 g	100 mL	1 mL	1 mL	1 mL
680-106200-A-1 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL	1 mL	1 mL	1 mL
680-106200-A-1 MSD		3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL	1 mL	1 mL	1 mL
680-106200-B-39	CV0739A-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL			
680-106200-B-38	CV0739A-CS18	3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	100 mL			
680-106200-B-33	CV0965D-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	1.15 g	100 mL			
680-106200-B-35	CV0965D-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.14 g	100 mL			
680-106200-B-34	CV0965D-CS18	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-106200-B-36	CV0739A-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 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.: 680-106200-3

SDG No.: 680-106200-03

Batch Number: 353312 Batch Start Date: 10/13/14 12:36 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 10/13/14 16:45

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 & 3787097
Hood ID or number	FH8
Hot Block ID number	10
Nominal Amount Used	1 g
Oven, Bath or Block Temperature 1	96 Degrees C
Oven, Bath or Block Temperature 2	95 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	96 Celsius
Uncorrected Temperature 2	95 Degrees C

Basis	Basis Description
T	Total/NA

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-106200-3

SDG No.: 680-106200-03

Batch Number: 353346 Batch Start Date: 10/13/14 14:24 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 10/14/14 09:31

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 680-353346/1		3050B, 6010C		CALC NOT SET TO RUN	1.04 g	100 mL			
LCS 680-353346/2		3050B, 6010C		CALC NOT SET TO RUN	1.08 g	100 mL	1 mL	1 mL	1 mL
680-106200-B-31	CV0965D-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-106200-B-31 MS	CV0965D-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL	1 mL	1 mL	1 mL
680-106200-B-31 MSD	CV0965D-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL	1 mL	1 mL	1 mL
680-106200-B-40	CV0509T-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL			
680-106200-B-32	CV0965D-CSD6	3050B, 6010C	T	CALC NOT SET TO RUN	1.19 g	100 mL			

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	3787097
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	96 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	96 Degrees C

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.: 680-106200-3

SDG No.: 680-106200-03

Batch Number: 353346 Batch Start Date: 10/13/14 14:24 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 10/14/14 09:31

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.: 680-106200-3

SDG No.: 680-106200-03

Batch Number: 353436 Batch Start Date: 10/14/14 10:32 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 10/14/14 16:19

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 680-353436/1		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL			
LCS 680-353436/2		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	1 mL	1 mL	1 mL
680-106194-B-2 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	100 mL	1 mL	1 mL	1 mL
680-106194-B-2 MSD		3050B, 6010C	T	CALC NOT SET TO RUN	1.15 g	100 mL	1 mL	1 mL	1 mL
680-106200-B-37	CV0739A-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	0.54 g	100 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 680-353436/1		3050B, 6010C							
LCS 680-353436/2		3050B, 6010C							
680-106194-B-2 MS		3050B, 6010C	T						
680-106194-B-2 MSD		3050B, 6010C	T						
680-106200-B-37	CV0739A-CS12	3050B, 6010C	T	Sample reacted violently upon heating with HCL					

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.: 680-106200-3

SDG No.: 680-106200-03

Batch Number: 353436 Batch Start Date: 10/14/14 10:32 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 10/14/14 16:19

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	3787097
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	96 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	96 Degrees C

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

Serial Number 85599

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 Ave C	PROJECT NO.: 20140778-1006	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 1 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
10/6/14	15:30	CV0965D-CS6	C		X			X	X	MS+MSD if possible
10/6/14	15:30	CV0965D-CSD6	C		X			X	X	
10/6/14	15:40	CV0965D-CS12	C		X			X	X	
10/6/14	15:55	CV0965D-CS18	C		X			X	X	
10/6/14	16:00	CV0965D-CS24	C		X			X	X	
10/6/14	13:50	CV0739A-CS6	C		X			X	X	
10/6/14	14:00	CV0739A-CS12	C		X			X	X	
10/6/14	14:10	CV0739A-CS18	C		X			X	X	
10/6/14	14:20	CV0739A-CS24	C		X			X	X	
10/7/14	09:20	CV0509T-CS6	C		X			X	X	
10/7/14	09:30	CV0509T-CS12	C		X			X	X	
10/7/14	09:40	CV0509T-CS18	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)

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:

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 (PRESERVATIVE)	PAHs (PRESERVATIVE)									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)

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-3
SDG Number: 680-106200-03

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: 680-106200-3
TestAmerica Sample Delivery Group: 680-106200-03
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 3:55:45 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: 680-106200-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-106200-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In 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 CV0965D-CS6 (680-106200-31), CV0965D-CSD6 (680-106200-32), CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0739A-CS6 (680-106200-36), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0509T-CS18 (680-106200-42), CV0613B-CS6 (680-106200-43), CV0509T-CS24 (680-106200-44), CV0613B-CSD6 (680-106200-45), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0753A-CS (0-4") (680-106200-49) and CV0753A-CSD (0-4") (680-106200-50) 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): CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0965D-CSD6 (680-106200-32), CV0509T-CS18 (680-106200-42), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0613B-CS6 (680-106200-43), CV0613B-CSD6 (680-106200-45), CV0753A-CS (0-4") (680-106200-49), CV0753A-CSD (0-4") (680-106200-50), CV0753B-CS (0-4") (680-106200-51), CV0965D-CS6 (680-106200-31), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0739A-CS6 (680-106200-36).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV0965D-CS12 (680-106200-33), CV0965D-CSD6 (680-106200-32), CV0971WW-CS6, CV0509T-CS18 (680-106200-42), CV0613B-CS12 (680-106200-46), CV0613B-CS6 (680-106200-43), CV0613B-CSD6 (680-106200-45), CV0753A-CS (0-4") (680-106200-49), CV0753A-CSD (0-4") (680-106200-50), CV0965D-CS6 (680-106200-31), CV0965D-CS6 (680-106200-31 MSD), CV0509T-CS12 (680-106200-41), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS6 (680-106200-36), CV0965D-CS6 (680-106200-31 MS). As such, surrogate and MS/MSD spike recoveries were diluted out and are not reported.

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.

Method(s) 8270D_LL_PAH: The continuing calibration verification (CCV) analyzed in batch 354071 was outside the method criteria for the following analyte(s): 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.

Acenaphthylene and Indeno[1,2,3-cd]pyrene recovery is outside criteria low for the MS of sample CV0965D-CS6 (680-106200-31) in batch

Job ID: 680-106200-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

680-354069. Refer to the QC report for details.

METALS (ICP)

Samples CV0965D-CS6 (680-106200-31), CV0965D-CSD6 (680-106200-32), CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0739A-CS6 (680-106200-36), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0509T-CS18 (680-106200-42), CV0613B-CS6 (680-106200-43), CV0509T-CS24 (680-106200-44), CV0613B-CSD6 (680-106200-45), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0753A-CS (0-4") (680-106200-49) and CV0753A-CSD (0-4") (680-106200-50) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Iron was detected in method blank MB 680-353436/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Method(s) 6010C: The method blank for batch 680-353436 contained iron above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Many of the metals have recovery outside criteria low for the MS and/or MSD of sample CV0965D-CS6 (680-106200-31) in batch 680-353949. Aluminum failed the recovery criteria high. Refer to the QC report for details.

PERCENT SOLIDS/MOISTURE

Samples CV0965D-CS6 (680-106200-31), CV0965D-CSD6 (680-106200-32), CV0965D-CS12 (680-106200-33), CV0965D-CS18 (680-106200-34), CV0965D-CS24 (680-106200-35), CV0739A-CS6 (680-106200-36), CV0739A-CS12 (680-106200-37), CV0739A-CS18 (680-106200-38), CV0739A-CS24 (680-106200-39), CV0509T-CS6 (680-106200-40), CV0509T-CS12 (680-106200-41), CV0509T-CS18 (680-106200-42), CV0613B-CS6 (680-106200-43), CV0509T-CS24 (680-106200-44), CV0613B-CSD6 (680-106200-45), CV0613B-CS12 (680-106200-46), CV0613B-CS18 (680-106200-47), CV0613B-CS24 (680-106200-48), CV0753A-CS (0-4") (680-106200-49) and CV0753A-CSD (0-4") (680-106200-50) 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: 680-106200-3
SDG: 680-106200-03

