Data Validation Checklist
Inorganic Analyses

Project:	35TH Avenue Superfund Site	Project No:	60430028; 1
Laboratory:	TestAmerica – Savannah, GA	Job ID.:	680-106200-1
Method:	SW-846 6010C (Aluminum, Arsenic, Iron, and Lead)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Samples Collected:	10/08/2014 & 10/09/2014
Reviewer:	Karen M Trujillo, URS Group, Inc.	Date:	08/07/2015
Concurrence[1]:	Martha Meyers-Lee, URS Group, Inc.	Date:	08/07/2015

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample preservation requirements met? If pH of aqueous sample >2 and was not adjusted by laboratory prior to analysis, J- flag positive results and R- flag non-detect results.			✓		
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil/sediment samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Have any technical holding times, determined from date of collection to date of analysis, been exceeded? (Hg: ≤28 days, other metals: ≤6 months; Cr+6: ≤24 hours from extraction). If not, then J- flag positive results and R- flag non-detect aqueous results.		✓			
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?		✓		Resident Soil RSL with THQ = 1.0 (ORNL, June 2015) for target analytes: • Aluminum: 77,000 mg/Kg • Arsenic: 0.68 mg/Kg • Iron: 55,000 mg/Kg • Lead: 400 mg/Kg The MDL for each target analyte is less than or equal to the respective above-mentioned RSL in undiluted samples.	
8. Were method blank (MB) prepared at the appropriate frequency (one per 20 samples, batch, matrix, and level)?	✓				
9. Was a calibration blank (ICB/CCB) analyzed at the beginning, after every 10th sample, and at the end of each analytical run?	✓				
10. Were target analytes detected in the method and/or calibration blanks?		✓		Target analyte was not detected in the method blanks. Calibration blanks were not evaluated.	

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
11. Were target analytes reported in equipment/rinsate blanks analyses above the DL?			✓	According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. 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			✓	Target analytes were not detected during the analysis of the method blanks. An evaluation of the effect of blank contamination on soil sample results was based on method blank results, and not calibration blank results.	
13. Are there negative laboratory blank results with the absolute value ≤RL? If yes, then flag positive and non-detect sample results that are < 10x absolute blank value as J- and UJ, respectively.		✓			
14. Was a field duplicate analyzed?	✓			CV0005Y-CSD6 (680-106200-2) is a field duplicate of sample CV0005Y-CS6 (680-106200-1).	
15. Was precision deemed acceptable as defined by the project plans?	✓			Refer to **Attachment B** (Field Duplicate Evaluation)	
16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? o 6010C: • ICAL: Blank and one standard • ICV initially, and CCV every 10th sample and at the end of the analytical run • Lower Limit of Quantitation Check Sample (CRI) to be analyzed after establishing lower laboratory reporting limits and as needed o 7471A: • ICAL: Blank and five standards • ICV initially, and CCV every 10th sample and at the end of the analytical run o 7196A: • ICAL: Blank and minimum of five standards • ICV initially, and CCV every 10th sample (15th per Method) and at the end of the analytical run	✓			6010C: 10/15/2014, 10/16/2014, 10/17/2014, 10/18/2014, and 10/20/2014. One blank and one standard initially. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis.	
17. Were these results within lab/project specifications? o 6010C • 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-	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
detects ▪ If 111-125%R, then J flag positive results ▪ If >125%R, then J+ flag positive results ▪ If >160%R, then R flag positive results • CRI (Method: 70-130%R, Laboratory: 50-150%R; Project: 50-150%R for Sb, Pb, and Tl, and 70-130%R for all other analytes): ▪ If CRI %R <50 (<30% for Sb, Pb, TL), then R flag results ≤ 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69% (30-49% for Sb, Pb, TL), then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180% (>150%, but ≤200% for Sb, Pb, TL), then J+ flag positive results <2x RL ▪ If CRI %R >180% (>200% for Sb, Pb, TL), then R flag positive results ○ 7471A • ICV/CCV (Criteria: 80-120%R): ▪ If correlation coefficients <0.995, then J and UJ flag positive and non-detect results. ▪ If %R <65, then J- flag positive results and R-flag non-detects ▪ If 65-79%R, then J- flag positive results and UJ flag non-detects ▪ If 121-135%R, then J flag positive results ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results • CRI (Method: Not required, Laboratory: 50-150%R, Project: 70-130%R): ▪ If CRI %R <50, then R flag results ≤ 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69%, then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180%, then J+ flag positive results <2x RL ▪ If CRI %R >180%, then R flag positive result ○ 7196A: • ICV/CCV (Criteria: 90-110%R): ▪ If correlation coefficients <0.995, then J and UJ flag positive and non-detect results. ▪ If %R <65, then J- flag positive results and R-flag non-detects ▪ If 65-90%R, then J- flag positive results and UJ flag non-detects ▪ If 110-135%R, then J flag positive results					

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results					
18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?	✓				
19. Are ICS recoveries within 80-120% of the true value? If not, qualify data as follows when native Al, Fe, Ca, and Mg sample concentrations are equal to or greater than the ICS spiking level: o If >120%R (or >true value plus 2x CRQL), J+ flag positive results o If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects o If <50%R, J- flag positive results and R-flag non-detects	✓				
20. Was a LCS analyzed for each preparation batch (one per 20 samples per matrix and level)?	✓				
21. Did LCS recoveries meet method/laboratory/project (80-120%R) specifications? o Soil: • LCS result > Upper control limit (UCL): J+ flag positive results • LCS result < Lower control limit (LCL): J- flag positive results and UJ flag non-detects o Aqueous: • If <50%R, then J- and R flag positive and ND results, respectively • If 50-LCL%R, J- and UJ flag positive and ND results, respectively • >UCL: J+ Flag positive results • >150%R: R Flag results	✓				
22. Was the RPD between LCS and LCSD results within method/laboratory /project control limits (≤20%RPD)? If not, J and UJ flag positive and non-detect results, respectively			✓	LCS only	
23. Was a Matrix Spike (MS) and Matrix Spike Duplicate (MSD) analyzed once per preparation batch?	✓			• Batch 353312: 680-106200-1 (CV0005Y-CS6), MS/MSD/PDS • Batch 353262: 680-106200-A-51 (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 353346: 680-106200-B-18 (Batch Sample), MS/MSD/PDS. Lab sample 680-106200-B-18 is a project-specific sample (CV0971WW-CS6) and results were reported under Job ID 680-106200-2.	
24. Is the MS and MSD parent sample a project-specific sample?	✓	✓			
25. Was a post-digestion spike (PDS) analysis conducted when MS and/or MSD results did not meet control limits (Note: PDS is not required for silver, mercury, or hexavalent chromium)?	✓				
26. For all analytes with sample concentration < 4 x spike concentration, are spike recoveries within method (6010C: 75-125%R MS/MSD and 80-120%R PDS; 7471A: 80-120%R MS/MSD; 7196A: 85-115%R MS), laboratory (MS, MSD, and PDS: 75-125%R for 6010C/7471 (as		✓		680-106200-1 (CV0005Y-CS6): Arsenic MS and MSD @83 and 131%R (Lab/Project: 75-125%R); PDS @88%R (Lab/Project: 80-120%R). Qualification of data is not warranted, as the MS recovery met control limits.	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
applicable) and 80-120%R for 7196), and project (as noted below) specifications? *Only QC results for project samples are evaluated.* If not, o 6010C: • If MS %R <30 and PDS %R <75, then J- and R Flag positive and ND results, respectively • If MS %R <30 and PDS %R >75, then J flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R <75, then J- flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R ≥75, then J flag positive and UJ flag non-detect results • If MS, MSD, and PDS %R >125, J+ flag positive results • If MS and MSD %R >125 and PDS %R ≤125, then J flag positive results • If MS and MSD %R <30 and no PDS, then J- flag positive and R-flag non-detect results • If MS and MSD %R 30-74 and no PDS, then J- and UJ flag positive and non-detect results, respectively • If MS and MSD %R >125 and no PDS, then J+ flag positive results o 7471A/7196: • If MS %R <30, then J- and R Flag positive and ND results, respectively • If MS and MSD %R 30-LCL, then J- flag positive and UJ flag non-detect results • If MS and MSD %R >UCL, then J+ flag positive results					
27. For all analytes with sample concentration < 4 x spike concentration, were laboratory/project (≤20%RPD) criteria met for precision during the MS and MSD analysis? *Only QC results for project samples are evaluated.* o If RPD >20%, J and UJ flag positive and non-detect results.	✓				
28. Was a serial dilution conducted for 6010C/EPA 200.7?	✓				
29. Is the serial dilution parent sample a project-specific sample?	✓	✓		• 680-106200-1 (CV0005Y-CS6) • 680-106200-51 (Batch Sample). Lab sample 680-106200-51 is a project-specific sample [CV0753B-CS (0-4")] and results were reported under Job ID 680-106200-4. • 680-106200-18 (Batch Sample). Lab sample 680-106200-18 is a project-specific sample (CV0971WW-CS6) and results were reported under Job ID 680-106200-2.	
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*	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
samples are evaluated. o If %D >10, J and UJ flag positive and non-detect results, respectively.					
31. Was a laboratory duplicate analyzed?		✓			
32. Was the lab duplicate analysis conducted on a project-specific sample?			✓		
33. Were criteria for laboratory/project precision met? *Only QC results for project samples are evaluated.* o If RPD values >20% (35% for soil/sediment) or absolute difference > RL (2x RL for soil/sediment), then J and UJ flag positive and non-detect results, respectively			✓		
34. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to **Attachment C** (Case Narrative)	

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

DV Flag Definitions:

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

ATTACHMENT A

SAMPLE SUMMARY

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-1
Sdg Number: 680-106200-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-106200-1	CV0005Y-CS6	Solid	10/09/2014 0900	10/11/2014 0933
680-106200-1MS	CV0005Y-CS6	Solid	10/09/2014 0900	10/11/2014 0933
680-106200-1MSD	CV0005Y-CS6	Solid	10/09/2014 0900	10/11/2014 0933
680-106200-2	CV0005Y-CSD6	Solid	10/09/2014 0900	10/11/2014 0933
680-106200-3	CV0005Y-CS12	Solid	10/09/2014 0910	10/11/2014 0933
680-106200-4	CV0005Y-CS18	Solid	10/09/2014 0920	10/11/2014 0933
680-106200-5	CV0005Y-CS24	Solid	10/09/2014 0930	10/11/2014 0933
680-106200-6	CV0005AA-CS6	Solid	10/08/2014 1400	10/11/2014 0933
680-106200-7	CV0005AA-CS12	Solid	10/08/2014 1410	10/11/2014 0933
680-106200-8	CV0005AA-CS18	Solid	10/08/2014 1420	10/11/2014 0933
680-106200-9	CV0005AA-CS24	Solid	10/08/2014 1430	10/11/2014 0933
680-106200-10	CV0005BB-CS6	Solid	10/08/2014 1230	10/11/2014 0933
680-106200-11	CV0005BB-CS12	Solid	10/08/2014 1240	10/11/2014 0933
680-106200-12	CV0005BB-CS18	Solid	10/08/2014 1250	10/11/2014 0933
680-106200-13	CV0005BB-CS24	Solid	10/08/2014 1300	10/11/2014 0933
680-106200-14	CV0005E-CS6	Solid	10/08/2014 0920	10/11/2014 0933
680-106200-15	CV0005E-CS12	Solid	10/08/2014 0930	10/11/2014 0933
680-106200-16	CV0005E-CS18	Solid	10/08/2014 0940	10/11/2014 0933
680-106200-17	CV0005E-CS24	Solid	10/08/2014 0950	10/11/2014 0933

ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results **Attachment B**

Analyte	CV0005Y-CS6 680-106200-1		RL	CV0005Y-CSD6 680-106200-2		RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Aluminum	12000		22	14000		20	mg/kg	105	**15**	NA	NA	None, RPD ≤ 50%
Arsenic	28		2.2	27		2.0	mg/kg	10.5	**4**	NA	NA	None, RPD ≤ 50%
Iron	47000		22	42000		20	mg/kg	105	**11**	NA	NA	None, RPD ≤ 50%
Lead	220		11	190		1.0	mg/kg	30	**15**	NA	NA	None, RPD ≤ 50%

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

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

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

ATTACHMENT C

CASE NARRATIVE

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-106200-1

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

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

RECEIPT

The samples were received on 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 CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5), CV0005AA-CS6 (680-106200-6), CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS24 (680-106200-9), CV0005BB-CS6 (680-106200-10), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005E-CS6 (680-106200-14), CV0005E-CS12 (680-106200-15), CV0005E-CS18 (680-106200-16) and CV0005E-CS24 (680-106200-17) 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): CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS6 (680-106200-6), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005BB-CS6 (680-106200-10), CV0005E-CS12 (680-106200-15), CV0005E-CS24 (680-106200-17), CV0005E-CS6 (680-106200-14), CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005E-CS18 (680-106200-16).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to abundance of target analytes: CV0005Y-CS6 (680-106200-1 MS), CV0005Y-CS6 (680-106200-1 MSD). As such, surrogate and MS/MSD spike recoveries were diluted out and are not reported.

Method(s) 8270D_LL_PAH: The following sample(s) required a dilution due to the nature of the sample matrix: CV0005AA-CS24 (680-106200-9), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5). Because of this dilution, the surrogate spikes are not reported.

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV0005AA-CS24 (680-106200-9), CV0005Y-CS18 (680-106200-4). Elevated reporting limits (RLs) are provided.

Several analytes have recovery outside criteria low for the MS and MSD of sample CV0005Y-CS6 (680-106200-1) in batch 680-353689. Refer to the QC report for details.

METALS (ICP)

Samples CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5), CV0005AA-CS6 (680-106200-6), CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS24 (680-106200-9), CV0005BB-CS6 (680-106200-10), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005E-CS6 (680-106200-14), CV0005E-CS12 (680-106200-15), CV0005E-CS18 (680-106200-16) and CV0005E-CS24 (680-106200-17) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Several metals have recoveries outside criteria high for the MS of sample CV0005Y-CS6 (680-106200-1) in batch 680-354509.

Iron recovery is outside criteria low for the MSD of sample CV0005Y-CS6 (680-106200-1) in batch 680-354509. Aluminum, Arsenic and Lead recovery is outside criteria high.

Refer to the QC report for details.

Samples CV0005Y-CS6 (680-106200-1)[10X] and CV0005BB-CS12 (680-106200-11)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

PERCENT SOLIDS/MOISTURE

Samples CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5), CV0005AA-CS6 (680-106200-6), CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS24 (680-106200-9), CV0005BB-CS6 (680-106200-10), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005E-CS6 (680-106200-14), CV0005E-CS12

(680-106200-15), CV0005E-CS18 (680-106200-16) and CV0005E-CS24 (680-106200-17) 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: CV0005Y-CS6
Lab Sample ID: 680-106200-1
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/09/2014 09:00
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	12000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	28	2.2	0.65	mg/Kg			1	6010C
7439-89-6	Iron	47000	22	7.7	mg/Kg			1	6010C
7439-92-1	Lead	220	11	5.8	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: CV0005Y-CSD6
Lab Sample ID: 680-106200-2
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/09/2014 09:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 88.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	27	2.0	0.60	mg/Kg			1	6010C
7439-89-6	Iron	42000	20	7.2	mg/Kg			1	6010C
7439-92-1	Lead	190	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: CV0005Y-CS12
Lab Sample ID: 680-106200-3
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/09/2014 09:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 88.2

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	23	2.2	0.66	mg/Kg			1	6010C
7439-89-6	Iron	41000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	34	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: CV0005Y-CS18
Lab Sample ID: 680-106200-4
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/09/2014 09:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 86.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	25	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	36000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	27	1.1	0.56	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005Y-CS24
Lab Sample ID: 680-106200-5
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/09/2014 09:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 85.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16000	23	12	mg/Kg			1	6010C
7440-38-2	Arsenic	34	2.3	0.68	mg/Kg			1	6010C
7439-89-6	Iron	41000	23	8.1	mg/Kg			1	6010C
7439-92-1	Lead	26	1.2	0.61	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005AA-CS6
Lab Sample ID: 680-106200-6
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 14:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 90.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	19	9.3	mg/Kg			1	6010C
7440-38-2	Arsenic	29	1.9	0.55	mg/Kg			1	6010C
7439-89-6	Iron	40000	19	6.5	mg/Kg			1	6010C
7439-92-1	Lead	110	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: CV0005AA-CS12
Lab Sample ID: 680-106200-7
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 14:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 90.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	31	2.1	0.62	mg/Kg			1	6010C
7439-89-6	Iron	55000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	28	1.1	0.56	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005AA-CS18
Lab Sample ID: 680-106200-8
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 14:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 88.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	19	9.6	mg/Kg			1	6010C
7440-38-2	Arsenic	29	1.9	0.57	mg/Kg			1	6010C
7439-89-6	Iron	71000	19	6.7	mg/Kg			1	6010C
7439-92-1	Lead	38	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: CV0005AA-CS24
Lab Sample ID: 680-106200-9
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 14:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 88.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	21	10	mg/Kg			1	6010C
7440-38-2	Arsenic	17	2.1	0.62	mg/Kg			1	6010C
7439-89-6	Iron	32000	21	7.3	mg/Kg			1	6010C
7439-92-1	Lead	14	1.0	0.56	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005BB-CS6
Lab Sample ID: 680-106200-10
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 12:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 87.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	40	2.2	0.65	mg/Kg			1	6010C
7439-89-6	Iron	40000	22	7.7	mg/Kg			1	6010C
7439-92-1	Lead	92	1.1	0.58	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005BB-CS12
Lab Sample ID: 680-106200-11
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 12:40
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 85.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15000	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	58	2.0	0.60	mg/Kg			1	6010C
7439-89-6	Iron	55000	20	7.1	mg/Kg			1	6010C
7439-92-1	Lead	110	10	5.4	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: CV0005BB-CS18

Lab Sample ID: 680-106200-12

Lab Name: TestAmerica Savannah

Job No.: 680-106200-1

SDG ID.: 680-106200-01

Matrix: Solid

Date Sampled: 10/08/2014 12:50

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	12000	20	9.8	mg/Kg			1	6010C
7440-38-2	Arsenic	39	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	36000	20	6.9	mg/Kg			1	6010C
7439-92-1	Lead	58	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: CV0005BB-CS24
Lab Sample ID: 680-106200-13
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 13:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 89.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	19000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	37	2.2	0.66	mg/Kg			1	6010C
7439-89-6	Iron	38000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	140	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: CV0005E-CS6
Lab Sample ID: 680-106200-14
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 09:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 91.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	19	9.5	mg/Kg			1	6010C
7440-38-2	Arsenic	29	1.9	0.56	mg/Kg			1	6010C
7439-89-6	Iron	42000	19	6.6	mg/Kg			1	6010C
7439-92-1	Lead	130	0.95	0.50	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005E-CS12
Lab Sample ID: 680-106200-15
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 09:30
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	11	mg/Kg			1	6010C
7440-38-2	Arsenic	30	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	33000	21	7.5	mg/Kg			1	6010C
7439-92-1	Lead	120	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: CV0005E-CS18
Lab Sample ID: 680-106200-16
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 09:40
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 90.2

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	38	2.1	0.61	mg/Kg			1	6010C
7439-89-6	Iron	39000	21	7.2	mg/Kg			1	6010C
7439-92-1	Lead	230	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: CV0005E-CS24
Lab Sample ID: 680-106200-17
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 09:50
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 91.6

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	32	2.2	0.64	mg/Kg			1	6010C
7439-89-6	Iron	46000	22	7.6	mg/Kg			1	6010C
7439-92-1	Lead	250	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)

Data Validation Checklist
Semivolatile Organic Analyses

Project:	35TH Avenue Superfund Site	Project No:	60430028; 1
Laboratory:	TestAmerica – Savannah, GA	Job ID.:	680-106200-1
Method:	SW-846 8270D Low-Level (PAH)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Samples Collected:	10/08/2014 & 10/09/2014
Reviewer:	Karen M Trujillo, URS Group, Inc.	Date:	08/07/2015
Concurrence[1]:	Martha Meyers-Lee, URS Group, Inc.	Date:	08/07/2015

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

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
14. Is a field duplicate associated with this Job?	✓			CV0005Y-CSD6 (680-106200-2) is a field duplicate of sample CV0005Y-CS6 (680-106200-1).	
15. Was precision deemed acceptable as defined by the project plans?		✓		Refer to **Attachment B** (Field Duplicate Evaluation)	J
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270D) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2.	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? • Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. • An initial calibration is to be associated with each sample analysis. • A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument.	✓			• Instrument ID: CMSY • Initial Calibration: 10/07/2014 • ICV: 10/07/14 @ 16:25 • CCV: 10/15/14 @ 13:05 & 10/16/2014 @09:29	
19. Were calibration results within laboratory/project specifications? • ICAL (Criteria: $\leq$20 mean %RSD ($\leq$50% for poor performers), OR r$\geq$0.995, OR $r^2 \geq$0.99, and RRF $\geq$0.050 ($\geq$0.010 for poor performers)): o If %RSD>20 (>50% for poor performers), or r <0.995, or r^2 <0.995, then J flag positive results and UJ flag non-detects o If mean RRF <0.050 (<0.010 for poor performers), then J flag positive results and R flag non-detects (unless the lab analyzed a detectability check standard) • ICV and CCV (ICV Criteria: $\leq \pm$30%D; CCV Criteria: $\leq \pm$20%D ($\leq$50% for poor performers) and RF $\geq$0.050 ($\geq$0.010 for poor performers)): o If %D> Control Limit (>50% for poor performers), then J flag positive results and UJ flag non-detects o If RF <0.050 (<0.010 for poor performers), then UJ flag non-detected semivolatile target compounds	✓				
20. Was a LCS prepared for each batch and matrix?	✓				
21. Were LCS recoveries within lab control limits? If no, J flag positive results when %R >Upper Control Limit (UCL) and J/R flag results when %R <Lower Control Limit (LCL).	✓				
22. Were LCS/LCSD RPD within lab specifications? If no, J flag positive results and UJ flag non-detects			✓	LCS only	
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓				
24. Is the MS/MSD parent sample a project-specific sample?	✓			Batch 353328: 680-106200-1 (CV0005Y-CS6), MS/MSD	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
25. For all analytes with native sample concentrations < 4 x spiking level, were MS and MSD recoveries within laboratory/project specifications? *Only QC results for project samples that are reported under this Job ID are evaluated.* • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If either MS or MSD recovery meets control limits, qualification of data is not warranted. • MS and MSD %R<10: J and R Flag positive and ND results, respectively • MS and MSD %R >10 and <LCL: J Flag positive and UJ flag non-detect results • MS and MSD R% >UCL (or 140): J Flag positive results		✓		680-106200-1 (CV0005Y-CS6): • Benzo[a]anthracene MS and MSD @18 and 32 %R (Lab/Project: 39-157) • Fluoranthene MS and MSD @-25 and -11 %R (Lab/Project: 36-147) • Phenanthrene MS and MSD @25 and 13 %R (Lab/Project: 40-135%R) • Pyrene MS and MSD @-40 and -13 %R (Lab/Project: 38-145%R) Results for the above-mentioned analytes are estimated (J-flagged) in sample CV0005Y-CS6 and field duplicate CV0005Y-CSD6 (680-106200-2) due to matrix interference. Qualification of CV0005Y-CS6 data is not warranted for the following analytes, as the MSD recovery met control limits: • Benzo[a]pyrene MS and MSD @28 and 45 %R (Lab/Project: 41-158) • Benzo[b]fluoranthene MS and MSD @-9 and 56 %R (Lab/Project: 35-152) • Chrysene MS and MSD @6 and 39 %R (Lab/Project: 38-147)	J
26. For all analytes with native sample concentrations < 4 x spiking level, were laboratory criteria met for precision during the MS and MSD analyses? *Only QC results for project samples that are reported under this Job ID are evaluated.* • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If %RPD > UCL, J flag positive result and UJ flag non-detect result	✓				
27. Were surrogate recoveries within lab/project specifications? • If %R for 1 Acid or BN surrogates <10, then J flag positive and R flag non-detect associated sample results (i.e., acid or BN results) • If 2 or more Acid or BN %R >UCL, then J flag positive associated sample results (i.e., acid or BN results) • If 2 or more Acid or BN %R ≥10%, but <LCL, then J flag 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 all samples. Qualification of sample results is not warranted, as the surrogate compound was diluted out of the samples.	
28. Were internal standard (IS) results within lab/project specifications? • If IS area counts are less than 50% of the midpoint calibration standard, then J flag positive and UJ flag non-detect associated	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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: 680-106200-1
Sdg Number: 680-106200-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-106200-1	CV0005Y-CS6	Solid	10/09/2014 0900	10/11/2014 0933
680-106200-1MS	CV0005Y-CS6	Solid	10/09/2014 0900	10/11/2014 0933
680-106200-1MSD	CV0005Y-CS6	Solid	10/09/2014 0900	10/11/2014 0933
680-106200-2	CV0005Y-CSD6	Solid	10/09/2014 0900	10/11/2014 0933
680-106200-3	CV0005Y-CS12	Solid	10/09/2014 0910	10/11/2014 0933
680-106200-4	CV0005Y-CS18	Solid	10/09/2014 0920	10/11/2014 0933
680-106200-5	CV0005Y-CS24	Solid	10/09/2014 0930	10/11/2014 0933
680-106200-6	CV0005AA-CS6	Solid	10/08/2014 1400	10/11/2014 0933
680-106200-7	CV0005AA-CS12	Solid	10/08/2014 1410	10/11/2014 0933
680-106200-8	CV0005AA-CS18	Solid	10/08/2014 1420	10/11/2014 0933
680-106200-9	CV0005AA-CS24	Solid	10/08/2014 1430	10/11/2014 0933
680-106200-10	CV0005BB-CS6	Solid	10/08/2014 1230	10/11/2014 0933
680-106200-11	CV0005BB-CS12	Solid	10/08/2014 1240	10/11/2014 0933
680-106200-12	CV0005BB-CS18	Solid	10/08/2014 1250	10/11/2014 0933
680-106200-13	CV0005BB-CS24	Solid	10/08/2014 1300	10/11/2014 0933
680-106200-14	CV0005E-CS6	Solid	10/08/2014 0920	10/11/2014 0933
680-106200-15	CV0005E-CS12	Solid	10/08/2014 0930	10/11/2014 0933
680-106200-16	CV0005E-CS18	Solid	10/08/2014 0940	10/11/2014 0933
680-106200-17	CV0005E-CS24	Solid	10/08/2014 0950	10/11/2014 0933

ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0005Y-CS6 680-106200-1	RL	CV0005Y-CSD6 680-106200-2	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
1-Methylnaphthalene	190	150	230	150	µg/kg	750	NA	**40**	**300**	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	210	150	240	150	µg/kg	750	NA	**30**	**300**	None, absolute difference ≤ 2x Avg RL
Anthracene	160	150	U	150	µg/kg	750	NA	**160**	**300**	None, absolute difference ≤ 2x Avg RL
Benzo(a)anthracene	650	150	350	150	µg/kg	750	NA	**300**	**300**	None, absolute difference ≤ 2x Avg RL
Benzo(a)pyrene	630	150	400	150	µg/kg	750	NA	**230**	**300**	None, absolute difference ≤ 2x Avg RL
Benzo(b)fluoranthene	990	150	670	150	µg/kg	750	NA	**320**	**300**	**J/UJ-flag, absolute difference > 2x Avg RL**
Benzo(g,h,i)perylene	430	150	290	150	µg/kg	750	NA	**140**	**300**	None, absolute difference ≤ 2x Avg RL
Benzo(k)fluoranthene	430	150	260	150	µg/kg	750	NA	**170**	**300**	None, absolute difference ≤ 2x Avg RL
Chrysene	860	150	520	150	µg/kg	750	NA	**340**	**300**	**J/UJ-flag, absolute difference > 2x Avg RL**
Dibenzo(a,h)anthracene	210	150	150	150	µg/kg	750	NA	**60**	**300**	None, absolute difference ≤ 2x Avg RL
Fluoranthene	1200	150	610	150	µg/kg	750	NA	**590**	**300**	**J/UJ-flag, absolute difference > 2x Avg RL**
Indeno(1,2,3-cd)pyrene	350	150	240	150	µg/kg	750	NA	**110**	**300**	None, absolute difference ≤ 2x Avg RL
Naphthalene	140 J	150	160	150	µg/kg	750	NA	**20**	**300**	None, absolute difference ≤ 2x Avg RL
Phenanthrene	810	150	470	150	µg/kg	750	NA	**340**	**300**	**J/UJ-flag, absolute difference > 2x Avg RL**
Pyrene	1200	150	620	150	µg/kg	750	NA	**580**	**300**	**J/UJ-flag, 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
U - Not detected at the associated limit
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: 680-106200-1

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

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

RECEIPT

The samples were received on 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 CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5), CV0005AA-CS6 (680-106200-6), CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS24 (680-106200-9), CV0005BB-CS6 (680-106200-10), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005E-CS6 (680-106200-14), CV0005E-CS12 (680-106200-15), CV0005E-CS18 (680-106200-16) and CV0005E-CS24 (680-106200-17) 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): CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS6 (680-106200-6), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005BB-CS6 (680-106200-10), CV0005E-CS12 (680-106200-15), CV0005E-CS24 (680-106200-17), CV0005E-CS6 (680-106200-14), CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005E-CS18 (680-106200-16).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to abundance of target analytes: CV0005Y-CS6 (680-106200-1 MS), CV0005Y-CS6 (680-106200-1 MSD). As such, surrogate and MS/MSD spike recoveries were diluted out and are not reported.

Method(s) 8270D_LL_PAH: The following sample(s) required a dilution due to the nature of the sample matrix: CV0005AA-CS24 (680-106200-9), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5). Because of this dilution, the surrogate spikes are not reported.

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV0005AA-CS24 (680-106200-9), CV0005Y-CS18 (680-106200-4). Elevated reporting limits (RLs) are provided.

Several analytes have recovery outside criteria low for the MS and MSD of sample CV0005Y-CS6 (680-106200-1) in batch 680-353689. Refer to the QC report for details.

METALS (ICP)

Samples CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5), CV0005AA-CS6 (680-106200-6), CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS24 (680-106200-9), CV0005BB-CS6 (680-106200-10), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005E-CS6 (680-106200-14), CV0005E-CS12 (680-106200-15), CV0005E-CS18 (680-106200-16) and CV0005E-CS24 (680-106200-17) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Several metals have recoveries outside criteria high for the MS of sample CV0005Y-CS6 (680-106200-1) in batch 680-354509.

Iron recovery is outside criteria low for the MSD of sample CV0005Y-CS6 (680-106200-1) in batch 680-354509. Aluminum, Arsenic and Lead recovery is outside criteria high.

Refer to the QC report for details.

Samples CV0005Y-CS6 (680-106200-1)[10X] and CV0005BB-CS12 (680-106200-11)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

PERCENT SOLIDS/MOISTURE

Samples CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5), CV0005AA-CS6 (680-106200-6), CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS24 (680-106200-9), CV0005BB-CS6 (680-106200-10), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005E-CS6 (680-106200-14), CV0005E-CS12

(680-106200-15), CV0005E-CS18 (680-106200-16) and CV0005E-CS24 (680-106200-17) 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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005Y-CS6 | Lab Sample ID: 680-106200-1

Matrix: Solid | Lab File ID: 2YJ1511.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/09/2014 09:00

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

Sample wt/vol: 30.12(g) | Date Analyzed: 10/15/2014 16:27

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

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

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

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	73
208-96-8	Acenaphthylene	150	U	150	73
120-12-7	Anthracene	160		150	73
56-55-3	Benzo[a]anthracene	650	J	150	73
50-32-8	Benzo[a]pyrene	630		150	26
205-99-2	Benzo[b]fluoranthene	990	J	150	73
191-24-2	Benzo[g,h,i]perylene	430		150	73
207-08-9	Benzo[k]fluoranthene	430		150	44
218-01-9	Chrysene	860	J	150	73
53-70-3	Dibenz(a,h)anthracene	210		150	73
206-44-0	Fluoranthene	1200	J	150	73
86-73-7	Fluorene	150	U	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	350		150	73
90-12-0	1-Methylnaphthalene	190		150	68
91-57-6	2-Methylnaphthalene	210		150	73
91-20-3	Naphthalene	140	J	150	73
85-01-8	Phenanthrene	810	J	150	53
129-00-0	Pyrene	1200	J	150	73

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005Y-CSD6 | Lab Sample ID: 680-106200-2

Matrix: Solid | Lab File ID: 2YJ1512.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/09/2014 09:00

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

Sample wt/vol: 30.07(g) | Date Analyzed: 10/15/2014 16:49

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

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

% Moisture: 11.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	74
208-96-8	Acenaphthylene	150	U	150	74
120-12-7	Anthracene	150	U	150	74
56-55-3	Benzo[a]anthracene	350	J	150	74
50-32-8	Benzo[a]pyrene	400		150	27
205-99-2	Benzo[b]fluoranthene	670	J	150	74
191-24-2	Benzo[g,h,i]perylene	290		150	74
207-08-9	Benzo[k]fluoranthene	260		150	45
218-01-9	Chrysene	520	J	150	74
53-70-3	Dibenz(a,h)anthracene	150		150	74
206-44-0	Fluoranthene	610	J	150	74
86-73-7	Fluorene	150	U	150	74
193-39-5	Indeno[1,2,3-cd]pyrene	240		150	74
90-12-0	1-Methylnaphthalene	230		150	70
91-57-6	2-Methylnaphthalene	240		150	74
91-20-3	Naphthalene	160		150	74
85-01-8	Phenanthrene	470	J	150	54
129-00-0	Pyrene	620	J	150	74

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005Y-CS12 | Lab Sample ID: 680-106200-3

Matrix: Solid | Lab File ID: 2YJ1513.D

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

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

Sample wt/vol: 30.04(g) | Date Analyzed: 10/15/2014 17:12

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

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

% Moisture: 11.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	76	U	76	37
208-96-8	Acenaphthylene	76	U	76	37
120-12-7	Anthracene	76	U	76	37
56-55-3	Benzo[a]anthracene	76	U	76	37
50-32-8	Benzo[a]pyrene	18	J	76	14
205-99-2	Benzo[b]fluoranthene	76	U	76	37
191-24-2	Benzo[g,h,i]perylene	76	U	76	37
207-08-9	Benzo[k]fluoranthene	76	U	76	23
218-01-9	Chrysene	76	U	76	37
53-70-3	Dibenz(a,h)anthracene	76	U	76	37
206-44-0	Fluoranthene	76	U	76	37
86-73-7	Fluorene	76	U	76	37
193-39-5	Indeno[1,2,3-cd]pyrene	76	U	76	37
90-12-0	1-Methylnaphthalene	76	U	76	35
91-57-6	2-Methylnaphthalene	76	U	76	37
91-20-3	Naphthalene	76	U	76	37
85-01-8	Phenanthrene	76	U	76	27
129-00-0	Pyrene	76	U	76	37

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005Y-CS18 | Lab Sample ID: 680-106200-4

Matrix: Solid | Lab File ID: 2YJ1514.D

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

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

Sample wt/vol: 30.05(g) | Date Analyzed: 10/15/2014 17:34

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

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

% Moisture: 13.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | 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	77	U	77	38
56-55-3	Benzo[a]anthracene	77	U	77	38
50-32-8	Benzo[a]pyrene	77	U	77	14
205-99-2	Benzo[b]fluoranthene	77	U	77	38
191-24-2	Benzo[g,h,i]perylene	77	U	77	38
207-08-9	Benzo[k]fluoranthene	77	U	77	23
218-01-9	Chrysene	77	U	77	38
53-70-3	Dibenz(a,h)anthracene	77	U	77	38
206-44-0	Fluoranthene	77	U	77	38
86-73-7	Fluorene	77	U	77	38
193-39-5	Indeno[1,2,3-cd]pyrene	77	U	77	38
90-12-0	1-Methylnaphthalene	77	U	77	36
91-57-6	2-Methylnaphthalene	77	U	77	38
91-20-3	Naphthalene	77	U	77	38
85-01-8	Phenanthrene	77	U	77	28
129-00-0	Pyrene	77	U	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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005Y-CS24 | Lab Sample ID: 680-106200-5

Matrix: Solid | Lab File ID: 2YJ1515.D

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

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

Sample wt/vol: 30.10(g) | Date Analyzed: 10/15/2014 17:56

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

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

% Moisture: 14.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	78	U	78	39
208-96-8	Acenaphthylene	78	U	78	39
120-12-7	Anthracene	78	U	78	39
56-55-3	Benzo[a]anthracene	78	U	78	39
50-32-8	Benzo[a]pyrene	78	U	78	14
205-99-2	Benzo[b]fluoranthene	78	U	78	39
191-24-2	Benzo[g,h,i]perylene	78	U	78	39
207-08-9	Benzo[k]fluoranthene	78	U	78	23
218-01-9	Chrysene	78	U	78	39
53-70-3	Dibenz(a,h)anthracene	78	U	78	39
206-44-0	Fluoranthene	78	U	78	39
86-73-7	Fluorene	78	U	78	39
193-39-5	Indeno[1,2,3-cd]pyrene	78	U	78	39
90-12-0	1-Methylnaphthalene	78	U	78	36
91-57-6	2-Methylnaphthalene	78	U	78	39
91-20-3	Naphthalene	78	U	78	39
85-01-8	Phenanthrene	28	J	78	28
129-00-0	Pyrene	78	U	78	39

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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005AA-CS6 | Lab Sample ID: 680-106200-6

Matrix: Solid | Lab File ID: 2YJ1516.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 14:00

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

Sample wt/vol: 30.07(g) | Date Analyzed: 10/15/2014 18:18

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

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

% Moisture: 9.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	73
208-96-8	Acenaphthylene	150	U	150	73
120-12-7	Anthracene	150	U	150	73
56-55-3	Benzo[a]anthracene	360		150	73
50-32-8	Benzo[a]pyrene	440		150	26
205-99-2	Benzo[b]fluoranthene	630		150	73
191-24-2	Benzo[g,h,i]perylene	280		150	73
207-08-9	Benzo[k]fluoranthene	250		150	44
218-01-9	Chrysene	480		150	73
53-70-3	Dibenz(a,h)anthracene	110	J	150	73
206-44-0	Fluoranthene	560		150	73
86-73-7	Fluorene	150	U	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	220		150	73
90-12-0	1-Methylnaphthalene	150	U	150	68
91-57-6	2-Methylnaphthalene	150	U	150	73
91-20-3	Naphthalene	150	U	150	73
85-01-8	Phenanthrene	240		150	53
129-00-0	Pyrene	630		150	73

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005AA-CS12 | Lab Sample ID: 680-106200-7

Matrix: Solid | Lab File ID: 2YJ1517.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 14:10

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

Sample wt/vol: 30.05(g) | Date Analyzed: 10/15/2014 18:40

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

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

% Moisture: 9.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	51	J	74	36
208-96-8	Acenaphthylene	74	U	74	36
120-12-7	Anthracene	110		74	36
56-55-3	Benzo[a]anthracene	400		74	36
50-32-8	Benzo[a]pyrene	360		74	13
205-99-2	Benzo[b]fluoranthene	510		74	36
191-24-2	Benzo[g,h,i]perylene	210		74	36
207-08-9	Benzo[k]fluoranthene	220		74	22
218-01-9	Chrysene	470		74	36
53-70-3	Dibenz(a,h)anthracene	41	J	74	36
206-44-0	Fluoranthene	930		74	36
86-73-7	Fluorene	42	J	74	36
193-39-5	Indeno[1,2,3-cd]pyrene	160		74	36
90-12-0	1-Methylnaphthalene	41	J	74	34
91-57-6	2-Methylnaphthalene	74	U	74	36
91-20-3	Naphthalene	74	U	74	36
85-01-8	Phenanthrene	560		74	26
129-00-0	Pyrene	730		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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005AA-CS18 | Lab Sample ID: 680-106200-8

Matrix: Solid | Lab File ID: 2YJ1518.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 14:20

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

Sample wt/vol: 30.12(g) | Date Analyzed: 10/15/2014 19:02

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

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

% Moisture: 11.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150		75	37
208-96-8	Acenaphthylene	75	U	75	37
120-12-7	Anthracene	310		75	37
56-55-3	Benzo[a]anthracene	700		75	37
50-32-8	Benzo[a]pyrene	530		75	13
205-99-2	Benzo[b]fluoranthene	690		75	37
191-24-2	Benzo[g,h,i]perylene	290		75	37
207-08-9	Benzo[k]fluoranthene	300		75	22
218-01-9	Chrysene	570		75	37
53-70-3	Dibenz(a,h)anthracene	85		75	37
206-44-0	Fluoranthene	1500		75	37
86-73-7	Fluorene	150		75	37
193-39-5	Indeno[1,2,3-cd]pyrene	240		75	37
90-12-0	1-Methylnaphthalene	40	J	75	35
91-57-6	2-Methylnaphthalene	41	J	75	37
91-20-3	Naphthalene	71	J	75	37
85-01-8	Phenanthrene	1400		75	27
129-00-0	Pyrene	1300		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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005AA-CS24 | Lab Sample ID: 680-106200-9

Matrix: Solid | Lab File ID: 2YJ1519.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 14:30

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

Sample wt/vol: 30.14(g) | Date Analyzed: 10/15/2014 19:24

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

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

% Moisture: 11.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | 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	75	U	75	37
50-32-8	Benzo[a]pyrene	75	U	75	14
205-99-2	Benzo[b]fluoranthene	75	U	75	37
191-24-2	Benzo[g,h,i]perylene	75	U	75	37
207-08-9	Benzo[k]fluoranthene	75	U	75	23
218-01-9	Chrysene	75	U	75	37
53-70-3	Dibenz(a,h)anthracene	75	U	75	37
206-44-0	Fluoranthene	75	U	75	37
86-73-7	Fluorene	75	U	75	37
193-39-5	Indeno[1,2,3-cd]pyrene	75	U	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	75	U	75	27
129-00-0	Pyrene	75	U	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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005BB-CS6 | Lab Sample ID: 680-106200-10

Matrix: Solid | Lab File ID: 2YJ1520.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 12:30

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

Sample wt/vol: 30.09(g) | Date Analyzed: 10/15/2014 19:47

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

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

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

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	75
208-96-8	Acenaphthylene	100	J	150	75
120-12-7	Anthracene	90	J	150	75
56-55-3	Benzo[a]anthracene	550		150	75
50-32-8	Benzo[a]pyrene	650		150	27
205-99-2	Benzo[b]fluoranthene	920		150	75
191-24-2	Benzo[g,h,i]perylene	460		150	75
207-08-9	Benzo[k]fluoranthene	390		150	46
218-01-9	Chrysene	710		150	75
53-70-3	Dibenz(a,h)anthracene	96	J	150	75
206-44-0	Fluoranthene	1000		150	75
86-73-7	Fluorene	150	U	150	75
193-39-5	Indeno[1,2,3-cd]pyrene	350		150	75
90-12-0	1-Methylnaphthalene	88	J	150	71
91-57-6	2-Methylnaphthalene	100	J	150	75
91-20-3	Naphthalene	97	J	150	75
85-01-8	Phenanthrene	460		150	55
129-00-0	Pyrene	960		150	75

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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005BB-CS12 | Lab Sample ID: 680-106200-11

Matrix: Solid | Lab File ID: 2YJ1521.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 12:40

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

Sample wt/vol: 30.16(g) | Date Analyzed: 10/15/2014 20:09

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

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

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	160	U	160	76
208-96-8	Acenaphthylene	160	U	160	76
120-12-7	Anthracene	160	U	160	76
56-55-3	Benzo[a]anthracene	230		160	76
50-32-8	Benzo[a]pyrene	230		160	28
205-99-2	Benzo[b]fluoranthene	330		160	76
191-24-2	Benzo[g,h,i]perylene	150	J	160	76
207-08-9	Benzo[k]fluoranthene	130	J	160	46
218-01-9	Chrysene	270		160	76
53-70-3	Dibenz(a,h)anthracene	160	U	160	76
206-44-0	Fluoranthene	480		160	76
86-73-7	Fluorene	160	U	160	76
193-39-5	Indeno[1,2,3-cd]pyrene	130	J	160	76
90-12-0	1-Methylnaphthalene	160	U	160	72
91-57-6	2-Methylnaphthalene	160	U	160	76
91-20-3	Naphthalene	160	U	160	76
85-01-8	Phenanthrene	290		160	56
129-00-0	Pyrene	470		160	76

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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005BB-CS18 | Lab Sample ID: 680-106200-12

Matrix: Solid | Lab File ID: 2YJ1522.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 12:50

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

Sample wt/vol: 30.08(g) | Date Analyzed: 10/15/2014 20:31

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

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

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

Analysis Batch No.: 353689 | 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	77	U	77	38
56-55-3	Benzo[a]anthracene	75	J	77	38
50-32-8	Benzo[a]pyrene	86		77	14
205-99-2	Benzo[b]fluoranthene	120		77	38
191-24-2	Benzo[g,h,i]perylene	75	J	77	38
207-08-9	Benzo[k]fluoranthene	50	J	77	23
218-01-9	Chrysene	110		77	38
53-70-3	Dibenz(a,h)anthracene	77	U	77	38
206-44-0	Fluoranthene	120		77	38
86-73-7	Fluorene	77	U	77	38
193-39-5	Indeno[1,2,3-cd]pyrene	49	J	77	38
90-12-0	1-Methylnaphthalene	77	U	77	36
91-57-6	2-Methylnaphthalene	77	U	77	38
91-20-3	Naphthalene	77	U	77	38
85-01-8	Phenanthrene	58	J	77	28
129-00-0	Pyrene	120		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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005BB-CS24 | Lab Sample ID: 680-106200-13

Matrix: Solid | Lab File ID: 2YJ1523.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 13:00

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

Sample wt/vol: 30.11(g) | Date Analyzed: 10/15/2014 20:53

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

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

% Moisture: 10.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	74
208-96-8	Acenaphthylene	150	U	150	74
120-12-7	Anthracene	83	J	150	74
56-55-3	Benzo[a]anthracene	320		150	74
50-32-8	Benzo[a]pyrene	320		150	27
205-99-2	Benzo[b]fluoranthene	430		150	74
191-24-2	Benzo[g,h,i]perylene	210		150	74
207-08-9	Benzo[k]fluoranthene	210		150	45
218-01-9	Chrysene	390		150	74
53-70-3	Dibenz(a,h)anthracene	94	J	150	74
206-44-0	Fluoranthene	590		150	74
86-73-7	Fluorene	150	U	150	74
193-39-5	Indeno[1,2,3-cd]pyrene	150		150	74
90-12-0	1-Methylnaphthalene	150	U	150	69
91-57-6	2-Methylnaphthalene	150	U	150	74
91-20-3	Naphthalene	150	U	150	74
85-01-8	Phenanthrene	370		150	54
129-00-0	Pyrene	570		150	74

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005E-CS6 | Lab Sample ID: 680-106200-14

Matrix: Solid | Lab File ID: 2YJ1524.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 09:20

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

Sample wt/vol: 30.23(g) | Date Analyzed: 10/15/2014 21:15

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

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

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	140	U	140	71
208-96-8	Acenaphthylene	460		140	71
120-12-7	Anthracene	240		140	71
56-55-3	Benzo[a]anthracene	3100		140	71
50-32-8	Benzo[a]pyrene	3100		140	26
205-99-2	Benzo[b]fluoranthene	4800		140	71
191-24-2	Benzo[g,h,i]perylene	2000		140	71
207-08-9	Benzo[k]fluoranthene	1900		140	43
218-01-9	Chrysene	3500		140	71
53-70-3	Dibenz(a,h)anthracene	740		140	71
206-44-0	Fluoranthene	6000		140	71
86-73-7	Fluorene	84	J	140	71
193-39-5	Indeno[1,2,3-cd]pyrene	1400		140	71
90-12-0	1-Methylnaphthalene	94	J	140	67
91-57-6	2-Methylnaphthalene	110	J	140	71
91-20-3	Naphthalene	110	J	140	71
85-01-8	Phenanthrene	930		140	52
129-00-0	Pyrene	6300		140	71

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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005E-CS12 | Lab Sample ID: 680-106200-15

Matrix: Solid | Lab File ID: 2YJ1525.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 09:30

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

Sample wt/vol: 30.06(g) | Date Analyzed: 10/15/2014 21:38

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

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

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

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	73
208-96-8	Acenaphthylene	580		150	73
120-12-7	Anthracene	240		150	73
56-55-3	Benzo[a]anthracene	2100		150	73
50-32-8	Benzo[a]pyrene	2800		150	27
205-99-2	Benzo[b]fluoranthene	3800		150	73
191-24-2	Benzo[g,h,i]perylene	1900		150	73
207-08-9	Benzo[k]fluoranthene	1400		150	44
218-01-9	Chrysene	2600		150	73
53-70-3	Dibenz(a,h)anthracene	680		150	73
206-44-0	Fluoranthene	3000		150	73
86-73-7	Fluorene	87	J	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	1500		150	73
90-12-0	1-Methylnaphthalene	74	J	150	69
91-57-6	2-Methylnaphthalene	85	J	150	73
91-20-3	Naphthalene	100	J	150	73
85-01-8	Phenanthrene	750		150	53
129-00-0	Pyrene	3600		150	73

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005E-CS18 | Lab Sample ID: 680-106200-16

Matrix: Solid | Lab File ID: 1YJ1605.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 09:40

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

Sample wt/vol: 30.04(g) | Date Analyzed: 10/16/2014 10:46

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

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

% Moisture: 9.8 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	370	U	370	180
208-96-8	Acenaphthylene	1200		370	180
120-12-7	Anthracene	650		370	180
56-55-3	Benzo[a]anthracene	7200		370	180
50-32-8	Benzo[a]pyrene	6800		370	66
205-99-2	Benzo[b]fluoranthene	10000		370	180
191-24-2	Benzo[g,h,i]perylene	4600		370	180
207-08-9	Benzo[k]fluoranthene	3400		370	110
218-01-9	Chrysene	7400		370	180
53-70-3	Dibenz(a,h)anthracene	1600		370	180
206-44-0	Fluoranthene	11000		370	180
86-73-7	Fluorene	220	J	370	180
193-39-5	Indeno[1,2,3-cd]pyrene	4000		370	180
90-12-0	1-Methylnaphthalene	370	U	370	170
91-57-6	2-Methylnaphthalene	370	U	370	180
91-20-3	Naphthalene	230	J	370	180
85-01-8	Phenanthrene	2700		370	130
129-00-0	Pyrene	13000		370	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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005E-CS24 | Lab Sample ID: 680-106200-17

Matrix: Solid | Lab File ID: 2YJ1527.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 09:50

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

Sample wt/vol: 30.01(g) | Date Analyzed: 10/15/2014 22:22

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

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

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

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	240		150	72
208-96-8	Acenaphthylene	1100		150	72
120-12-7	Anthracene	900		150	72
56-55-3	Benzo[a]anthracene	5200		150	72
50-32-8	Benzo[a]pyrene	5600		150	26
205-99-2	Benzo[b]fluoranthene	7900		150	72
191-24-2	Benzo[g,h,i]perylene	3400		150	72
207-08-9	Benzo[k]fluoranthene	3500		150	44
218-01-9	Chrysene	5800		150	72
53-70-3	Dibenz(a,h)anthracene	1600		150	72
206-44-0	Fluoranthene	7800		150	72
86-73-7	Fluorene	300		150	72
193-39-5	Indeno[1,2,3-cd]pyrene	2600		150	72
90-12-0	1-Methylnaphthalene	190		150	68
91-57-6	2-Methylnaphthalene	220		150	72
91-20-3	Naphthalene	390		150	72
85-01-8	Phenanthrene	2900		150	52
129-00-0	Pyrene	9200		150	72

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

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

ANALYTICAL REPORT

Job Number: 680-106200-1

SDG Number: 680-106200-01

Job Description: 35th Avenue Superfund Site

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

Attention: Ms. Limari F Krebs

Approved for release.
Lisa M Harvey
Project Manager II
10/21/2014 3:23 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.

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CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-106200-1

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

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

RECEIPT

The samples were received on 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 CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5), CV0005AA-CS6 (680-106200-6), CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS24 (680-106200-9), CV0005BB-CS6 (680-106200-10), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005E-CS6 (680-106200-14), CV0005E-CS12 (680-106200-15), CV0005E-CS18 (680-106200-16) and CV0005E-CS24 (680-106200-17) 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): CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS6 (680-106200-6), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005BB-CS6 (680-106200-10), CV0005E-CS12 (680-106200-15), CV0005E-CS24 (680-106200-17), CV0005E-CS6 (680-106200-14), CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005E-CS18 (680-106200-16).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to abundance of target analytes: CV0005Y-CS6 (680-106200-1 MS), CV0005Y-CS6 (680-106200-1 MSD). As such, surrogate and MS/MSD spike recoveries were diluted out and are not reported.

Method(s) 8270D_LL_PAH: The following sample(s) required a dilution due to the nature of the sample matrix: CV0005AA-CS24 (680-106200-9), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5). Because of this dilution, the surrogate spikes are not reported.

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV0005AA-CS24 (680-106200-9), CV0005Y-CS18 (680-106200-4). Elevated reporting limits (RLs) are provided.

Several analytes have recovery outside criteria low for the MS and MSD of sample CV0005Y-CS6 (680-106200-1) in batch 680-353689. Refer to the QC report for details.

METALS (ICP)

Samples CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5), CV0005AA-CS6 (680-106200-6), CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS24 (680-106200-9), CV0005BB-CS6 (680-106200-10), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005E-CS6 (680-106200-14), CV0005E-CS12 (680-106200-15), CV0005E-CS18 (680-106200-16) and CV0005E-CS24 (680-106200-17) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Several metals have recoveries outside criteria high for the MS of sample CV0005Y-CS6 (680-106200-1) in batch 680-354509.

Iron recovery is outside criteria low for the MSD of sample CV0005Y-CS6 (680-106200-1) in batch 680-354509. Aluminum, Arsenic and Lead recovery is outside criteria high.

Refer to the QC report for details.

Samples CV0005Y-CS6 (680-106200-1)[10X] and CV0005BB-CS12 (680-106200-11)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

PERCENT SOLIDS/MOISTURE

Samples CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5), CV0005AA-CS6 (680-106200-6), CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS24 (680-106200-9), CV0005BB-CS6 (680-106200-10), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005E-CS6 (680-106200-14), CV0005E-CS12

(680-106200-15), CV0005E-CS18 (680-106200-16) and CV0005E-CS24 (680-106200-17) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-1
Sdg Number: 680-106200-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-106200-1	CV0005Y-CS6	Solid	10/09/2014 0900	10/11/2014 0933
680-106200-1MS	CV0005Y-CS6	Solid	10/09/2014 0900	10/11/2014 0933
680-106200-1MSD	CV0005Y-CS6	Solid	10/09/2014 0900	10/11/2014 0933
680-106200-2	CV0005Y-CSD6	Solid	10/09/2014 0900	10/11/2014 0933
680-106200-3	CV0005Y-CS12	Solid	10/09/2014 0910	10/11/2014 0933
680-106200-4	CV0005Y-CS18	Solid	10/09/2014 0920	10/11/2014 0933
680-106200-5	CV0005Y-CS24	Solid	10/09/2014 0930	10/11/2014 0933
680-106200-6	CV0005AA-CS6	Solid	10/08/2014 1400	10/11/2014 0933
680-106200-7	CV0005AA-CS12	Solid	10/08/2014 1410	10/11/2014 0933
680-106200-8	CV0005AA-CS18	Solid	10/08/2014 1420	10/11/2014 0933
680-106200-9	CV0005AA-CS24	Solid	10/08/2014 1430	10/11/2014 0933
680-106200-10	CV0005BB-CS6	Solid	10/08/2014 1230	10/11/2014 0933
680-106200-11	CV0005BB-CS12	Solid	10/08/2014 1240	10/11/2014 0933
680-106200-12	CV0005BB-CS18	Solid	10/08/2014 1250	10/11/2014 0933
680-106200-13	CV0005BB-CS24	Solid	10/08/2014 1300	10/11/2014 0933
680-106200-14	CV0005E-CS6	Solid	10/08/2014 0920	10/11/2014 0933
680-106200-15	CV0005E-CS12	Solid	10/08/2014 0930	10/11/2014 0933
680-106200-16	CV0005E-CS18	Solid	10/08/2014 0940	10/11/2014 0933
680-106200-17	CV0005E-CS24	Solid	10/08/2014 0950	10/11/2014 0933

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-1
Sdg Number: 680-106200-01

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

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-1
Sdg Number: 680-106200-01

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: 680-106200-1
Sdg Number: 680-106200-01

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

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-1
Sdg Number: 680-106200-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 680-353328					
LCS 680-353328/22-A	Lab Control Sample	T	Solid	3546	
MB 680-353328/21-A	Method Blank	T	Solid	3546	
680-106200-1	CV0005Y-CS6	T	Solid	3546	
680-106200-1MS	Matrix Spike	T	Solid	3546	
680-106200-1MSD	Matrix Spike Duplicate	T	Solid	3546	
680-106200-2	CV0005Y-CSD6	T	Solid	3546	
680-106200-3	CV0005Y-CS12	T	Solid	3546	
680-106200-4	CV0005Y-CS18	T	Solid	3546	
680-106200-5	CV0005Y-CS24	T	Solid	3546	
680-106200-6	CV0005AA-CS6	T	Solid	3546	
680-106200-7	CV0005AA-CS12	T	Solid	3546	
680-106200-8	CV0005AA-CS18	T	Solid	3546	
680-106200-9	CV0005AA-CS24	T	Solid	3546	
680-106200-10	CV0005BB-CS6	T	Solid	3546	
680-106200-11	CV0005BB-CS12	T	Solid	3546	
680-106200-12	CV0005BB-CS18	T	Solid	3546	
680-106200-13	CV0005BB-CS24	T	Solid	3546	
680-106200-14	CV0005E-CS6	T	Solid	3546	
680-106200-15	CV0005E-CS12	T	Solid	3546	
680-106200-16	CV0005E-CS18	T	Solid	3546	
680-106200-17	CV0005E-CS24	T	Solid	3546	
Analysis Batch:680-353689					
LCS 680-353328/22-A	Lab Control Sample	T	Solid	8270D_LL_PAH	680-353328
MB 680-353328/21-A	Method Blank	T	Solid	8270D_LL_PAH	680-353328
680-106200-1	CV0005Y-CS6	T	Solid	8270D_LL_PAH	680-353328
680-106200-1MS	Matrix Spike	T	Solid	8270D_LL_PAH	680-353328
680-106200-1MSD	Matrix Spike Duplicate	T	Solid	8270D_LL_PAH	680-353328
680-106200-2	CV0005Y-CSD6	T	Solid	8270D_LL_PAH	680-353328
680-106200-3	CV0005Y-CS12	T	Solid	8270D_LL_PAH	680-353328
680-106200-4	CV0005Y-CS18	T	Solid	8270D_LL_PAH	680-353328
680-106200-5	CV0005Y-CS24	T	Solid	8270D_LL_PAH	680-353328
680-106200-6	CV0005AA-CS6	T	Solid	8270D_LL_PAH	680-353328
680-106200-7	CV0005AA-CS12	T	Solid	8270D_LL_PAH	680-353328
680-106200-8	CV0005AA-CS18	T	Solid	8270D_LL_PAH	680-353328
680-106200-9	CV0005AA-CS24	T	Solid	8270D_LL_PAH	680-353328
680-106200-10	CV0005BB-CS6	T	Solid	8270D_LL_PAH	680-353328
680-106200-11	CV0005BB-CS12	T	Solid	8270D_LL_PAH	680-353328
680-106200-12	CV0005BB-CS18	T	Solid	8270D_LL_PAH	680-353328
680-106200-13	CV0005BB-CS24	T	Solid	8270D_LL_PAH	680-353328
680-106200-14	CV0005E-CS6	T	Solid	8270D_LL_PAH	680-353328
680-106200-15	CV0005E-CS12	T	Solid	8270D_LL_PAH	680-353328
680-106200-17	CV0005E-CS24	T	Solid	8270D_LL_PAH	680-353328

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-1
Sdg Number: 680-106200-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:680-353862					
680-106200-16	CV0005E-CS18	T	Solid	8270D_LL_PAH	680-353328

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-1
Sdg Number: 680-106200-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
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	
680-106200-6	CV0005AA-CS6	T	Solid	3050B	
680-106200-9	CV0005AA-CS24	T	Solid	3050B	
680-106200-12	CV0005BB-CS18	T	Solid	3050B	
680-106200-14	CV0005E-CS6	T	Solid	3050B	
680-106200-15	CV0005E-CS12	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	
680-106200-1	CV0005Y-CS6	T	Solid	3050B	
680-106200-1MS	Matrix Spike	T	Solid	3050B	
680-106200-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-106200-2	CV0005Y-CSD6	T	Solid	3050B	
680-106200-3	CV0005Y-CS12	T	Solid	3050B	
680-106200-4	CV0005Y-CS18	T	Solid	3050B	
680-106200-5	CV0005Y-CS24	T	Solid	3050B	
680-106200-8	CV0005AA-CS18	T	Solid	3050B	
680-106200-11	CV0005BB-CS12	T	Solid	3050B	
680-106200-17	CV0005E-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	
680-106200-7	CV0005AA-CS12	T	Solid	3050B	
680-106200-10	CV0005BB-CS6	T	Solid	3050B	
680-106200-13	CV0005BB-CS24	T	Solid	3050B	
680-106200-16	CV0005E-CS18	T	Solid	3050B	
680-106200-B-18-B MS	Matrix Spike	T	Solid	3050B	
680-106200-B-18-C MSD	Matrix Spike Duplicate	T	Solid	3050B	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-1
Sdg Number: 680-106200-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-353949					
LCS 680-353262/2-A	Lab Control Sample	T	Solid	6010C	680-353262
MB 680-353262/1-A	Method Blank	T	Solid	6010C	680-353262
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
680-106200-6	CV0005AA-CS6	T	Solid	6010C	680-353262
680-106200-7	CV0005AA-CS12	T	Solid	6010C	680-353346
680-106200-9	CV0005AA-CS24	T	Solid	6010C	680-353262
680-106200-10	CV0005BB-CS6	T	Solid	6010C	680-353346
680-106200-12	CV0005BB-CS18	T	Solid	6010C	680-353262
680-106200-13	CV0005BB-CS24	T	Solid	6010C	680-353346
680-106200-14	CV0005E-CS6	T	Solid	6010C	680-353262
680-106200-15	CV0005E-CS12	T	Solid	6010C	680-353262
680-106200-16	CV0005E-CS18	T	Solid	6010C	680-353346
680-106200-B-18-B MS	Matrix Spike	T	Solid	6010C	680-353346
680-106200-B-18-C MSD	Matrix Spike Duplicate	T	Solid	6010C	680-353346
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
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
680-106200-1	CV0005Y-CS6	T	Solid	6010C	680-353312
680-106200-1MS	Matrix Spike	T	Solid	6010C	680-353312
680-106200-1MSD	Matrix Spike Duplicate	T	Solid	6010C	680-353312
680-106200-2	CV0005Y-CSD6	T	Solid	6010C	680-353312
680-106200-3	CV0005Y-CS12	T	Solid	6010C	680-353312
680-106200-4	CV0005Y-CS18	T	Solid	6010C	680-353312
680-106200-5	CV0005Y-CS24	T	Solid	6010C	680-353312
680-106200-8	CV0005AA-CS18	T	Solid	6010C	680-353312
680-106200-11	CV0005BB-CS12	T	Solid	6010C	680-353312
680-106200-17	CV0005E-CS24	T	Solid	6010C	680-353312
Analysis Batch:680-354509					
680-106200-1	CV0005Y-CS6	T	Solid	6010C	680-353312
680-106200-1MS	Matrix Spike	T	Solid	6010C	680-353312
680-106200-1MSD	Matrix Spike Duplicate	T	Solid	6010C	680-353312
680-106200-11	CV0005BB-CS12	T	Solid	6010C	680-353312

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-1
Sdg Number: 680-106200-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-353217					
680-106200-1	CV0005Y-CS6	T	Solid	Moisture	
680-106200-1MS	Matrix Spike	T	Solid	Moisture	
680-106200-1MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-106200-2	CV0005Y-CSD6	T	Solid	Moisture	
680-106200-3	CV0005Y-CS12	T	Solid	Moisture	
680-106200-4	CV0005Y-CS18	T	Solid	Moisture	
680-106200-5	CV0005Y-CS24	T	Solid	Moisture	
680-106200-6	CV0005AA-CS6	T	Solid	Moisture	
680-106200-7	CV0005AA-CS12	T	Solid	Moisture	
680-106200-8	CV0005AA-CS18	T	Solid	Moisture	
680-106200-9	CV0005AA-CS24	T	Solid	Moisture	
680-106200-10	CV0005BB-CS6	T	Solid	Moisture	
680-106200-11	CV0005BB-CS12	T	Solid	Moisture	
680-106200-12	CV0005BB-CS18	T	Solid	Moisture	
680-106200-13	CV0005BB-CS24	T	Solid	Moisture	
680-106200-14	CV0005E-CS6	T	Solid	Moisture	
680-106200-15	CV0005E-CS12	T	Solid	Moisture	
680-106200-16	CV0005E-CS18	T	Solid	Moisture	
680-106200-17	CV0005E-CS24	T	Solid	Moisture	

Report Basis
T = Total

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

Instrument ID: CMSY Analysis Batch Number: 353689

Lab Sample ID: 680-106200-1 Client Sample ID: CV0005Y-CS6

Date Analyzed: 10/15/14 16:27 Lab File ID: 2YJ1511.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.05	Split Peak	webbk	10/15/14 16:51

Lab Sample ID: 680-106200-2 Client Sample ID: CV0005Y-CSD6

Date Analyzed: 10/15/14 16:49 Lab File ID: 2YJ1512.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.04	Split Peak	webbk	10/15/14 17:17

Lab Sample ID: 680-106200-6 Client Sample ID: CV0005AA-CS6

Date Analyzed: 10/15/14 18:18 Lab File ID: 2YJ1516.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.04	Split Peak	webbk	10/16/14 08:13

Lab Sample ID: 680-106200-7 Client Sample ID: CV0005AA-CS12

Date Analyzed: 10/15/14 18:40 Lab File ID: 2YJ1517.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.05	Split Peak	webbk	10/16/14 08:14

Lab Sample ID: 680-106200-8 Client Sample ID: CV0005AA-CS18

Date Analyzed: 10/15/14 19:02 Lab File ID: 2YJ1518.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.04	Split Peak	webbk	10/16/14 08:15

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

Instrument ID: CMSY Analysis Batch Number: 353689

Lab Sample ID: 680-106200-10 Client Sample ID: CV0005BB-CS6

Date Analyzed: 10/15/14 19:47 Lab File ID: 2YJ1520.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.05	Split Peak	webbk	10/16/14 08:17

Lab Sample ID: 680-106200-11 Client Sample ID: CV0005BB-CS12

Date Analyzed: 10/15/14 20:09 Lab File ID: 2YJ1521.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.02	Split Peak	webbk	10/16/14 08:19
Benzo[k]fluoranthene	10.04	Split Peak	webbk	10/16/14 08:19

Lab Sample ID: 680-106200-12 Client Sample ID: CV0005BB-CS18

Date Analyzed: 10/15/14 20:31 Lab File ID: 2YJ1522.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.05	Split Peak	webbk	10/16/14 08:20

Lab Sample ID: 680-106200-13 Client Sample ID: CV0005BB-CS24

Date Analyzed: 10/15/14 20:53 Lab File ID: 2YJ1523.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.04	Split Peak	webbk	10/16/14 08:21

Lab Sample ID: 680-106200-14 Client Sample ID: CV0005E-CS6

Date Analyzed: 10/15/14 21:15 Lab File ID: 2YJ1524.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.04	Split Peak	webbk	10/16/14 08:24
Benzo[k]fluoranthene	10.06	Split Peak	webbk	10/16/14 08:24

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

Instrument ID: CMSY Analysis Batch Number: 353689

Lab Sample ID: 680-106200-15 Client Sample ID: CV0005E-CS12

Date Analyzed: 10/15/14 21:38 Lab File ID: 2YJ1525.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.03	Split Peak	webbk	10/16/14 08:27
Benzo[k]fluoranthene	10.06	Split Peak	webbk	10/16/14 08:27

Lab Sample ID: 680-106200-17 Client Sample ID: CV0005E-CS24

Date Analyzed: 10/15/14 22:22 Lab File ID: 2YJ1527.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.06	Split Peak	webbk	10/16/14 08:28

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

Instrument ID: CMSY Analysis Batch Number: 353862

Lab Sample ID: 680-106200-16 Client Sample ID: CV0005E-CS18

Date Analyzed: 10/16/14 10:46 Lab File ID: 1YJ1605.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 11:47

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.: 680-106200-1

SDG No.: 680-106200-01

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	OTPH	#
CV0005Y-CS6	680-106200-1	0	D
CV0005Y-CSD6	680-106200-2	0	D
CV0005Y-CS12	680-106200-3	0	D
CV0005Y-CS18	680-106200-4	0	D
CV0005Y-CS24	680-106200-5	0	D
CV0005AA-CS6	680-106200-6	0	D
CV0005AA-CS12	680-106200-7	0	D
CV0005AA-CS18	680-106200-8	0	D
CV0005AA-CS24	680-106200-9	0	D
CV0005BB-CS6	680-106200-10	0	D
CV0005BB-CS12	680-106200-11	0	D
CV0005BB-CS18	680-106200-12	0	D
CV0005BB-CS24	680-106200-13	0	D
CV0005E-CS6	680-106200-14	0	D
CV0005E-CS12	680-106200-15	0	D
CV0005E-CS18	680-106200-16	0	D
CV0005E-CS24	680-106200-17	0	D
	MB 680-353328/21-A	95	
	LCS 680-353328/22-A	88	
CV0005Y-CS6 MS	680-106200-1 MS	0	D
CV0005Y-CS6 MSD	680-106200-1 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.: 680-106200-1

SDG No.: 680-106200-01

Matrix: Solid Level: Low Lab File ID: 2YJ1508.D

Lab ID: LCS 680-353328/22-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	333	230	69	33-130	
Acenaphthylene	333	225	68	37-131	
Anthracene	333	251	75	42-146	
Benzo[a]anthracene	333	274	82	39-157	
Benzo[a]pyrene	333	287	86	41-158	
Benzo[b]fluoranthene	333	301	90	35-152	
Benzo[g,h,i]perylene	333	291	87	32-150	
Benzo[k]fluoranthene	333	268	81	38-148	
Chrysene	333	297	89	38-147	
Dibenz(a,h)anthracene	333	297	89	32-155	
Fluoranthene	333	266	80	36-147	
Fluorene	333	231	69	36-138	
Indeno[1,2,3-cd]pyrene	333	280	84	35-148	
1-Methylnaphthalene	333	209	63	36-130	
2-Methylnaphthalene	333	209	63	42-130	
Naphthalene	333	203	61	33-130	
Phenanthrene	333	251	75	40-135	
Pyrene	333	265	80	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.: 680-106200-1

SDG No.: 680-106200-01

Matrix: Solid Level: Low Lab File ID: 2YJ1509.D

Lab ID: 680-106200-1 MS Client ID: CV0005Y-CS6 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	364	150 U	277	76	33-130	
Acenaphthylene	364	150 U	250	69	37-131	
Anthracene	364	160	319	43	42-146	
Benzo[a]anthracene	364	650	717	18	39-157	F1
Benzo[a]pyrene	364	630	736	28	41-158	F1
Benzo[b]fluoranthene	364	990	956	-9	35-152	F1
Benzo[g,h,i]perylene	364	430	558	36	32-150	
Benzo[k]fluoranthene	364	430	618	52	38-148	
Chrysene	364	860	880	6	38-147	F1
Dibenz(a,h)anthracene	364	210	358	41	32-155	
Fluoranthene	364	1200	1080	-25	36-147	F1
Fluorene	364	150 U	266	73	36-138	
Indeno[1,2,3-cd]pyrene	364	350	524	47	35-148	
1-Methylnaphthalene	364	190	590	108	36-130	
2-Methylnaphthalene	364	210	640	117	42-130	
Naphthalene	364	140 J	499	100	33-130	
Phenanthrene	364	810	901	25	40-135	F1
Pyrene	364	1200	1050	-40	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.: 680-106200-1

SDG No.: 680-106200-01

Matrix: Solid Level: Low Lab File ID: 2YJ1510.D

Lab ID: 680-106200-1 MSD Client ID: CV0005Y-CS6 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	365	302	83	9	50	33-130	
Acenaphthylene	365	295	81	17	50	37-131	
Anthracene	365	350	51	9	50	42-146	
Benzo[a]anthracene	365	767	32	7	50	39-157	F1
Benzo[a]pyrene	365	798	45	8	50	41-158	
Benzo[b]fluoranthene	365	1190	56	22	50	35-152	
Benzo[g,h,i]perylene	365	595	46	6	50	32-150	
Benzo[k]fluoranthene	365	585	43	6	50	38-148	
Chrysene	365	1000	39	13	50	38-147	
Dibenz(a,h)anthracene	365	411	55	14	50	32-155	
Fluoranthene	365	1130	-11	4	50	36-147	F1
Fluorene	365	301	82	12	50	36-138	
Indeno[1,2,3-cd]pyrene	365	552	54	5	50	35-148	
1-Methylnaphthalene	365	463	73	24	50	36-130	
2-Methylnaphthalene	365	466	69	32	50	42-130	
Naphthalene	365	400	72	22	50	33-130	
Phenanthrene	365	855	13	5	50	40-135	F1
Pyrene	365	1150	-13	9	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.: 680-106200-1

SDG No.: 680-106200-01

Lab File ID: 2YJ1507.D Lab Sample ID: MB 680-353328/21-A

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

Instrument ID: CMSY Date Analyzed: 10/15/2014 14:59

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-353328/22-A	2YJ1508.D	10/15/2014 15:21
CV0005Y-CS6 MS	680-106200-1 MS	2YJ1509.D	10/15/2014 15:43
CV0005Y-CS6 MSD	680-106200-1 MSD	2YJ1510.D	10/15/2014 16:05
CV0005Y-CS6	680-106200-1	2YJ1511.D	10/15/2014 16:27
CV0005Y-CSD6	680-106200-2	2YJ1512.D	10/15/2014 16:49
CV0005Y-CS12	680-106200-3	2YJ1513.D	10/15/2014 17:12
CV0005Y-CS18	680-106200-4	2YJ1514.D	10/15/2014 17:34
CV0005Y-CS24	680-106200-5	2YJ1515.D	10/15/2014 17:56
CV0005AA-CS6	680-106200-6	2YJ1516.D	10/15/2014 18:18
CV0005AA-CS12	680-106200-7	2YJ1517.D	10/15/2014 18:40
CV0005AA-CS18	680-106200-8	2YJ1518.D	10/15/2014 19:02
CV0005AA-CS24	680-106200-9	2YJ1519.D	10/15/2014 19:24
CV0005BB-CS6	680-106200-10	2YJ1520.D	10/15/2014 19:47
CV0005BB-CS12	680-106200-11	2YJ1521.D	10/15/2014 20:09
CV0005BB-CS18	680-106200-12	2YJ1522.D	10/15/2014 20:31
CV0005BB-CS24	680-106200-13	2YJ1523.D	10/15/2014 20:53
CV0005E-CS6	680-106200-14	2YJ1524.D	10/15/2014 21:15
CV0005E-CS12	680-106200-15	2YJ1525.D	10/15/2014 21:38
CV0005E-CS24	680-106200-17	2YJ1527.D	10/15/2014 22:22
CV0005E-CS18	680-106200-16	1YJ1605.D	10/16/2014 10:46

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

Lab File ID: 2YJ1503.D DFTPP Injection Date: 10/15/2014

Instrument ID: CMSY DFTPP Injection Time: 12:48

Analysis Batch No.: 353689

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	13.5	
68	Less than 2.0 % of mass 69	0.1	(0.6)1
69	Mass 69 relative abundance	18.9	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	10.0 - 80.0 % of mass 442	27.7	
197	Less than 2.0 % of mass 198	0.3	(0.4)2
198	Greater than 50.0 % of mass 442	60.9	
199	5.0 - 9.0 % of mass 198	4.2	(6.9)2
275	10.0 - 60.0 % of mass 442	16.4	
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 680-353689/4	2YJ1504.D	10/15/2014	13:05
	MB 680-353328/21-A	2YJ1507.D	10/15/2014	14:59
	LCS 680-353328/22-A	2YJ1508.D	10/15/2014	15:21
CV0005Y-CS6 MS	680-106200-1 MS	2YJ1509.D	10/15/2014	15:43
CV0005Y-CS6 MSD	680-106200-1 MSD	2YJ1510.D	10/15/2014	16:05
CV0005Y-CS6	680-106200-1	2YJ1511.D	10/15/2014	16:27
CV0005Y-CSD6	680-106200-2	2YJ1512.D	10/15/2014	16:49
CV0005Y-CS12	680-106200-3	2YJ1513.D	10/15/2014	17:12
CV0005Y-CS18	680-106200-4	2YJ1514.D	10/15/2014	17:34
CV0005Y-CS24	680-106200-5	2YJ1515.D	10/15/2014	17:56
CV0005AA-CS6	680-106200-6	2YJ1516.D	10/15/2014	18:18
CV0005AA-CS12	680-106200-7	2YJ1517.D	10/15/2014	18:40
CV0005AA-CS18	680-106200-8	2YJ1518.D	10/15/2014	19:02
CV0005AA-CS24	680-106200-9	2YJ1519.D	10/15/2014	19:24
CV0005BB-CS6	680-106200-10	2YJ1520.D	10/15/2014	19:47
CV0005BB-CS12	680-106200-11	2YJ1521.D	10/15/2014	20:09
CV0005BB-CS18	680-106200-12	2YJ1522.D	10/15/2014	20:31
CV0005BB-CS24	680-106200-13	2YJ1523.D	10/15/2014	20:53
CV0005E-CS6	680-106200-14	2YJ1524.D	10/15/2014	21:15
CV0005E-CS12	680-106200-15	2YJ1525.D	10/15/2014	21:38
CV0005E-CS24	680-106200-17	2YJ1527.D	10/15/2014	22:22

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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
CV0005E-CS18	680-106200-16	1YJ1605.D	10/16/2014	10:46

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

Sample No.: CCVIS 680-353689/4 Date Analyzed: 10/15/2014 13:05

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

Lab File ID (Standard): 2YJ1504.D Heated Purge: (Y/N) N

Calibration ID: 34899

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		129074	2.86	74842	4.55	127647	6.12
UPPER LIMIT		258148	3.36	149684	5.05	255294	6.62
LOWER LIMIT		64537	2.36	37421	4.05	63824	5.62
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-353328/21-A		130006	2.85	70711	4.55	113085	6.12
LCS 680-353328/22-A		130793	2.86	70983	4.55	114917	6.13
680-106200-1 MS	CV0005Y-CS6 MS	142460	2.86	78977	4.55	126352	6.12
680-106200-1 MSD	CV0005Y-CS6 MSD	145922	2.86	80639	4.55	130451	6.12
680-106200-1	CV0005Y-CS6	148180	2.86	81094	4.55	127762	6.12
680-106200-2	CV0005Y-CSD6	145867	2.86	81581	4.55	136563	6.12
680-106200-3	CV0005Y-CS12	145972	2.86	79328	4.55	121088	6.12
680-106200-4	CV0005Y-CS18	142369	2.86	78367	4.55	119572	6.12
680-106200-5	CV0005Y-CS24	152295	2.86	83671	4.55	128943	6.12
680-106200-6	CV0005AA-CS6	147816	2.86	79345	4.55	128587	6.12
680-106200-7	CV0005AA-CS12	133104	2.86	77334	4.55	130978	6.12
680-106200-8	CV0005AA-CS18	145624	2.86	80591	4.55	126636	6.13
680-106200-9	CV0005AA-CS24	146144	2.86	82590	4.55	127021	6.12
680-106200-10	CV0005BB-CS6	131168	2.86	73290	4.55	121953	6.12
680-106200-11	CV0005BB-CS12	143520	2.86	79049	4.55	134398	6.12
680-106200-12	CV0005BB-CS18	141836	2.86	80754	4.55	136129	6.12
680-106200-13	CV0005BB-CS24	149305	2.86	85293	4.55	141665	6.12
680-106200-14	CV0005E-CS6	152398	2.86	90120	4.55	156263	6.13
680-106200-15	CV0005E-CS12	146743	2.86	84005	4.55	137633	6.13
680-106200-17	CV0005E-CS24	142121	2.86	82949	4.56	135297	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.: 680-106200-1

SDG No.: 680-106200-01

Sample No.: CCVIS 680-353689/4 Date Analyzed: 10/15/2014 13:05

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

Lab File ID (Standard): 2YJ1504.D Heated Purge: (Y/N) N

Calibration ID: 34899

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		139055	9.00	133380	10.34		
UPPER LIMIT		278110	9.50	266760	10.84		
LOWER LIMIT		69528	8.50	66690	9.84		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-353328/21-A		106109	9.00	94859	10.36		
LCS 680-353328/22-A		118657	9.00	106080	10.35		
680-106200-1 MS	CV0005Y-CS6 MS	114143	9.00	104149	10.35		
680-106200-1 MSD	CV0005Y-CS6 MSD	116389	9.00	99590	10.35		
680-106200-1	CV0005Y-CS6	105345	9.00	87040	10.35		
680-106200-2	CV0005Y-CSD6	113645	9.00	92749	10.35		
680-106200-3	CV0005Y-CS12	96524	9.00	81563	10.35		
680-106200-4	CV0005Y-CS18	96208	9.00	81212	10.35		
680-106200-5	CV0005Y-CS24	106642	9.00	91558	10.35		
680-106200-6	CV0005AA-CS6	111481	9.00	92635	10.35		
680-106200-7	CV0005AA-CS12	130247	9.00	100457	10.35		
680-106200-8	CV0005AA-CS18	105821	9.00	84672	10.35		
680-106200-9	CV0005AA-CS24	102723	9.00	81864	10.34		
680-106200-10	CV0005BB-CS6	116660	9.00	91998	10.35		
680-106200-11	CV0005BB-CS12	111374	9.00	93896	10.35		
680-106200-12	CV0005BB-CS18	120710	9.00	99985	10.35		
680-106200-13	CV0005BB-CS24	117100	9.00	88204	10.35		
680-106200-14	CV0005E-CS6	146657	9.01	108755	10.36		
680-106200-15	CV0005E-CS12	123756	9.00	97389	10.35		
680-106200-17	CV0005E-CS24	110954	9.01	81945	10.36		

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.: 680-106200-1

SDG No.: 680-106200-01

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						
680-106200-16	CV0005E-CS18	122041	2.80	67031	4.49	108096	6.06

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

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

Column used to flag values outside QC limits

FORM VIII 8270D_LL_PAH

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

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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						
680-106200-16	CV0005E-CS18	95042	8.93	83655	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 I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005Y-CS6 | Lab Sample ID: 680-106200-1

Matrix: Solid | Lab File ID: 2YJ1511.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/09/2014 09:00

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

Sample wt/vol: 30.12(g) | Date Analyzed: 10/15/2014 16:27

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

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

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

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	73
208-96-8	Acenaphthylene	150	U	150	73
120-12-7	Anthracene	160		150	73
56-55-3	Benzo[a]anthracene	650		150	73
50-32-8	Benzo[a]pyrene	630		150	26
205-99-2	Benzo[b]fluoranthene	990		150	73
191-24-2	Benzo[g,h,i]perylene	430		150	73
207-08-9	Benzo[k]fluoranthene	430		150	44
218-01-9	Chrysene	860		150	73
53-70-3	Dibenz(a,h)anthracene	210		150	73
206-44-0	Fluoranthene	1200		150	73
86-73-7	Fluorene	150	U	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	350		150	73
90-12-0	1-Methylnaphthalene	190		150	68
91-57-6	2-Methylnaphthalene	210		150	73
91-20-3	Naphthalene	140	J	150	73
85-01-8	Phenanthrene	810		150	53
129-00-0	Pyrene	1200		150	73

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 16:27:30	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	106200-A-1-C 1:20				
Misc. Info.:	680-0013789-011				
Operator ID:	RM	Instrument ID:	CMSY		
Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m				
Limit Group:	8270D_LL_PAH				
Last Update:	16-Oct-2014 08:46:57	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: 15-Oct-2014 16:51:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.861	2.856	0.005	98	148180	2.00	
* 2 Acenaphthene-d10	164	4.552	4.546	0.006	92	81094	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	127762	2.00	
* 4 Chrysene-d12	240	9.002	8.996	0.006	99	105345	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	87040	2.00	
7 Naphthalene	128	2.877	2.877	0.000	99	15008	0.1857	
8 2-Methylnaphthalene	142	3.519	3.514	0.005	87	15577	0.2906	
9 1-Methylnaphthalene	142	3.610	3.605	0.005	92	13215	0.2659	
10 1,1'-Biphenyl	154	4.402	4.396	0.006	0	49	NC	
11 Acenaphthylene	152	4.402	4.396	0.006	83	4811	0.0612	
12 Acenaphthene	153	4.584	4.584	0.000	95	4211	0.0834	
14 Fluorene	166	5.129	5.129	0.000	95	4574	0.0821	
15 Phenanthrene	178	6.151	6.151	0.000	96	84366	1.10	
16 Anthracene	178	6.204	6.204	0.000	98	16773	0.2206	
17 Fluoranthene	202	7.445	7.445	0.000	98	129656	1.60	
18 Pyrene	202	7.681	7.680	0.001	98	112080	1.63	
19 Benzo[a]anthracene	228	8.991	8.991	0.000	97	54732	0.8884	
20 Chrysene	228	9.023	9.023	0.000	99	68561	1.17	
21 Benzo[b]fluoranthene	252	10.023	10.023	0.000	98	77218	1.35	
22 Benzo[k]fluoranthene	252	10.045	10.050	-0.005	99	32470	0.5847	M
23 Benzo[a]pyrene	252	10.301	10.296	0.005	98	40623	0.8627	
24 Indeno[1,2,3-cd]pyrene	276	11.205	11.200	0.005	99	27882	0.4821	
25 Dibenz(a,h)anthracene	278	11.227	11.227	0.000	97	11712	0.2846	
26 Benzo[g,h,i]perylene	276	11.425	11.424	0.001	98	25095	0.5846	

QC Flag Legend

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

Reagents:

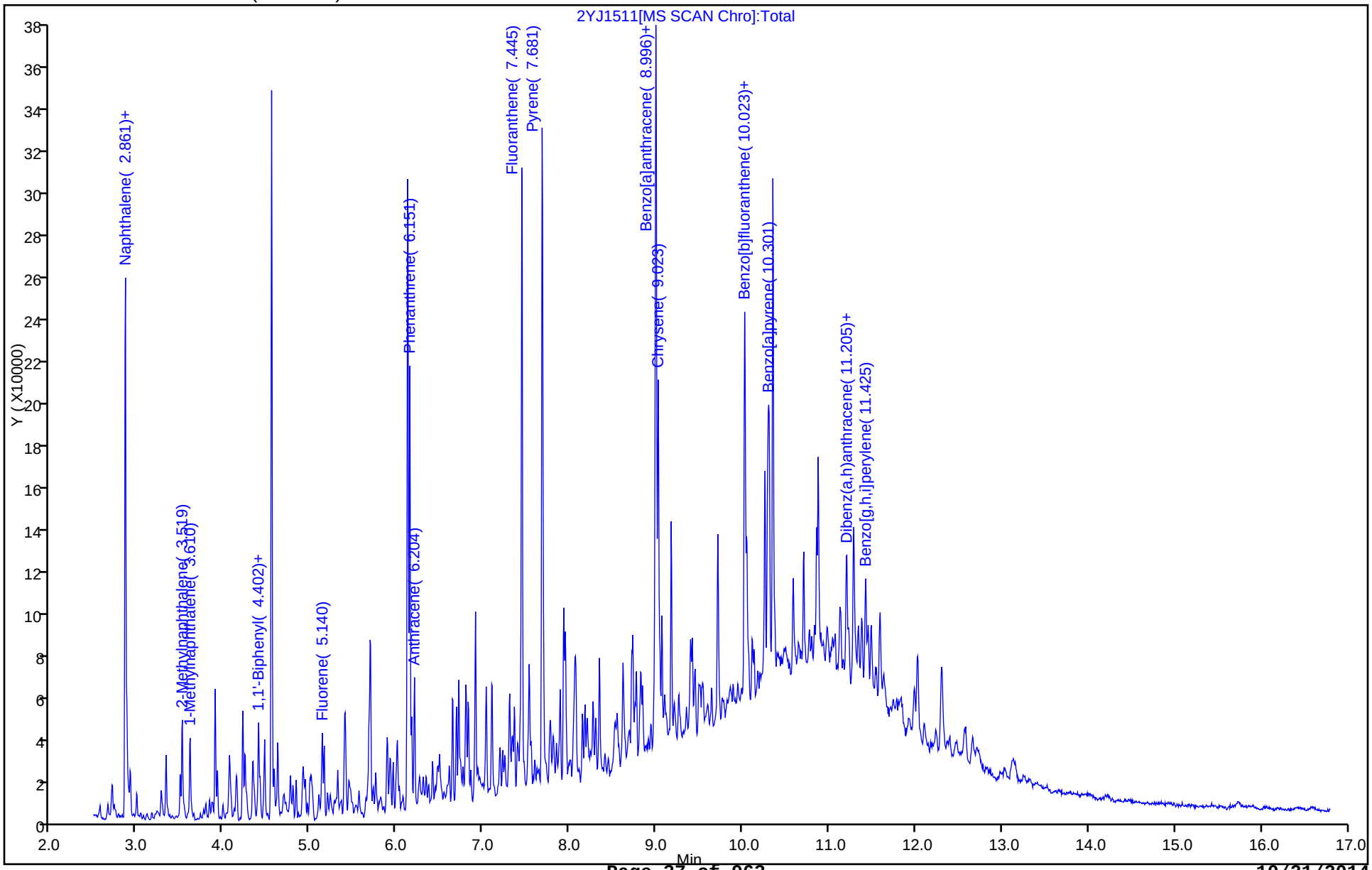
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1	Worklist Smp#:	11
Client ID:	CV0005Y-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	9
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

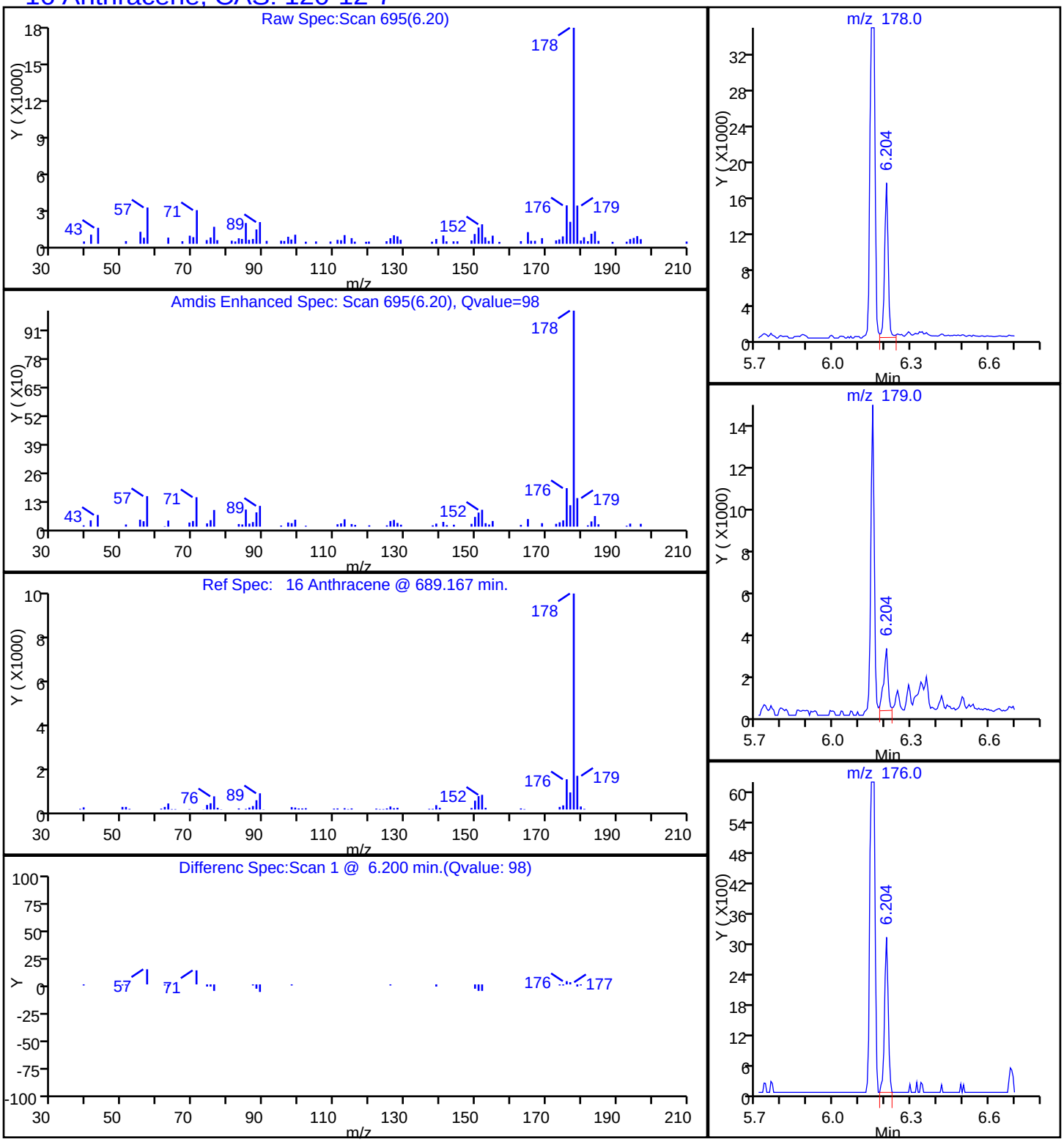


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

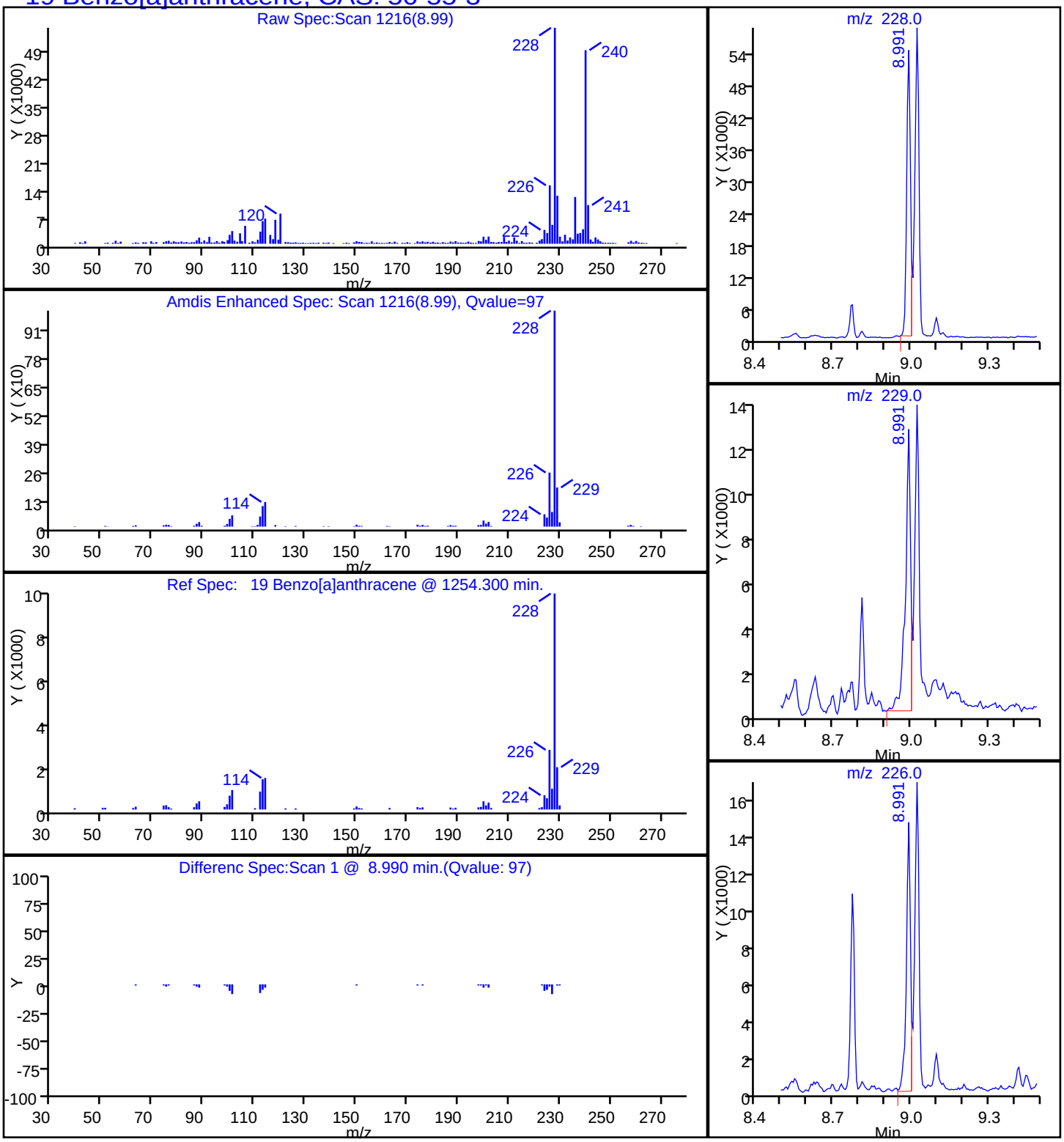


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

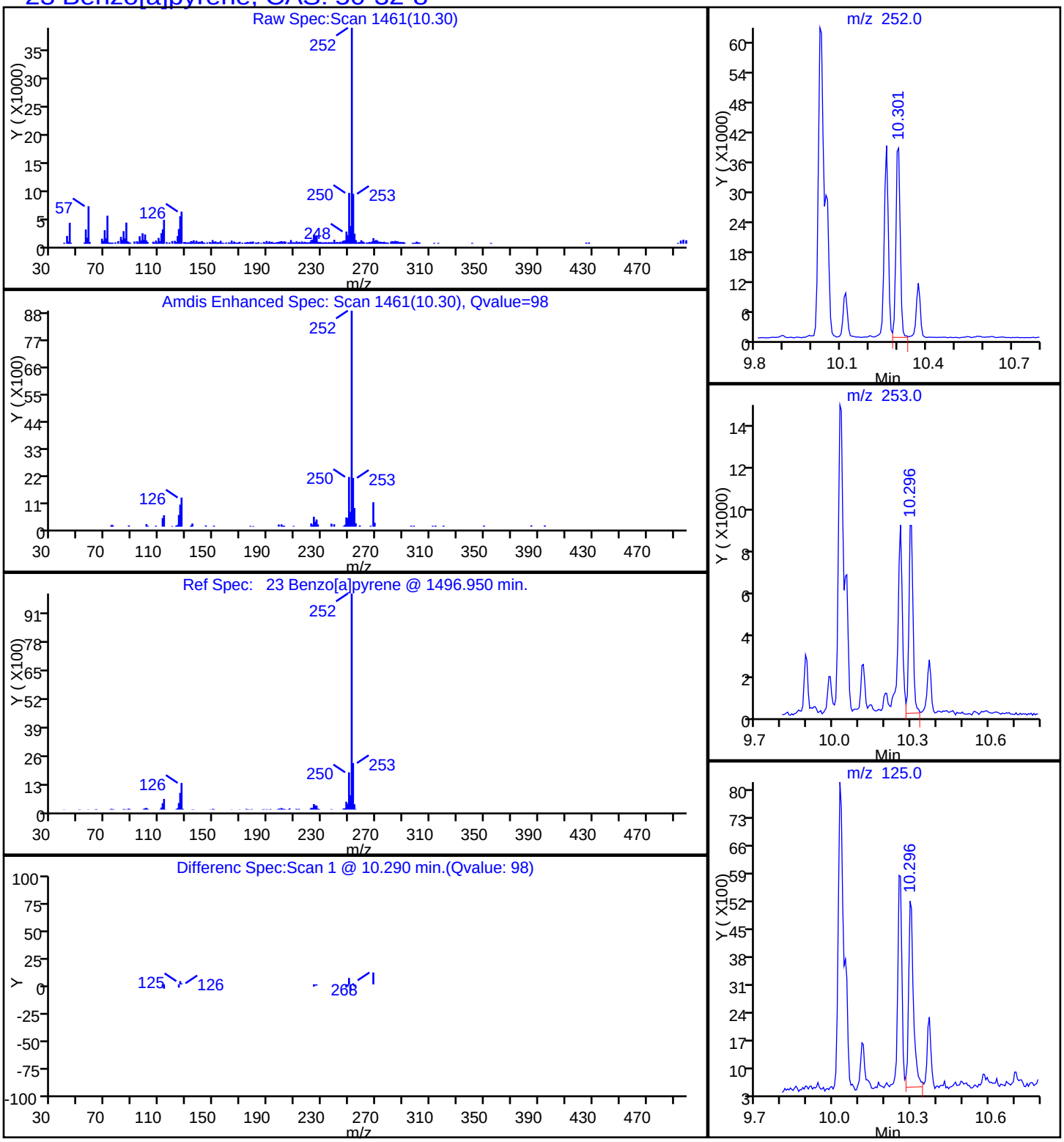


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

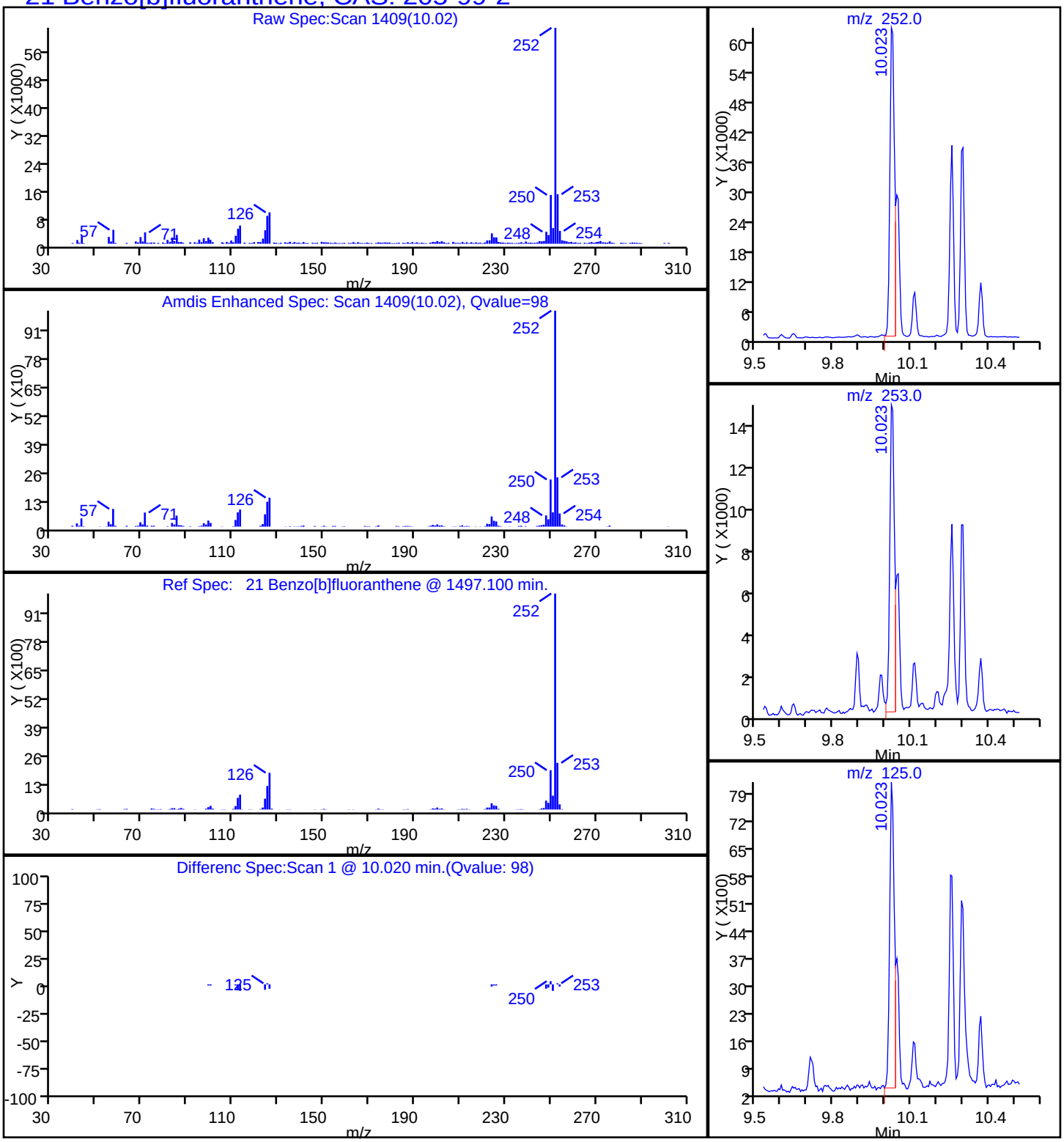


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

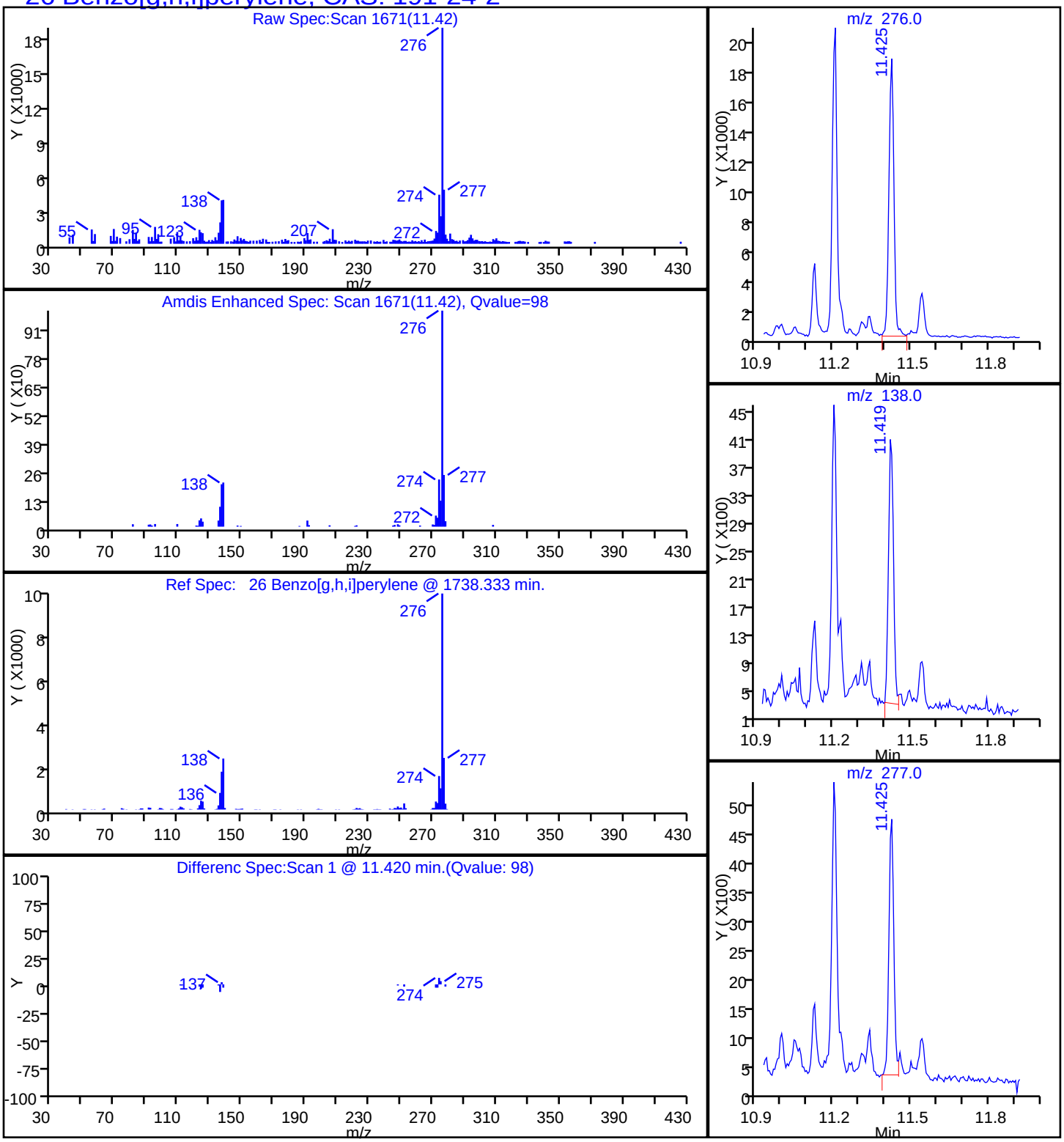


Report Date: 16-Oct-2014 08:47:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