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-106200-31	CV0965D-CS6	Solid	10/06/14 15:30	10/11/14 09:33
680-106200-32	CV0965D-CSD6	Solid	10/06/14 15:30	10/11/14 09:33
680-106200-33	CV0965D-CS12	Solid	10/06/14 15:40	10/11/14 09:33
680-106200-34	CV0965D-CS18	Solid	10/06/14 15:55	10/11/14 09:33
680-106200-35	CV0965D-CS24	Solid	10/06/14 16:00	10/11/14 09:33
680-106200-36	CV0739A-CS6	Solid	10/06/14 13:50	10/11/14 09:33
680-106200-37	CV0739A-CS12	Solid	10/06/14 14:00	10/11/14 09:33
680-106200-38	CV0739A-CS18	Solid	10/06/14 14:10	10/11/14 09:33
680-106200-39	CV0739A-CS24	Solid	10/06/14 14:20	10/11/14 09:33
680-106200-40	CV0509T-CS6	Solid	10/07/14 09:20	10/11/14 09:33
680-106200-41	CV0509T-CS12	Solid	10/07/14 09:30	10/11/14 09:33
680-106200-42	CV0509T-CS18	Solid	10/07/14 09:40	10/11/14 09:33
680-106200-43	CV0613B-CS6	Solid	10/07/14 14:50	10/11/14 09:33
680-106200-44	CV0509T-CS24	Solid	10/07/14 09:50	10/11/14 09:33
680-106200-45	CV0613B-CSD6	Solid	10/07/14 14:50	10/11/14 09:33
680-106200-46	CV0613B-CS12	Solid	10/07/14 15:00	10/11/14 09:33
680-106200-47	CV0613B-CS18	Solid	10/07/14 15:10	10/11/14 09:33
680-106200-48	CV0613B-CS24	Solid	10/07/14 15:20	10/11/14 09:33
680-106200-49	CV0753A-CS (0-4")	Solid	10/07/14 16:10	10/11/14 09:33
680-106200-50	CV0753A-CSD (0-4")	Solid	10/07/14 16:10	10/11/14 09:33

Method Summary

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

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
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
B	Compound was found in the blank and sample.
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.

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: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0965D-CS6

Lab Sample ID: 680-106200-31

Date Collected: 10/06/14 15:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 79.3

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	84	U	84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Acenaphthylene	**59**	**J**	84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Anthracene	**53**	**J**	84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Benzo[a]anthracene	**250**		84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Benzo[a]pyrene	**180**		84	15	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Benzo[b]fluoranthene	**320**		84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Benzo[g,h,i]perylene	**140**		84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Benzo[k]fluoranthene	**110**		84	25	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Chrysene	**330**		84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Dibenz(a,h)anthracene	**64**	**J**	84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Fluoranthene	**360**		84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Fluorene	84	U	84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Indeno[1,2,3-cd]pyrene	**87**		84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
1-Methylnaphthalene	**210**		84	39	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
2-Methylnaphthalene	**170**		84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Naphthalene	**150**		84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Phenanthrene	**360**		84	30	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10
Pyrene	**370**		84	42	ug/Kg	☼	10/15/14 14:21	10/17/14 13:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 14:21*	*10/17/14 13:41*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		24	12	mg/Kg	☼	10/13/14 14:24	10/15/14 17:42	1
Arsenic	**34**		2.4	0.71	mg/Kg	☼	10/13/14 14:24	10/15/14 17:42	1
Iron	**30000**		24	8.4	mg/Kg	☼	10/13/14 14:24	10/15/14 17:42	1
Lead	**290**		12	6.4	mg/Kg	☼	10/13/14 14:24	10/16/14 10:30	10

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0965D-CSD6

Lab Sample ID: 680-106200-32

Date Collected: 10/06/14 15:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 90.7

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	74	U	74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Acenaphthylene	**56**	**J**	74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Anthracene	**60**	**J**	74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Benzo[a]anthracene	**250**		74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Benzo[a]pyrene	**200**		74	13	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Benzo[b]fluoranthene	**370**		74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Benzo[g,h,i]perylene	**160**		74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Benzo[k]fluoranthene	**100**		74	22	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Chrysene	**400**		74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Dibenz(a,h)anthracene	**83**		74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Fluoranthene	**350**		74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Fluorene	74	U	74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Indeno[1,2,3-cd]pyrene	**100**		74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
1-Methylnaphthalene	**240**		74	34	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
2-Methylnaphthalene	**210**		74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Naphthalene	**180**		74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Phenanthrene	**420**		74	26	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10
Pyrene	**400**		74	36	ug/Kg	☼	10/15/14 10:01	10/16/14 19:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 10:01*	*10/16/14 19:13*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		19	9.3	mg/Kg	☼	10/13/14 14:24	10/15/14 18:36	1
Arsenic	**28**		1.9	0.55	mg/Kg	☼	10/13/14 14:24	10/15/14 18:36	1
Iron	**25000**		19	6.5	mg/Kg	☼	10/13/14 14:24	10/15/14 18:36	1
Lead	**230**		0.93	0.49	mg/Kg	☼	10/13/14 14:24	10/15/14 18:36	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0965D-CS12

Lab Sample ID: 680-106200-33

Date Collected: 10/06/14 15:40
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 94.6

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	71	U	71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Acenaphthylene	71	U	71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Anthracene	**46**	**J**	71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Benzo[a]anthracene	**190**		71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Benzo[a]pyrene	**200**		71	13	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Benzo[b]fluoranthene	**300**		71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Benzo[g,h,i]perylene	**150**		71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Benzo[k]fluoranthene	**120**		71	21	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Chrysene	**220**		71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Dibenz(a,h)anthracene	**57**	**J**	71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Fluoranthene	**240**		71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Fluorene	71	U	71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Indeno[1,2,3-cd]pyrene	**120**		71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
1-Methylnaphthalene	**54**	**J**	71	33	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
2-Methylnaphthalene	**52**	**J**	71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Naphthalene	**60**	**J**	71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Phenanthrene	**210**		71	25	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10
Pyrene	**260**		71	35	ug/Kg	☼	10/15/14 10:01	10/16/14 19:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 10:01*	*10/16/14 19:35*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		18	9.2	mg/Kg	☼	10/13/14 12:36	10/18/14 01:37	1
Arsenic	**21**		1.8	0.54	mg/Kg	☼	10/13/14 12:36	10/18/14 01:37	1
Iron	**35000**		18	6.4	mg/Kg	☼	10/13/14 12:36	10/18/14 01:37	1
Lead	**120**		9.2	4.9	mg/Kg	☼	10/13/14 12:36	10/20/14 16:25	10

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0965D-CS18

Lab Sample ID: 680-106200-34

Date Collected: 10/06/14 15:55
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 91.3

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	7.3	U	7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Acenaphthylene	7.3	U	7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Anthracene	**5.2**	**J**	7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Benzo[a]anthracene	**18**		7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Benzo[a]pyrene	**19**		7.3	1.3	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Benzo[b]fluoranthene	**29**		7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Benzo[g,h,i]perylene	**17**		7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Benzo[k]fluoranthene	**12**		7.3	2.2	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Chrysene	**24**		7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Dibenz(a,h)anthracene	**5.1**	**J**	7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Fluoranthene	**30**		7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Fluorene	7.3	U	7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Indeno[1,2,3-cd]pyrene	**12**		7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
1-Methylnaphthalene	**5.9**	**J**	7.3	3.4	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
2-Methylnaphthalene	**5.9**	**J**	7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Naphthalene	**4.3**	**J**	7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Phenanthrene	**26**		7.3	2.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1
Pyrene	**31**		7.3	3.6	ug/Kg	☼	10/15/14 10:01	10/16/14 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*111*		*36 - 131*	*10/15/14 10:01*	*10/16/14 19:57*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		21	11	mg/Kg	☼	10/13/14 12:36	10/18/14 01:50	1
Arsenic	**14**		2.1	0.63	mg/Kg	☼	10/13/14 12:36	10/18/14 01:50	1
Iron	**39000**		21	7.5	mg/Kg	☼	10/13/14 12:36	10/18/14 01:50	1
Lead	**48**		11	5.7	mg/Kg	☼	10/13/14 12:36	10/20/14 16:30	10

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0965D-CS24

Lab Sample ID: 680-106200-35

Date Collected: 10/06/14 16:00
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 89.5

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 10:01	10/16/14 20:19	1
Acenaphthylene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Anthracene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Benzo[a]anthracene	**7.8**		7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Benzo[a]pyrene	**8.0**		7.5	1.3	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Benzo[b]fluoranthene	**12**		7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Benzo[g,h,i]perylene	**7.5**		7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Benzo[k]fluoranthene	**4.8**	**J**	7.5	2.2	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Chrysene	**11**		7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Dibenz(a,h)anthracene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Fluoranthene	**12**		7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Fluorene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Indeno[1,2,3-cd]pyrene	**4.8**	**J**	7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
1-Methylnaphthalene	**4.1**	**J**	7.5	3.5	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
2-Methylnaphthalene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Naphthalene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Phenanthrene	**9.8**		7.5	2.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1
Pyrene	**14**		7.5	3.7	ug/Kg	☼	10/15/14 10:01	10/16/14 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*106*		*36 - 131*	*10/15/14 10:01*	*10/16/14 20:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16000**		20	9.8	mg/Kg	☼	10/13/14 12:36	10/18/14 01:46	1
Arsenic	**12**		2.0	0.58	mg/Kg	☼	10/13/14 12:36	10/18/14 01:46	1
Iron	**34000**		20	6.9	mg/Kg	☼	10/13/14 12:36	10/18/14 01:46	1
Lead	**34**		0.98	0.52	mg/Kg	☼	10/13/14 12:36	10/18/14 01:46	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0739A-CS6