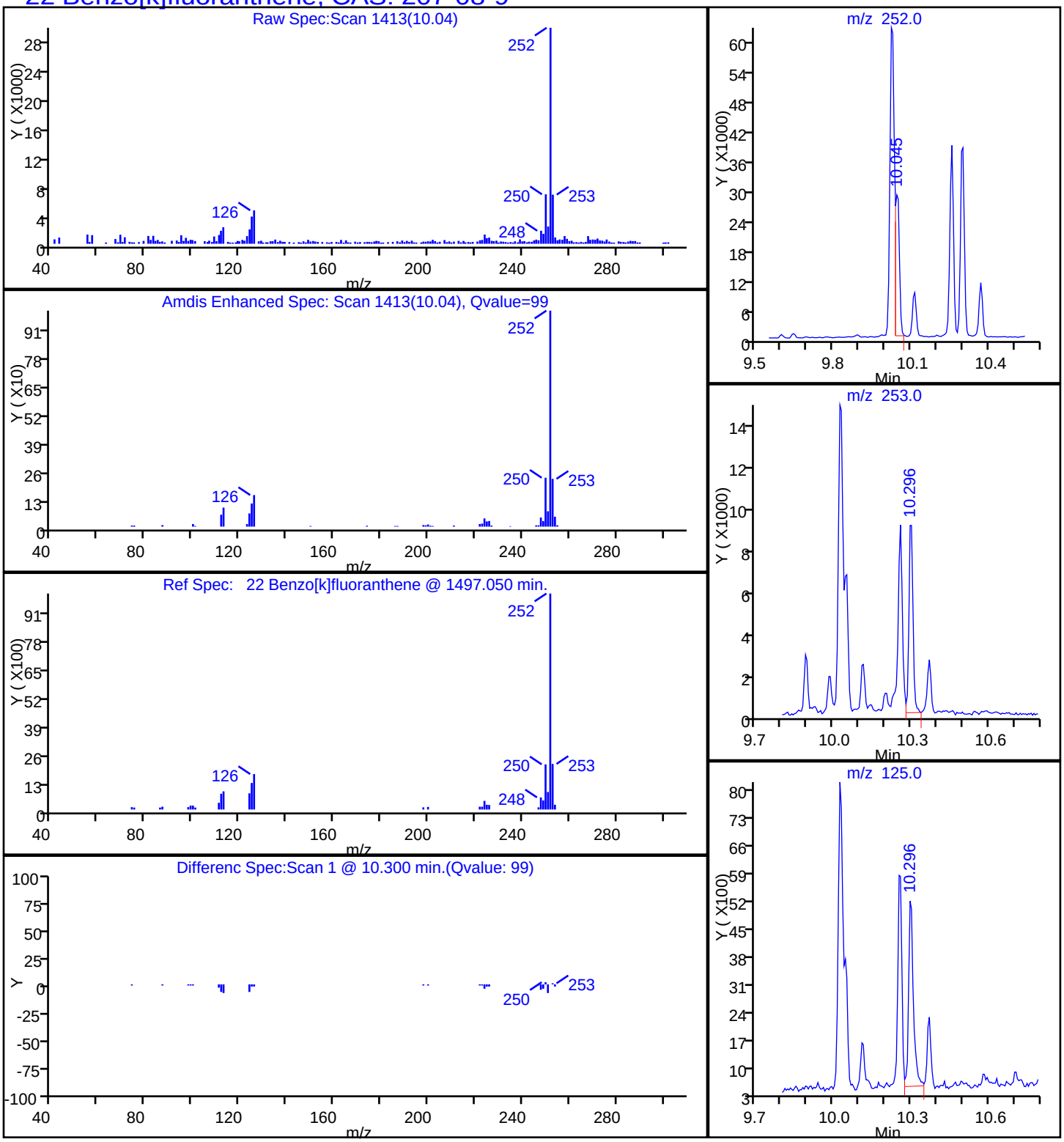


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

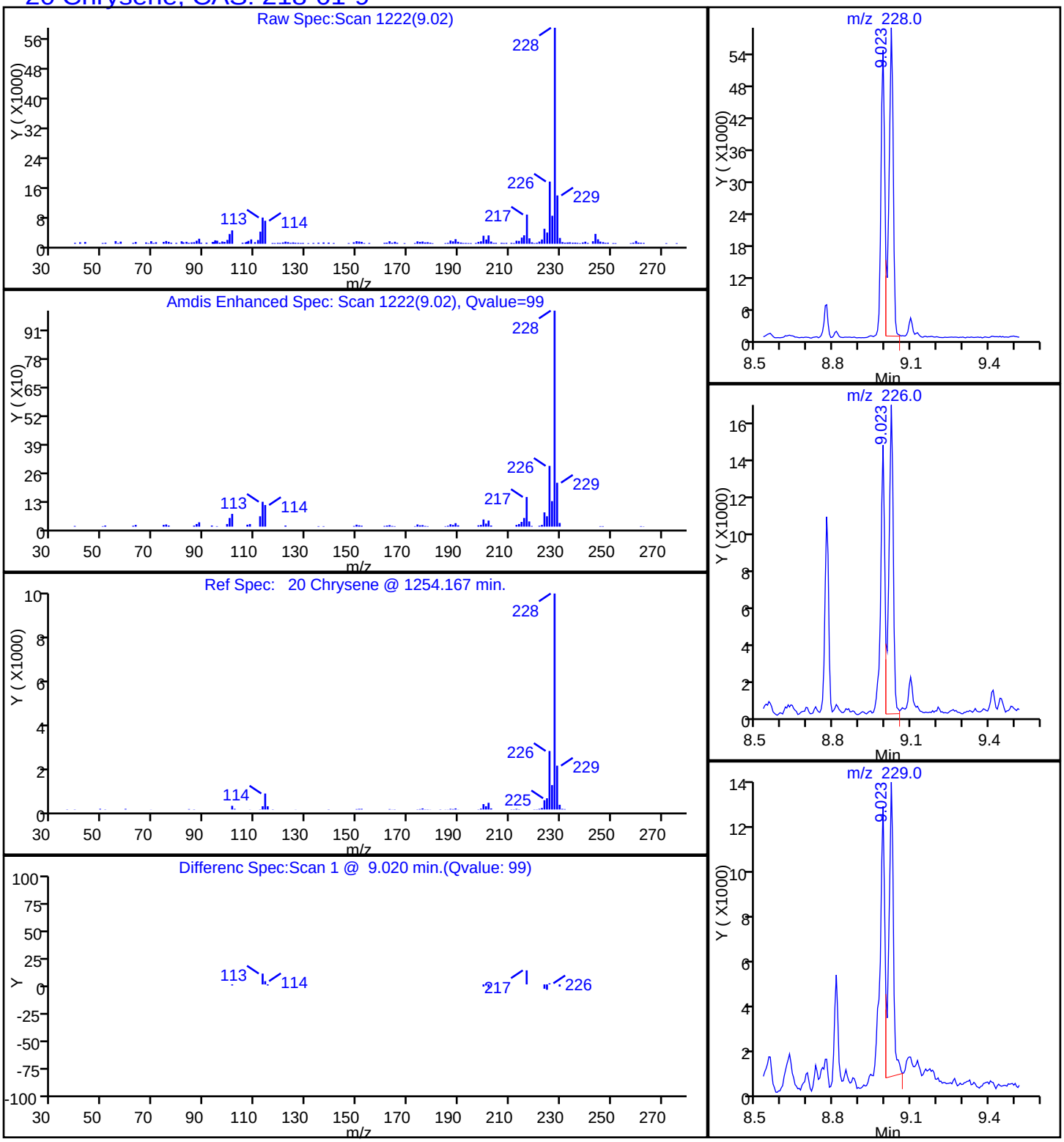


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

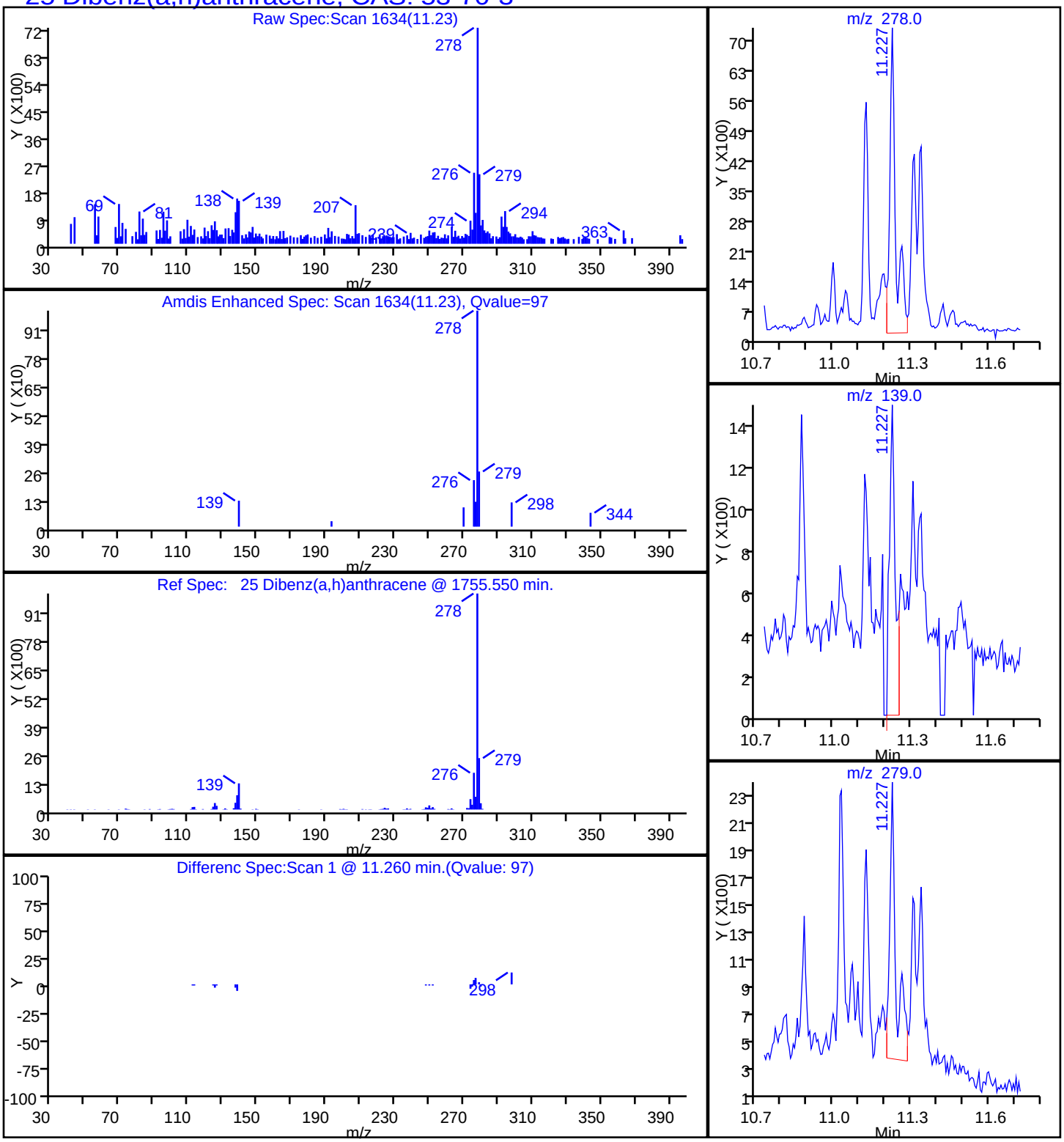


Report Date: 16-Oct-2014 08:47:11 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

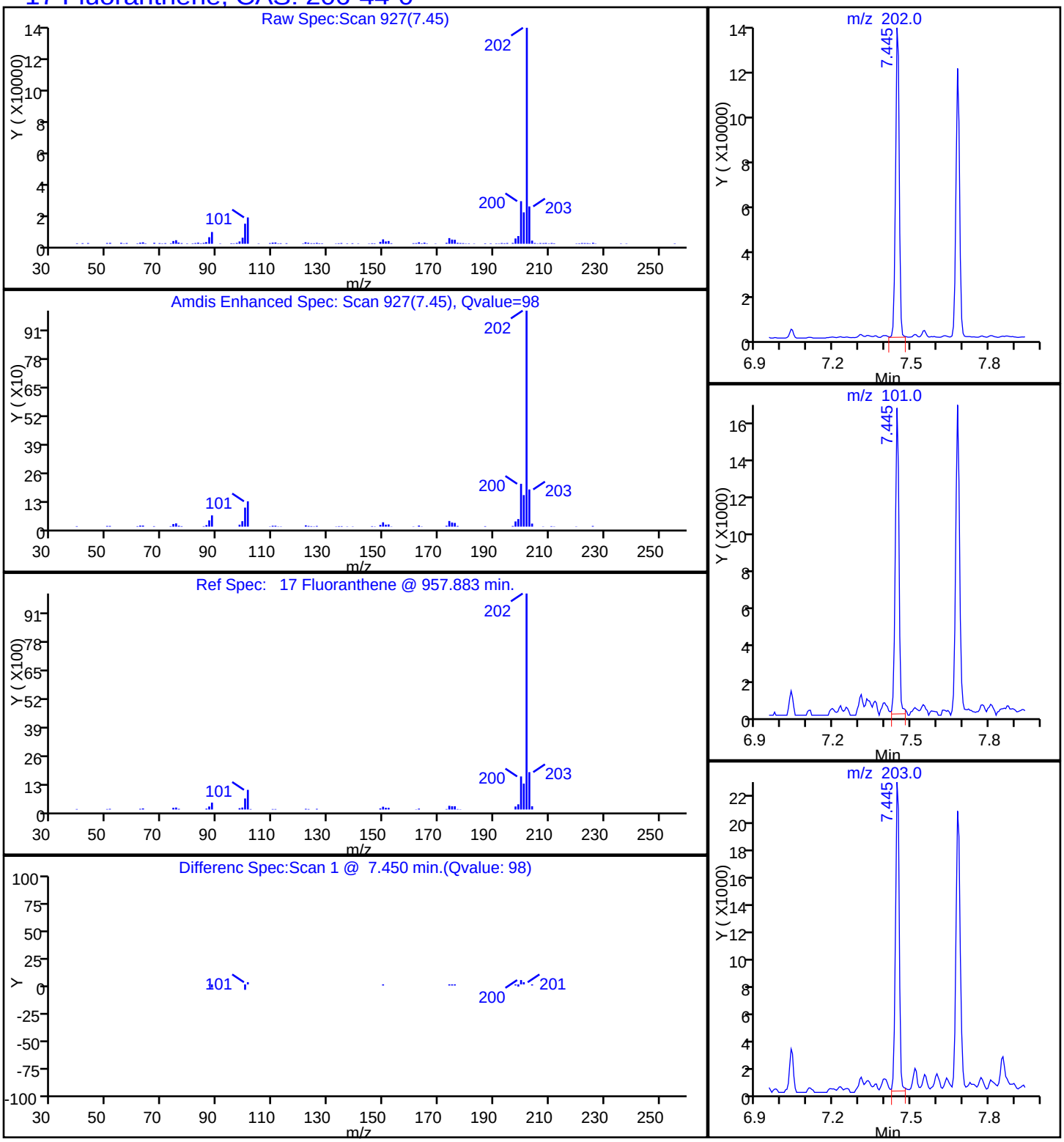


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

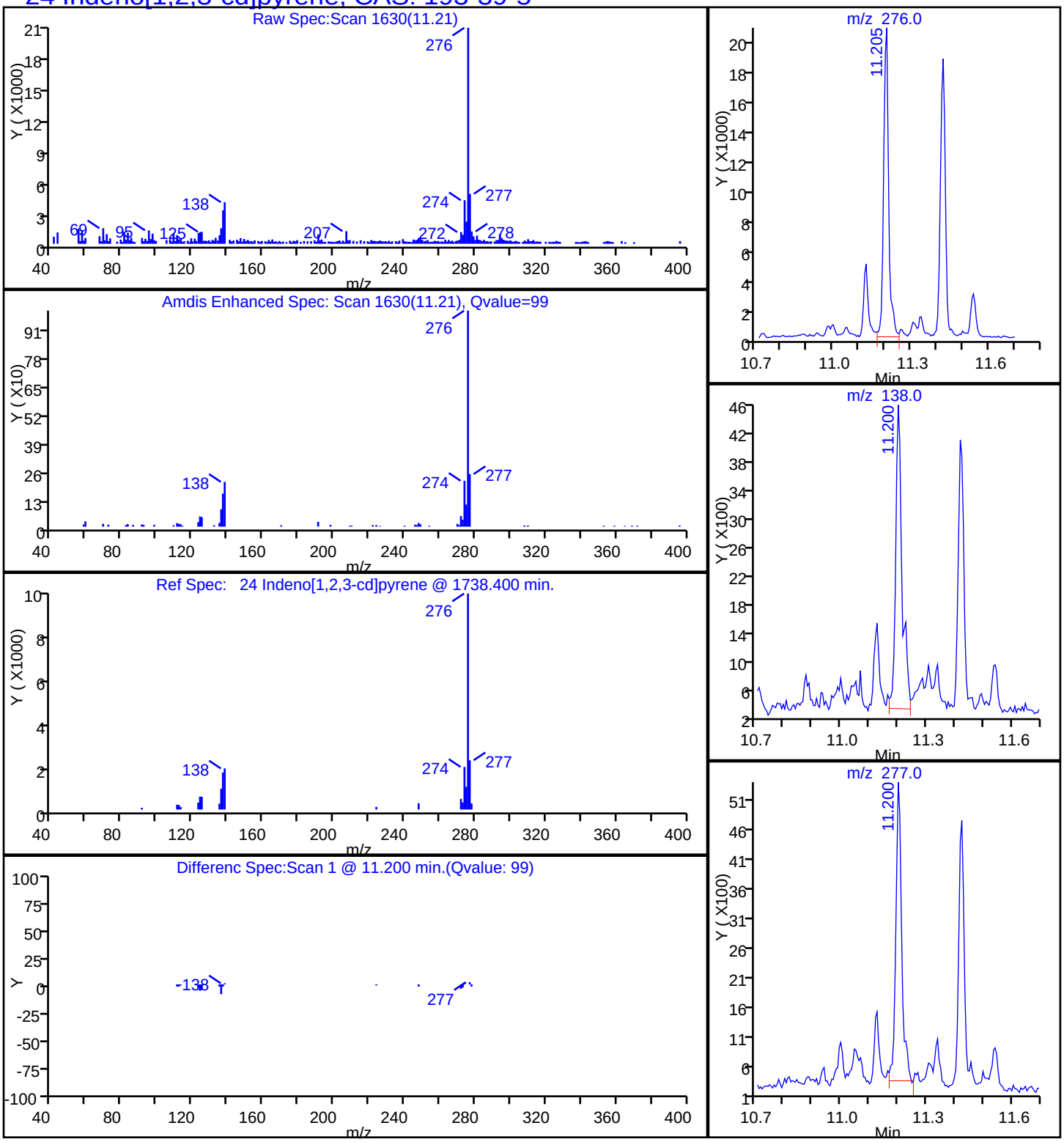


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

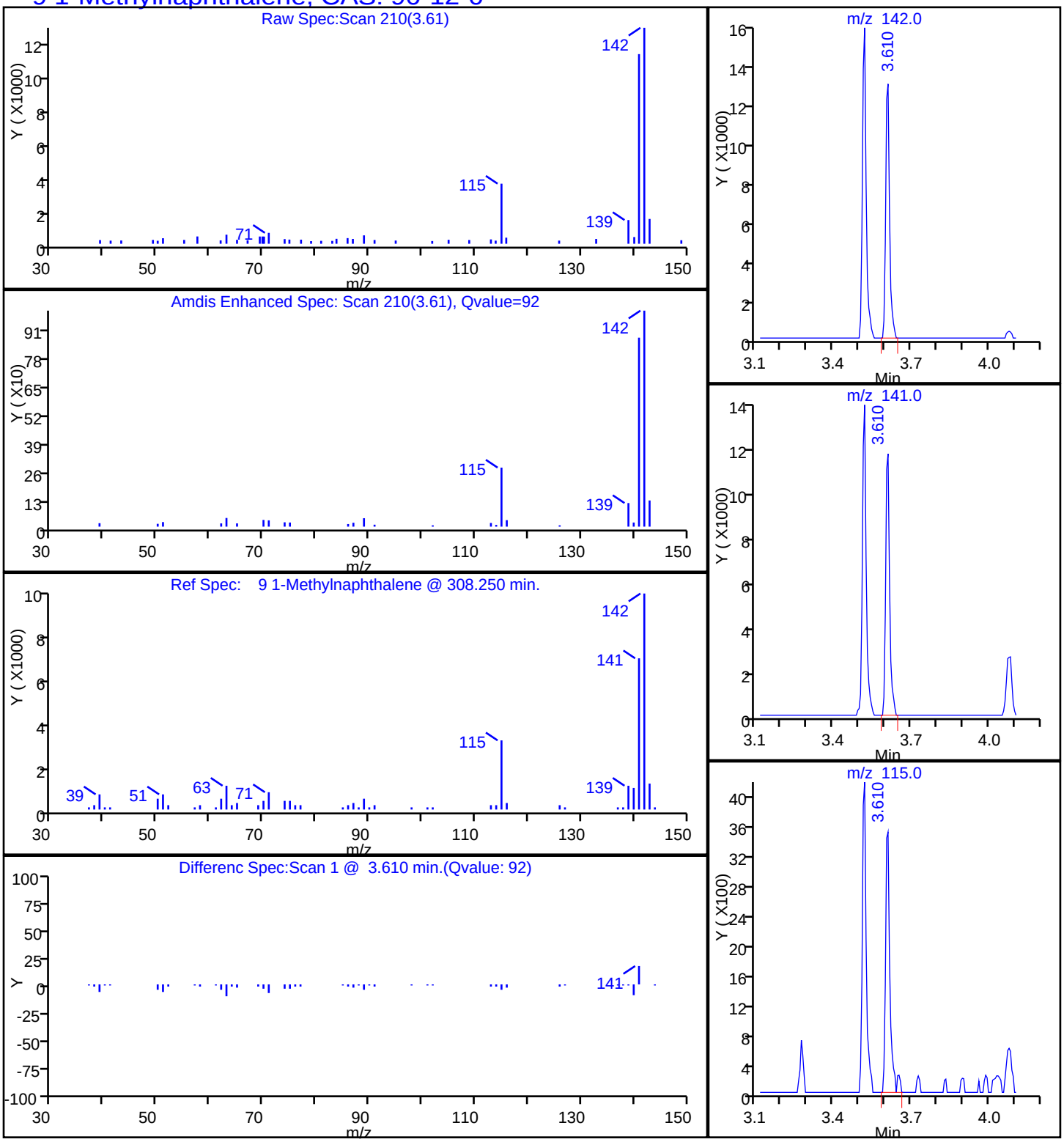


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

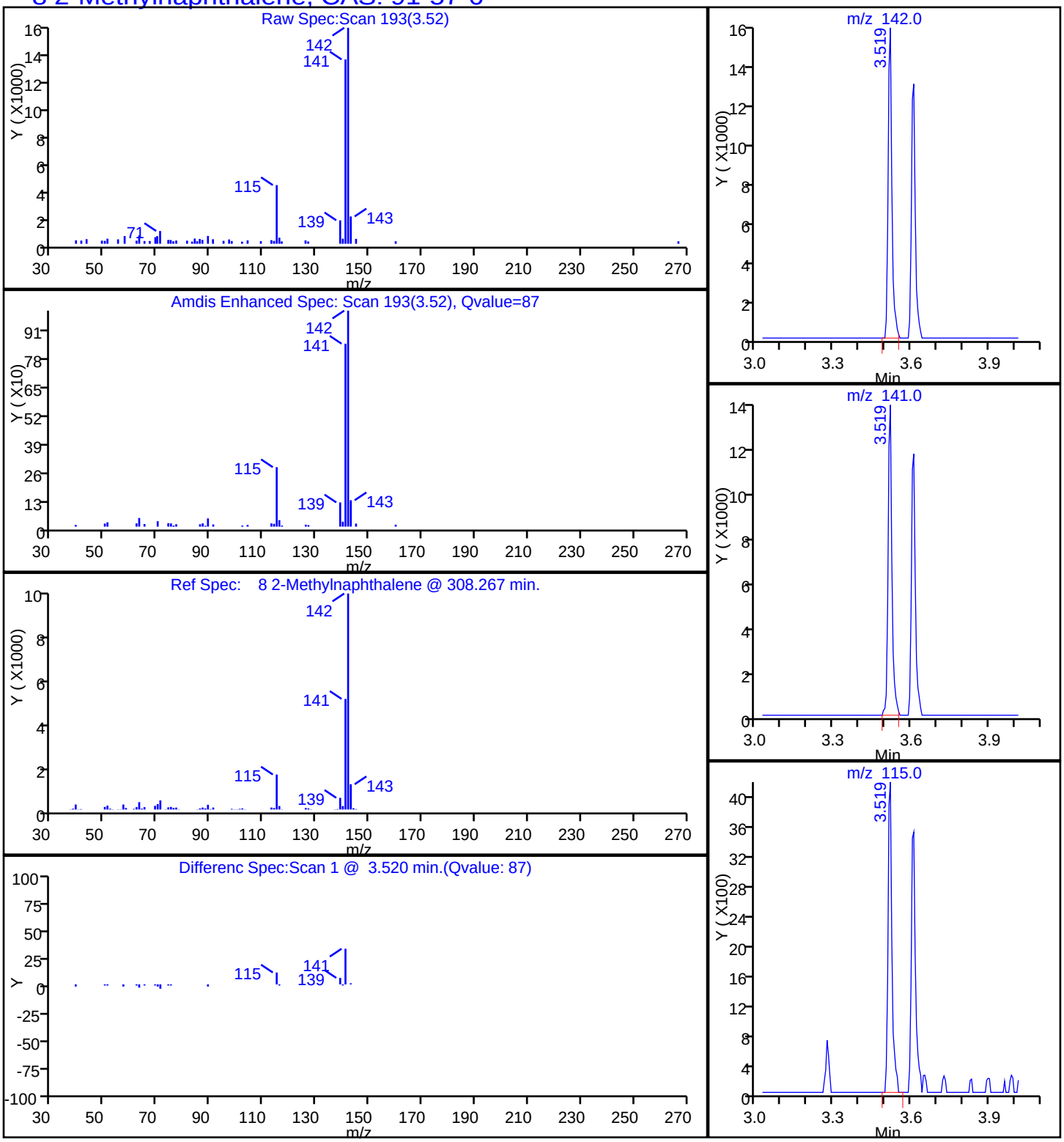


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

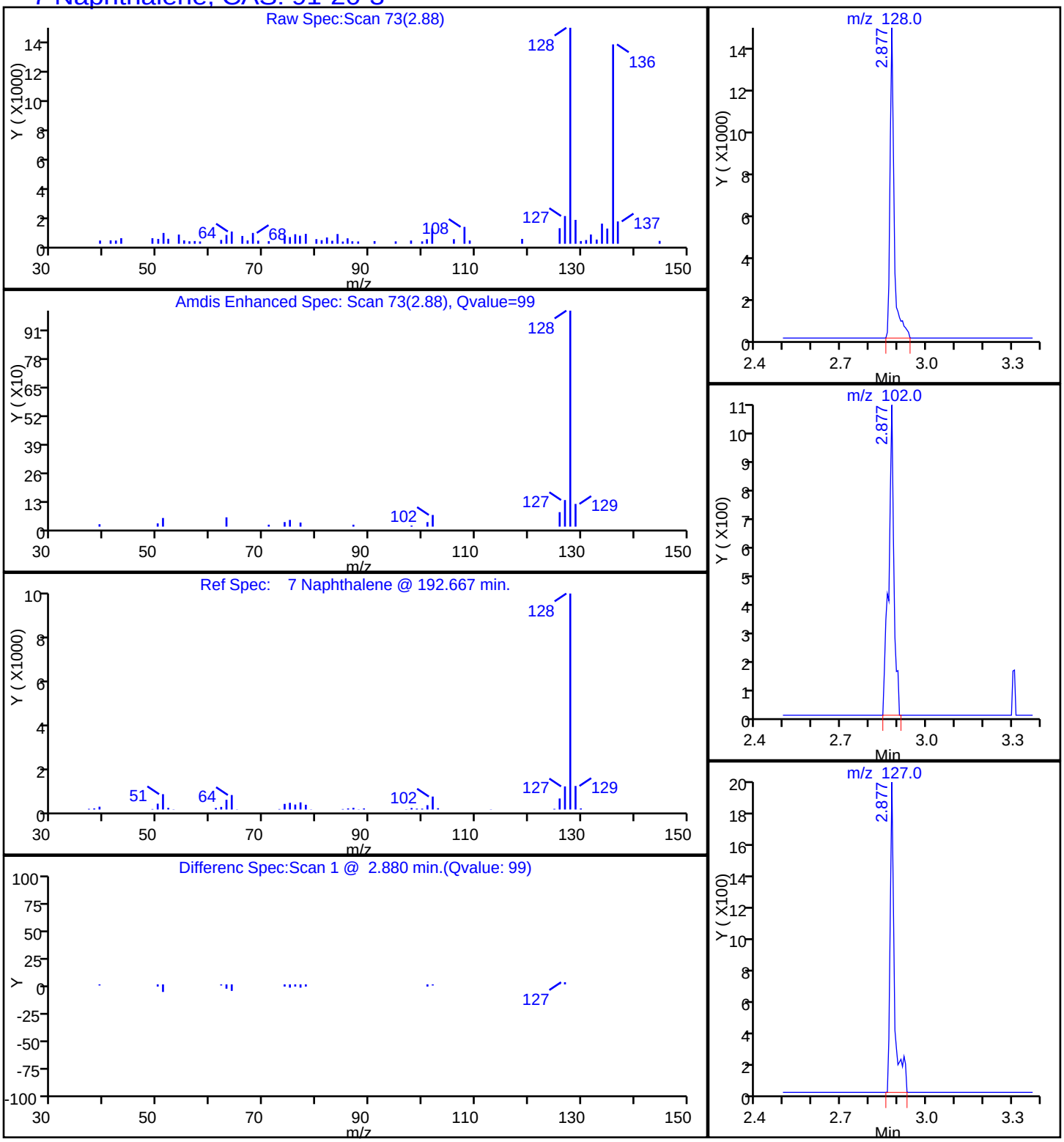


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

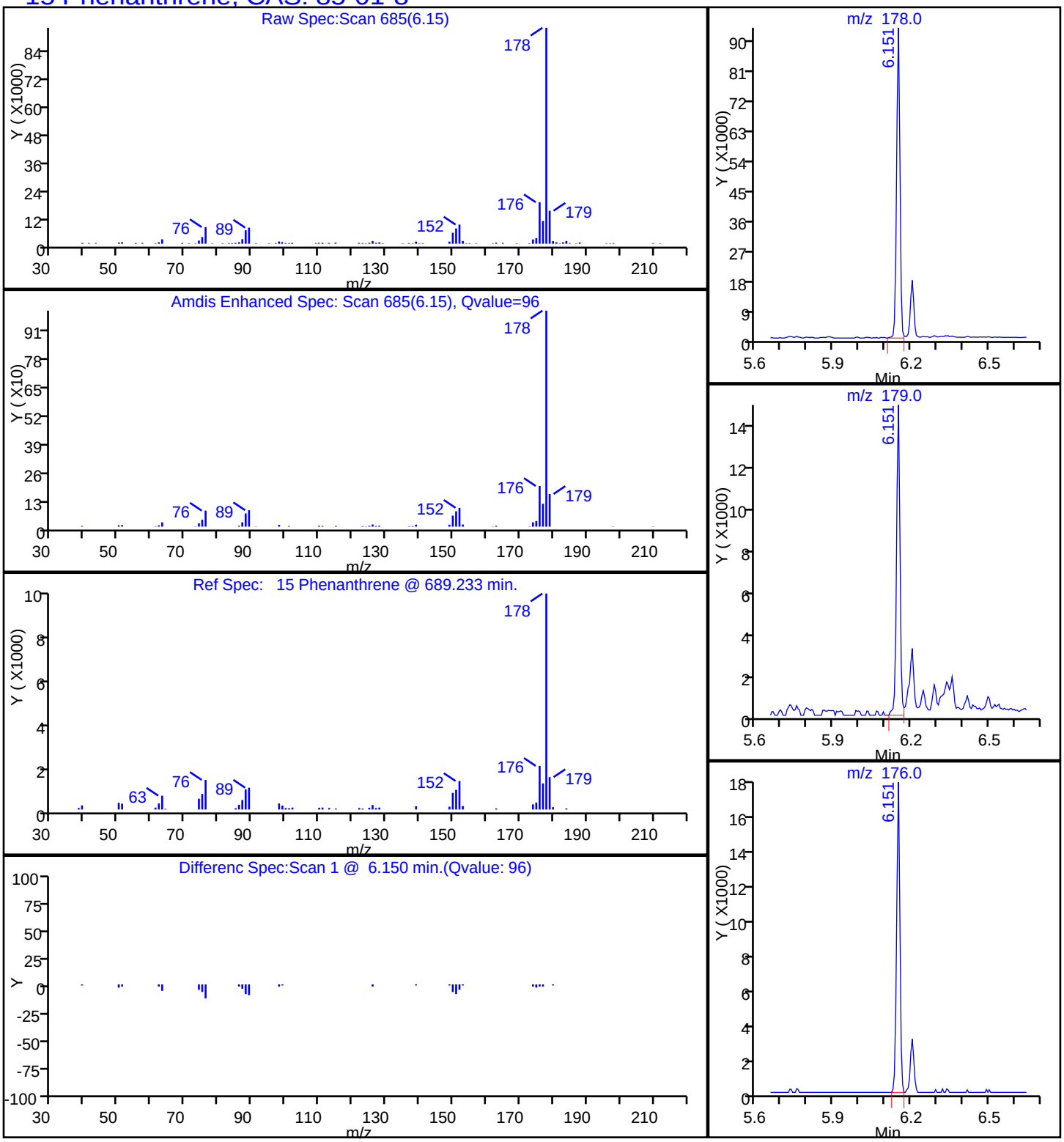


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

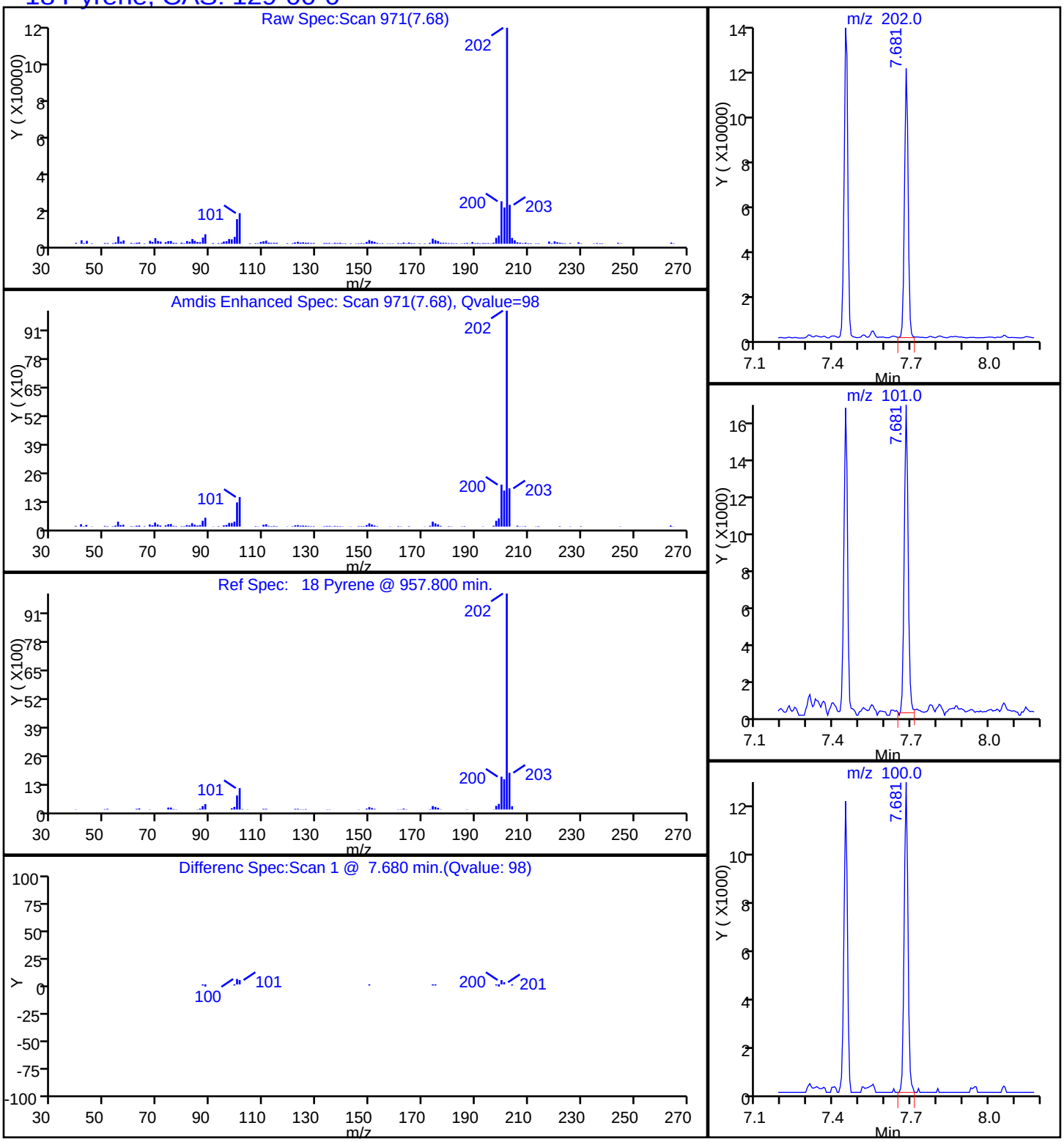


Report Date: 16-Oct-2014 08:47:10 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

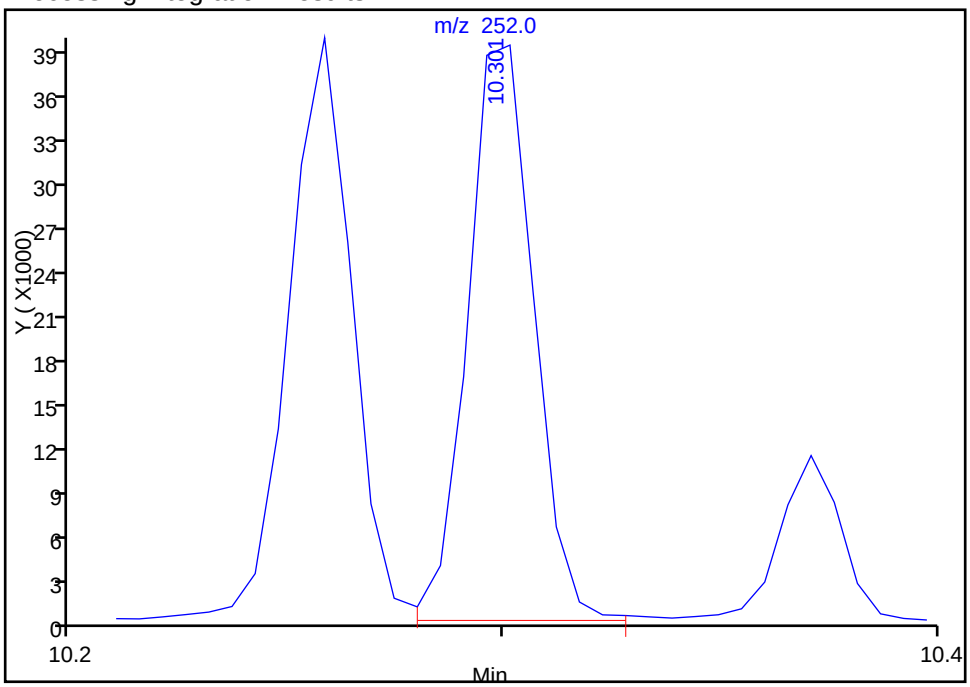
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1511.D				
Injection Date:	15-Oct-2014 16:27:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-1-C	Lab Sample ID:	680-106200-1		
Client ID:	CV0005Y-CS6				
Operator ID:	RM	ALS Bottle#:	9	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

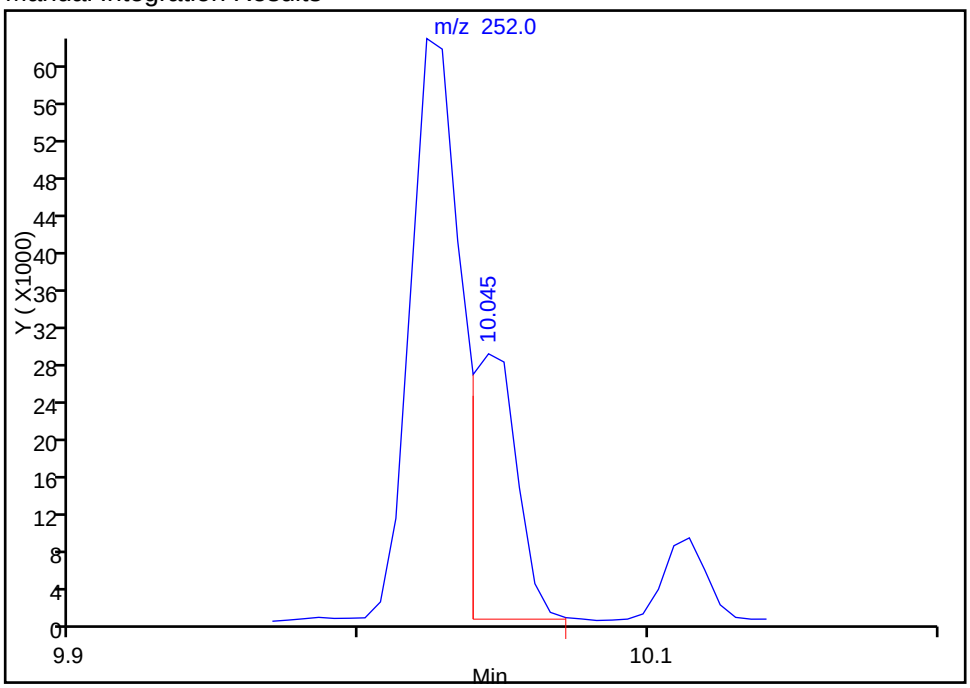
Processing Integration Results

RT: 10.30
Response: 40625
Amount: 0.732052



Manual Integration Results

RT: 10.04
Response: 32470
Amount: 0.584735



Reviewer: webbk, 15-Oct-2014 16:51:45
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005Y-CSD6 | Lab Sample ID: 680-106200-2

Matrix: Solid | Lab File ID: 2YJ1512.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/09/2014 09:00

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

Sample wt/vol: 30.07(g) | Date Analyzed: 10/15/2014 16:49

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

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

% Moisture: 11.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	74
208-96-8	Acenaphthylene	150	U	150	74
120-12-7	Anthracene	150	U	150	74
56-55-3	Benzo[a]anthracene	350		150	74
50-32-8	Benzo[a]pyrene	400		150	27
205-99-2	Benzo[b]fluoranthene	670		150	74
191-24-2	Benzo[g,h,i]perylene	290		150	74
207-08-9	Benzo[k]fluoranthene	260		150	45
218-01-9	Chrysene	520		150	74
53-70-3	Dibenz(a,h)anthracene	150		150	74
206-44-0	Fluoranthene	610		150	74
86-73-7	Fluorene	150	U	150	74
193-39-5	Indeno[1,2,3-cd]pyrene	240		150	74
90-12-0	1-Methylnaphthalene	230		150	70
91-57-6	2-Methylnaphthalene	240		150	74
91-20-3	Naphthalene	160		150	74
85-01-8	Phenanthrene	470		150	54
129-00-0	Pyrene	620		150	74

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 16:49:30	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	106200-A-2-A 1:20				
Misc. Info.:	680-0013789-012				
Operator ID:	RM	Instrument ID:	CMSY		
Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m				
Limit Group:	8270D_LL_PAH				
Last Update:	16-Oct-2014 08:46:57	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: 15-Oct-2014 17:17:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.861	2.856	0.005	98	145867	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	92	81581	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	136563	2.00	
* 4 Chrysene-d12	240	9.001	8.996	0.005	99	113645	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	92749	2.00	
7 Naphthalene	128	2.877	2.877	0.000	99	16673	0.2096	
8 2-Methylnaphthalene	142	3.519	3.514	0.005	85	17185	0.3257	
9 1-Methylnaphthalene	142	3.610	3.605	0.005	92	14739	0.3013	
15 Phenanthrene	178	6.151	6.151	0.000	96	51506	0.6302	
16 Anthracene	178	6.204	6.204	0.000	98	6528	0.0803	
17 Fluoranthene	202	7.445	7.445	0.000	98	70643	0.8155	
18 Pyrene	202	7.680	7.680	0.000	97	61861	0.8318	
19 Benzo[a]anthracene	228	8.991	8.991	0.000	97	30716	0.4621	
20 Chrysene	228	9.023	9.023	0.000	99	44029	0.6960	
21 Benzo[b]fluoranthene	252	10.023	10.023	0.000	98	54589	0.8949	
22 Benzo[k]fluoranthene	252	10.044	10.050	-0.006	98	20566	0.3472	M
23 Benzo[a]pyrene	252	10.301	10.296	0.005	99	26775	0.5336	
24 Indeno[1,2,3-cd]pyrene	276	11.200	11.200	0.000	99	19638	0.3148	
25 Dibenz(a,h)anthracene	278	11.226	11.227	-0.001	95	8932	0.2037	
26 Benzo[g,h,i]perylene	276	11.424	11.424	0.000	98	17800	0.3892	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

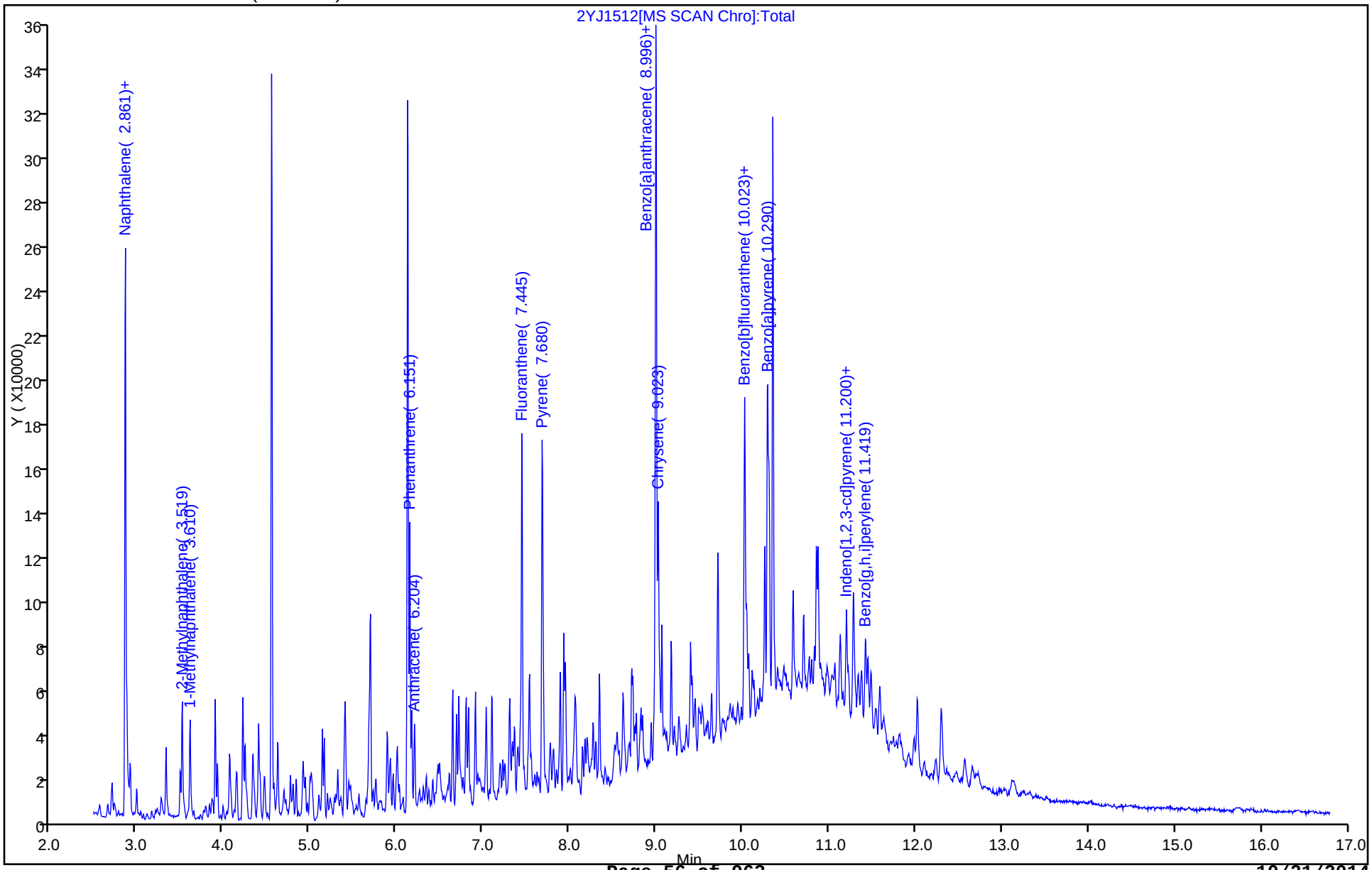
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2	Worklist Smp#:	12
Client ID:	CV0005Y-CSD6				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	10
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

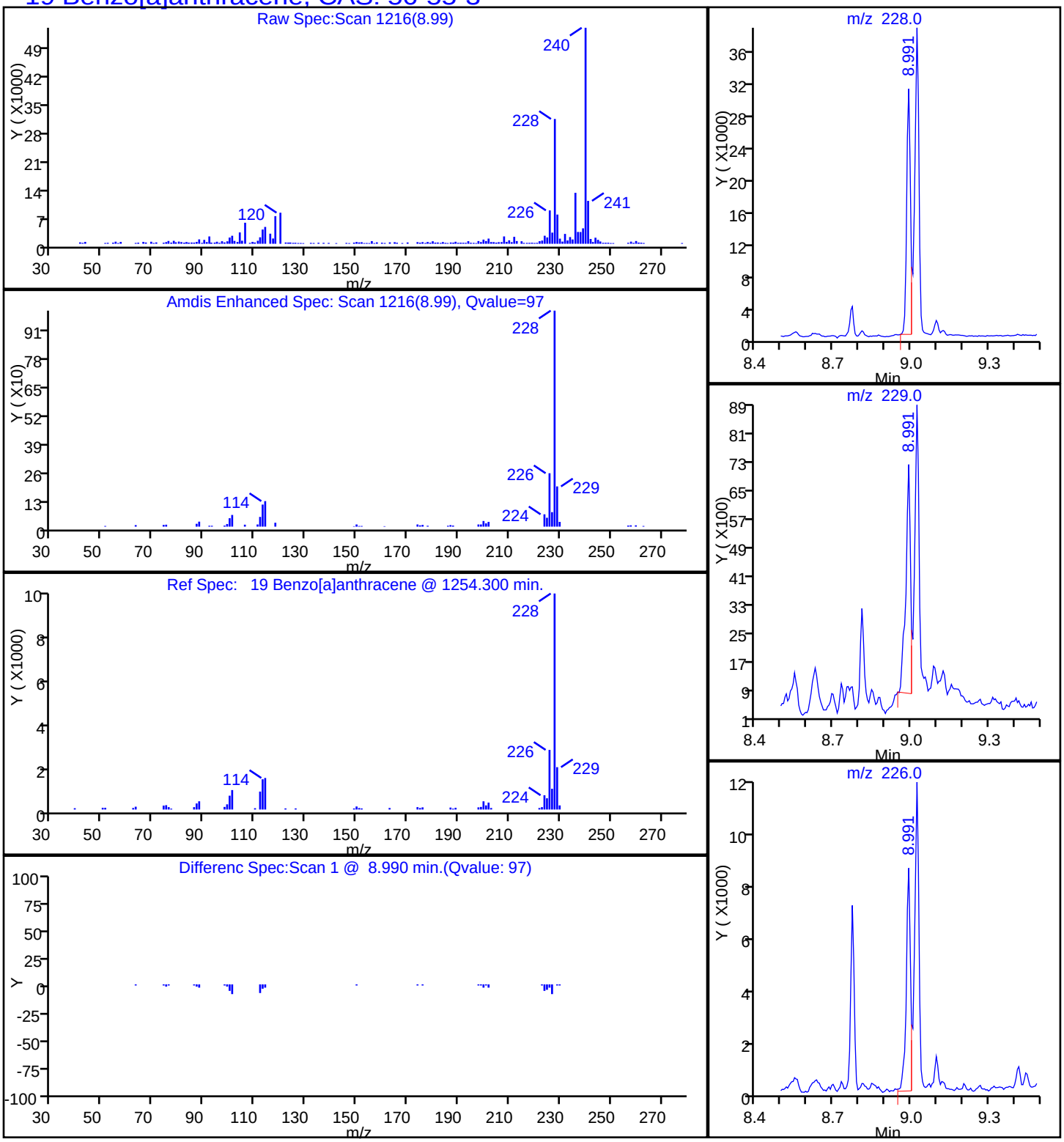


Report Date: 16-Oct-2014 08:47:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

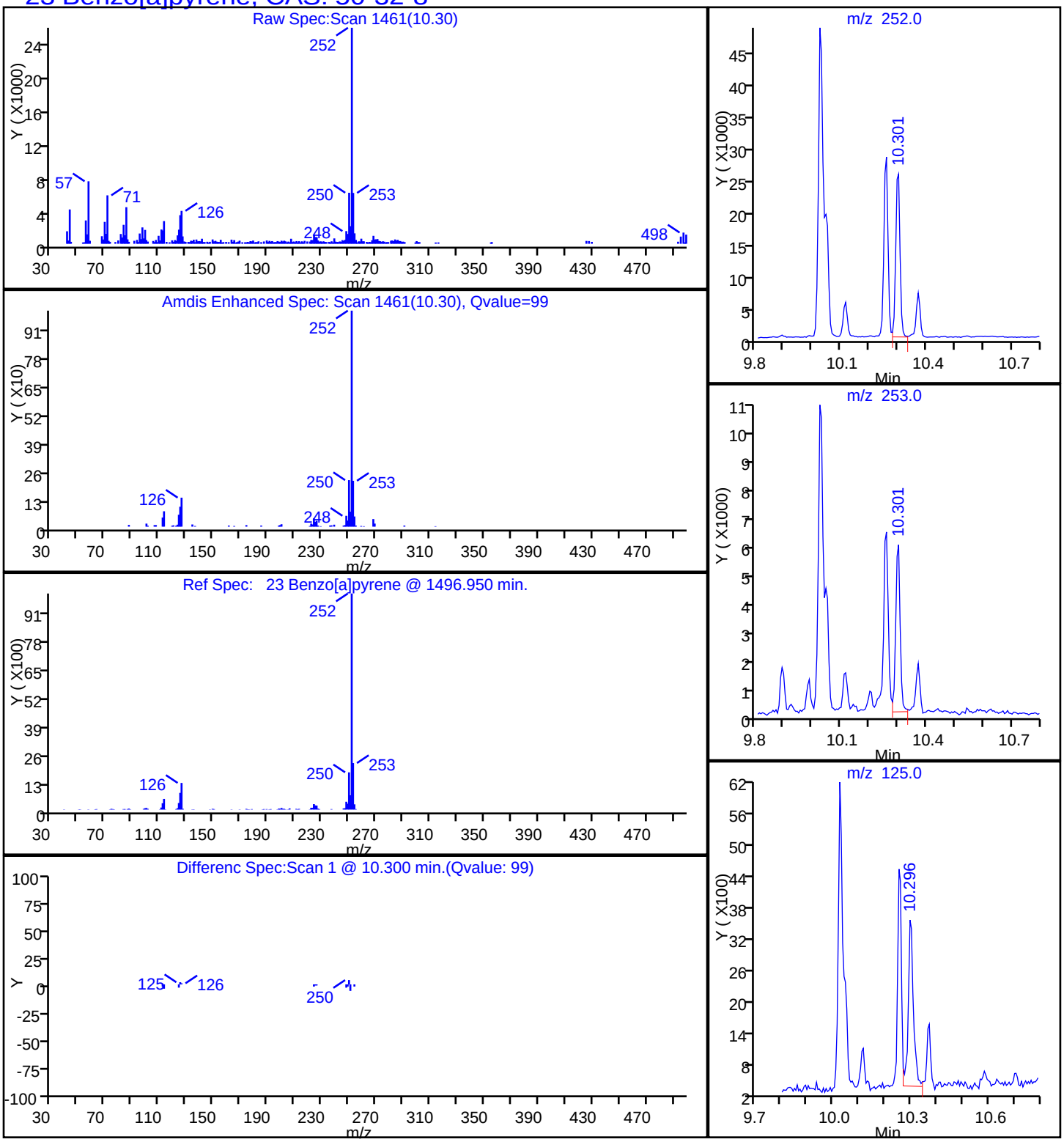


Report Date: 16-Oct-2014 08:47:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

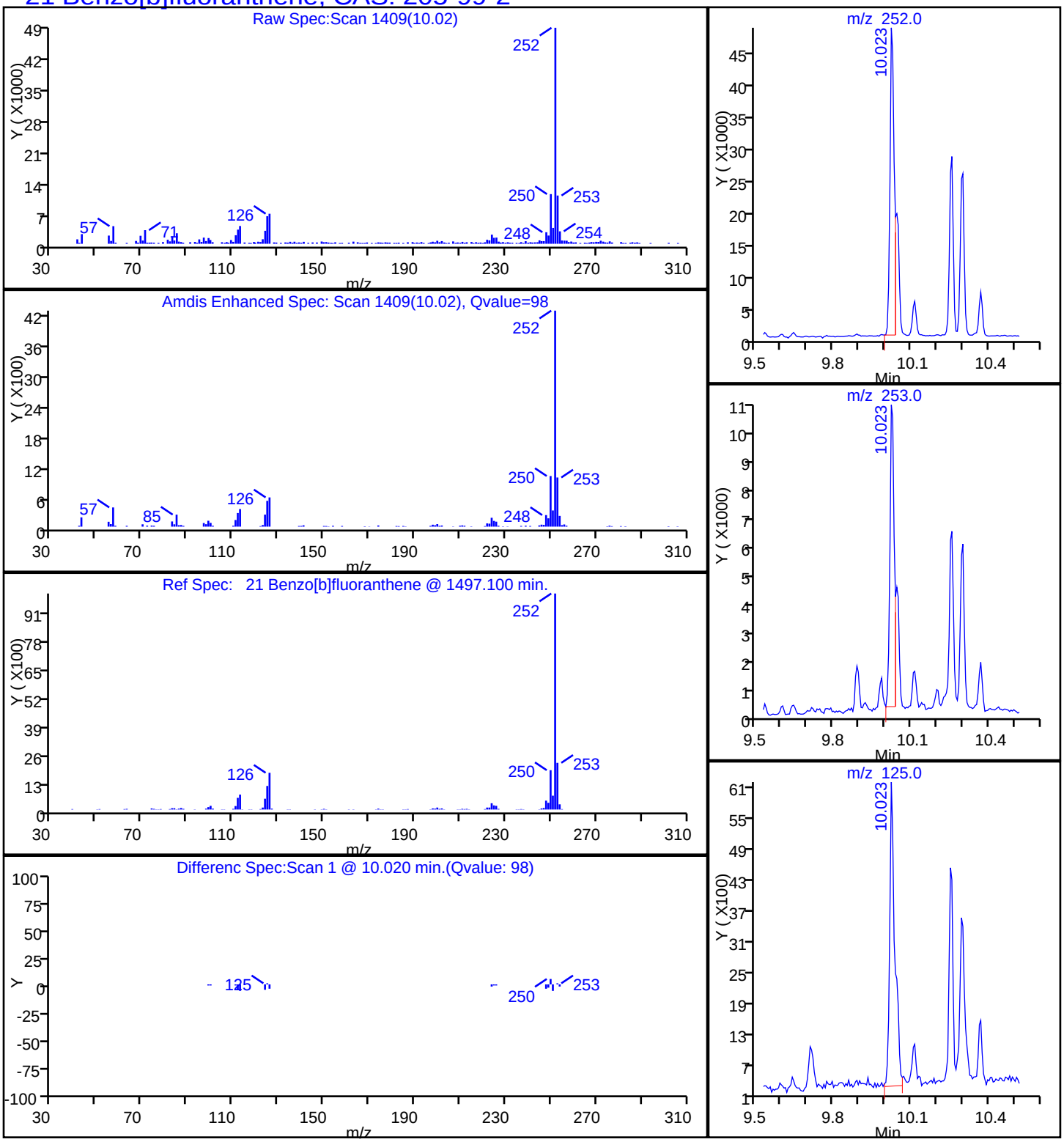


Report Date: 16-Oct-2014 08:47:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

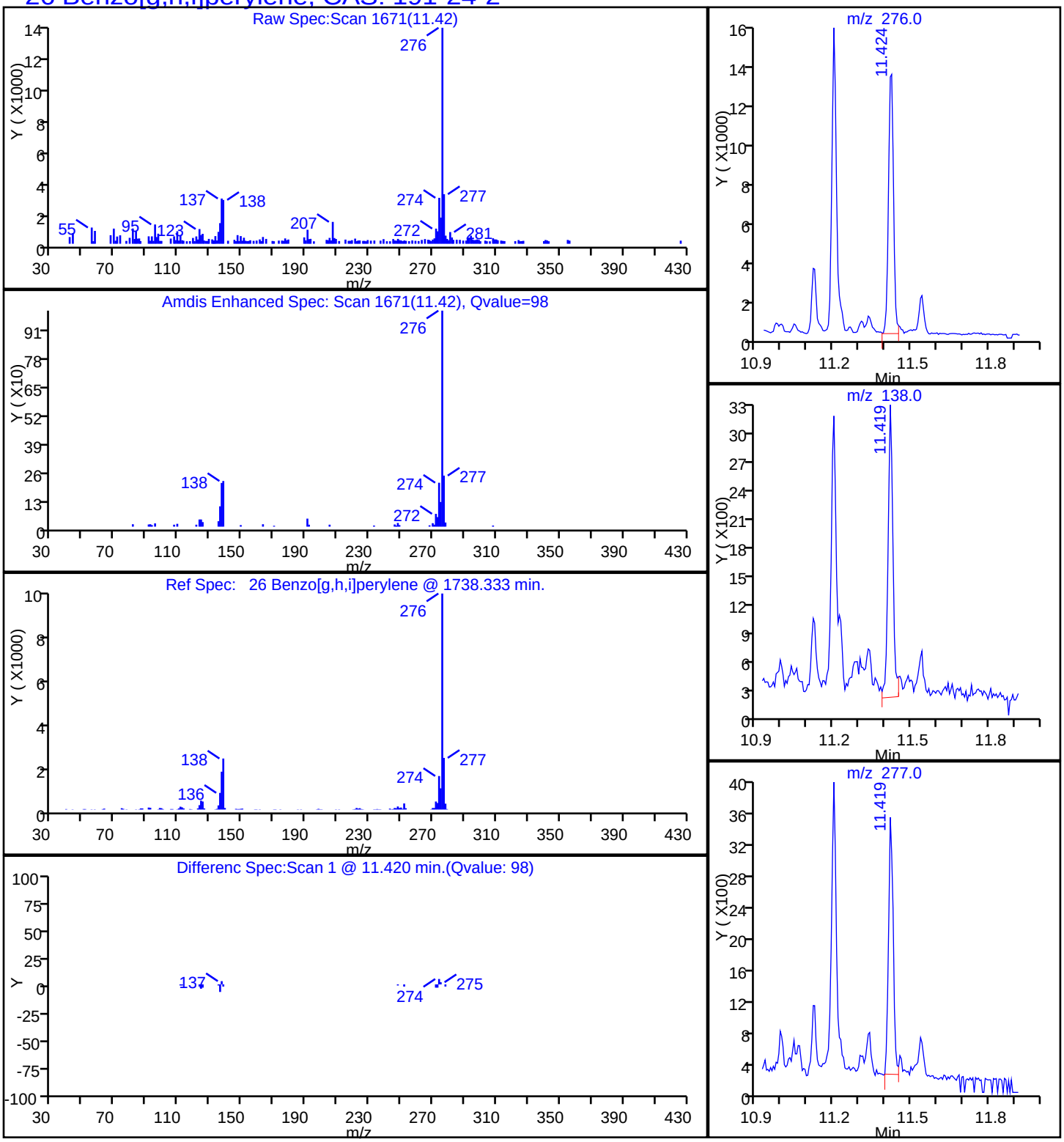


Report Date: 16-Oct-2014 08:47:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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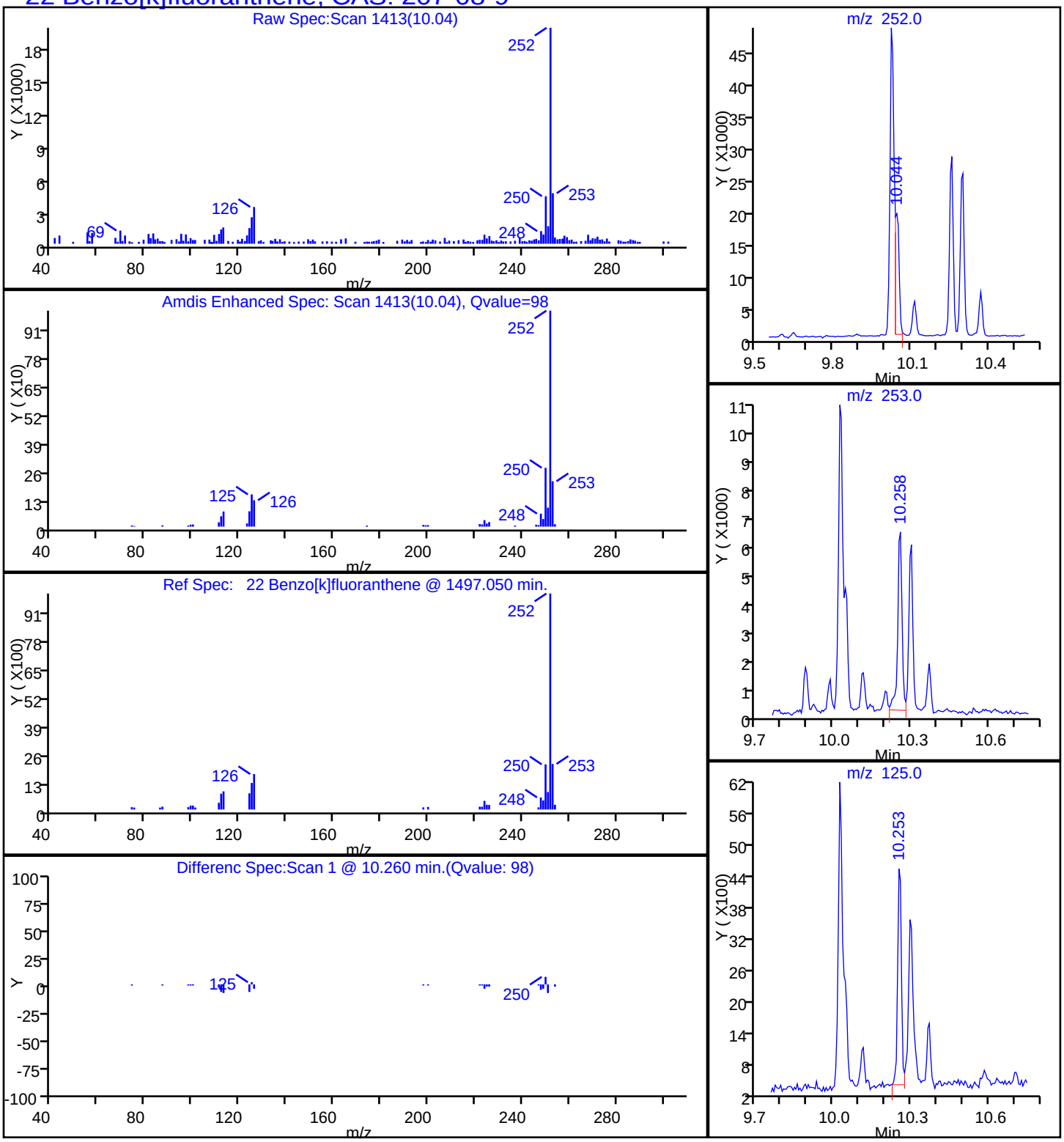
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
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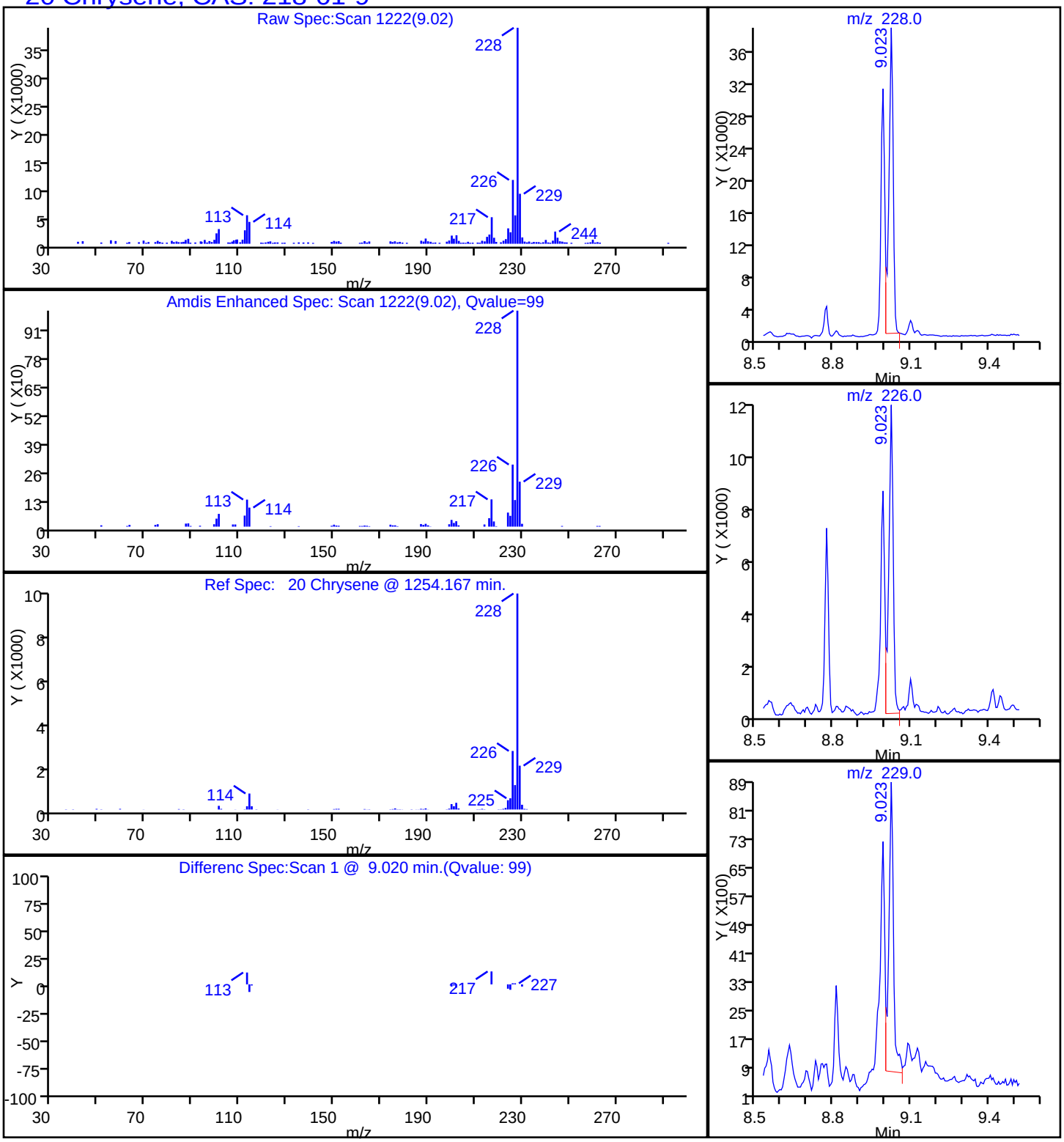
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9



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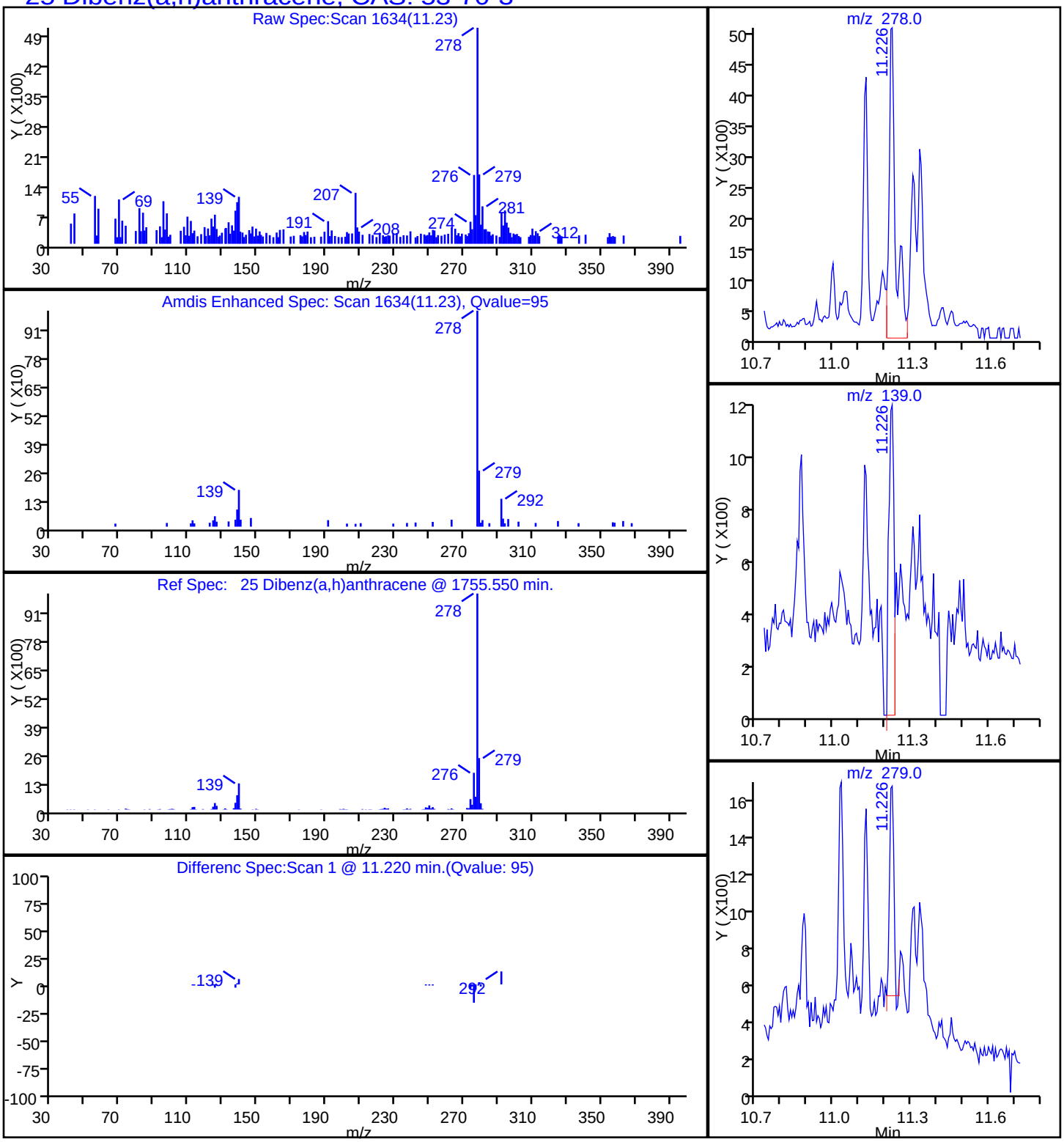
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

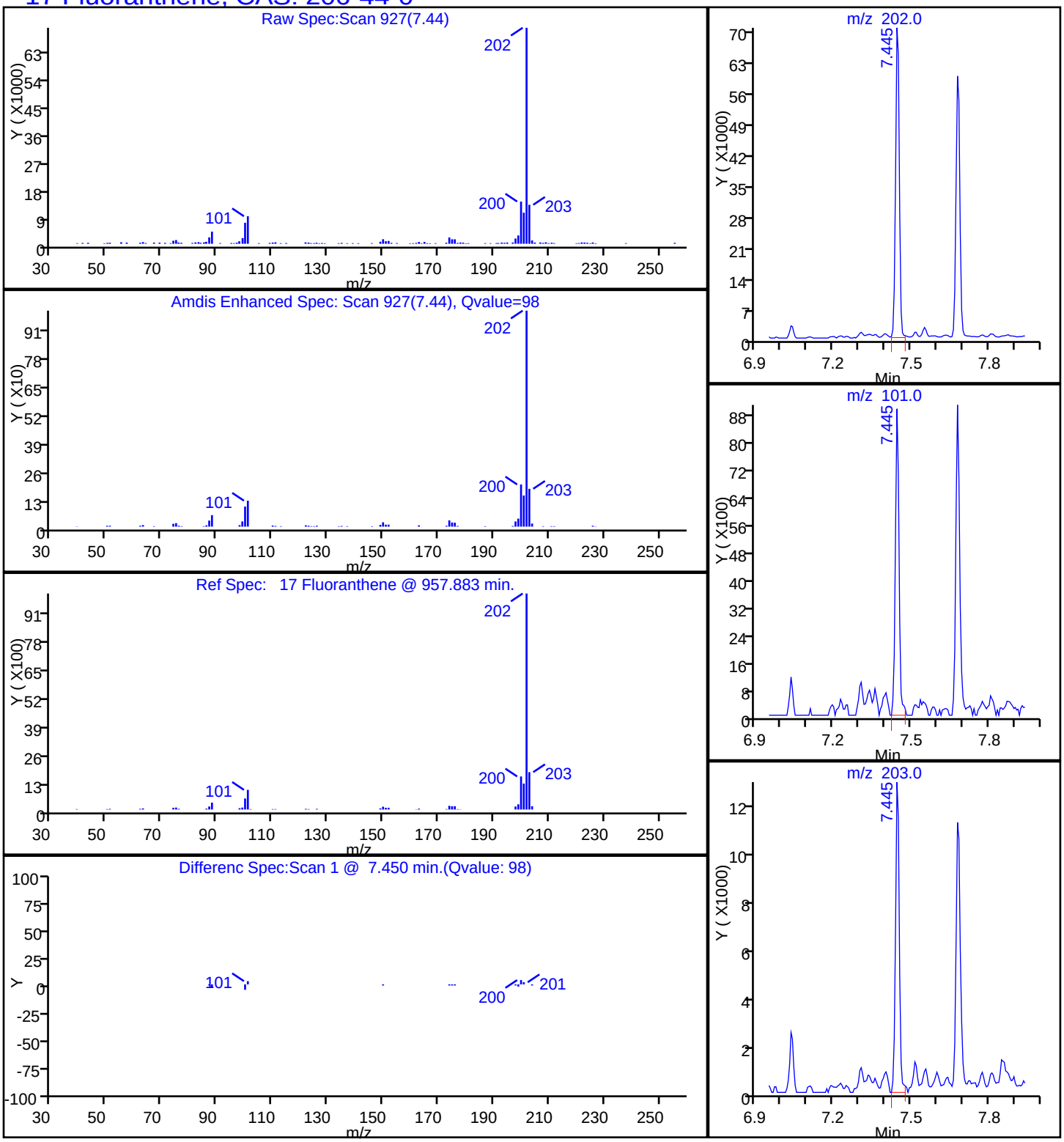


Report Date: 16-Oct-2014 08:47:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

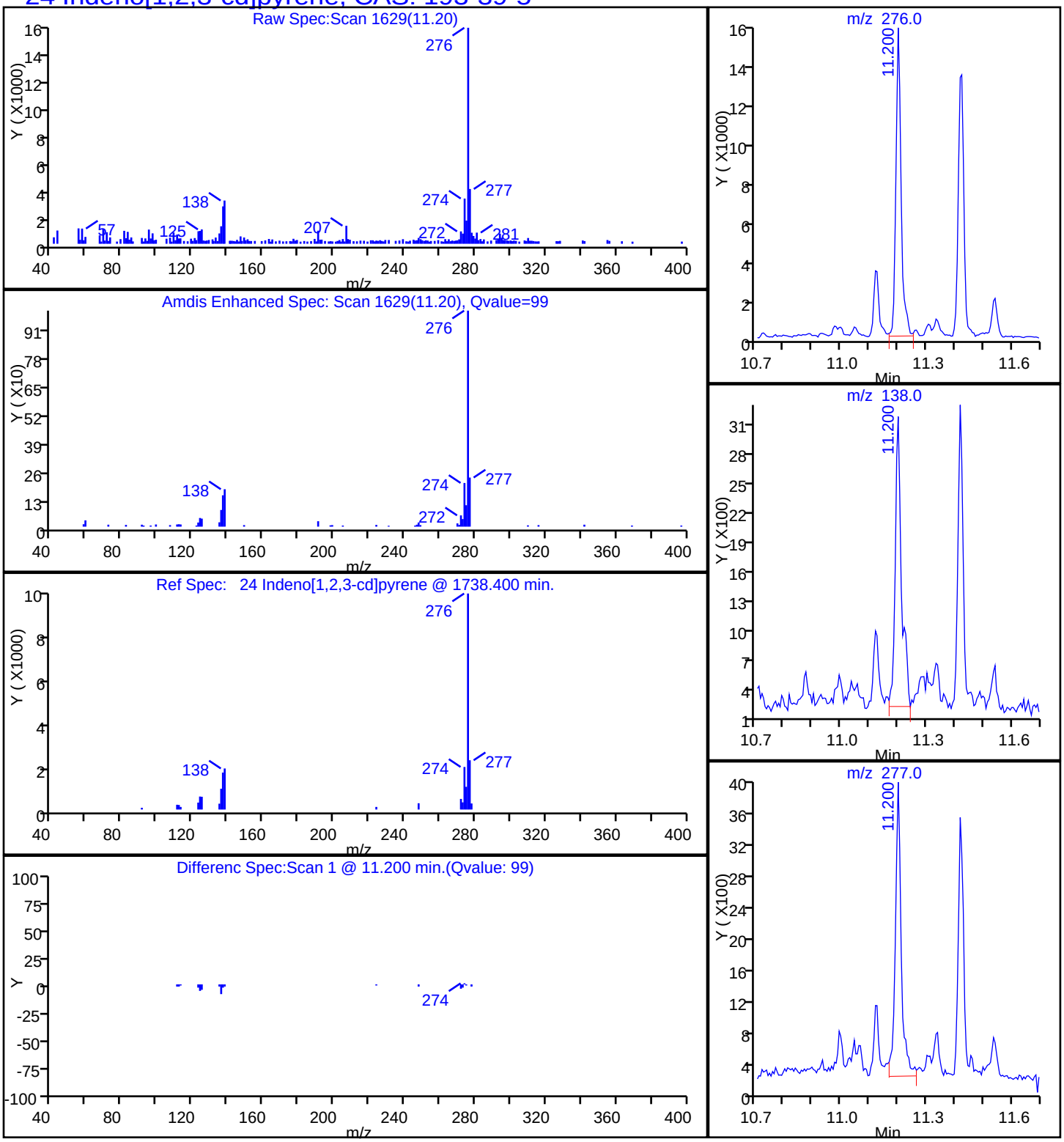


Report Date: 16-Oct-2014 08:47:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

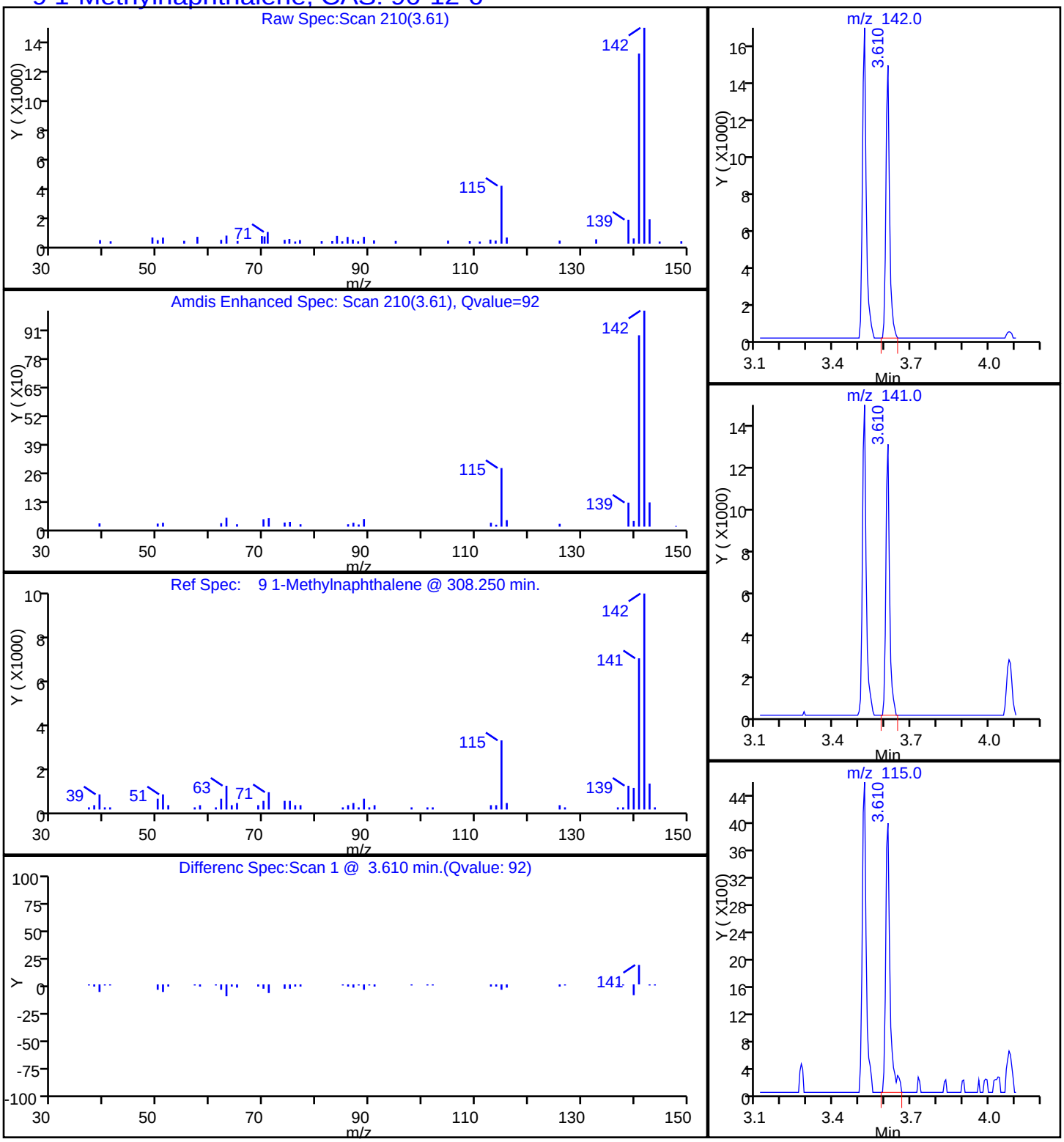


Report Date: 16-Oct-2014 08:47:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

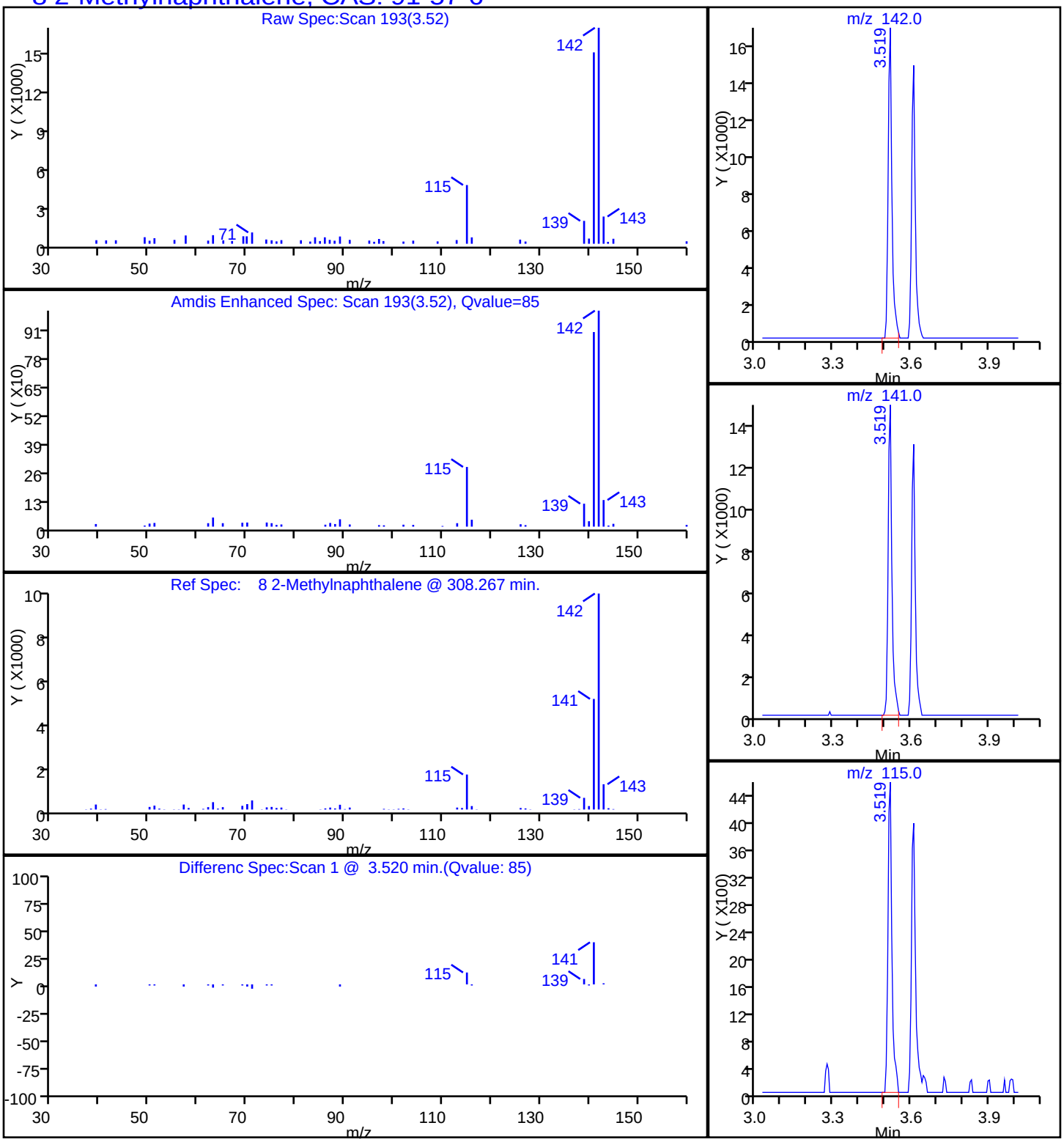


Report Date: 16-Oct-2014 08:47:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

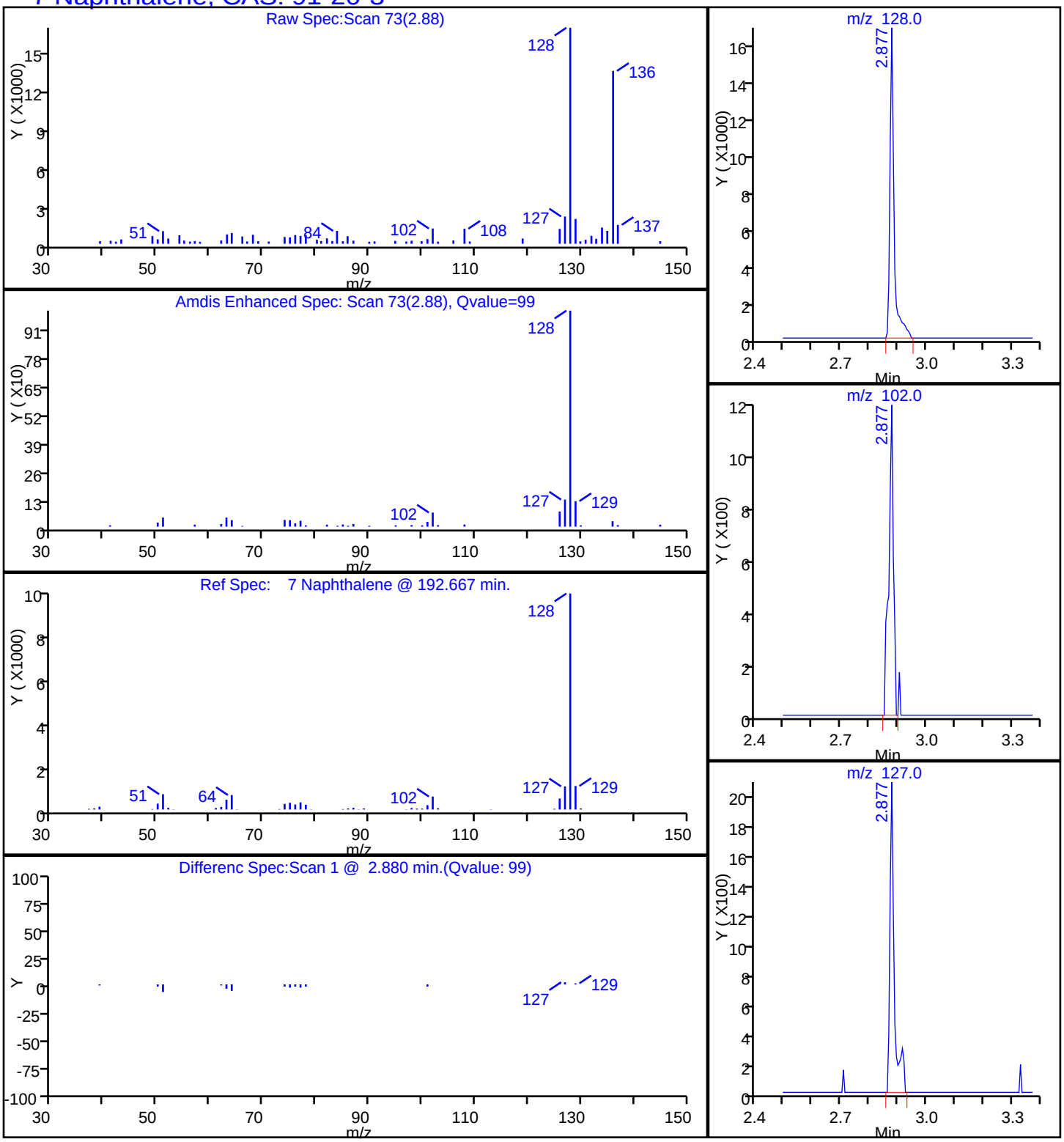


Report Date: 16-Oct-2014 08:47:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

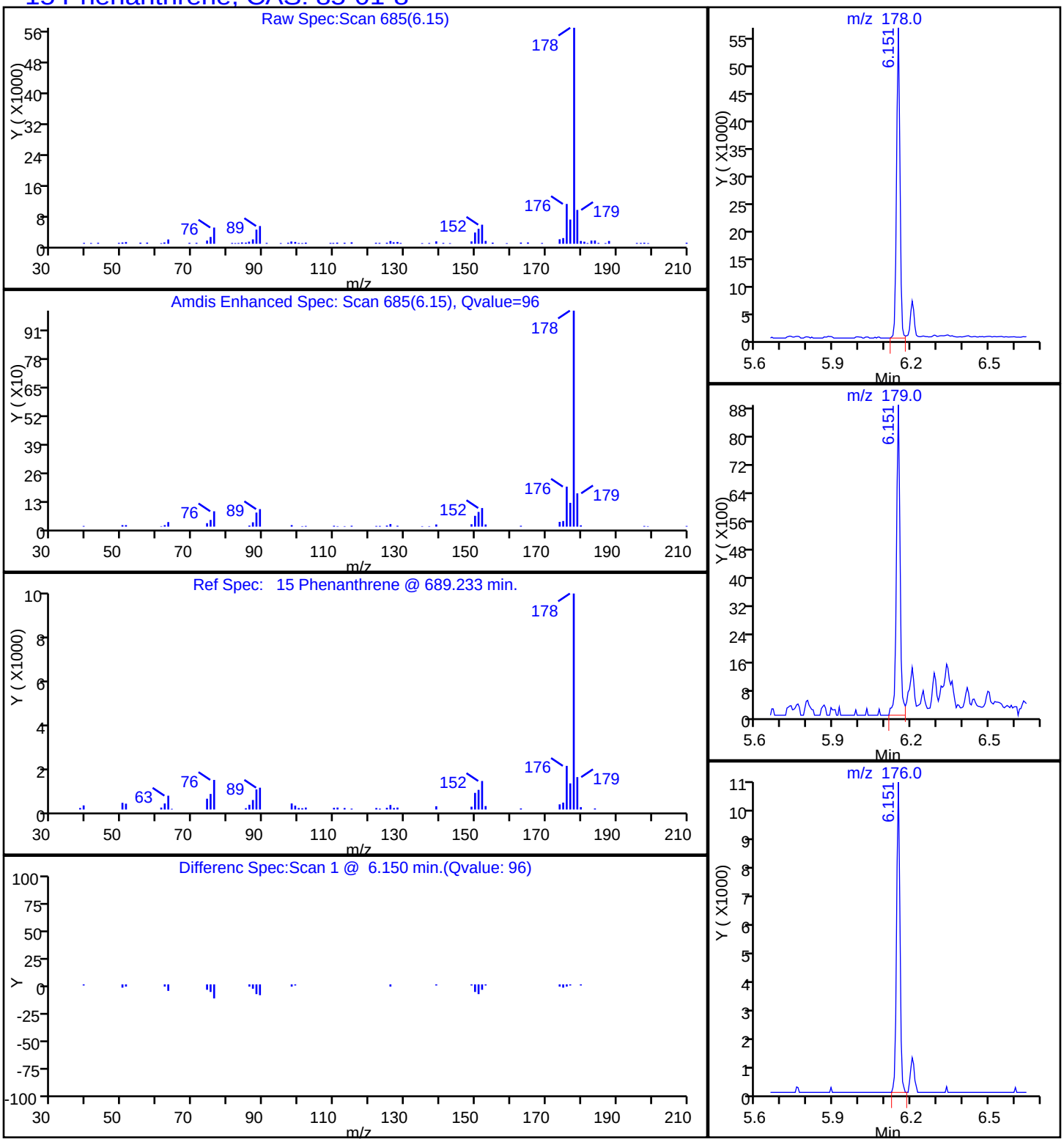


Report Date: 16-Oct-2014 08:47:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

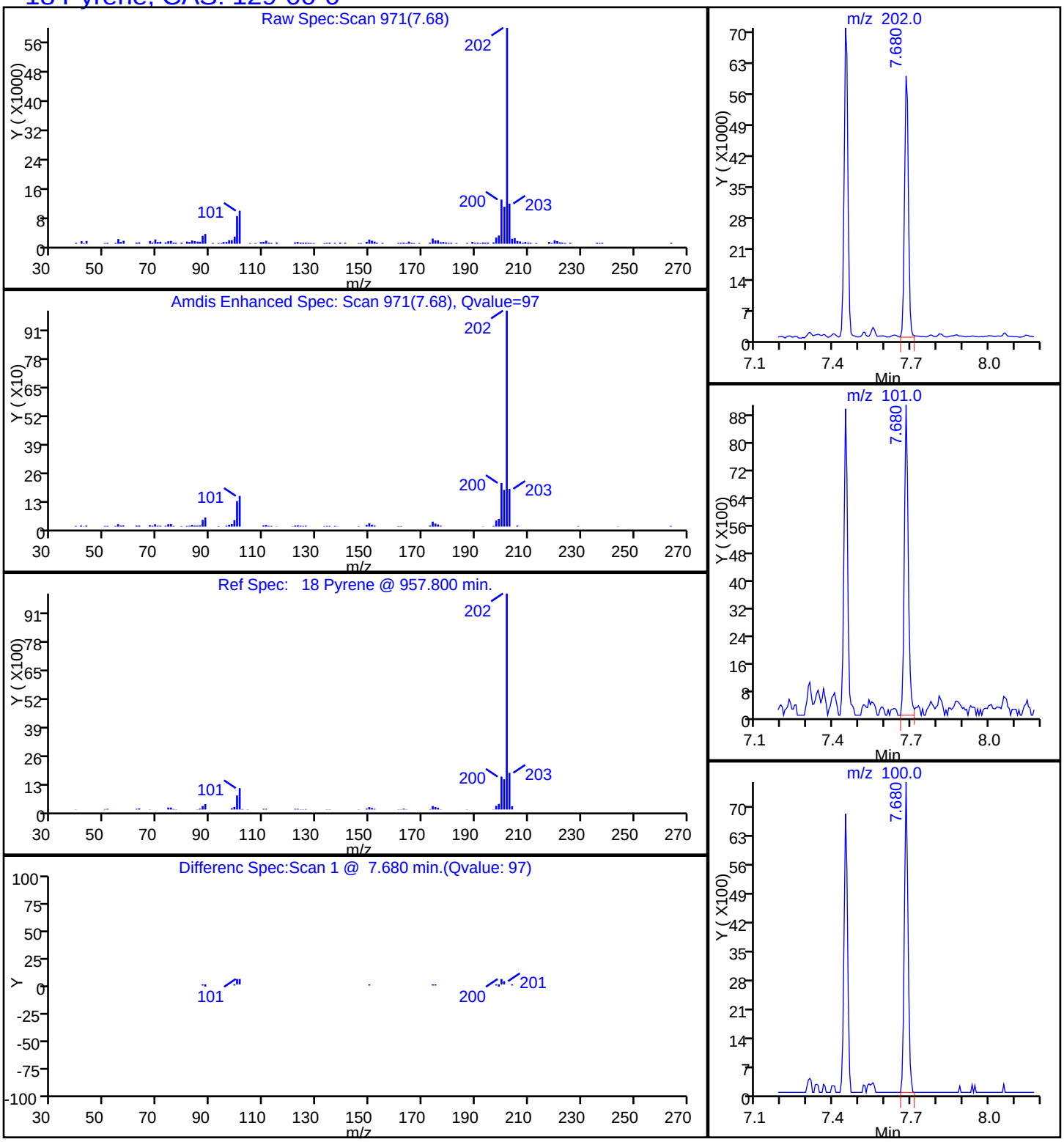


Report Date: 16-Oct-2014 08:47:12 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

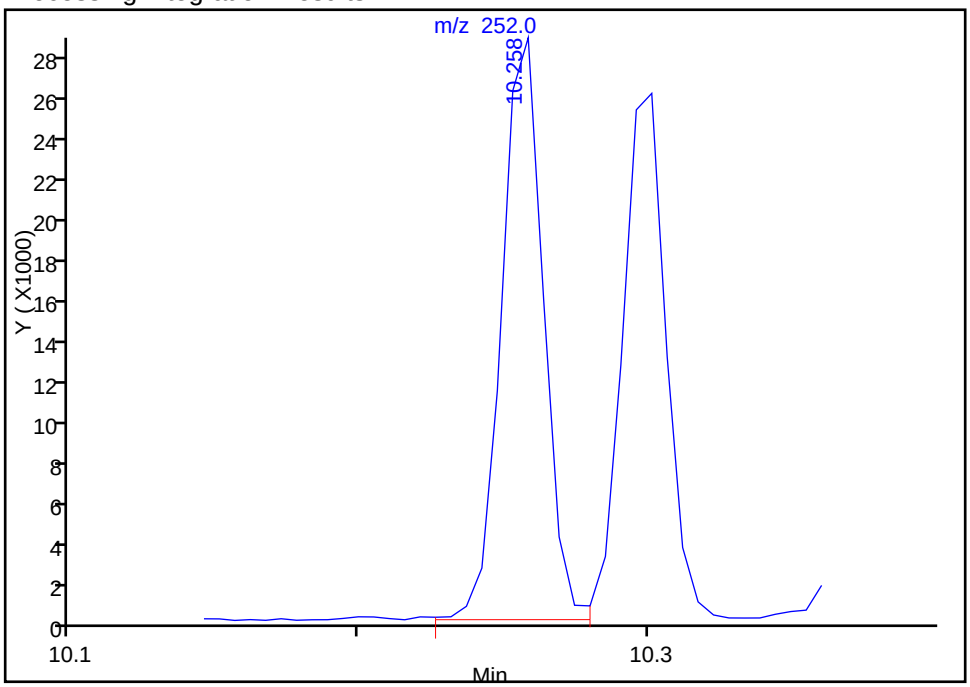
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1512.D				
Injection Date:	15-Oct-2014 16:49:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-2-A	Lab Sample ID:	680-106200-2		
Client ID:	CV0005Y-CSD6				
Operator ID:	RM	ALS Bottle#:	10	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

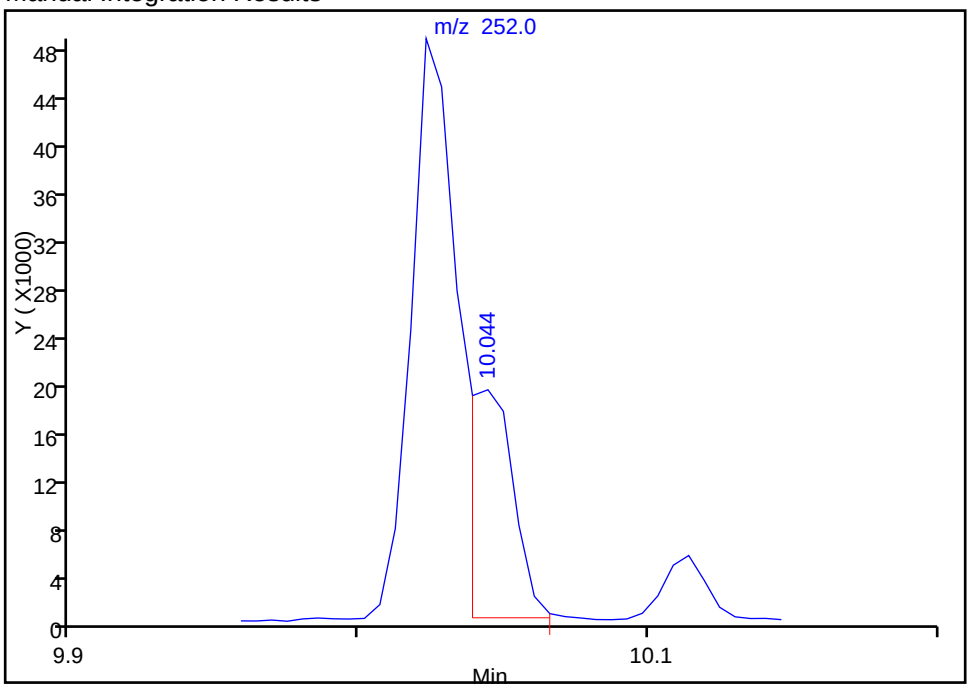
Processing Integration Results

RT: 10.26
Response: 28390
Amount: 0.479576



Manual Integration Results

RT: 10.04
Response: 20566
Amount: 0.347214



Reviewer: webbk, 15-Oct-2014 17:17:51
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005Y-CS12 | Lab Sample ID: 680-106200-3

Matrix: Solid | Lab File ID: 2YJ1513.D

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

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

Sample wt/vol: 30.04(g) | Date Analyzed: 10/15/2014 17:12

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

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

% Moisture: 11.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	76	U	76	37
208-96-8	Acenaphthylene	76	U	76	37
120-12-7	Anthracene	76	U	76	37
56-55-3	Benzo[a]anthracene	76	U	76	37
50-32-8	Benzo[a]pyrene	18	J	76	14
205-99-2	Benzo[b]fluoranthene	76	U	76	37
191-24-2	Benzo[g,h,i]perylene	76	U	76	37
207-08-9	Benzo[k]fluoranthene	76	U	76	23
218-01-9	Chrysene	76	U	76	37
53-70-3	Dibenz(a,h)anthracene	76	U	76	37
206-44-0	Fluoranthene	76	U	76	37
86-73-7	Fluorene	76	U	76	37
193-39-5	Indeno[1,2,3-cd]pyrene	76	U	76	37
90-12-0	1-Methylnaphthalene	76	U	76	35
91-57-6	2-Methylnaphthalene	76	U	76	37
91-20-3	Naphthalene	76	U	76	37
85-01-8	Phenanthrene	76	U	76	27
129-00-0	Pyrene	76	U	76	37

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1513.D				
Lims ID:	680-106200-A-3-A	Lab Sample ID:	680-106200-3		
Client ID:	CV0005Y-CS12				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 17:12:30	ALS Bottle#:	11	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	106200-A-3-A 1:10				
Misc. Info.:	680-0013789-013				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:11:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.861	2.856	0.005	98	145972	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	91	79328	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	121088	2.00	
* 4 Chrysene-d12	240	8.996	8.996	0.000	99	96524	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	81563	2.00	
20 Chrysene	228	9.023	9.023	0.000	98	2695	0.0500	
21 Benzo[b]fluoranthene	252	10.023	10.023	0.000	71	3674	0.0685	7
23 Benzo[a]pyrene	252	10.296	10.296	0.000	97	2114	0.0479	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

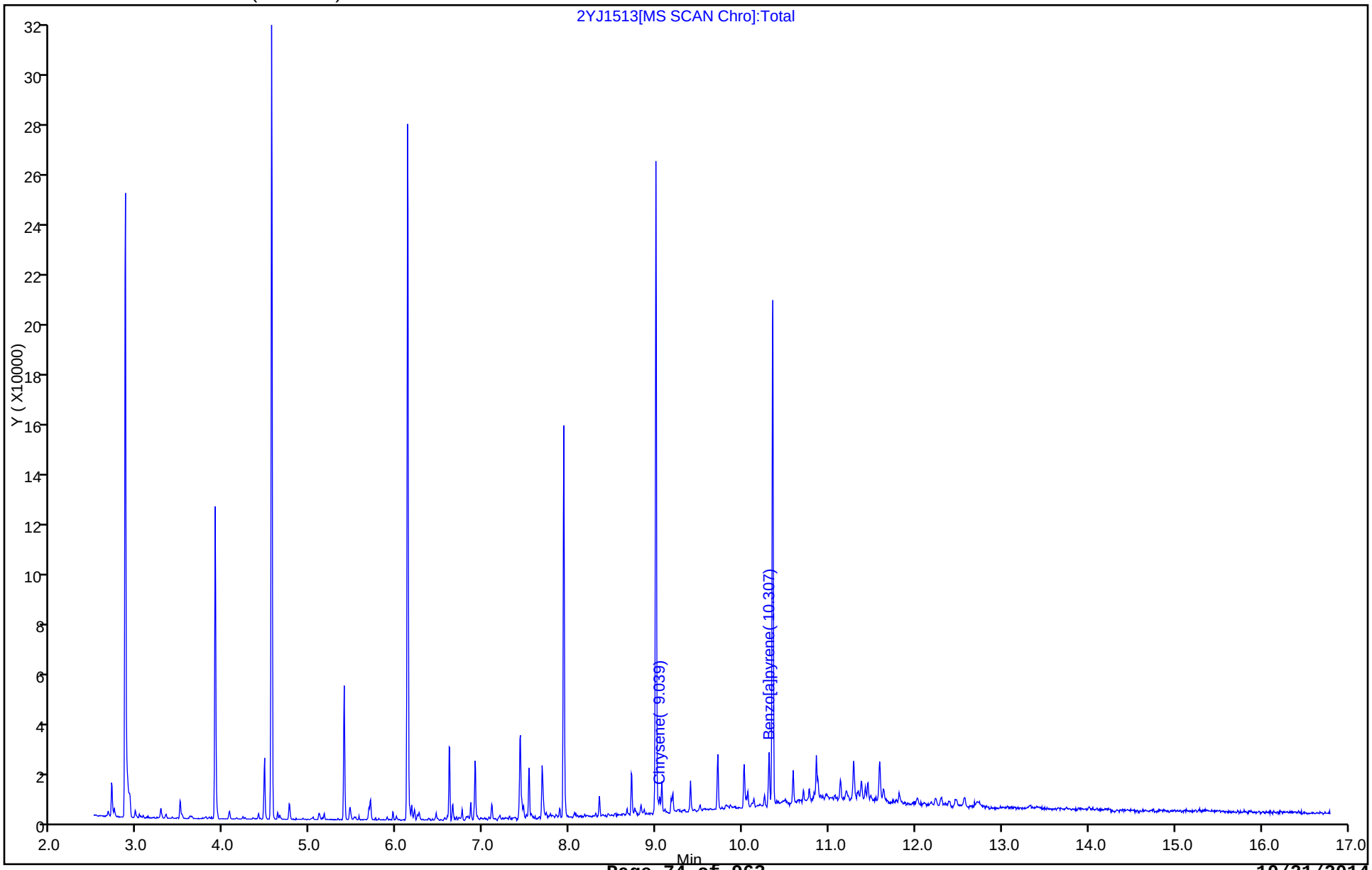
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:13 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1513.D				
Injection Date:	15-Oct-2014 17:12:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-3-A	Lab Sample ID:	680-106200-3	Worklist Smp#:	13
Client ID:	CV0005Y-CS12				
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)

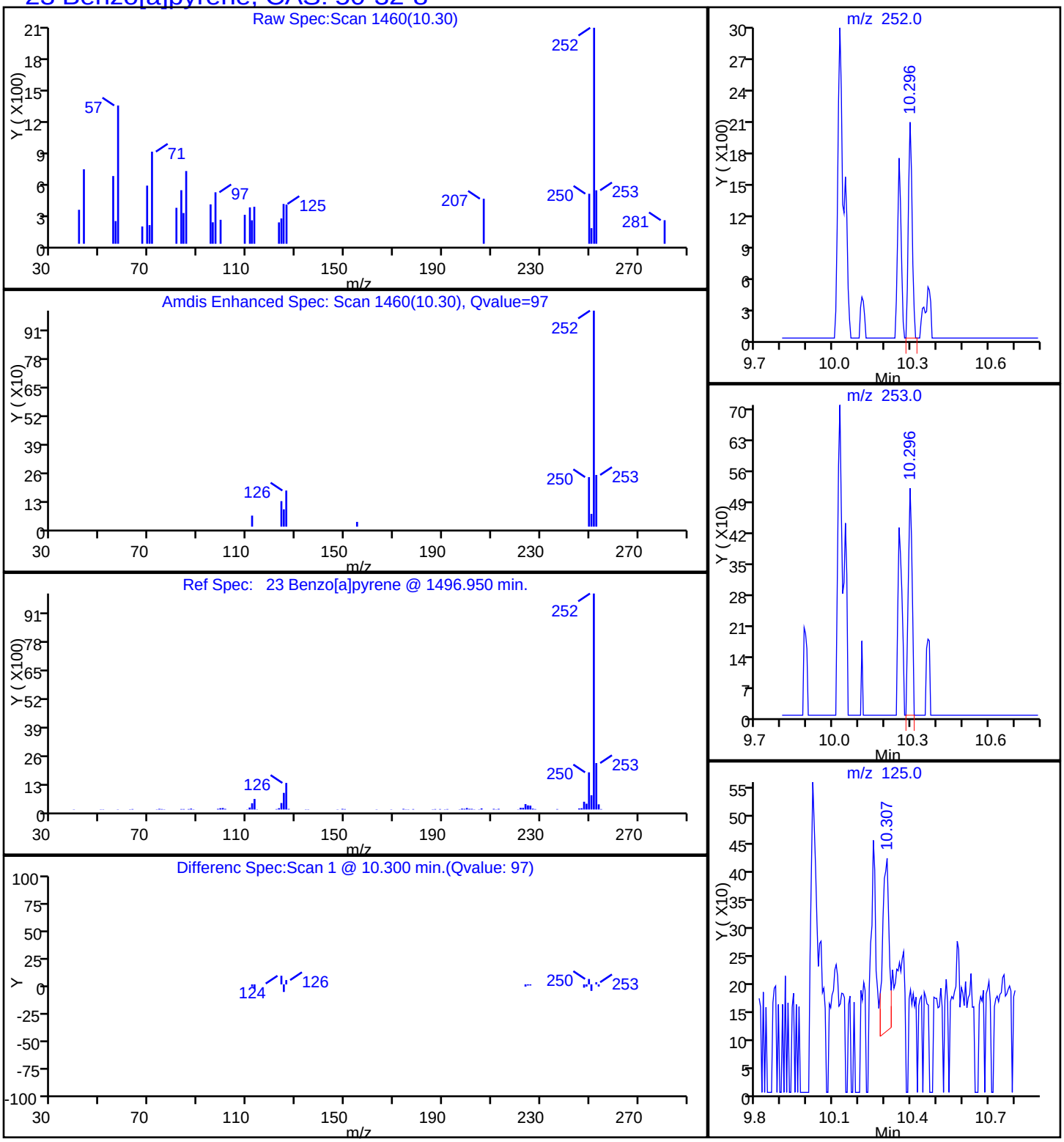


Report Date: 16-Oct-2014 08:47:13 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1513.D				
Injection Date:	15-Oct-2014 17:12:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-3-A	Lab Sample ID:	680-106200-3		
Client ID:	CV0005Y-CS12				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005Y-CS18 | Lab Sample ID: 680-106200-4

Matrix: Solid | Lab File ID: 2YJ1514.D

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

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

Sample wt/vol: 30.05(g) | Date Analyzed: 10/15/2014 17:34

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

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

% Moisture: 13.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | 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	77	U	77	38
56-55-3	Benzo[a]anthracene	77	U	77	38
50-32-8	Benzo[a]pyrene	77	U	77	14
205-99-2	Benzo[b]fluoranthene	77	U	77	38
191-24-2	Benzo[g,h,i]perylene	77	U	77	38
207-08-9	Benzo[k]fluoranthene	77	U	77	23
218-01-9	Chrysene	77	U	77	38
53-70-3	Dibenz(a,h)anthracene	77	U	77	38
206-44-0	Fluoranthene	77	U	77	38
86-73-7	Fluorene	77	U	77	38
193-39-5	Indeno[1,2,3-cd]pyrene	77	U	77	38
90-12-0	1-Methylnaphthalene	77	U	77	36
91-57-6	2-Methylnaphthalene	77	U	77	38
91-20-3	Naphthalene	77	U	77	38
85-01-8	Phenanthrene	77	U	77	28
129-00-0	Pyrene	77	U	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\20141015-13789.b\2YJ1514.D				
Lims ID:	680-106200-A-4-A	Lab Sample ID:	680-106200-4		
Client ID:	CV0005Y-CS18				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 17:34:30	ALS Bottle#:	12	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	106200-A-4-A 1:10				
Misc. Info.:	680-0013789-014				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:11:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.861	2.856	0.005	98	142369	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	92	78367	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	119572	2.00	
* 4 Chrysene-d12	240	8.996	8.996	0.000	99	96208	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	81212	2.00	

Reagents:

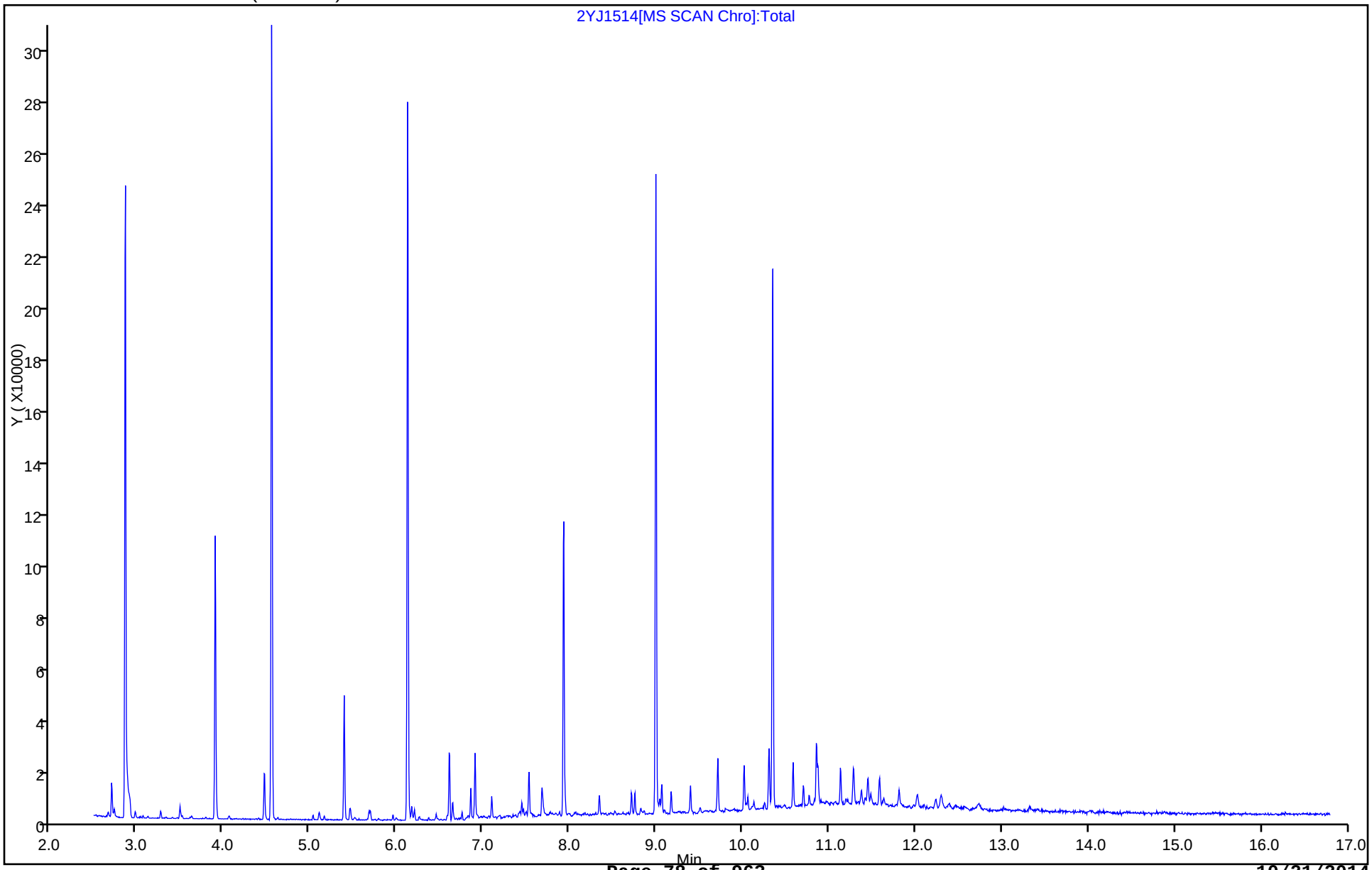
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:15 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1514.D				
Injection Date:	15-Oct-2014 17:34:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-4-A	Lab Sample ID:	680-106200-4	Worklist Smp#:	14
Client ID:	CV0005Y-CS18				
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)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005Y-CS24 | Lab Sample ID: 680-106200-5

Matrix: Solid | Lab File ID: 2YJ1515.D

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

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

Sample wt/vol: 30.10(g) | Date Analyzed: 10/15/2014 17:56

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

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

% Moisture: 14.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	78	U	78	39
208-96-8	Acenaphthylene	78	U	78	39
120-12-7	Anthracene	78	U	78	39
56-55-3	Benzo[a]anthracene	78	U	78	39
50-32-8	Benzo[a]pyrene	78	U	78	14
205-99-2	Benzo[b]fluoranthene	78	U	78	39
191-24-2	Benzo[g,h,i]perylene	78	U	78	39
207-08-9	Benzo[k]fluoranthene	78	U	78	23
218-01-9	Chrysene	78	U	78	39
53-70-3	Dibenz(a,h)anthracene	78	U	78	39
206-44-0	Fluoranthene	78	U	78	39
86-73-7	Fluorene	78	U	78	39
193-39-5	Indeno[1,2,3-cd]pyrene	78	U	78	39
90-12-0	1-Methylnaphthalene	78	U	78	36
91-57-6	2-Methylnaphthalene	78	U	78	39
91-20-3	Naphthalene	78	U	78	39
85-01-8	Phenanthrene	28	J	78	28
129-00-0	Pyrene	78	U	78	39

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\20141015-13789.b\2YJ1515.D				
Lims ID:	680-106200-A-5-A	Lab Sample ID:	680-106200-5		
Client ID:	CV0005Y-CS24				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 17:56:30	ALS Bottle#:	13	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	106200-A-5-A 1:10				
Misc. Info.:	680-0013789-015				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:12:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.861	2.856	0.005	98	152295	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	92	83671	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	128943	2.00	
* 4 Chrysene-d12	240	8.996	8.996	0.000	99	106642	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	91558	2.00	
9 1-Methylnaphthalene	142	3.605	3.605	0.000	90	2600	0.0509	
15 Phenanthrene	178	6.151	6.151	0.000	95	5565	0.0721	

Reagents:

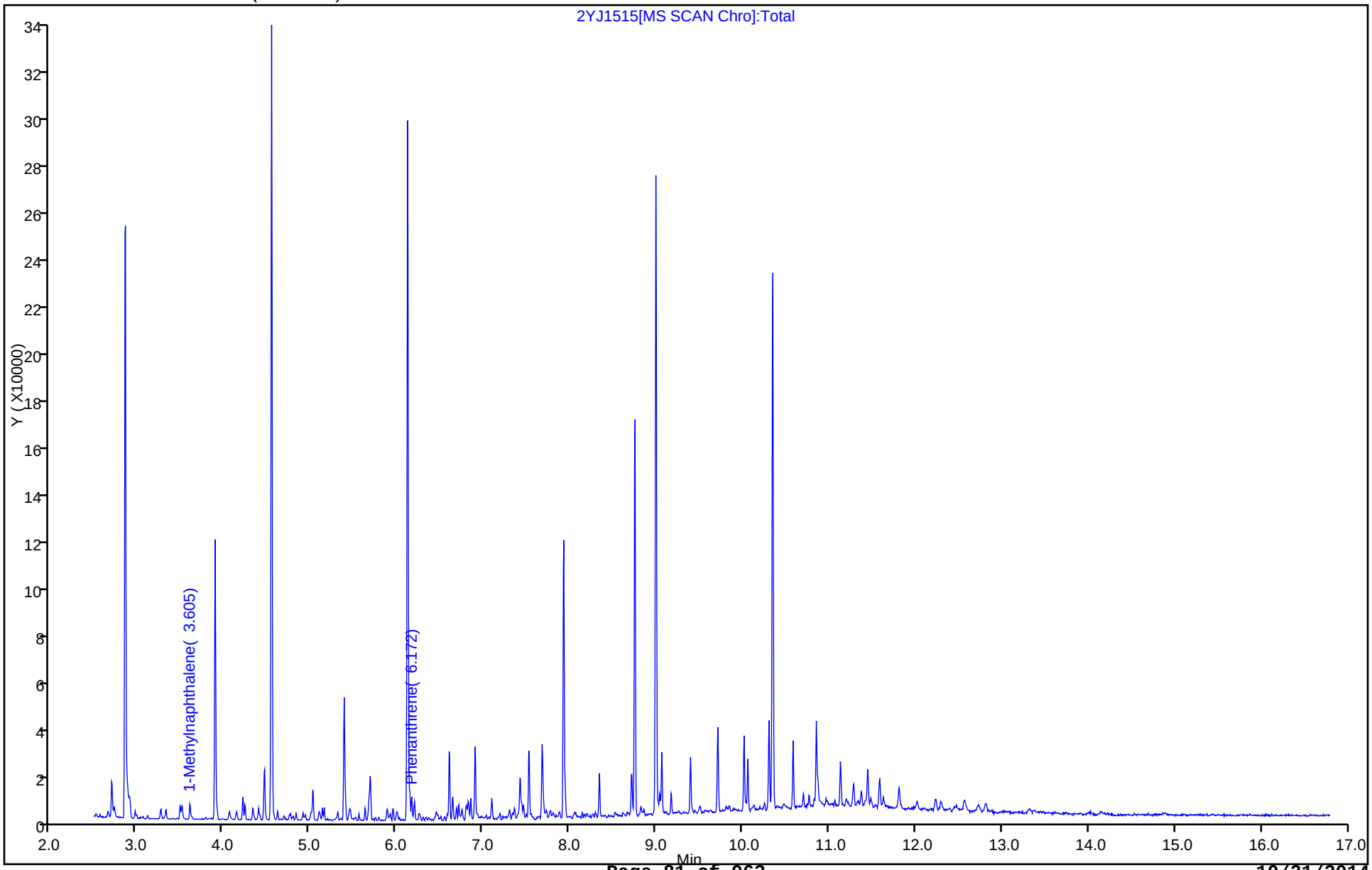
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1515.D				
Injection Date:	15-Oct-2014 17:56:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-5-A	Lab Sample ID:	680-106200-5	Worklist Smp#:	15
Client ID:	CV0005Y-CS24				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	13
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

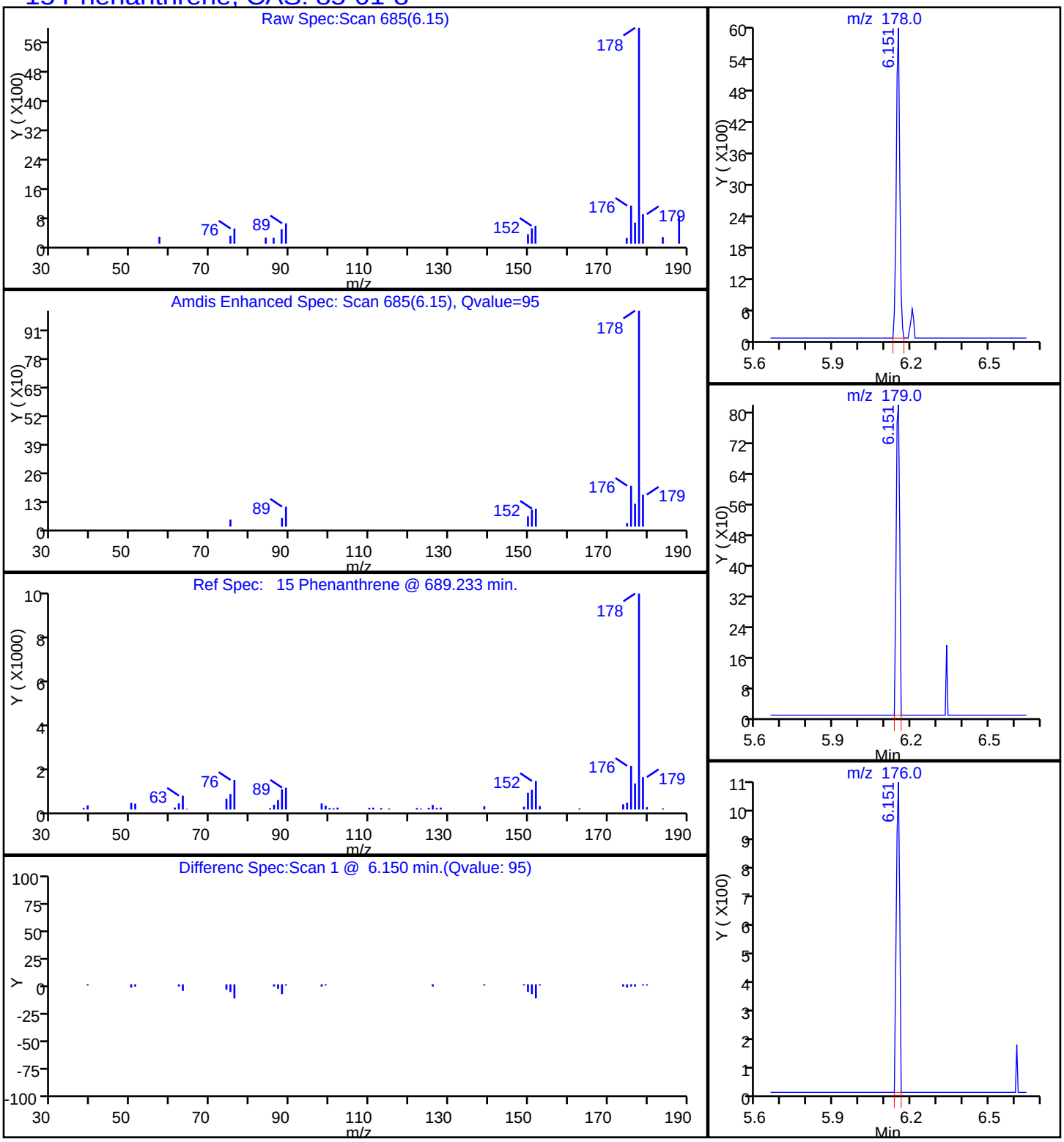


Report Date: 16-Oct-2014 08:47:16 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1515.D				
Injection Date:	15-Oct-2014 17:56:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-5-A	Lab Sample ID:	680-106200-5		
Client ID:	CV0005Y-CS24				
Operator ID:	RM	ALS Bottle#:	13	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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005AA-CS6 | Lab Sample ID: 680-106200-6

Matrix: Solid | Lab File ID: 2YJ1516.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 14:00

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

Sample wt/vol: 30.07(g) | Date Analyzed: 10/15/2014 18:18

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

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

% Moisture: 9.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	73
208-96-8	Acenaphthylene	150	U	150	73
120-12-7	Anthracene	150	U	150	73
56-55-3	Benzo[a]anthracene	360		150	73
50-32-8	Benzo[a]pyrene	440		150	26
205-99-2	Benzo[b]fluoranthene	630		150	73
191-24-2	Benzo[g,h,i]perylene	280		150	73
207-08-9	Benzo[k]fluoranthene	250		150	44
218-01-9	Chrysene	480		150	73
53-70-3	Dibenz(a,h)anthracene	110	J	150	73
206-44-0	Fluoranthene	560		150	73
86-73-7	Fluorene	150	U	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	220		150	73
90-12-0	1-Methylnaphthalene	150	U	150	68
91-57-6	2-Methylnaphthalene	150	U	150	73
91-20-3	Naphthalene	150	U	150	73
85-01-8	Phenanthrene	240		150	53
129-00-0	Pyrene	630		150	73

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 18:18:30	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	106200-A-6-A 1:20				
Misc. Info.:	680-0013789-016				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:13:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.861	2.856	0.005	98	147816	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	91	79345	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	128587	2.00	
* 4 Chrysene-d12	240	8.996	8.996	0.000	99	111481	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	92635	2.00	
7 Naphthalene	128	2.877	2.877	0.000	99	5297	0.0657	
8 2-Methylnaphthalene	142	3.519	3.514	0.005	60	4093	0.0766	
9 1-Methylnaphthalene	142	3.605	3.605	0.000	93	3300	0.0666	
11 Acenaphthylene	152	4.402	4.396	0.006	98	5690	0.0740	
15 Phenanthrene	178	6.151	6.151	0.000	96	25087	0.3260	
16 Anthracene	178	6.204	6.204	0.000	97	5559	0.0726	
17 Fluoranthene	202	7.445	7.445	0.000	98	62634	0.7679	
18 Pyrene	202	7.680	7.680	0.000	97	62937	0.8628	
19 Benzo[a]anthracene	228	8.991	8.991	0.000	97	32021	0.4911	
20 Chrysene	228	9.023	9.023	0.000	99	40227	0.6480	
21 Benzo[b]fluoranthene	252	10.023	10.023	0.000	98	51987	0.8533	
22 Benzo[k]fluoranthene	252	10.044	10.050	-0.006	99	20119	0.3401	M
23 Benzo[a]pyrene	252	10.296	10.296	0.000	97	30287	0.6044	
24 Indeno[1,2,3-cd]pyrene	276	11.200	11.200	0.000	99	18560	0.3033	
25 Dibenz(a,h)anthracene	278	11.226	11.227	-0.001	96	6406	0.1463	
26 Benzo[g,h,i]perylene	276	11.419	11.424	-0.005	98	17586	0.3850	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

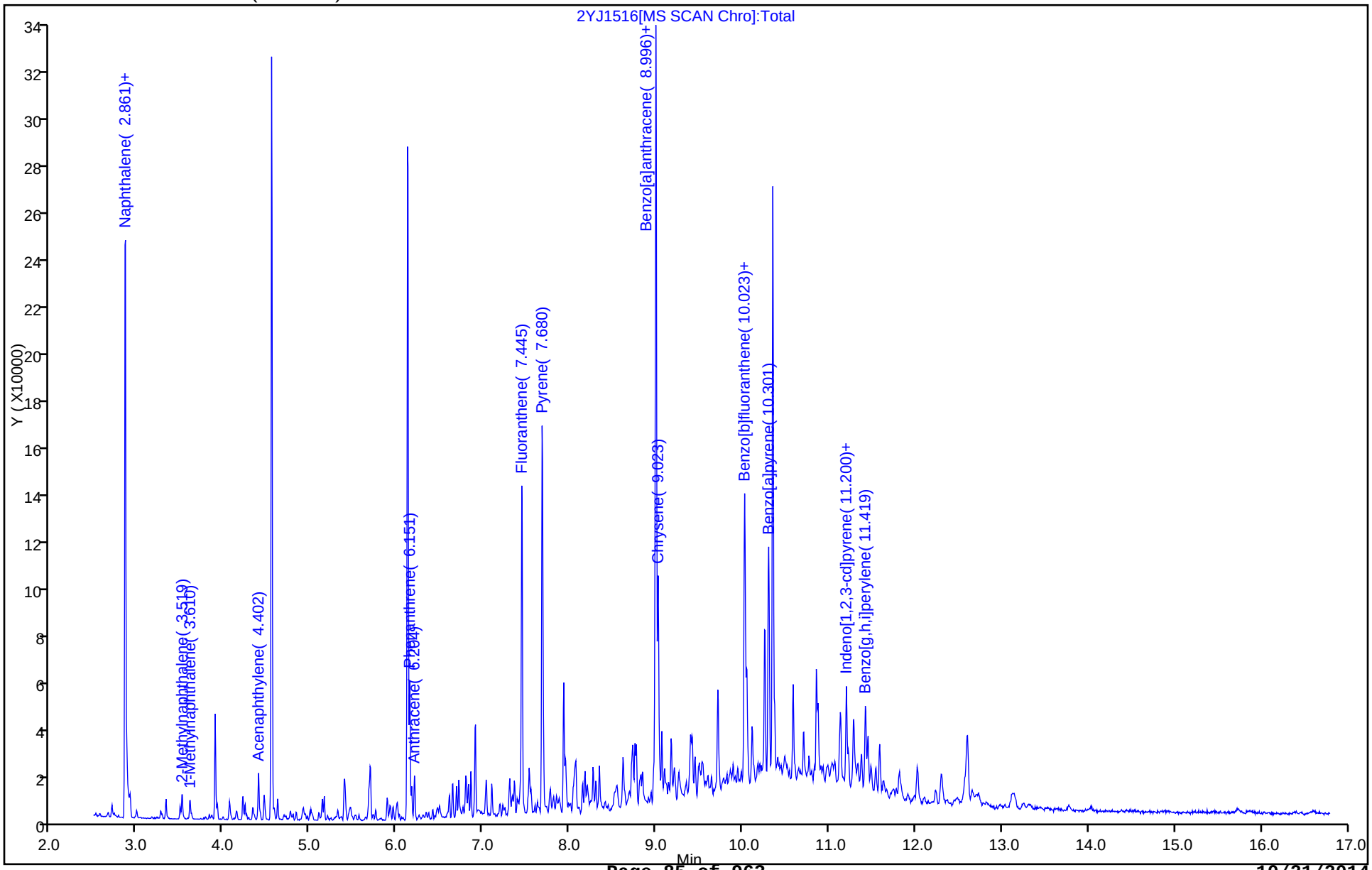
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6	Worklist Smp#:	16
Client ID:	CV0005AA-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	14
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

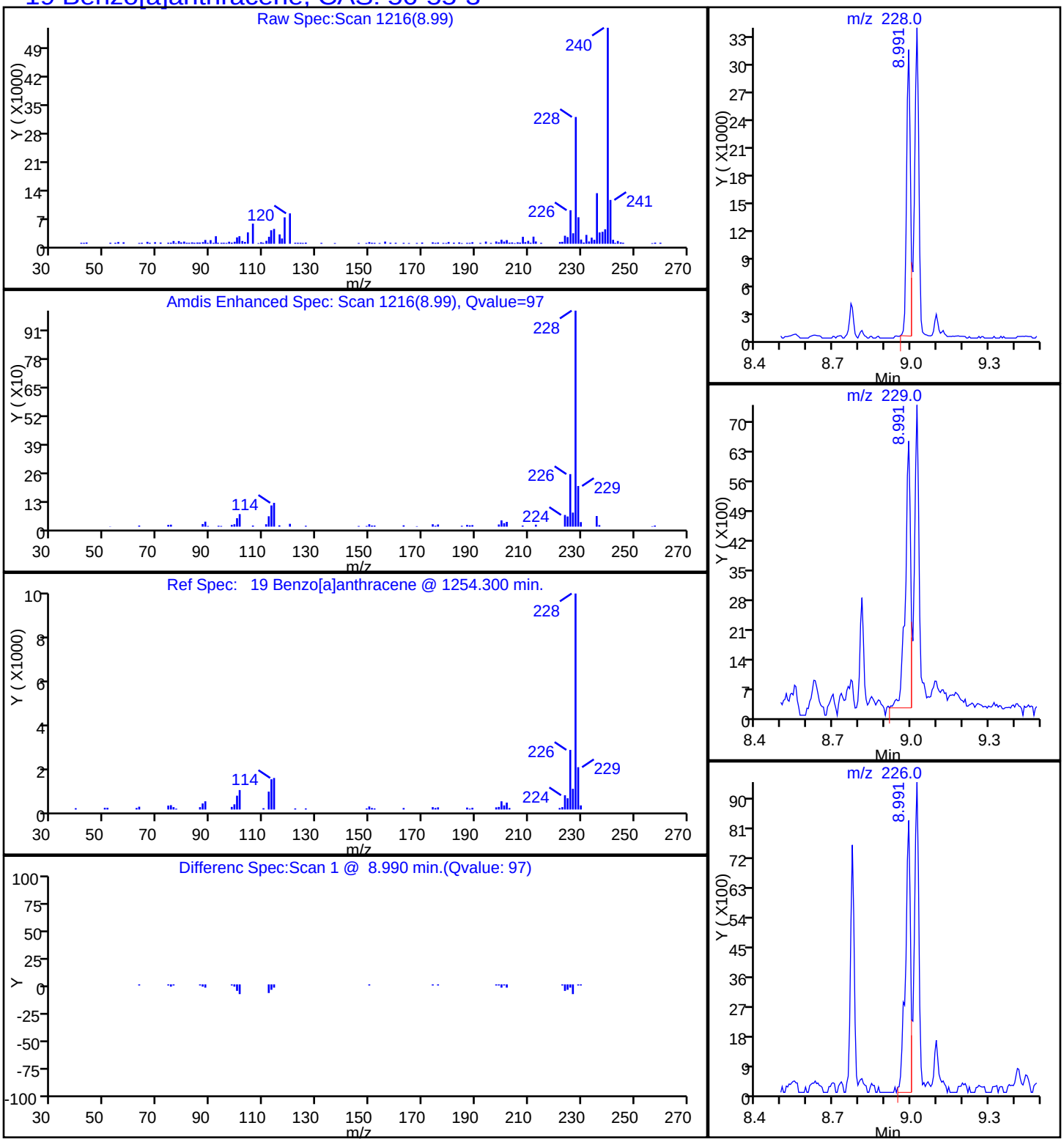


Report Date: 16-Oct-2014 08:47:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

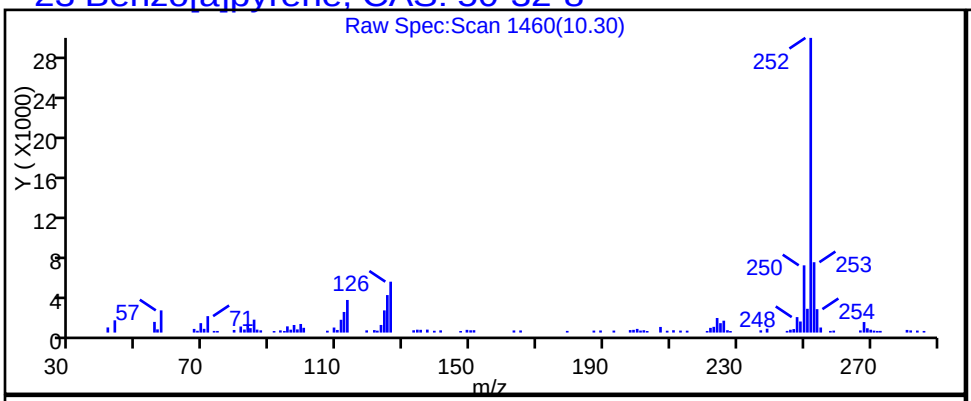


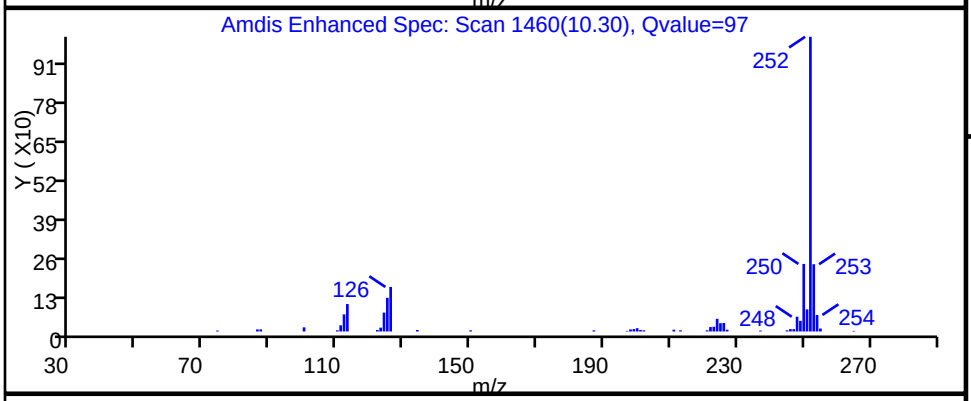
Report Date: 16-Oct-2014 08:47:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

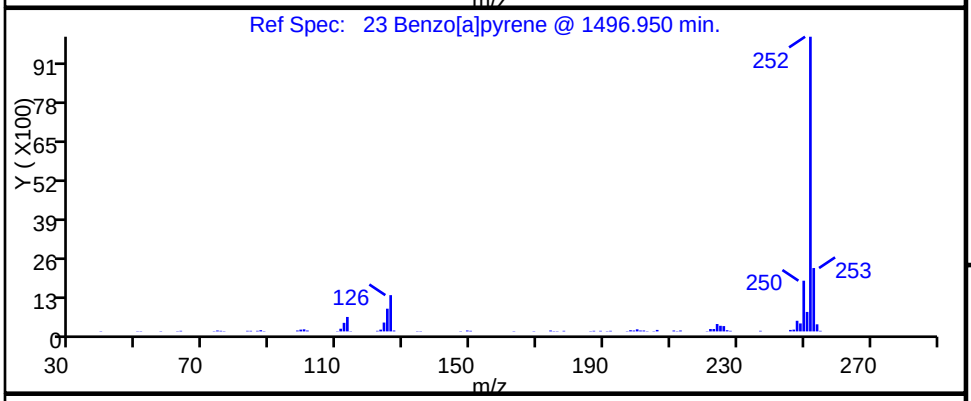
TestAmerica Savannah

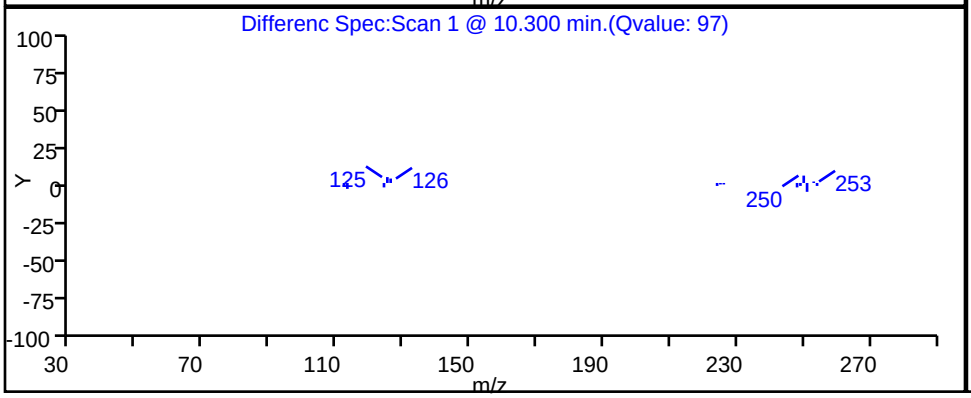
Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

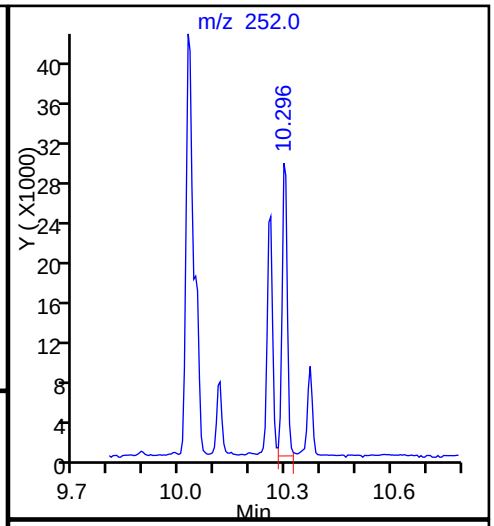
23 Benzo[a]pyrene, CAS: 50-32-8

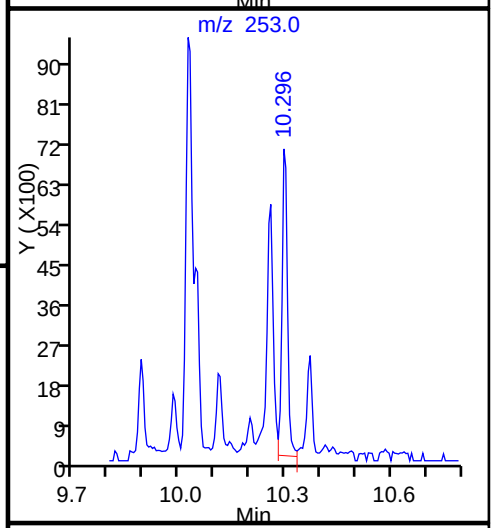


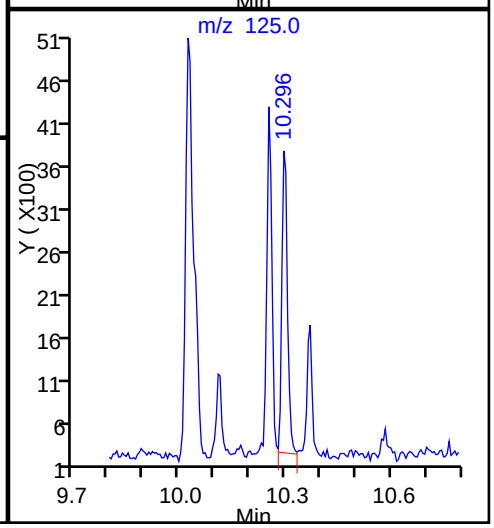










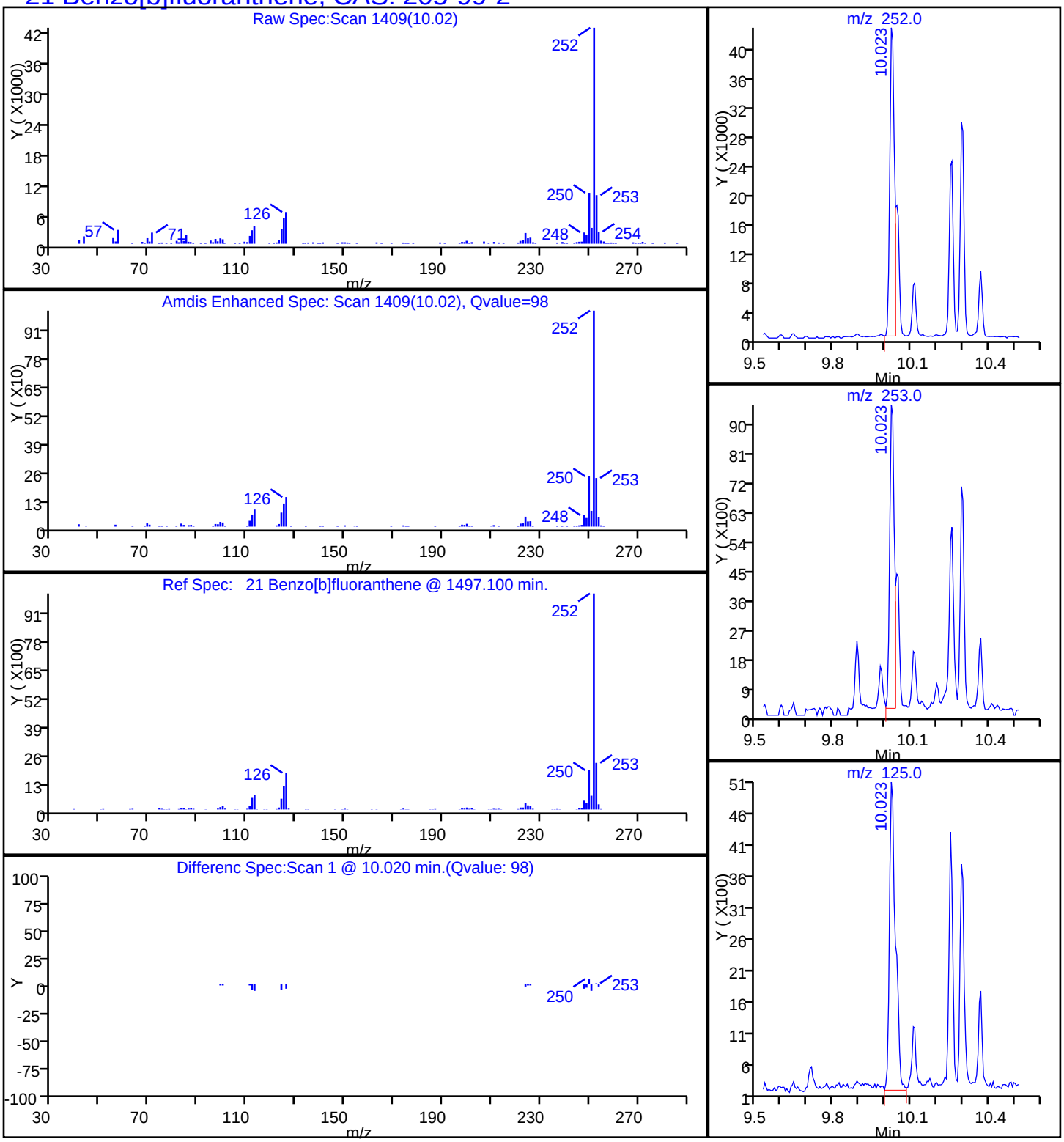


Report Date: 16-Oct-2014 08:47:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

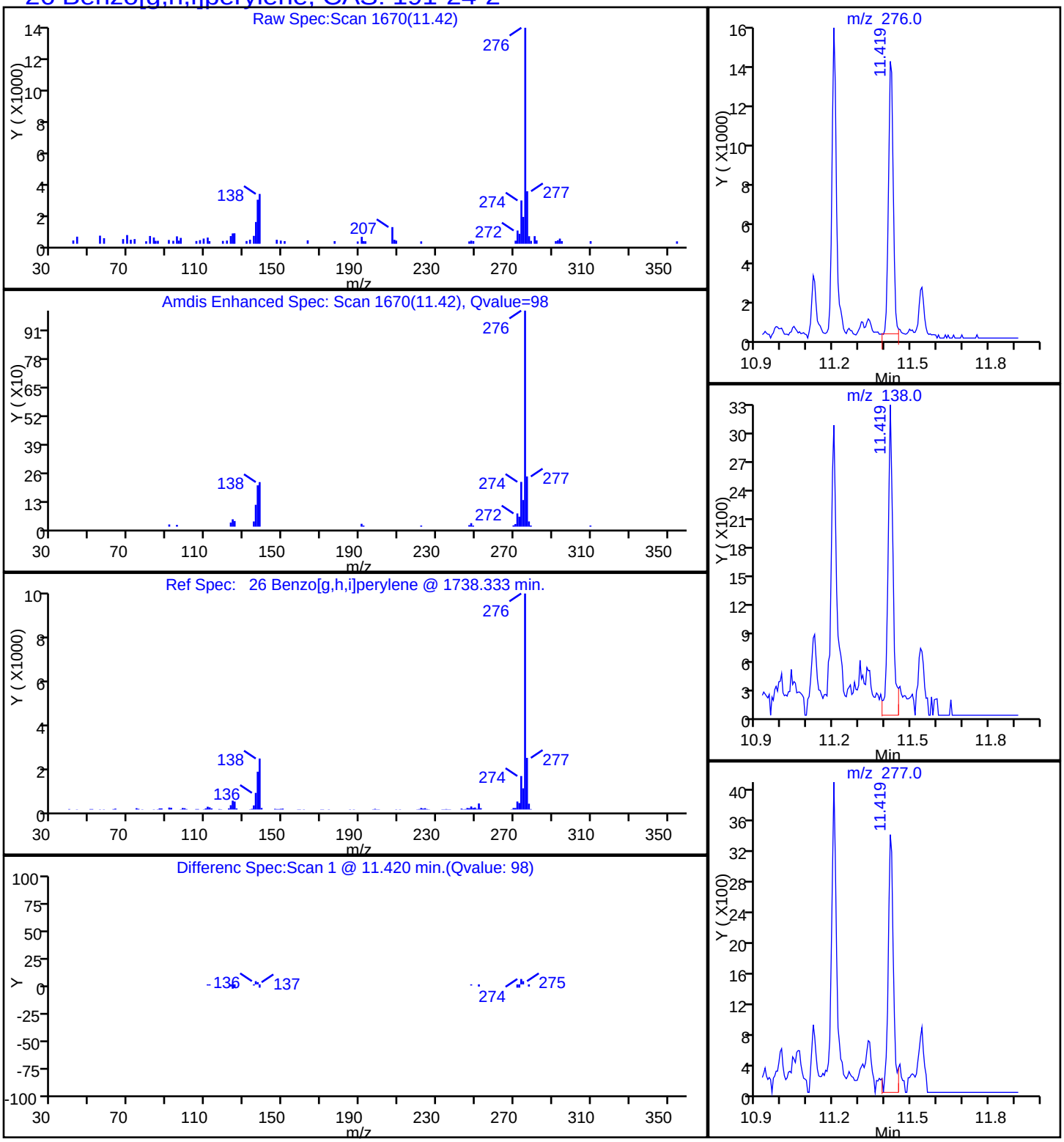


Report Date: 16-Oct-2014 08:47:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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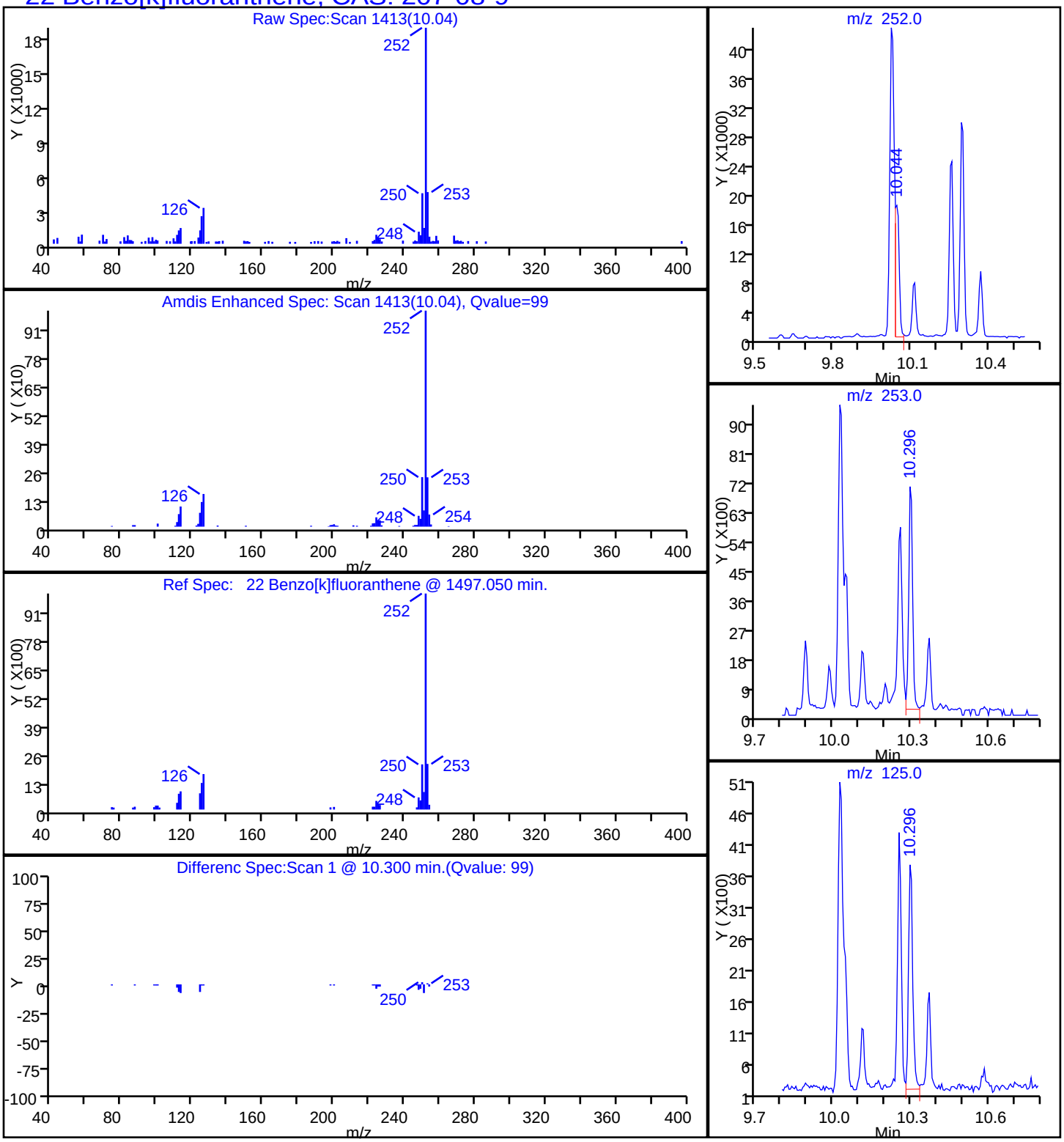
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

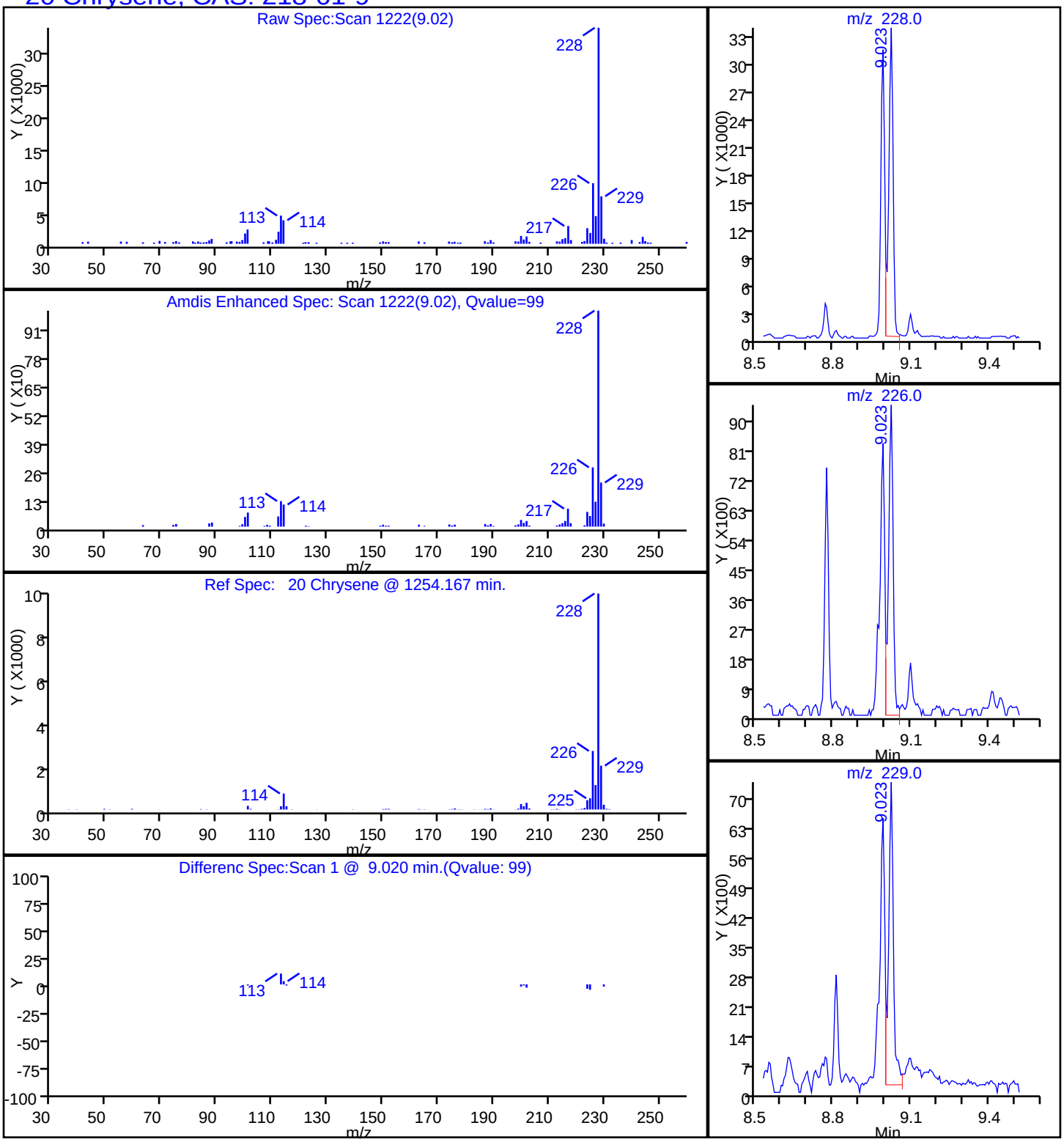


Report Date: 16-Oct-2014 08:47:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

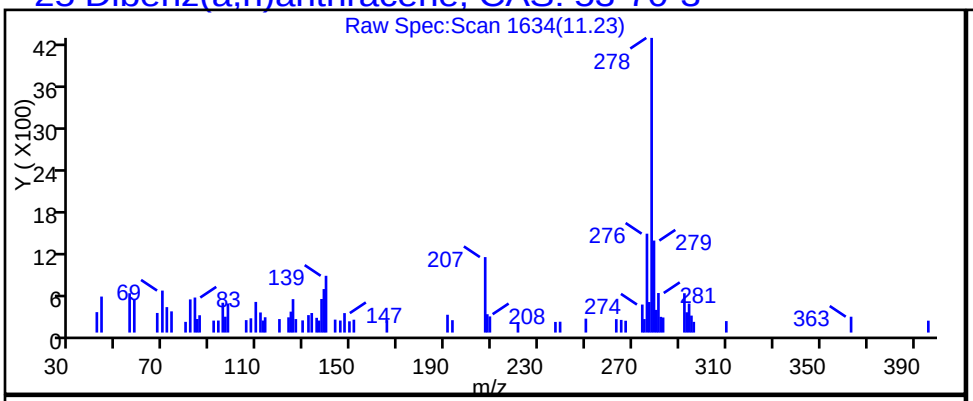


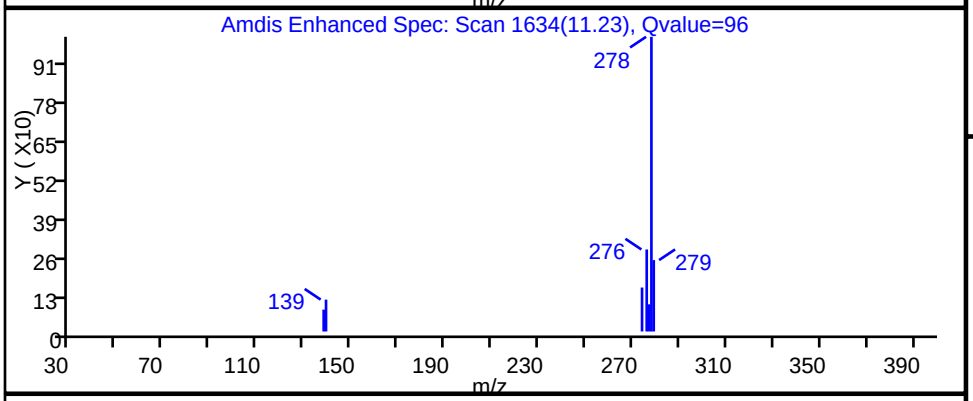
Report Date: 16-Oct-2014 08:47:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

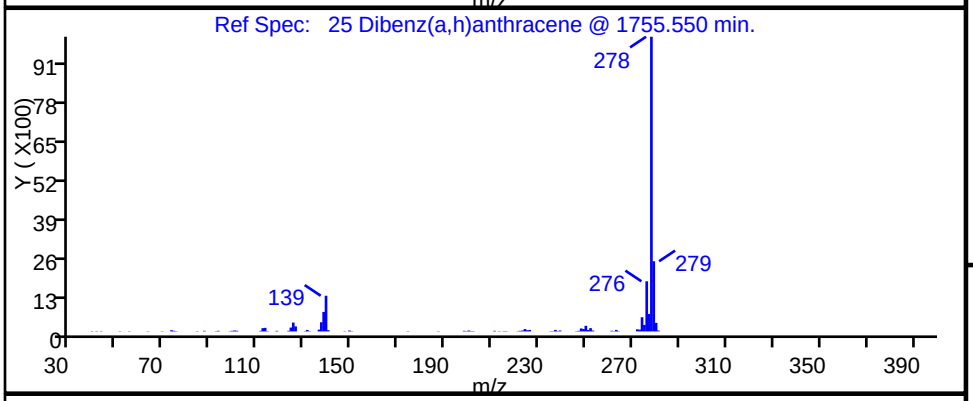
TestAmerica Savannah

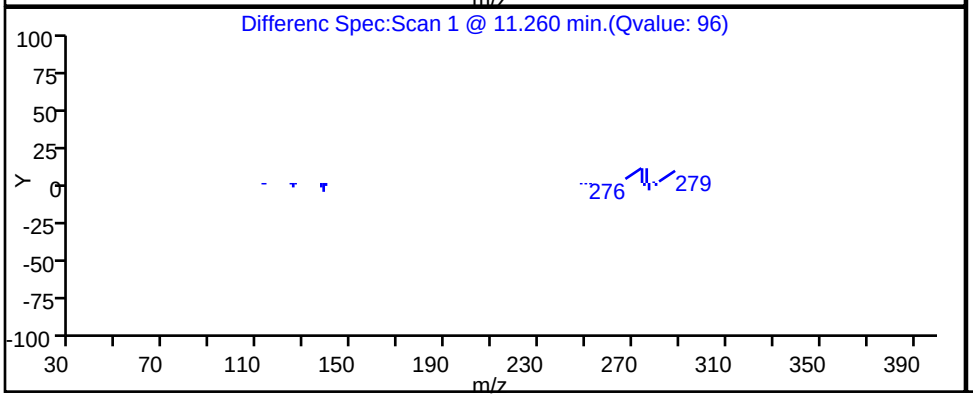
Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

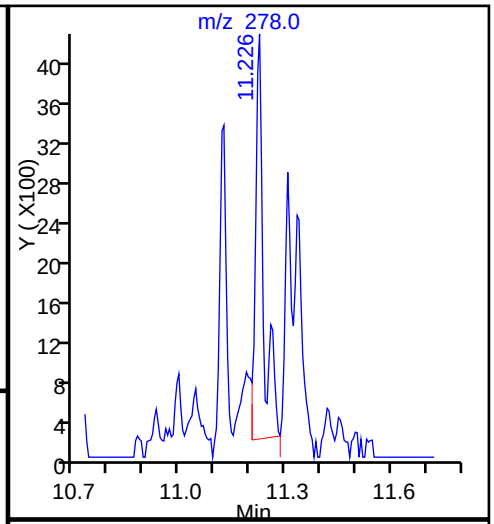
25 Dibenz(a,h)anthracene, CAS: 53-70-3

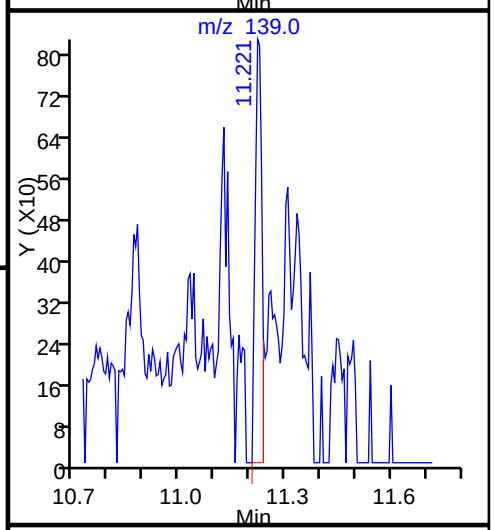


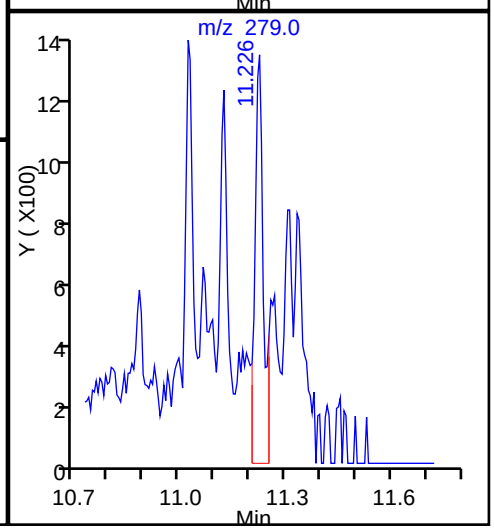










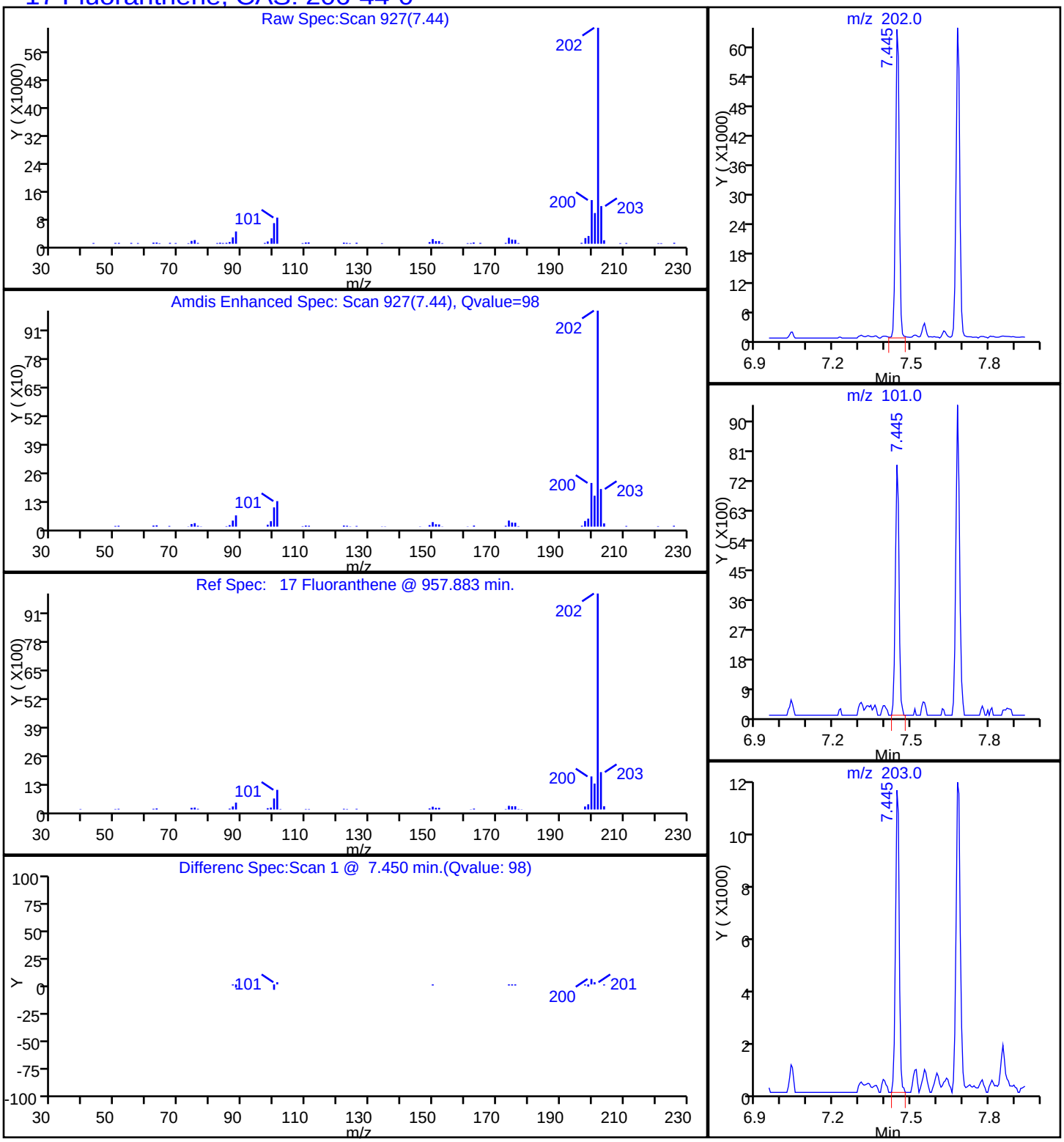


Report Date: 16-Oct-2014 08:47:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

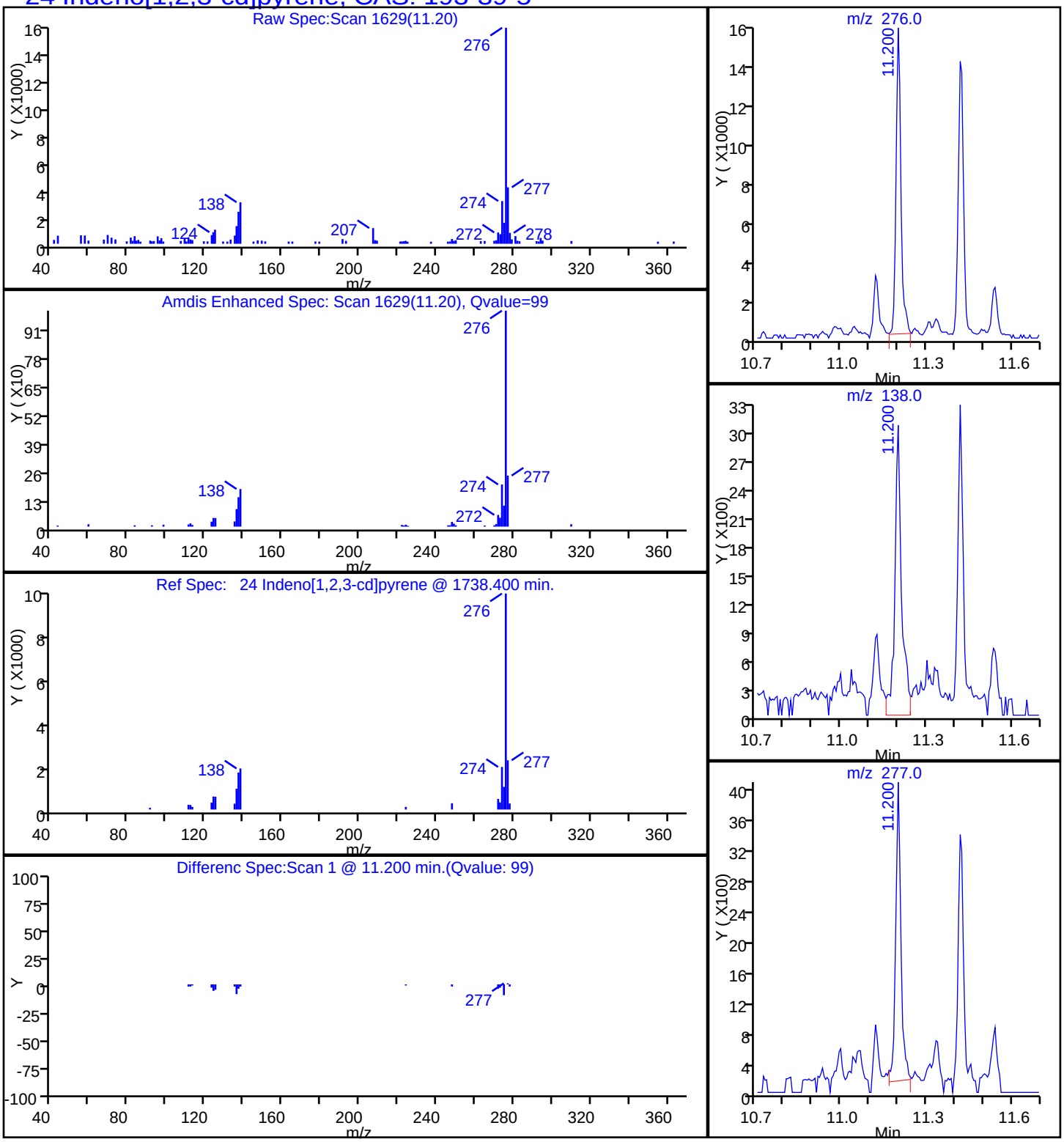


Report Date: 16-Oct-2014 08:47:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

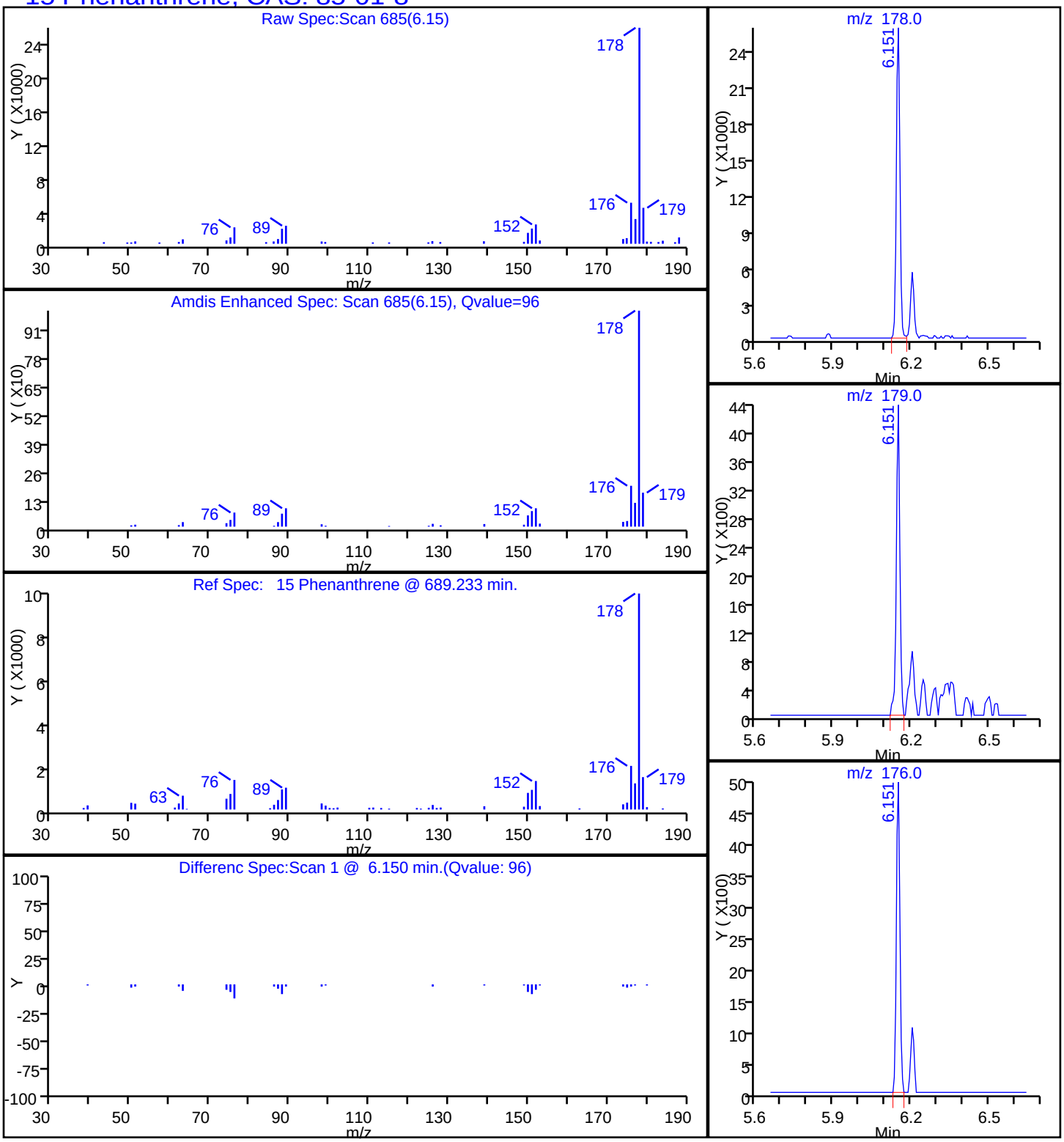


Report Date: 16-Oct-2014 08:47:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

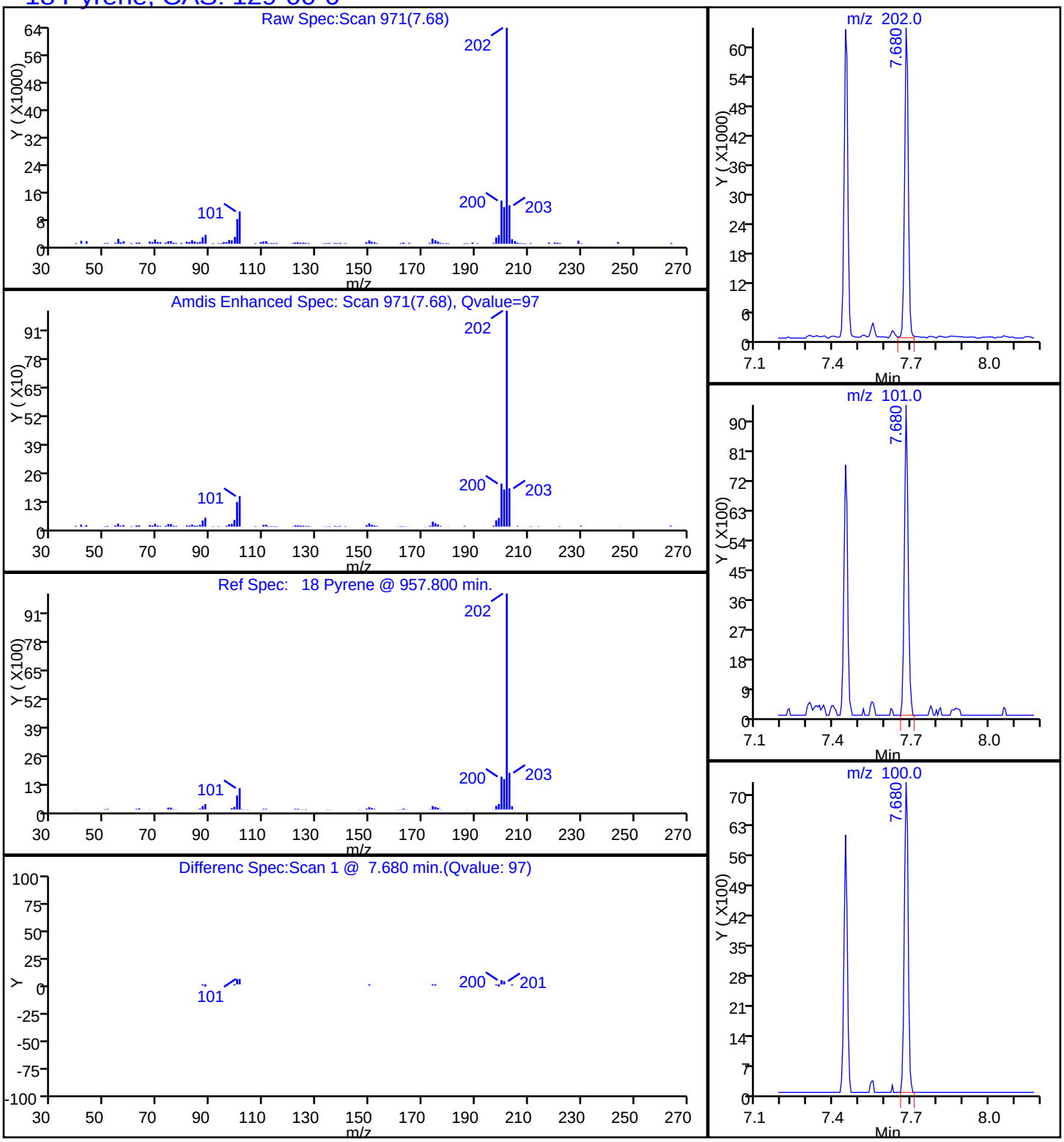


Report Date: 16-Oct-2014 08:47:17 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

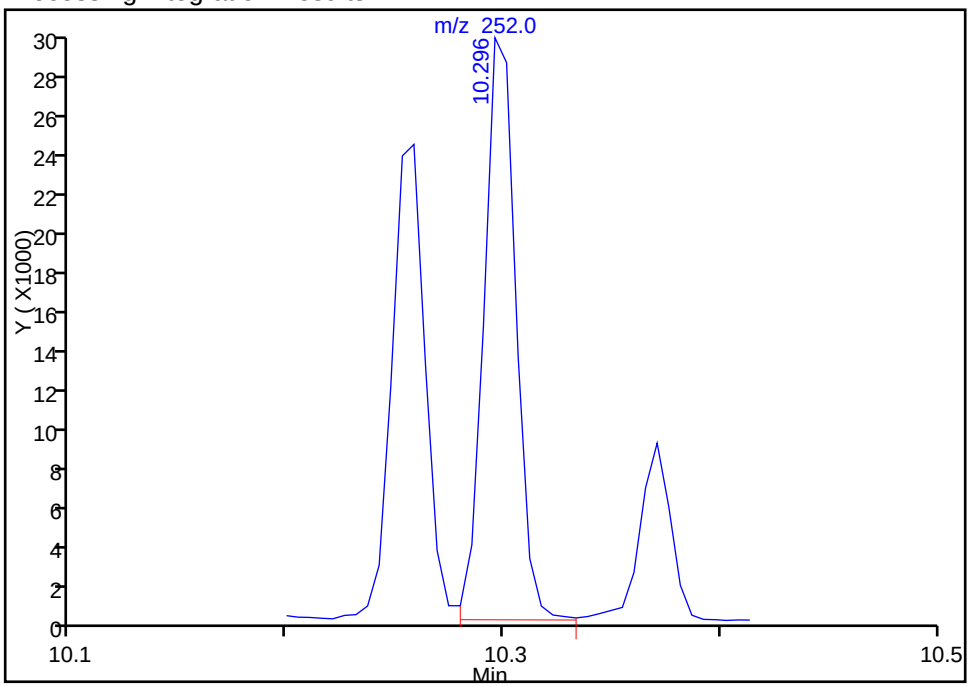
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1516.D				
Injection Date:	15-Oct-2014 18:18:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-6-A	Lab Sample ID:	680-106200-6		
Client ID:	CV0005AA-CS6				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

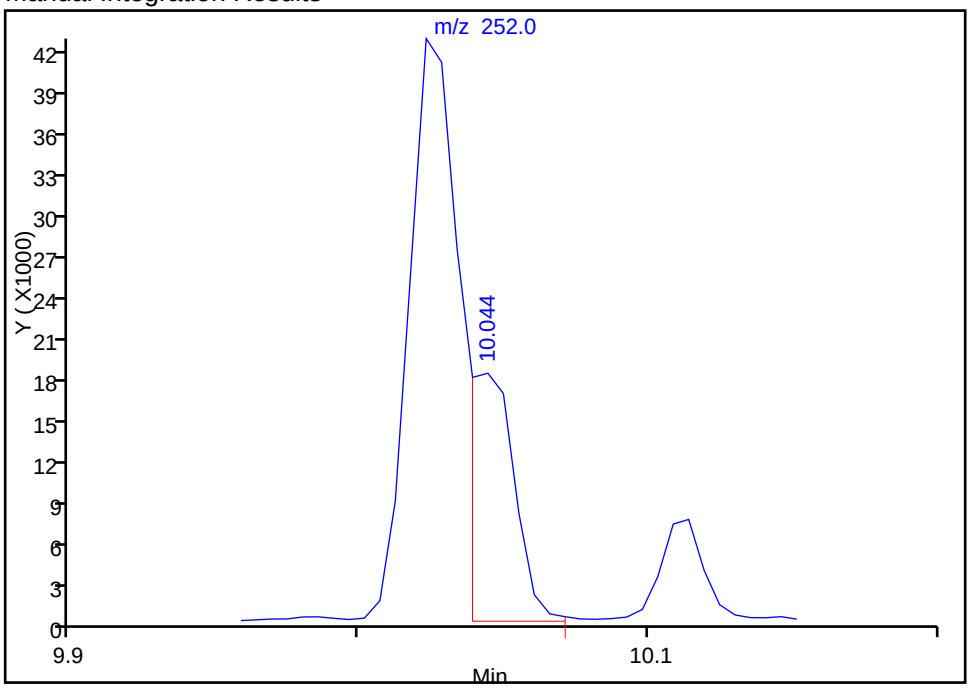
Processing Integration Results

RT: 10.30
Response: 30076
Amount: 0.508745



Manual Integration Results

RT: 10.04
Response: 20119
Amount: 0.340075



Reviewer: webbk, 16-Oct-2014 08:13:38
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005AA-CS12 | Lab Sample ID: 680-106200-7

Matrix: Solid | Lab File ID: 2YJ1517.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 14:10

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

Sample wt/vol: 30.05(g) | Date Analyzed: 10/15/2014 18:40

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

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

% Moisture: 9.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	51	J	74	36
208-96-8	Acenaphthylene	74	U	74	36
120-12-7	Anthracene	110		74	36
56-55-3	Benzo[a]anthracene	400		74	36
50-32-8	Benzo[a]pyrene	360		74	13
205-99-2	Benzo[b]fluoranthene	510		74	36
191-24-2	Benzo[g,h,i]perylene	210		74	36
207-08-9	Benzo[k]fluoranthene	220		74	22
218-01-9	Chrysene	470		74	36
53-70-3	Dibenz(a,h)anthracene	41	J	74	36
206-44-0	Fluoranthene	930		74	36
86-73-7	Fluorene	42	J	74	36
193-39-5	Indeno[1,2,3-cd]pyrene	160		74	36
90-12-0	1-Methylnaphthalene	41	J	74	34
91-57-6	2-Methylnaphthalene	74	U	74	36
91-20-3	Naphthalene	74	U	74	36
85-01-8	Phenanthrene	560		74	26
129-00-0	Pyrene	730		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\20141015-13789.b\2YJ1517.D				
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 18:40:30	ALS Bottle#:	15	Worklist Smp#:	17
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	106200-A-7-A 1:10				
Misc. Info.:	680-0013789-017				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:14:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.856	2.856	0.000	98	133104	2.00	
* 2 Acenaphthene-d10	164	4.552	4.546	0.006	92	77334	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	130978	2.00	
* 4 Chrysene-d12	240	9.002	8.996	0.006	99	130247	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	100457	2.00	
8 2-Methylnaphthalene	142	3.514	3.514	0.000	65	4114	0.0855	
9 1-Methylnaphthalene	142	3.605	3.605	0.000	91	5033	0.1127	
12 Acenaphthene	153	4.584	4.584	0.000	94	6731	0.1398	
14 Fluorene	166	5.129	5.129	0.000	95	6041	0.1137	
15 Phenanthrene	178	6.151	6.151	0.000	96	119068	1.52	
16 Anthracene	178	6.204	6.204	0.000	99	23267	0.2985	
17 Fluoranthene	202	7.450	7.445	0.005	98	209815	2.53	
18 Pyrene	202	7.686	7.680	0.006	97	170224	2.00	
19 Benzo[a]anthracene	228	8.991	8.991	0.000	98	83042	1.09	
20 Chrysene	228	9.023	9.023	0.000	99	92447	1.28	
21 Benzo[b]fluoranthene	252	10.029	10.023	0.006	98	91677	1.39	
22 Benzo[k]fluoranthene	252	10.045	10.050	-0.005	99	38550	0.6015	M
23 Benzo[a]pyrene	252	10.301	10.296	0.005	97	52895	0.9733	
24 Indeno[1,2,3-cd]pyrene	276	11.200	11.200	0.000	99	31996	0.4475	
25 Dibenz(a,h)anthracene	278	11.227	11.227	0.000	94	5254	0.1107	
26 Benzo[g,h,i]perylene	276	11.419	11.424	-0.005	98	28829	0.5818	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

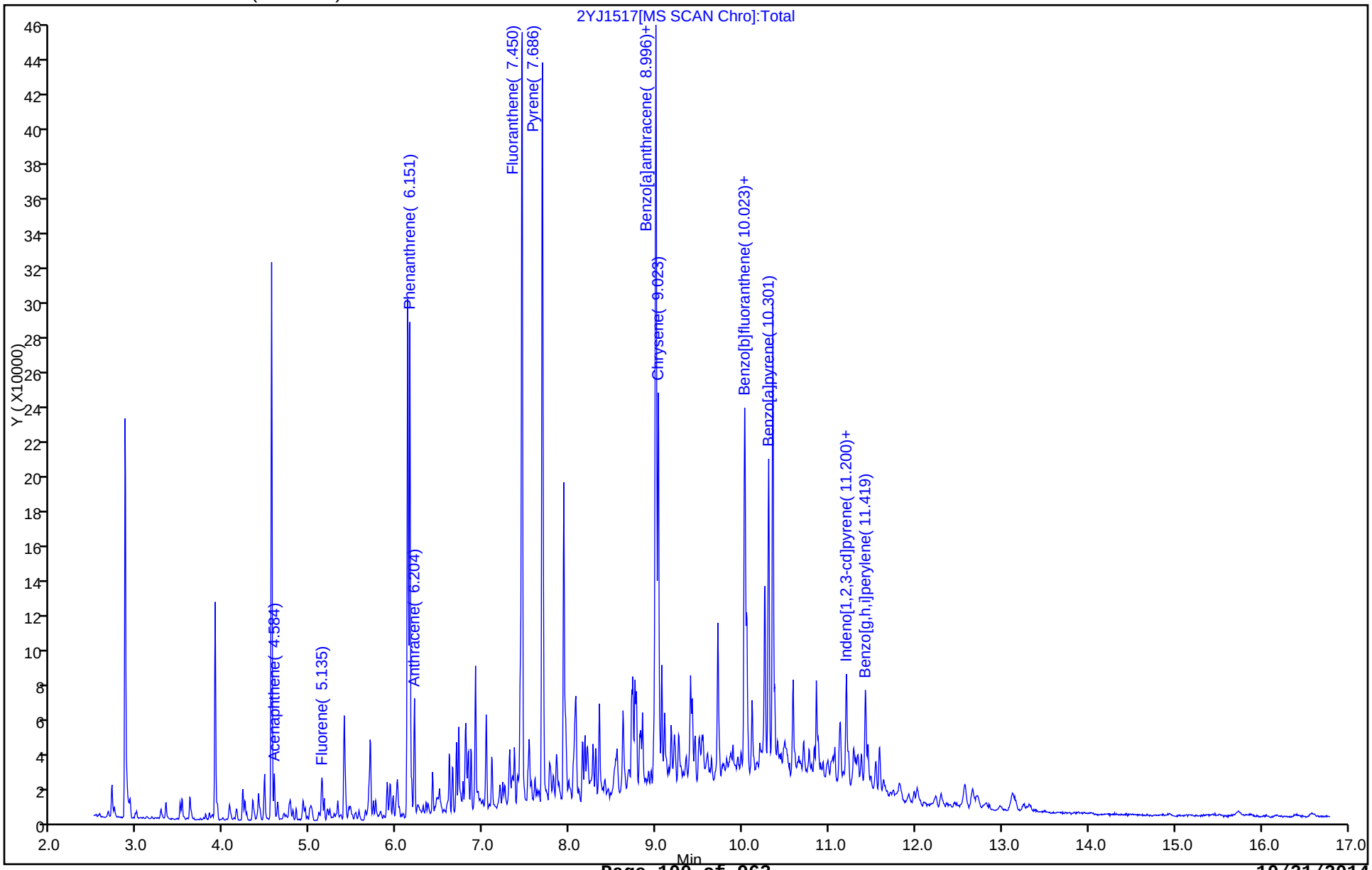
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1517.D				
Injection Date:	15-Oct-2014 18:40:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7	Worklist Smp#:	17
Client ID:	CV0005AA-CS12				
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)

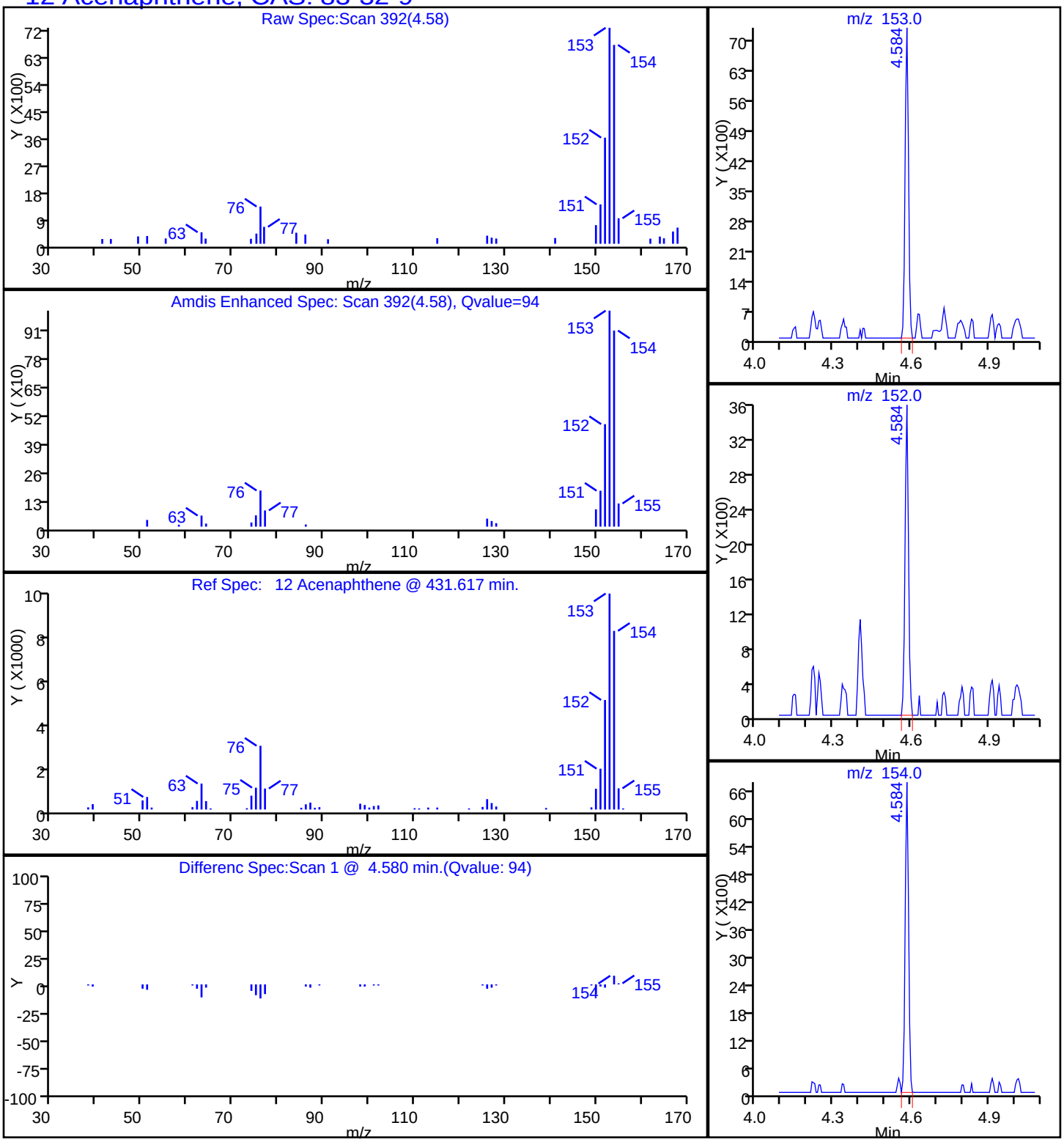


Report Date: 16-Oct-2014 08:47:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1517.D				
Injection Date:	15-Oct-2014 18:40:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	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