Lab Sample ID: 680-106200-36

Date Collected: 10/06/14 13:50
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 91.5

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	530		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Acenaphthylene	130	J	150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Anthracene	1200		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Benzo[a]anthracene	4700		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Benzo[a]pyrene	3900		150	26	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Benzo[b]fluoranthene	5700		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Benzo[g,h,i]perylene	1300		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Benzo[k]fluoranthene	2900		150	44	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Chrysene	5000		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Dibenz(a,h)anthracene	510		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Fluoranthene	9900		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Fluorene	460		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Indeno[1,2,3-cd]pyrene	1300		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
1-Methylnaphthalene	230		150	68	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
2-Methylnaphthalene	290		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Naphthalene	410		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Phenanthrene	5700		150	52	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20
Pyrene	8200		150	72	ug/Kg	☼	10/15/14 10:01	10/17/14 14:31	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 10:01*	*10/17/14 14:31*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6300		22	11	mg/Kg	☼	10/13/14 12:36	10/18/14 01:59	1
Arsenic	20		2.2	0.64	mg/Kg	☼	10/13/14 12:36	10/18/14 01:59	1
Iron	43000		22	7.6	mg/Kg	☼	10/13/14 12:36	10/18/14 01:59	1
Lead	410		1.1	0.57	mg/Kg	☼	10/13/14 12:36	10/18/14 01:59	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0739A-CS12

Lab Sample ID: 680-106200-37

Date Collected: 10/06/14 14:00
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 93.3

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	230	J	360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Acenaphthylene	2400		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Anthracene	3000		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Benzo[a]anthracene	6600		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Benzo[a]pyrene	3600		360	64	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Benzo[b]fluoranthene	6800		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Benzo[g,h,i]perylene	970		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Benzo[k]fluoranthene	2600		360	110	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Chrysene	6800		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Dibenz(a,h)anthracene	480		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Fluoranthene	16000		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Fluorene	1900		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Indeno[1,2,3-cd]pyrene	970		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
1-Methylnaphthalene	780		360	170	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
2-Methylnaphthalene	1200		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Naphthalene	3300		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Phenanthrene	12000		360	130	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50
Pyrene	10000		360	180	ug/Kg	☼	10/15/14 10:01	10/17/14 16:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 10:01*	*10/17/14 16:03*	*50*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5500		40	20	mg/Kg	☼	10/14/14 10:32	10/15/14 16:55	1
Arsenic	24		4.0	1.2	mg/Kg	☼	10/14/14 10:32	10/15/14 16:55	1
Iron	19000	B	40	14	mg/Kg	☼	10/14/14 10:32	10/15/14 16:55	1
Lead	110		2.0	1.1	mg/Kg	☼	10/14/14 10:32	10/15/14 16:55	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0739A-CS18

Lab Sample ID: 680-106200-38

Date Collected: 10/06/14 14:10
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 86.9

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	97		77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Acenaphthylene	500		77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Anthracene	980		77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Benzo[a]anthracene	920		77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Benzo[a]pyrene	320		77	14	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Benzo[b]fluoranthene	690		77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Benzo[g,h,i]perylene	71	J	77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Benzo[k]fluoranthene	250		77	23	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Chrysene	950		77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Dibenz(a,h)anthracene	53	J	77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Fluoranthene	2800		77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Fluorene	1400		77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Indeno[1,2,3-cd]pyrene	73	J	77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
1-Methylnaphthalene	450		77	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
2-Methylnaphthalene	890		77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Naphthalene	2000		77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Phenanthrene	4200		77	28	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10
Pyrene	1600		77	38	ug/Kg	☼	10/15/14 10:01	10/17/14 15:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 10:01*	*10/17/14 15:17*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7300		20	10	mg/Kg	☼	10/13/14 12:36	10/18/14 00:50	1
Arsenic	40		2.0	0.60	mg/Kg	☼	10/13/14 12:36	10/18/14 00:50	1
Iron	27000		20	7.1	mg/Kg	☼	10/13/14 12:36	10/18/14 00:50	1
Lead	23		1.0	0.54	mg/Kg	☼	10/13/14 12:36	10/18/14 00:50	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0739A-CS24

Lab Sample ID: 680-106200-39

Date Collected: 10/06/14 14:20
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 82.7

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	10		8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Acenaphthylene	37		8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Anthracene	16		8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Benzo[a]anthracene	71		8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Benzo[a]pyrene	38		8.1	1.5	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Benzo[b]fluoranthene	110		8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Benzo[g,h,i]perylene	12		8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Benzo[k]fluoranthene	32		8.1	2.4	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Chrysene	120		8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Dibenz(a,h)anthracene	6.8	J	8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Fluoranthene	140		8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Fluorene	15		8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Indeno[1,2,3-cd]pyrene	7.8	J	8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
1-Methylnaphthalene	69		8.1	3.7	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
2-Methylnaphthalene	88		8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Naphthalene	150		8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Phenanthrene	130		8.1	2.9	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1
Pyrene	110		8.1	4.0	ug/Kg	☼	10/15/14 10:01	10/17/14 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*36 - 131*	*10/15/14 10:01*	*10/17/14 12:13*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9100		23	11	mg/Kg	☼	10/13/14 12:36	10/18/14 00:29	1
Arsenic	130		2.3	0.67	mg/Kg	☼	10/13/14 12:36	10/18/14 00:29	1
Iron	44000		23	8.0	mg/Kg	☼	10/13/14 12:36	10/18/14 00:29	1
Lead	74		1.1	0.60	mg/Kg	☼	10/13/14 12:36	10/18/14 00:29	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0509T-CS6

Lab Sample ID: 680-106200-40

Date Collected: 10/07/14 09:20
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 90.0

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	62	J	74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Acenaphthylene	74	U	74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Anthracene	140		74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Benzo[a]anthracene	910		74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Benzo[a]pyrene	810		74	13	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Benzo[b]fluoranthene	1300		74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Benzo[g,h,i]perylene	330		74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Benzo[k]fluoranthene	430		74	22	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Chrysene	890		74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Dibenz(a,h)anthracene	100		74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Fluoranthene	1600		74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Fluorene	56	J	74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Indeno[1,2,3-cd]pyrene	300		74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
1-Methylnaphthalene	42	J	74	34	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
2-Methylnaphthalene	58	J	74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Naphthalene	45	J	74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Phenanthrene	590		74	27	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10
Pyrene	1200		74	37	ug/Kg	☼	10/15/14 10:01	10/17/14 12:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 10:01*	*10/17/14 12:36*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		21	10	mg/Kg	☼	10/13/14 14:24	10/15/14 18:10	1
Arsenic	19		2.1	0.61	mg/Kg	☼	10/13/14 14:24	10/15/14 18:10	1
Iron	45000		21	7.3	mg/Kg	☼	10/13/14 14:24	10/15/14 18:10	1
Lead	69		1.0	0.55	mg/Kg	☼	10/13/14 14:24	10/15/14 18:10	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0509T-CS12

Lab Sample ID: 680-106200-41

Date Collected: 10/07/14 09:30
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 90.5

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	74	U	74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Acenaphthylene	74	U	74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Anthracene	74	U	74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Benzo[a]anthracene	**110**		74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Benzo[a]pyrene	**110**		74	13	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Benzo[b]fluoranthene	**170**		74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Benzo[g,h,i]perylene	**59**	**J**	74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Benzo[k]fluoranthene	**76**		74	22	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Chrysene	**130**		74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Dibenz(a,h)anthracene	74	U	74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Fluoranthene	**210**		74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Fluorene	74	U	74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Indeno[1,2,3-cd]pyrene	**42**	**J**	74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
1-Methylnaphthalene	74	U	74	34	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
2-Methylnaphthalene	74	U	74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Naphthalene	74	U	74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Phenanthrene	**91**		74	27	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10
Pyrene	**170**		74	36	ug/Kg	☼	10/15/14 10:01	10/17/14 15:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 10:01*	*10/17/14 15:40*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		20	9.8	mg/Kg	☼	10/13/14 09:39	10/15/14 20:44	1
Arsenic	**20**		2.0	0.58	mg/Kg	☼	10/13/14 09:39	10/15/14 20:44	1
Iron	**50000**		20	6.8	mg/Kg	☼	10/13/14 09:39	10/15/14 20:44	1
Lead	**54**		0.98	0.52	mg/Kg	☼	10/13/14 09:39	10/15/14 20:44	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0509T-CS18

Lab Sample ID: 680-106200-42

Date Collected: 10/07/14 09:40
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 89.8

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	75	U	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Acenaphthylene	75	U	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Anthracene	75	U	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Benzo[a]anthracene	**79**		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Benzo[a]pyrene	**78**		75	13	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Benzo[b]fluoranthene	**140**		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Benzo[g,h,i]perylene	**63**	**J**	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Benzo[k]fluoranthene	**49**	**J**	75	22	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Chrysene	**100**		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Dibenz(a,h)anthracene	75	U	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Fluoranthene	**120**		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Fluorene	75	U	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Indeno[1,2,3-cd]pyrene	**52**	**J**	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
1-Methylnaphthalene	75	U	75	35	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
2-Methylnaphthalene	75	U	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Naphthalene	75	U	75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Phenanthrene	**62**	**J**	75	27	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10
Pyrene	**110**		75	37	ug/Kg	☼	10/15/14 14:21	10/17/14 14:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 14:21*	*10/17/14 14:25*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		19	9.7	mg/Kg	☼	10/13/14 09:39	10/15/14 20:27	1
Arsenic	**19**		1.9	0.57	mg/Kg	☼	10/13/14 09:39	10/15/14 20:27	1
Iron	**49000**		19	6.8	mg/Kg	☼	10/13/14 09:39	10/15/14 20:27	1
Lead	**46**		0.97	0.51	mg/Kg	☼	10/13/14 09:39	10/15/14 20:27	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0613B-CS6

Lab Sample ID: 680-106200-43

Date Collected: 10/07/14 14:50
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 91.7

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	72	J	73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Acenaphthylene	73	U	73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Anthracene	210		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Benzo[a]anthracene	900		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Benzo[a]pyrene	920		73	13	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Benzo[b]fluoranthene	1500		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Benzo[g,h,i]perylene	600		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Benzo[k]fluoranthene	530		73	22	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Chrysene	1100		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Dibenz(a,h)anthracene	270		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Fluoranthene	1700		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Fluorene	64	J	73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Indeno[1,2,3-cd]pyrene	470		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
1-Methylnaphthalene	76		73	34	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
2-Methylnaphthalene	91		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Naphthalene	81		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Phenanthrene	850		73	26	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10
Pyrene	1600		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 14:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 14:21*	*10/17/14 14:48*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		20	9.8	mg/Kg	☼	10/13/14 09:39	10/15/14 20:40	1
Arsenic	31		2.0	0.58	mg/Kg	☼	10/13/14 09:39	10/15/14 20:40	1
Iron	38000		20	6.9	mg/Kg	☼	10/13/14 09:39	10/15/14 20:40	1
Lead	100		0.98	0.52	mg/Kg	☼	10/13/14 09:39	10/15/14 20:40	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0509T-CS24

Lab Sample ID: 680-106200-44

Date Collected: 10/07/14 09:50
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 85.3

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Acenaphthylene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Anthracene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Benzo[a]anthracene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Benzo[a]pyrene	7.8	U	7.8	1.4	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Benzo[b]fluoranthene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Benzo[g,h,i]perylene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Benzo[k]fluoranthene	7.8	U	7.8	2.3	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Chrysene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Dibenz(a,h)anthracene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Fluoranthene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Fluorene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Indeno[1,2,3-cd]pyrene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
1-Methylnaphthalene	7.8	U	7.8	3.6	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
2-Methylnaphthalene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Naphthalene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Phenanthrene	7.8	U	7.8	2.8	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1
Pyrene	7.8	U	7.8	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*36 - 131*	*10/15/14 14:21*	*10/17/14 15:10*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		22	11	mg/Kg	☼	10/13/14 09:39	10/15/14 19:53	1
Arsenic	**10**		2.2	0.66	mg/Kg	☼	10/13/14 09:39	10/15/14 19:53	1
Iron	**31000**		22	7.8	mg/Kg	☼	10/13/14 09:39	10/15/14 19:53	1
Lead	**14**		1.1	0.59	mg/Kg	☼	10/13/14 09:39	10/15/14 19:53	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0613B-CSD6

Lab Sample ID: 680-106200-45

Date Collected: 10/07/14 14:50
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 91.2

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	65	J	73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Acenaphthylene	73	U	73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Anthracene	180		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Benzo[a]anthracene	740		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Benzo[a]pyrene	780		73	13	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Benzo[b]fluoranthene	1300		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Benzo[g,h,i]perylene	560		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Benzo[k]fluoranthene	450		73	22	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Chrysene	870		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Dibenz(a,h)anthracene	240		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Fluoranthene	1400		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Fluorene	53	J	73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Indeno[1,2,3-cd]pyrene	400		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
1-Methylnaphthalene	53	J	73	34	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
2-Methylnaphthalene	66	J	73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Naphthalene	59	J	73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Phenanthrene	720		73	26	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10
Pyrene	1200		73	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 14:21*	*10/17/14 15:32*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		22	11	mg/Kg	☼	10/13/14 09:39	10/15/14 19:48	1
Arsenic	38		2.2	0.63	mg/Kg	☼	10/13/14 09:39	10/15/14 19:48	1
Iron	56000		22	7.5	mg/Kg	☼	10/13/14 09:39	10/15/14 19:48	1
Lead	120		11	5.7	mg/Kg	☼	10/13/14 09:39	10/16/14 10:56	10

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0613B-CS12

Lab Sample ID: 680-106200-46

Date Collected: 10/07/14 15:00
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 92.7

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	72	U	72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Acenaphthylene	72	U	72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Anthracene	72	U	72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Benzo[a]anthracene	**250**		72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Benzo[a]pyrene	**200**		72	13	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Benzo[b]fluoranthene	**290**		72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Benzo[g,h,i]perylene	**130**		72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Benzo[k]fluoranthene	**130**		72	22	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Chrysene	**290**		72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Dibenz(a,h)anthracene	**53**	**J**	72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Fluoranthene	**400**		72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Fluorene	72	U	72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Indeno[1,2,3-cd]pyrene	**90**		72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
1-Methylnaphthalene	**120**		72	33	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
2-Methylnaphthalene	**110**		72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Naphthalene	**65**	**J**	72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Phenanthrene	**230**		72	26	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10
Pyrene	**430**		72	36	ug/Kg	☼	10/15/14 14:21	10/17/14 15:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 14:21*	*10/17/14 15:54*	*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 09:05	10/14/14 06:05	1
Arsenic	**33**		2.1	0.63	mg/Kg	☼	10/13/14 09:05	10/14/14 06:05	1
Iron	**39000**		21	7.5	mg/Kg	☼	10/13/14 09:05	10/14/14 06:05	1
Lead	**67**		1.1	0.57	mg/Kg	☼	10/13/14 09:05	10/14/14 06:05	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0613B-CS18

Lab Sample ID: 680-106200-47

Date Collected: 10/07/14 15:10
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 78.7

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	8.5	U	8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Acenaphthylene	**7.2**	**J**	8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Anthracene	**11**		8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Benzo[a]anthracene	**73**		8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Benzo[a]pyrene	**63**		8.5	1.5	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Benzo[b]fluoranthene	**95**		8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Benzo[g,h,i]perylene	**50**		8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Benzo[k]fluoranthene	**42**		8.5	2.5	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Chrysene	**85**		8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Dibenz(a,h)anthracene	**19**		8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Fluoranthene	**110**		8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Fluorene	8.5	U	8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Indeno[1,2,3-cd]pyrene	**32**		8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
1-Methylnaphthalene	**46**		8.5	3.9	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
2-Methylnaphthalene	**45**		8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Naphthalene	**24**		8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Phenanthrene	**74**		8.5	3.0	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1
Pyrene	**120**		8.5	4.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*36 - 131*	*10/15/14 14:21*	*10/17/14 16:16*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		22	11	mg/Kg	☼	10/13/14 09:39	10/15/14 20:01	1
Arsenic	**120**		2.2	0.64	mg/Kg	☼	10/13/14 09:39	10/15/14 20:01	1
Iron	**84000**		22	7.5	mg/Kg	☼	10/13/14 09:39	10/15/14 20:01	1
Lead	**44**		1.1	0.57	mg/Kg	☼	10/13/14 09:39	10/15/14 20:01	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0613B-CS24

Lab Sample ID: 680-106200-48

Date Collected: 10/07/14 15:20
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 89.6