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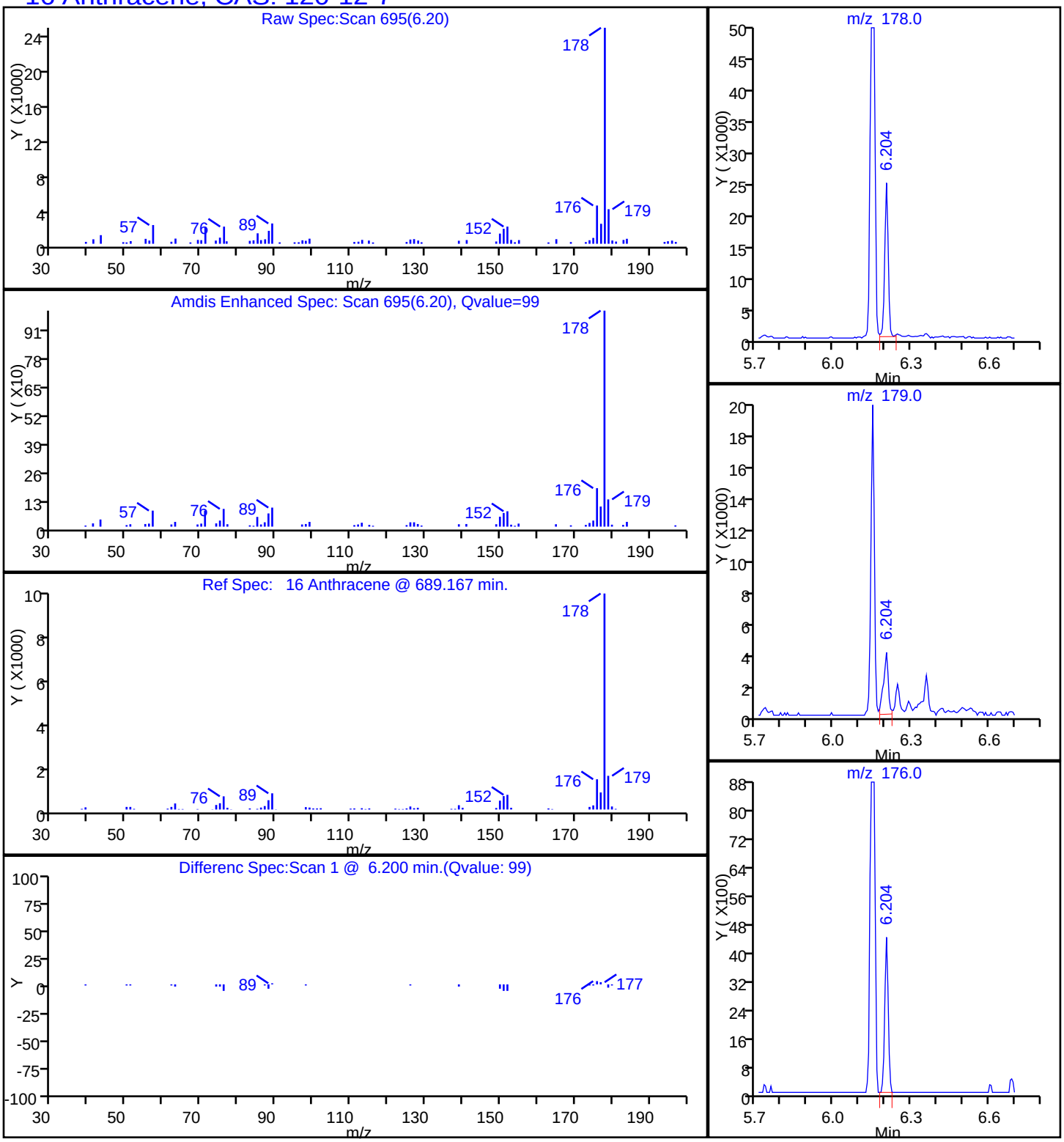
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1517.D				
Injection Date:	15-Oct-2014 18:40:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	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: 16-Oct-2014 08:47:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1517.D				
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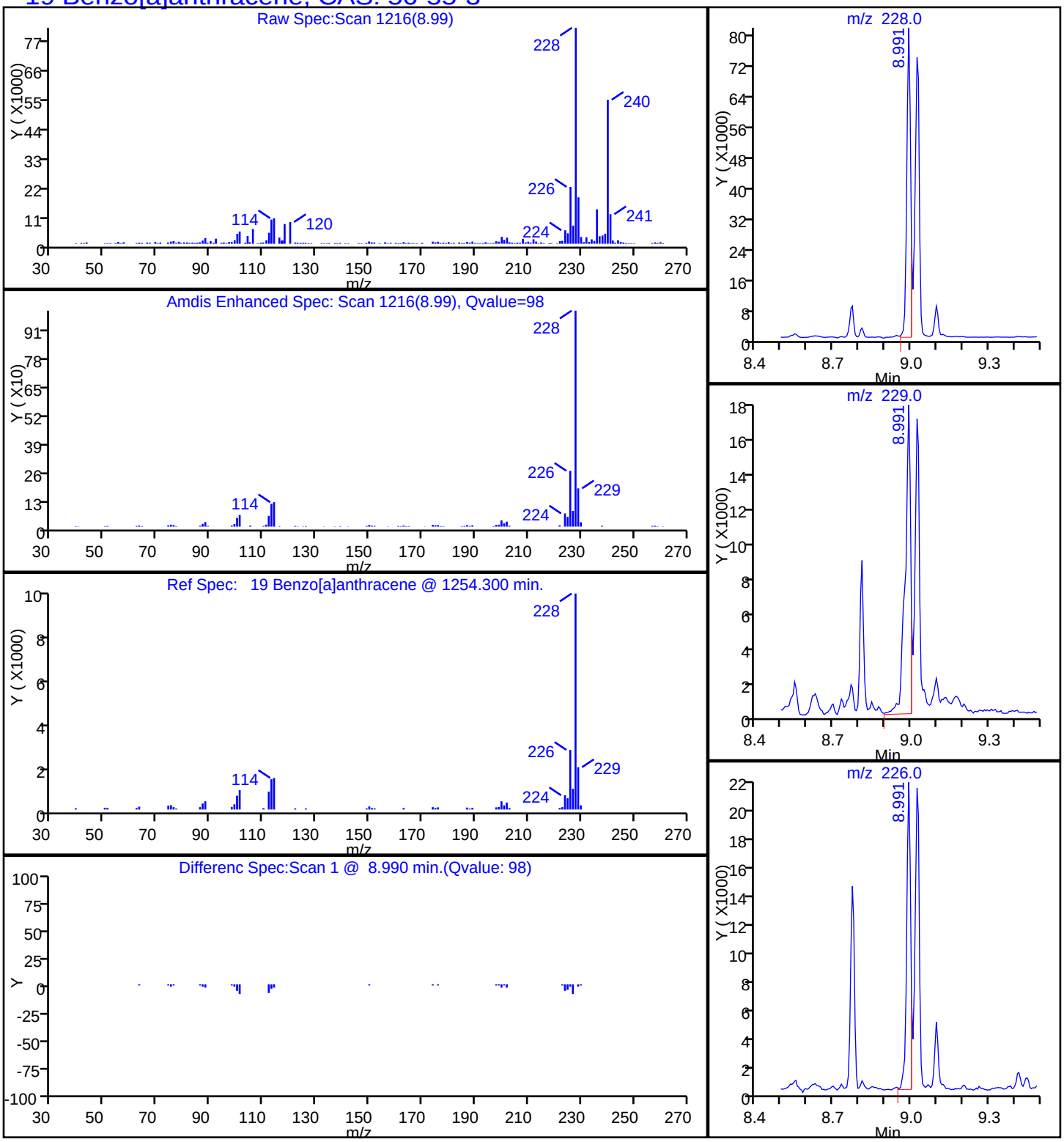
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	17
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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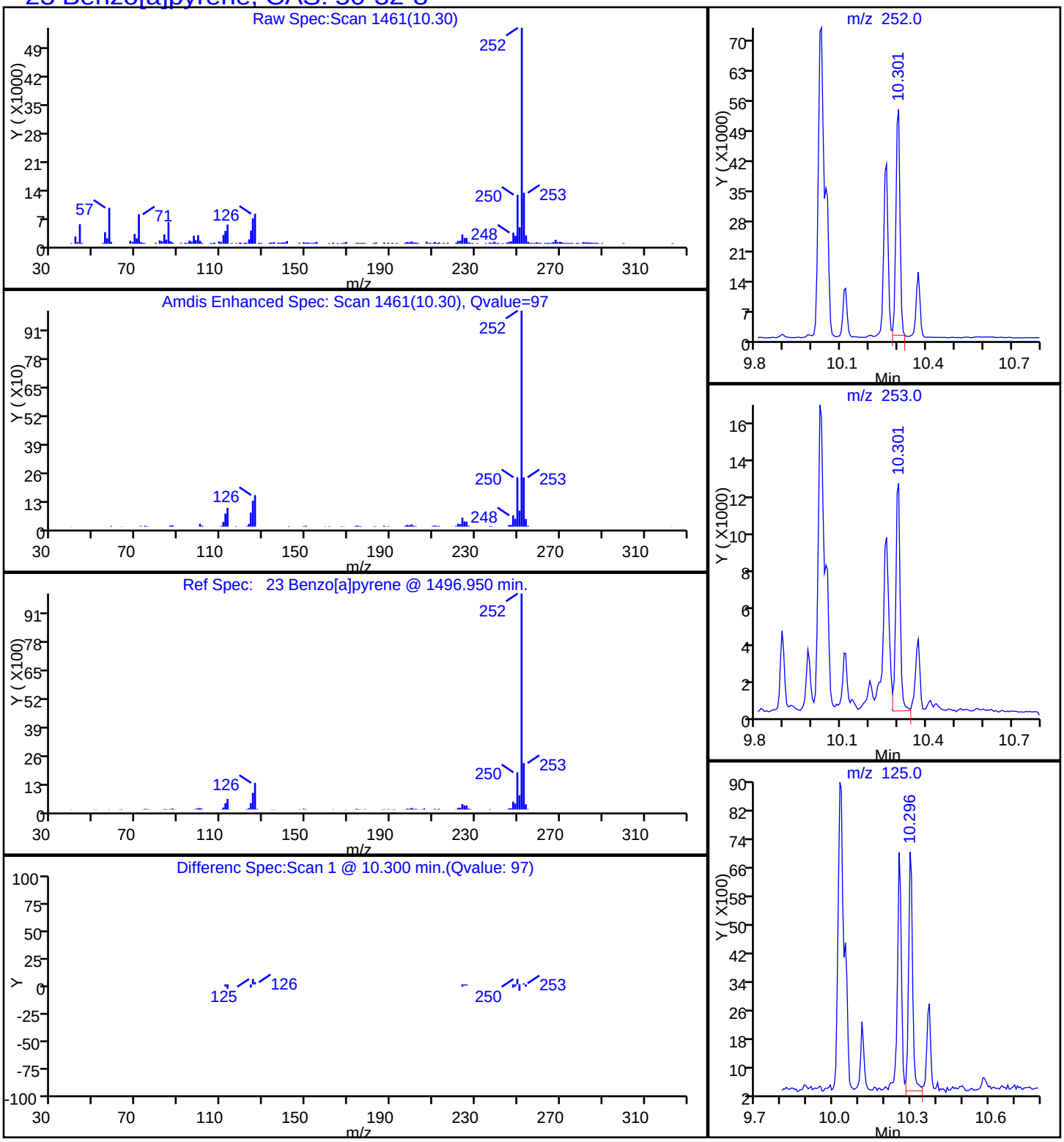
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	17
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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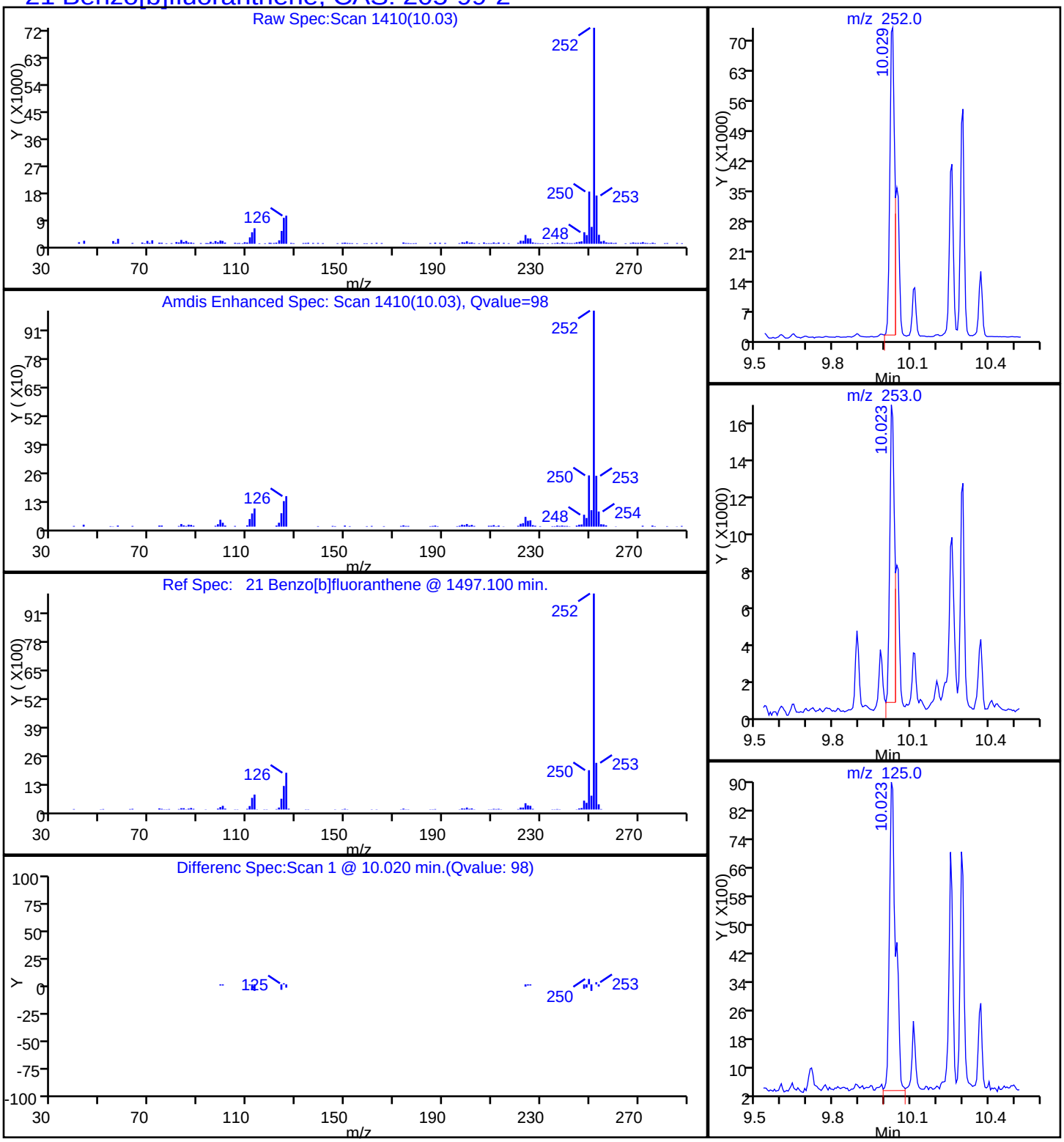
Injection Date:	15-Oct-2014 18:40:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	17
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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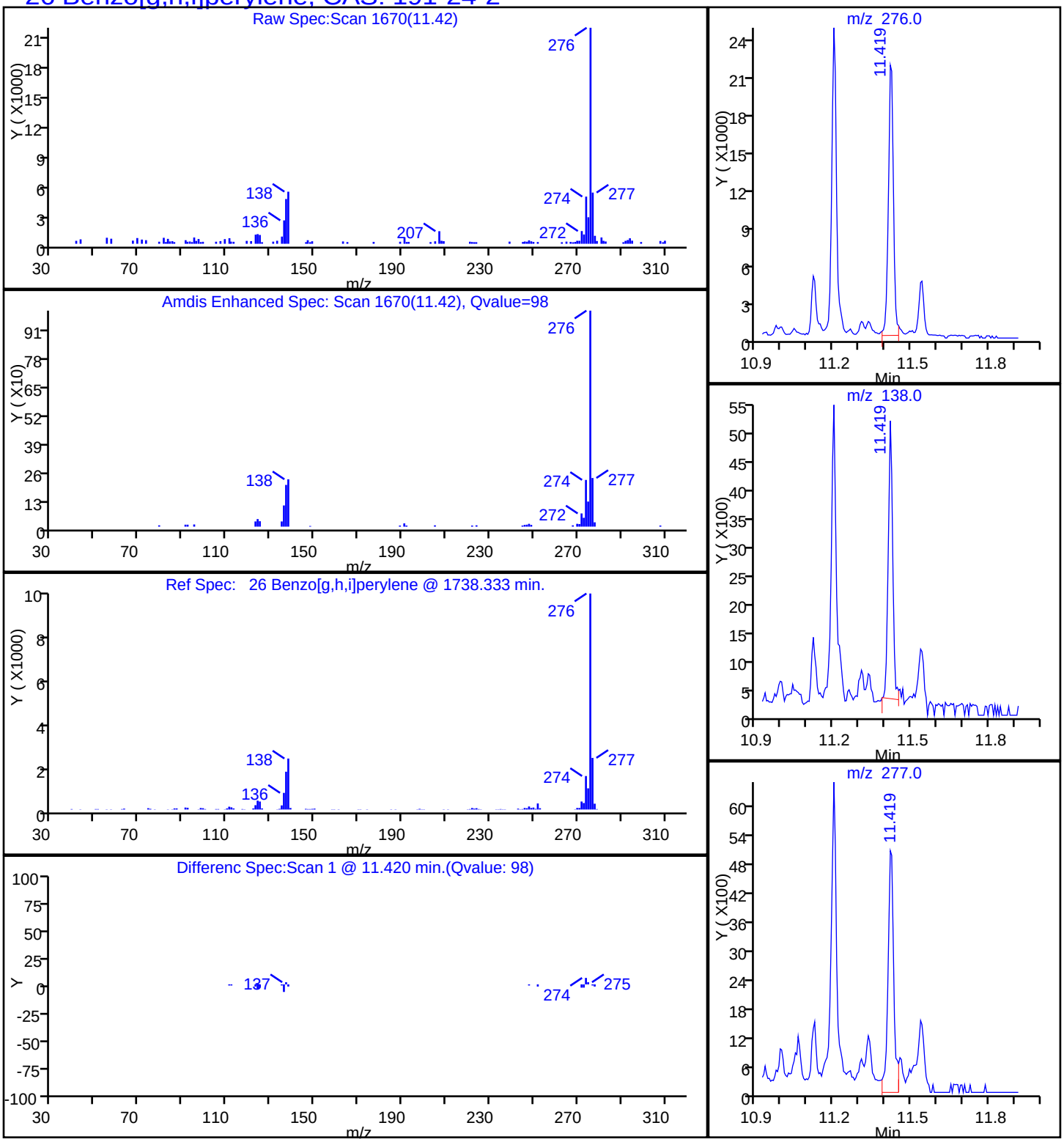
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	17
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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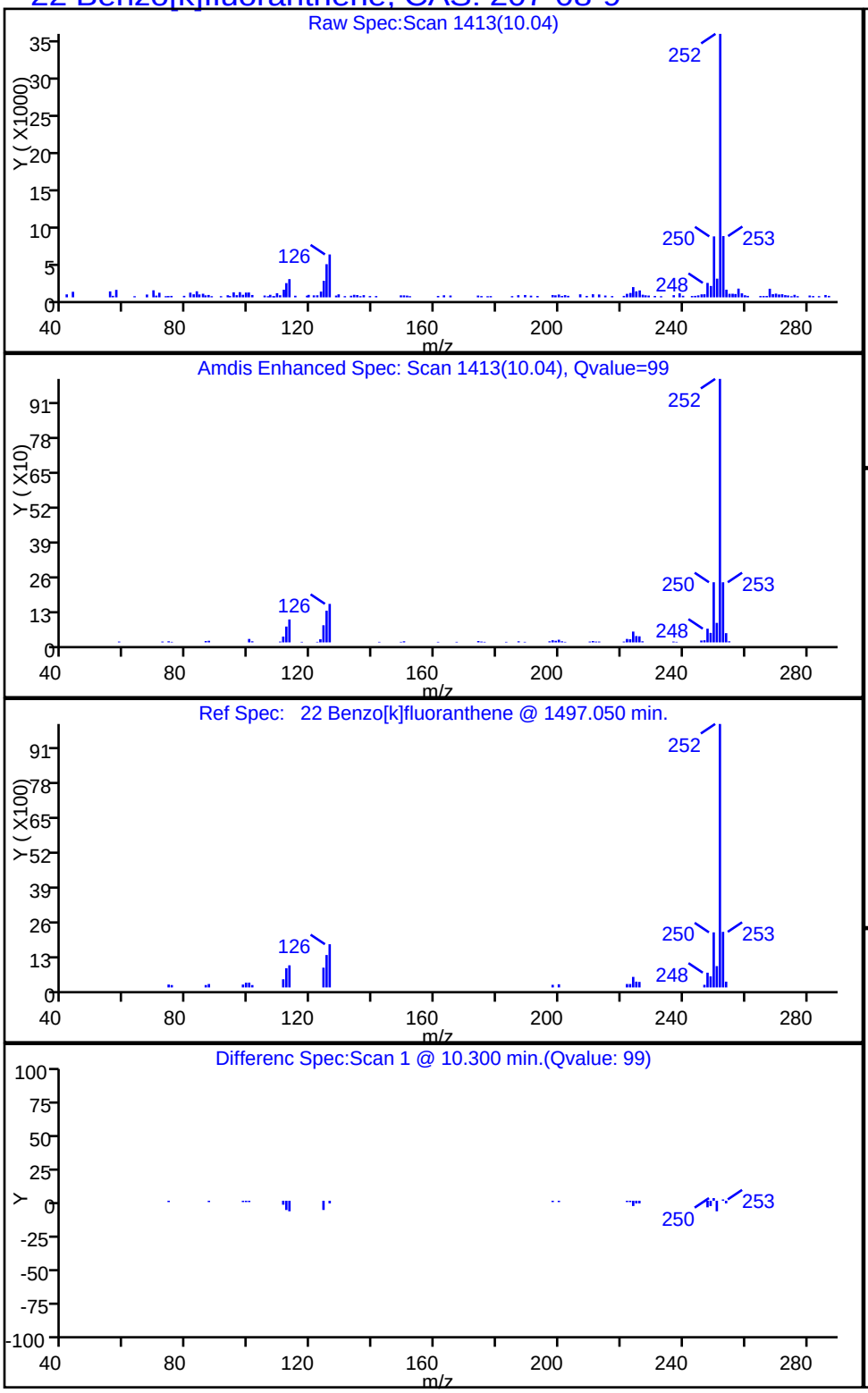
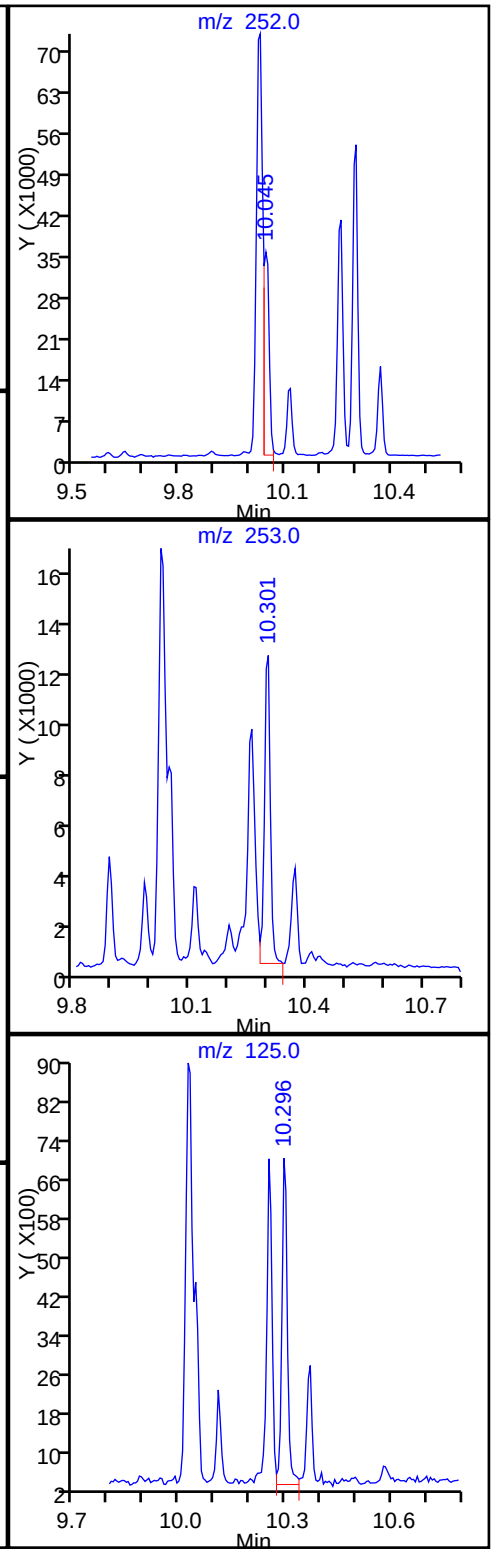
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	17
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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





Report Date: 16-Oct-2014 08:47:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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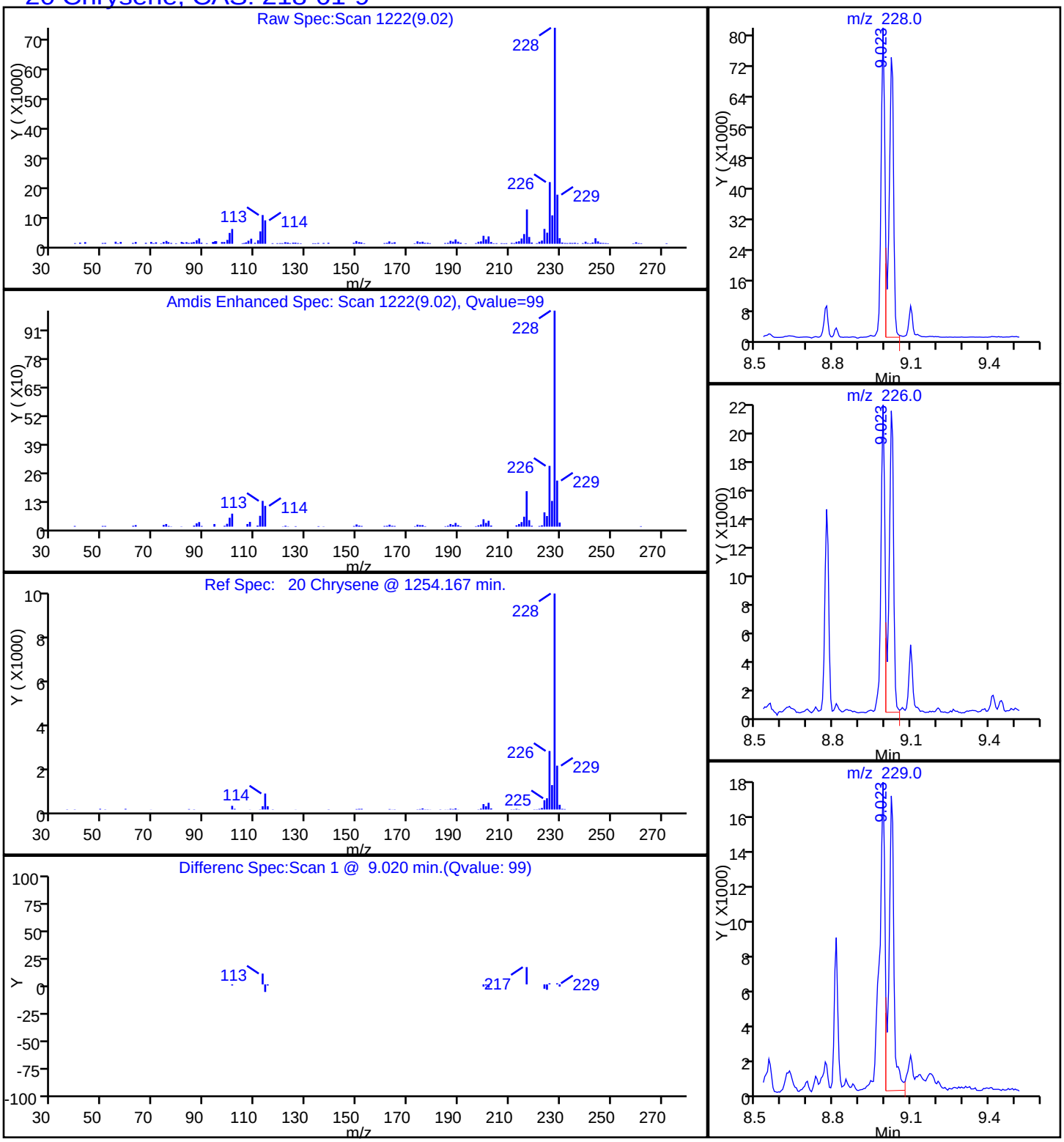
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	17
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

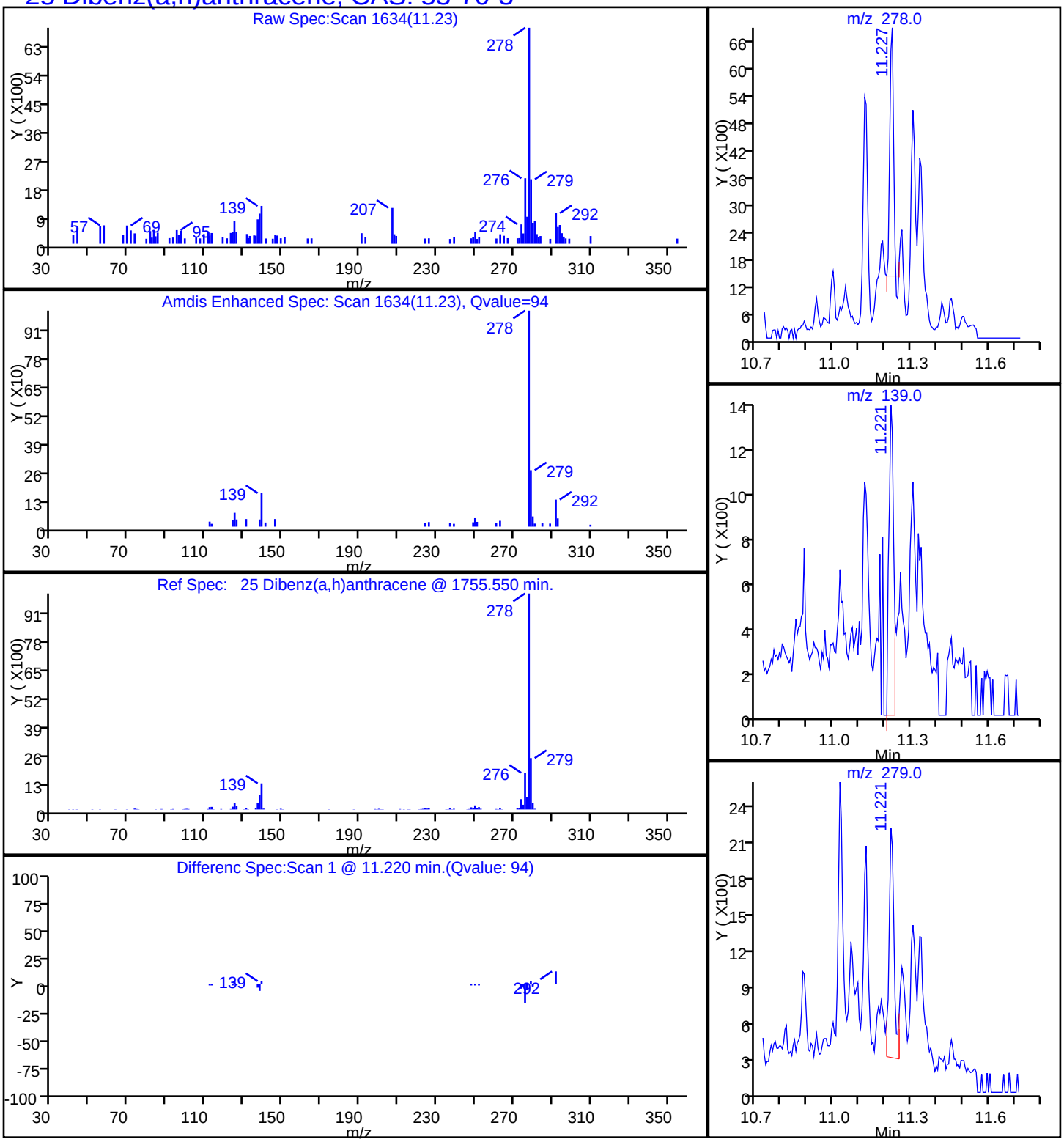


Report Date: 16-Oct-2014 08:47:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1517.D				
Injection Date:	15-Oct-2014 18:40:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	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: 16-Oct-2014 08:47:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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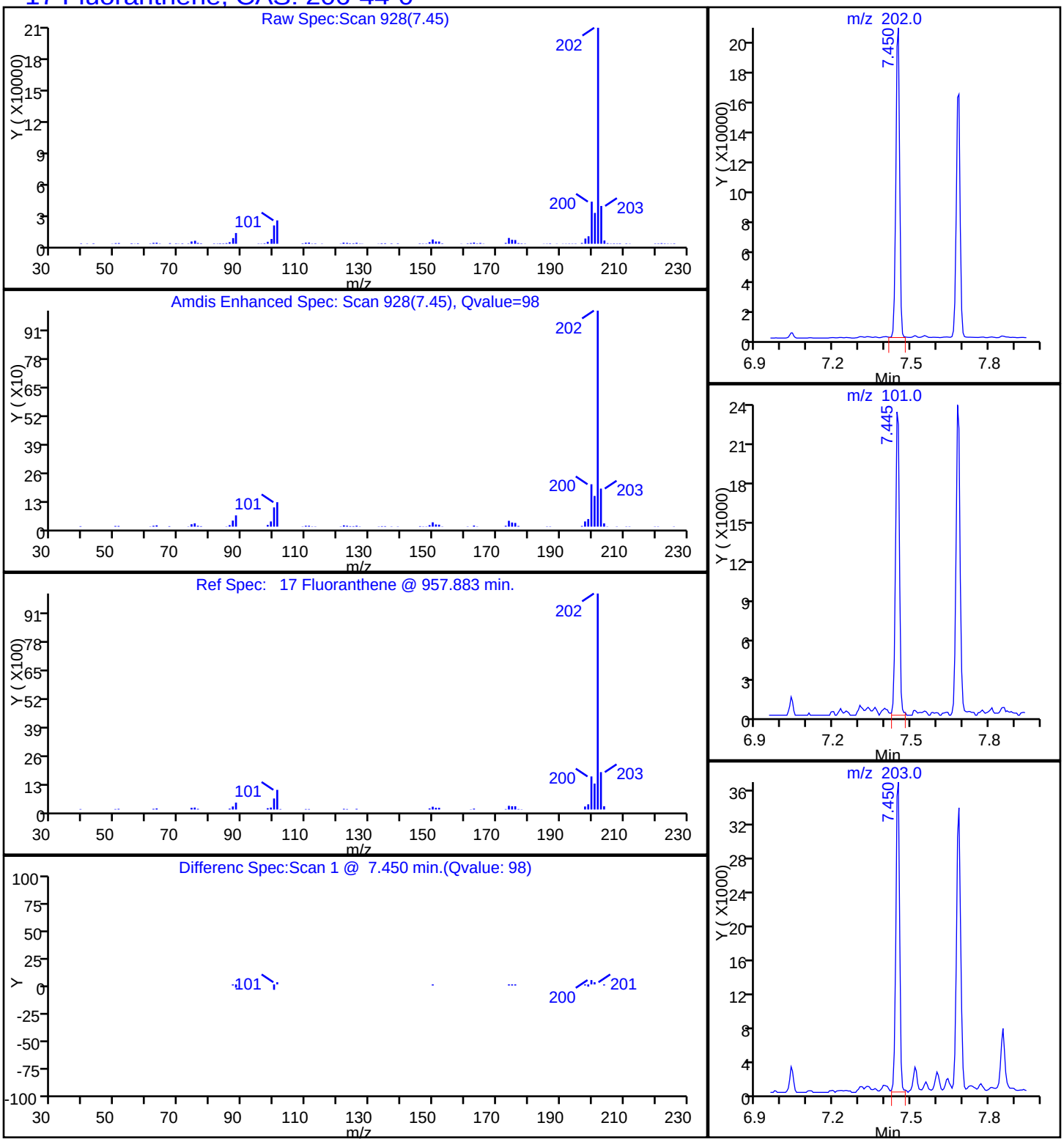
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	Worklist Smp#:	17
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

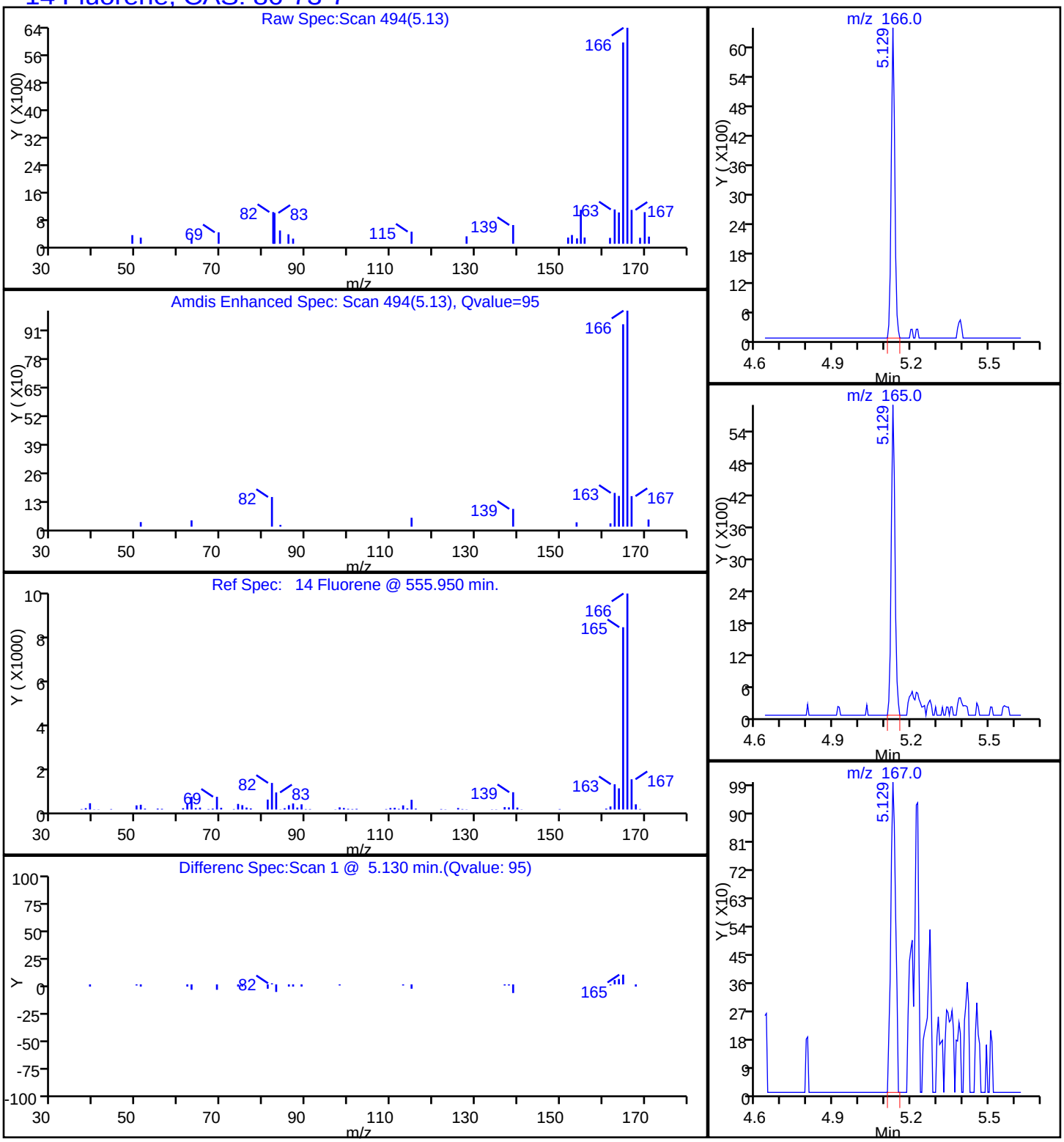


Report Date: 16-Oct-2014 08:47:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1517.D				
Injection Date:	15-Oct-2014 18:40:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	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

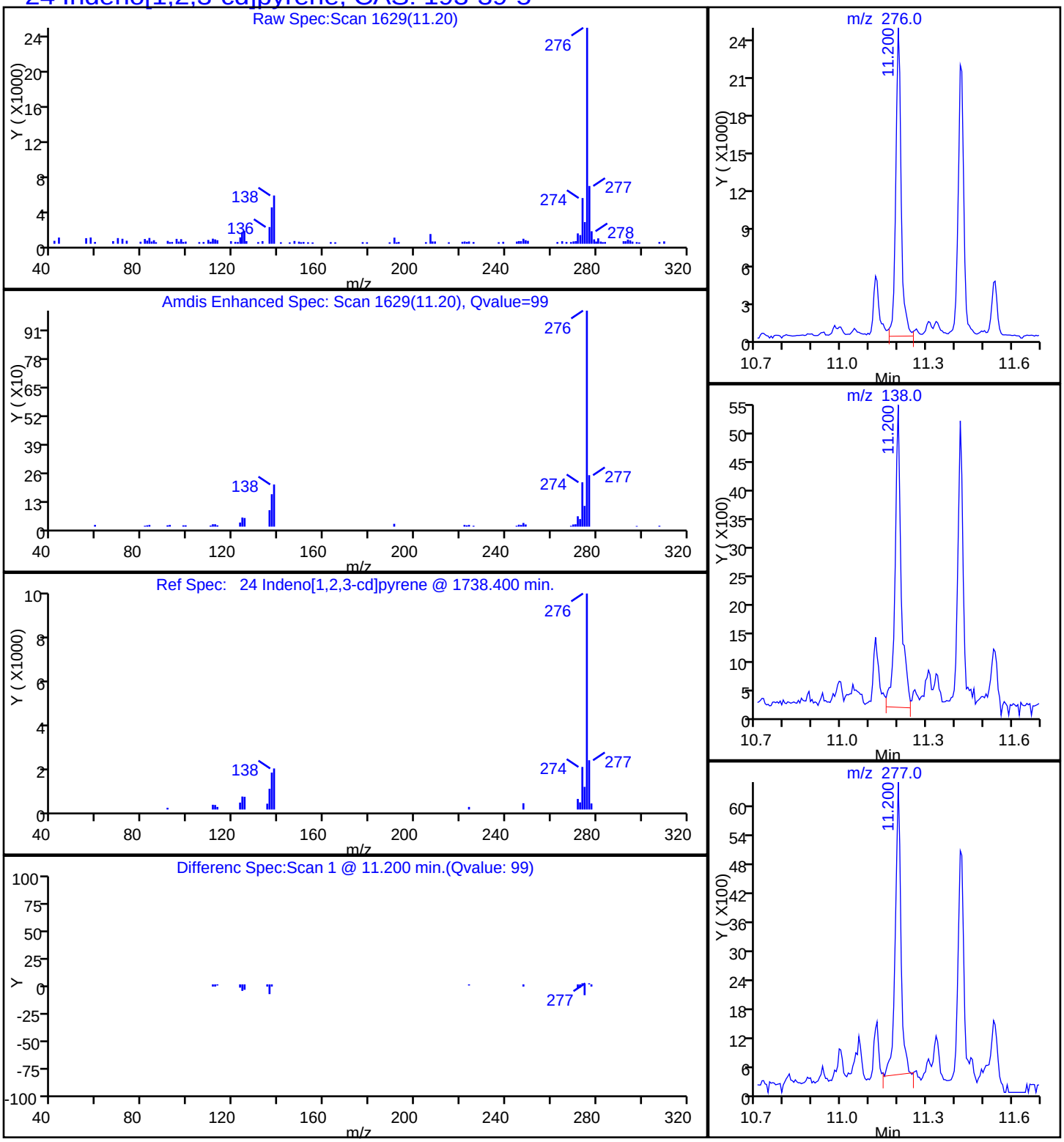


Report Date: 16-Oct-2014 08:47:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1517.D				
Injection Date:	15-Oct-2014 18:40:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	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

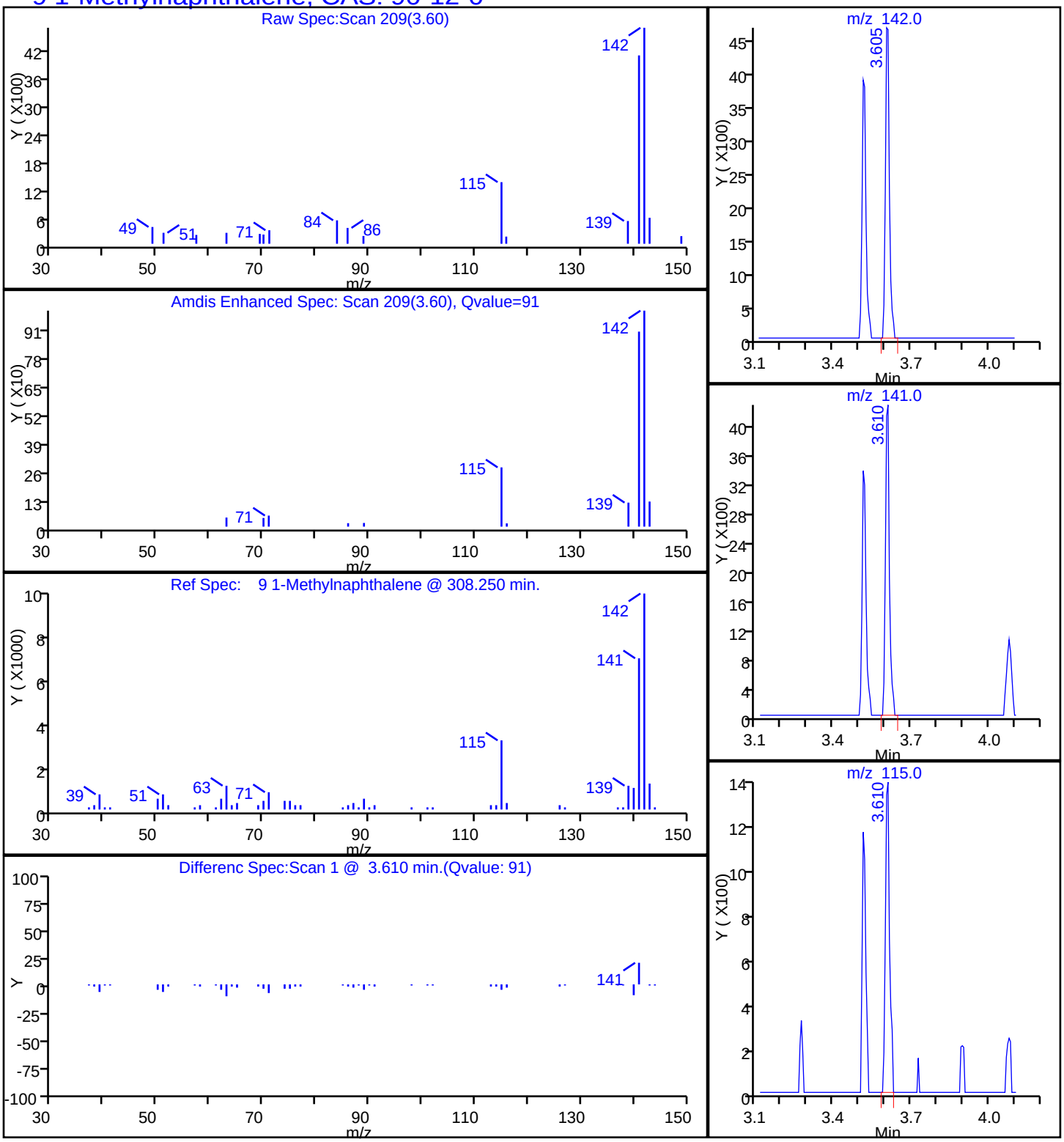


Report Date: 16-Oct-2014 08:47:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1517.D				
Injection Date:	15-Oct-2014 18:40:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	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

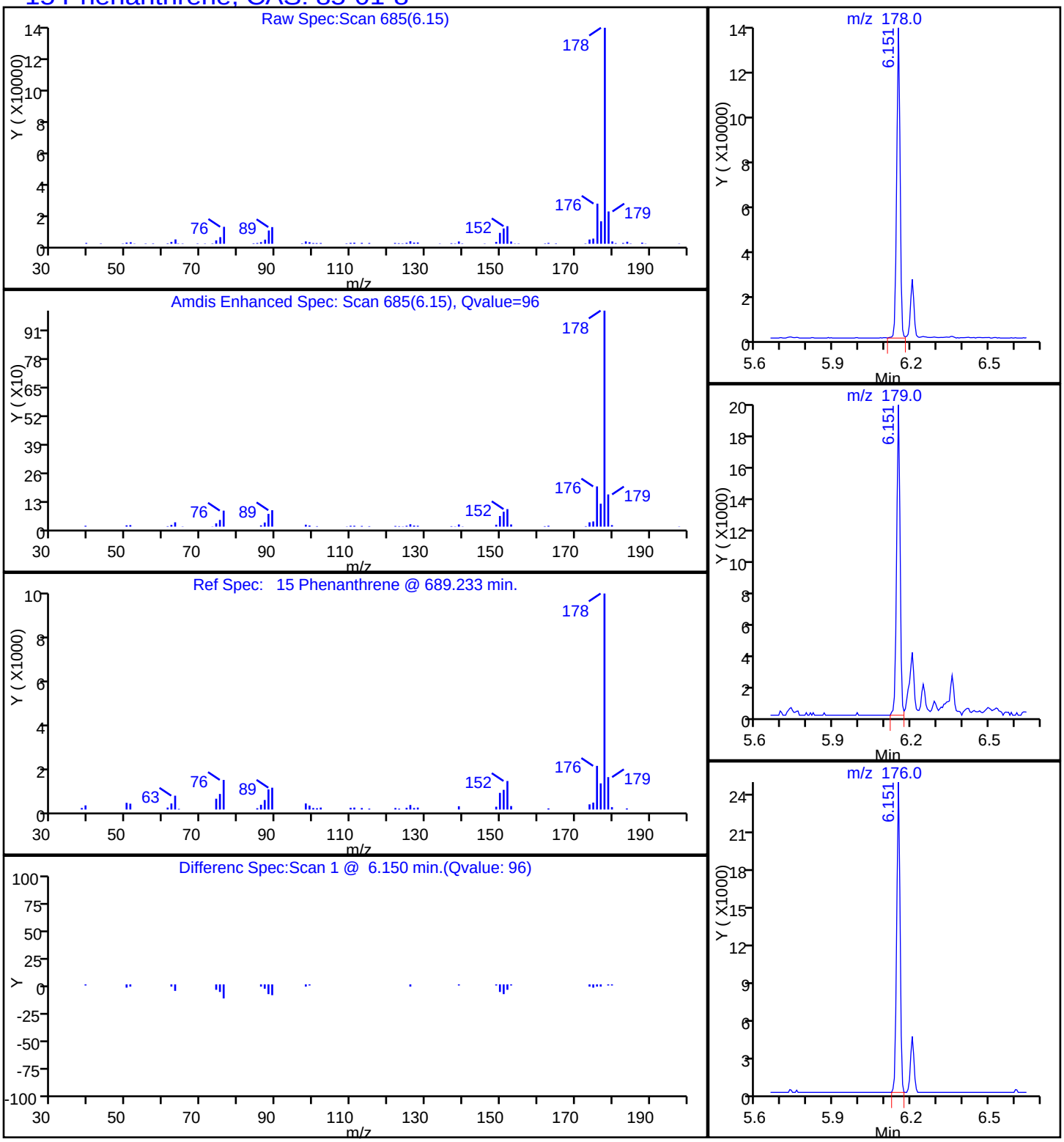


Report Date: 16-Oct-2014 08:47:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1517.D				
Injection Date:	15-Oct-2014 18:40:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	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

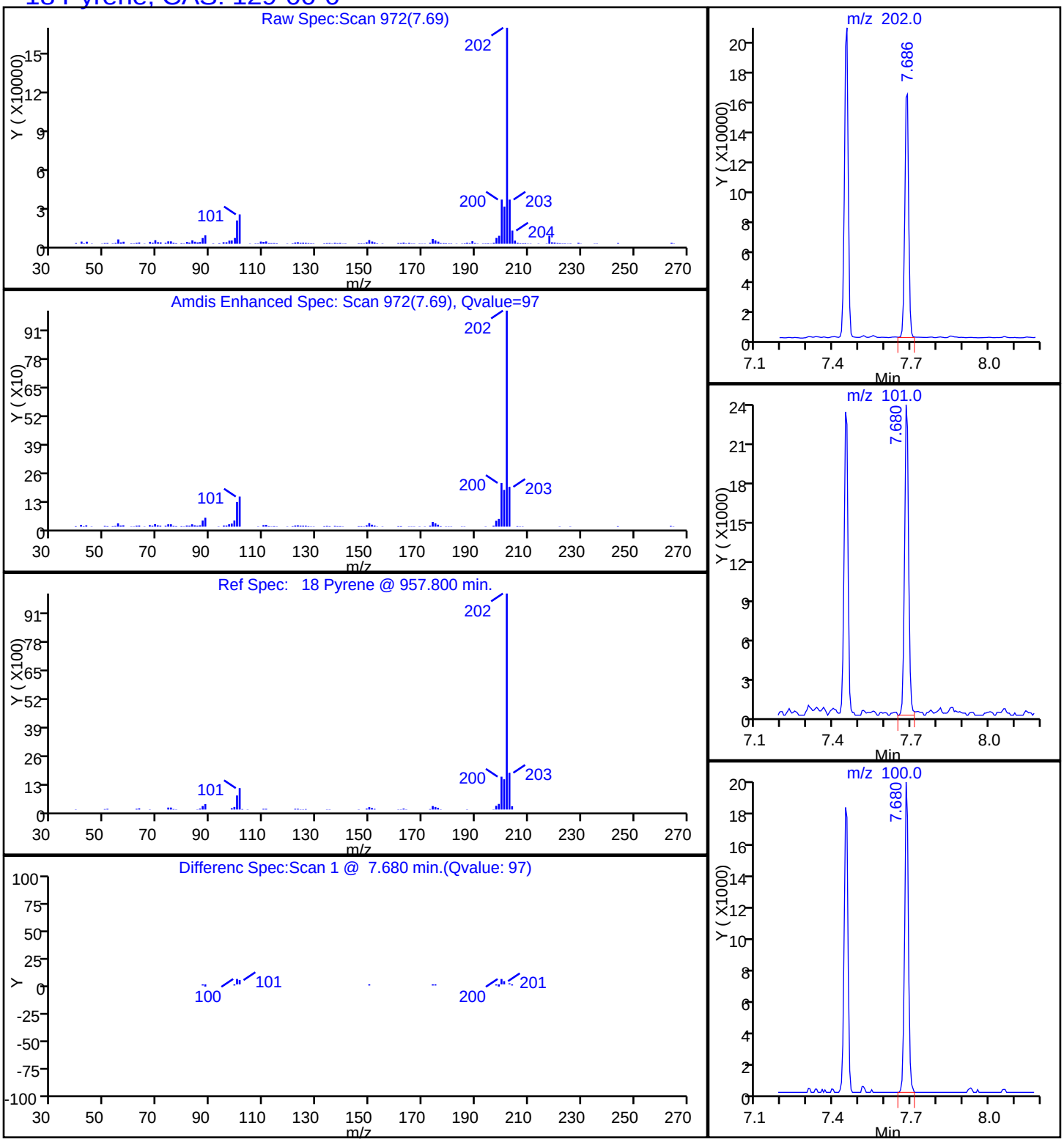


Report Date: 16-Oct-2014 08:47:18 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1517.D				
Injection Date:	15-Oct-2014 18:40:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	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

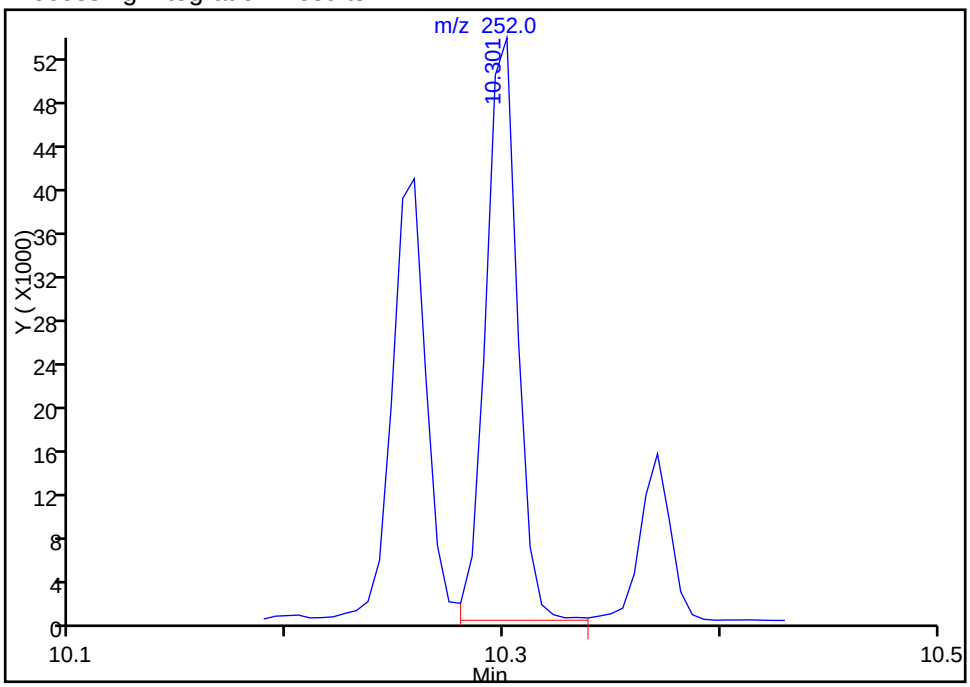
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1517.D				
Injection Date:	15-Oct-2014 18:40:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-7-A	Lab Sample ID:	680-106200-7		
Client ID:	CV0005AA-CS12				
Operator ID:	RM	ALS Bottle#:	15	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

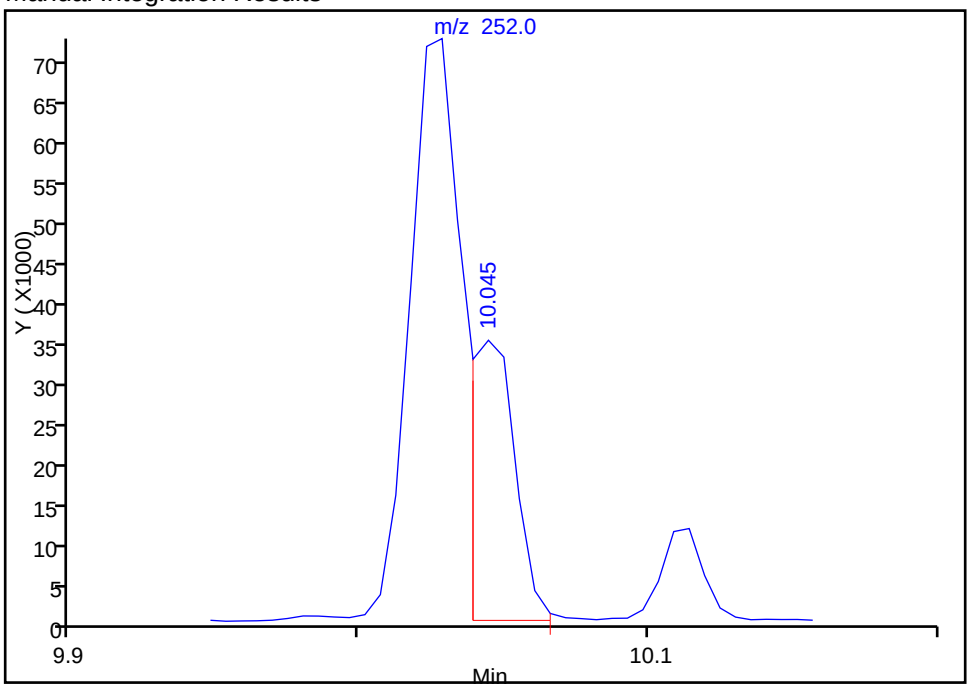
Processing Integration Results

RT: 10.30
Response: 54532
Amount: 0.851844



Manual Integration Results

RT: 10.04
Response: 38550
Amount: 0.601548



Reviewer: webbk, 16-Oct-2014 08:14:27
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005AA-CS18 | Lab Sample ID: 680-106200-8

Matrix: Solid | Lab File ID: 2YJ1518.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 14:20

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

Sample wt/vol: 30.12(g) | Date Analyzed: 10/15/2014 19:02

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

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

% Moisture: 11.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150		75	37
208-96-8	Acenaphthylene	75	U	75	37
120-12-7	Anthracene	310		75	37
56-55-3	Benzo[a]anthracene	700		75	37
50-32-8	Benzo[a]pyrene	530		75	13
205-99-2	Benzo[b]fluoranthene	690		75	37
191-24-2	Benzo[g,h,i]perylene	290		75	37
207-08-9	Benzo[k]fluoranthene	300		75	22
218-01-9	Chrysene	570		75	37
53-70-3	Dibenz(a,h)anthracene	85		75	37
206-44-0	Fluoranthene	1500		75	37
86-73-7	Fluorene	150		75	37
193-39-5	Indeno[1,2,3-cd]pyrene	240		75	37
90-12-0	1-Methylnaphthalene	40	J	75	35
91-57-6	2-Methylnaphthalene	41	J	75	37
91-20-3	Naphthalene	71	J	75	37
85-01-8	Phenanthrene	1400		75	27
129-00-0	Pyrene	1300		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\20141015-13789.b\2YJ1518.D				
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 19:02:30	ALS Bottle#:	16	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	106200-A-8-A 1:10				
Misc. Info.:	680-0013789-018				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:15:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.856	2.856	0.000	98	145624	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	91	80591	2.00	
* 3 Phenanthrene-d10	188	6.129	6.124	0.005	98	126636	2.00	
* 4 Chrysene-d12	240	9.001	8.996	0.005	99	105821	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	84672	2.00	
7 Naphthalene	128	2.877	2.877	0.000	99	15102	0.1901	
8 2-Methylnaphthalene	142	3.514	3.514	0.000	86	5782	0.1098	
9 1-Methylnaphthalene	142	3.610	3.605	0.005	90	5155	0.1055	
12 Acenaphthene	153	4.583	4.584	-0.001	94	19981	0.3982	
14 Fluorene	166	5.129	5.129	0.000	96	21525	0.3886	
15 Phenanthrene	178	6.151	6.151	0.000	97	286408	3.78	
16 Anthracene	178	6.204	6.204	0.000	99	61921	0.8215	
17 Fluoranthene	202	7.450	7.445	0.005	98	325765	4.06	
18 Pyrene	202	7.686	7.680	0.006	97	243350	3.52	
19 Benzo[a]anthracene	228	8.991	8.991	0.000	98	116017	1.87	
20 Chrysene	228	9.023	9.023	0.000	99	90014	1.54	
21 Benzo[b]fluoranthene	252	10.023	10.023	0.000	99	103253	1.85	
22 Benzo[k]fluoranthene	252	10.044	10.050	-0.006	99	43686	0.8095	M
23 Benzo[a]pyrene	252	10.296	10.296	0.000	98	64365	1.41	
24 Indeno[1,2,3-cd]pyrene	276	11.200	11.200	0.000	99	37496	0.6454	
25 Dibenz(a,h)anthracene	278	11.221	11.227	-0.006	94	9076	0.2267	
26 Benzo[g,h,i]perylene	276	11.419	11.424	-0.005	98	31958	0.7650	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

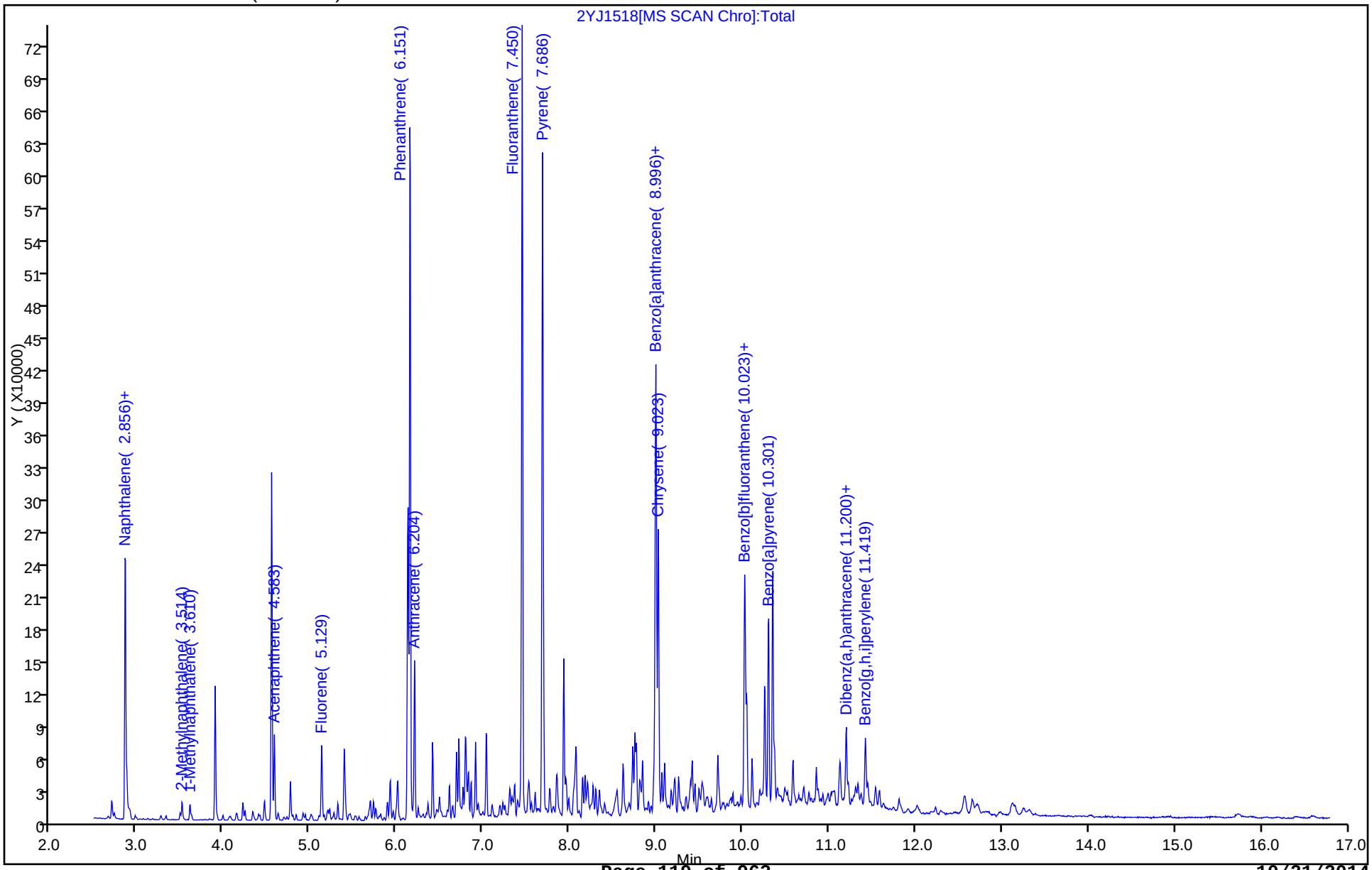
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8	Worklist Smp#:	18
Client ID:	CV0005AA-CS18				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	16
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

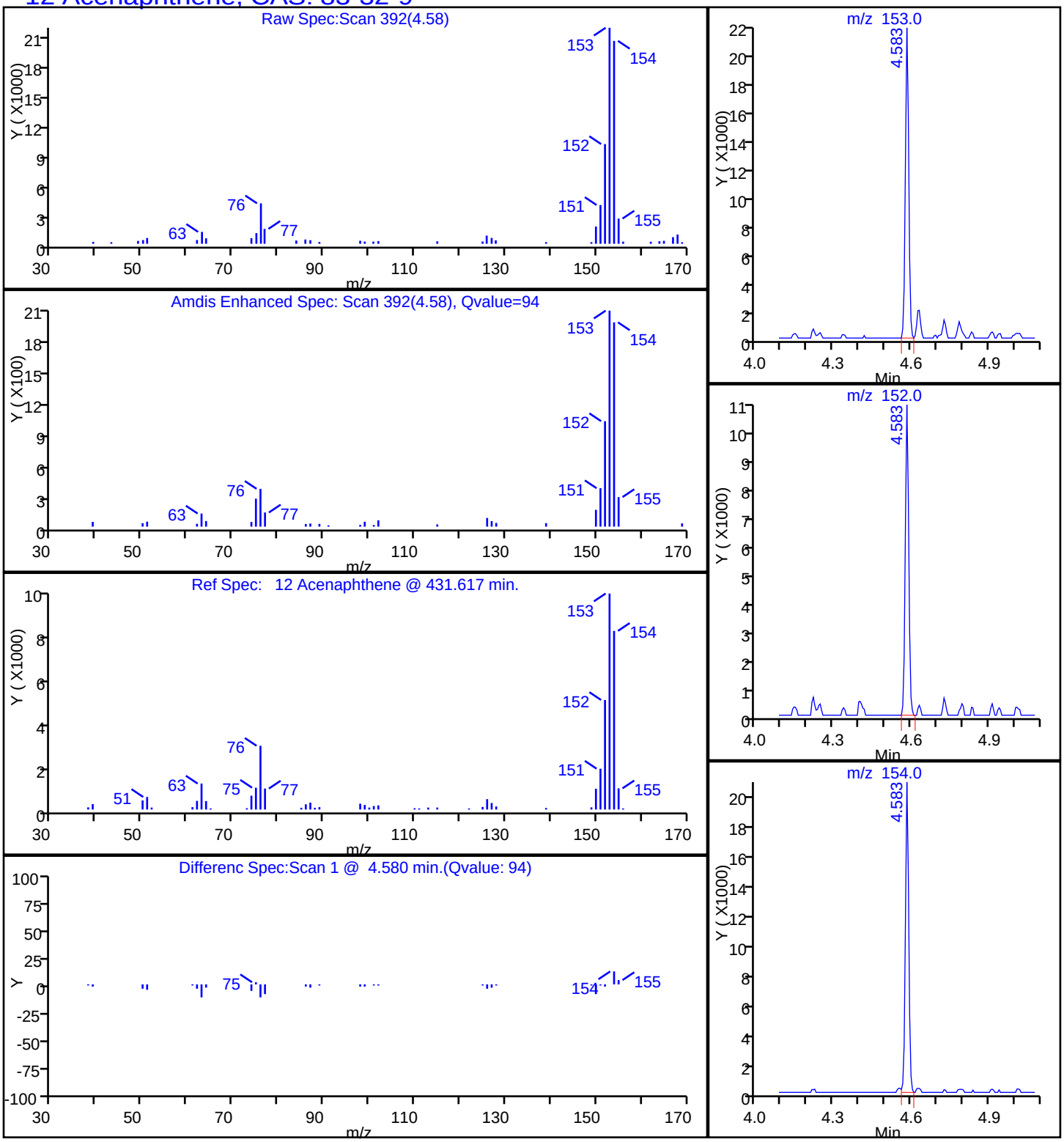


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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		

12 Acenaphthene, CAS: 83-32-9

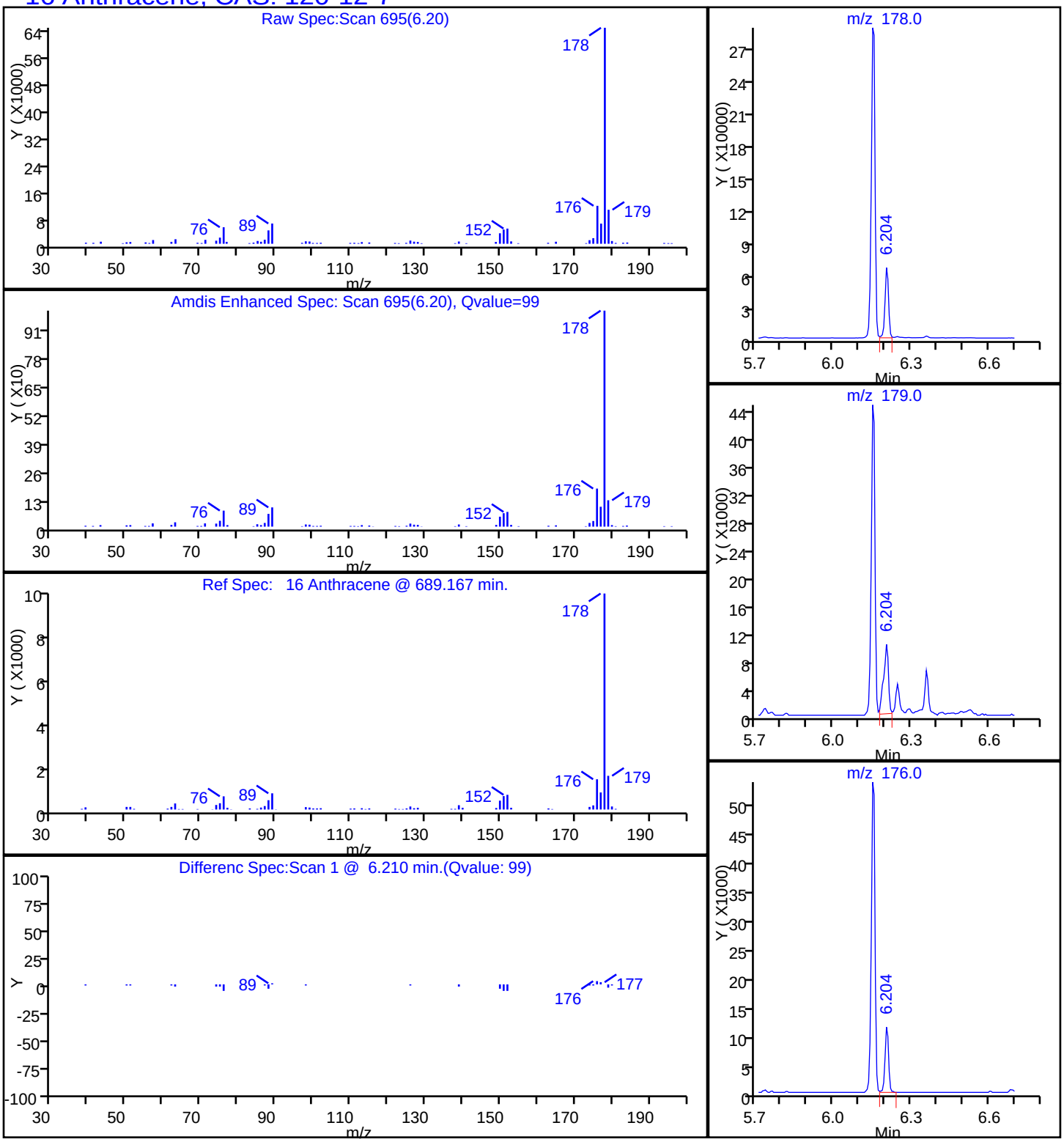


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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		

16 Anthracene, CAS: 120-12-7

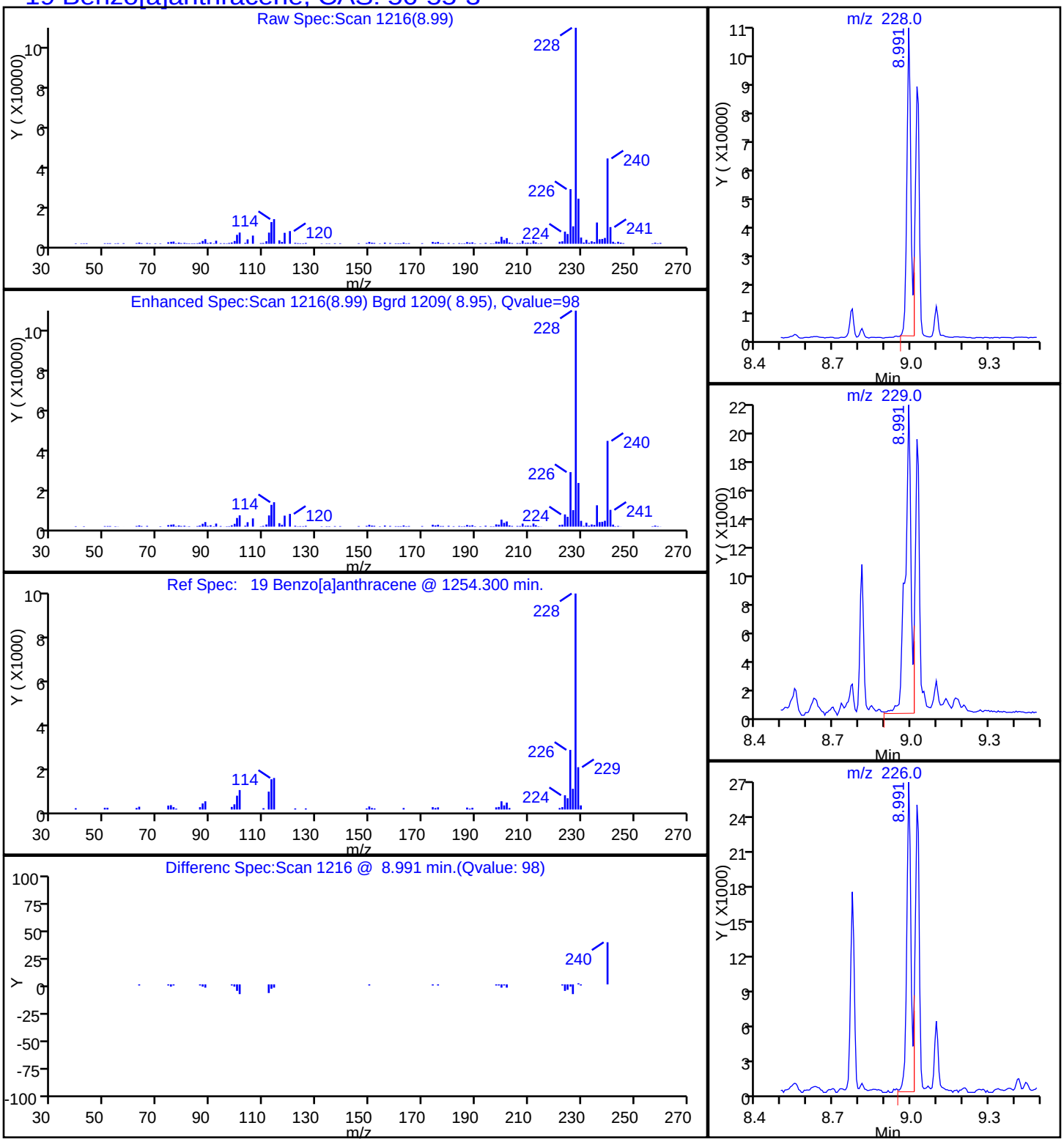


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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

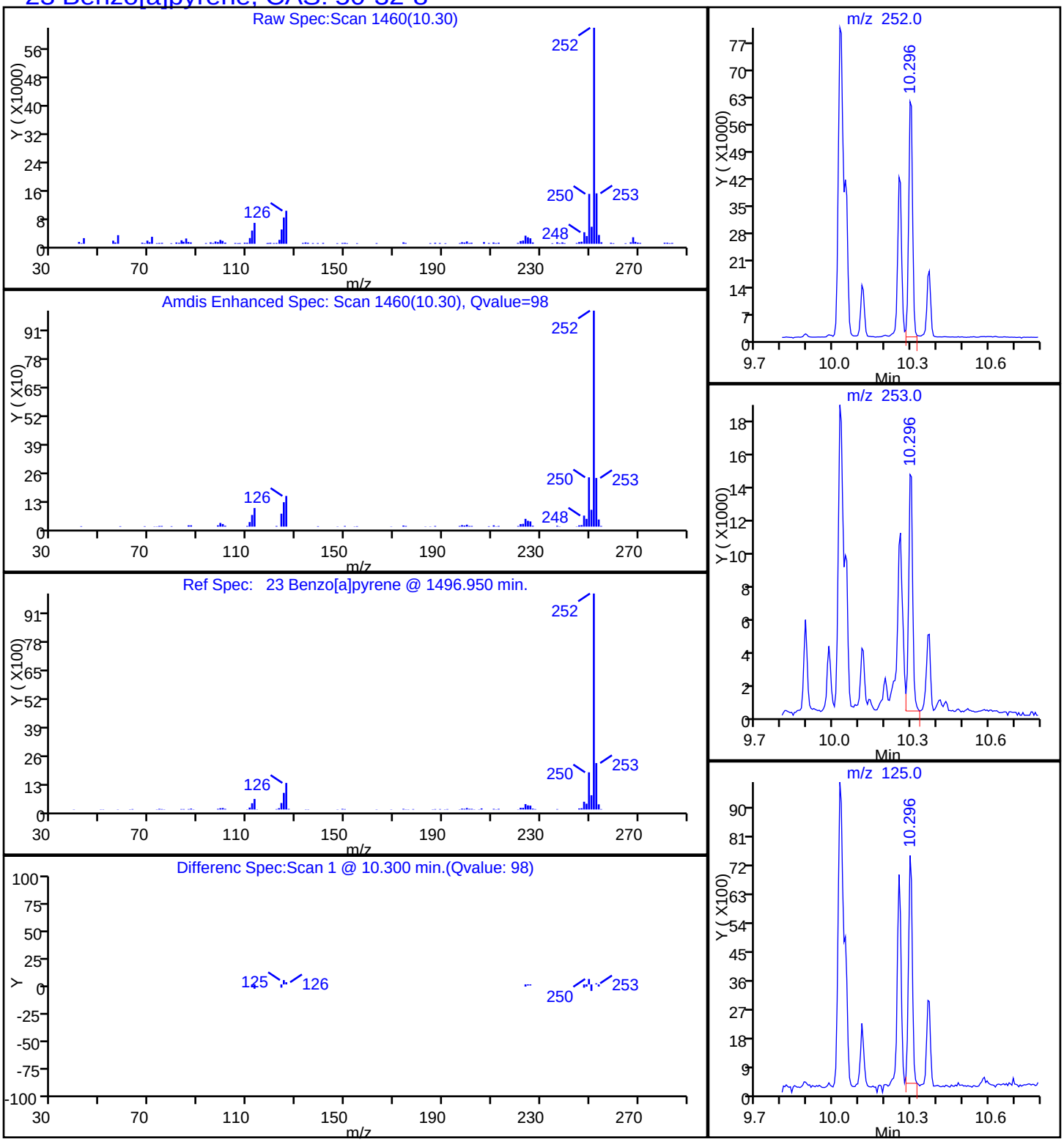


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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



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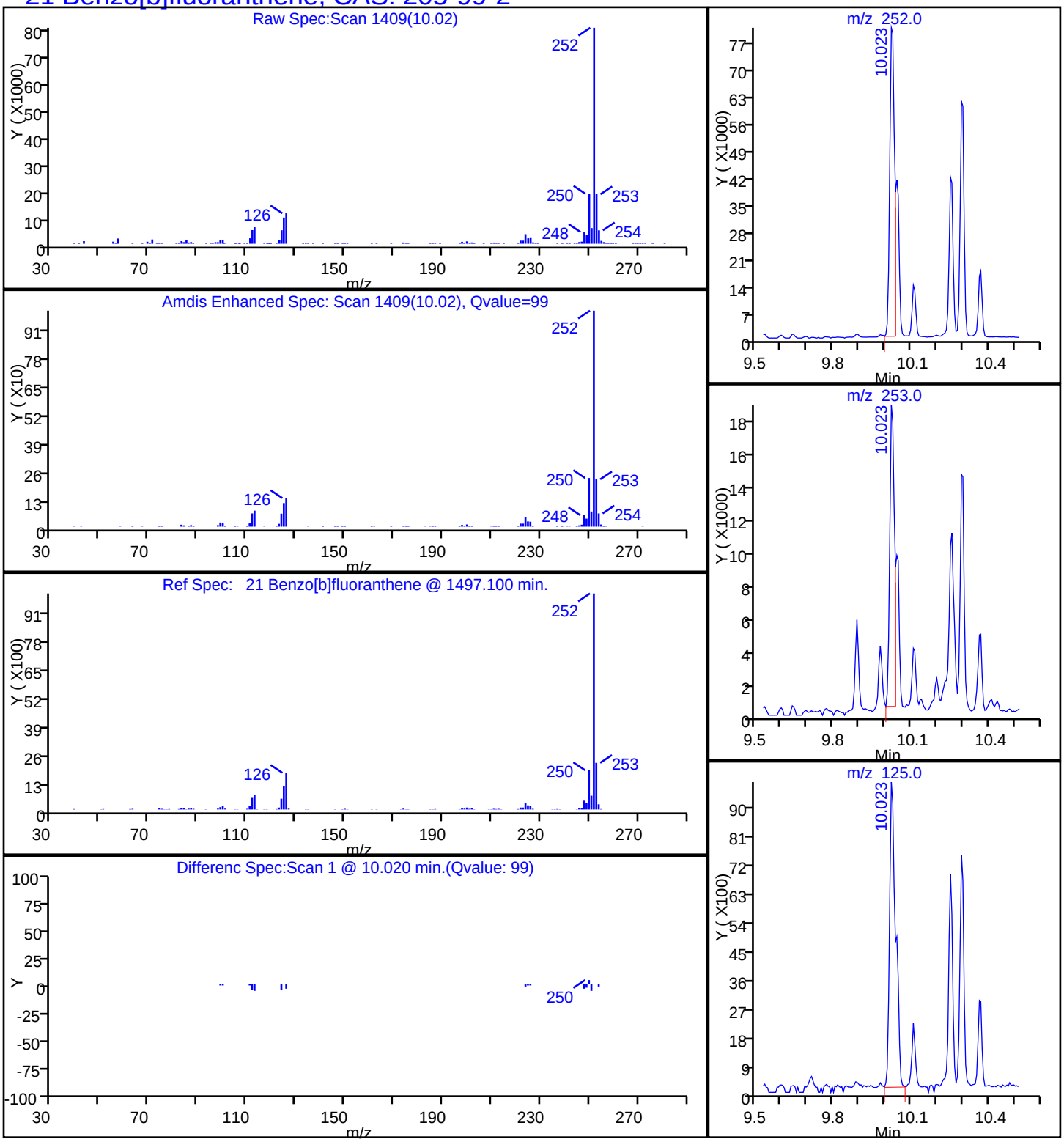
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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: 16-Oct-2014 08:47:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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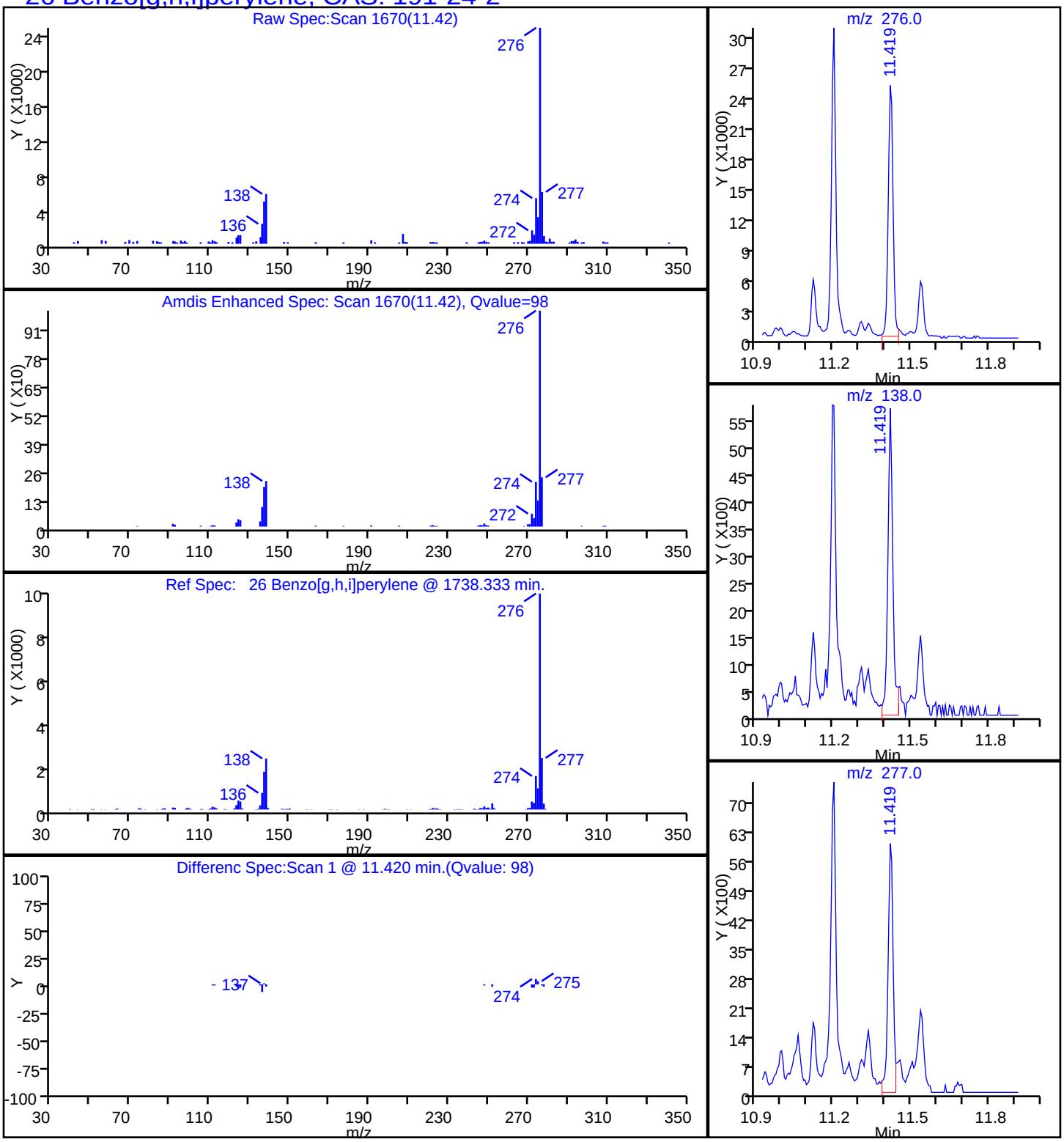
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
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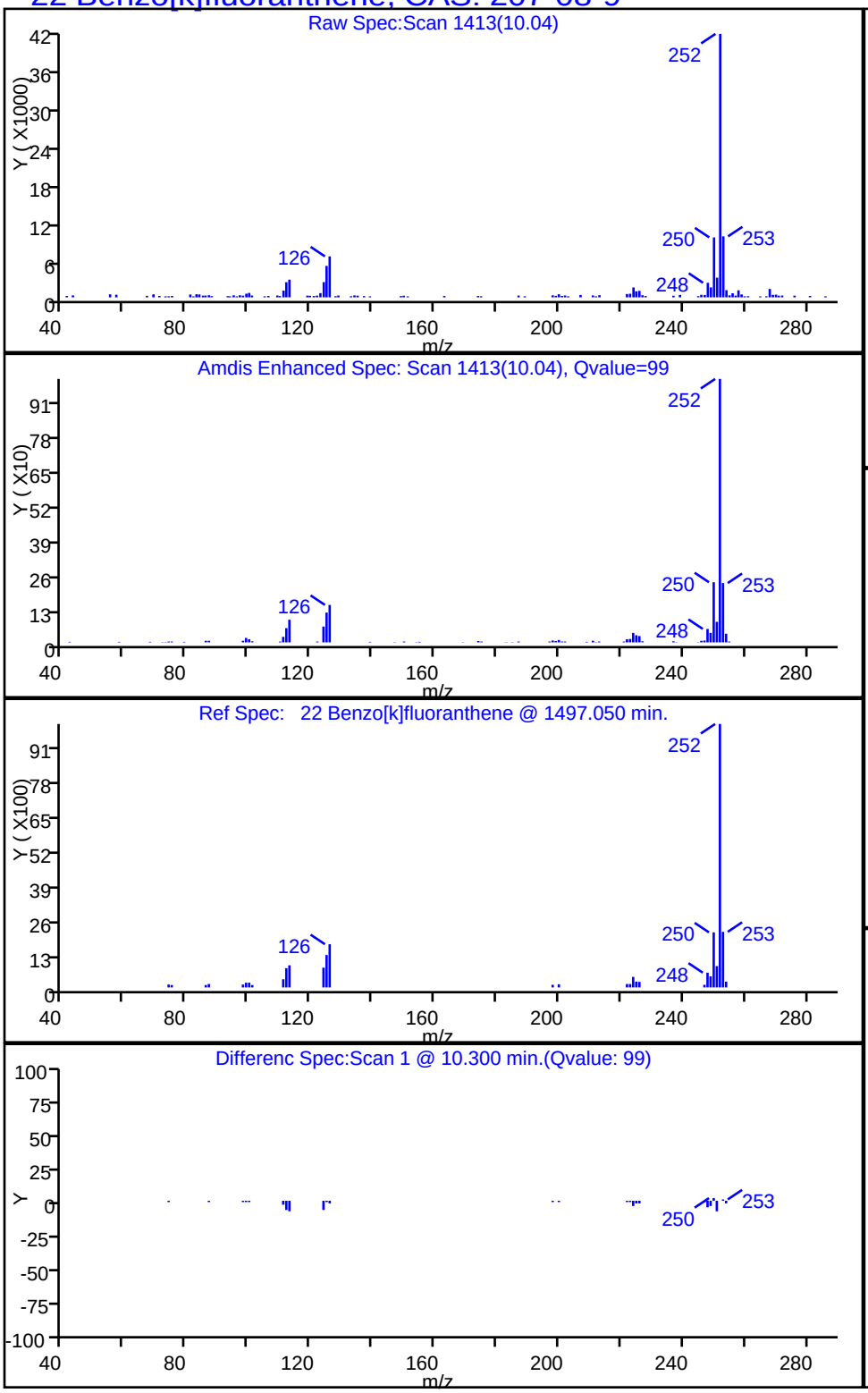
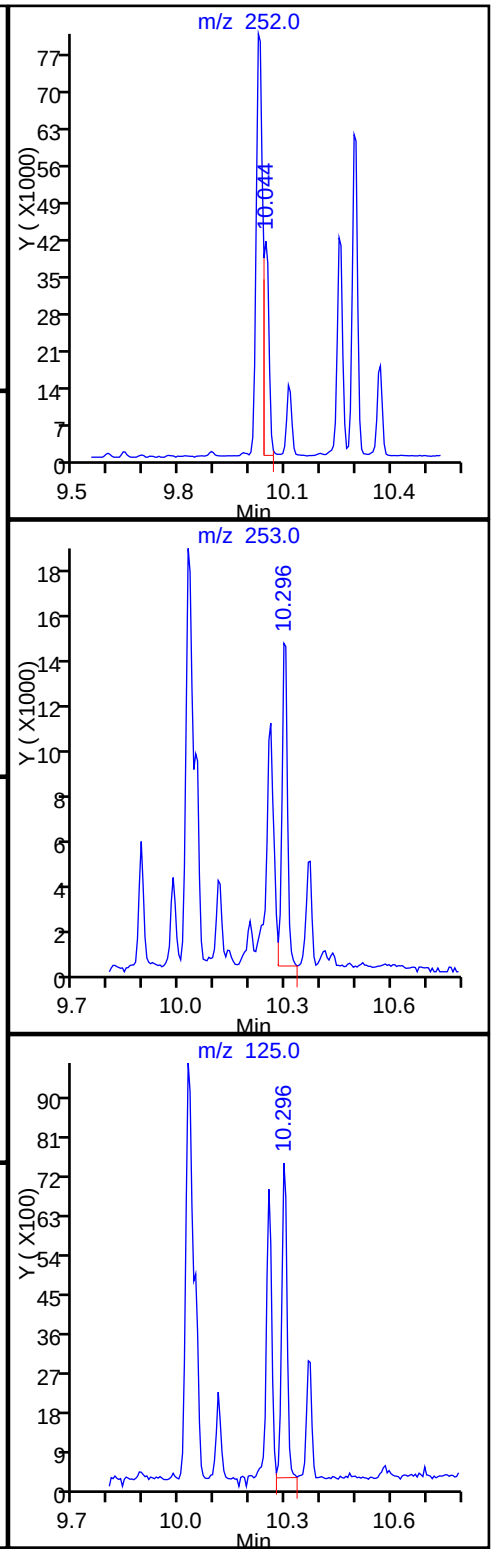
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	18
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



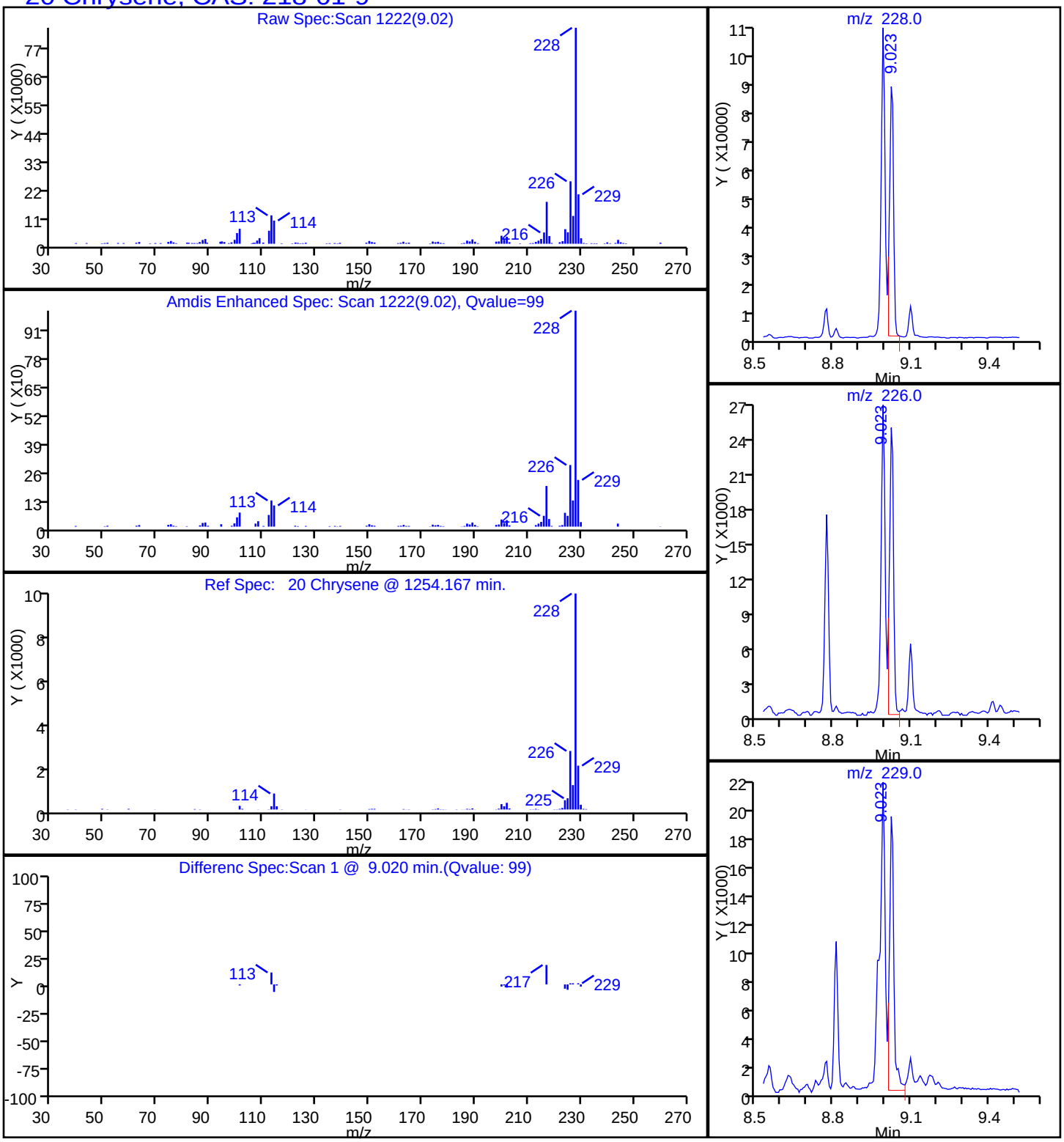


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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

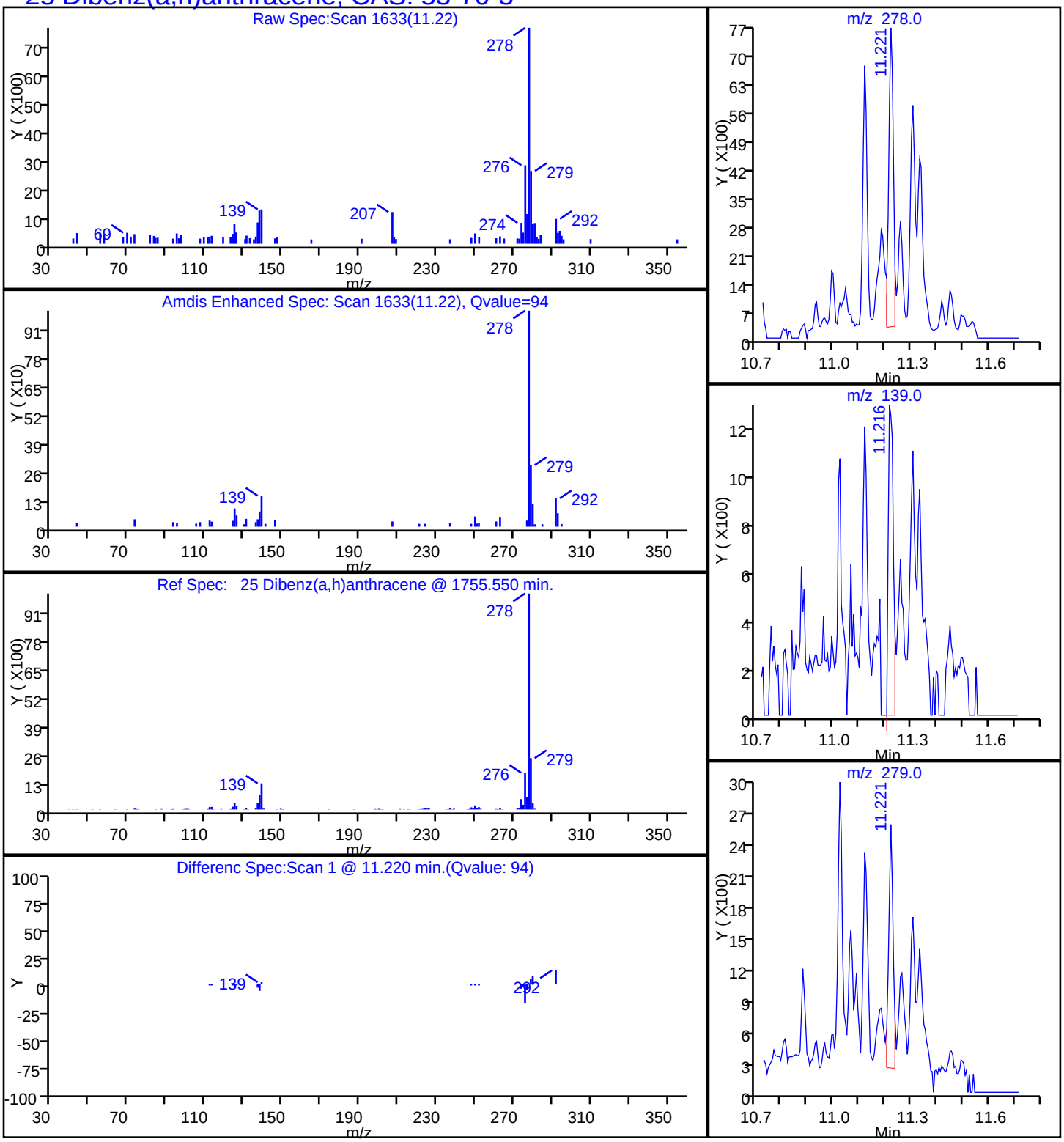


Report Date: 16-Oct-2014 08:47:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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

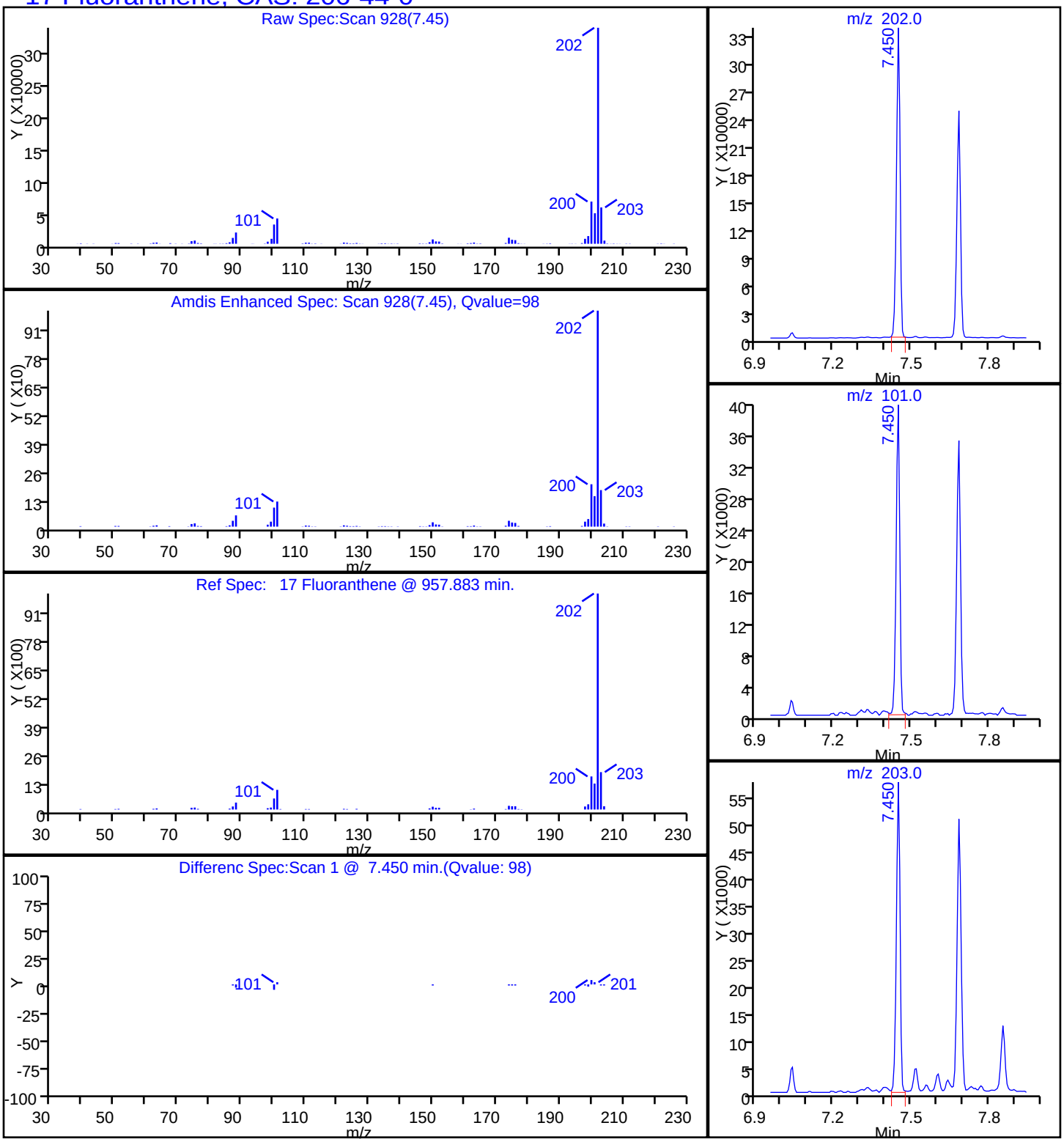


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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

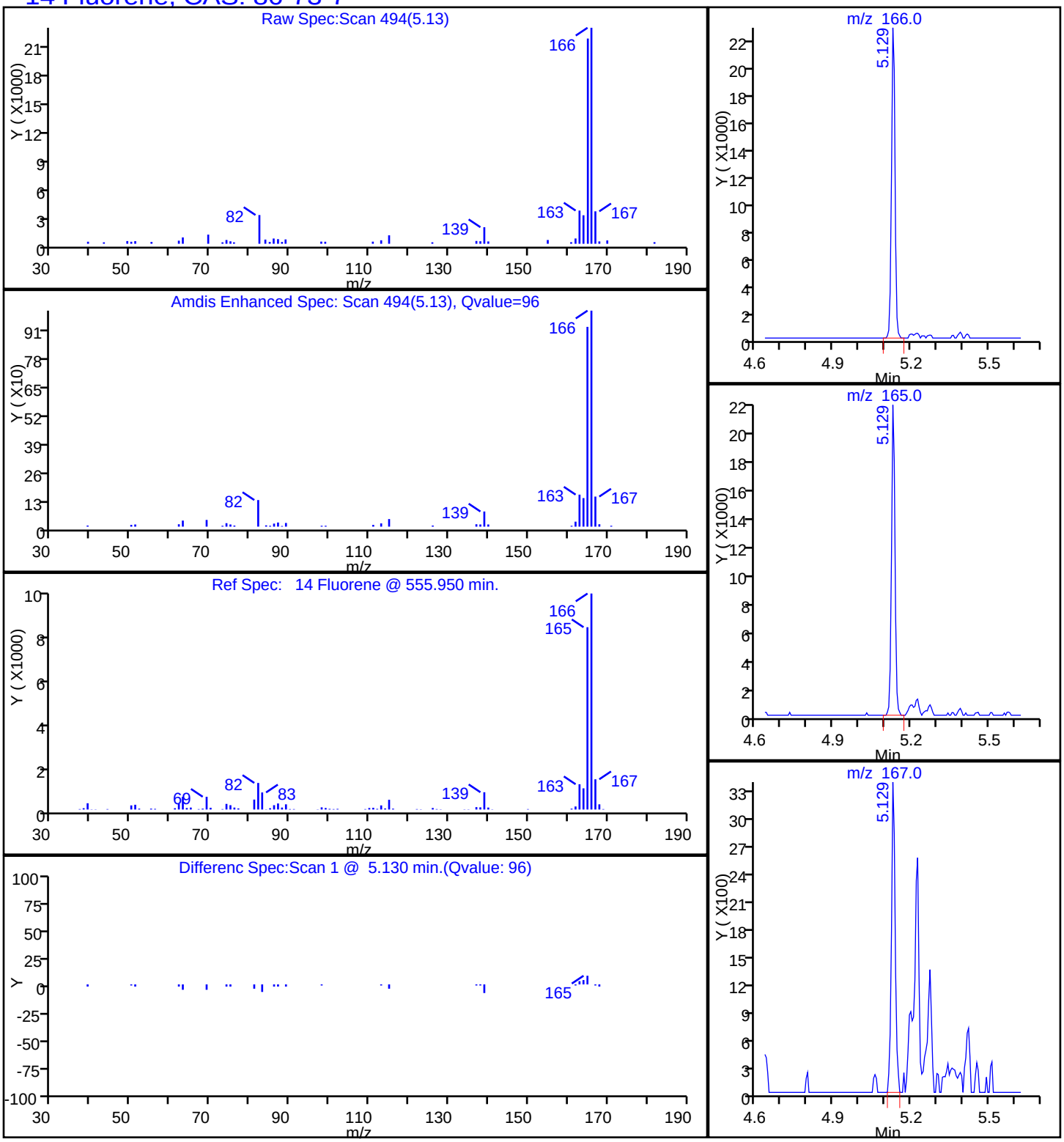


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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		

14 Fluorene, CAS: 86-73-7

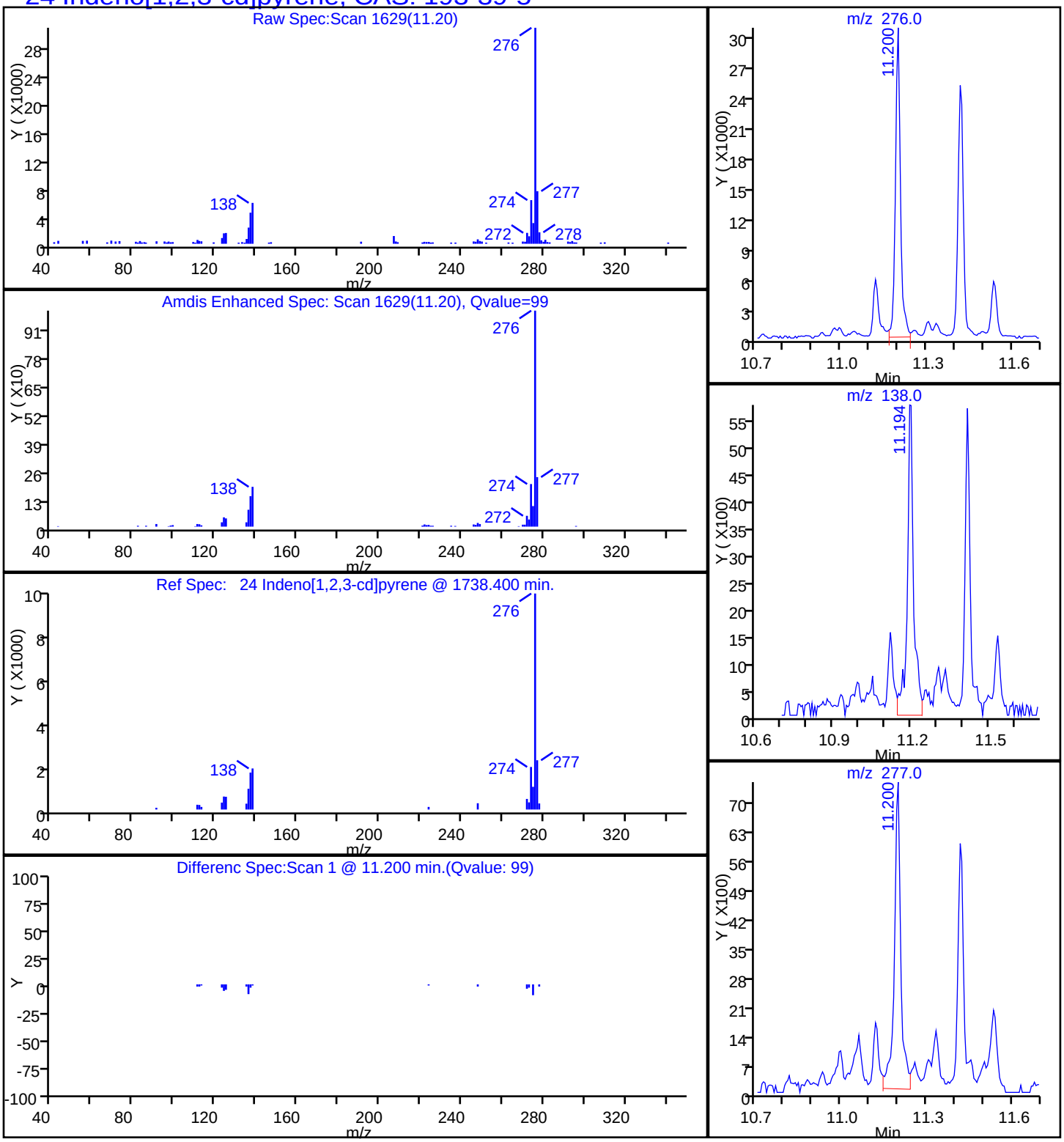


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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