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Acenaphthylene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Anthracene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Benzo[a]anthracene	**8.5**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Benzo[a]pyrene	**8.0**		7.5	1.3	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Benzo[b]fluoranthene	**12**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Benzo[g,h,i]perylene	**7.4**	**J**	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Benzo[k]fluoranthene	**4.9**	**J**	7.5	2.2	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Chrysene	**9.8**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Dibenz(a,h)anthracene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Fluoranthene	**9.8**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Fluorene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Indeno[1,2,3-cd]pyrene	**5.2**	**J**	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
1-Methylnaphthalene	**4.1**	**J**	7.5	3.5	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
2-Methylnaphthalene	**3.9**	**J**	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Naphthalene	7.5	U	7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Phenanthrene	**6.7**	**J**	7.5	2.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1
Pyrene	**11**		7.5	3.7	ug/Kg	☼	10/15/14 14:21	10/17/14 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*104*		*36 - 131*	*10/15/14 14:21*	*10/17/14 16:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16000**		19	9.5	mg/Kg	☼	10/13/14 09:05	10/14/14 05:31	1
Arsenic	**74**		1.9	0.56	mg/Kg	☼	10/13/14 09:05	10/14/14 05:31	1
Iron	**65000**		19	6.7	mg/Kg	☼	10/13/14 09:05	10/14/14 05:31	1
Lead	**41**		9.5	5.1	mg/Kg	☼	10/13/14 09:05	10/15/14 12:34	10

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0753A-CS (0-4")

Lab Sample ID: 680-106200-49

Date Collected: 10/07/14 16:10
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 17:01	10
Acenaphthylene	77	U	77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Anthracene	**45**	**J**	77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Benzo[a]anthracene	**250**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Benzo[a]pyrene	**210**		77	14	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Benzo[b]fluoranthene	**390**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Benzo[g,h,i]perylene	**180**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Benzo[k]fluoranthene	**120**		77	23	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Chrysene	**340**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Dibenz(a,h)anthracene	**60**	**J**	77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Fluoranthene	**320**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Fluorene	77	U	77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Indeno[1,2,3-cd]pyrene	**100**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
1-Methylnaphthalene	**210**		77	36	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
2-Methylnaphthalene	**240**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Naphthalene	**170**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Phenanthrene	**330**		77	27	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10
Pyrene	**350**		77	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 14:21*	*10/17/14 17:01*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		19	9.6	mg/Kg	☼	10/13/14 09:05	10/14/14 05:35	1
Arsenic	**25**		1.9	0.57	mg/Kg	☼	10/13/14 09:05	10/14/14 05:35	1
Iron	**38000**		19	6.7	mg/Kg	☼	10/13/14 09:05	10/14/14 05:35	1
Lead	**370**		0.96	0.51	mg/Kg	☼	10/13/14 09:05	10/14/14 05:35	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0753A-CSD (0-4")

Lab Sample ID: 680-106200-50

Date Collected: 10/07/14 16:10
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 87.6

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	76	U	76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Acenaphthylene	76	U	76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Anthracene	**43**	**J**	76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Benzo[a]anthracene	**280**		76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Benzo[a]pyrene	**260**		76	14	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Benzo[b]fluoranthene	**440**		76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Benzo[g,h,i]perylene	**180**		76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Benzo[k]fluoranthene	**140**		76	23	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Chrysene	**390**		76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Dibenz(a,h)anthracene	**110**		76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Fluoranthene	**400**		76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Fluorene	76	U	76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Indeno[1,2,3-cd]pyrene	**130**		76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
1-Methylnaphthalene	**140**		76	35	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
2-Methylnaphthalene	**160**		76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Naphthalene	**130**		76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Phenanthrene	**290**		76	27	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10
Pyrene	**440**		76	38	ug/Kg	☼	10/15/14 14:21	10/17/14 17:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/15/14 14:21*	*10/17/14 17:23*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		21	10	mg/Kg	☼	10/13/14 09:05	10/14/14 06:09	1
Arsenic	**32**		2.1	0.61	mg/Kg	☼	10/13/14 09:05	10/14/14 06:09	1
Iron	**79000**		21	7.2	mg/Kg	☼	10/13/14 09:05	10/14/14 06:09	1
Lead	**360**		1.0	0.54	mg/Kg	☼	10/13/14 09:05	10/14/14 06:09	1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 680-353477/21-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353862 — **Prep Batch: 353477**

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 10:01	10/16/14 11:43	1
Acenaphthylene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Anthracene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Benzo[a]anthracene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Benzo[a]pyrene	6.7	U	6.7	1.2	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Benzo[b]fluoranthene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Benzo[g,h,i]perylene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Benzo[k]fluoranthene	6.7	U	6.7	2.0	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Chrysene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Dibenz(a,h)anthracene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Fluoranthene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Fluorene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Indeno[1,2,3-cd]pyrene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
1-Methylnaphthalene	6.7	U	6.7	3.1	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
2-Methylnaphthalene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Naphthalene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Phenanthrene	6.7	U	6.7	2.4	ug/Kg		10/15/14 10:01	10/16/14 11:43	1
Pyrene	6.7	U	6.7	3.3	ug/Kg		10/15/14 10:01	10/16/14 11:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*117*		*36 - 131*	*10/15/14 10:01*	*10/16/14 11:43*	*1*

Lab Sample ID: LCS 680-353477/22-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353862 — **Prep Batch: 353477**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	333	202		ug/Kg		61	33 - 130
Acenaphthylene	333	198		ug/Kg		60	37 - 131
Anthracene	333	213		ug/Kg		64	42 - 146
Benzo[a]anthracene	333	228		ug/Kg		68	39 - 157
Benzo[a]pyrene	333	228		ug/Kg		68	41 - 158
Benzo[b]fluoranthene	333	235		ug/Kg		71	35 - 152
Benzo[g,h,i]perylene	333	228		ug/Kg		68	32 - 150
Benzo[k]fluoranthene	333	222		ug/Kg		67	38 - 148
Chrysene	333	233		ug/Kg		70	38 - 147
Dibenz(a,h)anthracene	333	243		ug/Kg		73	32 - 155
Fluoranthene	333	209		ug/Kg		63	36 - 147
Fluorene	333	199		ug/Kg		60	36 - 138
Indeno[1,2,3-cd]pyrene	333	208		ug/Kg		63	35 - 148
1-Methylnaphthalene	333	197		ug/Kg		59	36 - 130
2-Methylnaphthalene	333	196		ug/Kg		59	42 - 130
Naphthalene	333	191		ug/Kg		57	33 - 130
Phenanthrene	333	209		ug/Kg		63	40 - 135
Pyrene	333	238		ug/Kg		71	38 - 145

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: LCS 680-353477/22-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353862 — **Prep Batch: 353477**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*84*		*36 - 131*

Lab Sample ID: MB 680-353671/19-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354069 — **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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354069 — **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

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**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
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

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: 680-106200-31 MS — **Client Sample ID: CV0965D-CS6**
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	84	U	371	195		ug/Kg	☼	53	33 - 130
Acenaphthylene	59	J	371	179	F1	ug/Kg	☼	32	37 - 131
Anthracene	53	J	371	228		ug/Kg	☼	47	42 - 146
Benzo[a]anthracene	250		371	470		ug/Kg	☼	59	39 - 157
Benzo[a]pyrene	180		371	349		ug/Kg	☼	46	41 - 158
Benzo[b]fluoranthene	320		371	563		ug/Kg	☼	66	35 - 152
Benzo[g,h,i]perylene	140		371	262		ug/Kg	☼	33	32 - 150
Benzo[k]fluoranthene	110		371	303		ug/Kg	☼	52	38 - 148

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 680-106200-31 MS — **Client Sample ID: CV0965D-CS6**
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
Chrysene	330		371	594		ug/Kg	☼	71	38 - 147
Dibenz(a,h)anthracene	64	J	371	190		ug/Kg	☼	34	32 - 155
Fluoranthene	360		371	761		ug/Kg	☼	109	36 - 147
Fluorene	84	U	371	194		ug/Kg	☼	52	36 - 138
Indeno[1,2,3-cd]pyrene	87		371	191	F1	ug/Kg	☼	28	35 - 148
1-Methylnaphthalene	210		371	400		ug/Kg	☼	52	36 - 130
2-Methylnaphthalene	170		371	358		ug/Kg	☼	50	42 - 130
Naphthalene	150		371	313		ug/Kg	☼	44	33 - 130
Phenanthrene	360		371	705		ug/Kg	☼	94	40 - 135
Pyrene	370		371	721		ug/Kg	☼	94	38 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*0*	*D*	*36 - 131*

Lab Sample ID: 680-106200-31 MSD — **Client Sample ID: CV0965D-CS6**
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	84	U	370	212		ug/Kg	☼	57	33 - 130	9	50
Acenaphthylene	59	J	370	208		ug/Kg	☼	40	37 - 131	15	50
Anthracene	53	J	370	228		ug/Kg	☼	47	42 - 146	0	50
Benzo[a]anthracene	250		370	426		ug/Kg	☼	47	39 - 157	10	50
Benzo[a]pyrene	180		370	348		ug/Kg	☼	46	41 - 158	0	50
Benzo[b]fluoranthene	320		370	518		ug/Kg	☼	54	35 - 152	8	50
Benzo[g,h,i]perylene	140		370	272		ug/Kg	☼	36	32 - 150	4	50
Benzo[k]fluoranthene	110		370	319		ug/Kg	☼	56	38 - 148	5	50
Chrysene	330		370	576		ug/Kg	☼	67	38 - 147	3	50
Dibenz(a,h)anthracene	64	J	370	207		ug/Kg	☼	39	32 - 155	9	50
Fluoranthene	360		370	554		ug/Kg	☼	53	36 - 147	31	50
Fluorene	84	U	370	203		ug/Kg	☼	55	36 - 138	4	50
Indeno[1,2,3-cd]pyrene	87		370	216		ug/Kg	☼	35	35 - 148	12	50
1-Methylnaphthalene	210		370	440		ug/Kg	☼	63	36 - 130	9	50
2-Methylnaphthalene	170		370	394		ug/Kg	☼	60	42 - 130	10	50
Naphthalene	150		370	301		ug/Kg	☼	40	33 - 130	4	50
Phenanthrene	360		370	552		ug/Kg	☼	53	40 - 135	24	50
Pyrene	370		370	579		ug/Kg	☼	56	38 - 145	22	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

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: MB 680-353312/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354233 — **Prep Batch: 353312**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19	U	19	9.3	mg/Kg		10/13/14 12:36	10/17/14 23:59	1
Arsenic	1.9	U	1.9	0.55	mg/Kg		10/13/14 12:36	10/17/14 23:59	1
Iron	19	U	19	6.5	mg/Kg		10/13/14 12:36	10/17/14 23:59	1
Lead	0.93	U	0.93	0.49	mg/Kg		10/13/14 12:36	10/17/14 23:59	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-353312/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354233 — **Prep Batch: 353312**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	495	481		mg/Kg		97	80 - 120
Arsenic	9.90	9.59		mg/Kg		97	80 - 120
Iron	495	490		mg/Kg		99	80 - 120
Lead	49.5	49.8		mg/Kg		101	80 - 120

Lab Sample ID: MB 680-353346/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353949 — **Prep Batch: 353346**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19	U	19	9.6	mg/Kg		10/13/14 14:24	10/15/14 17:04	1
Arsenic	1.9	U	1.9	0.57	mg/Kg		10/13/14 14:24	10/15/14 17:04	1
Iron	19	U	19	6.7	mg/Kg		10/13/14 14:24	10/15/14 17:04	1
Lead	0.96	U	0.96	0.51	mg/Kg		10/13/14 14:24	10/15/14 17:04	1

Lab Sample ID: LCS 680-353346/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353949 — **Prep Batch: 353346**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	463	441		mg/Kg		95	80 - 120
Arsenic	9.26	10.0		mg/Kg		108	80 - 120
Iron	463	453		mg/Kg		98	80 - 120
Lead	46.3	45.5		mg/Kg		98	80 - 120

Lab Sample ID: 680-106200-31 MS — **Client Sample ID: CV0965D-CS6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353949 — **Prep Batch: 353346**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	12000		525	11600	4	mg/Kg	☼	-144	75 - 125
Arsenic	34		10.5	39.9	F1	mg/Kg	☼	55	75 - 125
Iron	30000		525	30000	4	mg/Kg	☼	-70	75 - 125

Lab Sample ID: 680-106200-31 MS — **Client Sample ID: CV0965D-CS6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353949 — **Prep Batch: 353346**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	290		52.5	341	4	mg/Kg	☼	103	75 - 125

Lab Sample ID: 680-106200-31 MSD — **Client Sample ID: CV0965D-CS6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353949 — **Prep Batch: 353346**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	12000		529	13300	4	mg/Kg	☼	191	75 - 125	14	20
Arsenic	34		10.6	33.2	F1	mg/Kg	☼	-9	75 - 125	18	20
Iron	30000		529	25300	4	mg/Kg	☼	-967	75 - 125	17	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-106200-31 MSD — **Client Sample ID: CV0965D-CS6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353949 — **Prep Batch: 353346**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	290		52.9	279	4	mg/Kg	☼	-14	75 - 125	20	20

Lab Sample ID: MB 680-353436/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353949 — **Prep Batch: 353436**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20	U	20	9.8	mg/Kg		10/14/14 10:32	10/15/14 14:52	1
Arsenic	2.0	U	2.0	0.58	mg/Kg		10/14/14 10:32	10/15/14 14:52	1
Iron	15.0	J	20	6.9	mg/Kg		10/14/14 10:32	10/15/14 14:52	1
Lead	0.98	U	0.98	0.52	mg/Kg		10/14/14 10:32	10/15/14 14:52	1

Lab Sample ID: LCS 680-353436/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353949 — **Prep Batch: 353436**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	500	481		mg/Kg		96	80 - 120
Arsenic	10.0	10.8		mg/Kg		108	80 - 120
Iron	500	500		mg/Kg		100	80 - 120
Lead	50.0	50.4		mg/Kg		101	80 - 120

QC Association Summary

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

GC/MS Semi VOA

Prep Batch: 353477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-32	CV0965D-CSD6	Total/NA	Solid	3546	
680-106200-33	CV0965D-CS12	Total/NA	Solid	3546	
680-106200-34	CV0965D-CS18	Total/NA	Solid	3546	
680-106200-35	CV0965D-CS24	Total/NA	Solid	3546	
680-106200-36	CV0739A-CS6	Total/NA	Solid	3546	
680-106200-37	CV0739A-CS12	Total/NA	Solid	3546	
680-106200-38	CV0739A-CS18	Total/NA	Solid	3546	
680-106200-39	CV0739A-CS24	Total/NA	Solid	3546	
680-106200-40	CV0509T-CS6	Total/NA	Solid	3546	
680-106200-41	CV0509T-CS12	Total/NA	Solid	3546	
LCS 680-353477/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-353477/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 353671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-31	CV0965D-CS6	Total/NA	Solid	3546	
680-106200-31 MS	CV0965D-CS6	Total/NA	Solid	3546	
680-106200-31 MSD	CV0965D-CS6	Total/NA	Solid	3546	
680-106200-42	CV0509T-CS18	Total/NA	Solid	3546	
680-106200-43	CV0613B-CS6	Total/NA	Solid	3546	
680-106200-44	CV0509T-CS24	Total/NA	Solid	3546	
680-106200-45	CV0613B-CSD6	Total/NA	Solid	3546	
680-106200-46	CV0613B-CS12	Total/NA	Solid	3546	
680-106200-47	CV0613B-CS18	Total/NA	Solid	3546	
680-106200-48	CV0613B-CS24	Total/NA	Solid	3546	
680-106200-49	CV0753A-CS (0-4")	Total/NA	Solid	3546	
680-106200-50	CV0753A-CSD (0-4")	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: 353862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-32	CV0965D-CSD6	Total/NA	Solid	8270D_LL_PAH	353477
680-106200-33	CV0965D-CS12	Total/NA	Solid	8270D_LL_PAH	353477
680-106200-34	CV0965D-CS18	Total/NA	Solid	8270D_LL_PAH	353477
680-106200-35	CV0965D-CS24	Total/NA	Solid	8270D_LL_PAH	353477
LCS 680-353477/22-A	Lab Control Sample	Total/NA	Solid	8270D_LL_PAH	353477
MB 680-353477/21-A	Method Blank	Total/NA	Solid	8270D_LL_PAH	353477

Analysis Batch: 354069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-31	CV0965D-CS6	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-31 MS	CV0965D-CS6	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-31 MSD	CV0965D-CS6	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-42	CV0509T-CS18	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-43	CV0613B-CS6	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-44	CV0509T-CS24	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-45	CV0613B-CSD6	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-46	CV0613B-CS12	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-47	CV0613B-CS18	Total/NA	Solid	8270D_LL_PAH	353671

GC/MS Semi VOA (Continued)

Analysis Batch: 354069 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-48	CV0613B-CS24	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-49	CV0753A-CS (0-4")	Total/NA	Solid	8270D_LL_PAH	353671
680-106200-50	CV0753A-CSD (0-4")	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