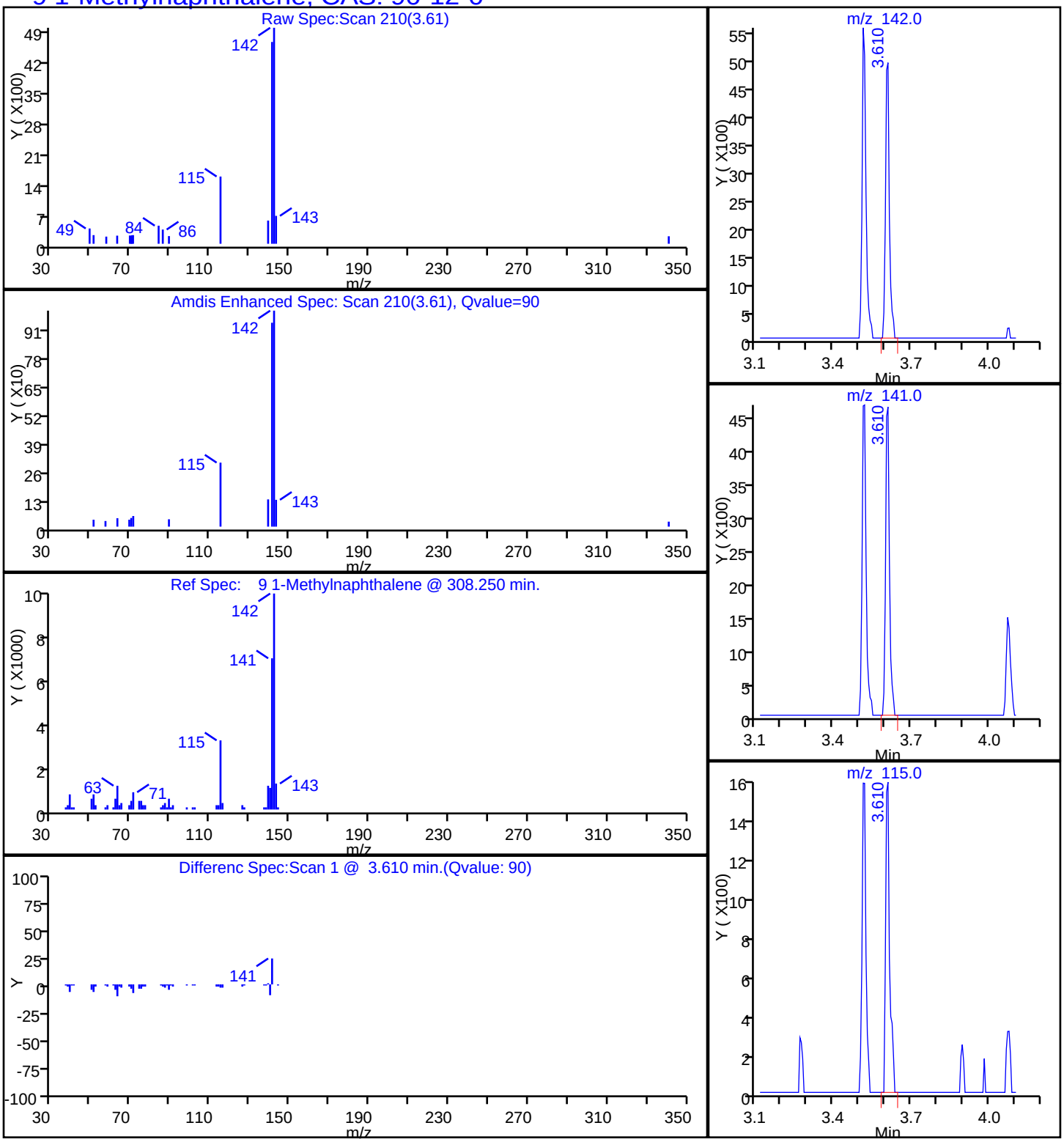


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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

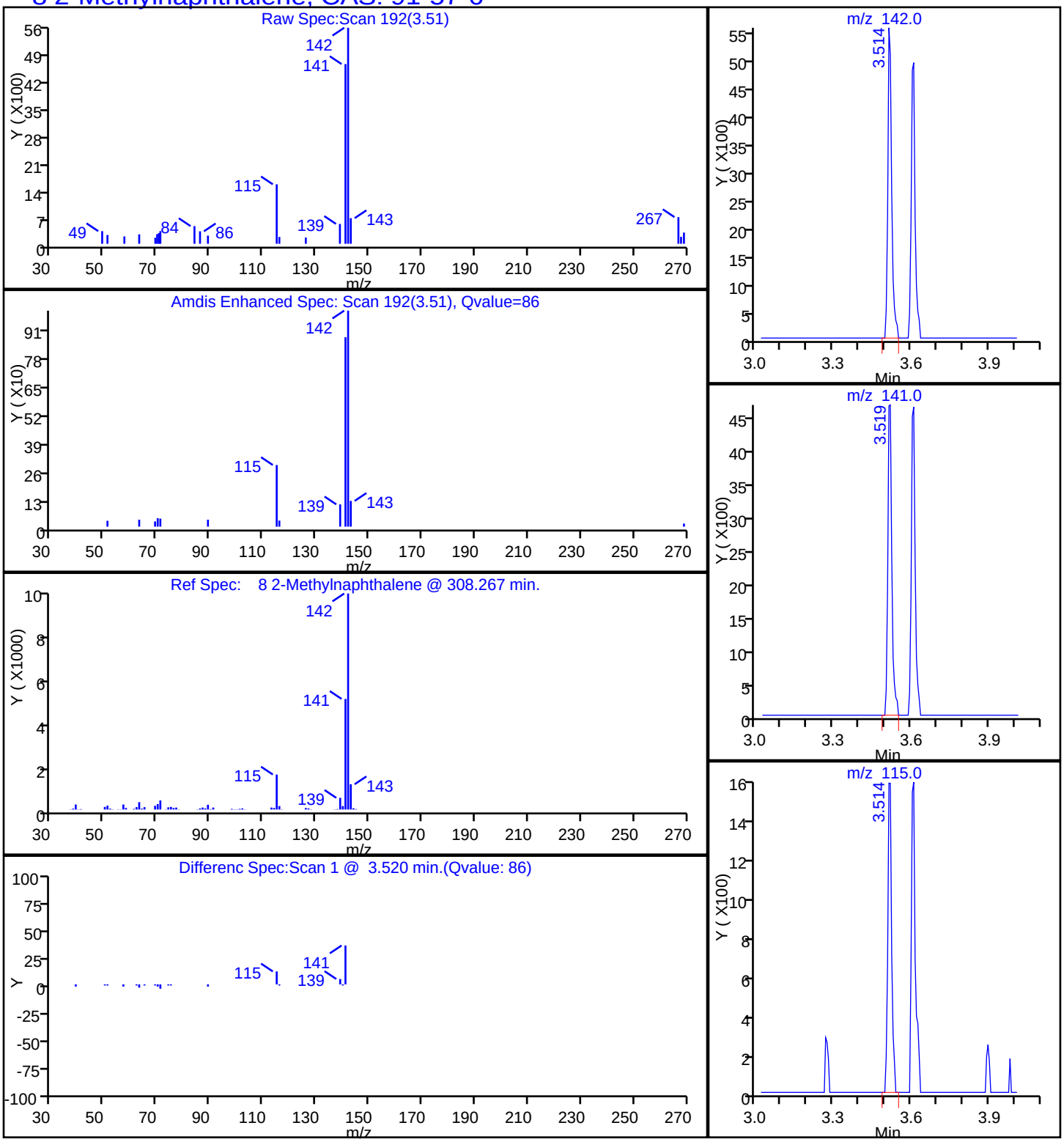


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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

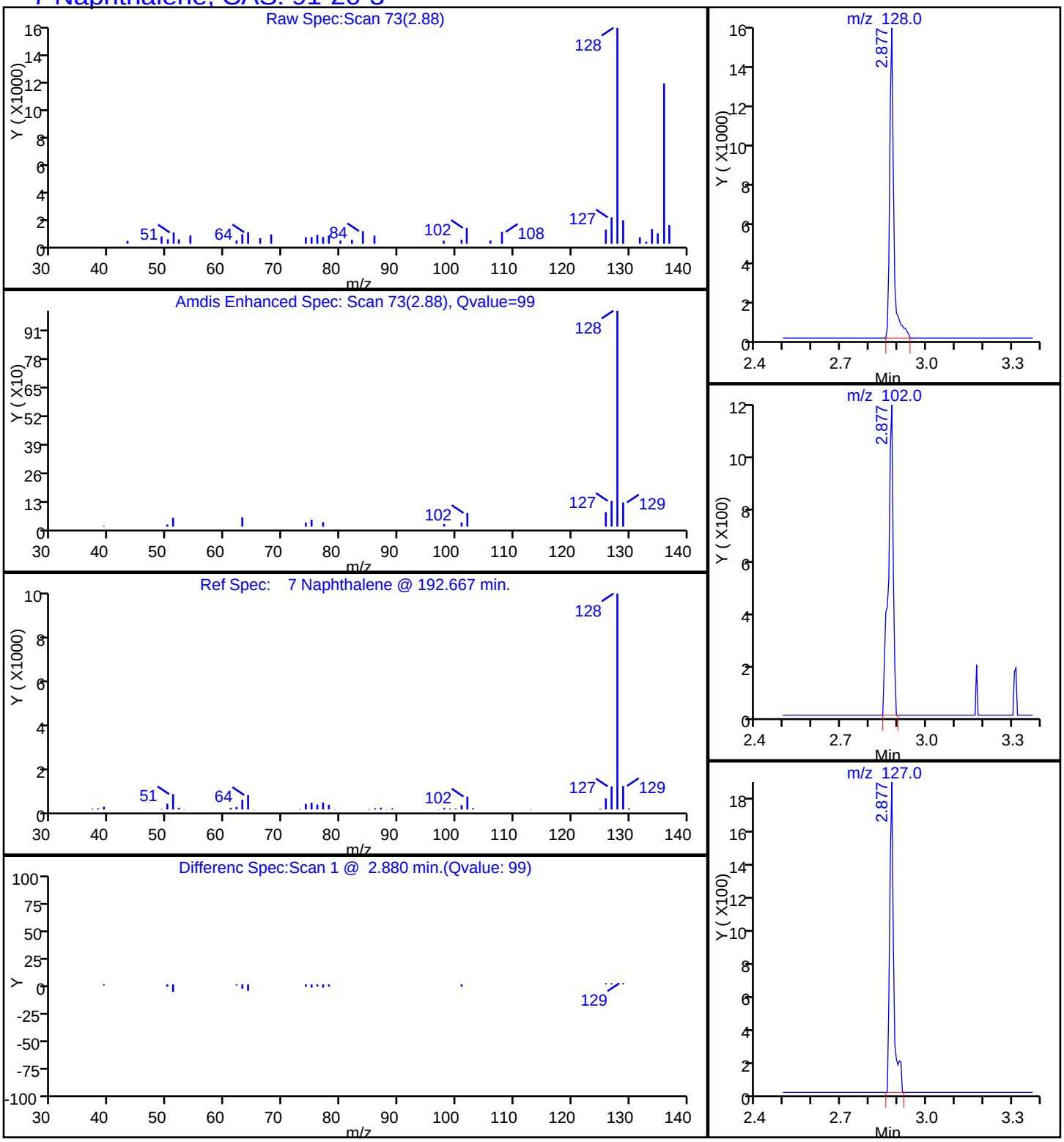


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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

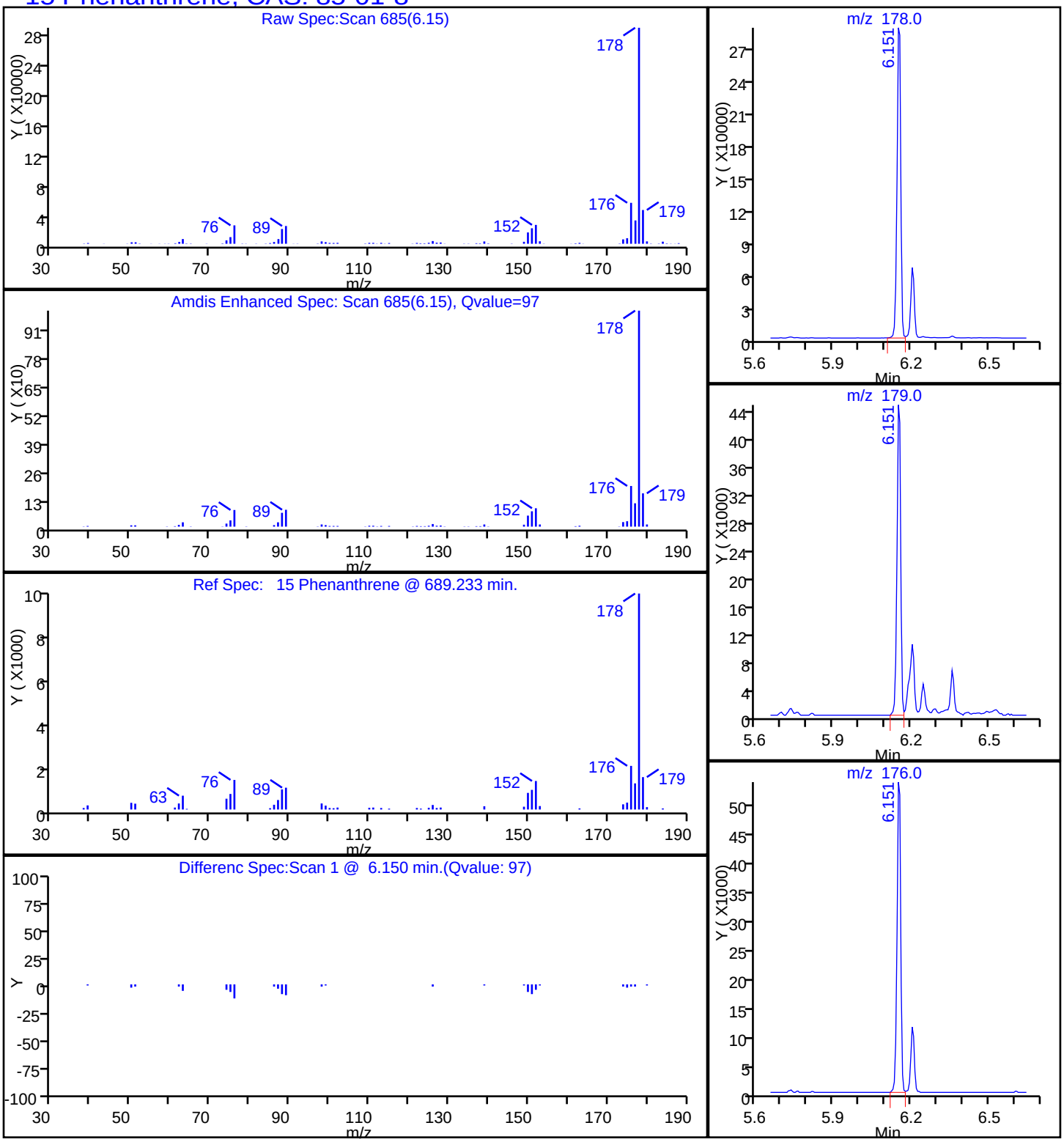


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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

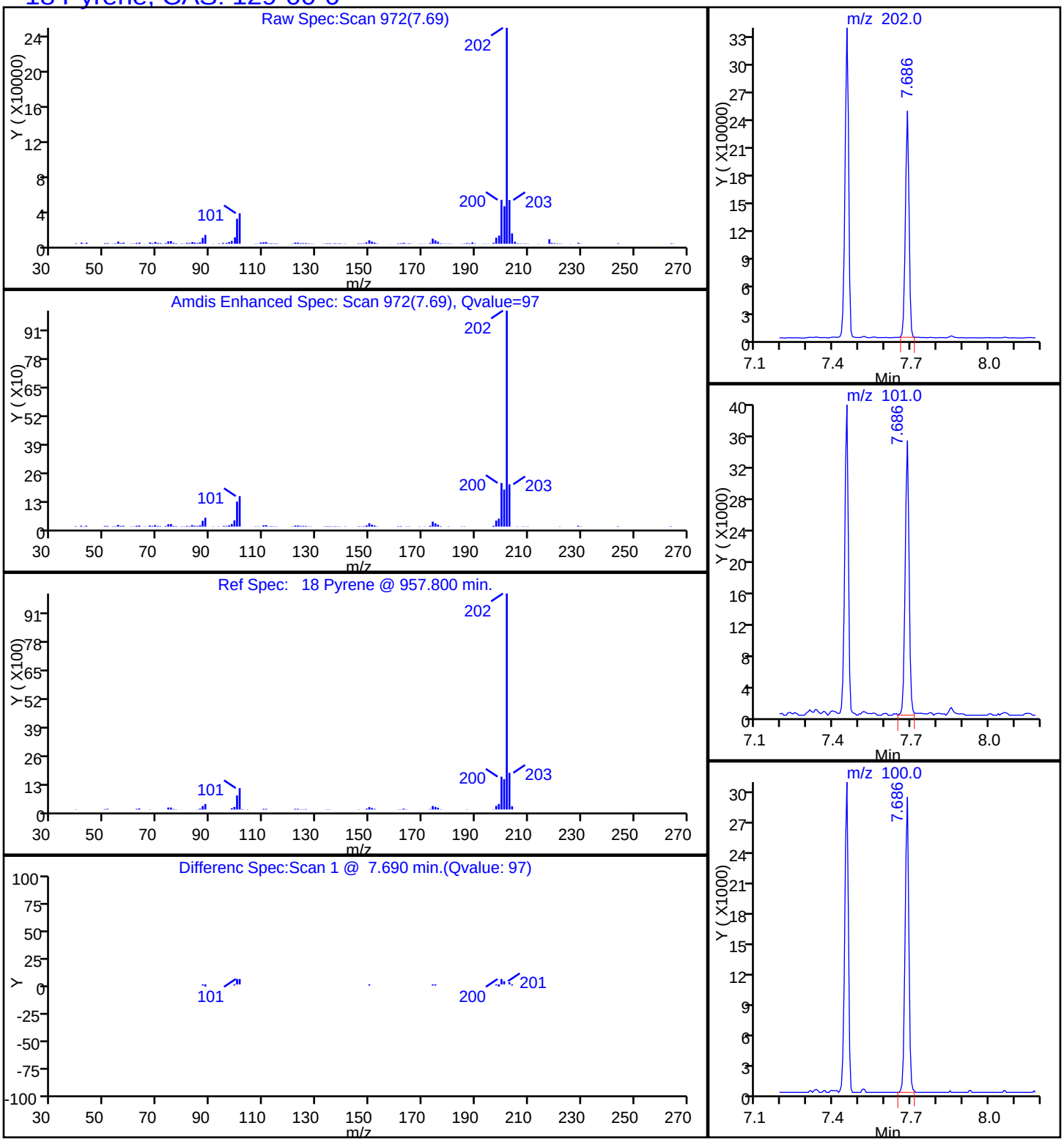


Report Date: 16-Oct-2014 08:47:19 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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

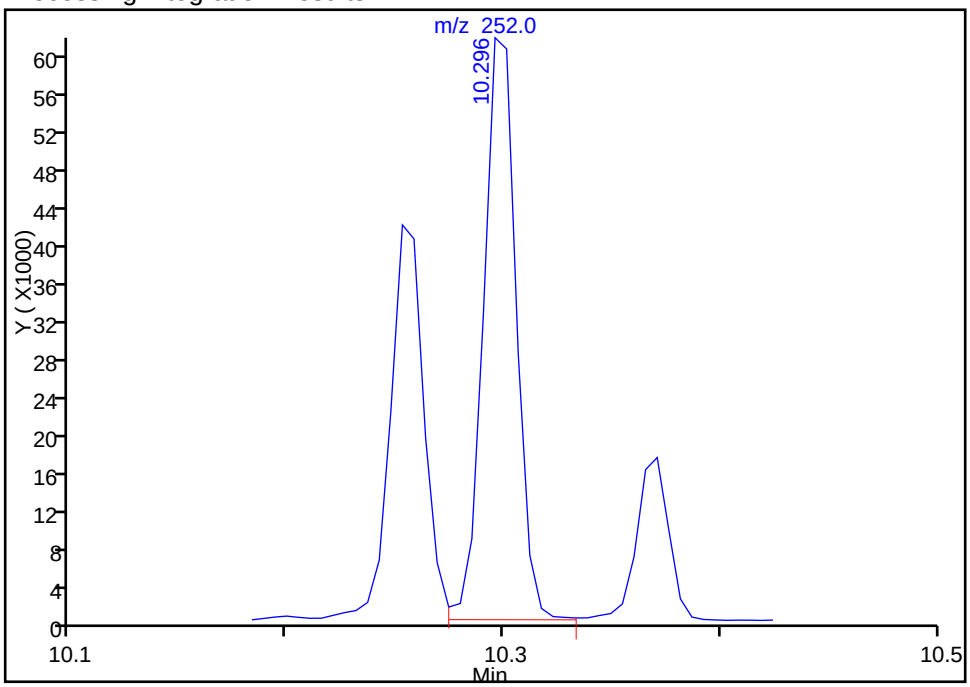
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1518.D				
Injection Date:	15-Oct-2014 19:02:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-8-A	Lab Sample ID:	680-106200-8		
Client ID:	CV0005AA-CS18				
Operator ID:	RM	ALS Bottle#:	16	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

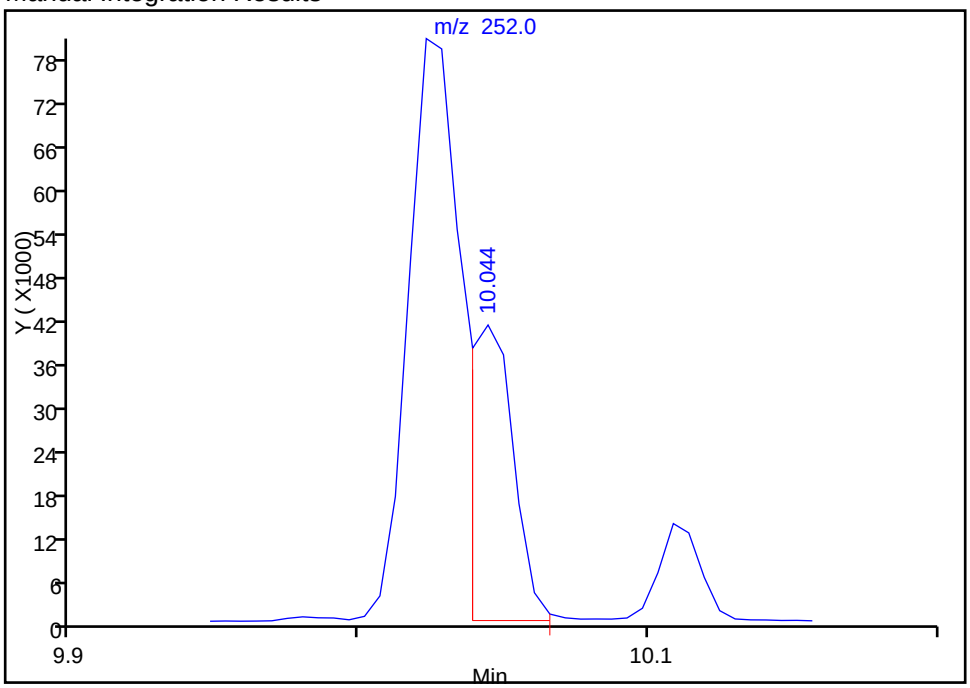
Processing Integration Results

RT: 10.30
Response: 64764
Amount: 1.202073



Manual Integration Results

RT: 10.04
Response: 43686
Amount: 0.809493



Reviewer: webbk, 16-Oct-2014 08:15:24
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005AA-CS24 | Lab Sample ID: 680-106200-9

Matrix: Solid | Lab File ID: 2YJ1519.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 14:30

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

Sample wt/vol: 30.14(g) | Date Analyzed: 10/15/2014 19:24

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

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

% Moisture: 11.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | 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	75	U	75	37
50-32-8	Benzo[a]pyrene	75	U	75	14
205-99-2	Benzo[b]fluoranthene	75	U	75	37
191-24-2	Benzo[g,h,i]perylene	75	U	75	37
207-08-9	Benzo[k]fluoranthene	75	U	75	23
218-01-9	Chrysene	75	U	75	37
53-70-3	Dibenz(a,h)anthracene	75	U	75	37
206-44-0	Fluoranthene	75	U	75	37
86-73-7	Fluorene	75	U	75	37
193-39-5	Indeno[1,2,3-cd]pyrene	75	U	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	75	U	75	27
129-00-0	Pyrene	75	U	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\20141015-13789.b\2YJ1519.D				
Lims ID:	680-106200-A-9-A	Lab Sample ID:	680-106200-9		
Client ID:	CV0005AA-CS24				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 19:24:30	ALS Bottle#:	17	Worklist Smp#:	19
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	106200-A-9-A 1:10				
Misc. Info.:	680-0013789-019				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:15:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.856	2.856	0.000	98	146144	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	92	82590	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	127021	2.00	
* 4 Chrysene-d12	240	8.996	8.996	0.000	99	102723	2.00	
* 5 Perylene-d12	264	10.344	10.344	0.000	99	81864	2.00	
17 Fluoranthene	202	7.445	7.445	0.000	98	5426	0.0673	
18 Pyrene	202	7.680	7.680	0.000	97	4650	0.0691	

Reagents:

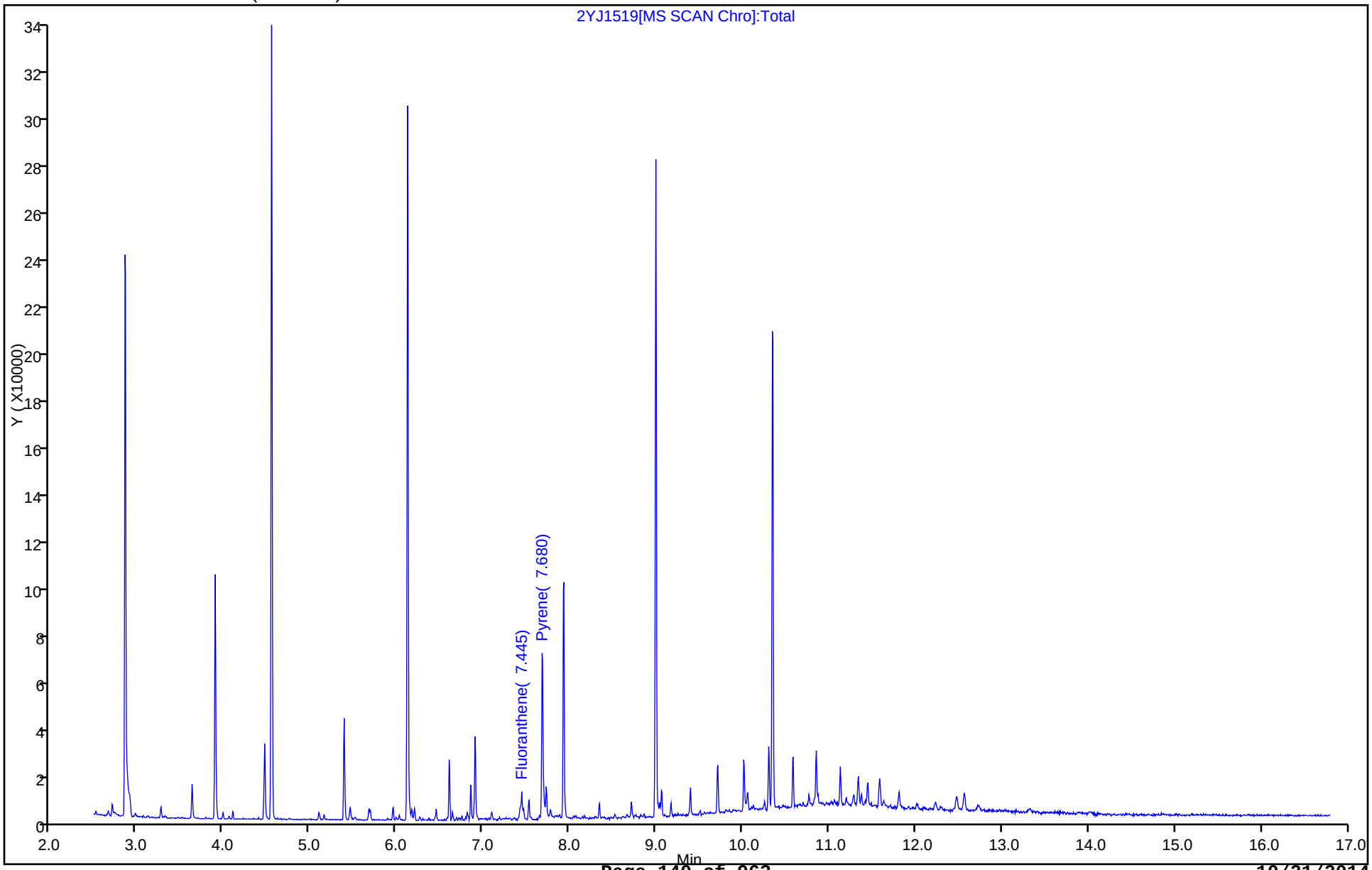
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:20 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1519.D				
Injection Date:	15-Oct-2014 19:24:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-9-A	Lab Sample ID:	680-106200-9	Worklist Smp#:	19
Client ID:	CV0005AA-CS24				
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)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005BB-CS6 | Lab Sample ID: 680-106200-10

Matrix: Solid | Lab File ID: 2YJ1520.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 12:30

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

Sample wt/vol: 30.09(g) | Date Analyzed: 10/15/2014 19:47

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

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

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

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	75
208-96-8	Acenaphthylene	100	J	150	75
120-12-7	Anthracene	90	J	150	75
56-55-3	Benzo[a]anthracene	550		150	75
50-32-8	Benzo[a]pyrene	650		150	27
205-99-2	Benzo[b]fluoranthene	920		150	75
191-24-2	Benzo[g,h,i]perylene	460		150	75
207-08-9	Benzo[k]fluoranthene	390		150	46
218-01-9	Chrysene	710		150	75
53-70-3	Dibenz(a,h)anthracene	96	J	150	75
206-44-0	Fluoranthene	1000		150	75
86-73-7	Fluorene	150	U	150	75
193-39-5	Indeno[1,2,3-cd]pyrene	350		150	75
90-12-0	1-Methylnaphthalene	88	J	150	71
91-57-6	2-Methylnaphthalene	100	J	150	75
91-20-3	Naphthalene	97	J	150	75
85-01-8	Phenanthrene	460		150	55
129-00-0	Pyrene	960		150	75

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\20141015-13789.b\2YJ1520.D				
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 19:47:30	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	106200-A-10-A 1:20				
Misc. Info.:	680-0013789-020				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:17:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.856	2.856	0.000	98	131168	2.00	
* 2 Acenaphthene-d10	164	4.552	4.546	0.006	92	73290	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	121953	2.00	
* 4 Chrysene-d12	240	9.002	8.996	0.006	99	116660	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	91998	2.00	
7 Naphthalene	128	2.877	2.877	0.000	99	9147	0.1278	
8 2-Methylnaphthalene	142	3.514	3.514	0.000	87	6427	0.1355	
9 1-Methylnaphthalene	142	3.610	3.605	0.005	90	5063	0.1151	
11 Acenaphthylene	152	4.402	4.396	0.006	97	9297	0.1309	
15 Phenanthrene	178	6.151	6.151	0.000	96	43644	0.5980	
16 Anthracene	178	6.204	6.204	0.000	98	8592	0.1184	
17 Fluoranthene	202	7.445	7.445	0.000	98	103230	1.33	
18 Pyrene	202	7.680	7.680	0.000	97	96372	1.26	
19 Benzo[a]anthracene	228	8.991	8.991	0.000	97	48904	0.7168	
20 Chrysene	228	9.023	9.023	0.000	99	60463	0.9324	
21 Benzo[b]fluoranthene	252	10.023	10.023	0.000	98	73041	1.21	
22 Benzo[k]fluoranthene	252	10.045	10.050	-0.005	99	29844	0.5083	M
23 Benzo[a]pyrene	252	10.301	10.296	0.005	98	42497	0.8539	
24 Indeno[1,2,3-cd]pyrene	276	11.200	11.200	0.000	99	29598	0.4621	
25 Dibenz(a,h)anthracene	278	11.227	11.227	0.000	96	5495	0.1264	
26 Benzo[g,h,i]perylene	276	11.419	11.424	-0.005	98	27246	0.6004	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

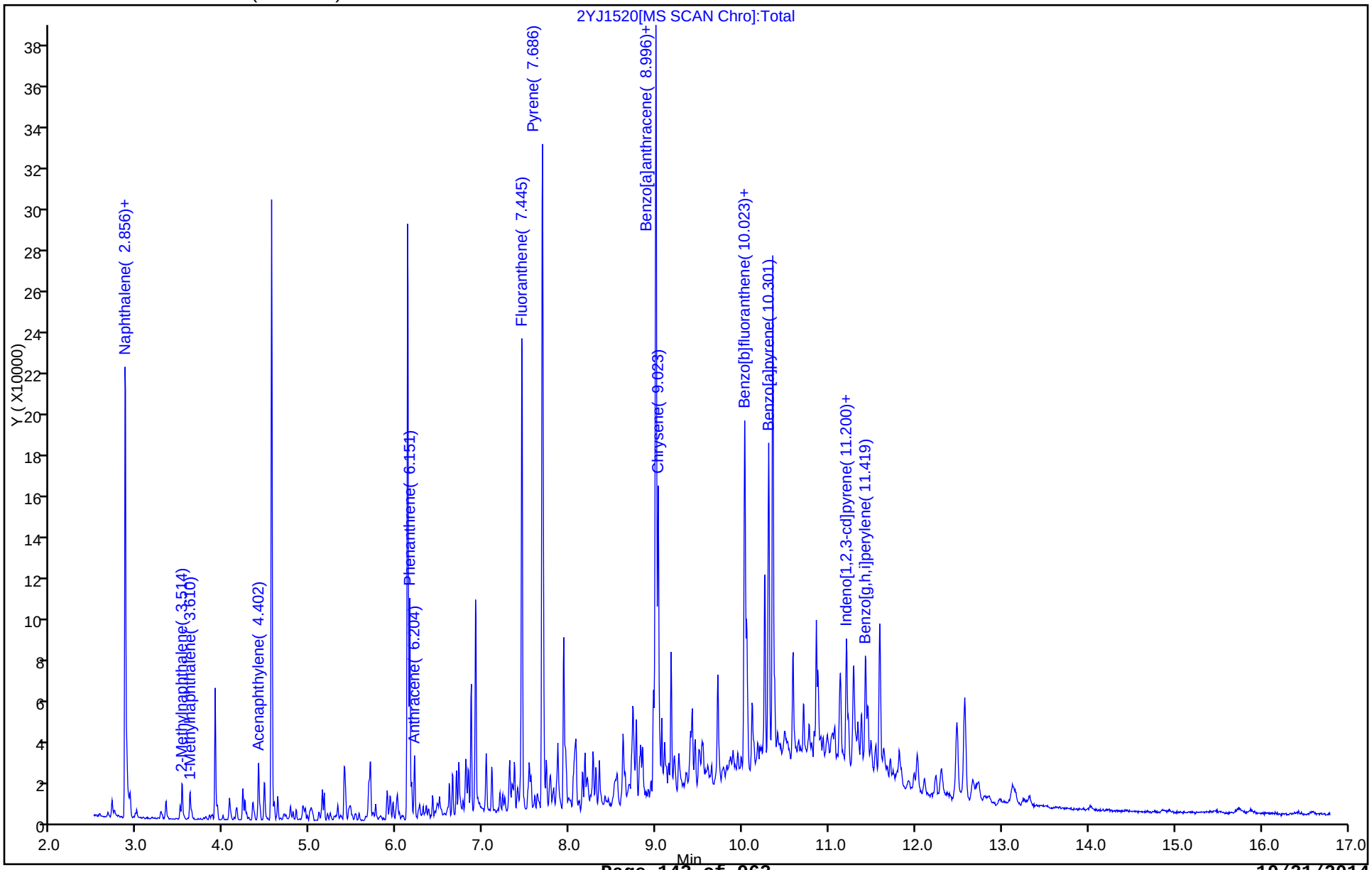
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10	Worklist Smp#:	20
Client ID:	CV0005BB-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	18
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

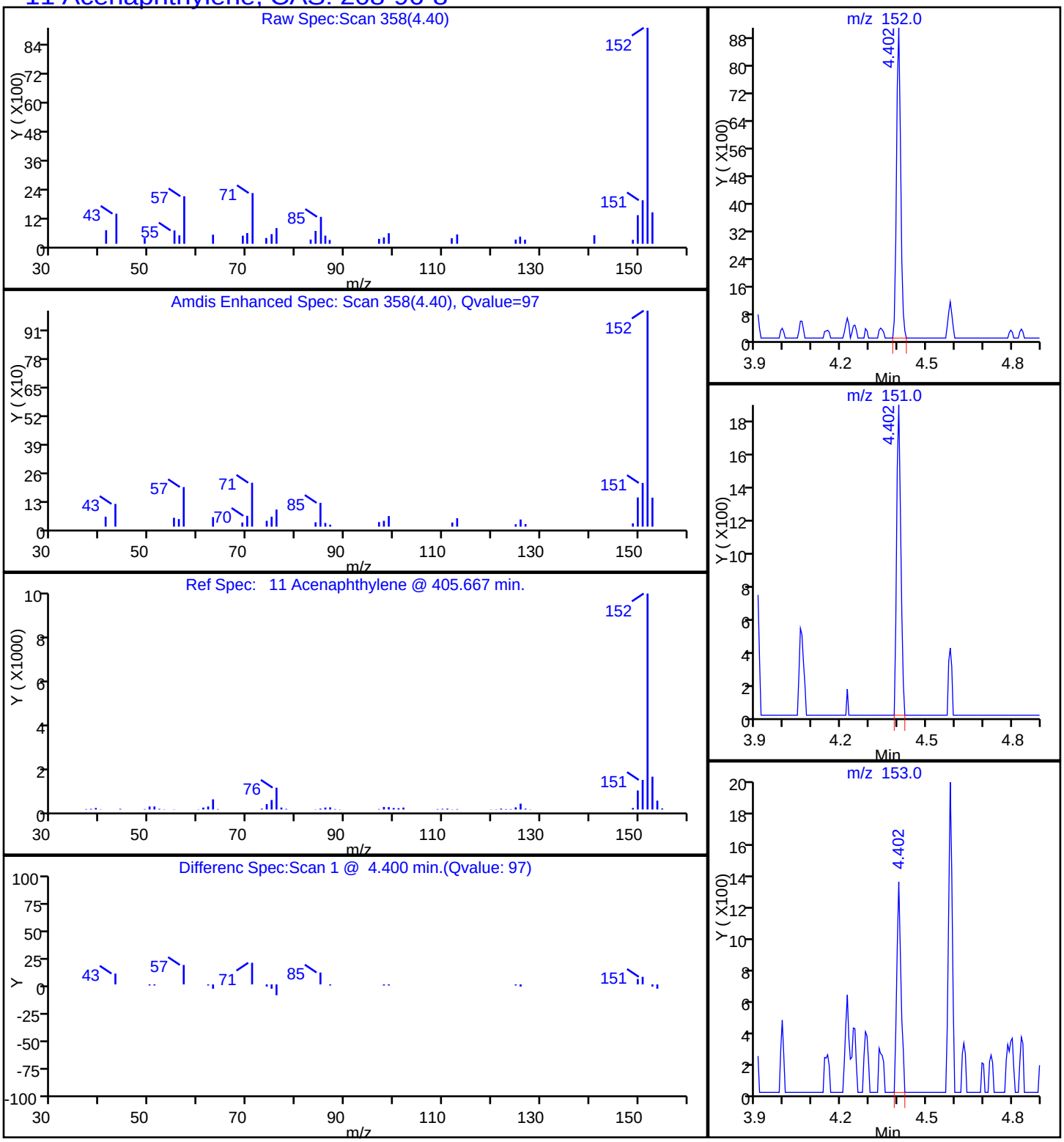


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

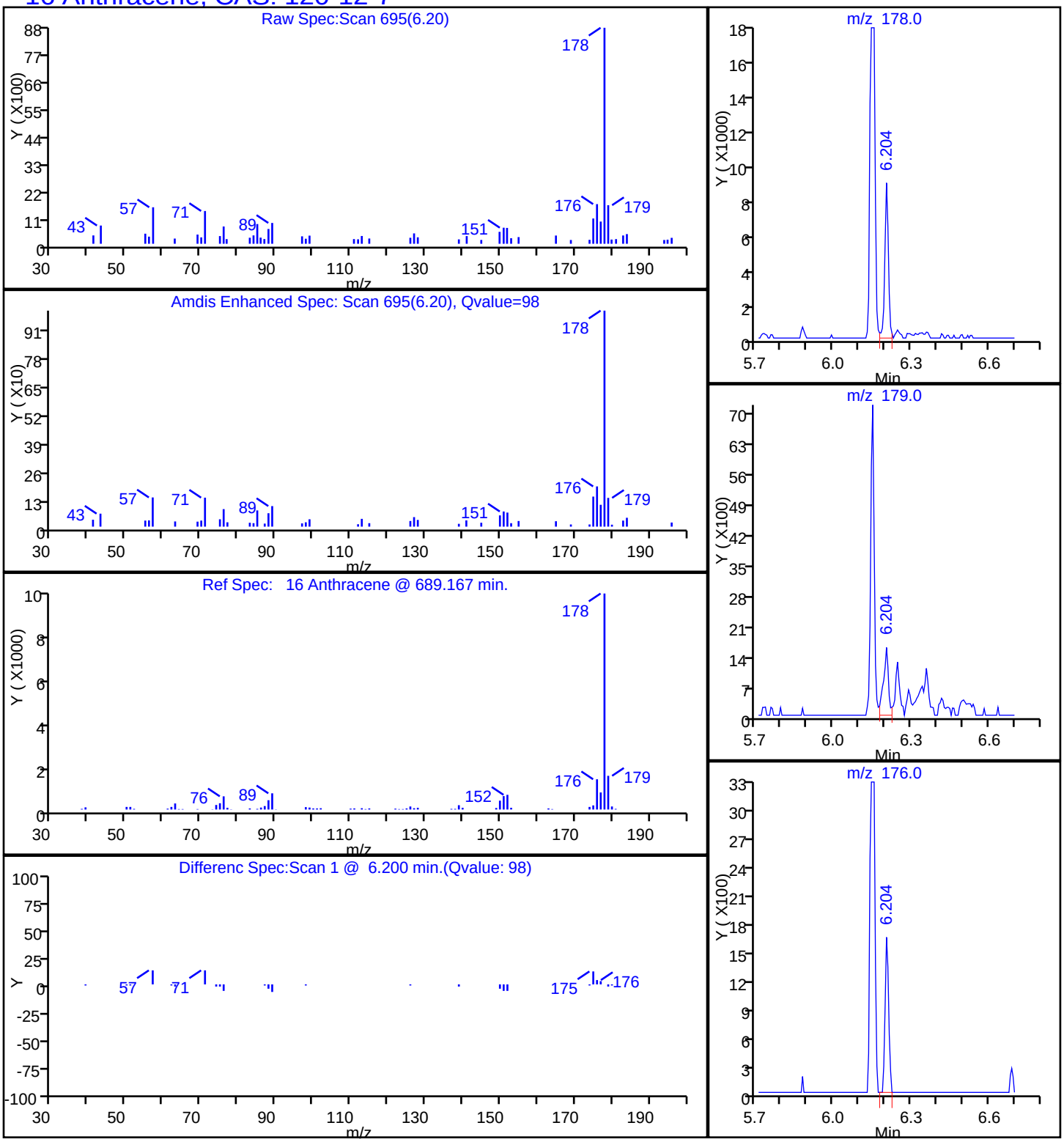


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

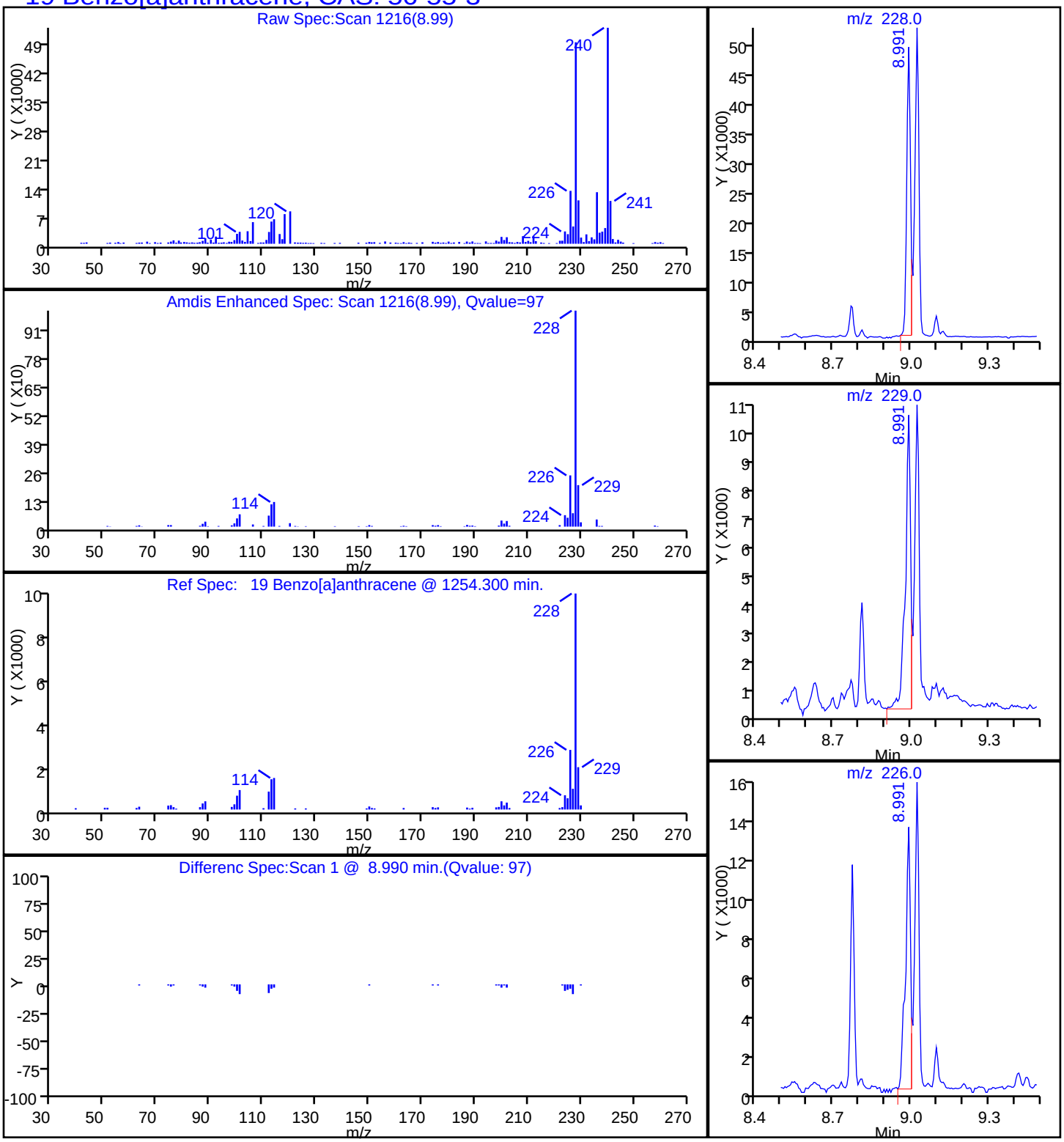


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

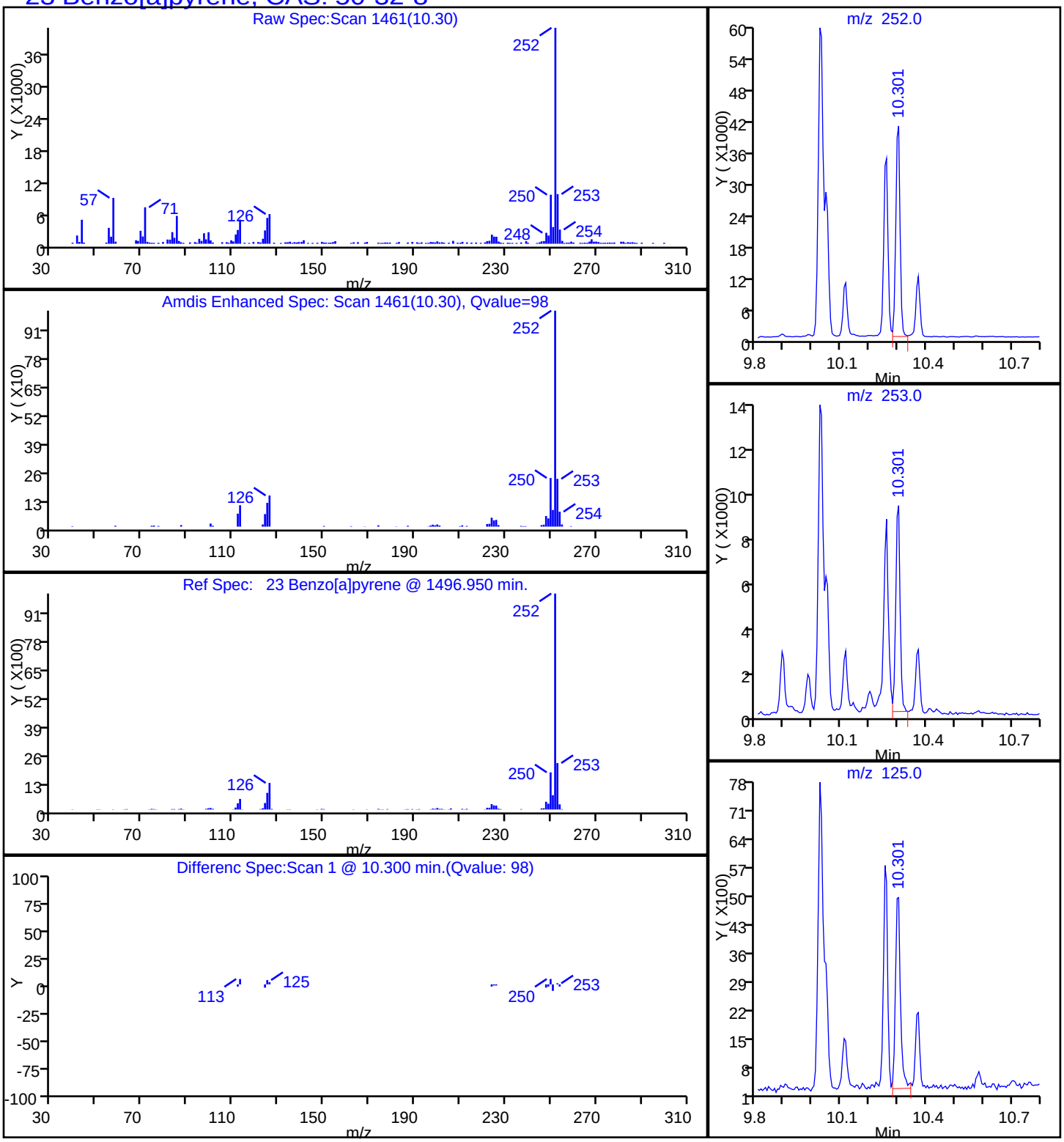


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

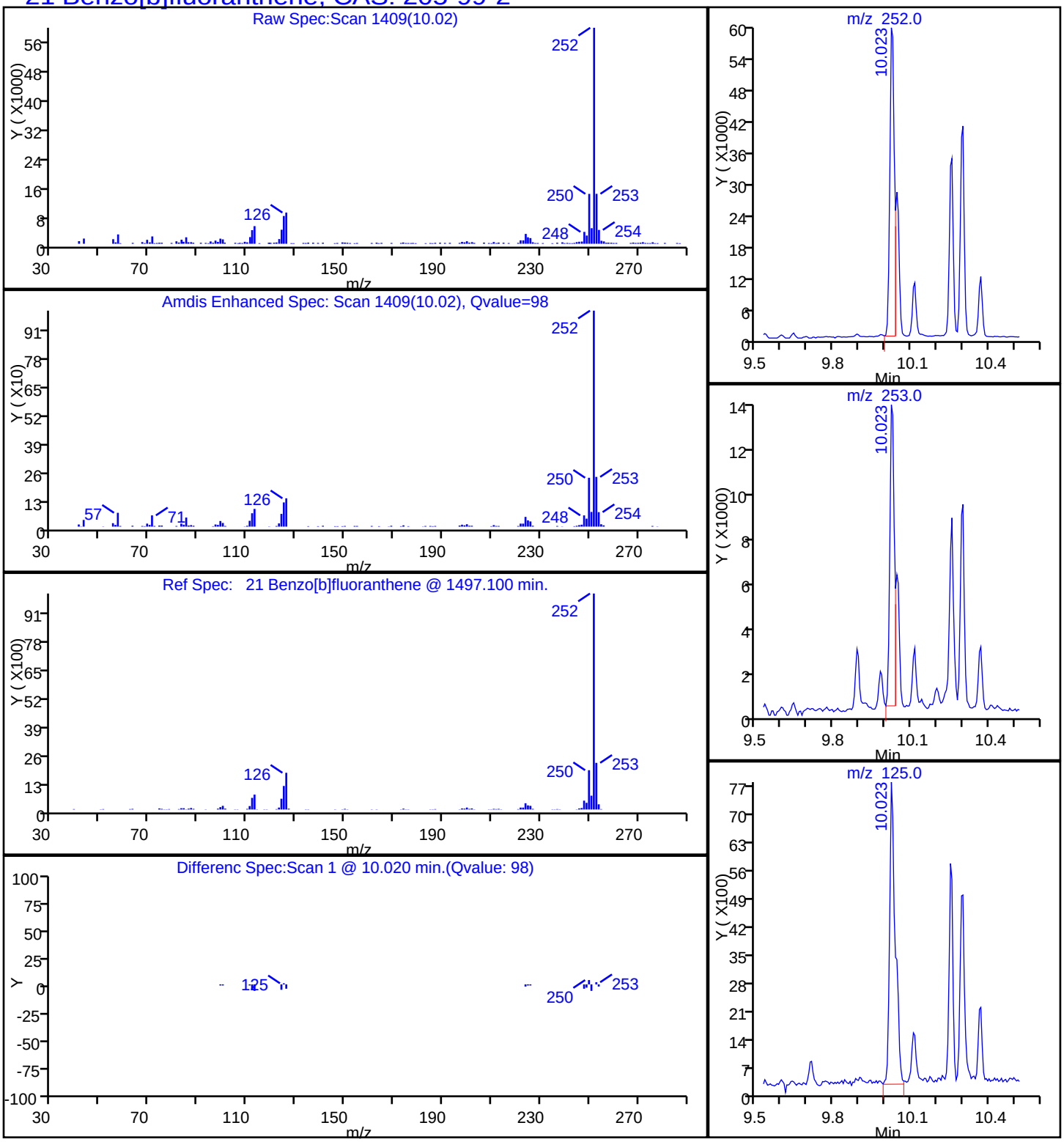


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

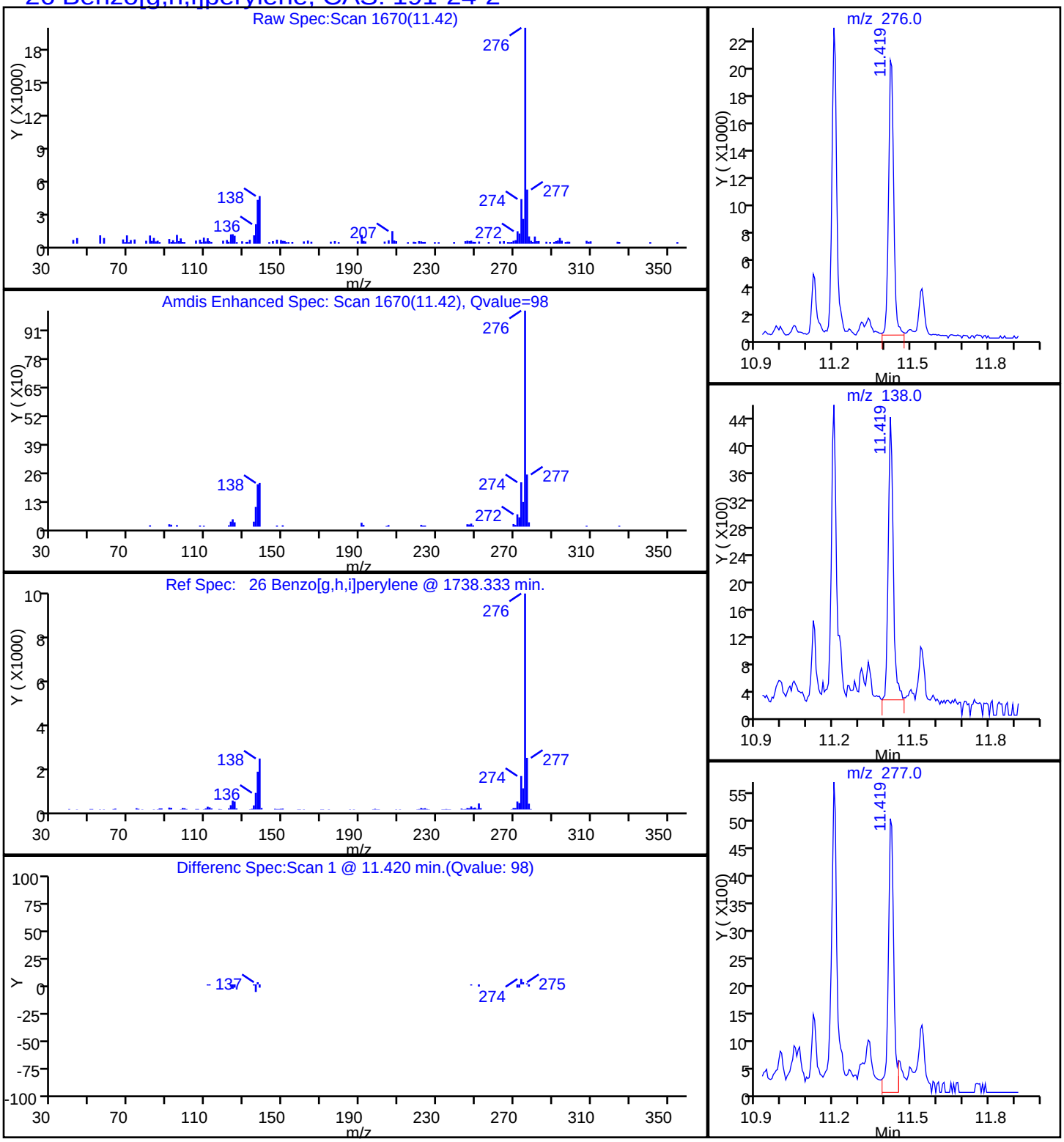


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

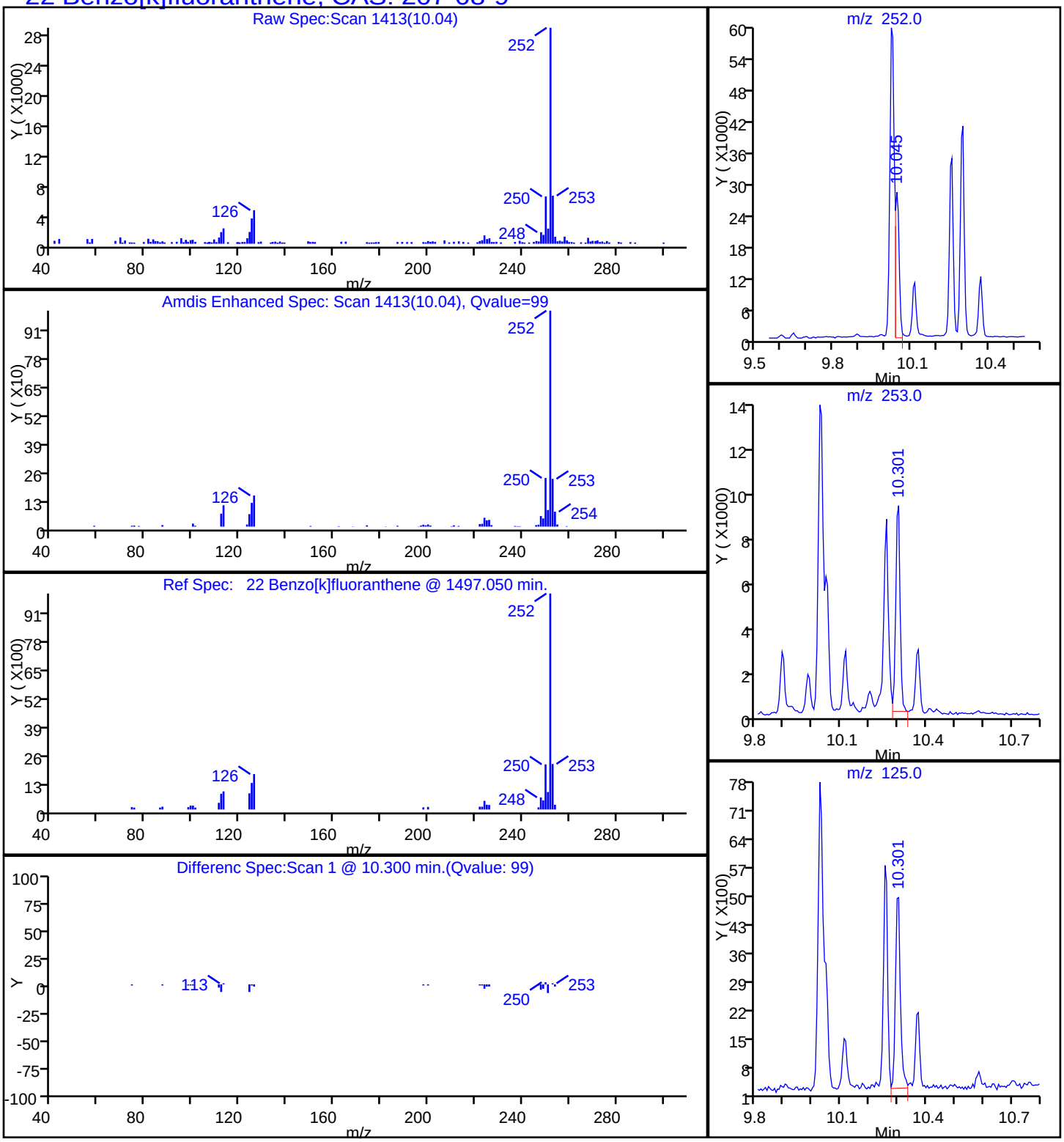


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

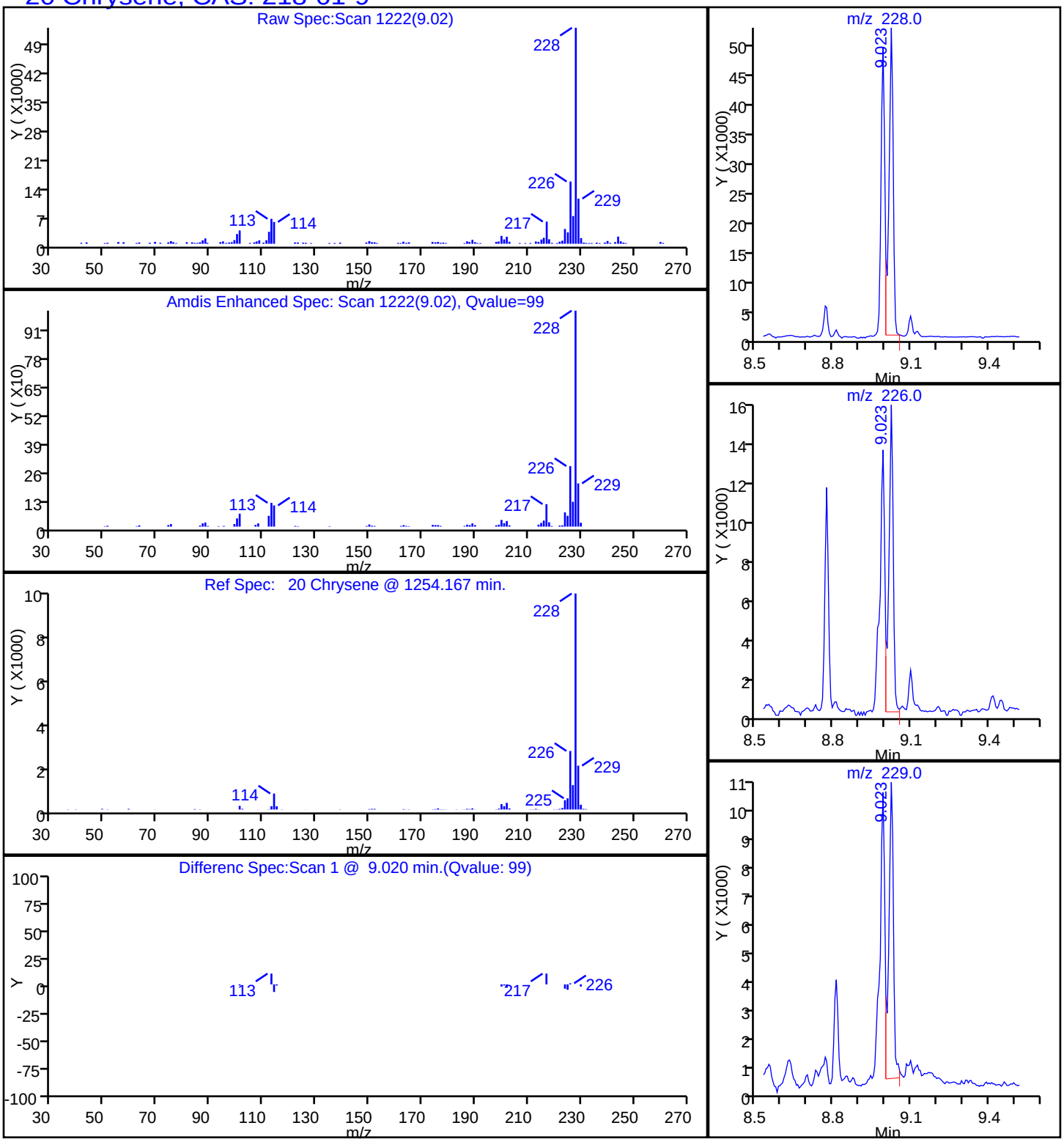


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

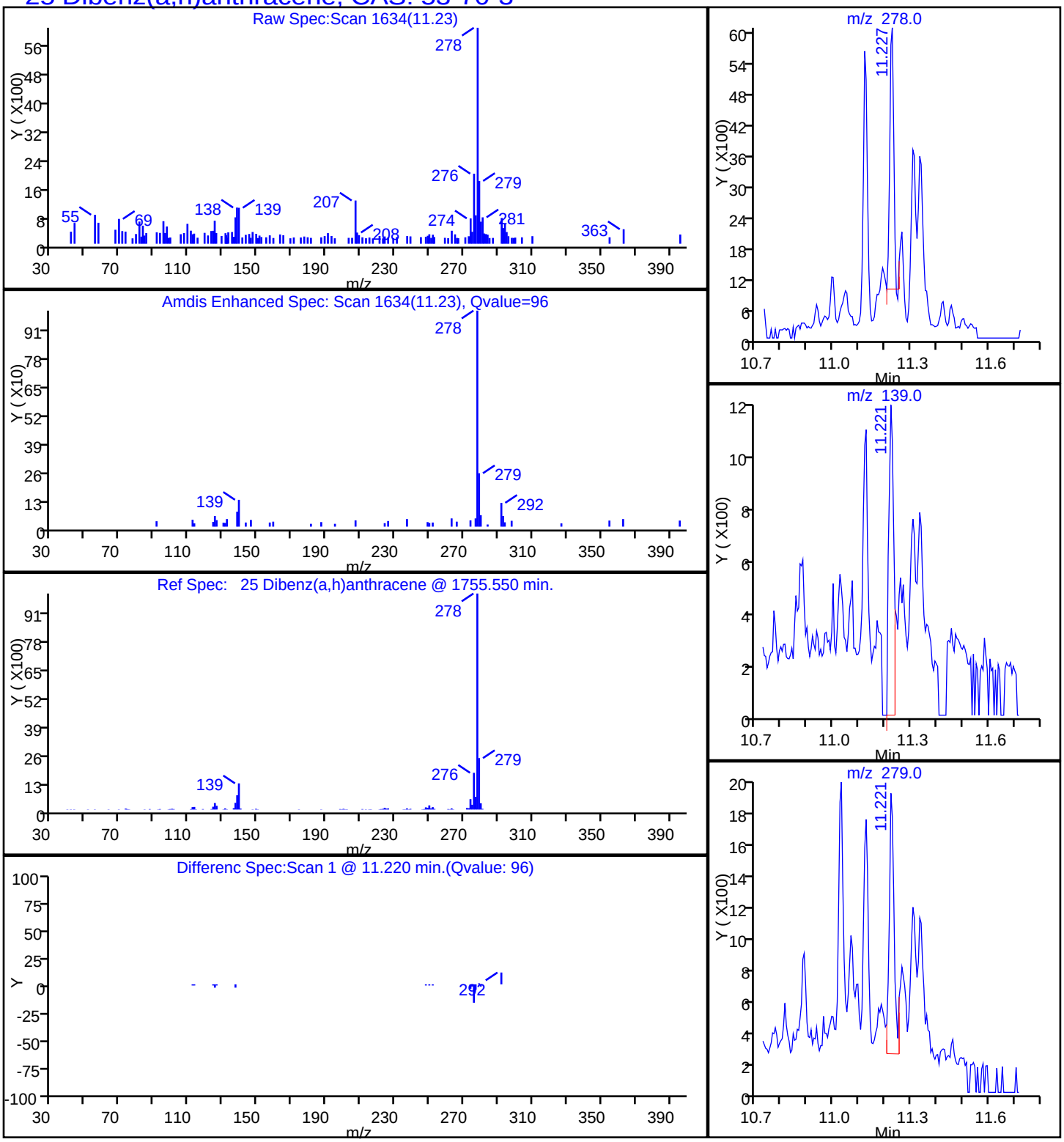


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

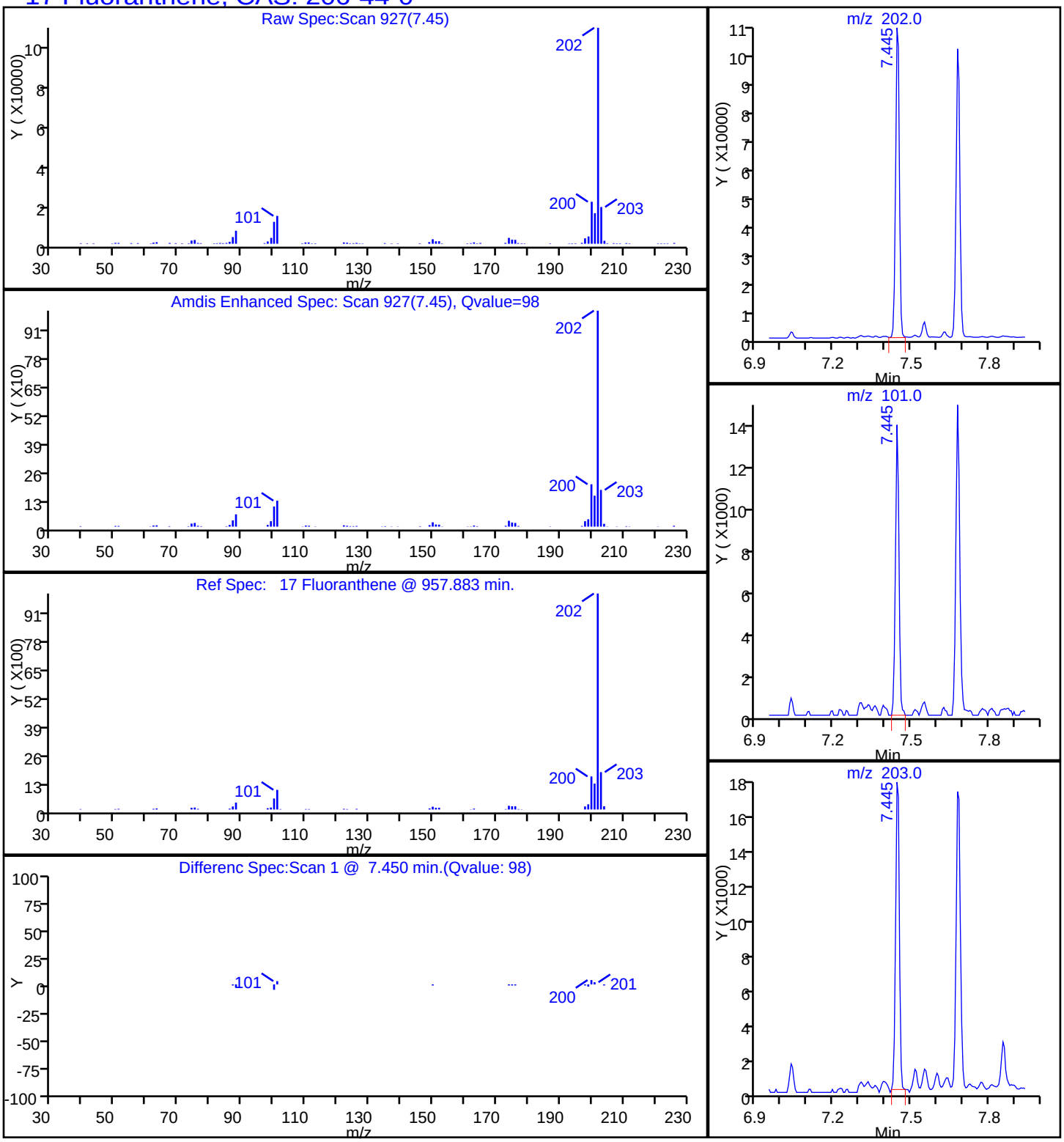


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

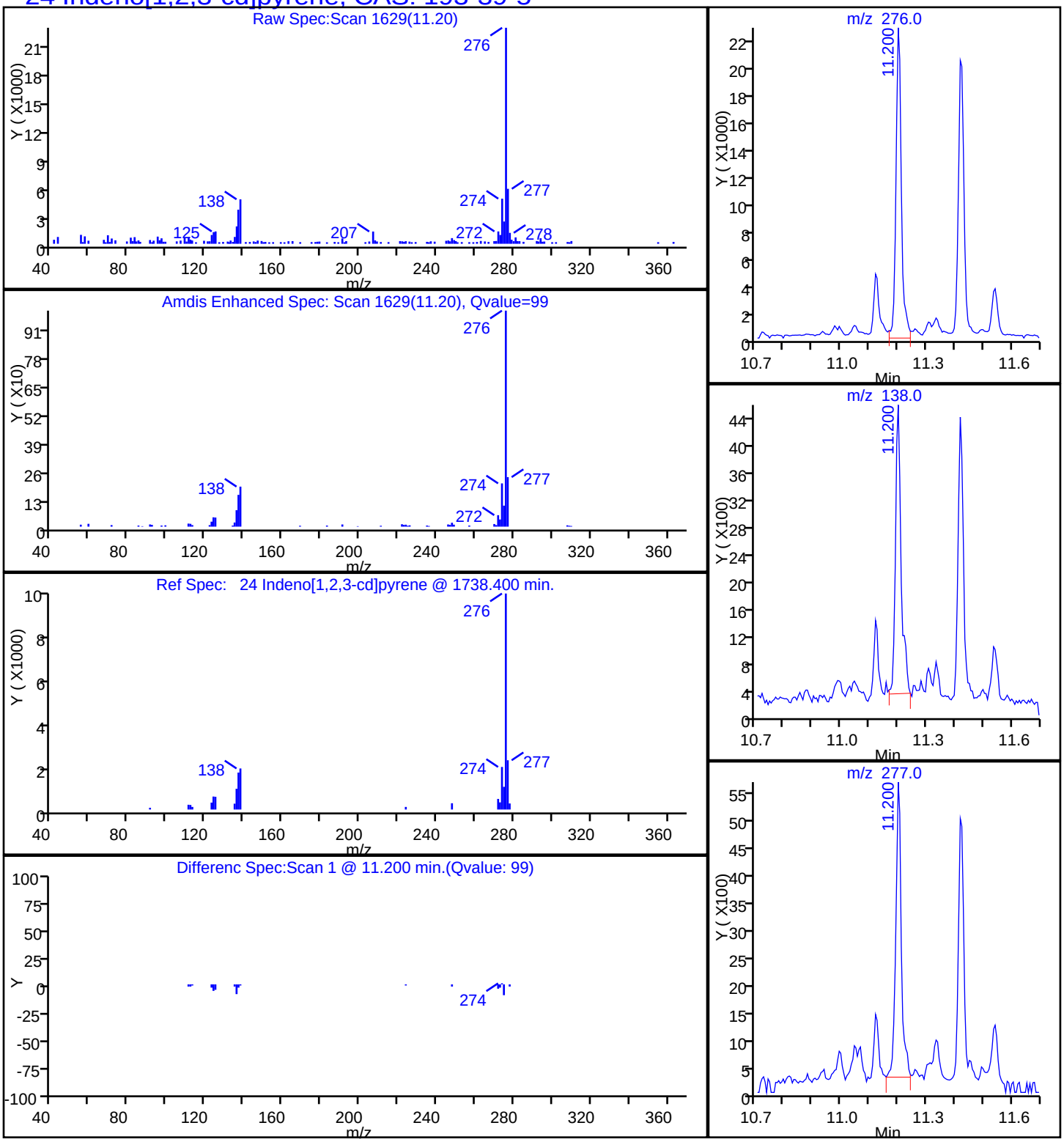


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

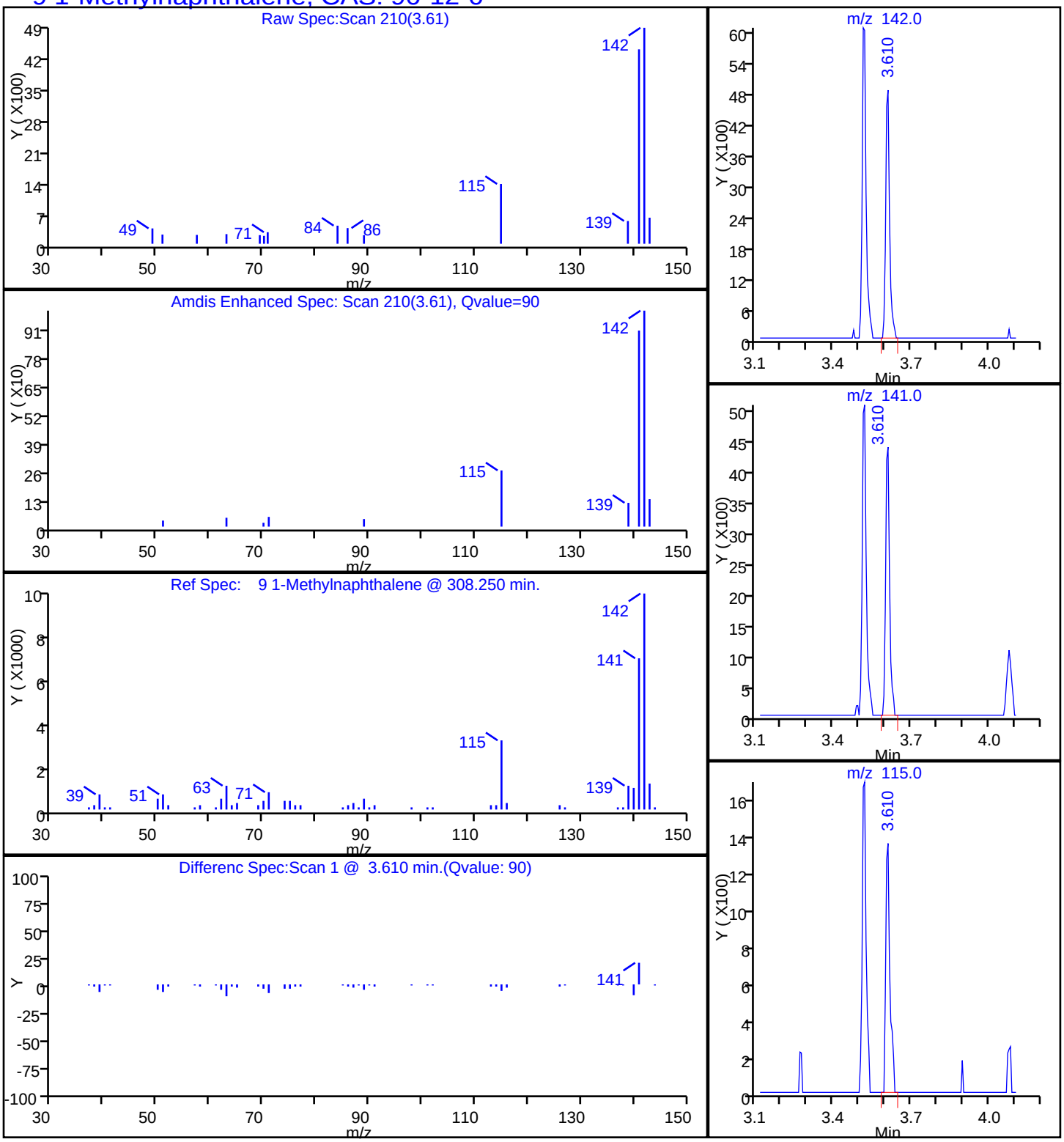


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

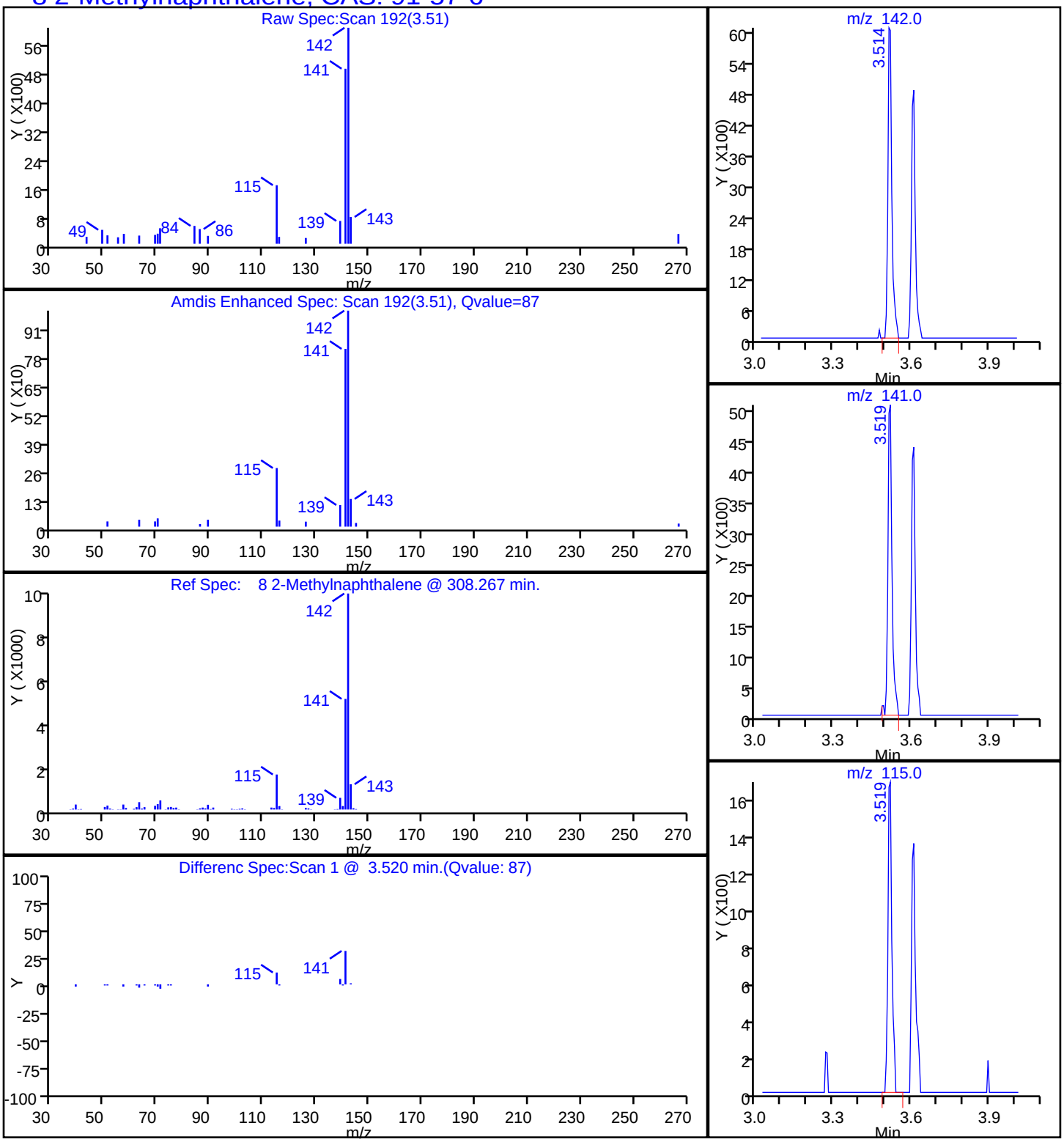


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

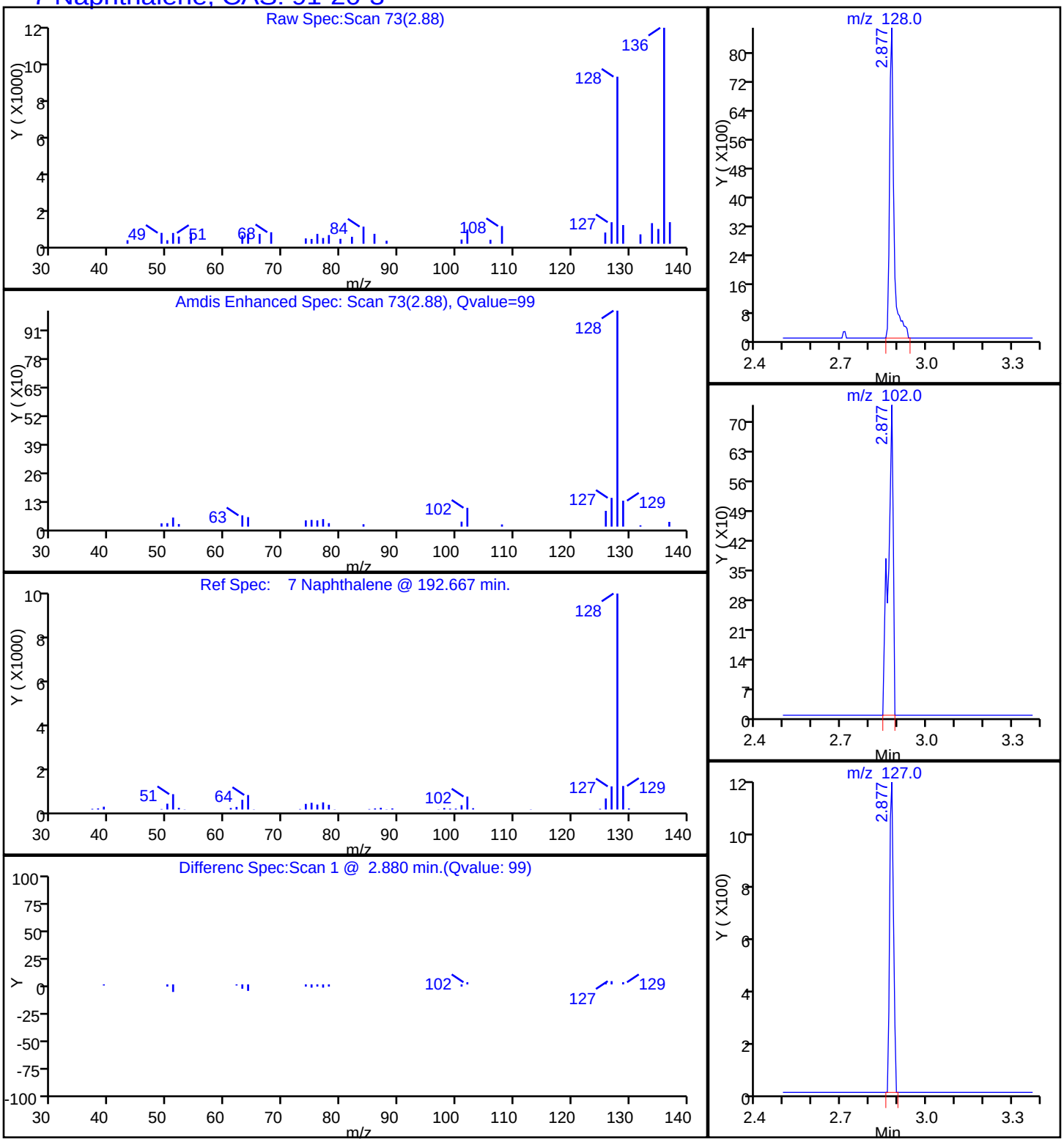


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

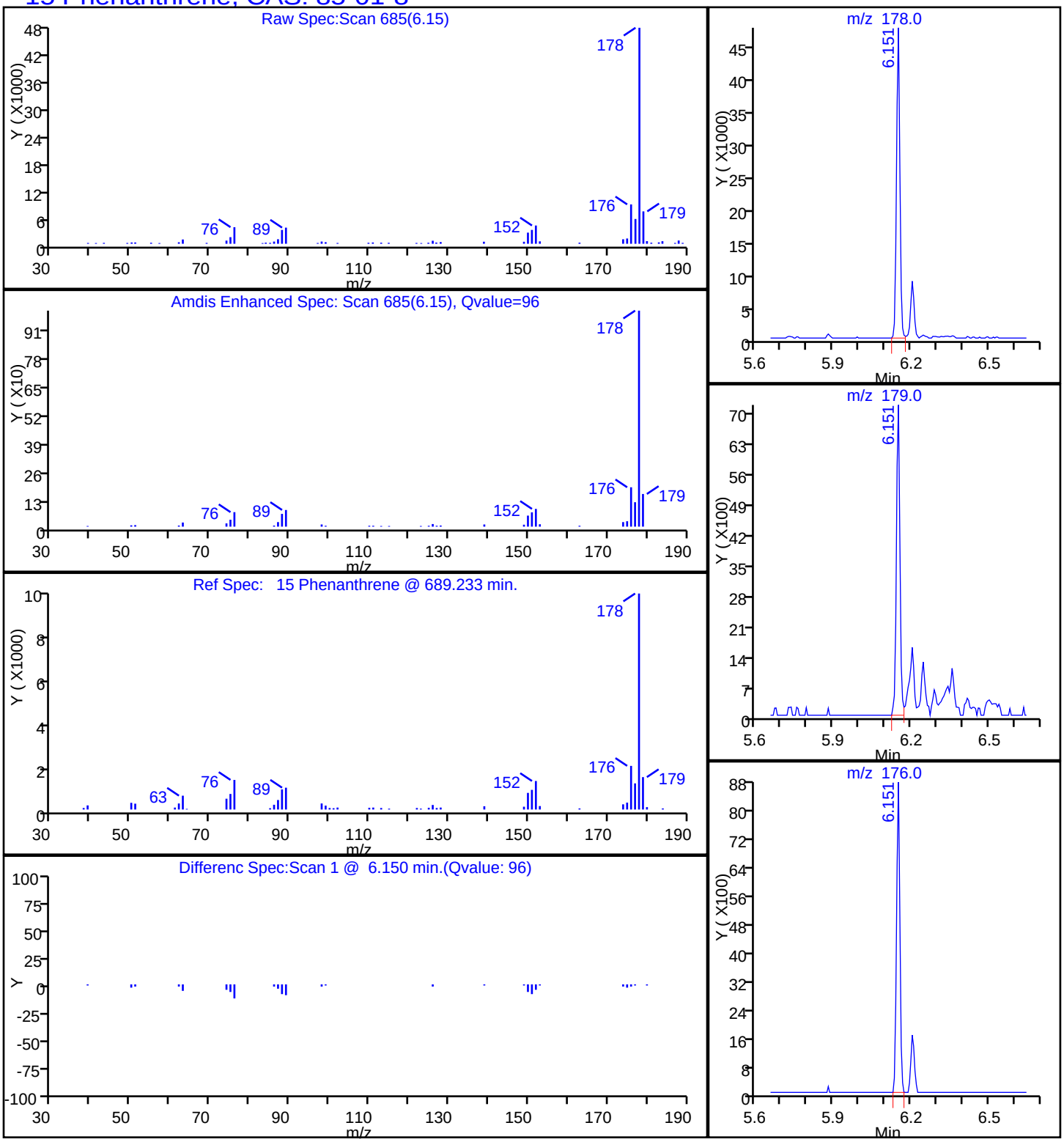


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

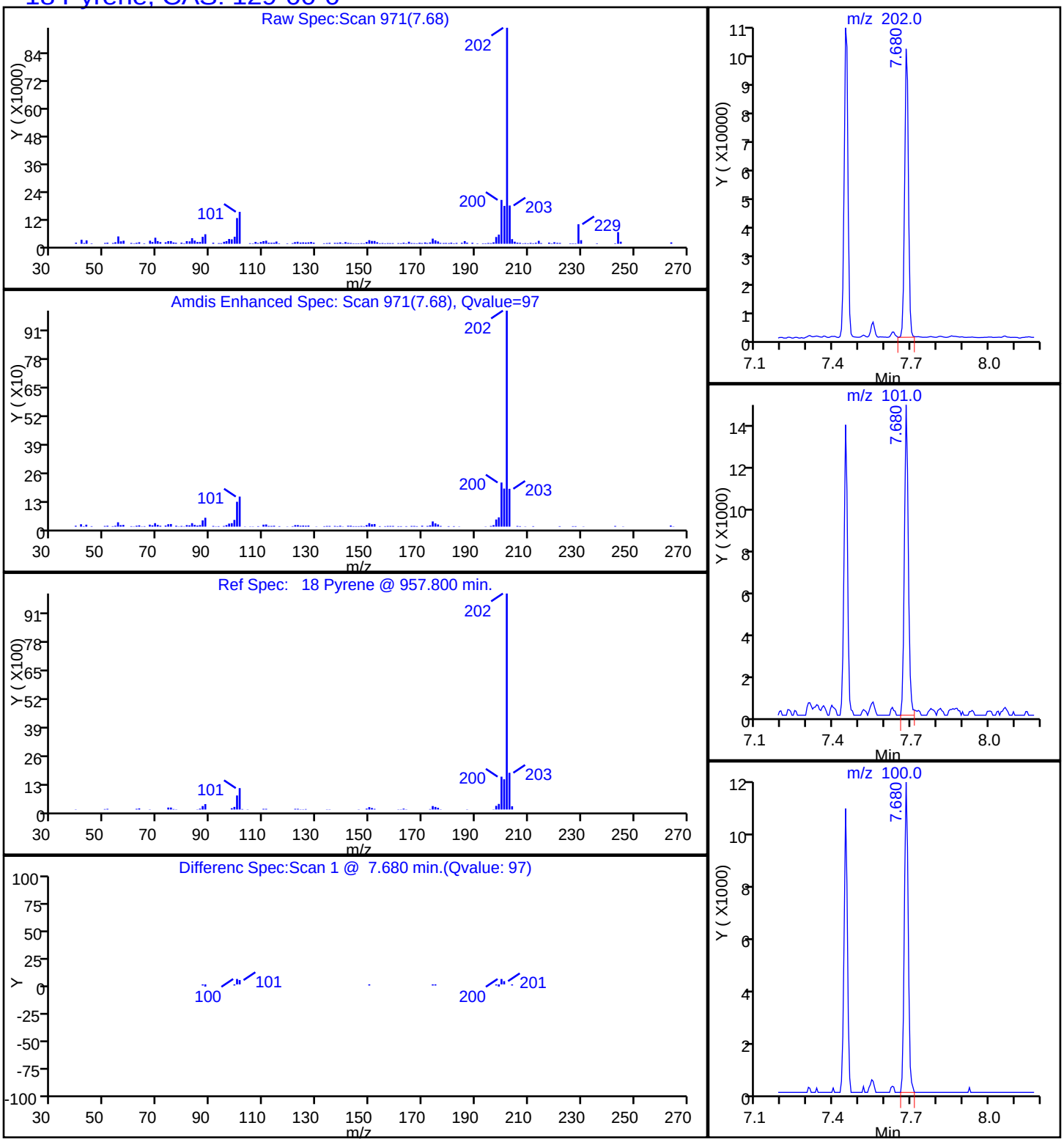


Report Date: 16-Oct-2014 08:47:21 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

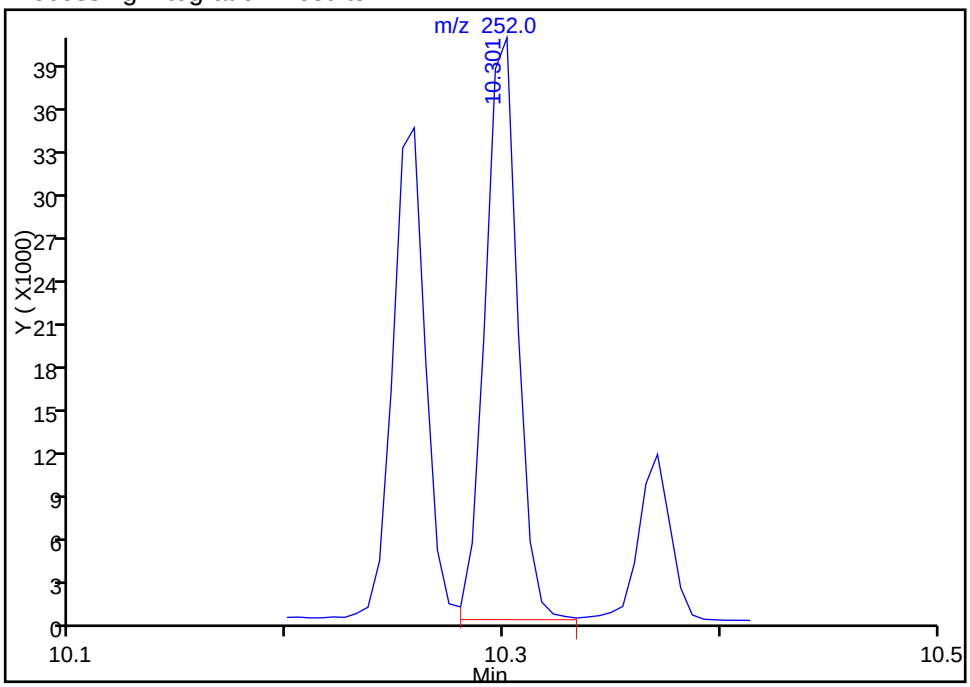
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1520.D				
Injection Date:	15-Oct-2014 19:47:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-10-A	Lab Sample ID:	680-106200-10		
Client ID:	CV0005BB-CS6				
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

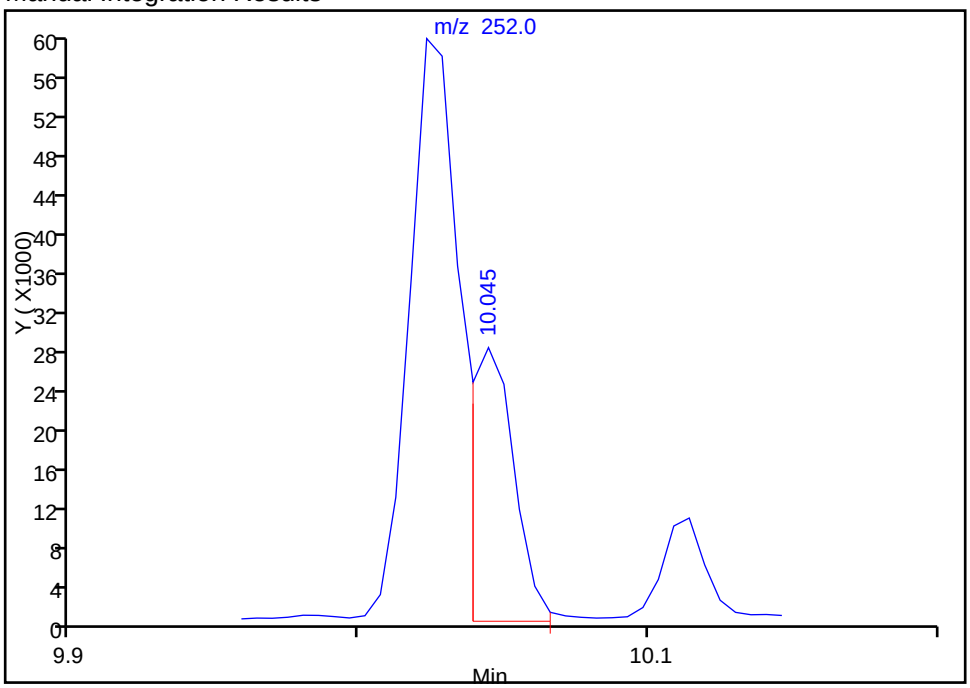
Processing Integration Results

RT: 10.30
Response: 42446
Amount: 0.723619



Manual Integration Results

RT: 10.04
Response: 29844
Amount: 0.508315



Reviewer: webbk, 16-Oct-2014 08:17:07
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005BB-CS12 | Lab Sample ID: 680-106200-11

Matrix: Solid | Lab File ID: 2YJ1521.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 12:40

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

Sample wt/vol: 30.16(g) | Date Analyzed: 10/15/2014 20:09

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

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

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	160	U	160	76
208-96-8	Acenaphthylene	160	U	160	76
120-12-7	Anthracene	160	U	160	76
56-55-3	Benzo[a]anthracene	230		160	76
50-32-8	Benzo[a]pyrene	230		160	28
205-99-2	Benzo[b]fluoranthene	330		160	76
191-24-2	Benzo[g,h,i]perylene	150	J	160	76
207-08-9	Benzo[k]fluoranthene	130	J	160	46
218-01-9	Chrysene	270		160	76
53-70-3	Dibenz(a,h)anthracene	160	U	160	76
206-44-0	Fluoranthene	480		160	76
86-73-7	Fluorene	160	U	160	76
193-39-5	Indeno[1,2,3-cd]pyrene	130	J	160	76
90-12-0	1-Methylnaphthalene	160	U	160	72
91-57-6	2-Methylnaphthalene	160	U	160	76
91-20-3	Naphthalene	160	U	160	76
85-01-8	Phenanthrene	290		160	56
129-00-0	Pyrene	470		160	76

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\20141015-13789.b\2YJ1521.D				
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 20:09:30	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	106200-A-11-A 1:20				
Misc. Info.:	680-0013789-021				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:19:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.861	2.856	0.005	98	143520	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	92	79049	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	134398	2.00	
* 4 Chrysene-d12	240	9.001	8.996	0.005	99	111374	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	93896	2.00	
15 Phenanthrene	178	6.151	6.151	0.000	96	29939	0.3722	
16 Anthracene	178	6.204	6.204	0.000	82	7172	0.0897	
17 Fluoranthene	202	7.445	7.445	0.000	98	53249	0.6246	
18 Pyrene	202	7.680	7.680	0.000	98	44525	0.6108	
19 Benzo[a]anthracene	228	8.991	8.991	0.000	97	19430	0.2983	
20 Chrysene	228	9.023	9.023	0.000	99	21389	0.3443	
21 Benzo[b]fluoranthene	252	10.023	10.023	0.000	98	26083	0.4224	M
22 Benzo[k]fluoranthene	252	10.044	10.050	-0.006	99	10218	0.1703	M
23 Benzo[a]pyrene	252	10.296	10.296	0.000	97	14898	0.2933	
24 Indeno[1,2,3-cd]pyrene	276	11.200	11.200	0.000	99	10002	0.1636	
25 Dibenz(a,h)anthracene	278	11.226	11.227	-0.001	26	3018	0.0680	7
26 Benzo[g,h,i]perylene	276	11.419	11.424	-0.005	97	9145	0.1976	

QC Flag Legend

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

Reagents:

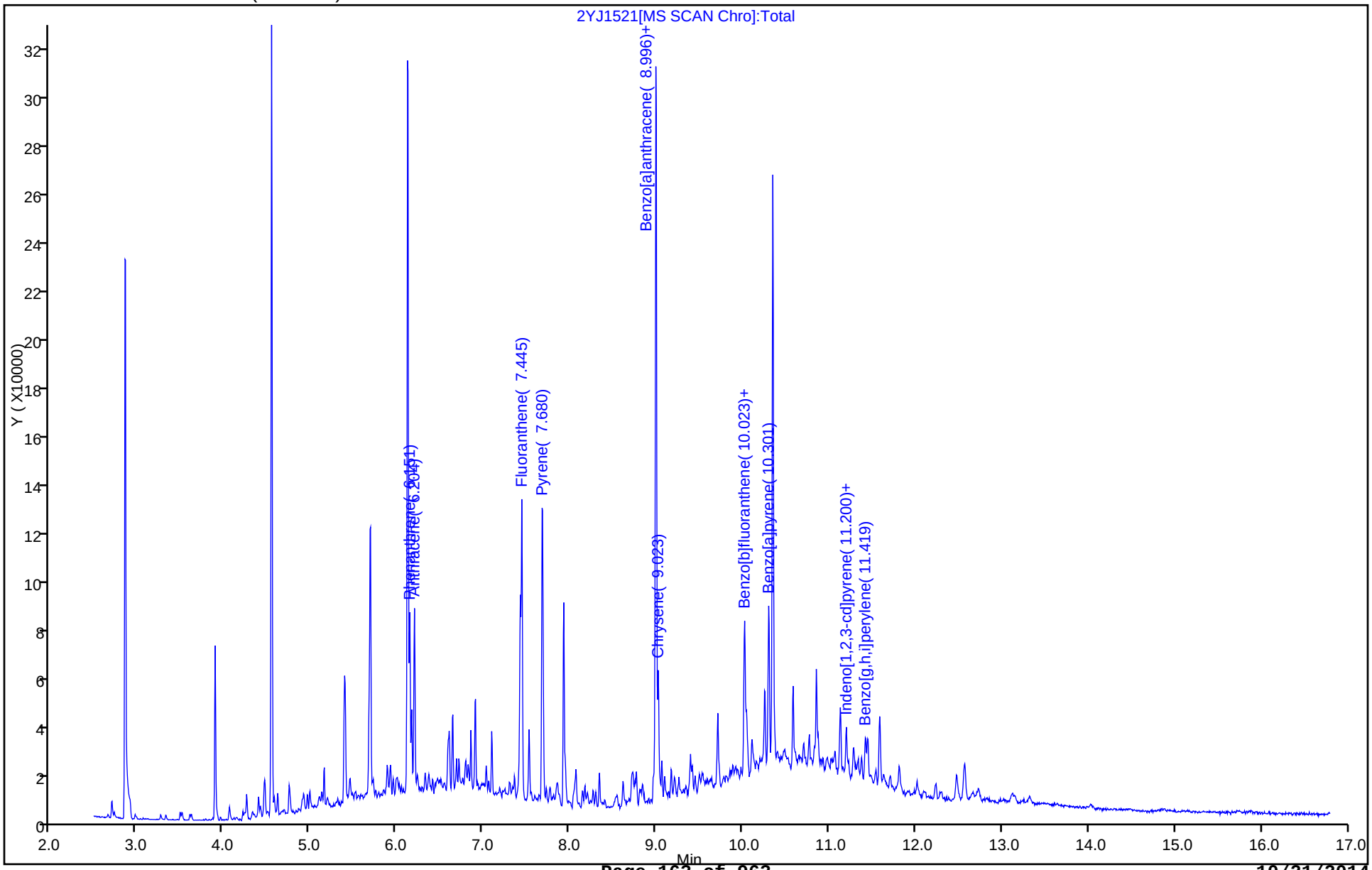
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11	Worklist Smp#:	21
Client ID:	CV0005BB-CS12				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	19
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