Analysis Batch: 354071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-36	CV0739A-CS6	Total/NA	Solid	8270D_LL_PAH	353477
680-106200-37	CV0739A-CS12	Total/NA	Solid	8270D_LL_PAH	353477
680-106200-38	CV0739A-CS18	Total/NA	Solid	8270D_LL_PAH	353477
680-106200-39	CV0739A-CS24	Total/NA	Solid	8270D_LL_PAH	353477
680-106200-40	CV0509T-CS6	Total/NA	Solid	8270D_LL_PAH	353477
680-106200-41	CV0509T-CS12	Total/NA	Solid	8270D_LL_PAH	353477

Metals

Prep Batch: 353249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-46	CV0613B-CS12	Total/NA	Solid	3050B	
680-106200-48	CV0613B-CS24	Total/NA	Solid	3050B	
680-106200-49	CV0753A-CS (0-4")	Total/NA	Solid	3050B	
680-106200-50	CV0753A-CSD (0-4")	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
680-106200-41	CV0509T-CS12	Total/NA	Solid	3050B	
680-106200-42	CV0509T-CS18	Total/NA	Solid	3050B	
680-106200-43	CV0613B-CS6	Total/NA	Solid	3050B	
680-106200-44	CV0509T-CS24	Total/NA	Solid	3050B	
680-106200-45	CV0613B-CSD6	Total/NA	Solid	3050B	
680-106200-47	CV0613B-CS18	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	

Prep Batch: 353312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-33	CV0965D-CS12	Total/NA	Solid	3050B	
680-106200-34	CV0965D-CS18	Total/NA	Solid	3050B	
680-106200-35	CV0965D-CS24	Total/NA	Solid	3050B	
680-106200-36	CV0739A-CS6	Total/NA	Solid	3050B	
680-106200-38	CV0739A-CS18	Total/NA	Solid	3050B	
680-106200-39	CV0739A-CS24	Total/NA	Solid	3050B	
LCS 680-353312/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-353312/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 353346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-31	CV0965D-CS6	Total/NA	Solid	3050B	
680-106200-31 MS	CV0965D-CS6	Total/NA	Solid	3050B	
680-106200-31 MSD	CV0965D-CS6	Total/NA	Solid	3050B	
680-106200-32	CV0965D-CSD6	Total/NA	Solid	3050B	
680-106200-40	CV0509T-CS6	Total/NA	Solid	3050B	
LCS 680-353346/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-353346/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 353429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-46	CV0613B-CS12	Total/NA	Solid	6010C	353249
680-106200-48	CV0613B-CS24	Total/NA	Solid	6010C	353249
680-106200-49	CV0753A-CS (0-4")	Total/NA	Solid	6010C	353249
680-106200-50	CV0753A-CSD (0-4")	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

Prep Batch: 353436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-37	CV0739A-CS12	Total/NA	Solid	3050B	
LCS 680-353436/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-353436/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 353783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-48	CV0613B-CS24	Total/NA	Solid	6010C	353249

Analysis Batch: 353949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-31	CV0965D-CS6	Total/NA	Solid	6010C	353346
680-106200-31	CV0965D-CS6	Total/NA	Solid	6010C	353346
680-106200-31 MS	CV0965D-CS6	Total/NA	Solid	6010C	353346
680-106200-31 MS	CV0965D-CS6	Total/NA	Solid	6010C	353346
680-106200-31 MSD	CV0965D-CS6	Total/NA	Solid	6010C	353346
680-106200-31 MSD	CV0965D-CS6	Total/NA	Solid	6010C	353346
680-106200-32	CV0965D-CSD6	Total/NA	Solid	6010C	353346
680-106200-37	CV0739A-CS12	Total/NA	Solid	6010C	353436
680-106200-40	CV0509T-CS6	Total/NA	Solid	6010C	353346
680-106200-41	CV0509T-CS12	Total/NA	Solid	6010C	353262
680-106200-42	CV0509T-CS18	Total/NA	Solid	6010C	353262
680-106200-43	CV0613B-CS6	Total/NA	Solid	6010C	353262
680-106200-44	CV0509T-CS24	Total/NA	Solid	6010C	353262
680-106200-45	CV0613B-CSD6	Total/NA	Solid	6010C	353262
680-106200-45	CV0613B-CSD6	Total/NA	Solid	6010C	353262
680-106200-47	CV0613B-CS18	Total/NA	Solid	6010C	353262
LCS 680-353262/2-A	Lab Control Sample	Total/NA	Solid	6010C	353262
LCS 680-353346/2-A	Lab Control Sample	Total/NA	Solid	6010C	353346
LCS 680-353436/2-A	Lab Control Sample	Total/NA	Solid	6010C	353436
MB 680-353262/1-A	Method Blank	Total/NA	Solid	6010C	353262
MB 680-353346/1-A	Method Blank	Total/NA	Solid	6010C	353346
MB 680-353436/1-A	Method Blank	Total/NA	Solid	6010C	353436

Metals (Continued)

Analysis Batch: 354233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-33	CV0965D-CS12	Total/NA	Solid	6010C	353312
680-106200-34	CV0965D-CS18	Total/NA	Solid	6010C	353312
680-106200-35	CV0965D-CS24	Total/NA	Solid	6010C	353312
680-106200-36	CV0739A-CS6	Total/NA	Solid	6010C	353312
680-106200-38	CV0739A-CS18	Total/NA	Solid	6010C	353312
680-106200-39	CV0739A-CS24	Total/NA	Solid	6010C	353312
LCS 680-353312/2-A	Lab Control Sample	Total/NA	Solid	6010C	353312
MB 680-353312/1-A	Method Blank	Total/NA	Solid	6010C	353312

Analysis Batch: 354509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-33	CV0965D-CS12	Total/NA	Solid	6010C	353312
680-106200-34	CV0965D-CS18	Total/NA	Solid	6010C	353312

General Chemistry

Analysis Batch: 353217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-31	CV0965D-CS6	Total/NA	Solid	Moisture	
680-106200-31 MS	CV0965D-CS6	Total/NA	Solid	Moisture	
680-106200-31 MSD	CV0965D-CS6	Total/NA	Solid	Moisture	
680-106200-32	CV0965D-CSD6	Total/NA	Solid	Moisture	
680-106200-33	CV0965D-CS12	Total/NA	Solid	Moisture	
680-106200-34	CV0965D-CS18	Total/NA	Solid	Moisture	
680-106200-35	CV0965D-CS24	Total/NA	Solid	Moisture	
680-106200-36	CV0739A-CS6	Total/NA	Solid	Moisture	
680-106200-37	CV0739A-CS12	Total/NA	Solid	Moisture	
680-106200-38	CV0739A-CS18	Total/NA	Solid	Moisture	
680-106200-39	CV0739A-CS24	Total/NA	Solid	Moisture	
680-106200-40	CV0509T-CS6	Total/NA	Solid	Moisture	
680-106200-41	CV0509T-CS12	Total/NA	Solid	Moisture	
680-106200-42	CV0509T-CS18	Total/NA	Solid	Moisture	
680-106200-43	CV0613B-CS6	Total/NA	Solid	Moisture	
680-106200-44	CV0509T-CS24	Total/NA	Solid	Moisture	
680-106200-45	CV0613B-CSD6	Total/NA	Solid	Moisture	
680-106200-46	CV0613B-CS12	Total/NA	Solid	Moisture	
680-106200-47	CV0613B-CS18	Total/NA	Solid	Moisture	
680-106200-48	CV0613B-CS24	Total/NA	Solid	Moisture	
680-106200-49	CV0753A-CS (0-4")	Total/NA	Solid	Moisture	
680-106200-50	CV0753A-CSD (0-4")	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0965D-CS6

Lab Sample ID: 680-106200-31
Date Collected: 10/06/14 15:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.05 g	1 mL	353671	10/15/14 14:21	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.05 g	1 mL	354069	10/17/14 13:41	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.05 g	100 mL	353346	10/13/14 14:24	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.05 g	100 mL	353949	10/15/14 17:42	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	3050B			1.05 g	100 mL	353346	10/13/14 14:24	CRW	TAL SAV
Total/NA	Analysis	6010C		10	1.05 g	100 mL	353949	10/16/14 10:30	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: CV0965D-CSD6

Lab Sample ID: 680-106200-32
Date Collected: 10/06/14 15:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.98 g	1 mL	353477	10/15/14 10:01	JMV	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	29.98 g	1 mL	353862	10/16/14 19:13	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.19 g	100 mL	353346	10/13/14 14:24	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.19 g	100 mL	353949	10/15/14 18:36	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: CV0965D-CS12

Lab Sample ID: 680-106200-33
Date Collected: 10/06/14 15:40
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 94.6

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	353477	10/15/14 10:01	JMV	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.01 g	1 mL	353862	10/16/14 19:35	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.15 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.15 g	100 mL	354233	10/18/14 01:37	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	3050B			1.15 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		10	1.15 g	100 mL	354509	10/20/14 16:25	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0965D-CS18