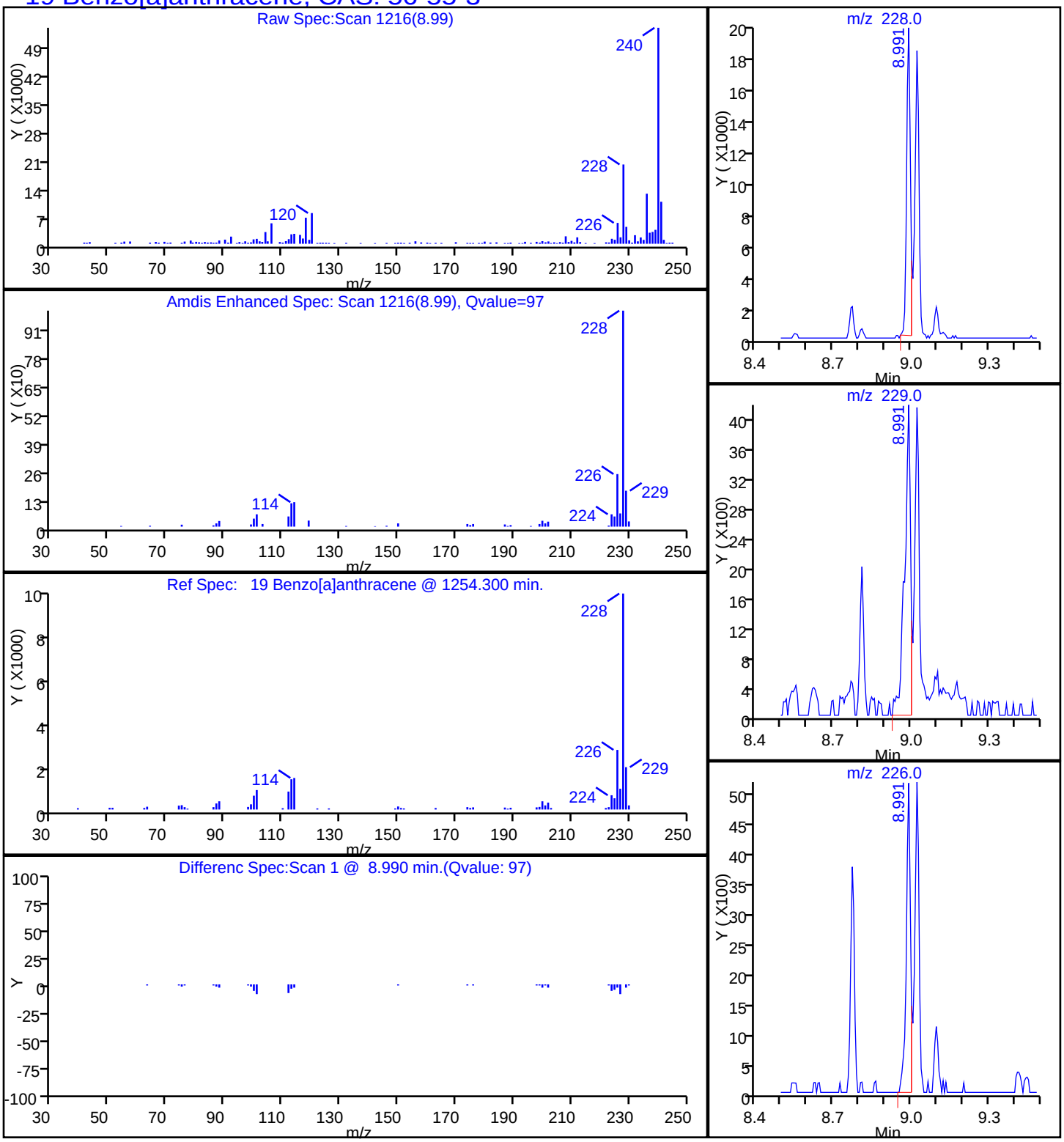


Report Date: 16-Oct-2014 08:47:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

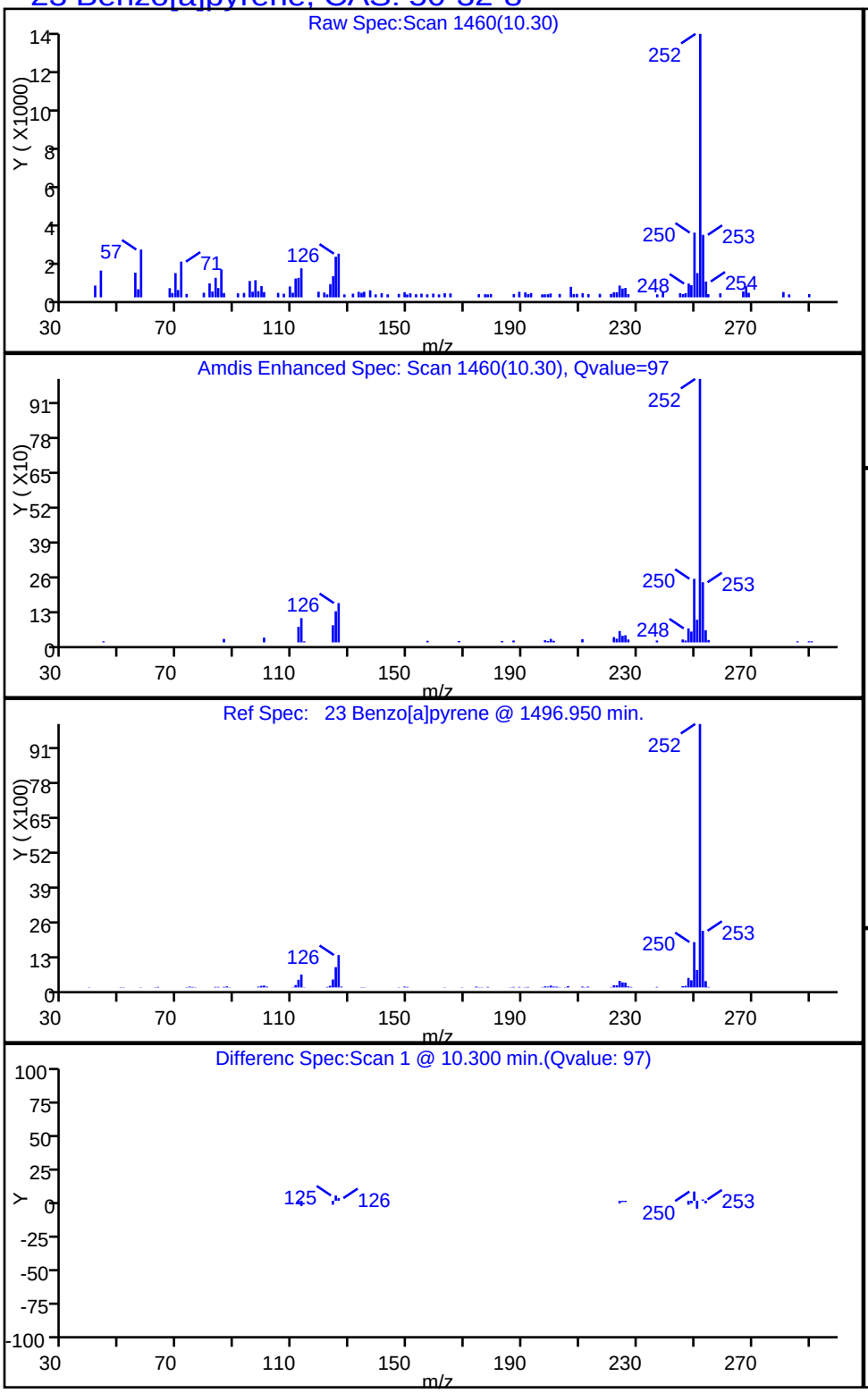


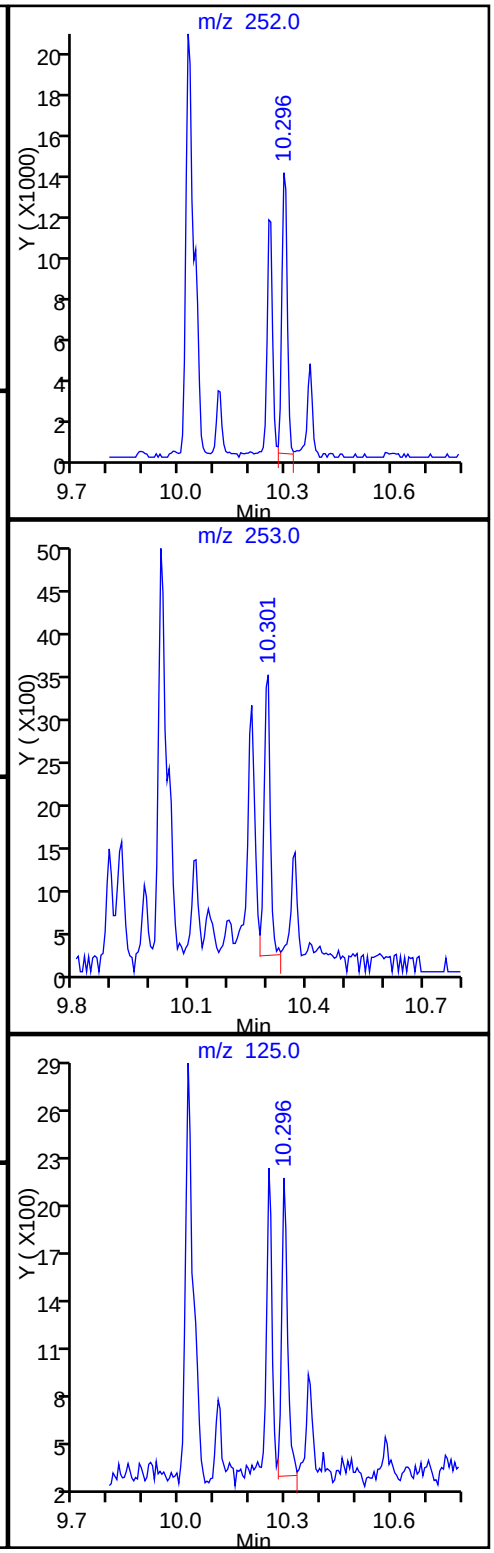
Report Date: 16-Oct-2014 08:47:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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



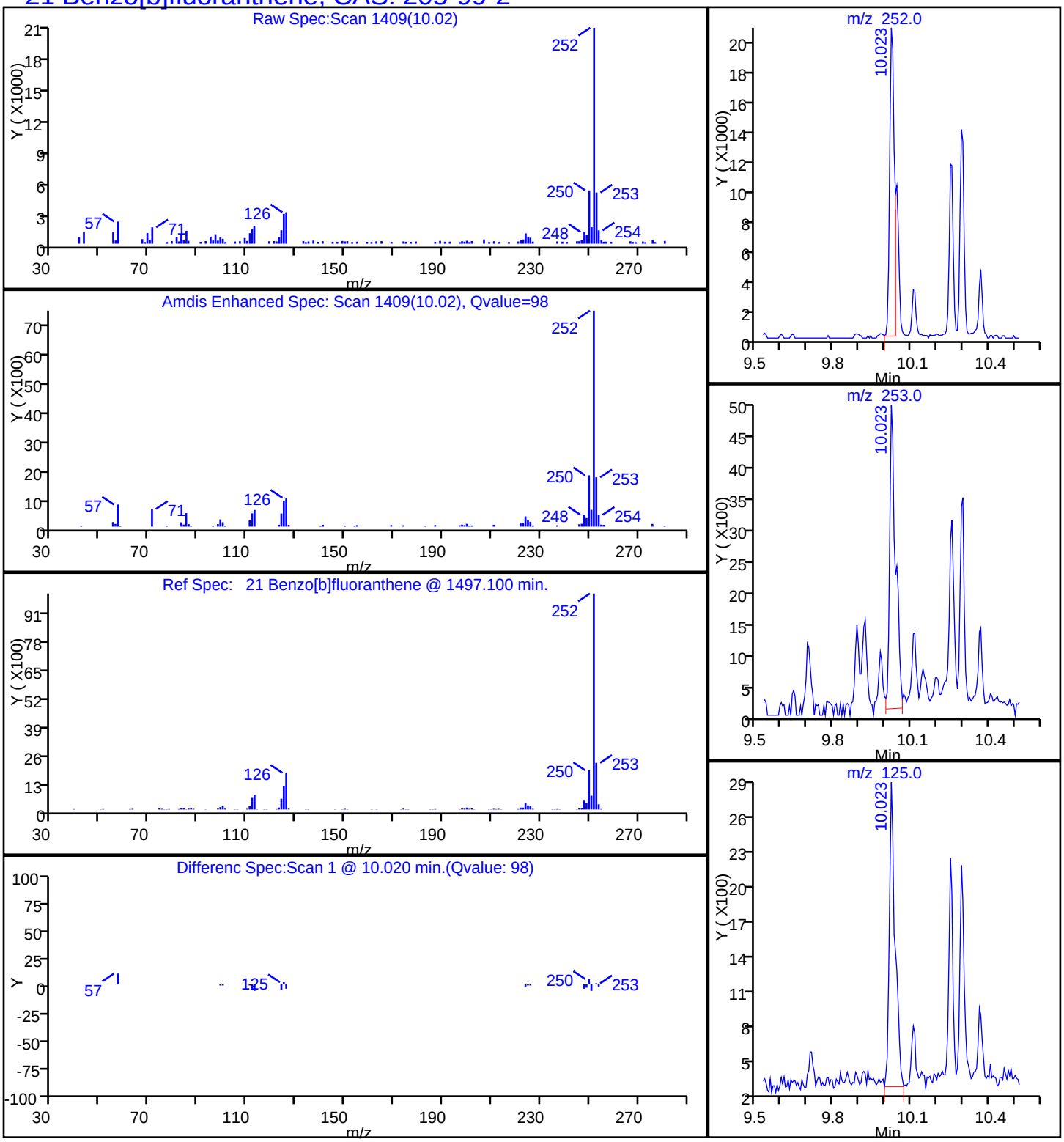


Report Date: 16-Oct-2014 08:47:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

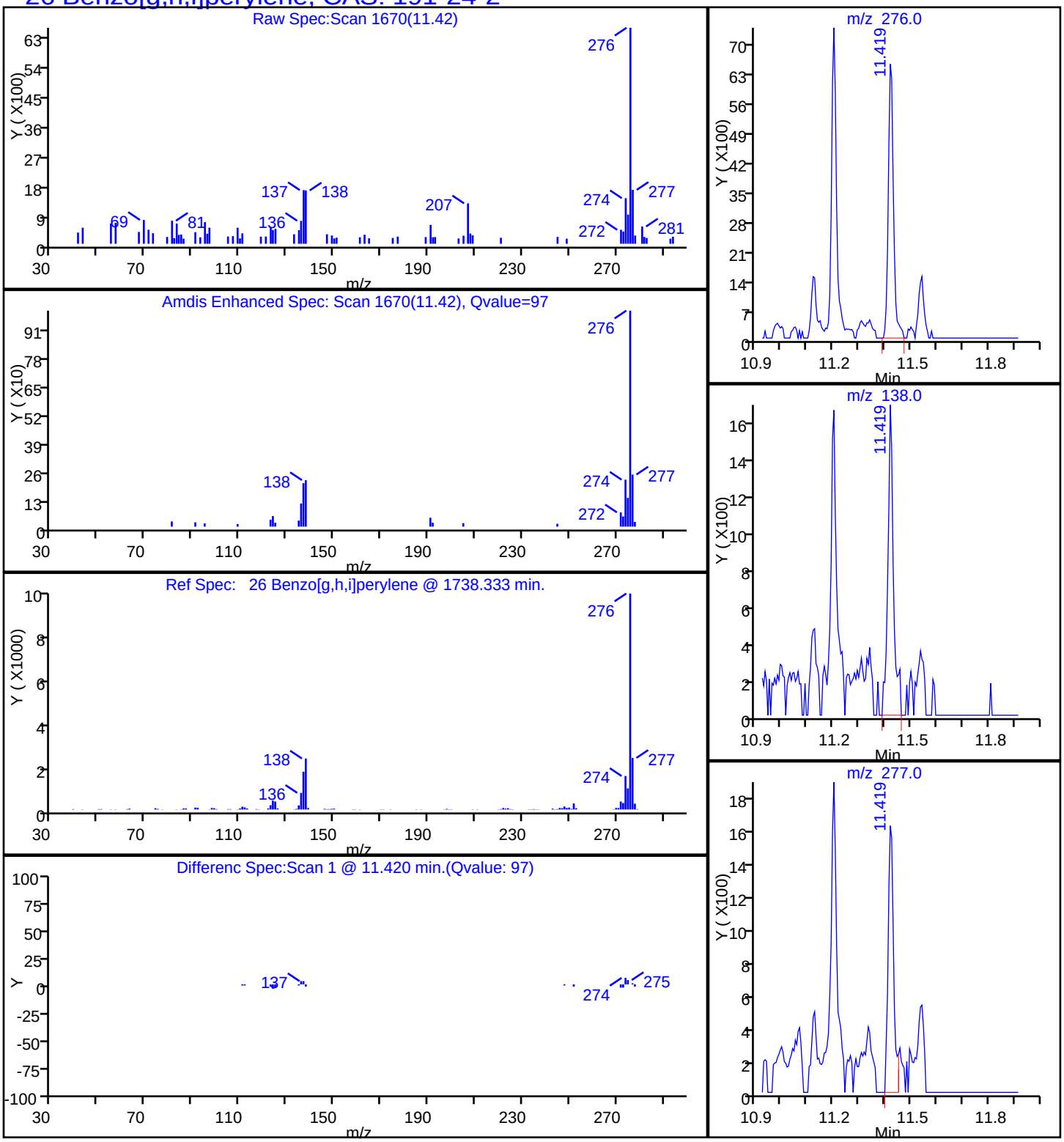


Report Date: 16-Oct-2014 08:47:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

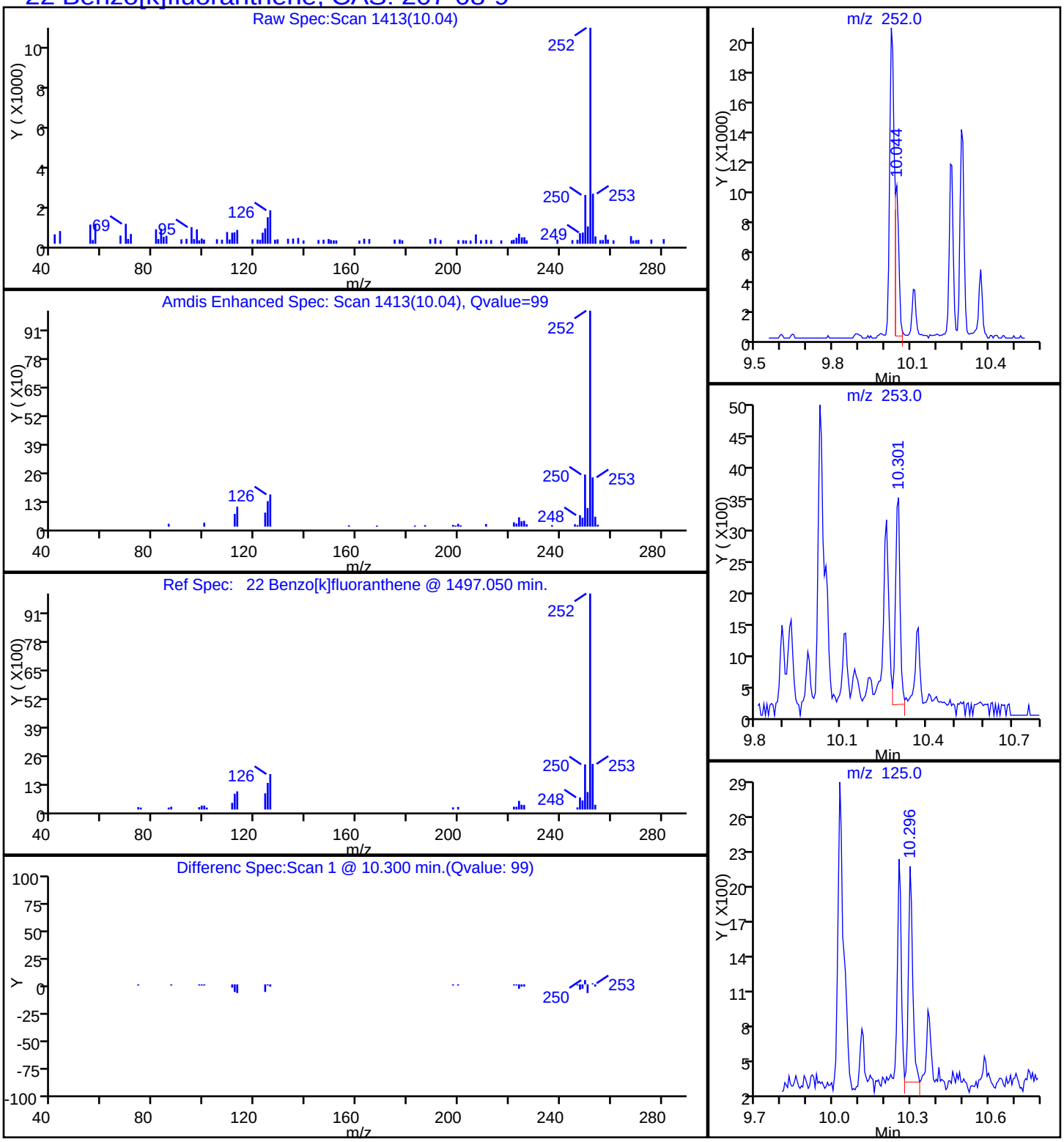


Report Date: 16-Oct-2014 08:47:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

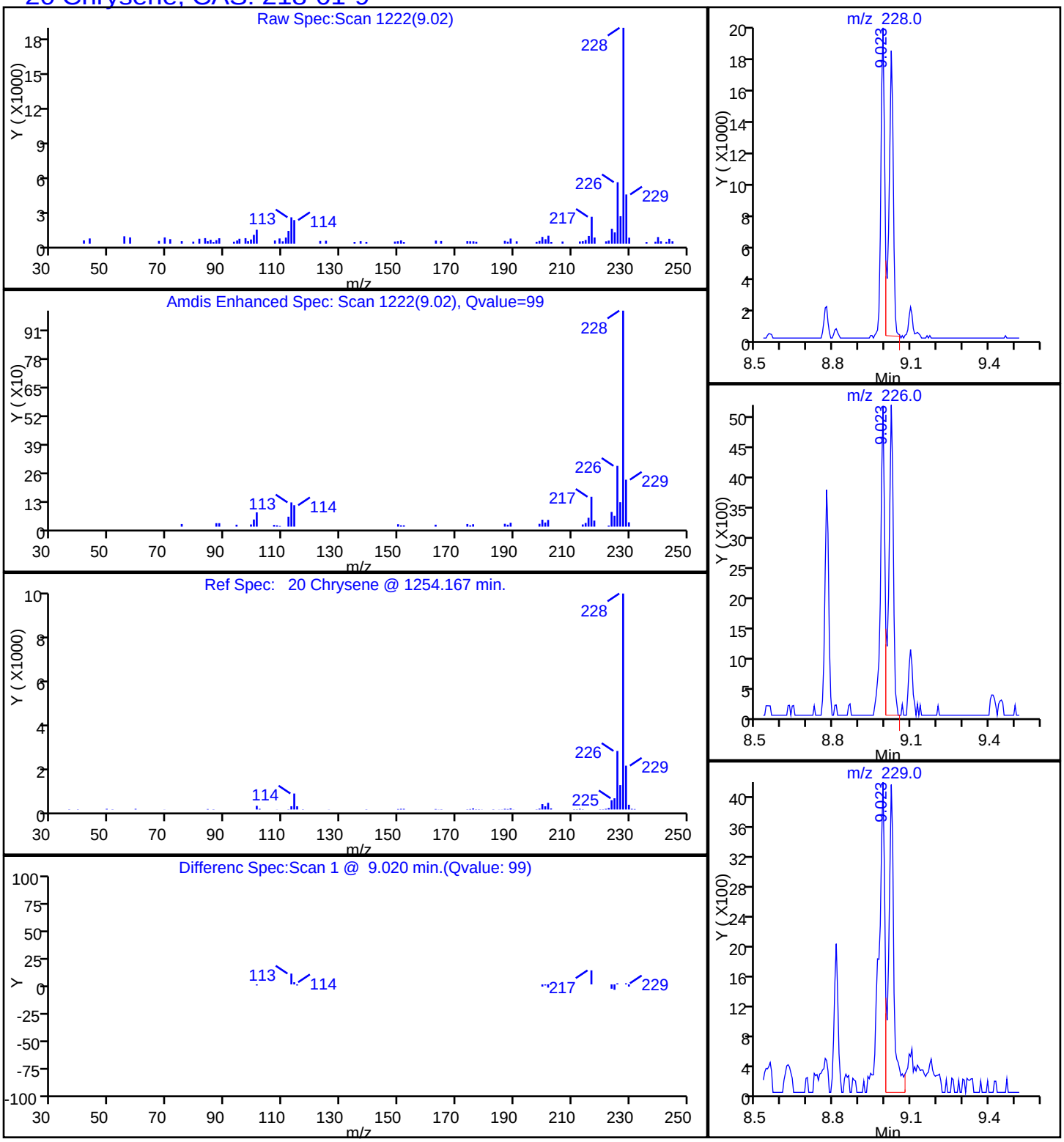


Report Date: 16-Oct-2014 08:47:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

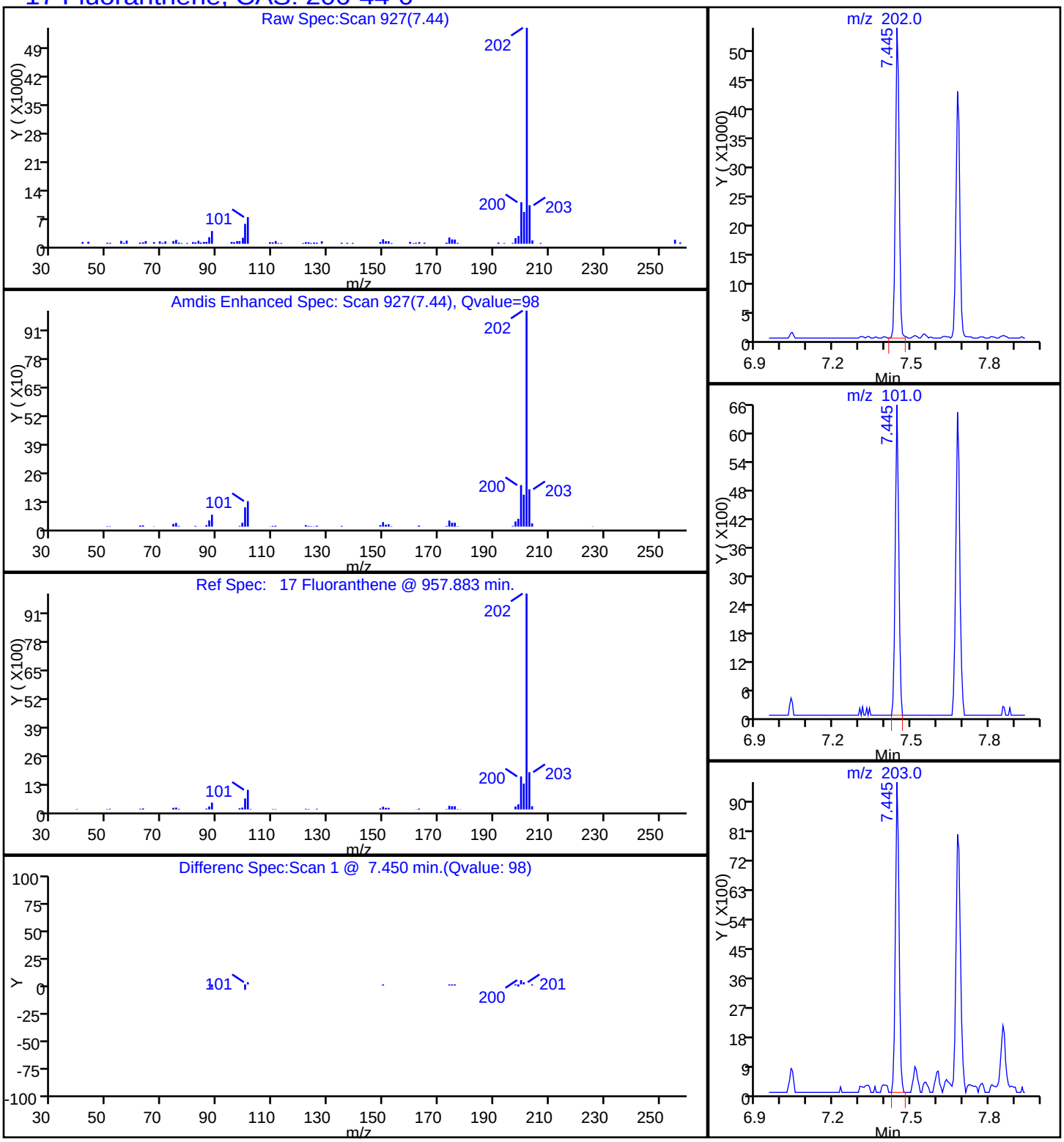


Report Date: 16-Oct-2014 08:47:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

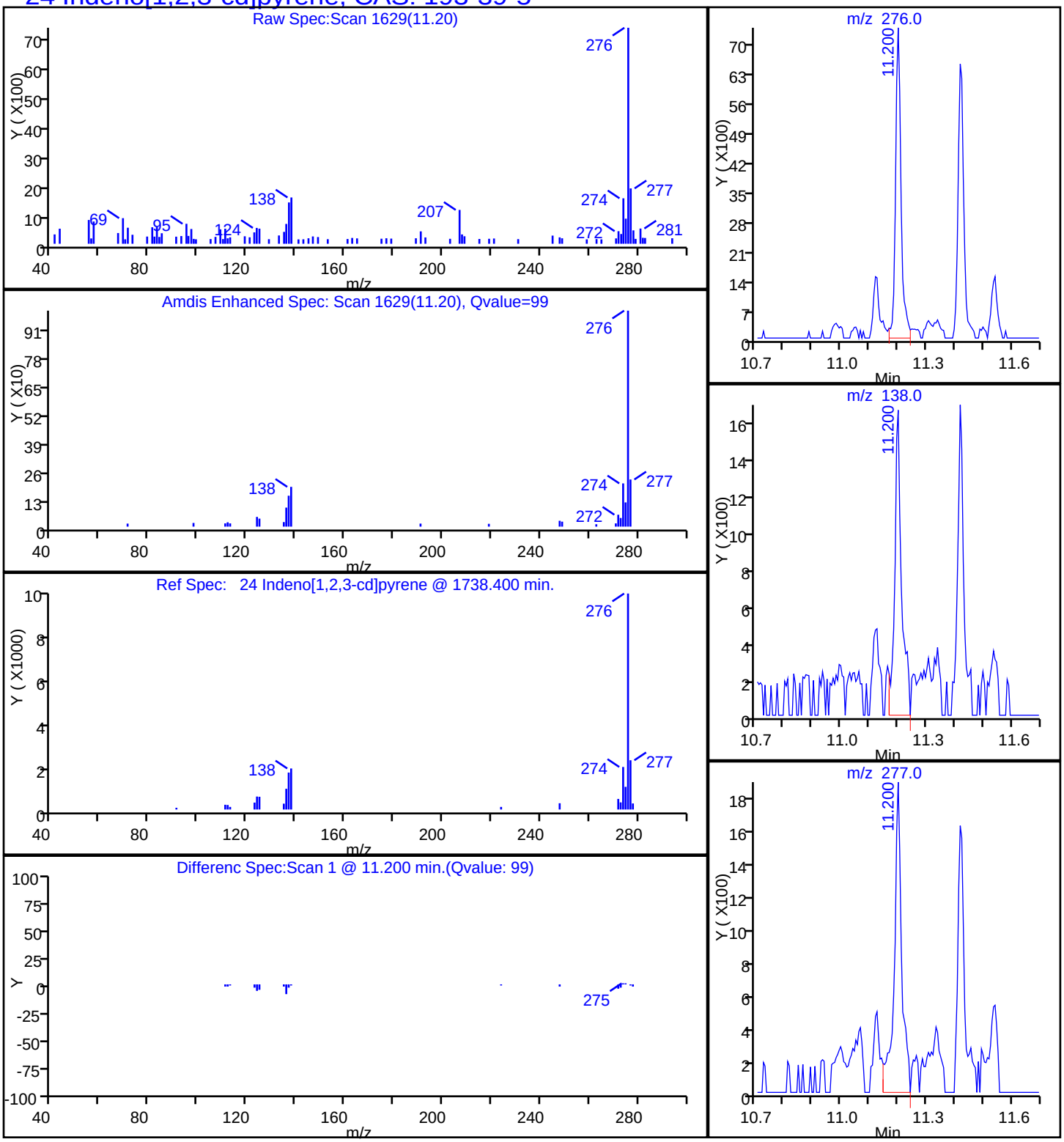


Report Date: 16-Oct-2014 08:47:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

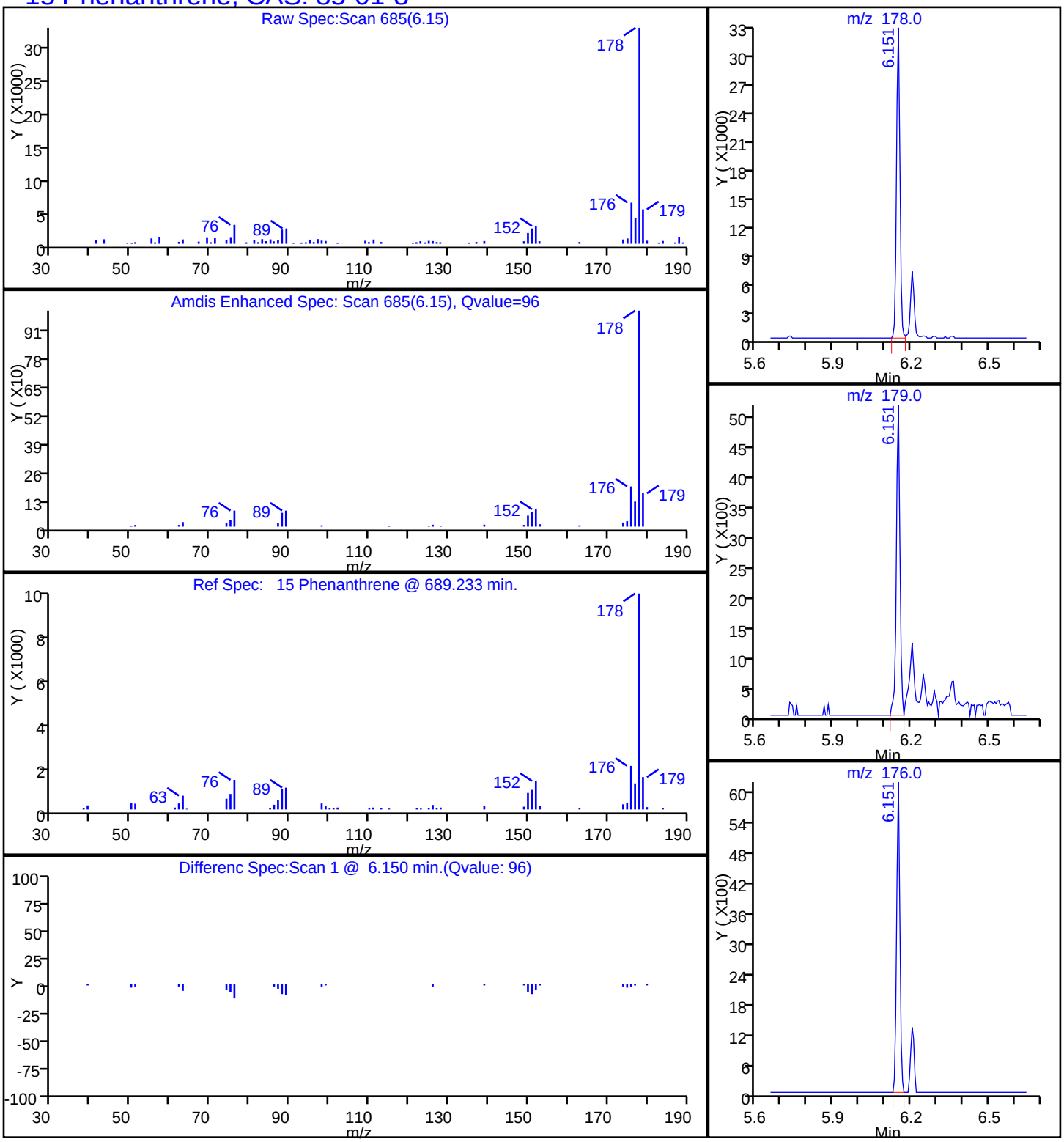


Report Date: 16-Oct-2014 08:47:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

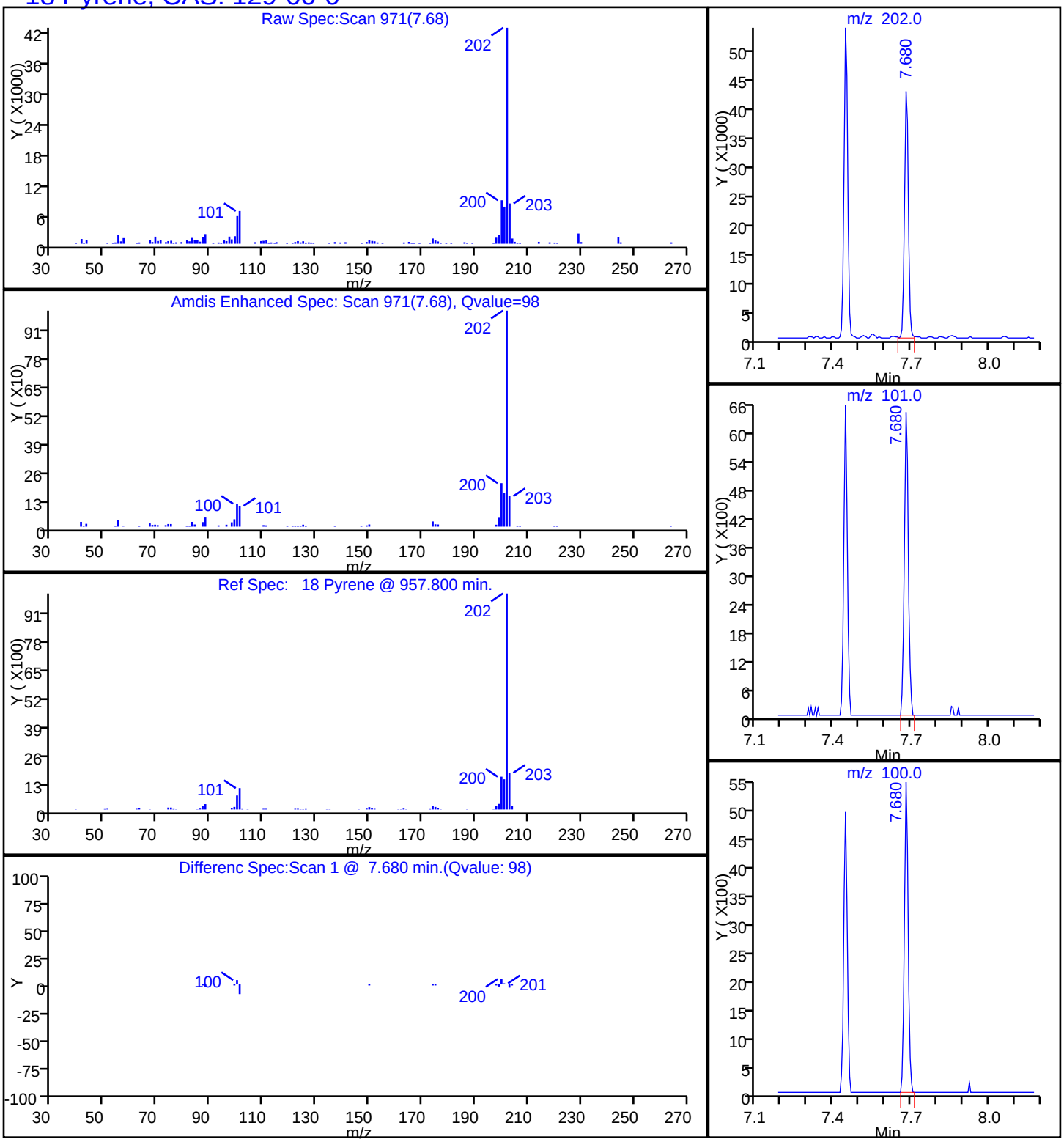


Report Date: 16-Oct-2014 08:47:22 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

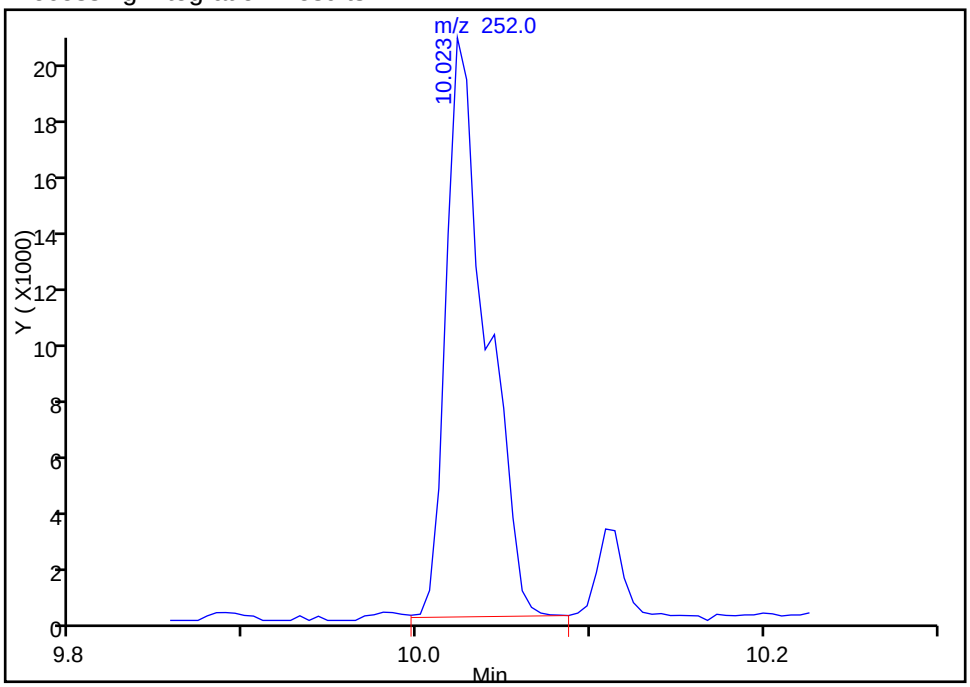
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

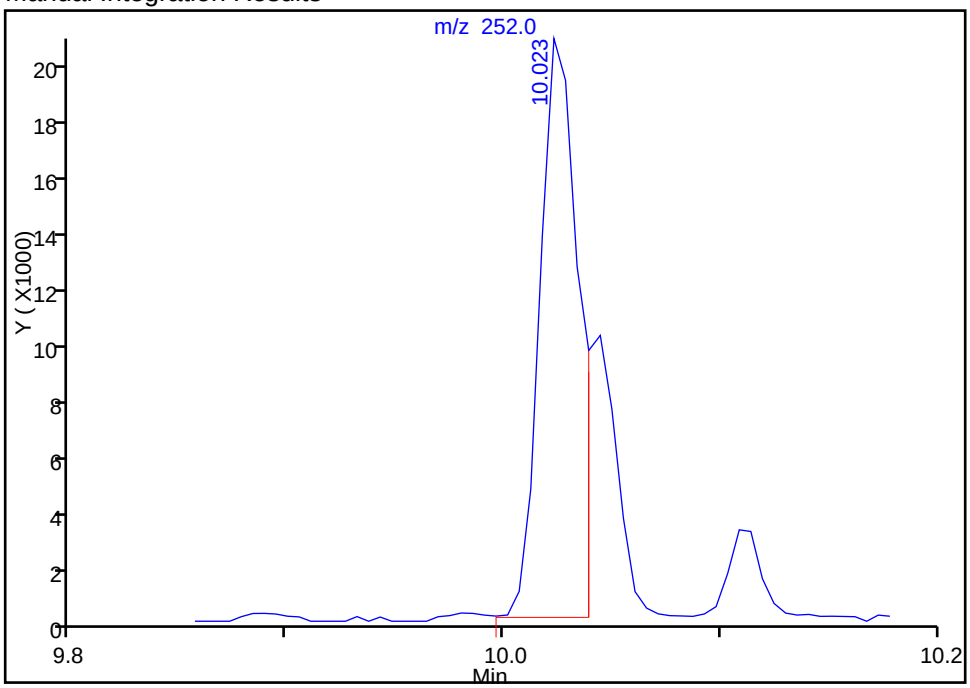
Processing Integration Results

RT: 10.02
Response: 33325
Amount: 0.539623



Manual Integration Results

RT: 10.02
Response: 26083
Amount: 0.422355



Reviewer: webbk, 16-Oct-2014 08:19:17
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

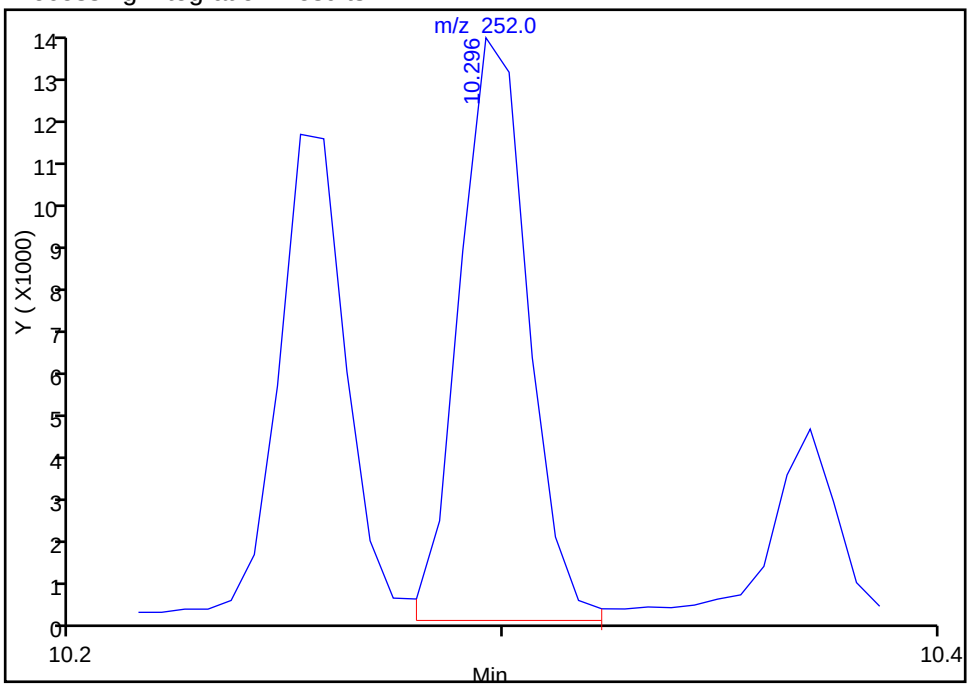
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1521.D				
Injection Date:	15-Oct-2014 20:09:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-11-A	Lab Sample ID:	680-106200-11		
Client ID:	CV0005BB-CS12				
Operator ID:	RM	ALS Bottle#:	19	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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: 10.30
Response: 15406
Amount: 0.256822



Manual Integration Results

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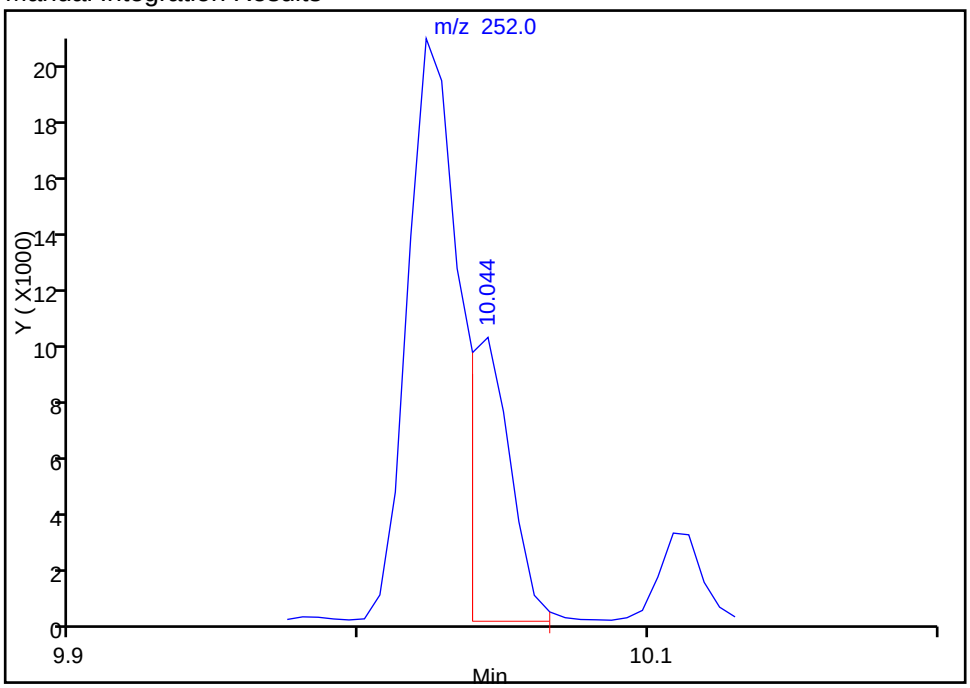
Response: 10218
Amount: 0.170274



Reviewer: webbk, 16-Oct-2014 08:19:17
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005BB-CS18 | Lab Sample ID: 680-106200-12

Matrix: Solid | Lab File ID: 2YJ1522.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 12:50

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

Sample wt/vol: 30.08(g) | Date Analyzed: 10/15/2014 20:31

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

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

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

Analysis Batch No.: 353689 | 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	77	U	77	38
56-55-3	Benzo[a]anthracene	75	J	77	38
50-32-8	Benzo[a]pyrene	86		77	14
205-99-2	Benzo[b]fluoranthene	120		77	38
191-24-2	Benzo[g,h,i]perylene	75	J	77	38
207-08-9	Benzo[k]fluoranthene	50	J	77	23
218-01-9	Chrysene	110		77	38
53-70-3	Dibenz(a,h)anthracene	77	U	77	38
206-44-0	Fluoranthene	120		77	38
86-73-7	Fluorene	77	U	77	38
193-39-5	Indeno[1,2,3-cd]pyrene	49	J	77	38
90-12-0	1-Methylnaphthalene	77	U	77	36
91-57-6	2-Methylnaphthalene	77	U	77	38
91-20-3	Naphthalene	77	U	77	38
85-01-8	Phenanthrene	58	J	77	28
129-00-0	Pyrene	120		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\20141015-13789.b\2YJ1522.D				
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12		
Client ID:	CV0005BB-CS18				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 20:31:30	ALS Bottle#:	20	Worklist Smp#:	22
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Sample Info:	106200-A-12-A 1:10				
Misc. Info.:	680-0013789-022				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:20:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.856	2.856	0.000	98	141836	2.00	
* 2 Acenaphthene-d10	164	4.552	4.546	0.006	91	80754	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	136129	2.00	
* 4 Chrysene-d12	240	8.996	8.996	0.000	99	120710	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	99985	2.00	
9 1-Methylnaphthalene	142	3.610	3.605	0.005	90	2585	0.0543	
15 Phenanthrene	178	6.151	6.151	0.000	96	12434	0.1526	
16 Anthracene	178	6.204	6.204	0.000	55	2209	0.0273	7
17 Fluoranthene	202	7.445	7.445	0.000	98	26331	0.3050	
18 Pyrene	202	7.680	7.680	0.000	98	24888	0.3149	
19 Benzo[a]anthracene	228	8.991	8.991	0.000	97	13795	0.1954	
20 Chrysene	228	9.023	9.023	0.000	99	19525	0.2899	
21 Benzo[b]fluoranthene	252	10.023	10.023	0.000	98	21472	0.3265	
22 Benzo[k]fluoranthene	252	10.045	10.050	-0.005	99	8387	0.1312	M
23 Benzo[a]pyrene	252	10.296	10.296	0.000	97	12099	0.2237	
24 Indeno[1,2,3-cd]pyrene	276	11.200	11.200	0.000	99	8454	0.1276	
25 Dibenz(a,h)anthracene	278	11.227	11.227	0.000	31	3251	0.0688	7
26 Benzo[g,h,i]perylene	276	11.425	11.424	0.000	98	9662	0.1960	

QC Flag Legend

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

Reagents:

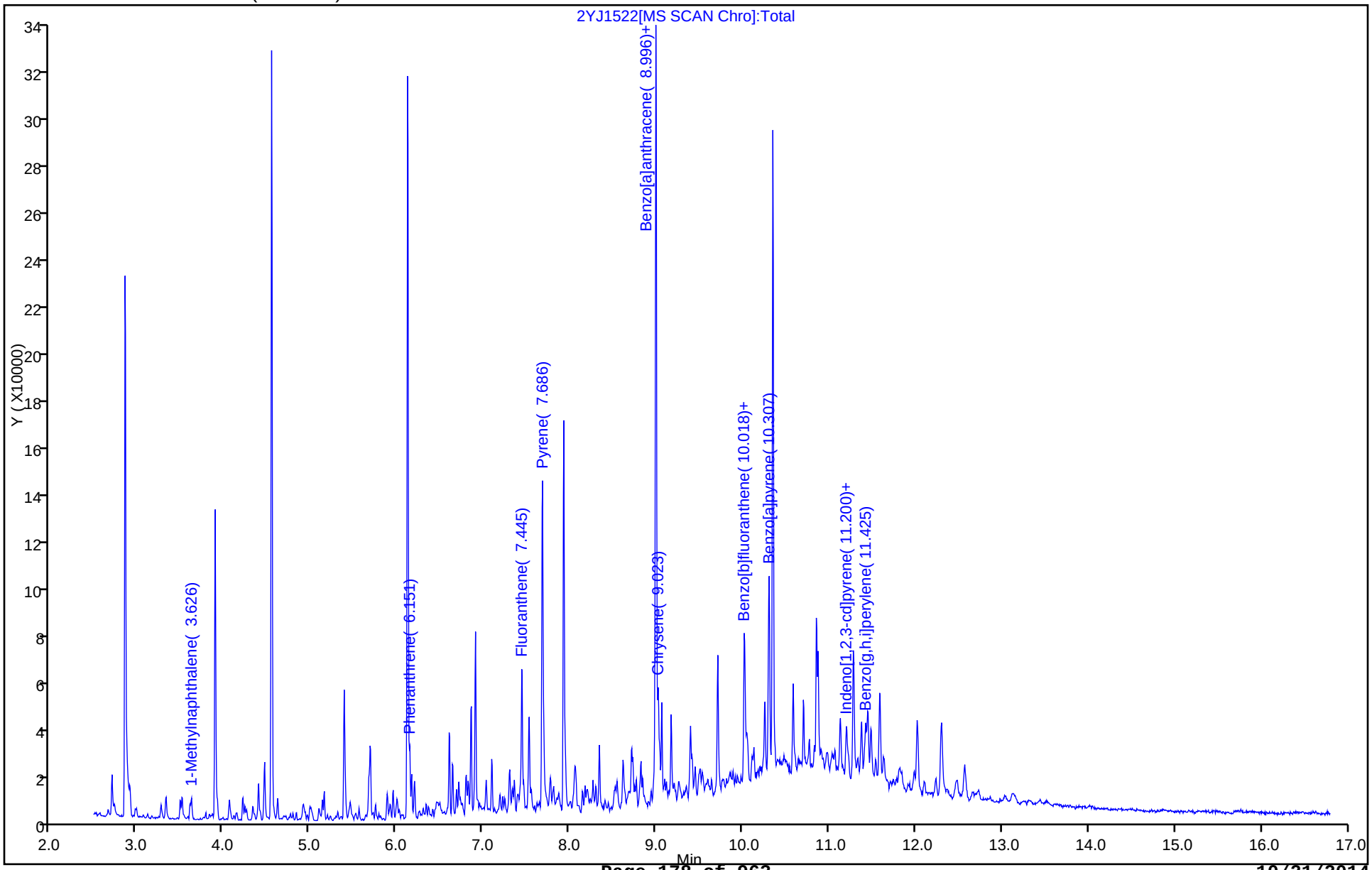
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1522.D				
Injection Date:	15-Oct-2014 20:31:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12	Worklist Smp#:	22
Client ID:	CV0005BB-CS18				
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)

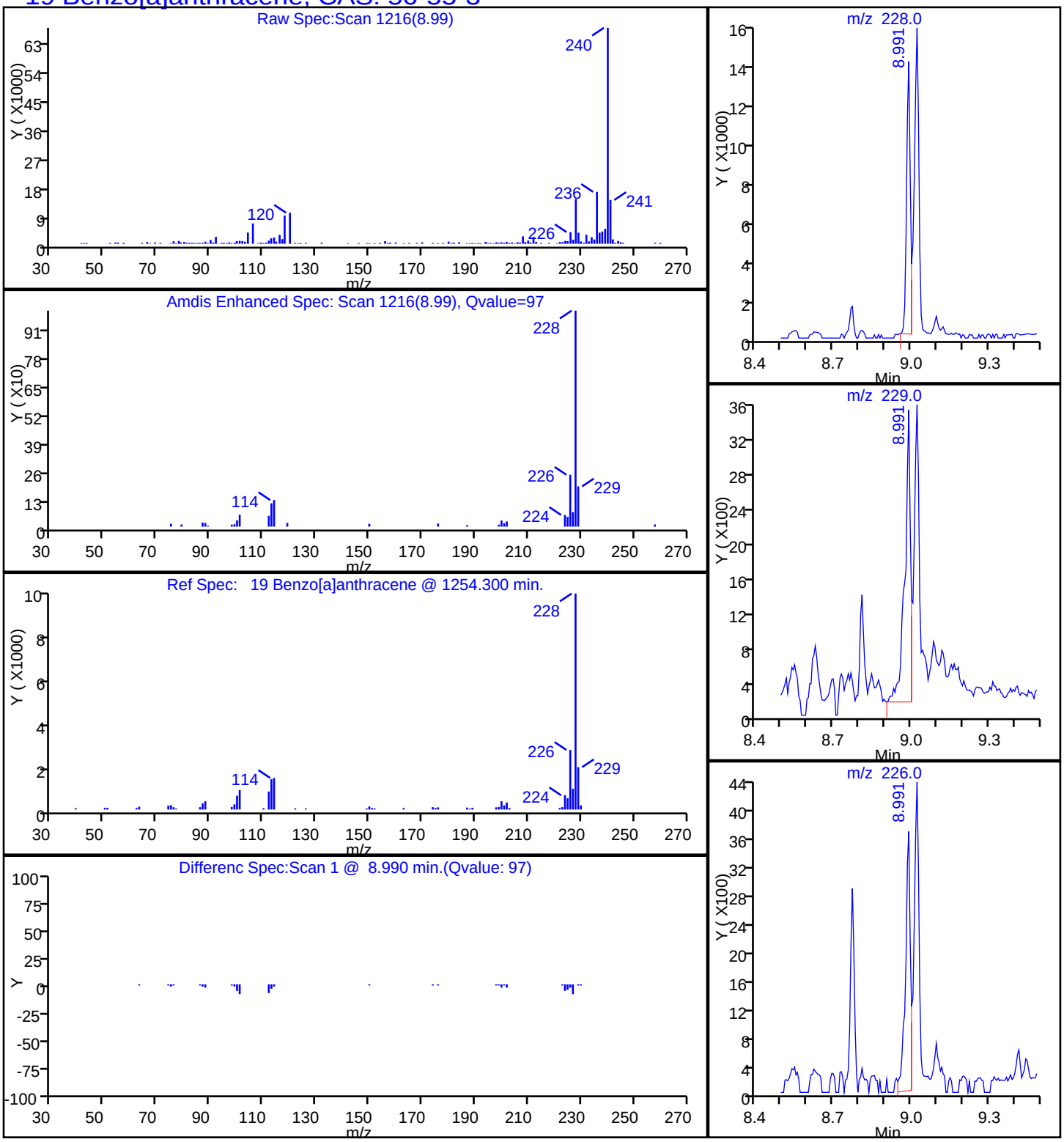


Report Date: 16-Oct-2014 08:47:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1522.D				
Injection Date:	15-Oct-2014 20:31:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12		
Client ID:	CV0005BB-CS18				
Operator ID:	RM	ALS Bottle#:	20	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

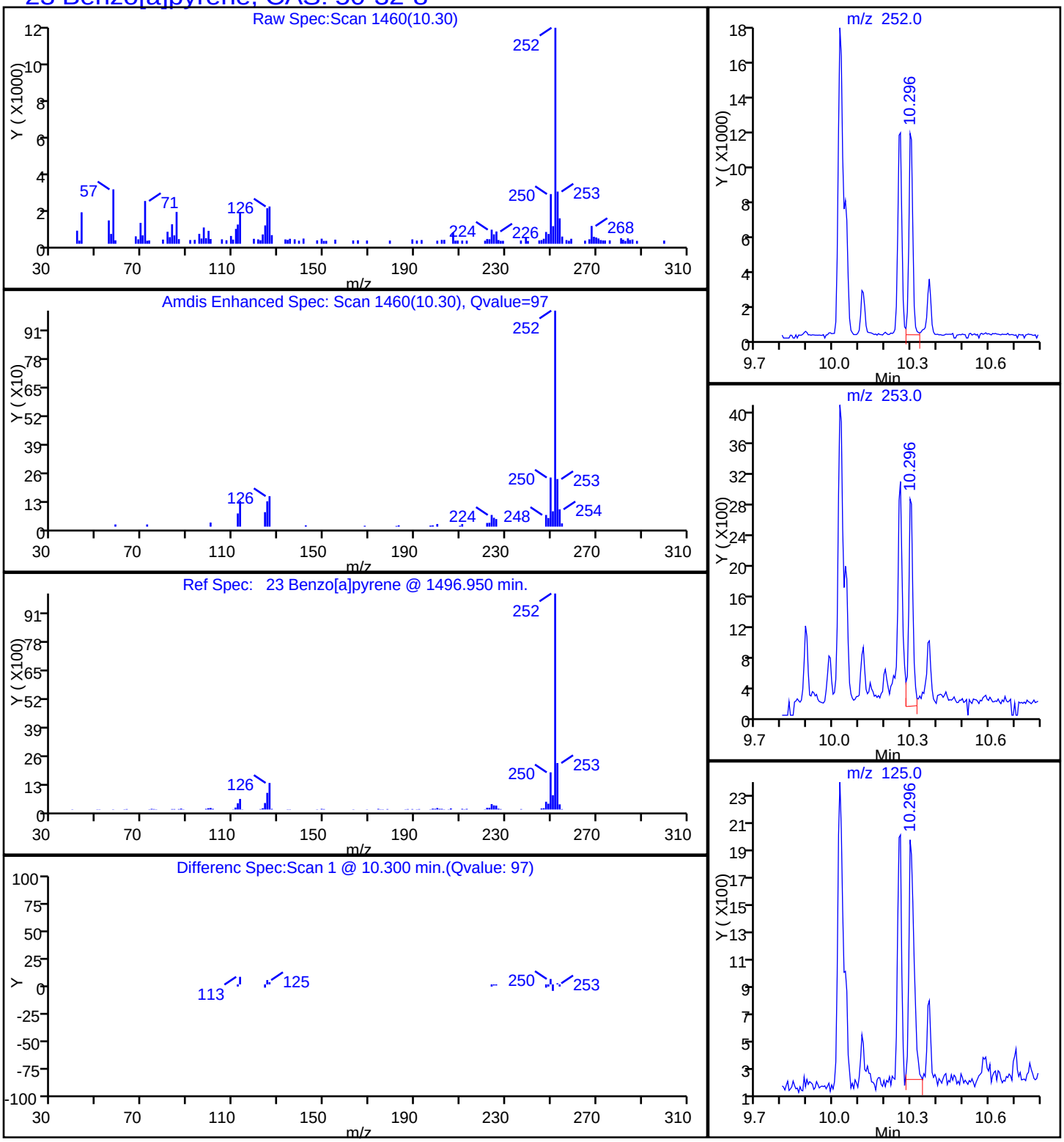


Report Date: 16-Oct-2014 08:47:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1522.D				
Injection Date:	15-Oct-2014 20:31:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12		
Client ID:	CV0005BB-CS18				
Operator ID:	RM	ALS Bottle#:	20	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

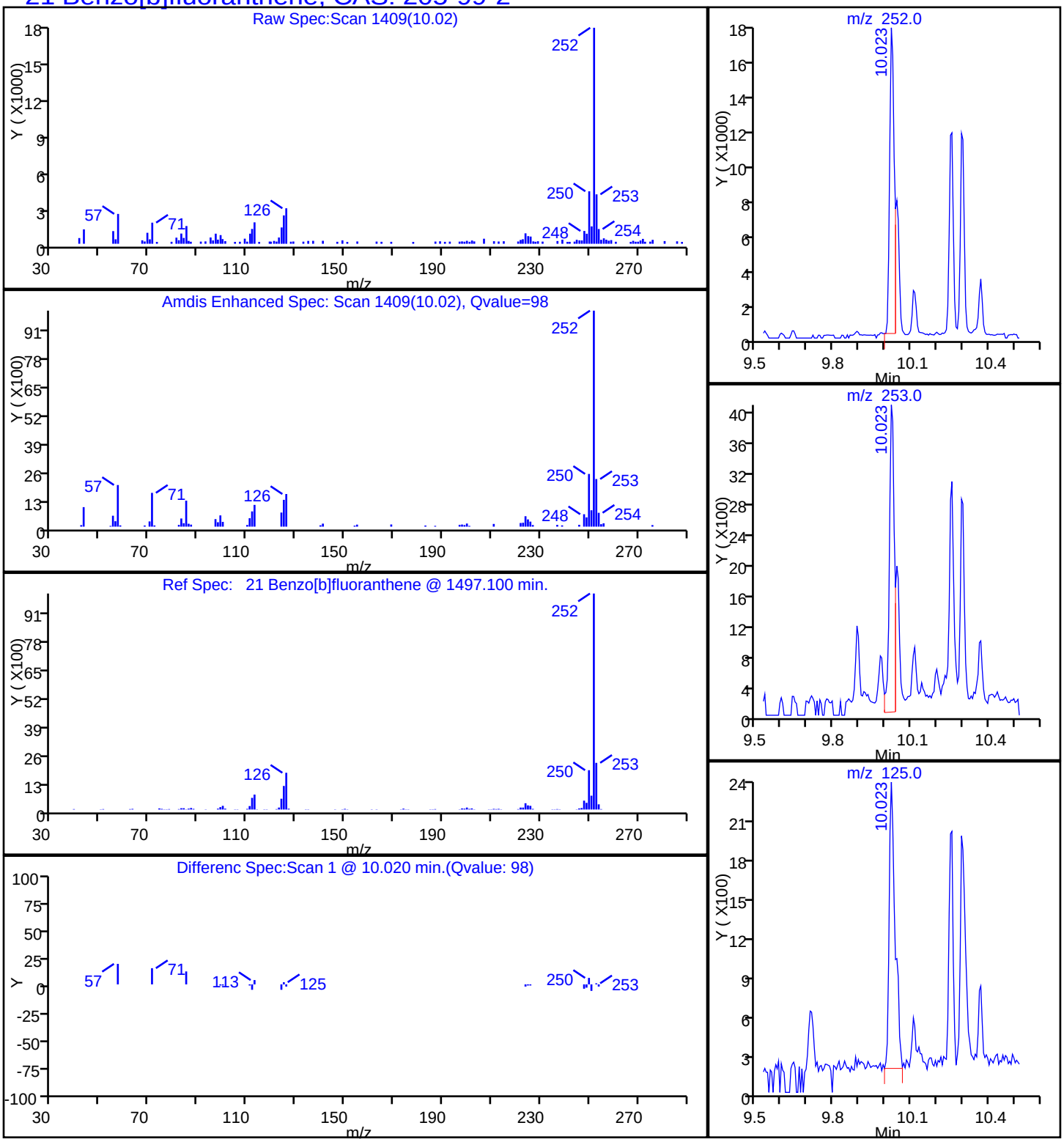


Report Date: 16-Oct-2014 08:47:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1522.D				
Injection Date:	15-Oct-2014 20:31:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12		
Client ID:	CV0005BB-CS18				
Operator ID:	RM	ALS Bottle#:	20	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

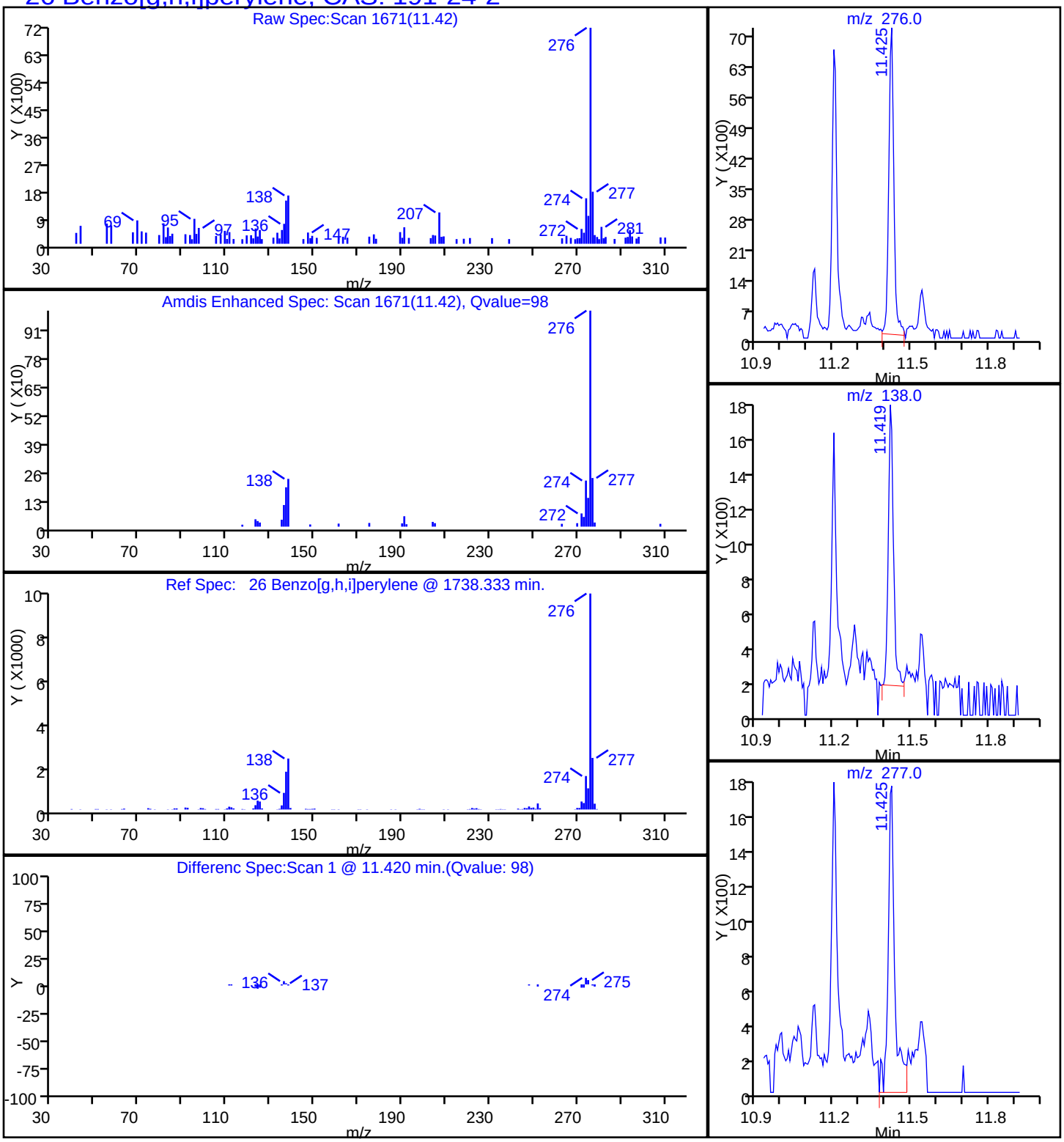


Report Date: 16-Oct-2014 08:47:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1522.D				
Injection Date:	15-Oct-2014 20:31:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12		
Client ID:	CV0005BB-CS18				
Operator ID:	RM	ALS Bottle#:	20	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

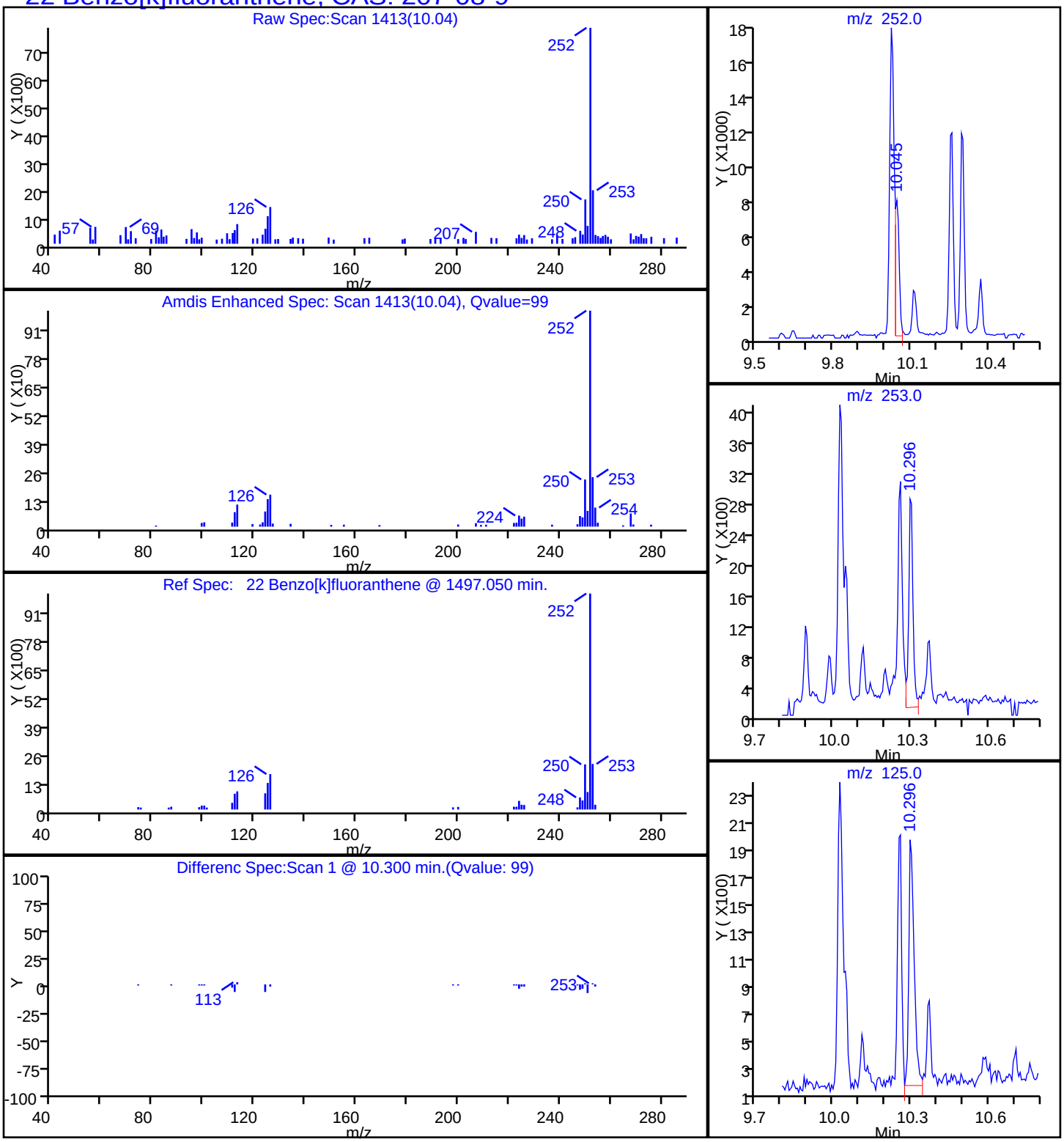


Report Date: 16-Oct-2014 08:47:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1522.D				
Injection Date:	15-Oct-2014 20:31:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12		
Client ID:	CV0005BB-CS18				
Operator ID:	RM	ALS Bottle#:	20	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

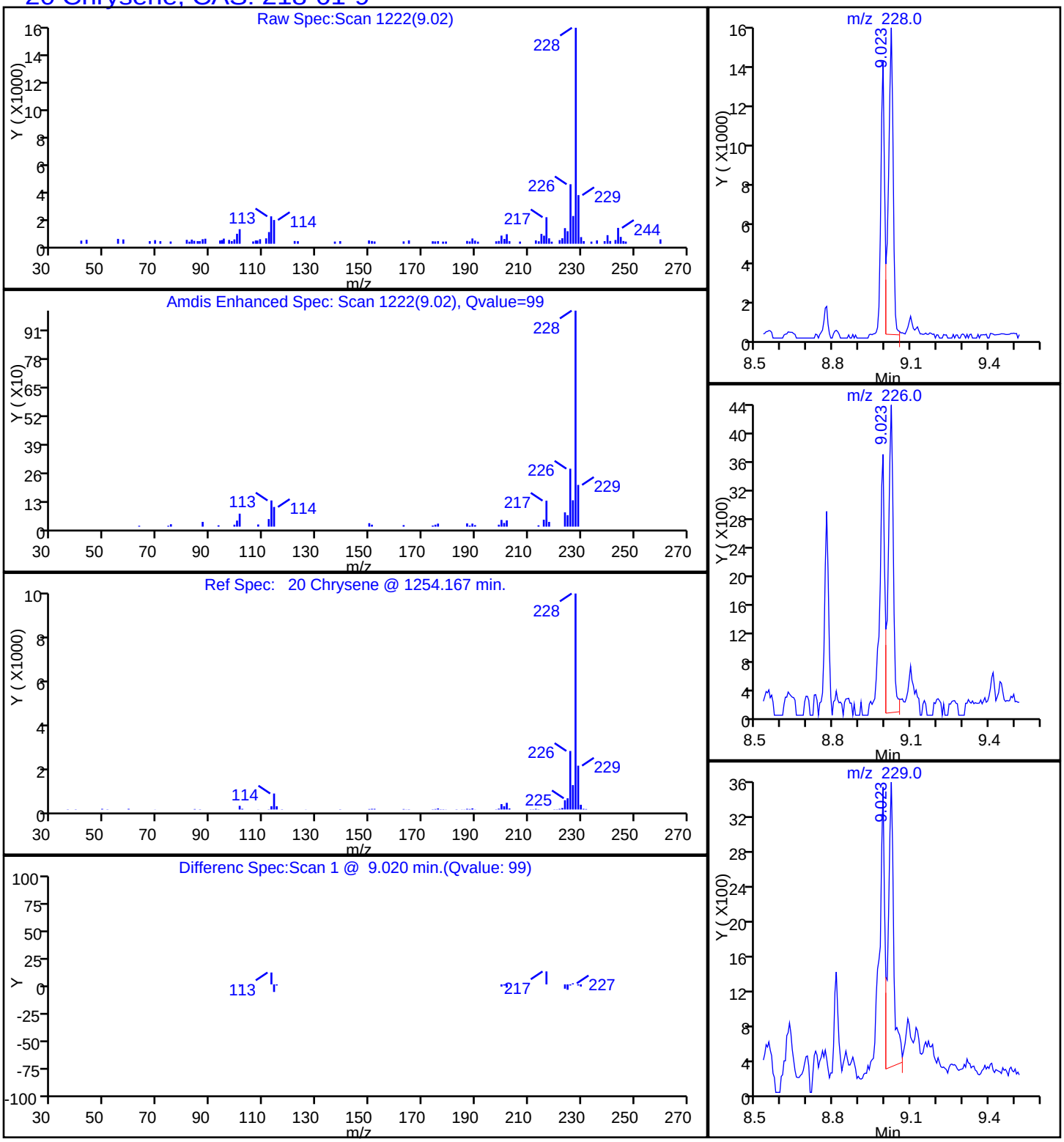


Report Date: 16-Oct-2014 08:47:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1522.D				
Injection Date:	15-Oct-2014 20:31:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12		
Client ID:	CV0005BB-CS18				
Operator ID:	RM	ALS Bottle#:	20	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

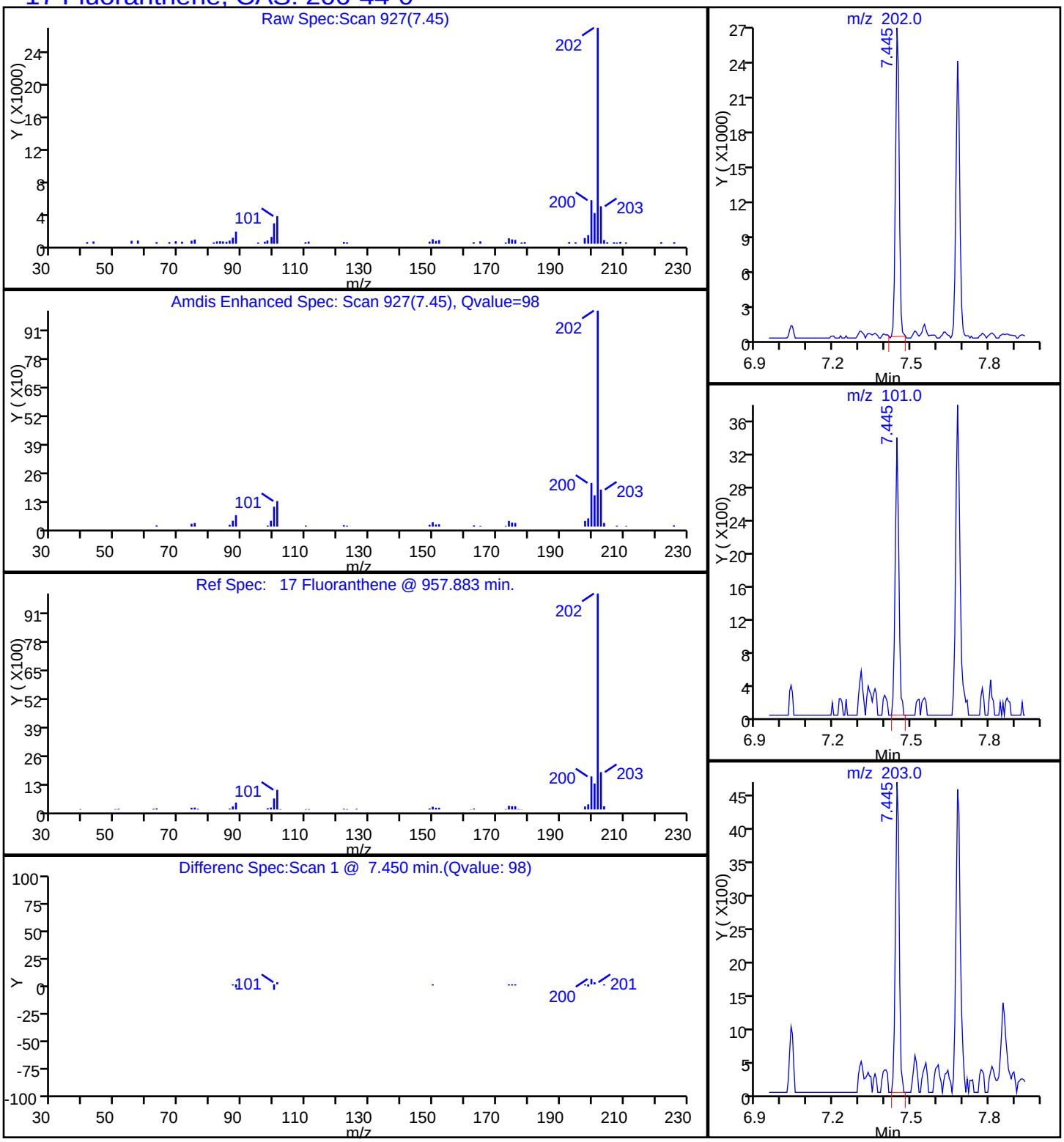


Report Date: 16-Oct-2014 08:47:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1522.D				
Injection Date:	15-Oct-2014 20:31:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12		
Client ID:	CV0005BB-CS18				
Operator ID:	RM	ALS Bottle#:	20	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

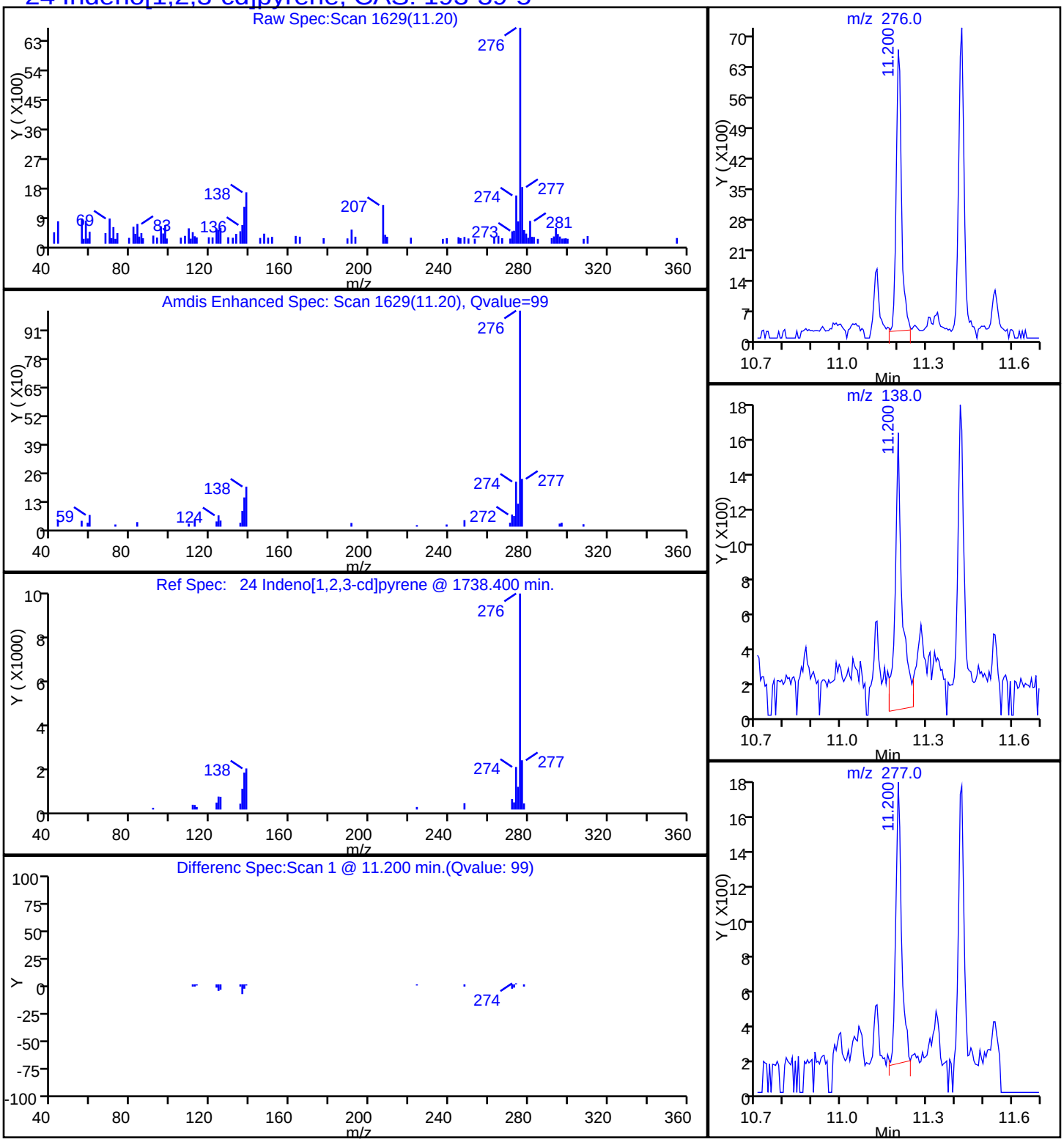


Report Date: 16-Oct-2014 08:47:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1522.D				
Injection Date:	15-Oct-2014 20:31:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12		
Client ID:	CV0005BB-CS18				
Operator ID:	RM	ALS Bottle#:	20	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

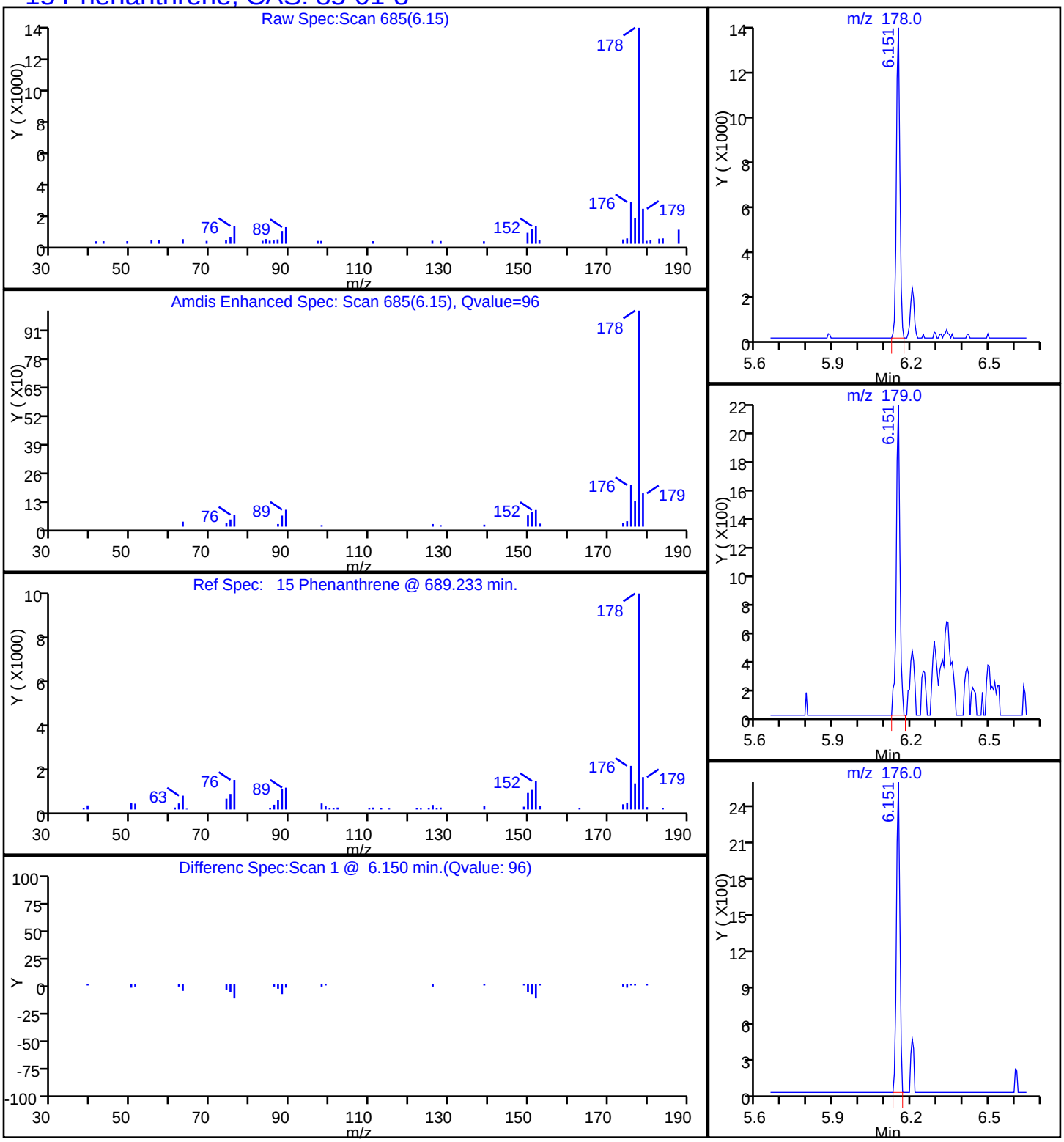


Report Date: 16-Oct-2014 08:47:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1522.D				
Injection Date:	15-Oct-2014 20:31:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12		
Client ID:	CV0005BB-CS18				
Operator ID:	RM	ALS Bottle#:	20	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

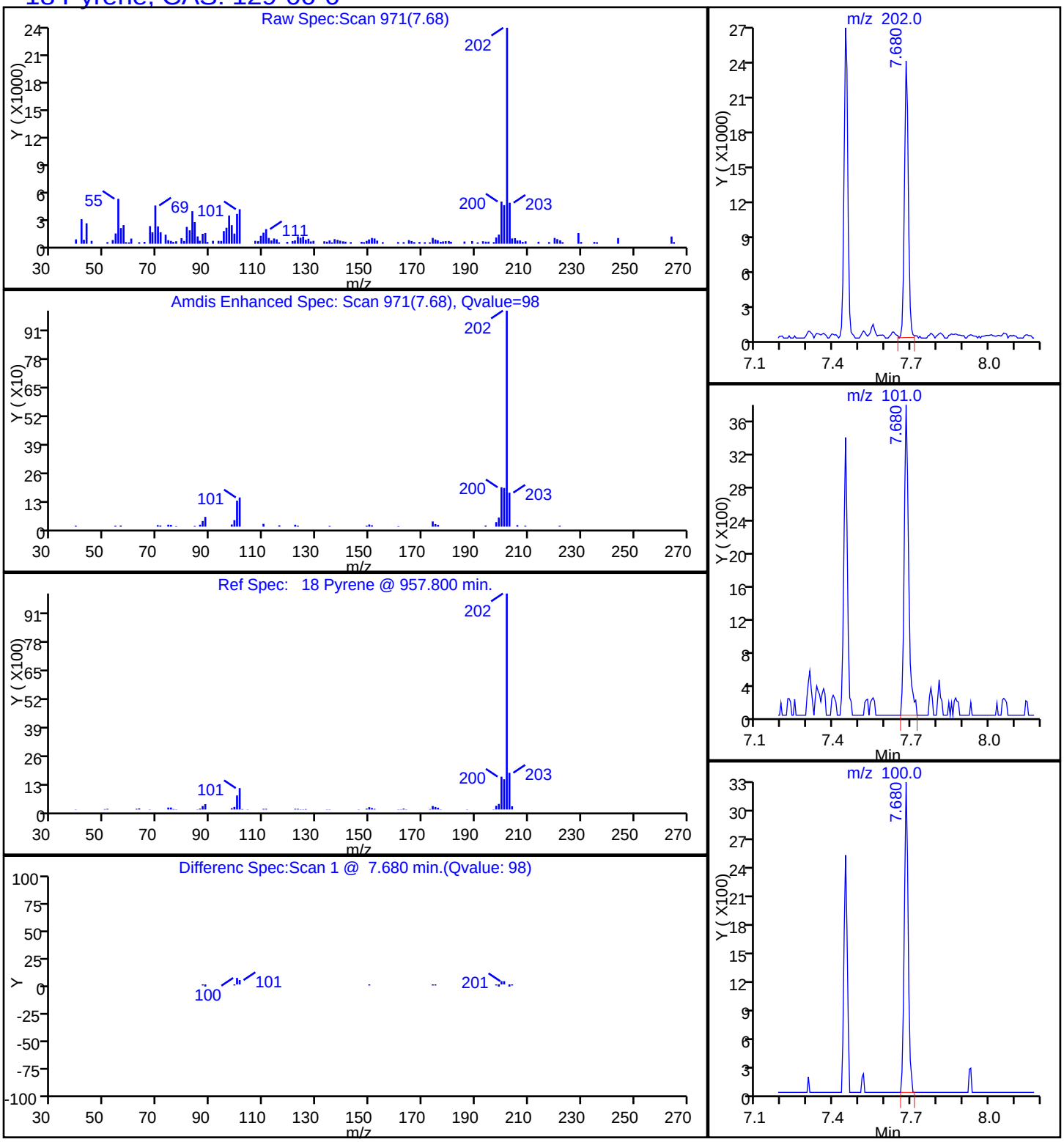


Report Date: 16-Oct-2014 08:47:23 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1522.D				
Injection Date:	15-Oct-2014 20:31:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12		
Client ID:	CV0005BB-CS18				
Operator ID:	RM	ALS Bottle#:	20	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

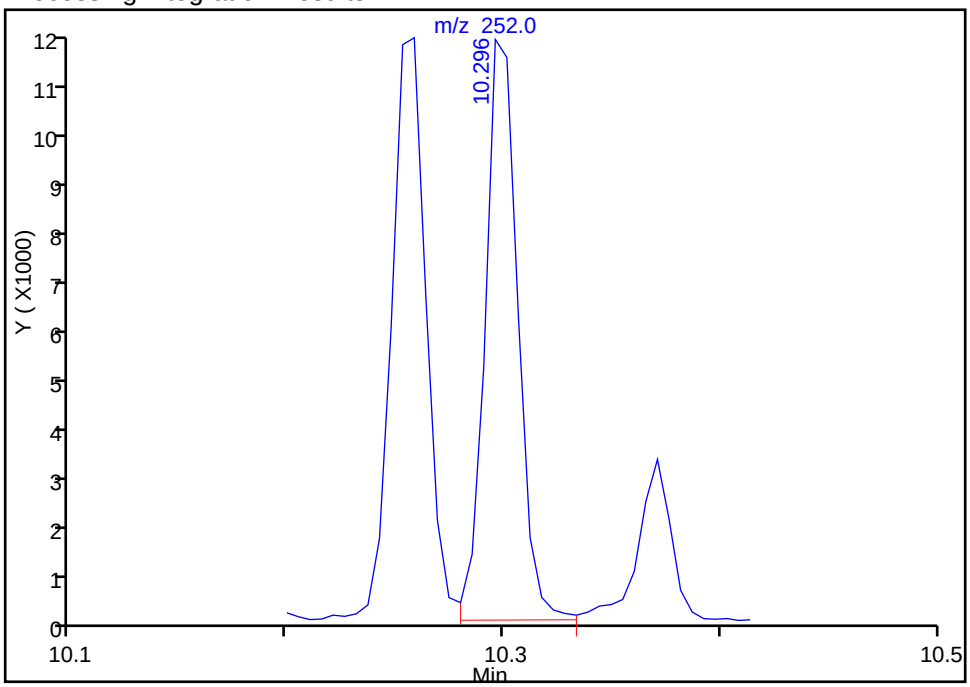
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1522.D				
Injection Date:	15-Oct-2014 20:31:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-12-A	Lab Sample ID:	680-106200-12		
Client ID:	CV0005BB-CS18				
Operator ID:	RM	ALS Bottle#:	20	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

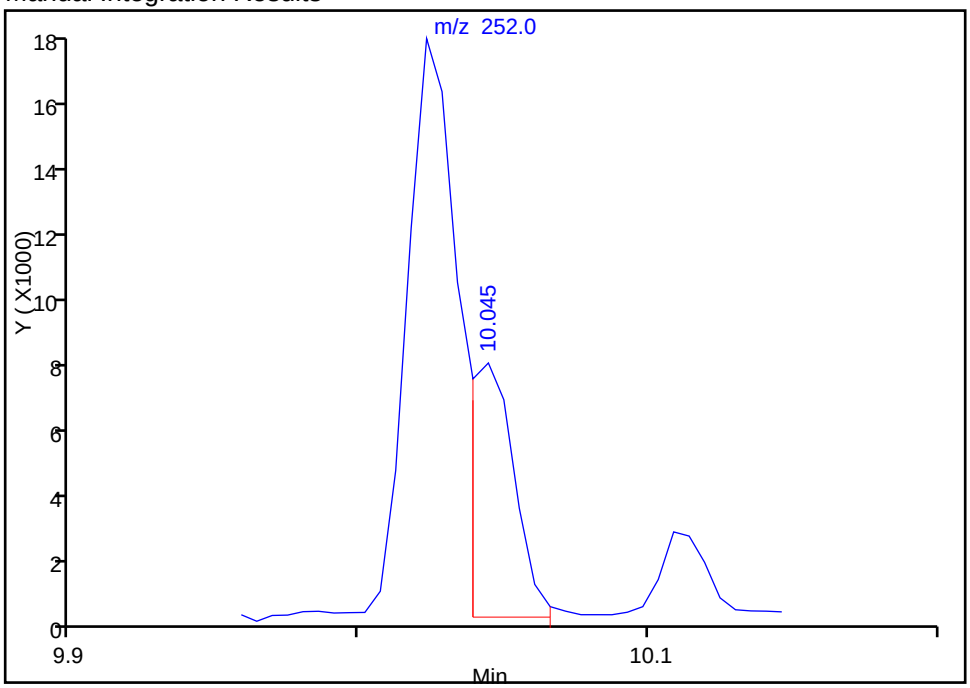
Processing Integration Results

RT: 10.30
Response: 12085
Amount: 0.189137



Manual Integration Results

RT: 10.04
Response: 8387
Amount: 0.131229



Reviewer: webbk, 16-Oct-2014 08:20:32
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005BB-CS24 | Lab Sample ID: 680-106200-13

Matrix: Solid | Lab File ID: 2YJ1523.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 13:00

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

Sample wt/vol: 30.11(g) | Date Analyzed: 10/15/2014 20:53

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

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

% Moisture: 10.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	74
208-96-8	Acenaphthylene	150	U	150	74
120-12-7	Anthracene	83	J	150	74
56-55-3	Benzo[a]anthracene	320		150	74
50-32-8	Benzo[a]pyrene	320		150	27
205-99-2	Benzo[b]fluoranthene	430		150	74
191-24-2	Benzo[g,h,i]perylene	210		150	74
207-08-9	Benzo[k]fluoranthene	210		150	45
218-01-9	Chrysene	390		150	74
53-70-3	Dibenz(a,h)anthracene	94	J	150	74
206-44-0	Fluoranthene	590		150	74
86-73-7	Fluorene	150	U	150	74
193-39-5	Indeno[1,2,3-cd]pyrene	150		150	74
90-12-0	1-Methylnaphthalene	150	U	150	69
91-57-6	2-Methylnaphthalene	150	U	150	74
91-20-3	Naphthalene	150	U	150	74
85-01-8	Phenanthrene	370		150	54
129-00-0	Pyrene	570		150	74

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 20:53:30	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	106200-A-13-A 1:20				
Misc. Info.:	680-0013789-023				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:21:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.861	2.856	0.005	98	149305	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	92	85293	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	141665	2.00	
* 4 Chrysene-d12	240	9.001	8.996	0.005	99	117100	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	88204	2.00	
9 1-Methylnaphthalene	142	3.610	3.605	0.005	90	2339	0.0467	
15 Phenanthrene	178	6.151	6.151	0.000	96	41578	0.4904	
16 Anthracene	178	6.204	6.204	0.000	98	9370	0.1111	
17 Fluoranthene	202	7.445	7.445	0.000	98	71612	0.7970	
18 Pyrene	202	7.680	7.680	0.000	97	59017	0.7701	
19 Benzo[a]anthracene	228	8.991	8.991	0.000	97	29593	0.4321	
20 Chrysene	228	9.023	9.023	0.000	99	33738	0.5170	
21 Benzo[b]fluoranthene	252	10.028	10.023	0.005	98	33510	0.5776	
22 Benzo[k]fluoranthene	252	10.044	10.050	-0.006	99	15742	0.2794	M
23 Benzo[a]pyrene	252	10.301	10.296	0.005	97	20750	0.4349	
24 Indeno[1,2,3-cd]pyrene	276	11.205	11.200	0.005	99	13202	0.2054	
25 Dibenz(a,h)anthracene	278	11.226	11.227	-0.001	96	5268	0.1264	
26 Benzo[g,h,i]perylene	276	11.424	11.424	0.000	98	12189	0.2803	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

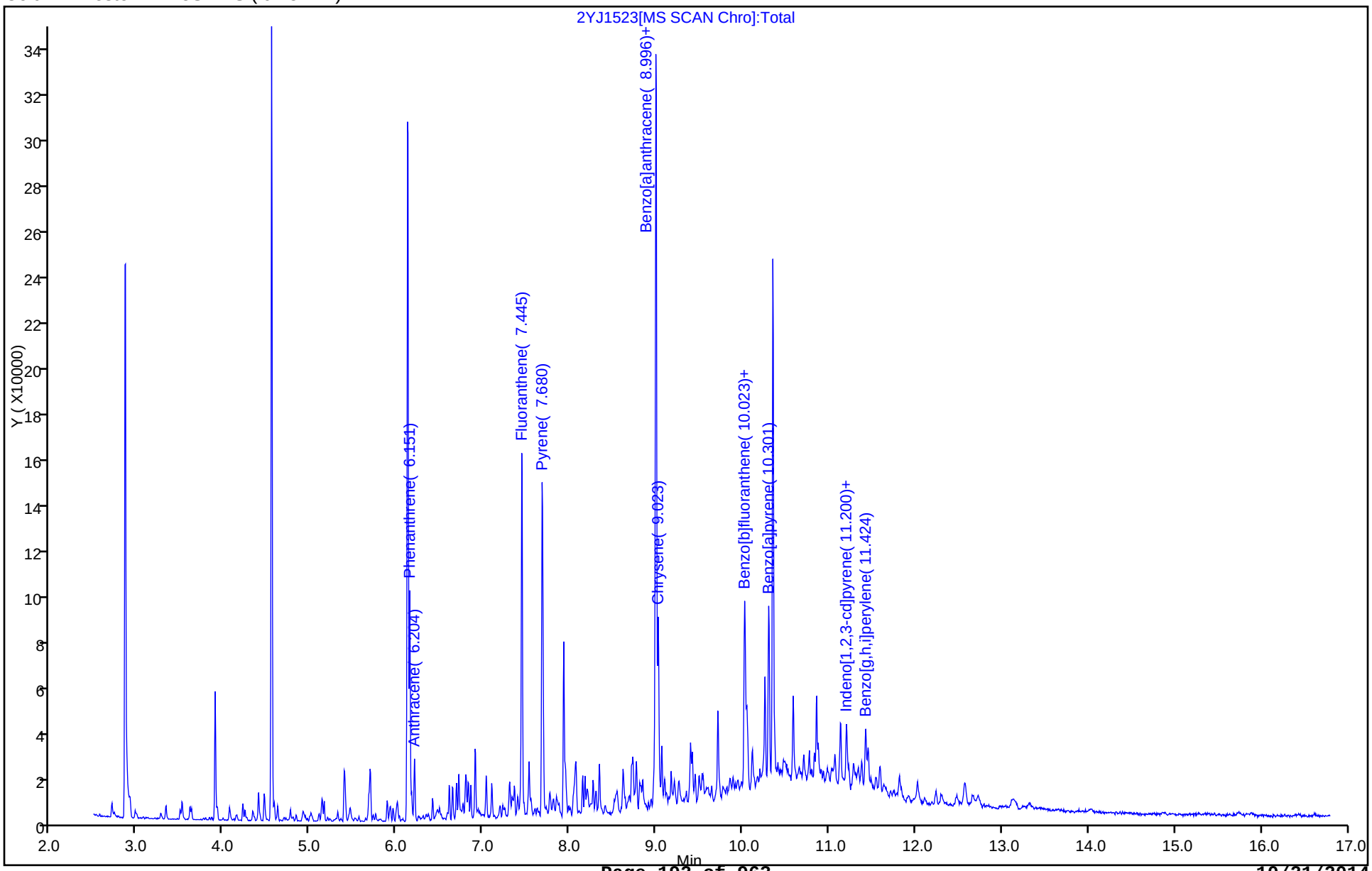
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13	Worklist Smp#:	23
Client ID:	CV0005BB-CS24				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	21
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

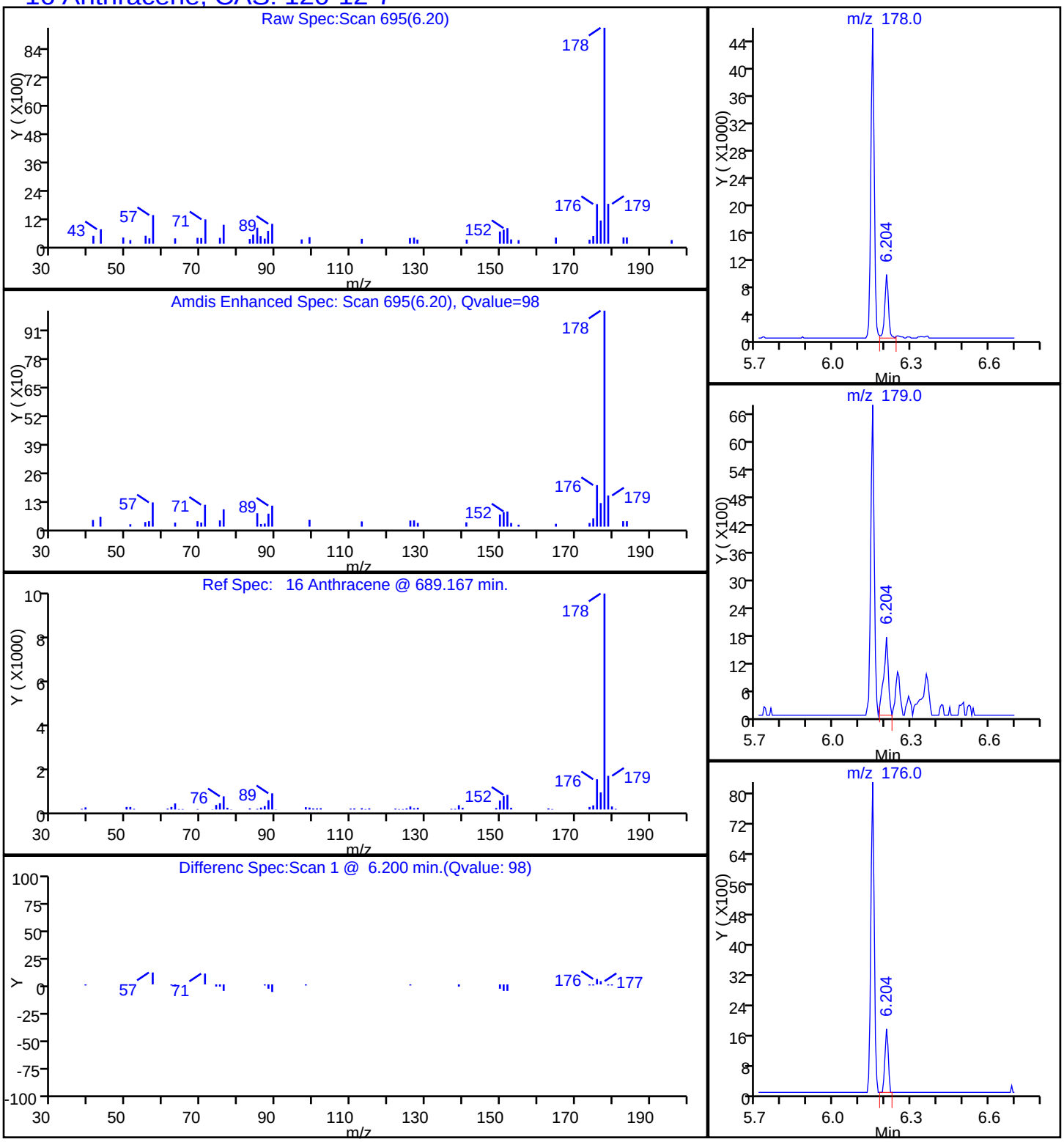


Report Date: 16-Oct-2014 08:47:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

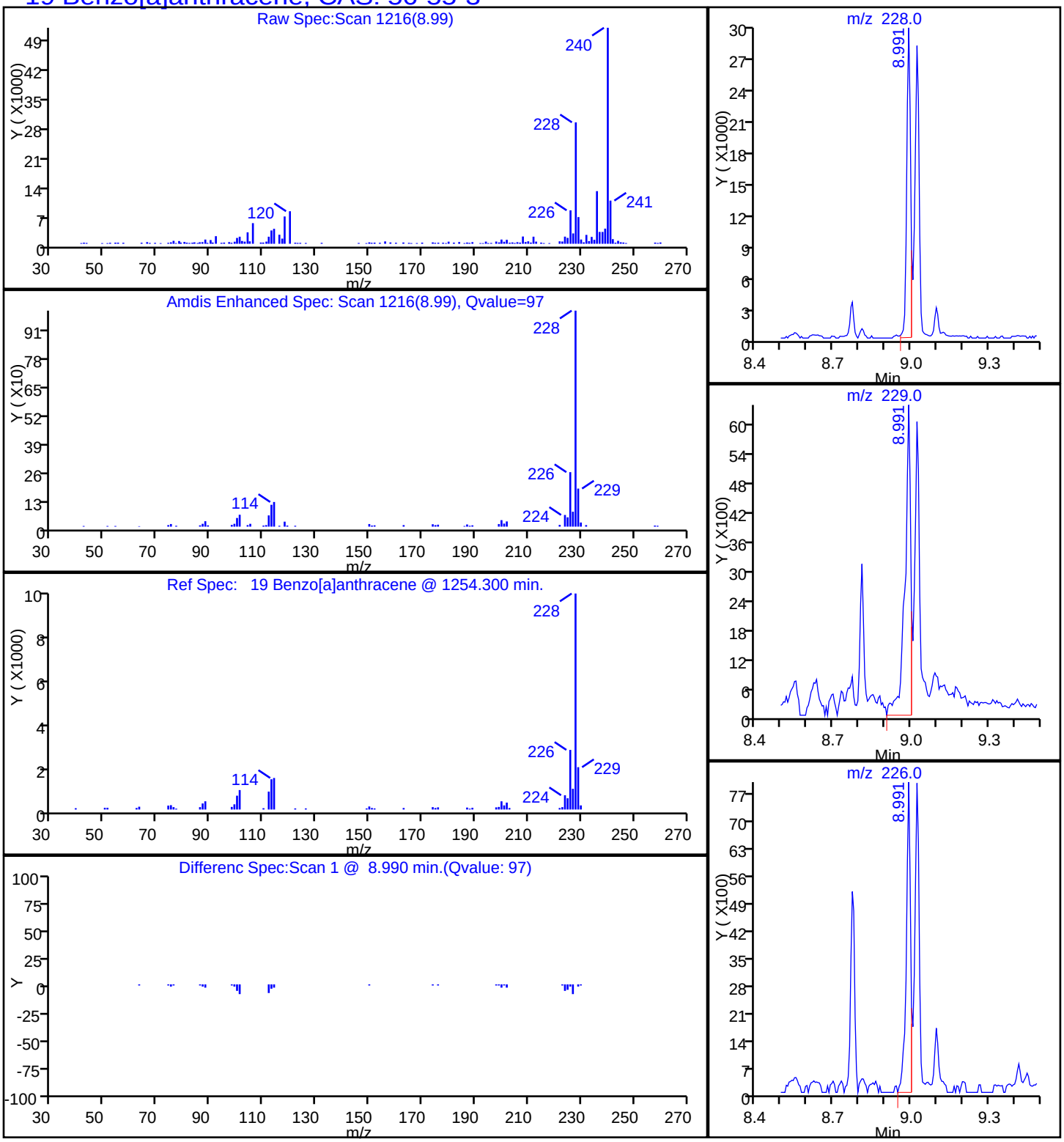


Report Date: 16-Oct-2014 08:47:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

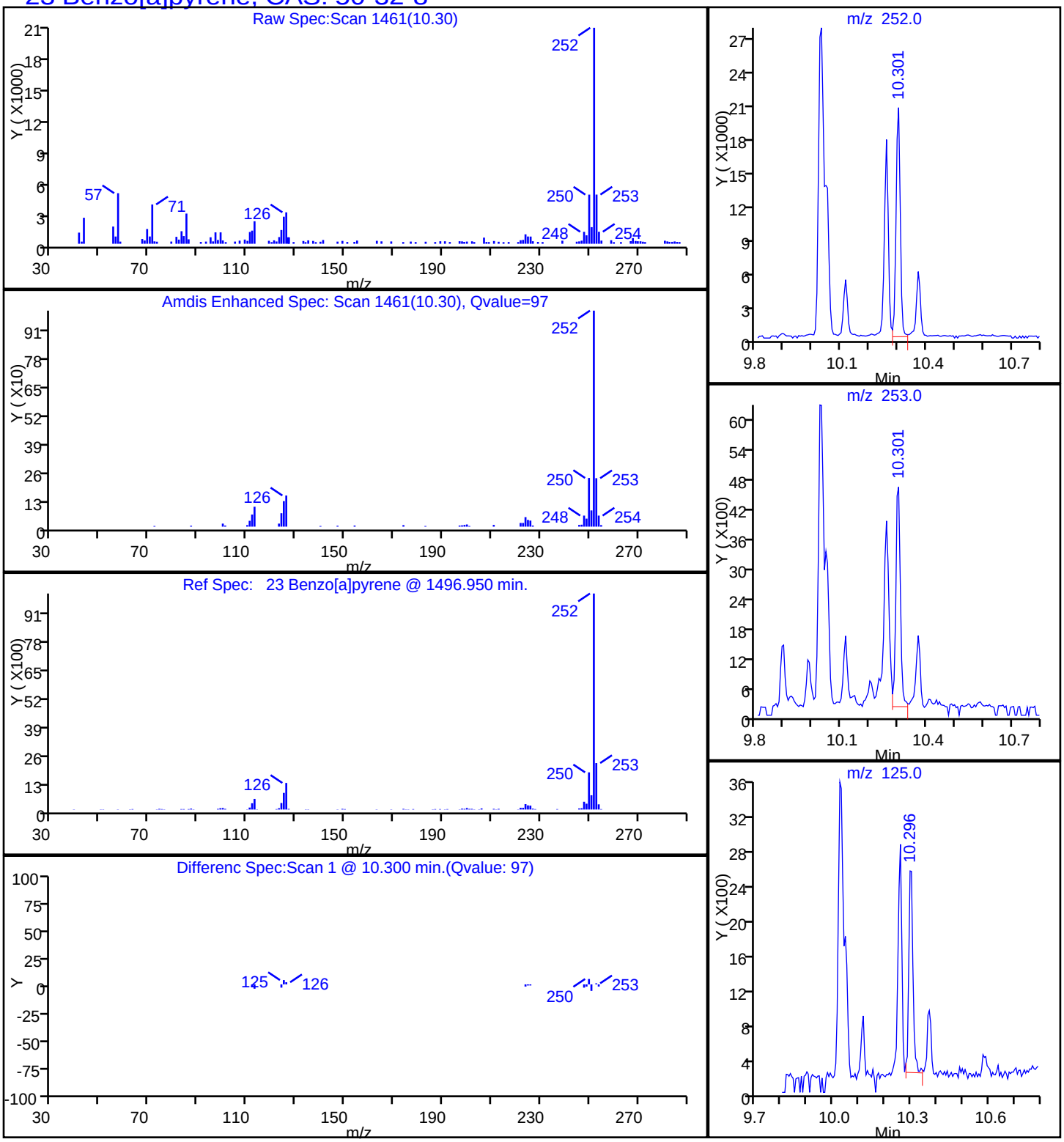


Report Date: 16-Oct-2014 08:47:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

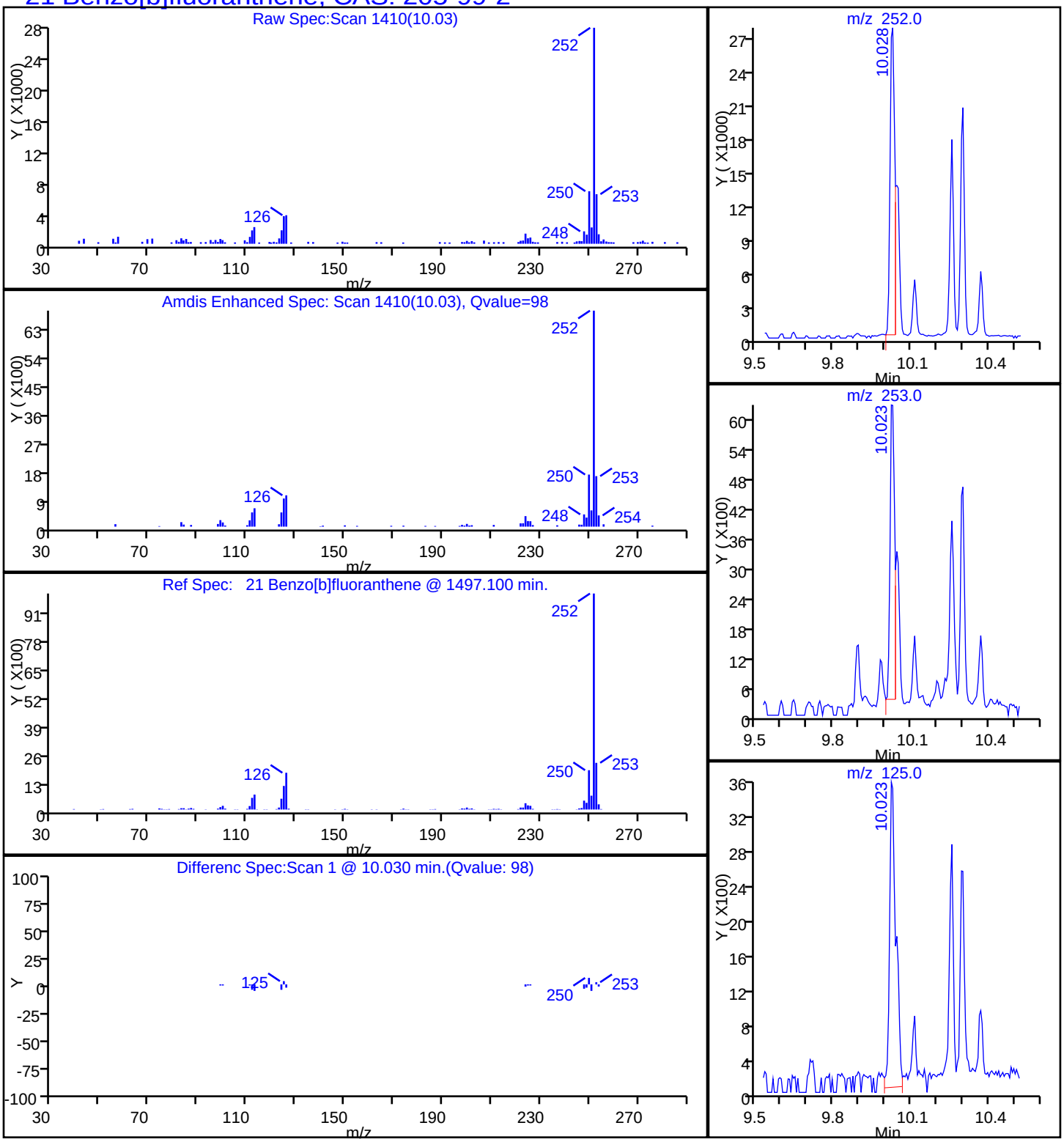


Report Date: 16-Oct-2014 08:47:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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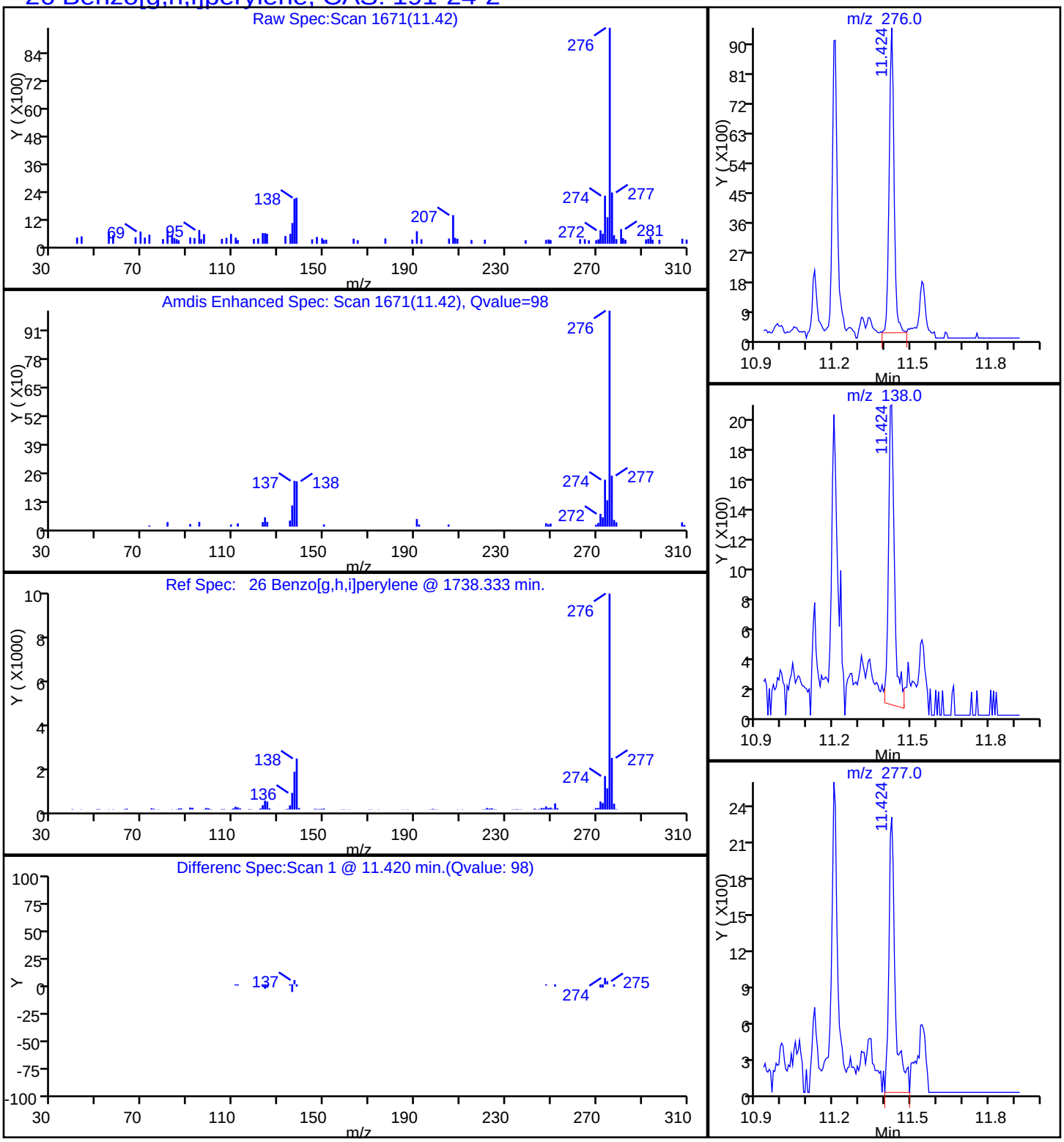
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

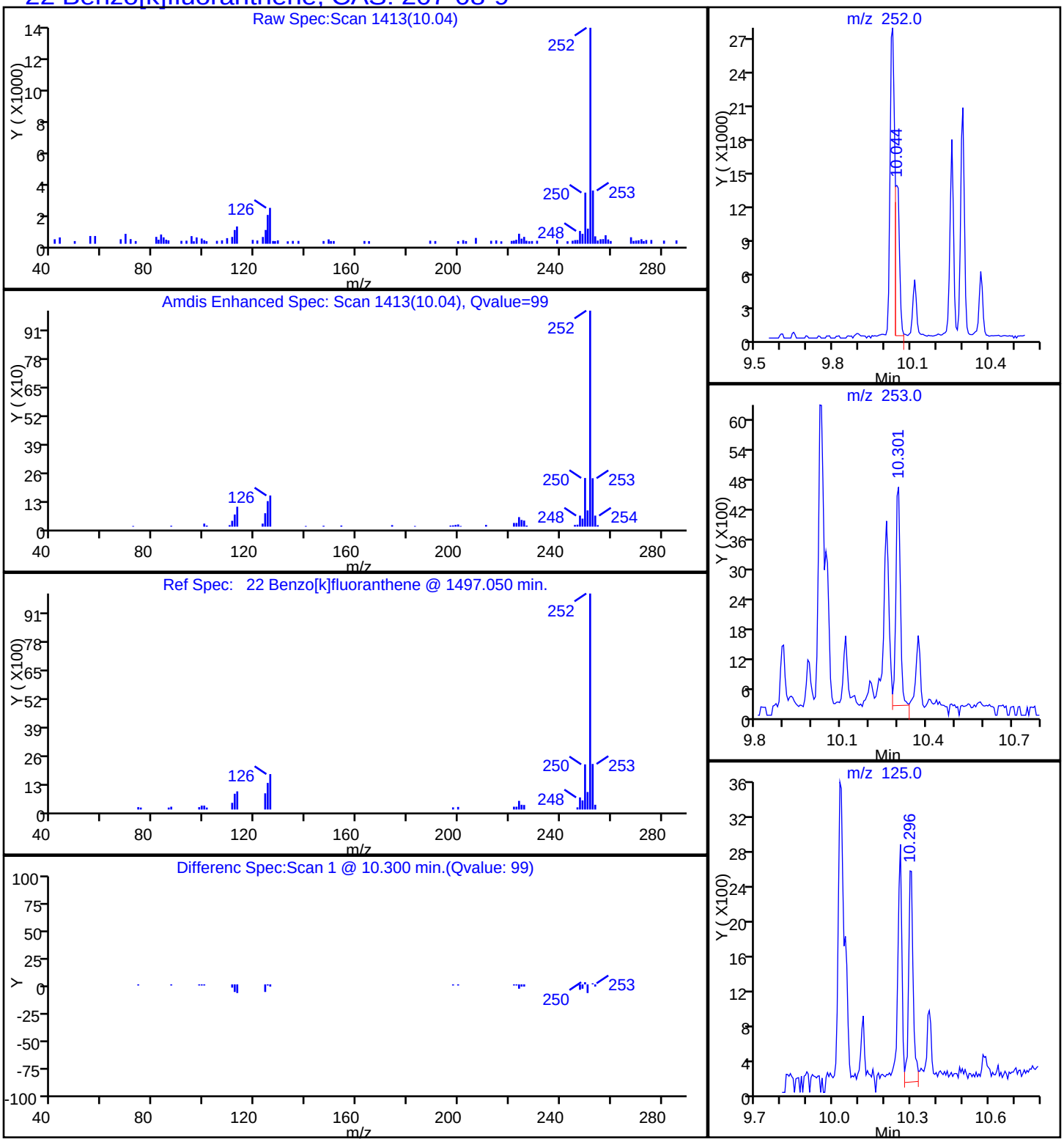


Report Date: 16-Oct-2014 08:47:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

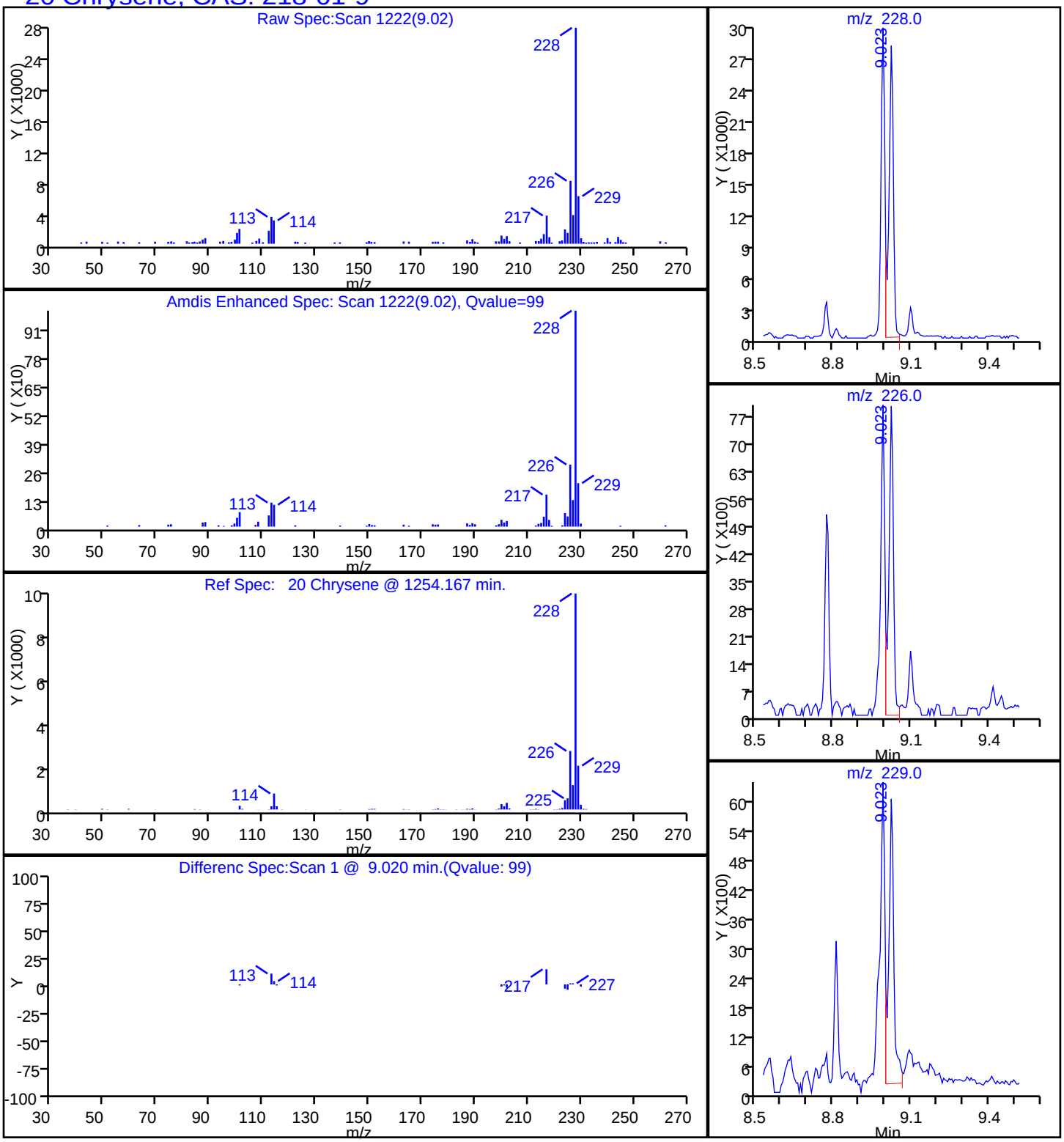


Report Date: 16-Oct-2014 08:47:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

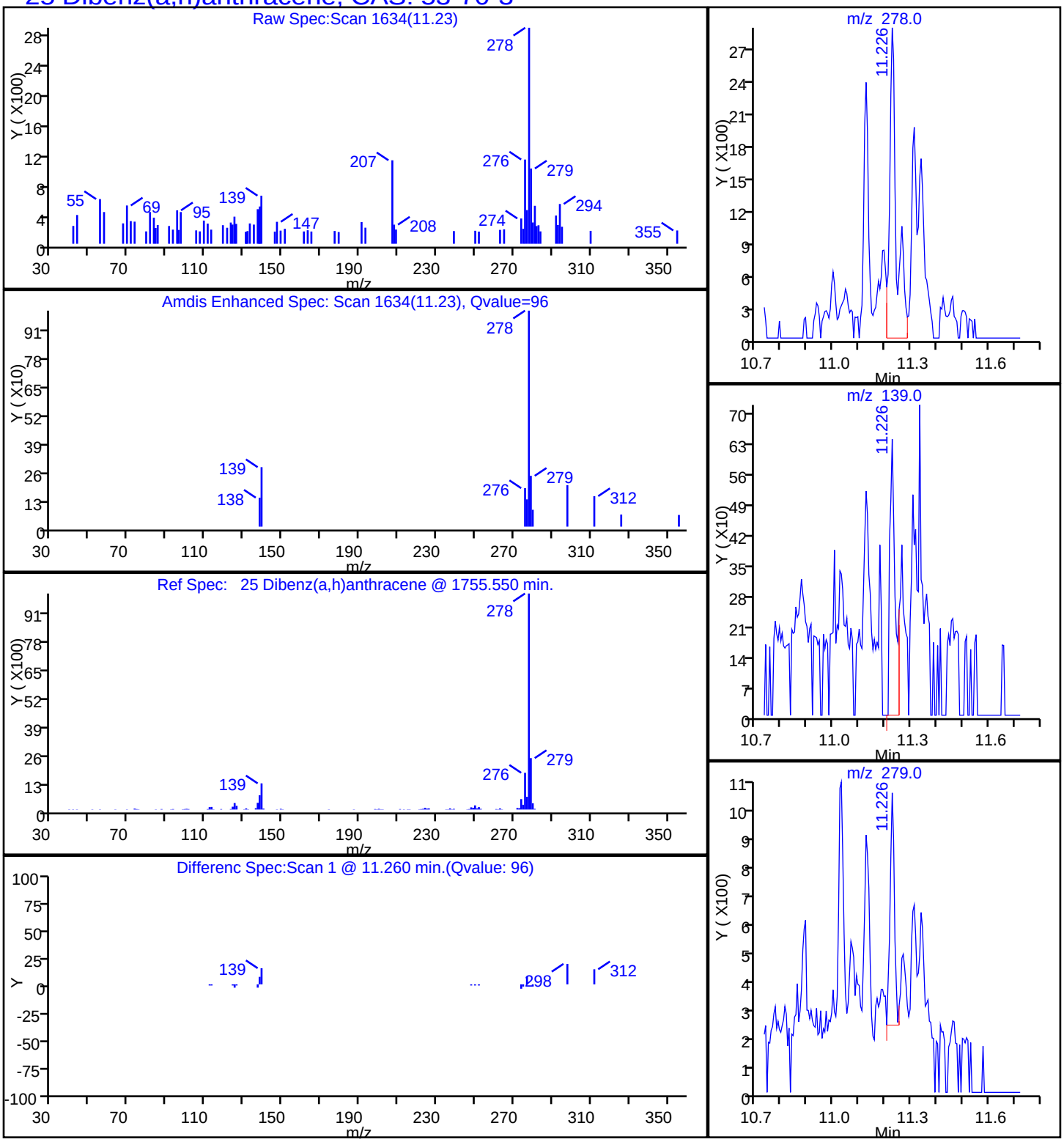


Report Date: 16-Oct-2014 08:47:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

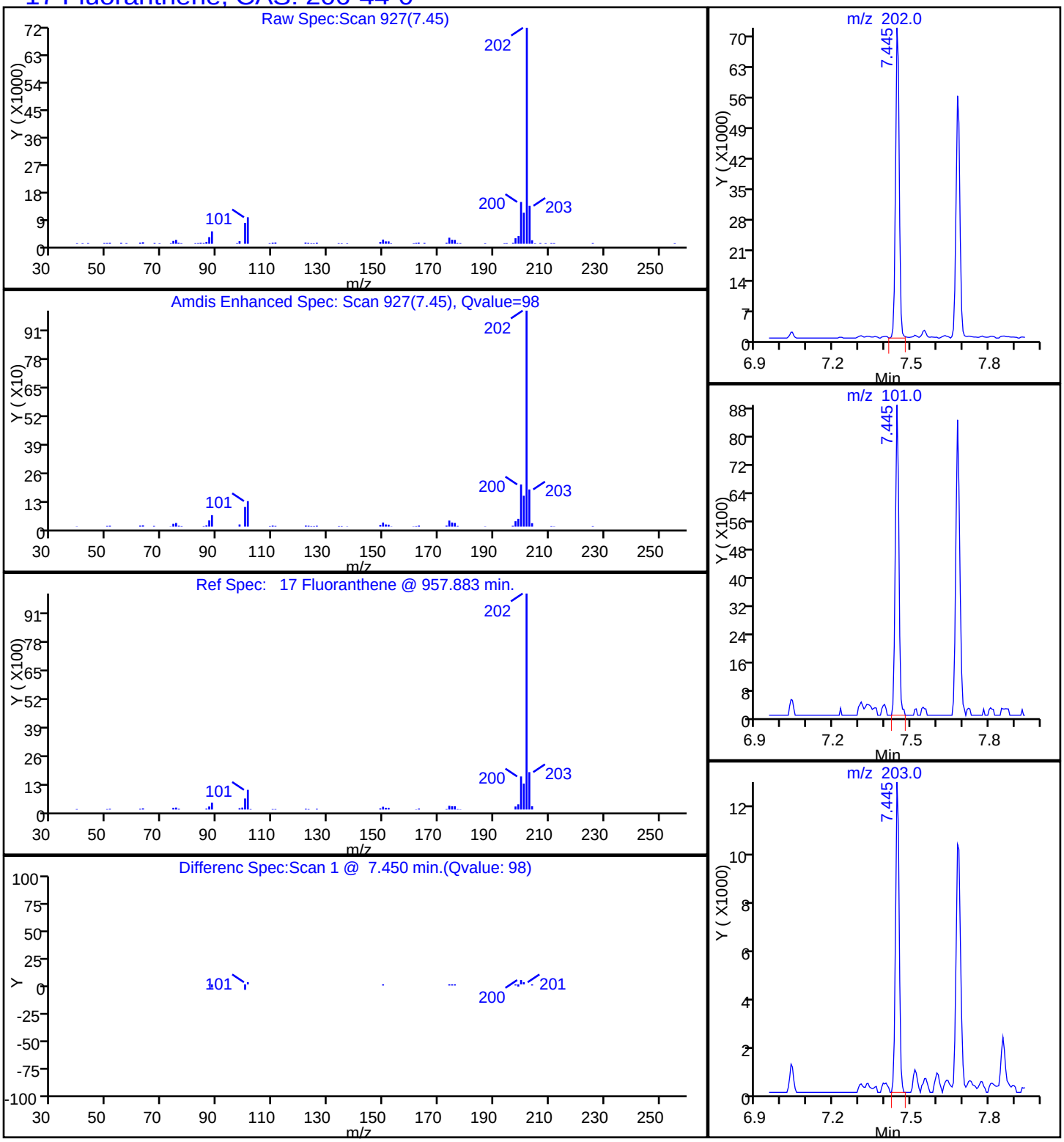


Report Date: 16-Oct-2014 08:47:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

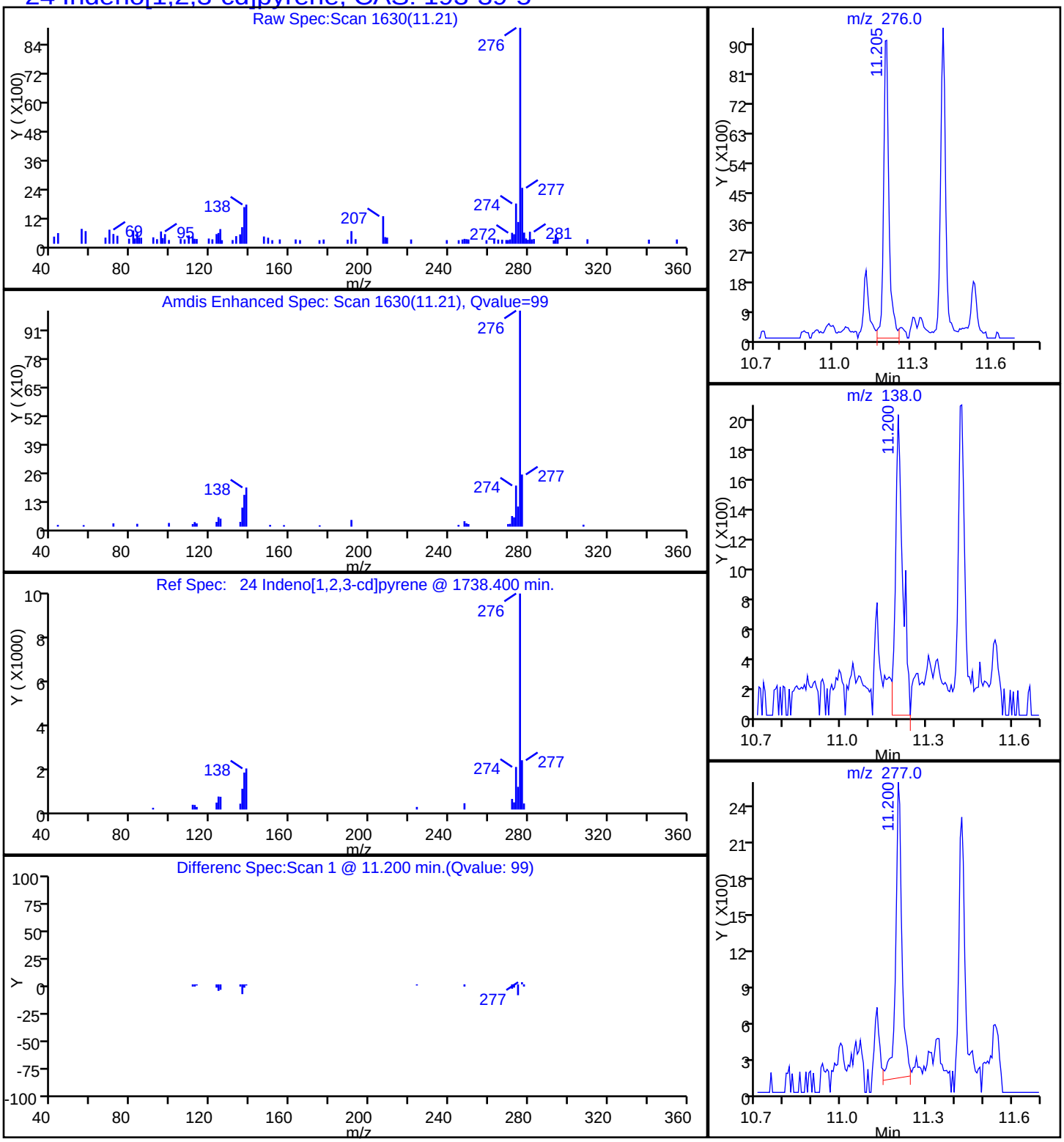


Report Date: 16-Oct-2014 08:47:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

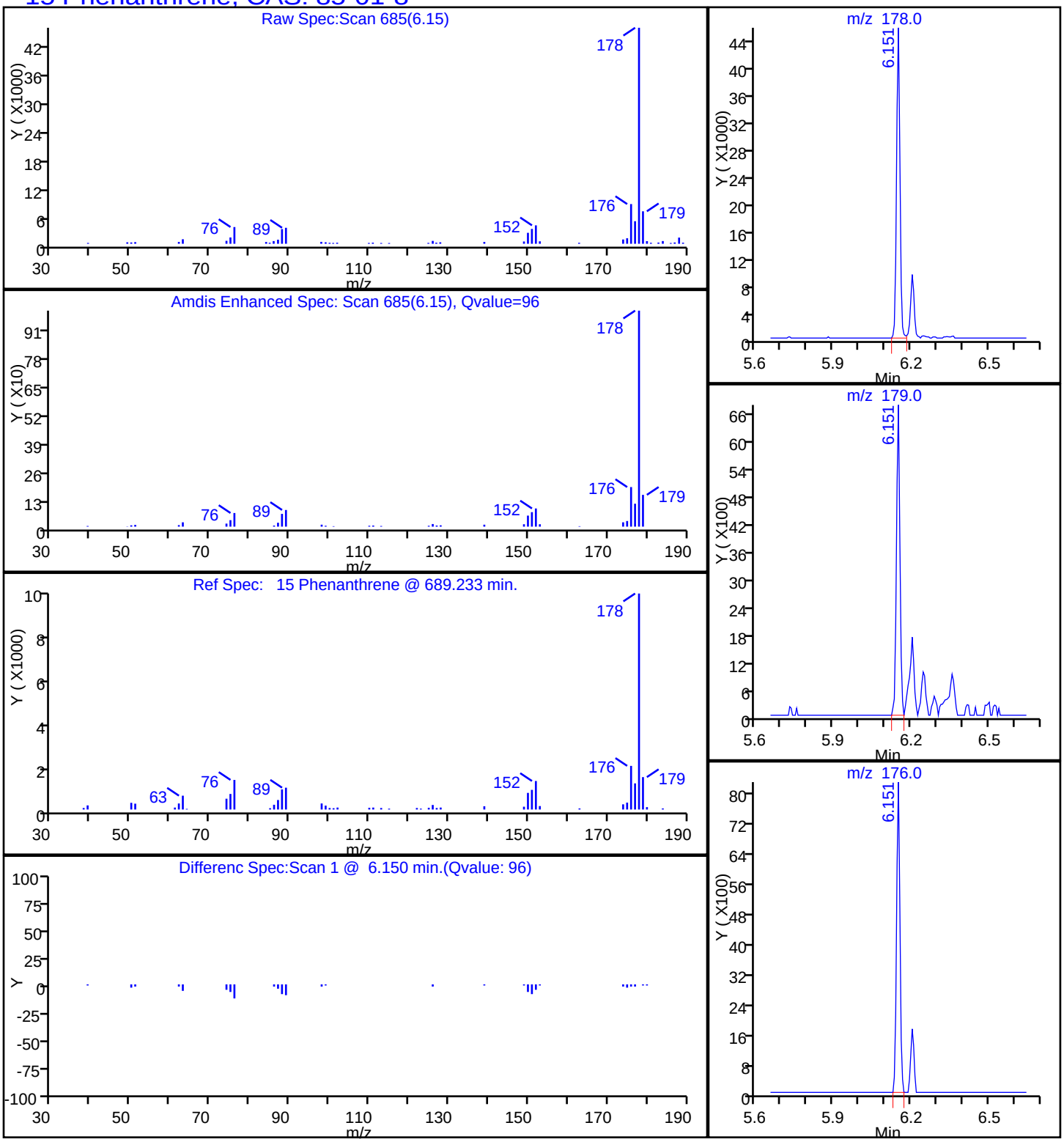


Report Date: 16-Oct-2014 08:47:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

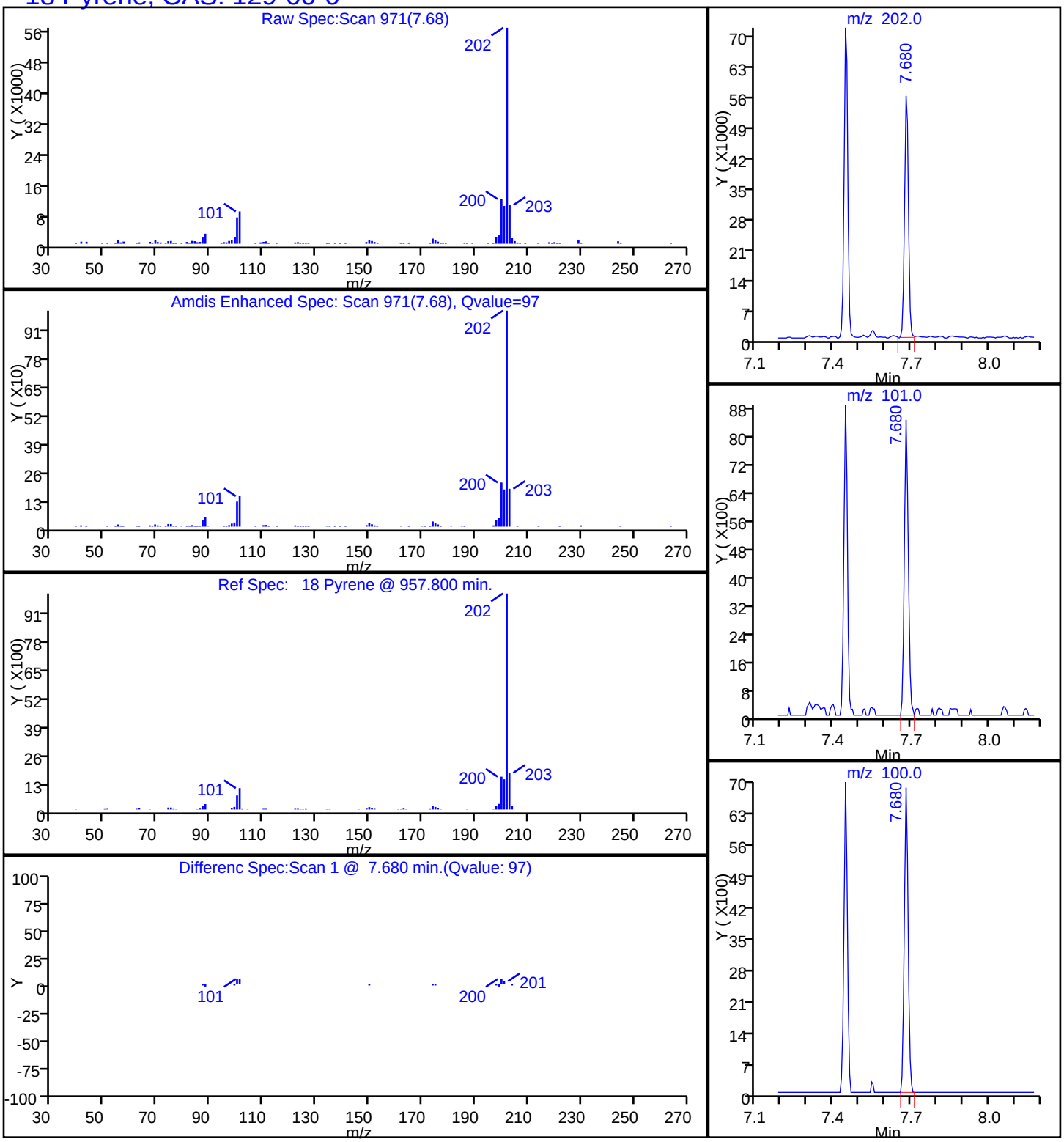


Report Date: 16-Oct-2014 08:47:24 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

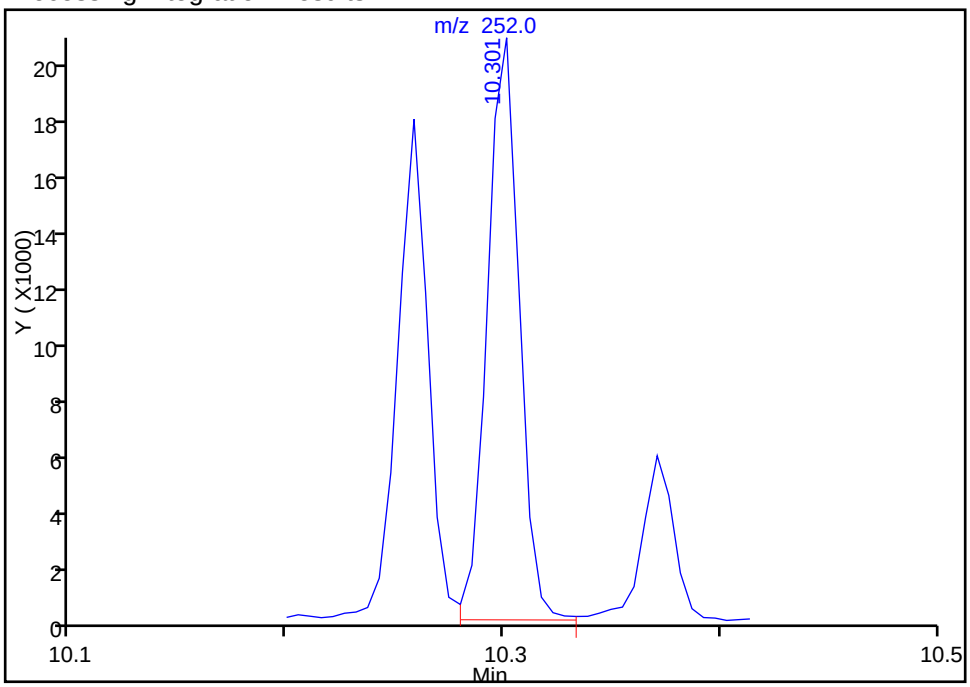
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1523.D				
Injection Date:	15-Oct-2014 20:53:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-13-A	Lab Sample ID:	680-106200-13		
Client ID:	CV0005BB-CS24				
Operator ID:	RM	ALS Bottle#:	21	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

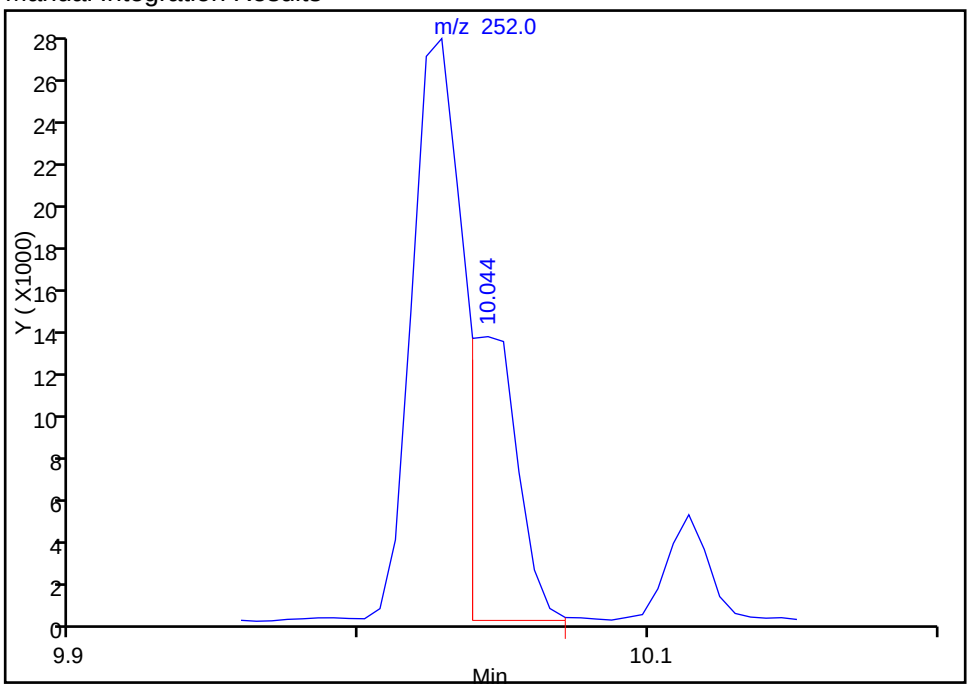
Processing Integration Results

RT: 10.30
Response: 20540
Amount: 0.364671



Manual Integration Results

RT: 10.04
Response: 15742
Amount: 0.279385



Reviewer: webbk, 16-Oct-2014 08:21:17
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005E-CS6 | Lab Sample ID: 680-106200-14

Matrix: Solid | Lab File ID: 2YJ1524.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 09:20

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

Sample wt/vol: 30.23(g) | Date Analyzed: 10/15/2014 21:15

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

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

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	140	U	140	71
208-96-8	Acenaphthylene	460		140	71
120-12-7	Anthracene	240		140	71
56-55-3	Benzo[a]anthracene	3100		140	71
50-32-8	Benzo[a]pyrene	3100		140	26
205-99-2	Benzo[b]fluoranthene	4800		140	71
191-24-2	Benzo[g,h,i]perylene	2000		140	71
207-08-9	Benzo[k]fluoranthene	1900		140	43
218-01-9	Chrysene	3500		140	71
53-70-3	Dibenz(a,h)anthracene	740		140	71
206-44-0	Fluoranthene	6000		140	71
86-73-7	Fluorene	84	J	140	71
193-39-5	Indeno[1,2,3-cd]pyrene	1400		140	71
90-12-0	1-Methylnaphthalene	94	J	140	67
91-57-6	2-Methylnaphthalene	110	J	140	71
91-20-3	Naphthalene	110	J	140	71
85-01-8	Phenanthrene	930		140	52
129-00-0	Pyrene	6300		140	71

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\20141015-13789.b\2YJ1524.D				
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 21:15:30	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	106200-A-14-A 1:20				
Misc. Info.:	680-0013789-024				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:24:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.861	2.856	0.005	98	152398	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	91	90120	2.00	
* 3 Phenanthrene-d10	188	6.129	6.124	0.005	98	156263	2.00	
* 4 Chrysene-d12	240	9.007	8.996	0.011	99	146657	2.00	
* 5 Perylene-d12	264	10.360	10.344	0.016	98	108755	2.00	
7 Naphthalene	128	2.877	2.877	0.000	99	12281	0.1477	
8 2-Methylnaphthalene	142	3.519	3.514	0.005	86	8288	0.1504	
9 1-Methylnaphthalene	142	3.610	3.605	0.005	91	6646	0.1300	
11 Acenaphthylene	152	4.402	4.396	0.006	98	56258	0.6442	
12 Acenaphthene	153	4.583	4.584	-0.001	94	2953	0.0526	
14 Fluorene	166	5.134	5.129	0.005	91	7231	0.1167	
15 Phenanthrene	178	6.151	6.151	0.000	96	120092	1.28	
16 Anthracene	178	6.204	6.204	0.000	99	31225	0.3357	
17 Fluoranthene	202	7.456	7.445	0.011	98	825023	8.32	
18 Pyrene	202	7.691	7.680	0.011	98	827046	8.69	
19 Benzo[a]anthracene	228	9.001	8.991	0.010	98	368849	4.30	
20 Chrysene	228	9.034	9.023	0.011	99	386072	4.85	
21 Benzo[b]fluoranthene	252	10.039	10.023	0.016	99	475146	6.64	M
22 Benzo[k]fluoranthene	252	10.055	10.050	0.005	97	177172	2.58	M
23 Benzo[a]pyrene	252	10.312	10.296	0.016	97	255343	4.34	
24 Indeno[1,2,3-cd]pyrene	276	11.210	11.200	0.010	99	160405	1.99	
25 Dibenz(a,h)anthracene	278	11.232	11.227	0.005	98	52929	1.03	
26 Benzo[g,h,i]perylene	276	11.435	11.424	0.011	98	148969	2.77	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

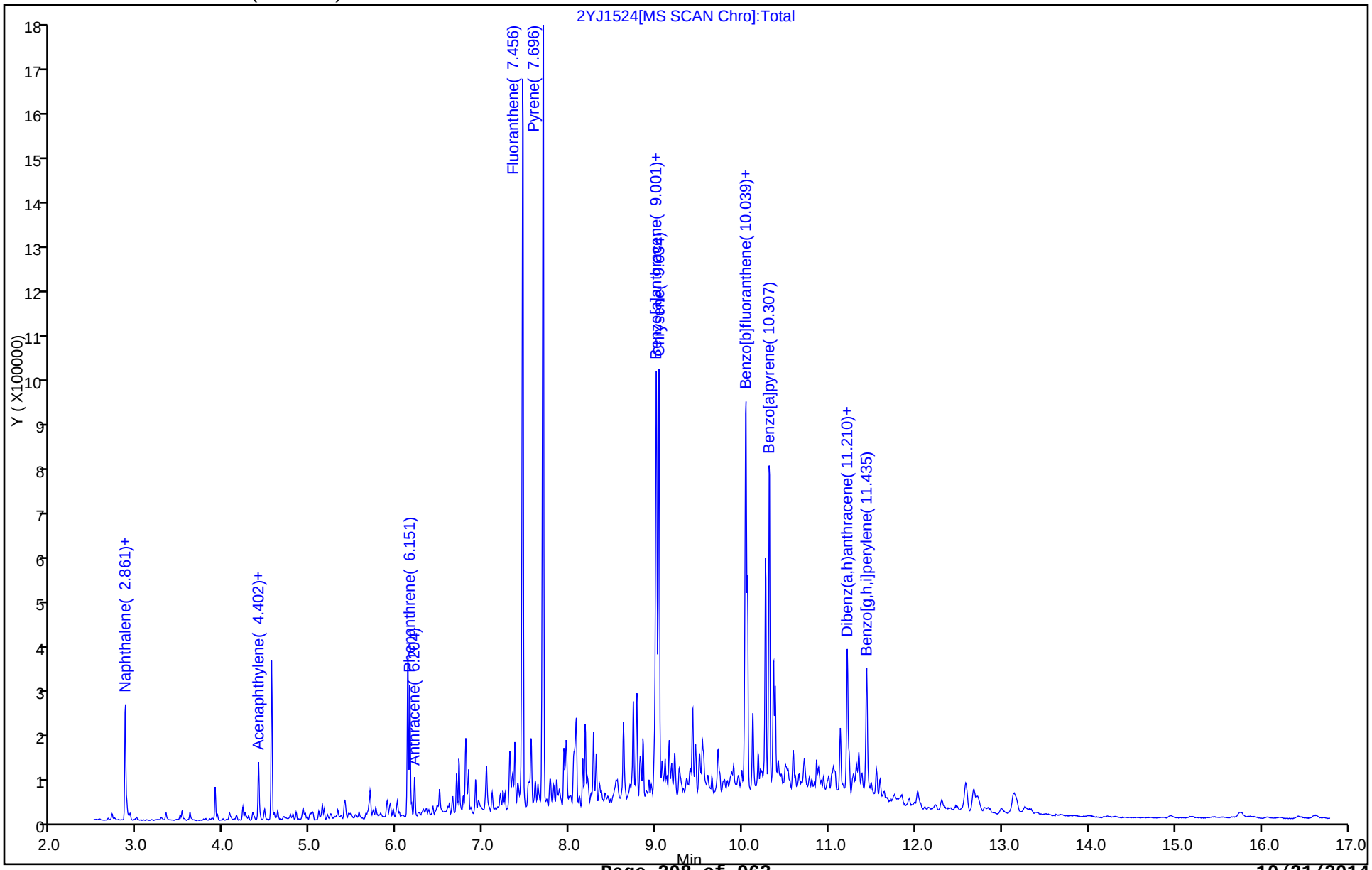
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14	Worklist Smp#:	24
Client ID:	CV0005E-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	22
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

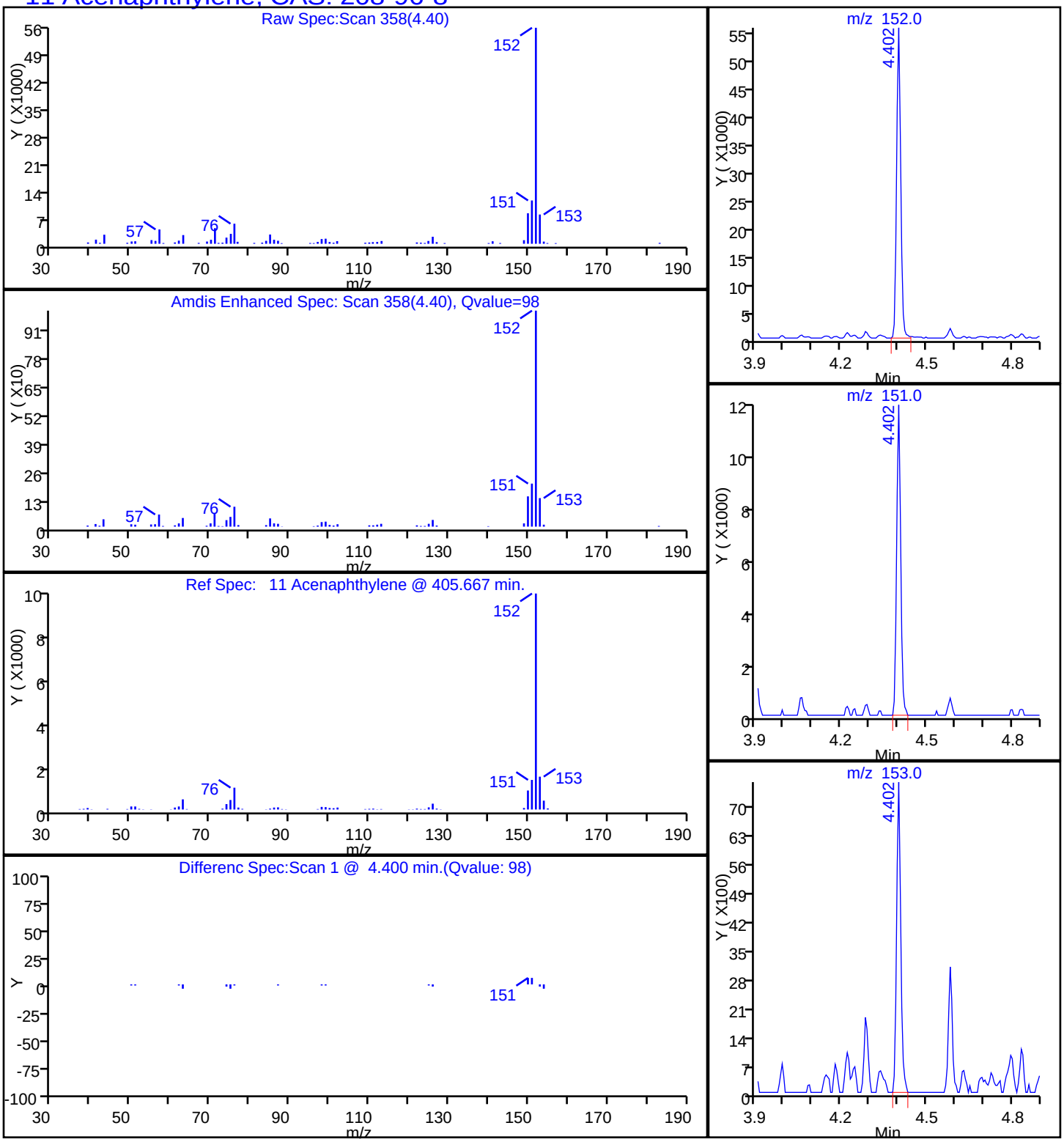


Report Date: 16-Oct-2014 08:47:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

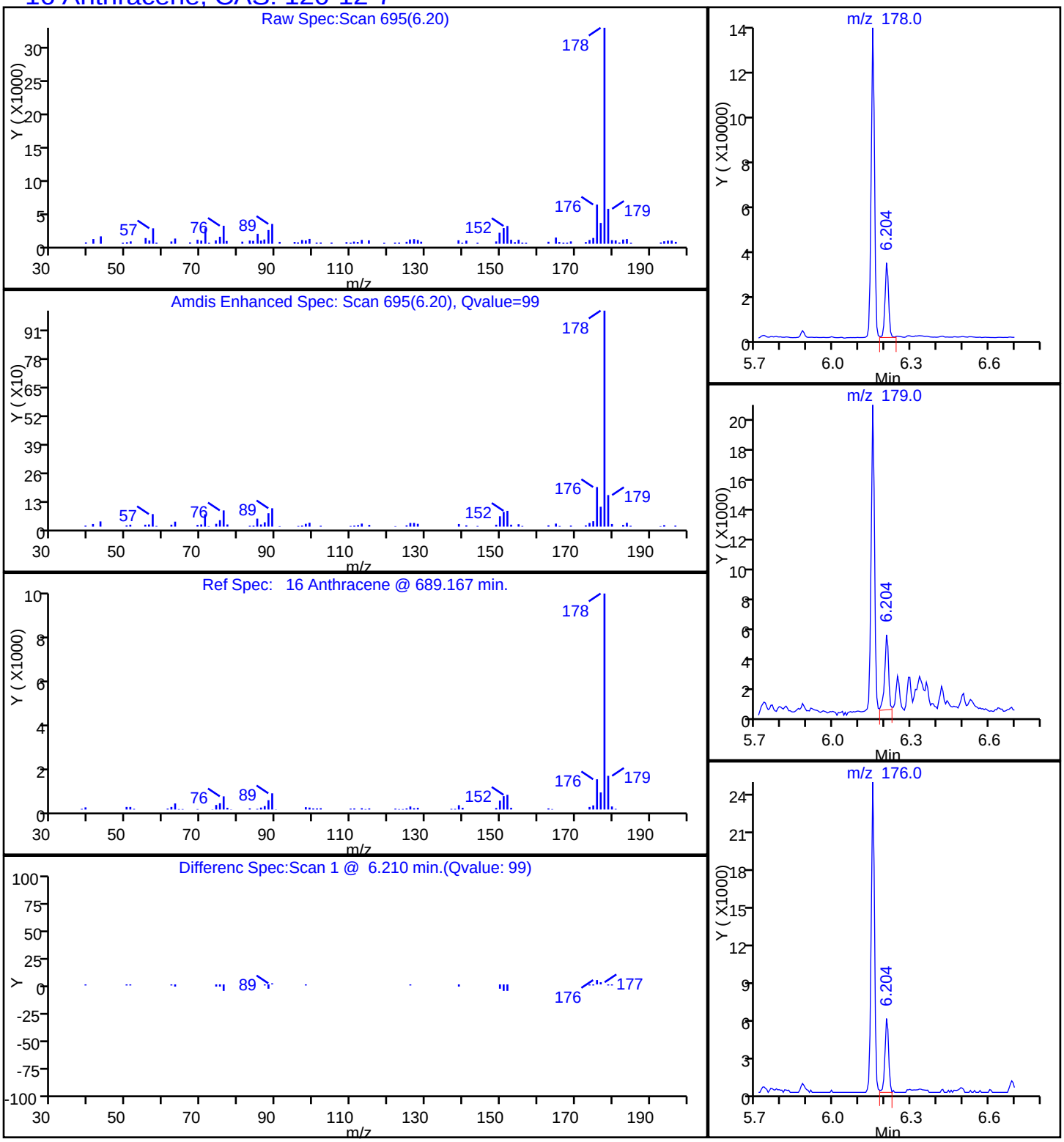


Report Date: 16-Oct-2014 08:47:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

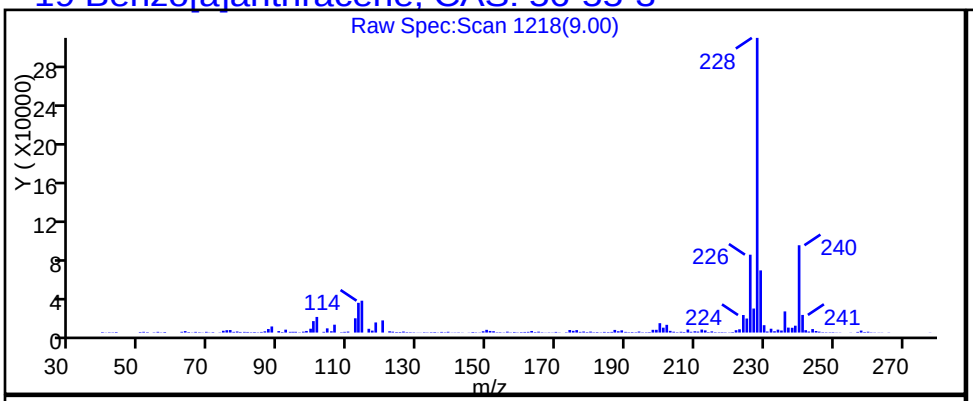


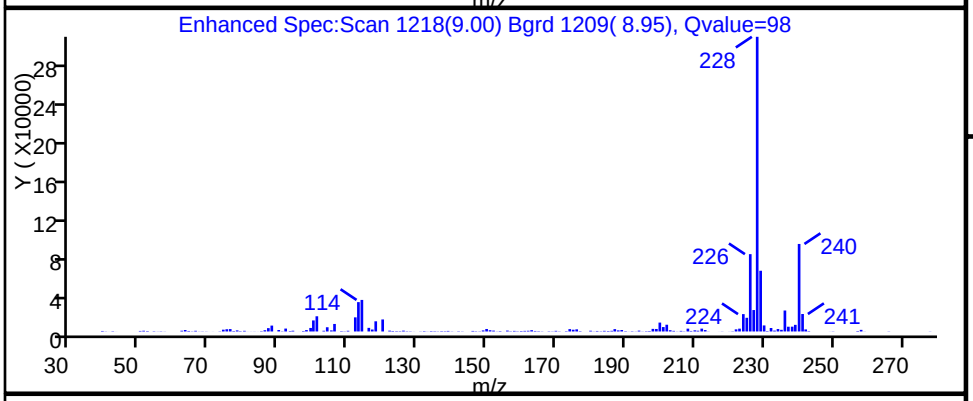
Report Date: 16-Oct-2014 08:47:26 Chrom Revision: 2.2 18-Aug-2014 12:17:36

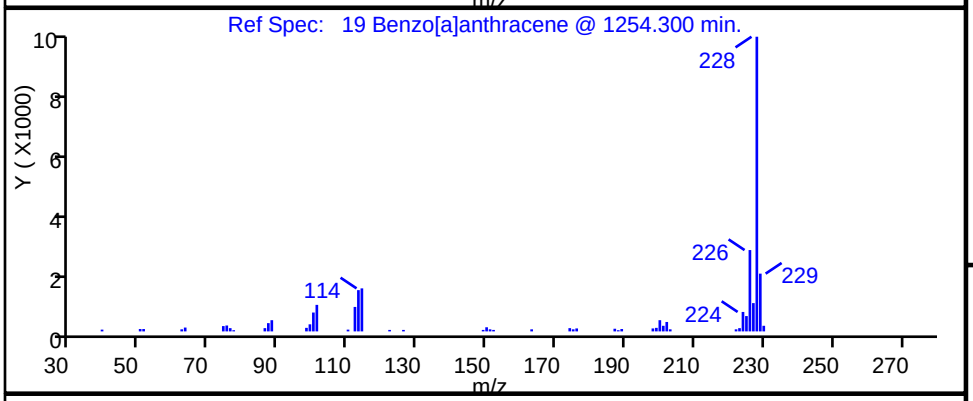
TestAmerica Savannah

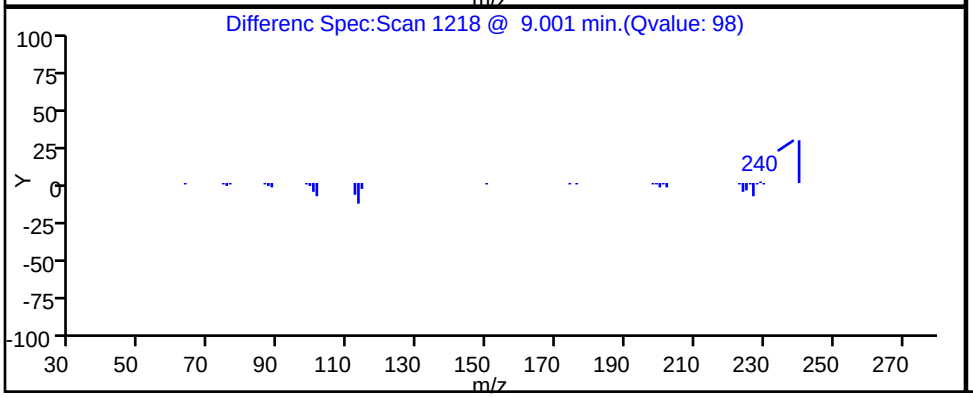
Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

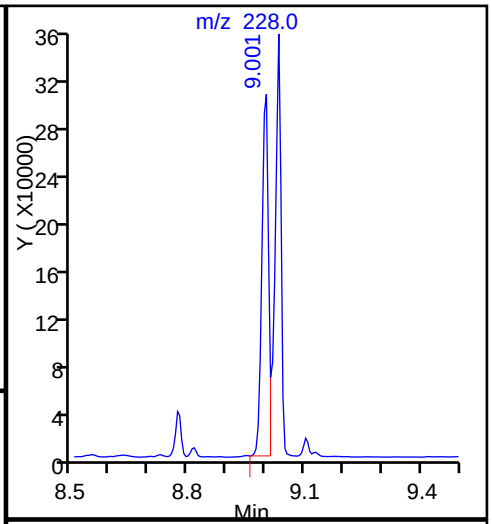
19 Benzo[a]anthracene, CAS: 56-55-3

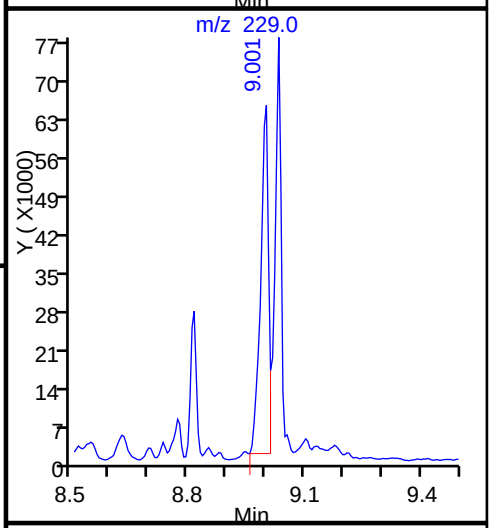


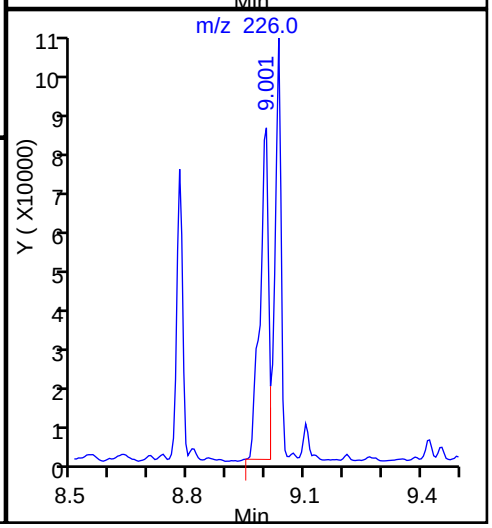










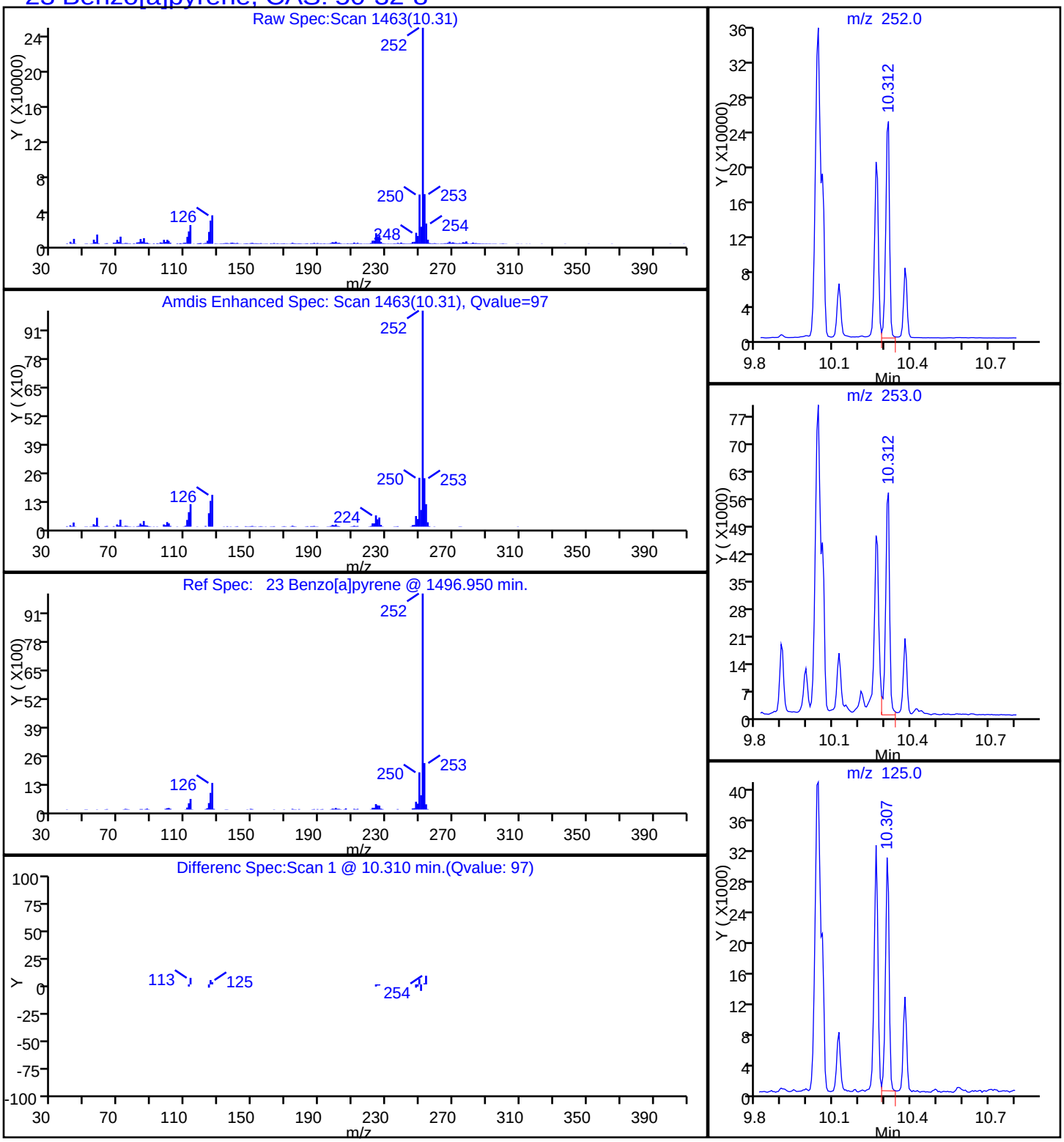


Report Date: 16-Oct-2014 08:47:26 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

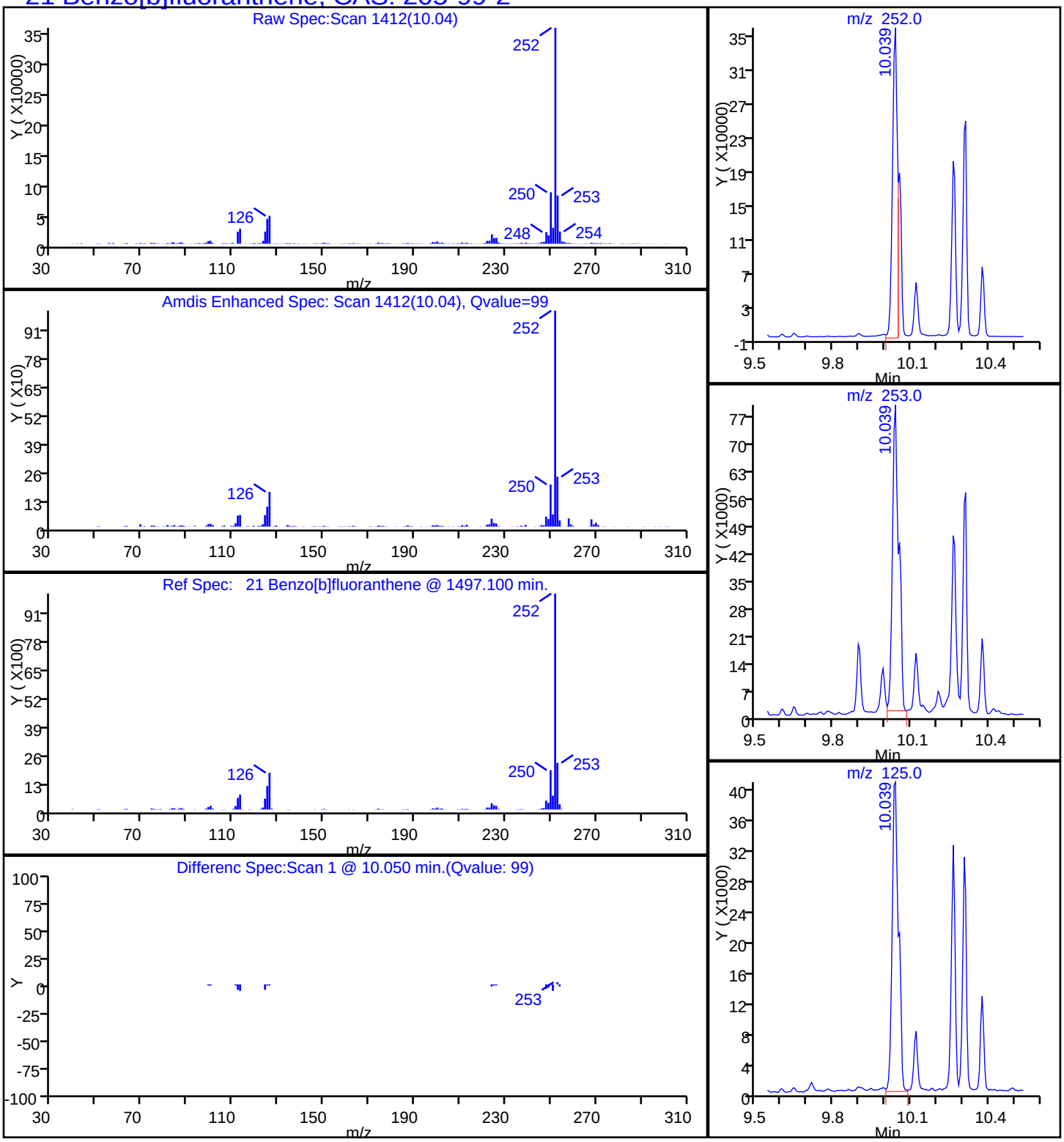


Report Date: 16-Oct-2014 08:47:26 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

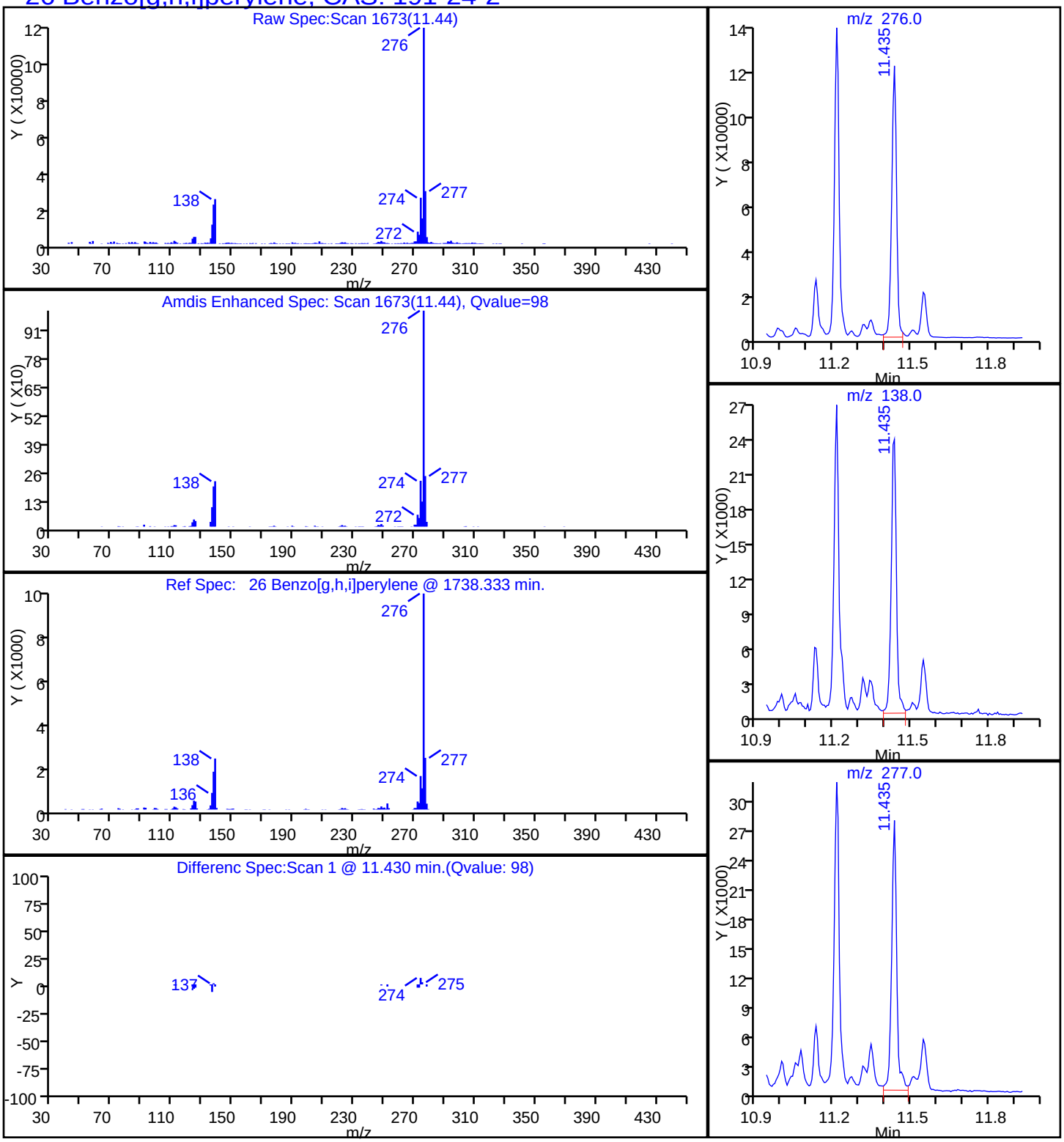


Report Date: 16-Oct-2014 08:47:26 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

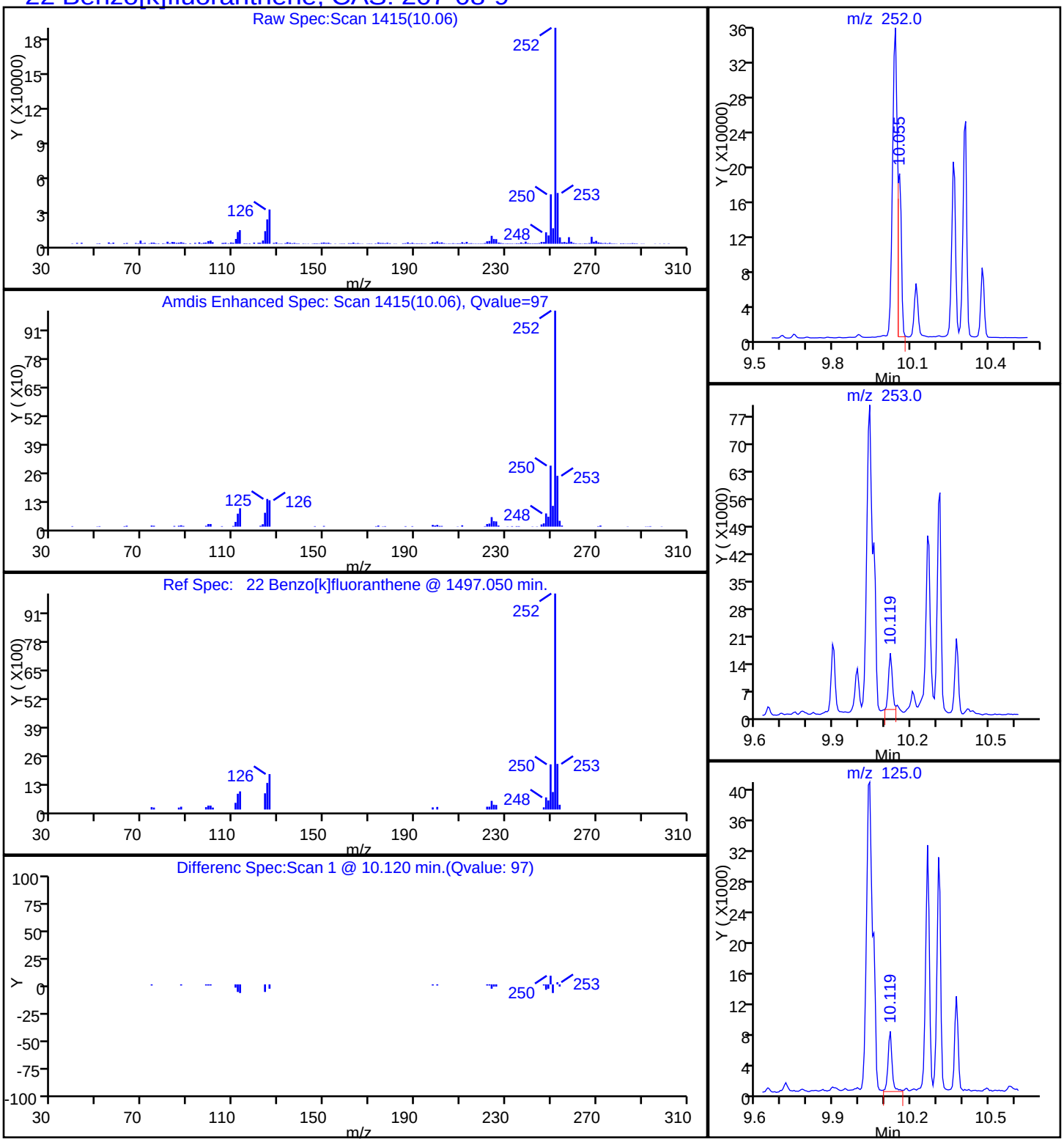


Report Date: 16-Oct-2014 08:47:26 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

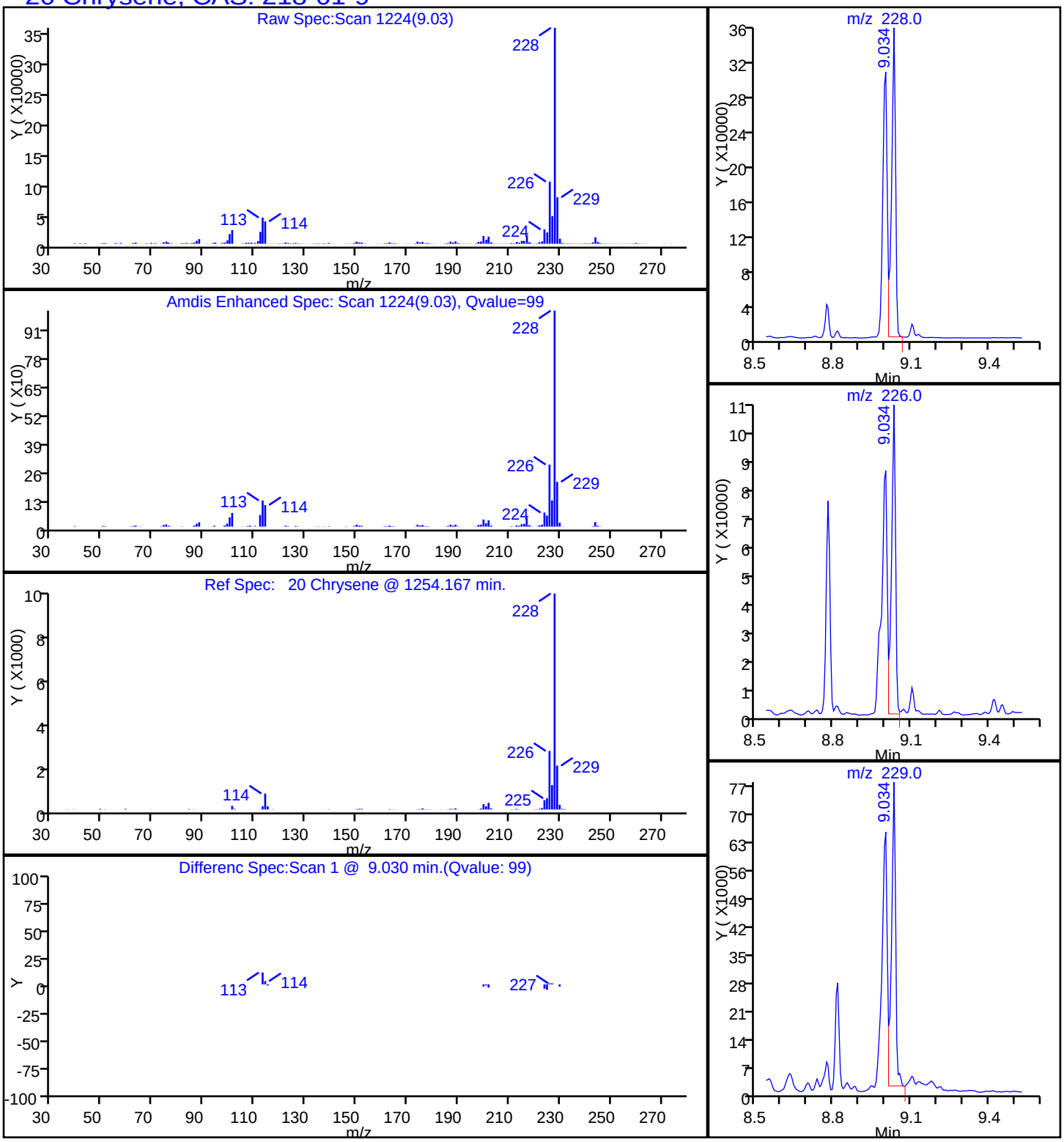


Report Date: 16-Oct-2014 08:47:26 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

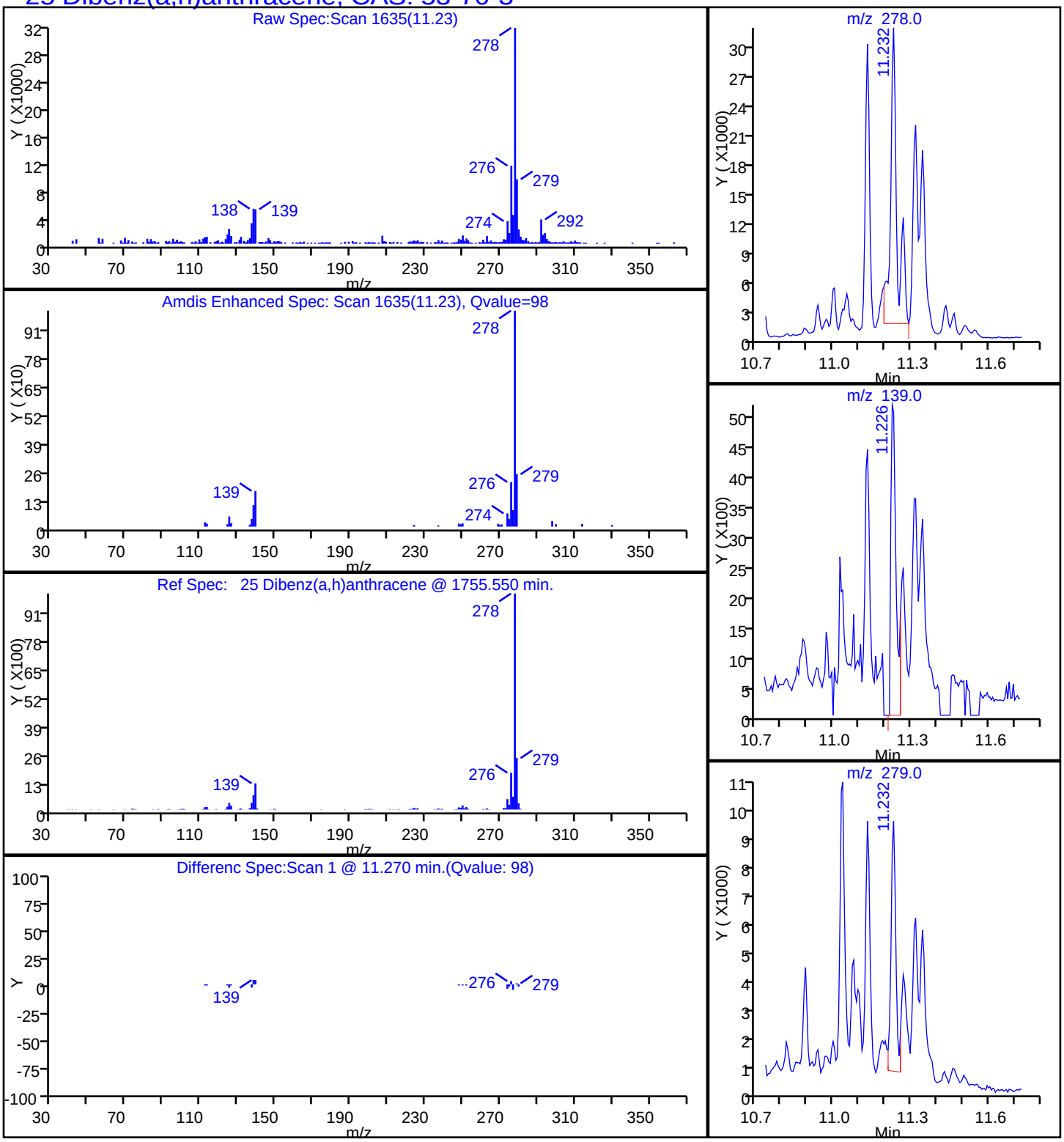


Report Date: 16-Oct-2014 08:47:26 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

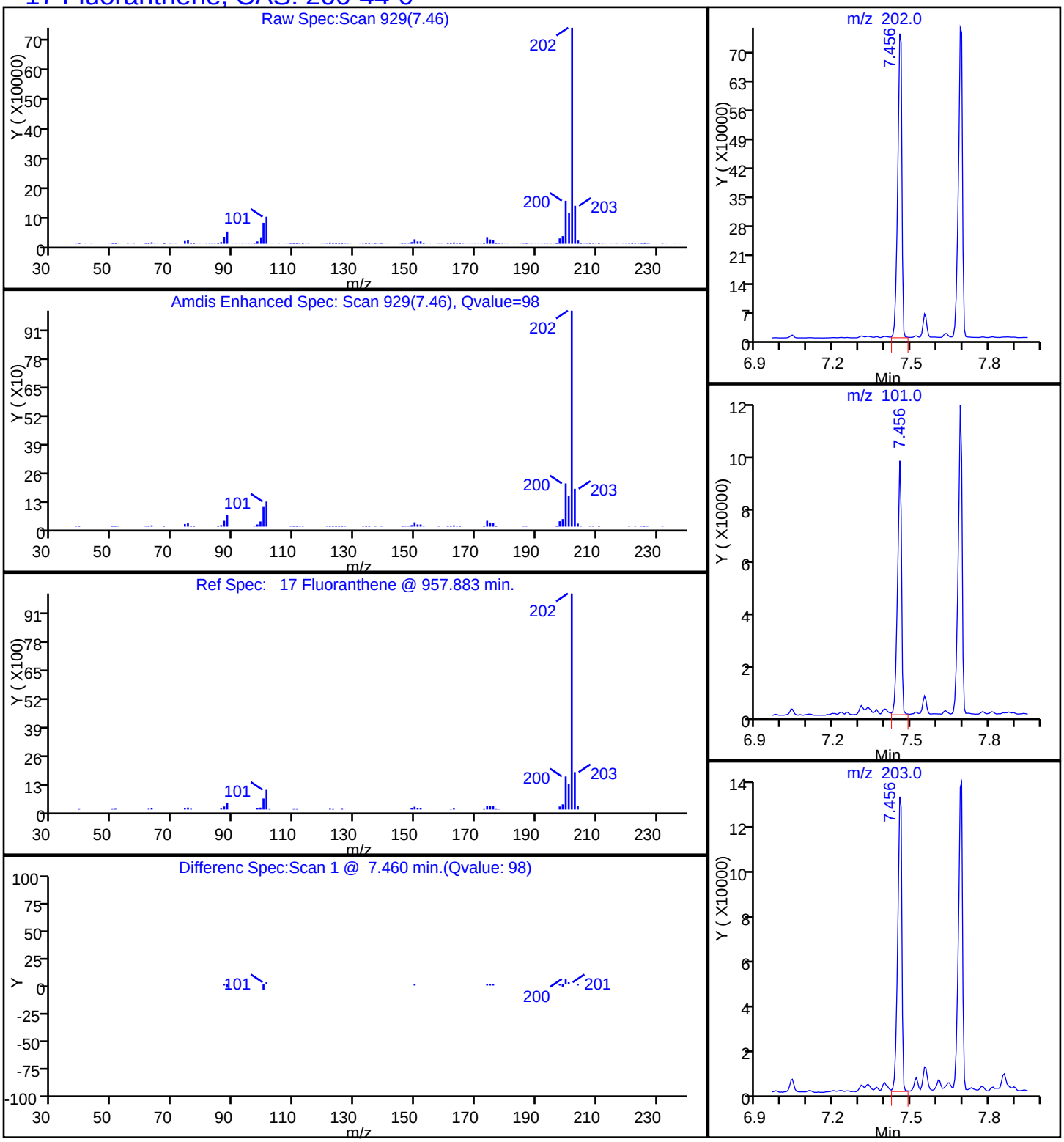


Report Date: 16-Oct-2014 08:47:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

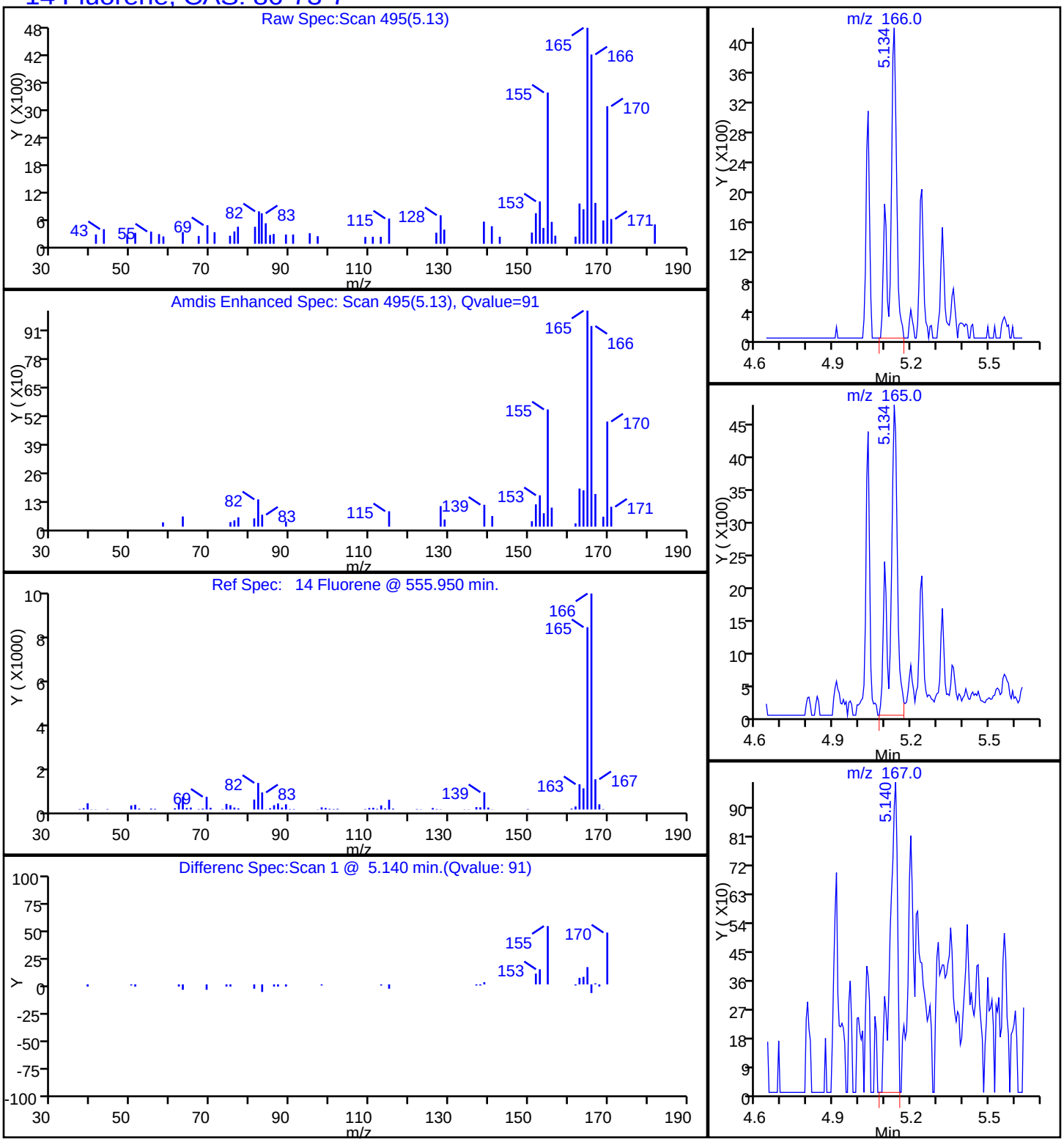


Report Date: 16-Oct-2014 08:47:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

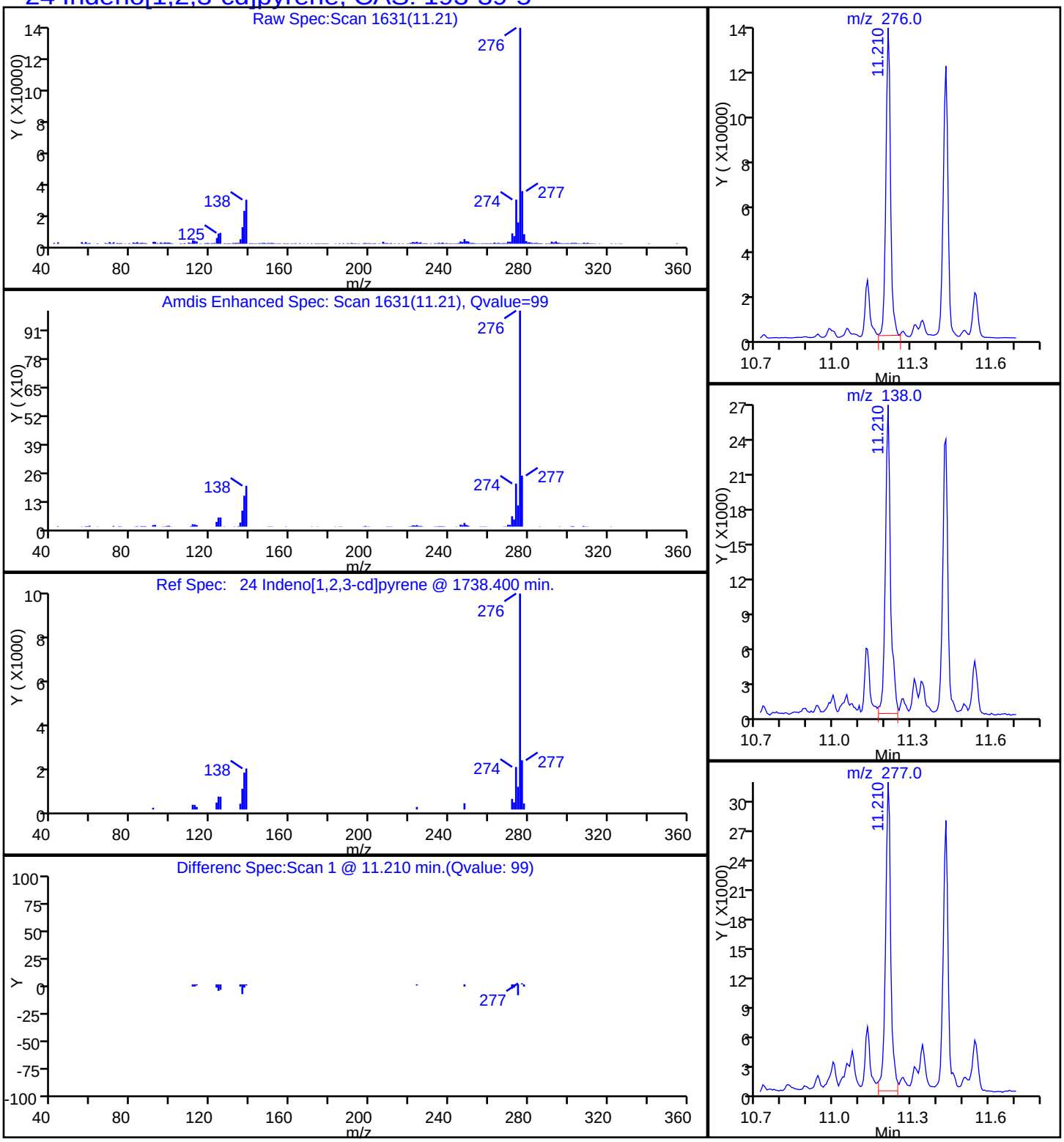


Report Date: 16-Oct-2014 08:47:26 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