Lab Sample ID: 680-106200-34

Date Collected: 10/06/14 15:55
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.05 g	1 mL	353477	10/15/14 10:01	JMV	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		1	30.05 g	1 mL	353862	10/16/14 19:57	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.02 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.02 g	100 mL	354233	10/18/14 01:50	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Prep	3050B			1.02 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		10	1.02 g	100 mL	354509	10/20/14 16:30	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: CV0965D-CS24

Lab Sample ID: 680-106200-35

Date Collected: 10/06/14 16:00
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 89.5

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	353477	10/15/14 10:01	JMV	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		1	30.01 g	1 mL	353862	10/16/14 20:19	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.14 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.14 g	100 mL	354233	10/18/14 01:46	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: CV0739A-CS6

Lab Sample ID: 680-106200-36

Date Collected: 10/06/14 13:50
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 91.5

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	353477	10/15/14 10:01	JMV	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.04 g	1 mL	354071	10/17/14 14:31	KMW	TAL SAV
	Instrument ID:	CMSK								
Total/NA	Prep	3050B			1.01 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.01 g	100 mL	354233	10/18/14 01:59	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID:	NOEQUIP								

Lab Chronicle

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0739A-CS12 — Lab Sample ID: 680-106200-37

Date Collected: 10/06/14 14:00 — **Matrix: Solid**
Date Received: 10/11/14 09:33 — **Percent Solids: 93.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.99 g	1 mL	353477	10/15/14 10:01	JMV	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		50	29.99 g	1 mL	354071	10/17/14 16:03	KMW	TAL SAV
	Instrument ID:	CMSK								
Total/NA	Prep	3050B			0.54 g	100 mL	353436	10/14/14 10:32	CRW	TAL SAV
Total/NA	Analysis	6010C		1	0.54 g	100 mL	353949	10/15/14 16:55	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: CV0739A-CS18 — Lab Sample ID: 680-106200-38

Date Collected: 10/06/14 14:10 — **Matrix: Solid**
Date Received: 10/11/14 09:33 — **Percent Solids: 86.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.99 g	1 mL	353477	10/15/14 10:01	JMV	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	29.99 g	1 mL	354071	10/17/14 15:17	KMW	TAL SAV
	Instrument ID:	CMSK								
Total/NA	Prep	3050B			1.13 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.13 g	100 mL	354233	10/18/14 00:50	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: CV0739A-CS24 — Lab Sample ID: 680-106200-39

Date Collected: 10/06/14 14:20 — **Matrix: Solid**
Date Received: 10/11/14 09:33 — **Percent Solids: 82.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.01 g	1 mL	353477	10/15/14 10:01	JMV	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		1	30.01 g	1 mL	354071	10/17/14 12:13	KMW	TAL SAV
	Instrument ID:	CMSK								
Total/NA	Prep	3050B			1.06 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.06 g	100 mL	354233	10/18/14 00:29	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: CV0509T-CS6 — Lab Sample ID: 680-106200-40

Date Collected: 10/07/14 09:20 — **Matrix: Solid**
Date Received: 10/11/14 09:33 — **Percent Solids: 90.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.05 g	1 mL	353477	10/15/14 10:01	JMV	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0509T-CS6 — Lab Sample ID: 680-106200-40

Date Collected: 10/07/14 09:20 — **Matrix: Solid**
Date Received: 10/11/14 09:33 — **Percent Solids: 90.0**

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		10	30.05 g	1 mL	354071	10/17/14 12:36	KMW	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.07 g	100 mL	353346	10/13/14 14:24	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.07 g	100 mL	353949	10/15/14 18:10	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: CV0509T-CS12 — Lab Sample ID: 680-106200-41

Date Collected: 10/07/14 09:30 — **Matrix: Solid**
Date Received: 10/11/14 09:33 — **Percent Solids: 90.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.99 g	1 mL	353477	10/15/14 10:01	JMV	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	29.99 g	1 mL	354071	10/17/14 15:40	KMW	TAL SAV
	Instrument ID: CMSK									
Total/NA	Prep	3050B			1.13 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.13 g	100 mL	353949	10/15/14 20:44	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: CV0509T-CS18 — Lab Sample ID: 680-106200-42

Date Collected: 10/07/14 09:40 — **Matrix: Solid**
Date Received: 10/11/14 09:33 — **Percent Solids: 89.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.01 g	1 mL	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 14:25	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.15 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.15 g	100 mL	353949	10/15/14 20:27	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: CV0613B-CS6 — Lab Sample ID: 680-106200-43

Date Collected: 10/07/14 14:50 — **Matrix: Solid**
Date Received: 10/11/14 09:33 — **Percent Solids: 91.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.04 g	1 mL	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: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0613B-CS6

Lab Sample ID: 680-106200-43
Date Collected: 10/07/14 14:50
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 91.7

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		10	30.04 g	1 mL	354069	10/17/14 14:48	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.11 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.11 g	100 mL	353949	10/15/14 20:40	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: CV0509T-CS24

Lab Sample ID: 680-106200-44
Date Collected: 10/07/14 09:50
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.05 g	1 mL	353671	10/15/14 14:21	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		1	30.05 g	1 mL	354069	10/17/14 15:10	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.05 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.05 g	100 mL	353949	10/15/14 19:53	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: CV0613B-CSD6

Lab Sample ID: 680-106200-45
Date Collected: 10/07/14 14:50
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 91.2

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		10	30.01 g	1 mL	354069	10/17/14 15:32	KMW	TAL SAV
	Instrument ID: CMSY									
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 19:48	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 10:56	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0613B-CS12

Lab Sample ID: 680-106200-46
Date Collected: 10/07/14 15:00
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.01 g	1 mL	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 15:54	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.01 g	100 mL	353249	10/13/14 09:05	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.01 g	100 mL	353429	10/14/14 06:05	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: CV0613B-CS18

Lab Sample ID: 680-106200-47
Date Collected: 10/07/14 15:10
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.02 g	1 mL	353671	10/15/14 14:21	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		1	30.02 g	1 mL	354069	10/17/14 16:16	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.18 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.18 g	100 mL	353949	10/15/14 20:01	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: CV0613B-CS24

Lab Sample ID: 680-106200-48
Date Collected: 10/07/14 15:20
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.02 g	1 mL	353671	10/15/14 14:21	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		1	30.02 g	1 mL	354069	10/17/14 16:39	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.17 g	100 mL	353249	10/13/14 09:05	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.17 g	100 mL	353429	10/14/14 05:31	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Prep	3050B			1.17 g	100 mL	353249	10/13/14 09:05	CRW	TAL SAV
Total/NA	Analysis	6010C		10	1.17 g	100 mL	353783	10/15/14 12:34	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID:	NOEQUIP								

Lab Chronicle

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

TestAmerica Job ID: 680-106200-3
SDG: 680-106200-03

Client Sample ID: CV0753A-CS (0-4")

Lab Sample ID: 680-106200-49

Date Collected: 10/07/14 16:10
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 17:01	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.19 g	100 mL	353249	10/13/14 09:05	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.19 g	100 mL	353429	10/14/14 05:35	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: CV0753A-CSD (0-4")

Lab Sample ID: 680-106200-50

Date Collected: 10/07/14 16:10
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 87.6

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 17:23	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.11 g	100 mL	353249	10/13/14 09:05	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.11 g	100 mL	353429	10/14/14 06:09	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 85599

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 Ave C	PROJECT NO.: 20140738-1006	PROJECT LOCATION (STATE): AL	PAGE 1 OF 3
TAL (LAB) PROJECT MANAGER: Lisa Barvey	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 / 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
10/6/14	15:30	CV0965D-CS6	C		X			X	X									MS+MSD if possible
10/6/14	15:30	CV0965D-CSD6	C		X			X	X									
10/6/14	15:40	CV0965D-CS12	C		X			X	X									
10/6/14	15:55	CV0965D-CS18	C		X			X	X									
10/6/14	16:00	CV0965D-CS24	C		X			X	X									
10/6/14	13:50	CV0739A-CS6	C		X			X	X									
10/6/14	14:00	CV0739A-CS12	C		X			X	X									
10/6/14	14:10	CV0739A-CS18	C		X			X	X									
10/6/14	14:20	CV0739A-CS24	C		X			X	X									
10/7/14	09:20	CV0509T-CS6	C		X			X	X									
10/7/14	09:30	CV0509T-CS12	C		X			X	X									
10/7/14	09:40	CV0509T-CS18	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)

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 TA	PROJECT NO.: 2014078-1006	PROJECT LOCATION (STATE): AL	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 (OIL, SOLVENT, ...)	Al, Fe, As, Pb	VOAs								REMARKS
10/7/14	14:50	CV0613B-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)

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-3
SDG Number: 680-106200-03

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: 680-106200-3
SDG: 680-106200-03

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