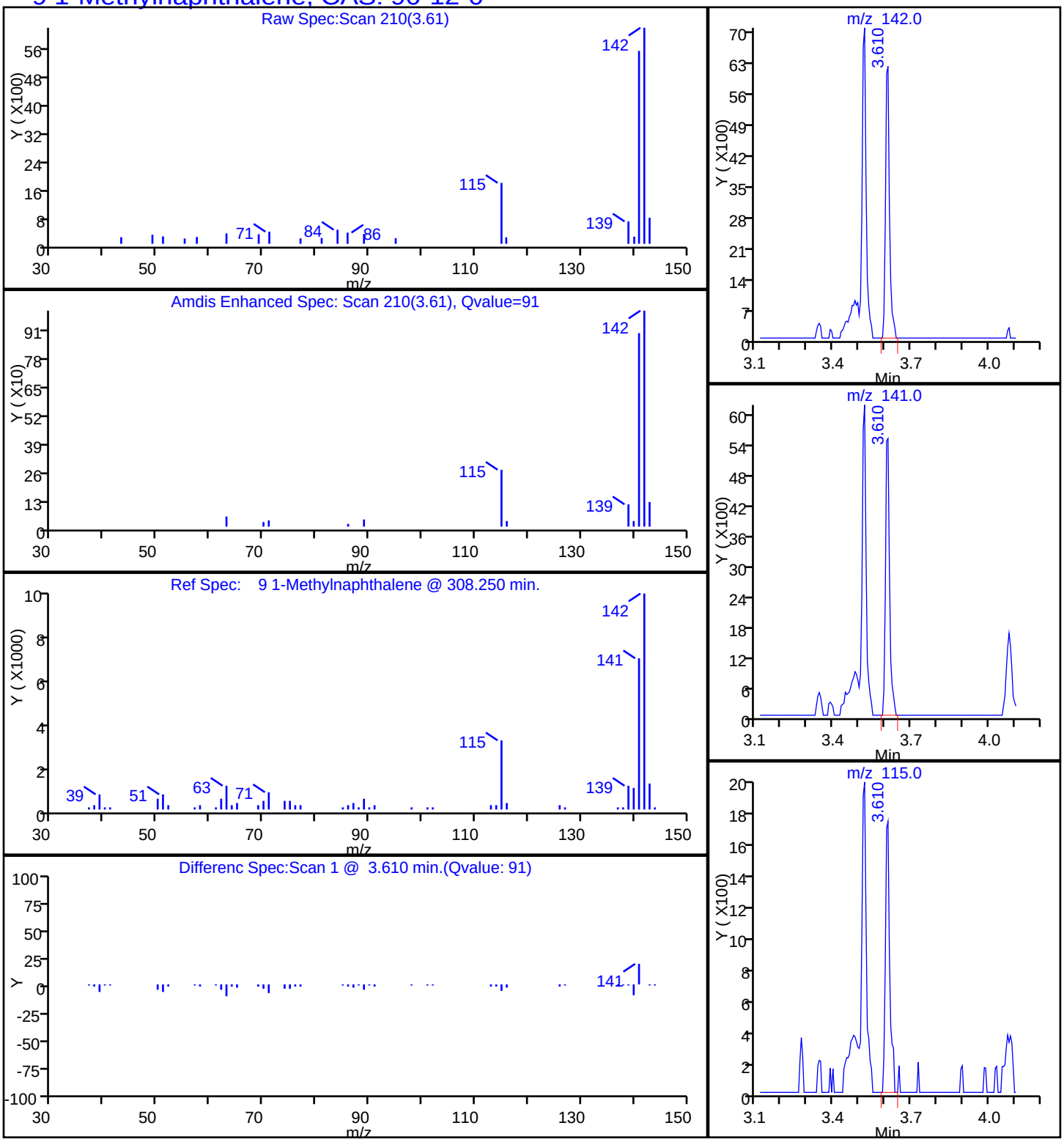


Report Date: 16-Oct-2014 08:47:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

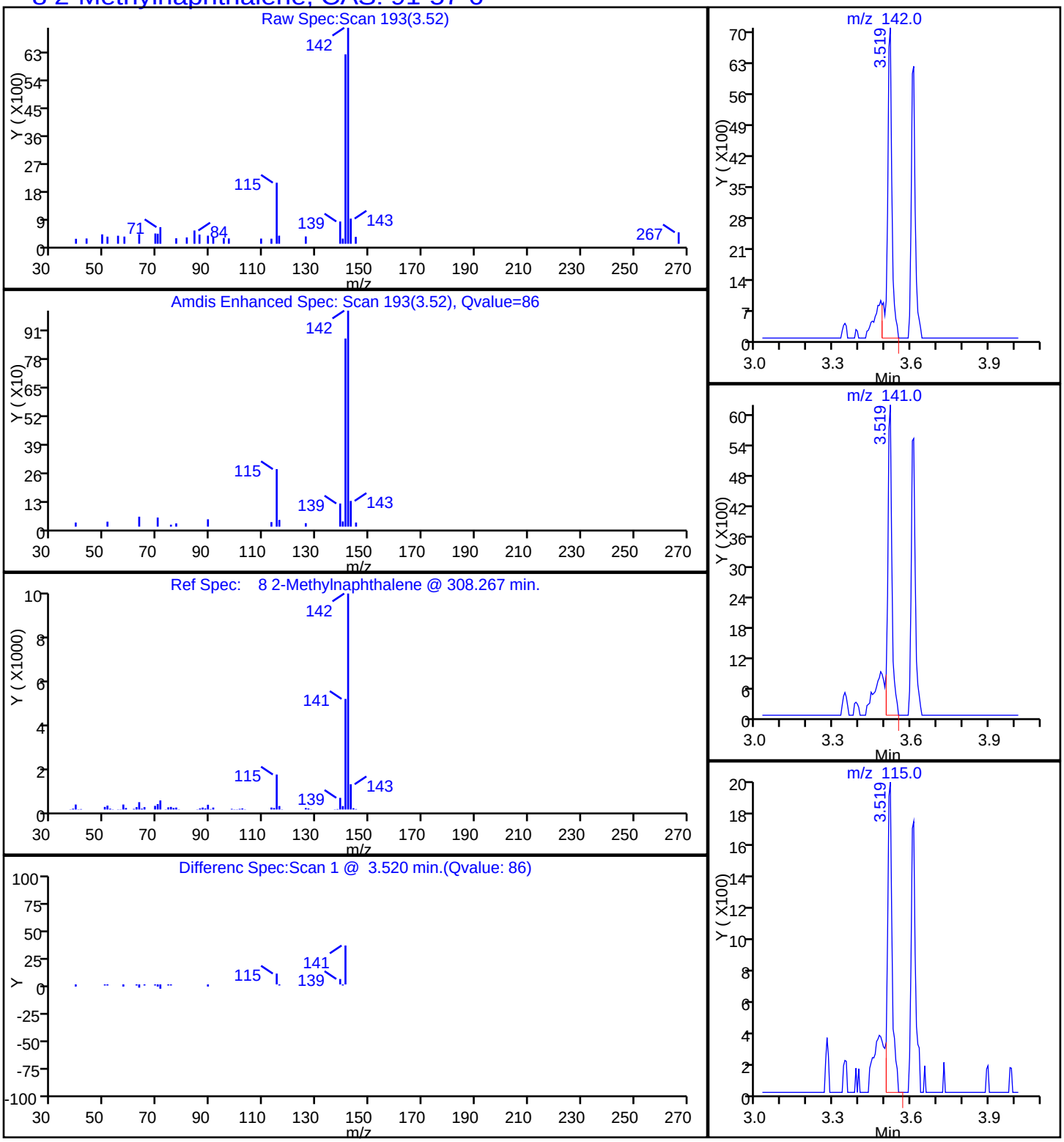


Report Date: 16-Oct-2014 08:47:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

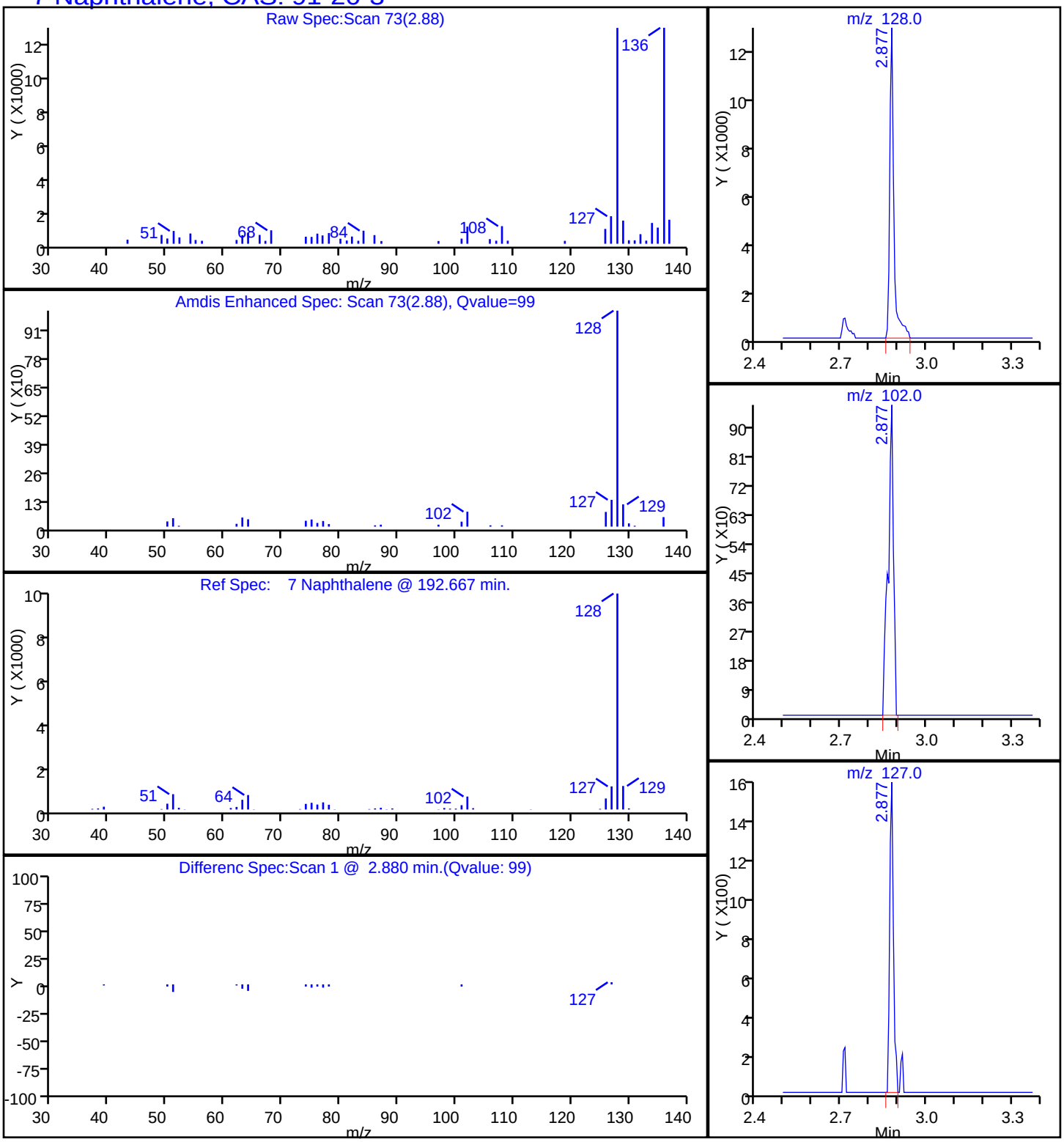


Report Date: 16-Oct-2014 08:47:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

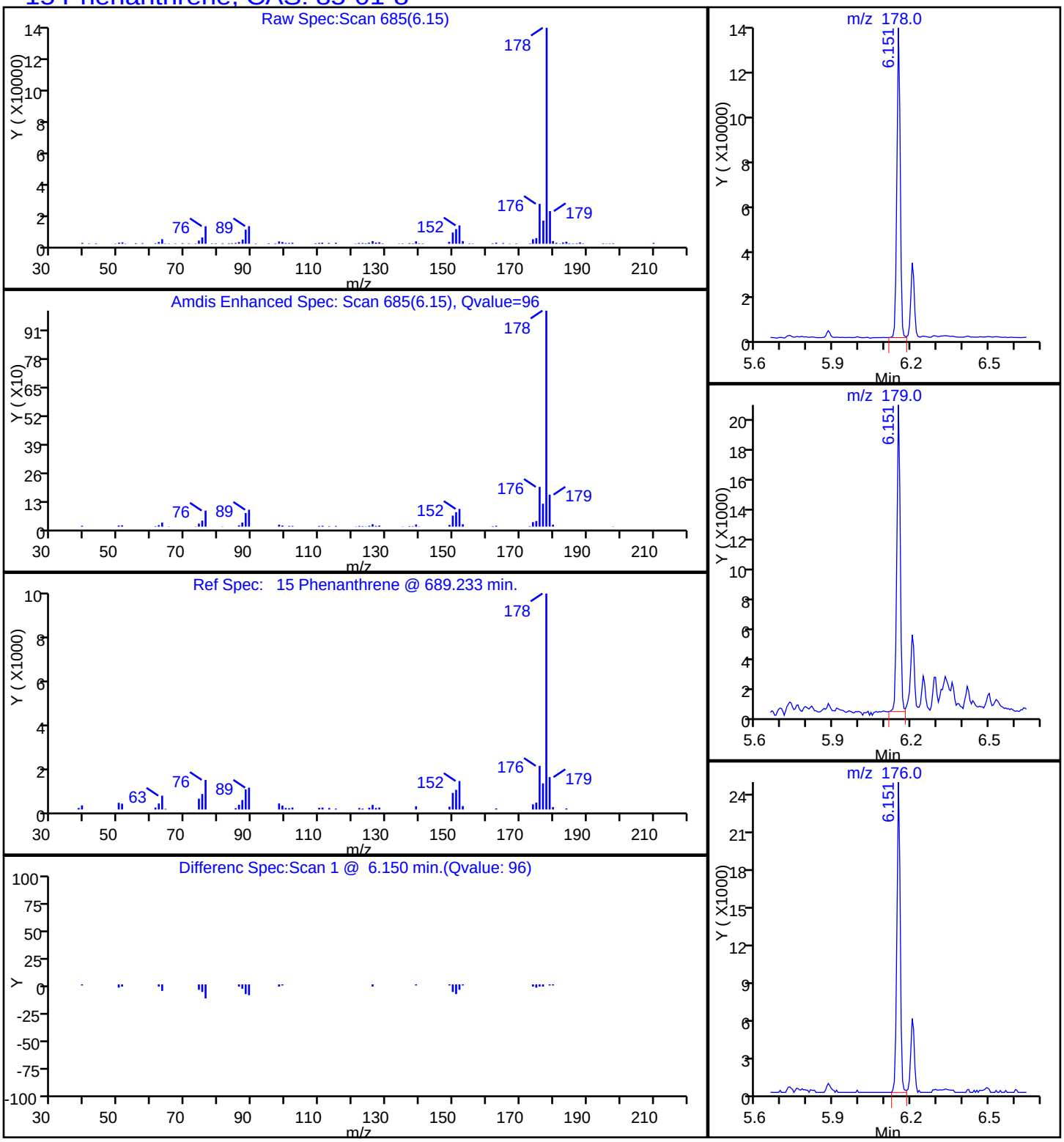


Report Date: 16-Oct-2014 08:47:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

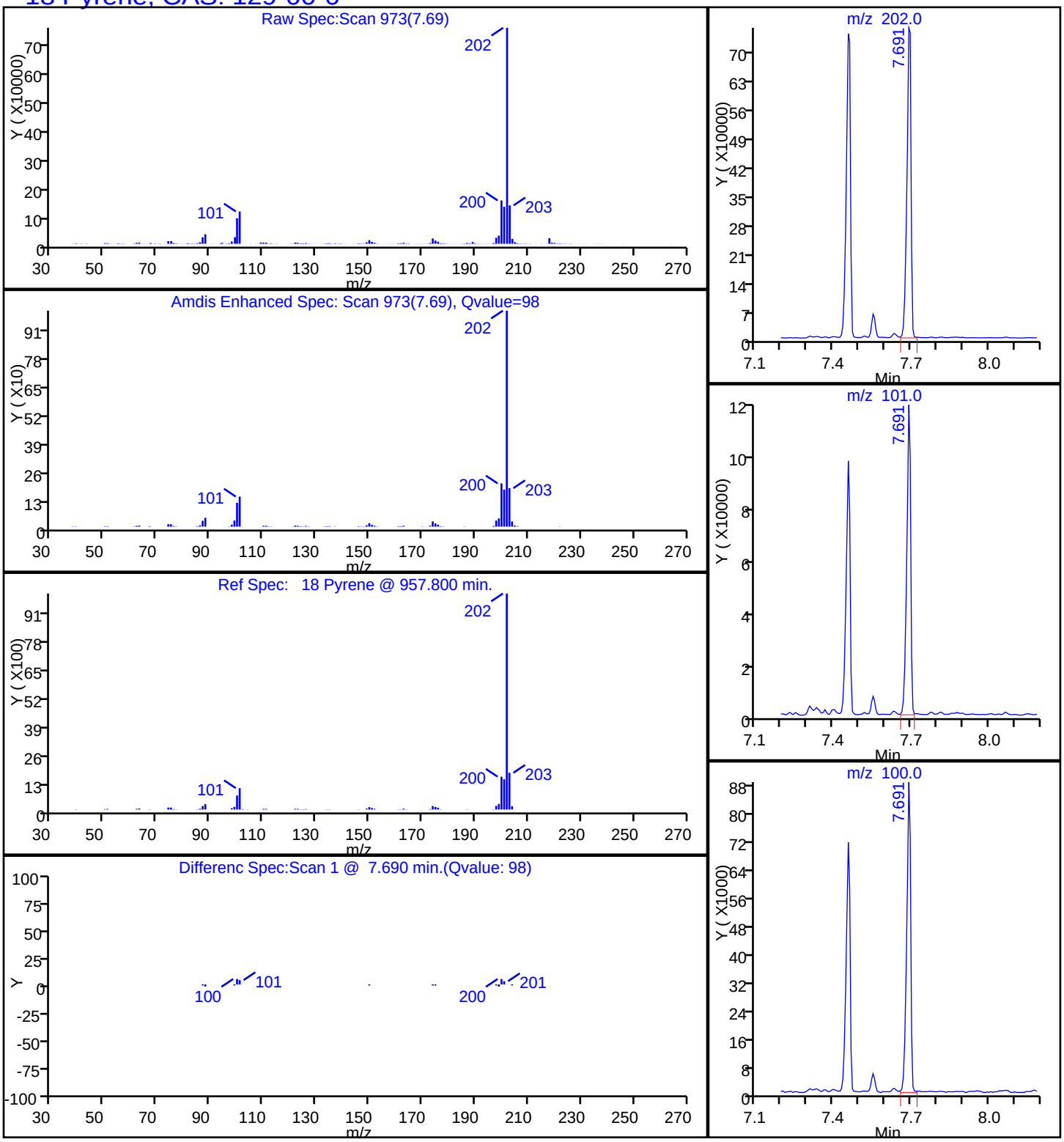


Report Date: 16-Oct-2014 08:47:26 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

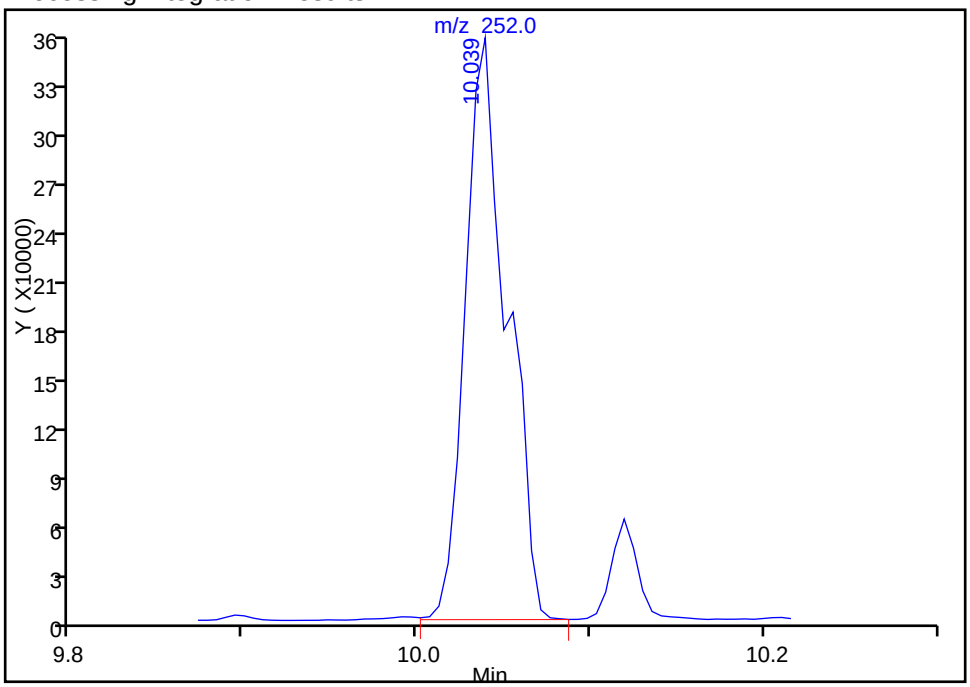
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

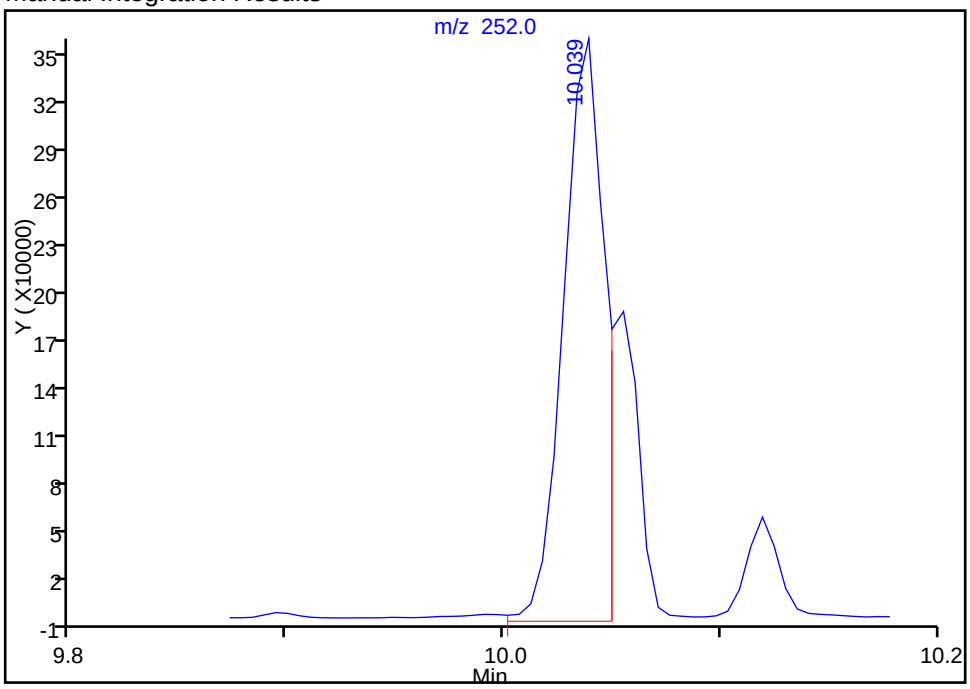
Processing Integration Results

RT: 10.04
Response: 588795
Amount: 8.231555



Manual Integration Results

RT: 10.04
Response: 475146
Amount: 6.642703



Reviewer: webbk, 16-Oct-2014 08:24:31
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

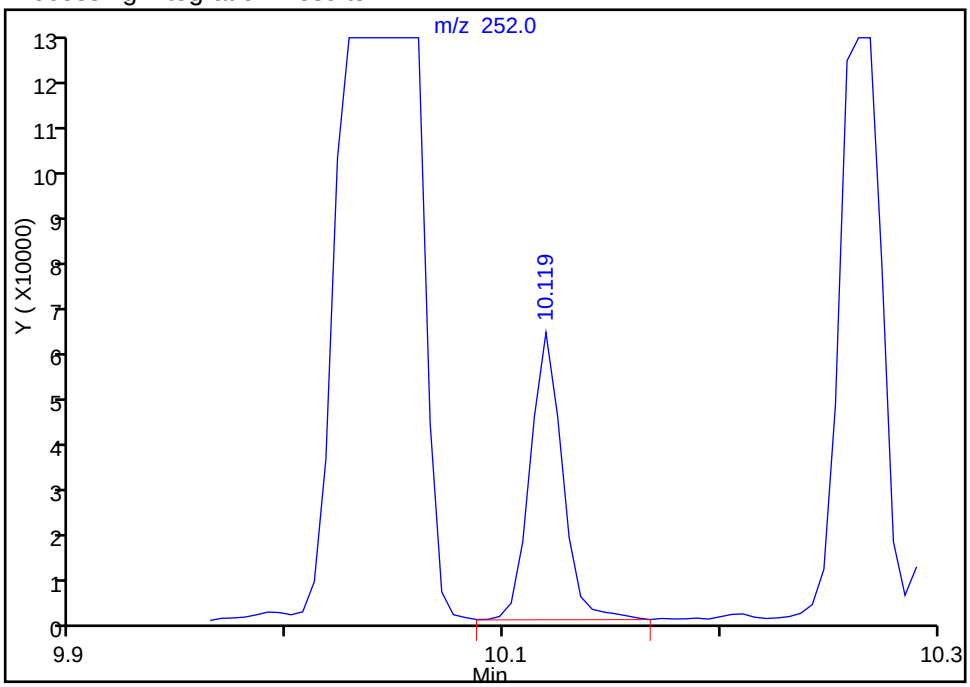
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1524.D				
Injection Date:	15-Oct-2014 21:15:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-14-A	Lab Sample ID:	680-106200-14		
Client ID:	CV0005E-CS6				
Operator ID:	RM	ALS Bottle#:	22	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

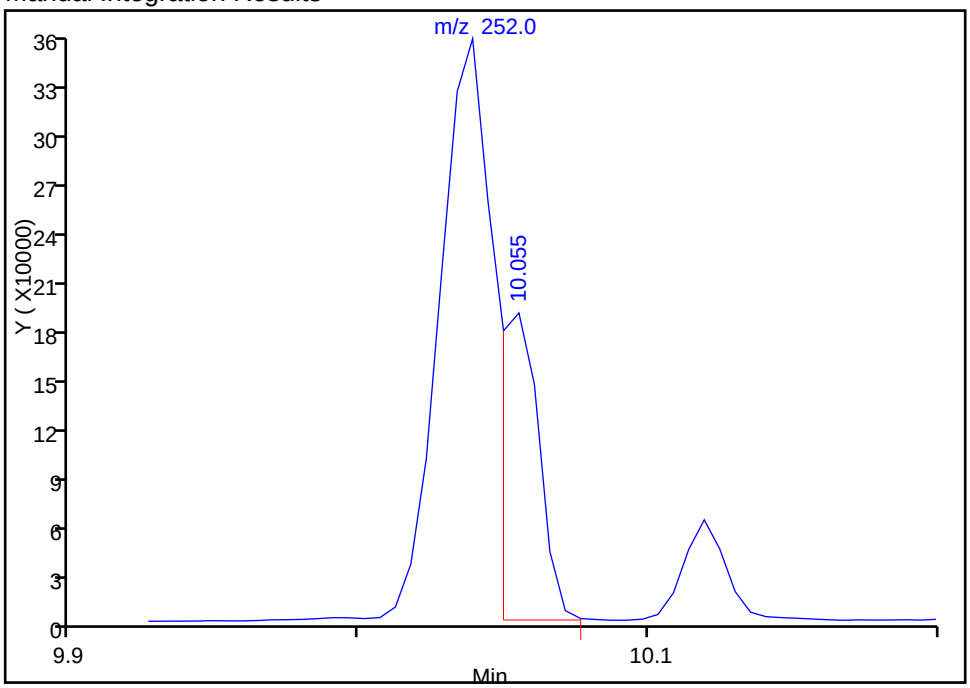
Processing Integration Results

RT: 10.12
Response: 63173
Amount: 0.911763



Manual Integration Results

RT: 10.06
Response: 177172
Amount: 2.575330



Reviewer: webbk, 16-Oct-2014 08:24:31
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005E-CS12 | Lab Sample ID: 680-106200-15

Matrix: Solid | Lab File ID: 2YJ1525.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 09:30

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

Sample wt/vol: 30.06(g) | Date Analyzed: 10/15/2014 21:38

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

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

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

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	150	U	150	73
208-96-8	Acenaphthylene	580		150	73
120-12-7	Anthracene	240		150	73
56-55-3	Benzo[a]anthracene	2100		150	73
50-32-8	Benzo[a]pyrene	2800		150	27
205-99-2	Benzo[b]fluoranthene	3800		150	73
191-24-2	Benzo[g,h,i]perylene	1900		150	73
207-08-9	Benzo[k]fluoranthene	1400		150	44
218-01-9	Chrysene	2600		150	73
53-70-3	Dibenz(a,h)anthracene	680		150	73
206-44-0	Fluoranthene	3000		150	73
86-73-7	Fluorene	87	J	150	73
193-39-5	Indeno[1,2,3-cd]pyrene	1500		150	73
90-12-0	1-Methylnaphthalene	74	J	150	69
91-57-6	2-Methylnaphthalene	85	J	150	73
91-20-3	Naphthalene	100	J	150	73
85-01-8	Phenanthrene	750		150	53
129-00-0	Pyrene	3600		150	73

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Sample Type:	Client				
Inject. Date:	15-Oct-2014 21:38:30	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Sample Info:	106200-A-15-A 1:20				
Misc. Info.:	680-0013789-025				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:27:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.861	2.856	0.005	98	146743	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	91	84005	2.00	
* 3 Phenanthrene-d10	188	6.129	6.124	0.005	98	137633	2.00	
* 4 Chrysene-d12	240	9.001	8.996	0.005	99	123756	2.00	
* 5 Perylene-d12	264	10.354	10.344	0.010	98	97389	2.00	
7 Naphthalene	128	2.877	2.877	0.000	99	11364	0.1420	
8 2-Methylnaphthalene	142	3.519	3.514	0.005	87	6113	0.1152	
9 1-Methylnaphthalene	142	3.610	3.605	0.005	91	4942	0.1004	
11 Acenaphthylene	152	4.401	4.396	0.005	98	63556	0.7808	
12 Acenaphthene	153	4.583	4.584	-0.001	94	3122	0.0597	
14 Fluorene	166	5.134	5.129	0.005	95	6791	0.1176	
15 Phenanthrene	178	6.150	6.151	-0.001	96	83537	1.01	
16 Anthracene	178	6.204	6.204	0.000	99	26154	0.3193	
17 Fluoranthene	202	7.450	7.445	0.005	98	355146	4.07	
18 Pyrene	202	7.685	7.680	0.005	98	396639	4.92	
19 Benzo[a]anthracene	228	8.996	8.991	0.005	98	204019	2.82	
20 Chrysene	228	9.028	9.023	0.005	99	233997	3.46	
21 Benzo[b]fluoranthene	252	10.034	10.023	0.011	98	328835	5.13	M
22 Benzo[k]fluoranthene	252	10.055	10.050	0.005	99	115473	1.87	M
23 Benzo[a]pyrene	252	10.306	10.296	0.010	97	196228	3.72	
24 Indeno[1,2,3-cd]pyrene	276	11.210	11.200	0.010	99	133596	1.97	
25 Dibenz(a,h)anthracene	278	11.232	11.227	0.005	98	42198	0.9156	
26 Benzo[g,h,i]perylene	276	11.435	11.424	0.011	98	124004	2.57	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

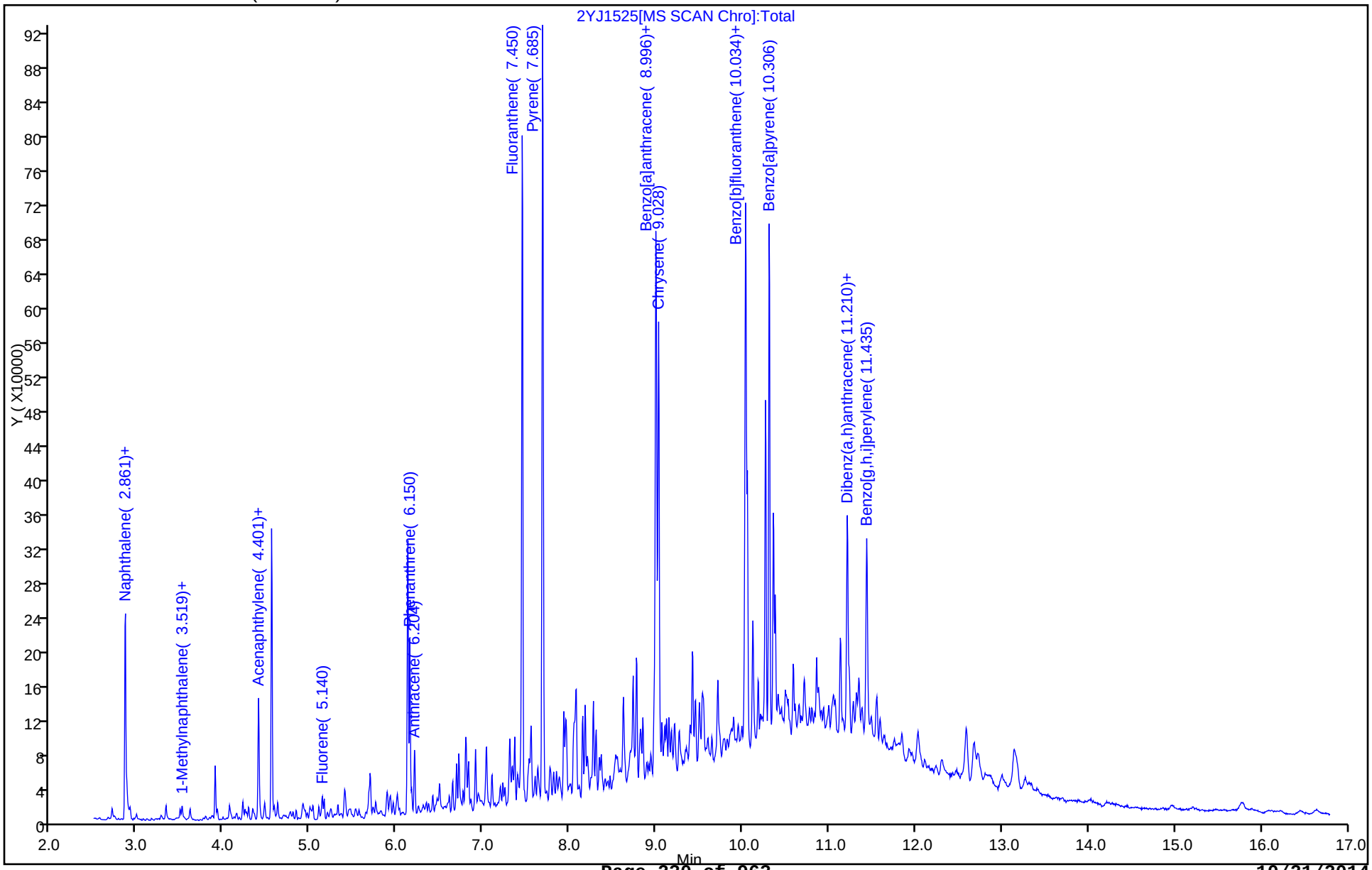
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:27 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15	Worklist Smp#:	25
Client ID:	CV0005E-CS12				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	23
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

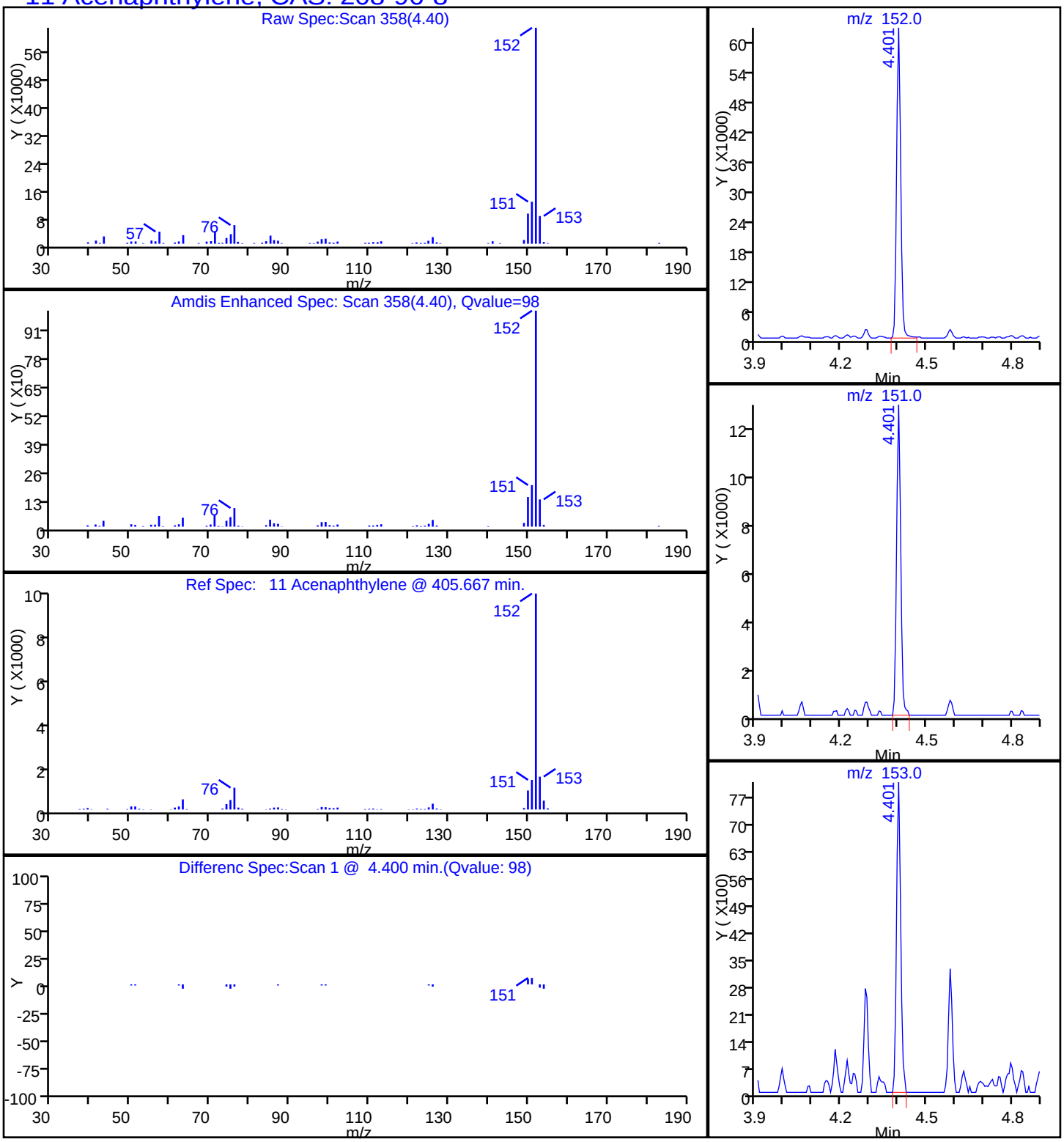


Report Date: 16-Oct-2014 08:47:27 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

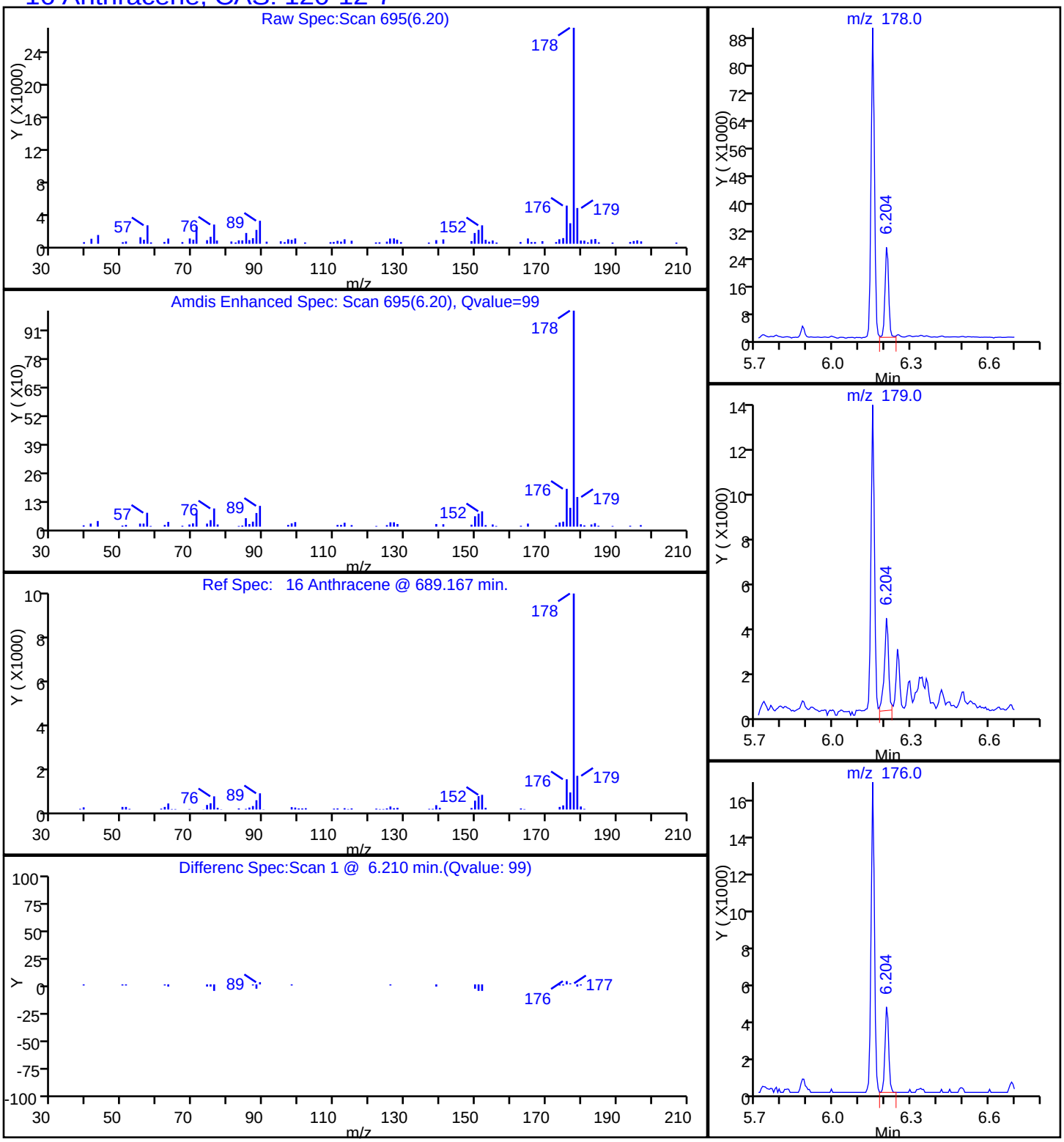


Report Date: 16-Oct-2014 08:47:27 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

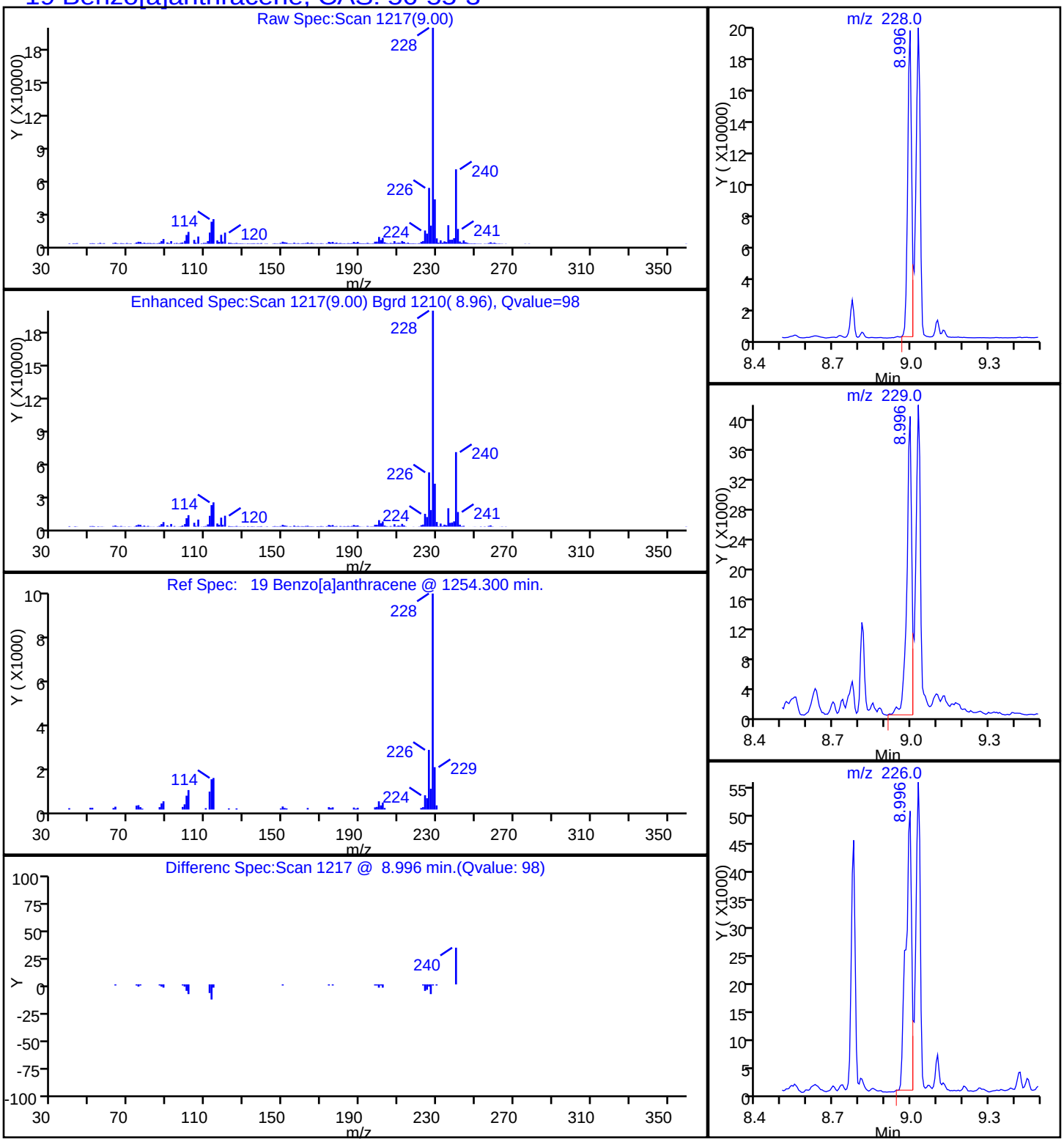


Report Date: 16-Oct-2014 08:47:27 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

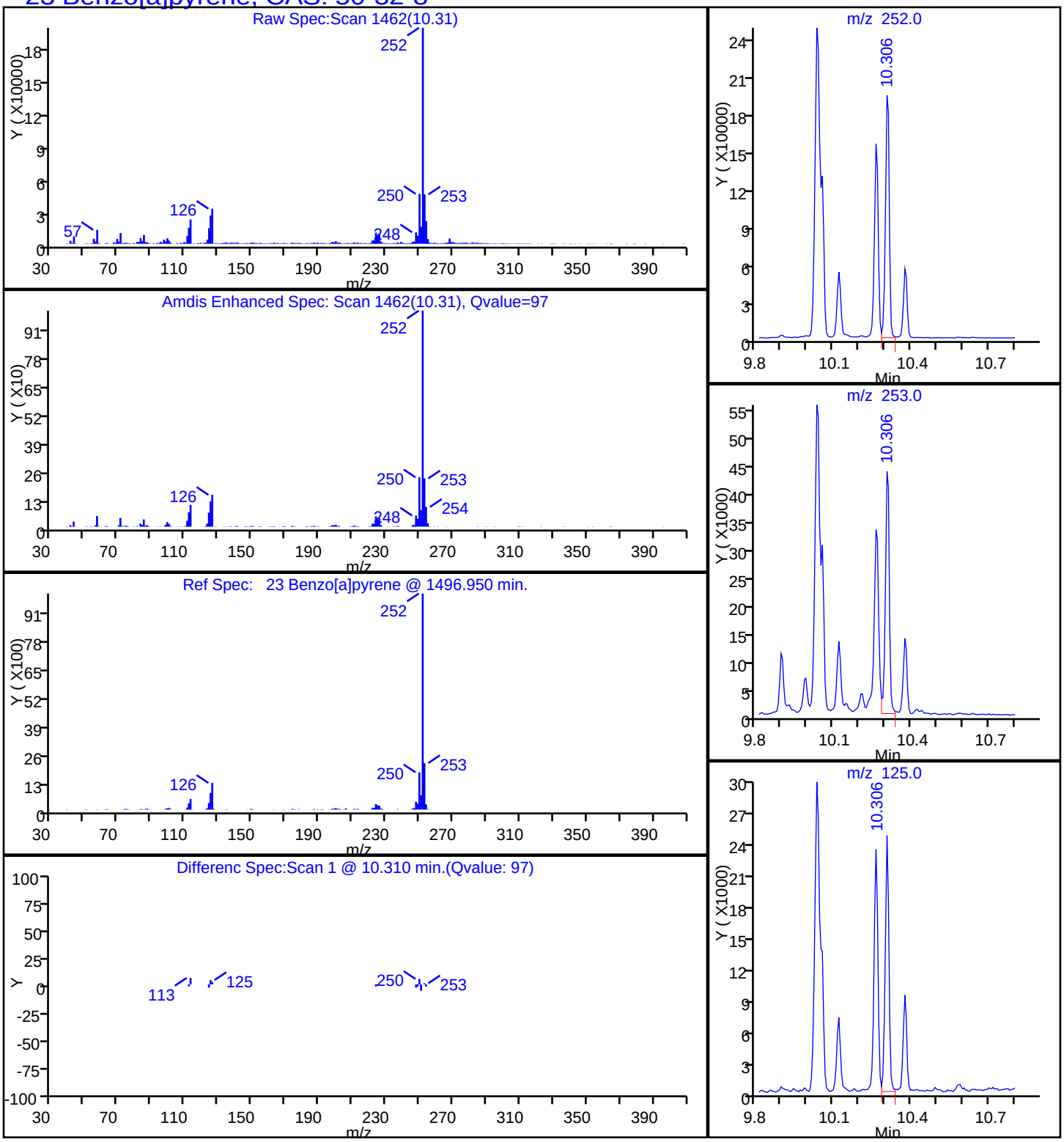


Report Date: 16-Oct-2014 08:47:27 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

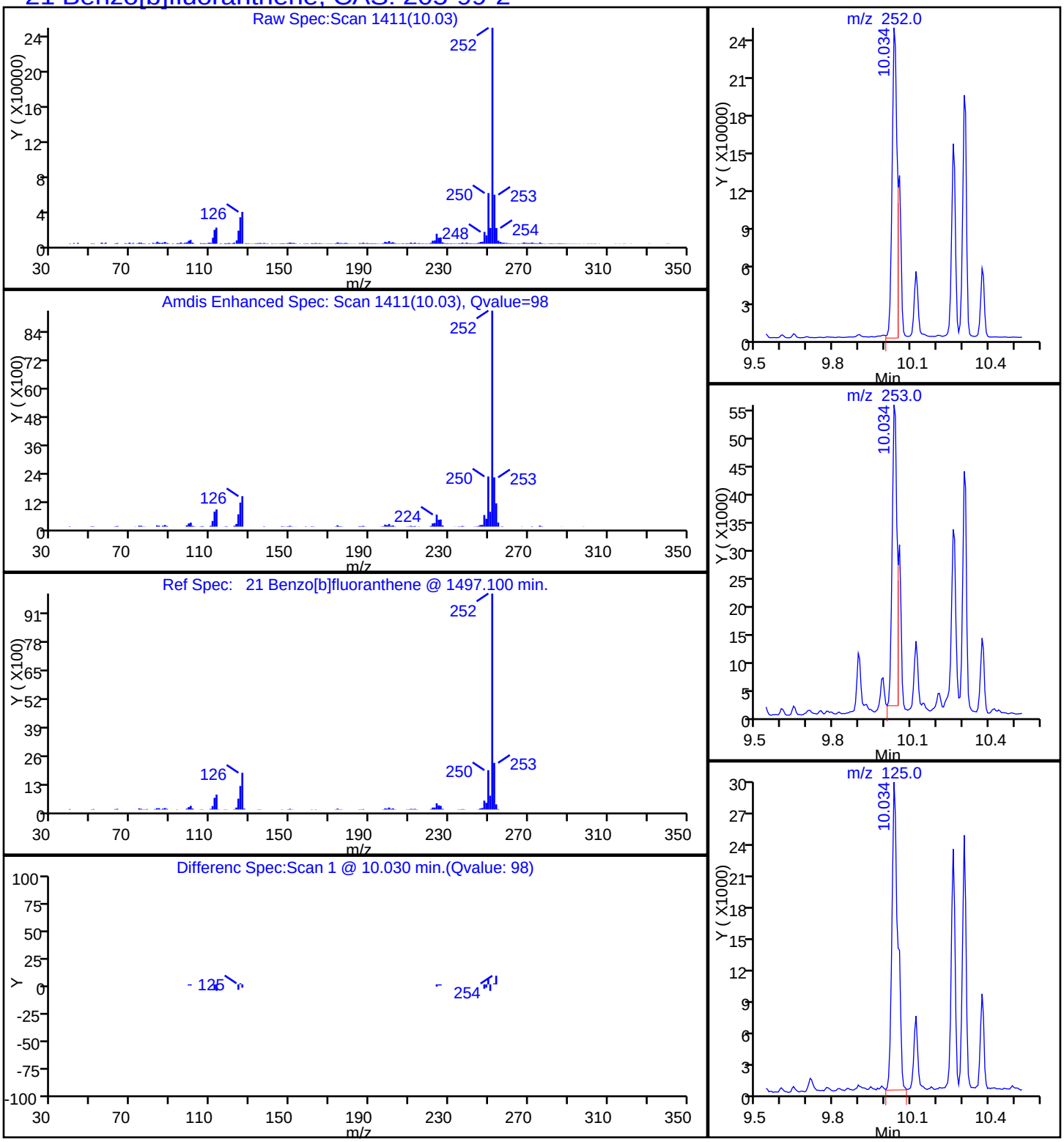


Report Date: 16-Oct-2014 08:47:27 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

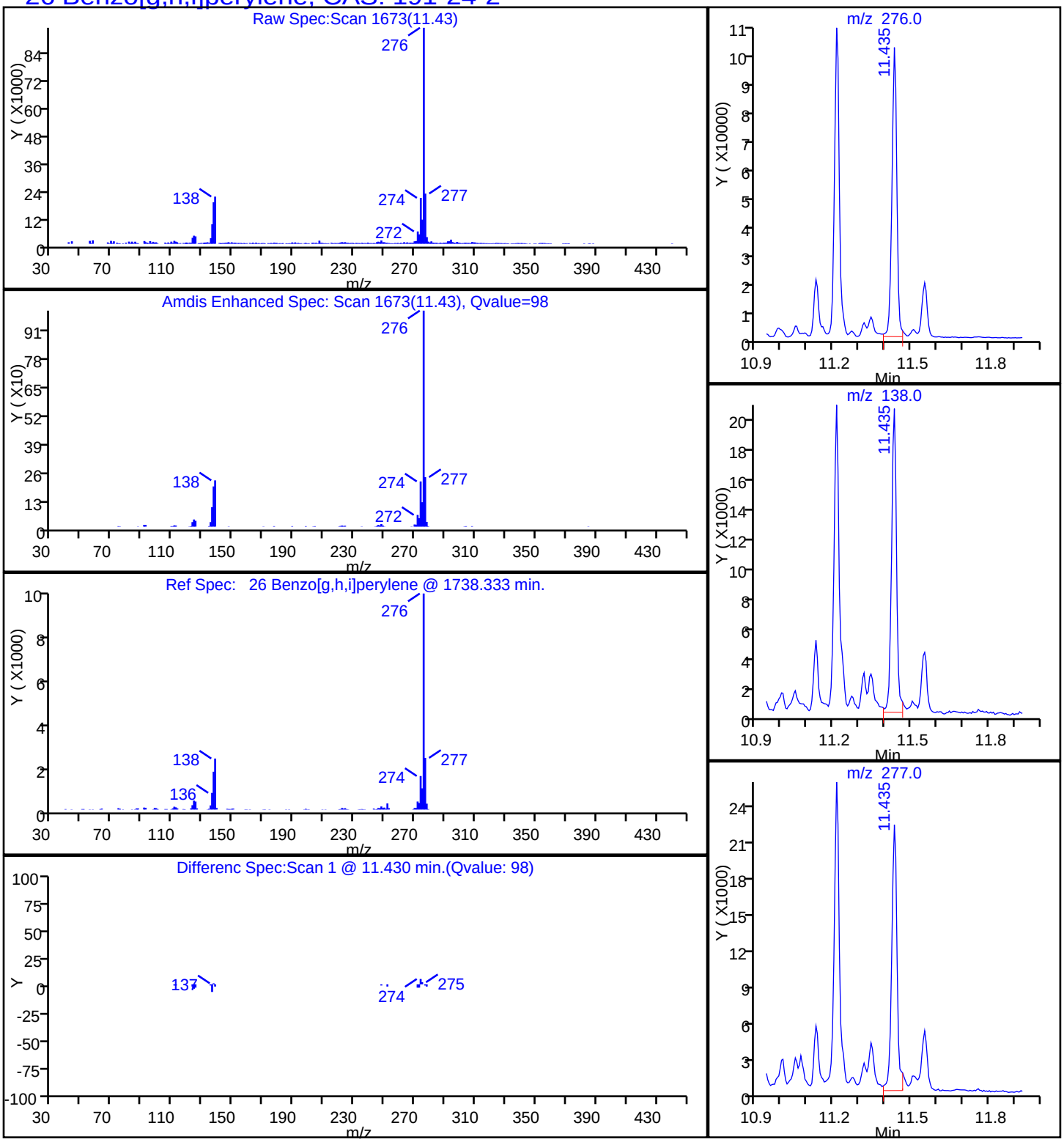


Report Date: 16-Oct-2014 08:47:27 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

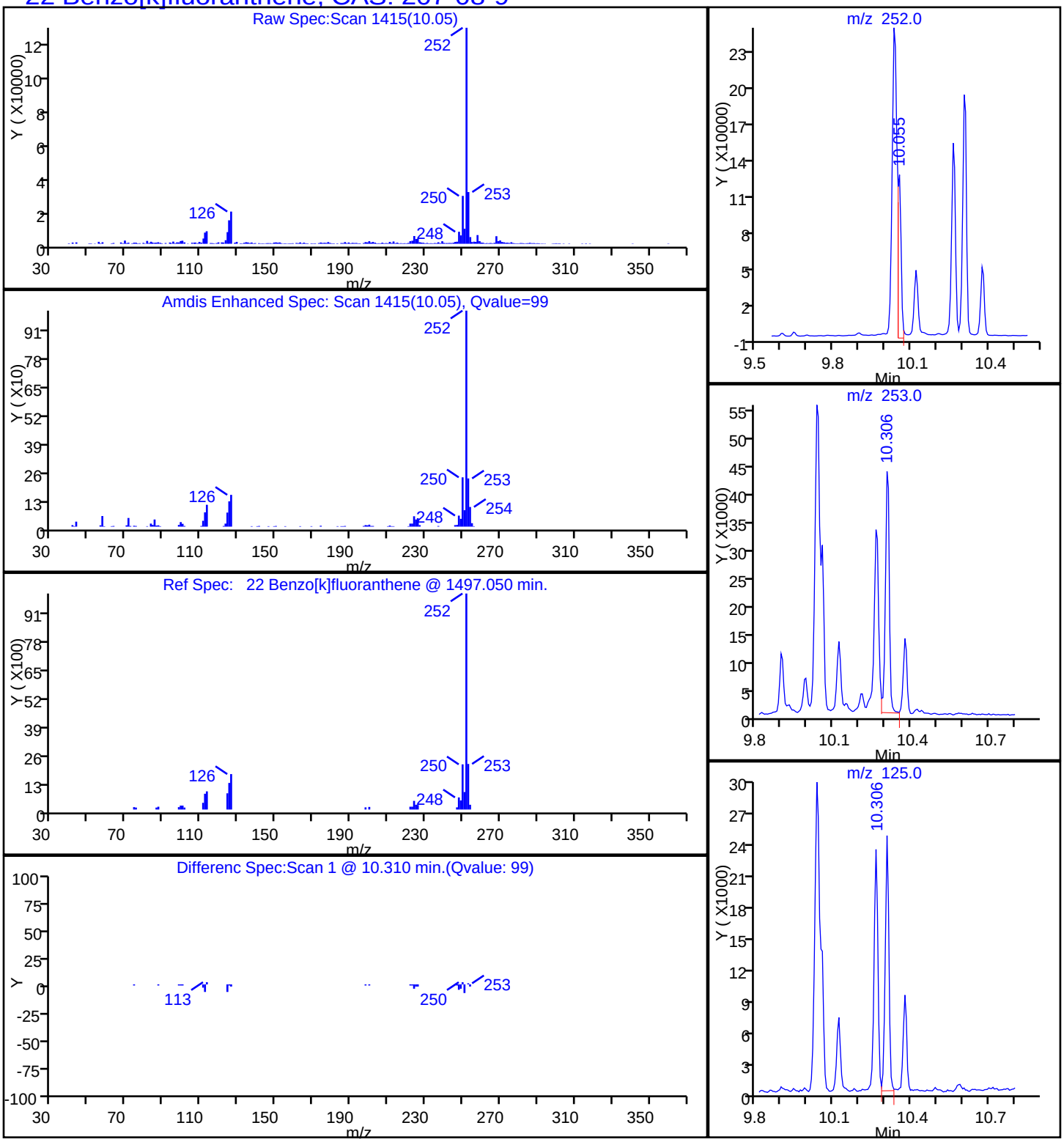


Report Date: 16-Oct-2014 08:47:27 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
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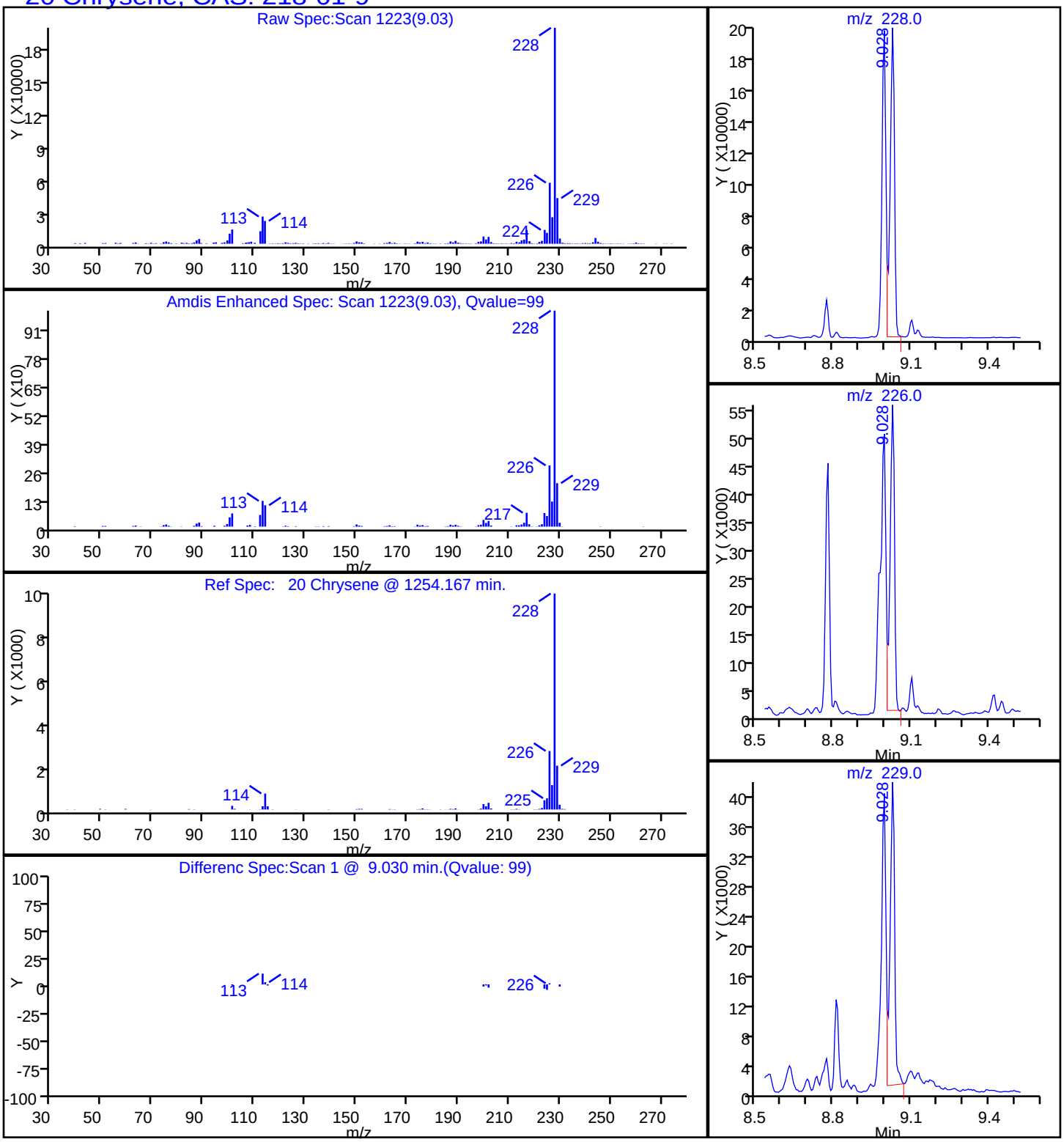
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9



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TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
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Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
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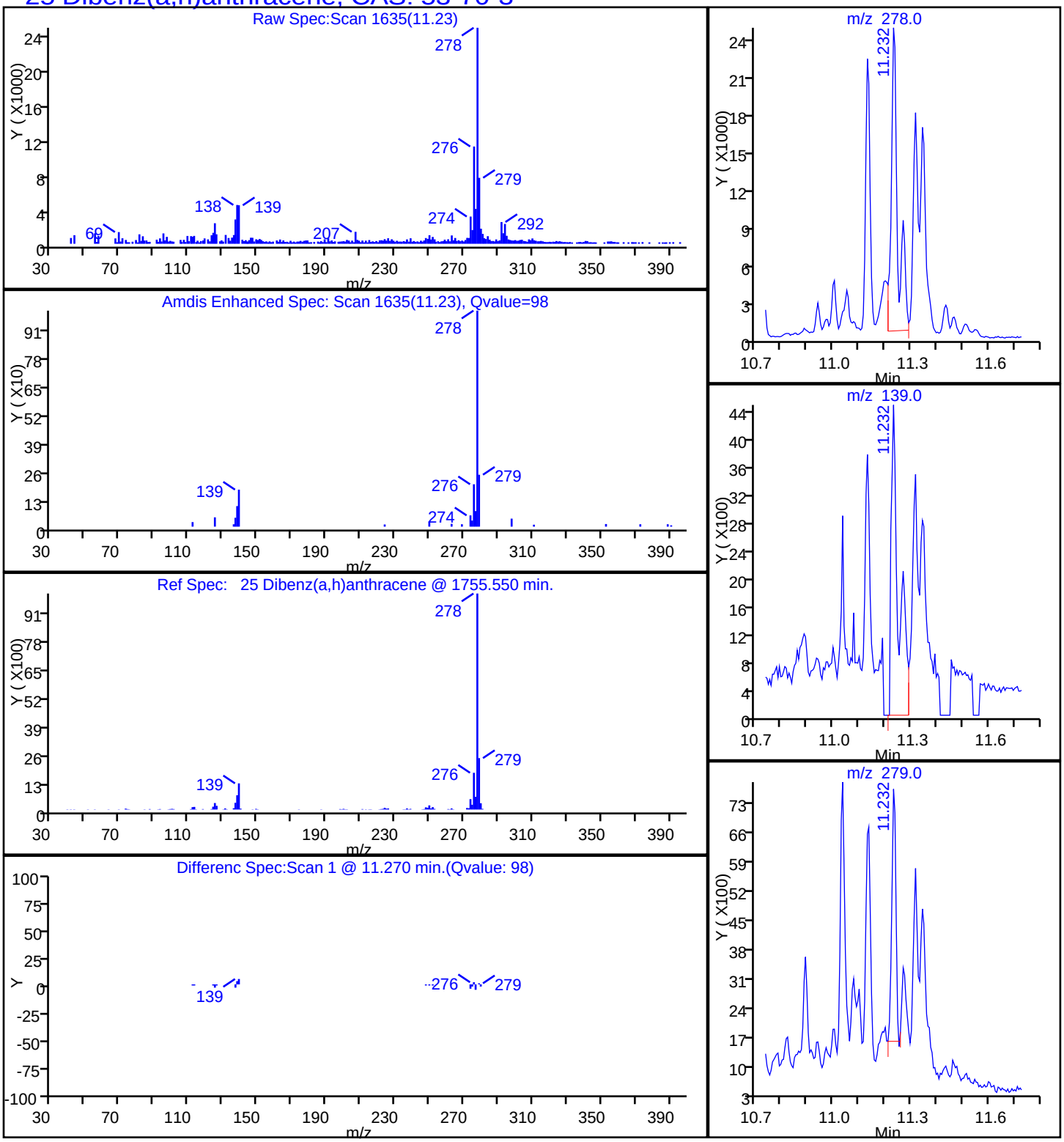
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
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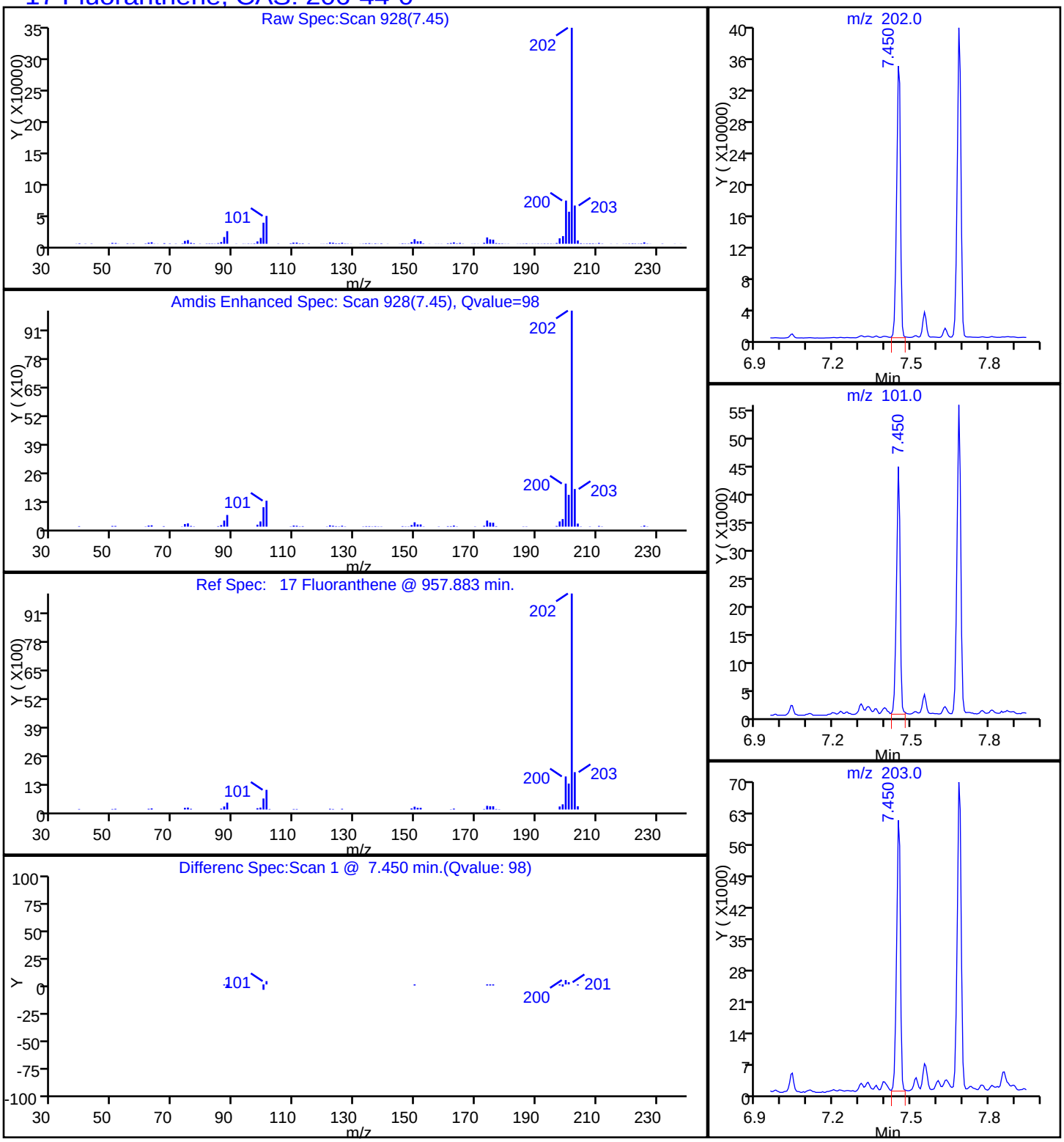
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0



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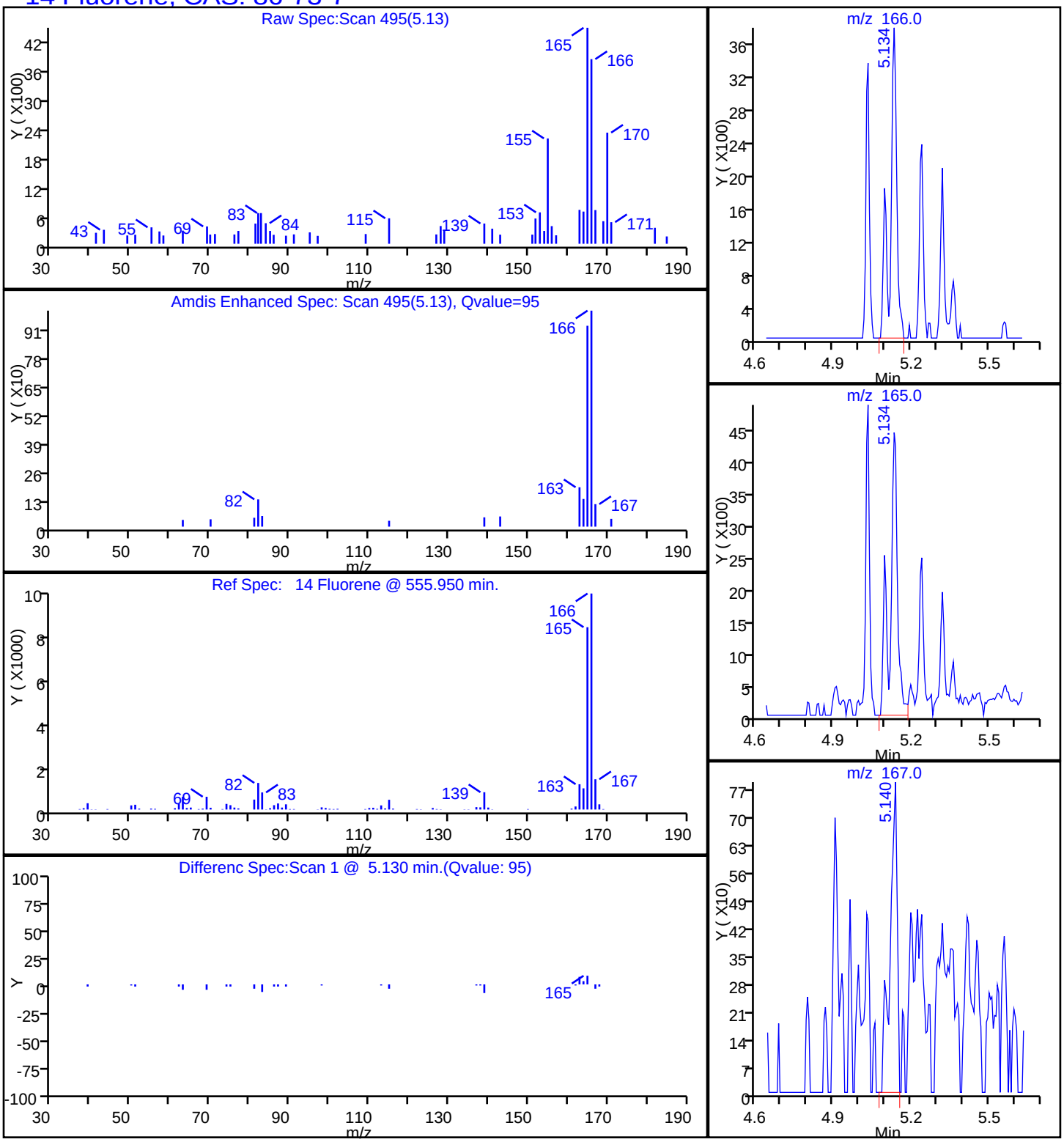
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7



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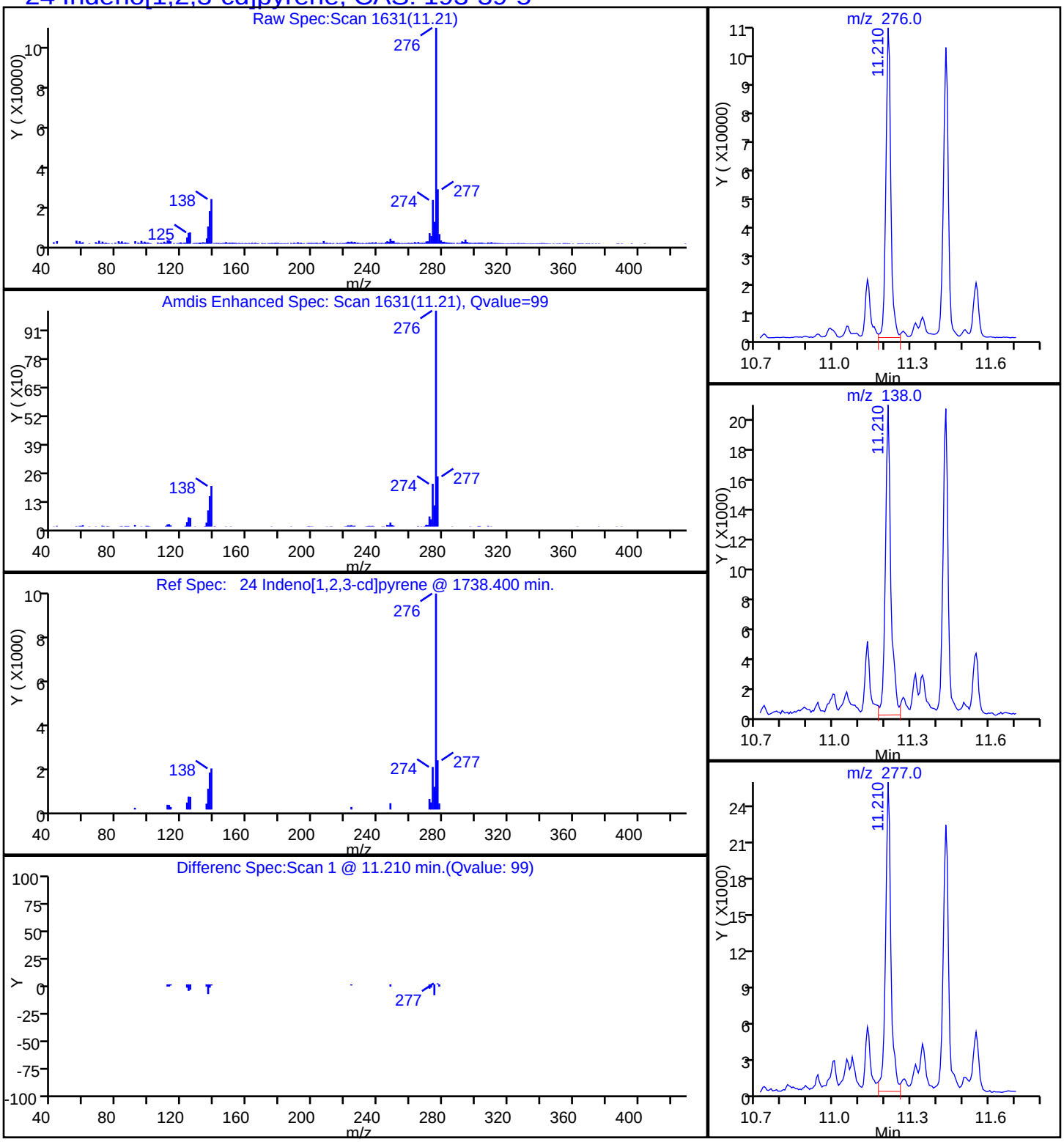
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

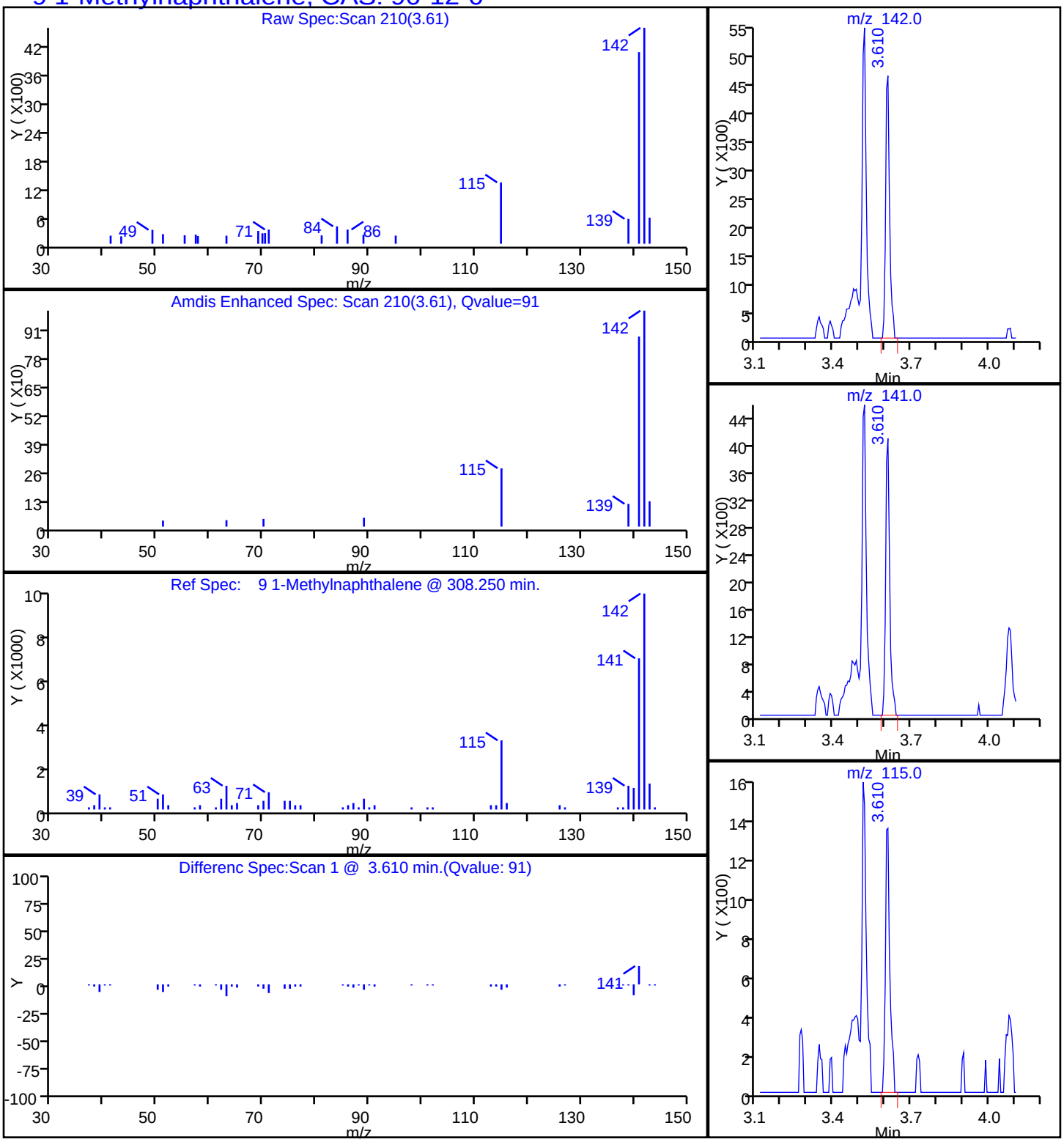


Report Date: 16-Oct-2014 08:47:27 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

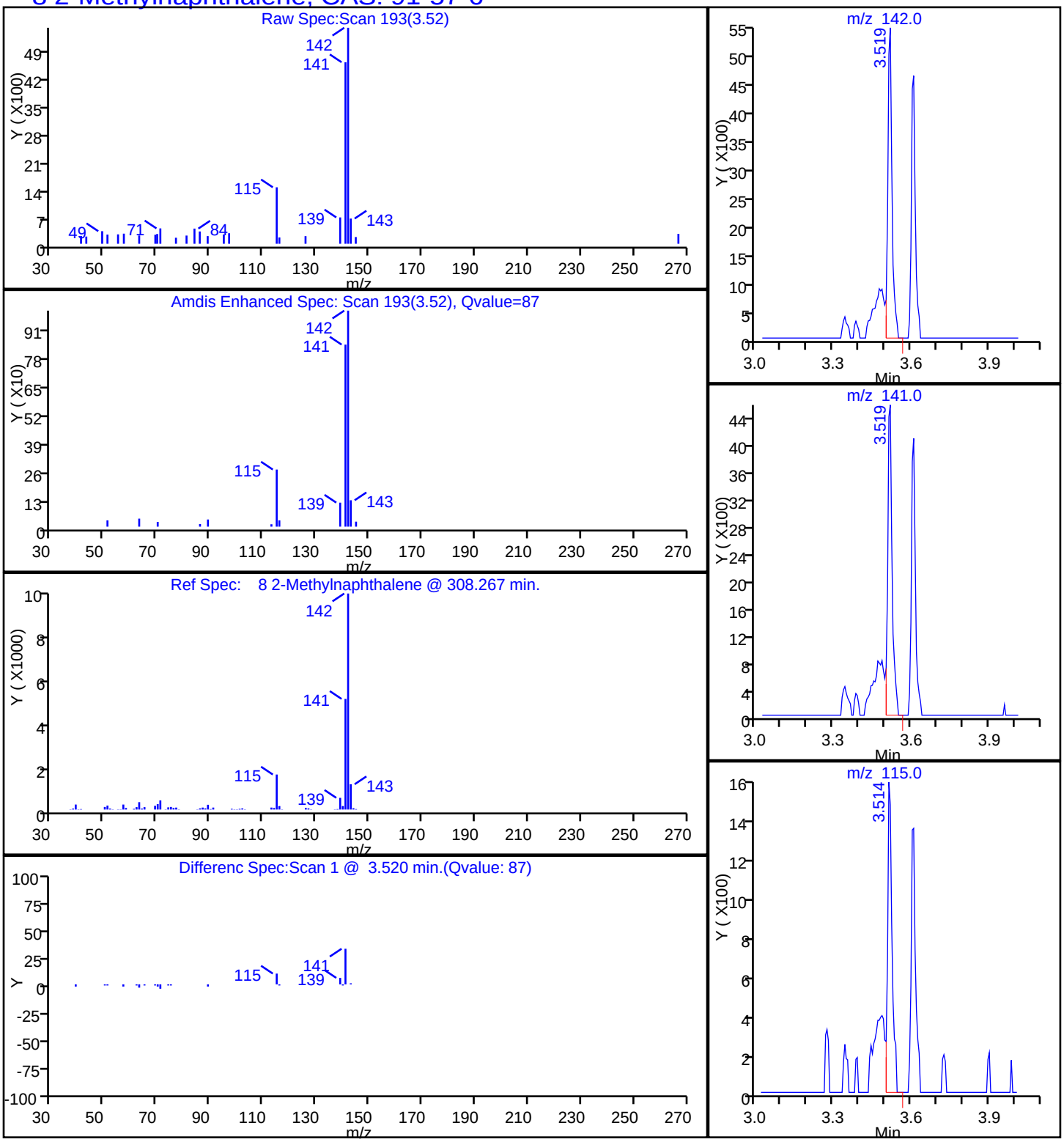


Report Date: 16-Oct-2014 08:47:27 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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



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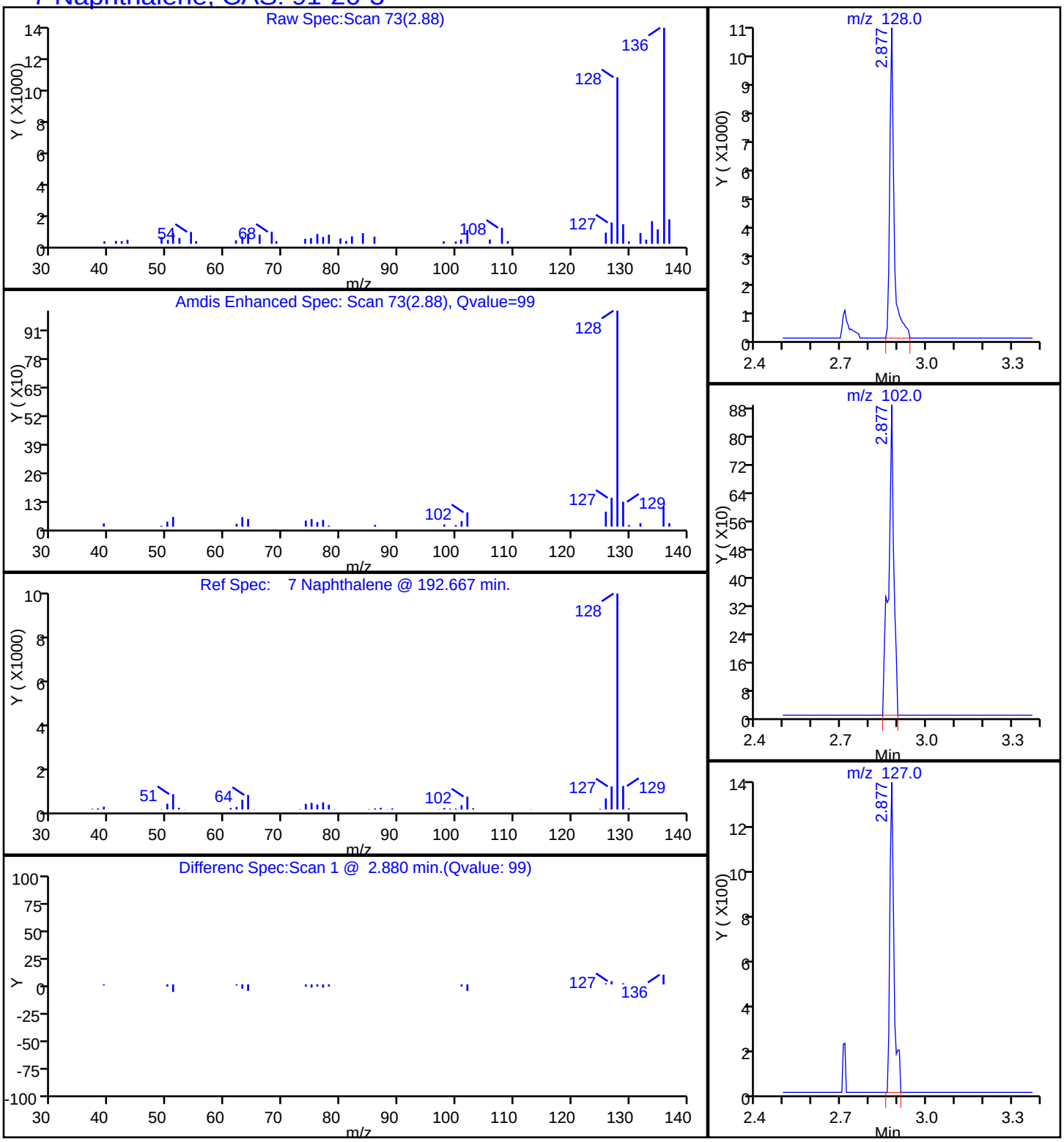
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

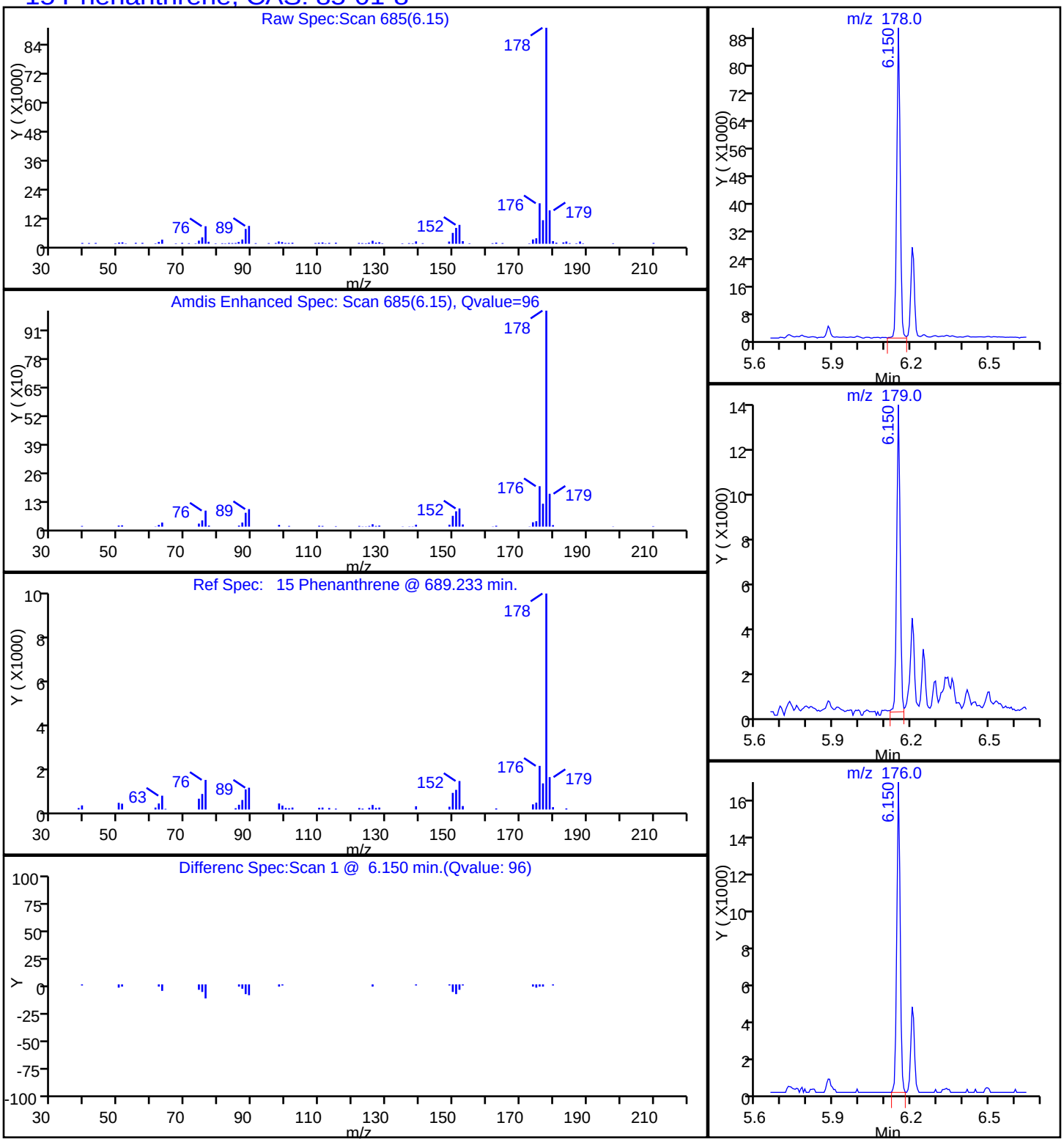


Report Date: 16-Oct-2014 08:47:27 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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



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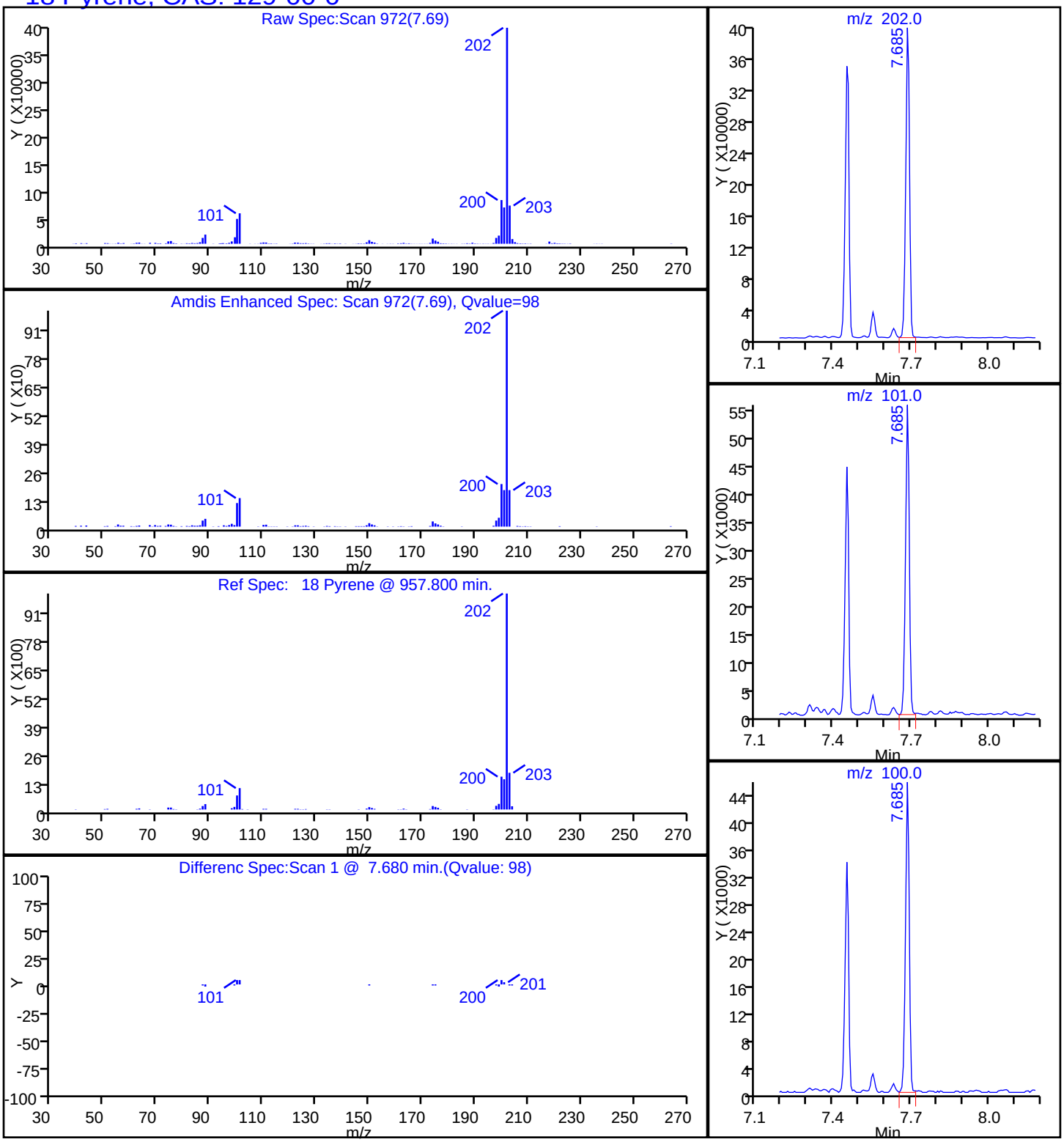
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

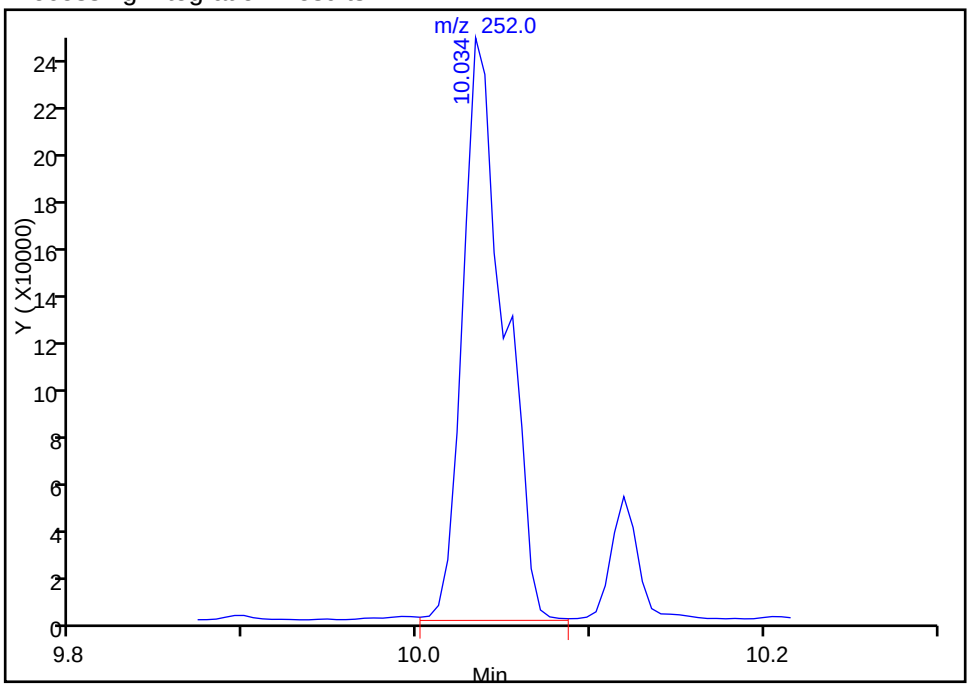
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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: 10.03
Response: 402665
Amount: 6.286385



Manual Integration Results

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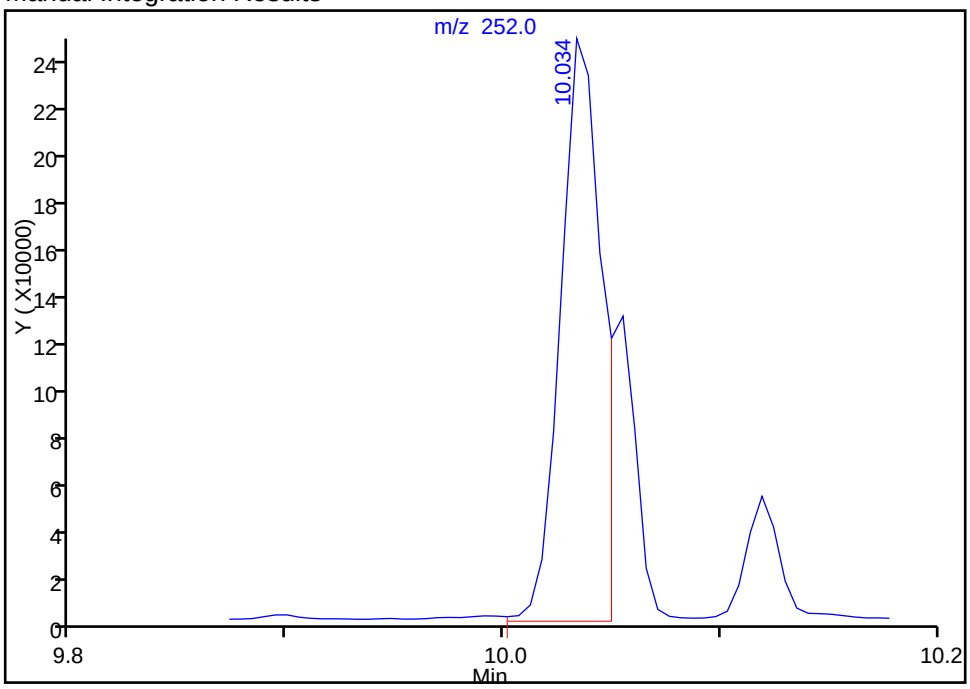

Reviewer: webbk, 16-Oct-2014 08:27:07
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1525.D				
Injection Date:	15-Oct-2014 21:38:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-15-A	Lab Sample ID:	680-106200-15		
Client ID:	CV0005E-CS12				
Operator ID:	RM	ALS Bottle#:	23	Worklist Smp#:	25
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

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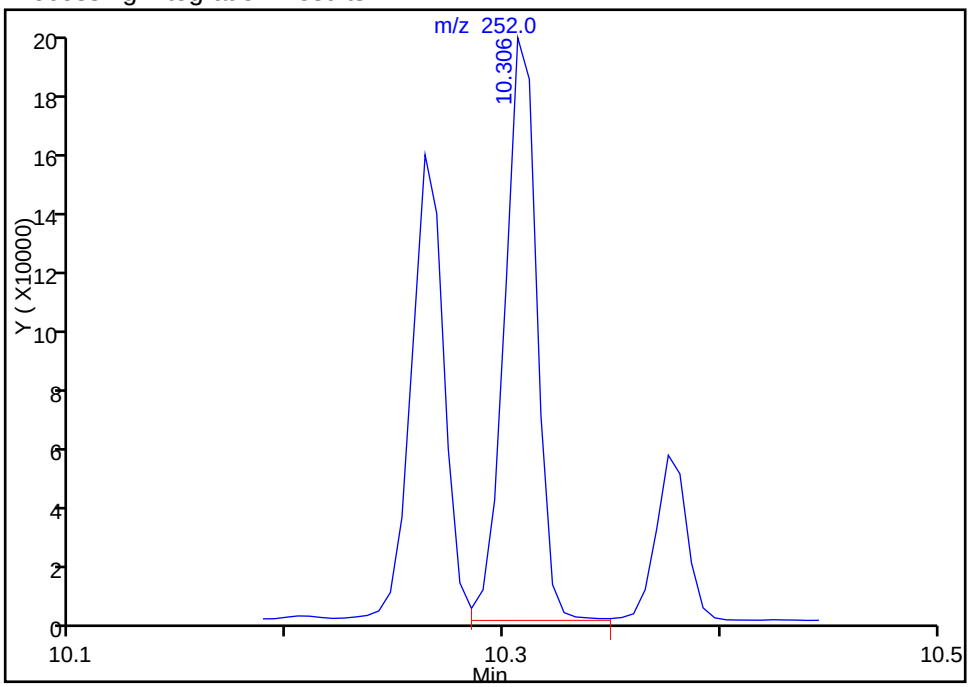
Amount: 3.197508



Manual Integration Results

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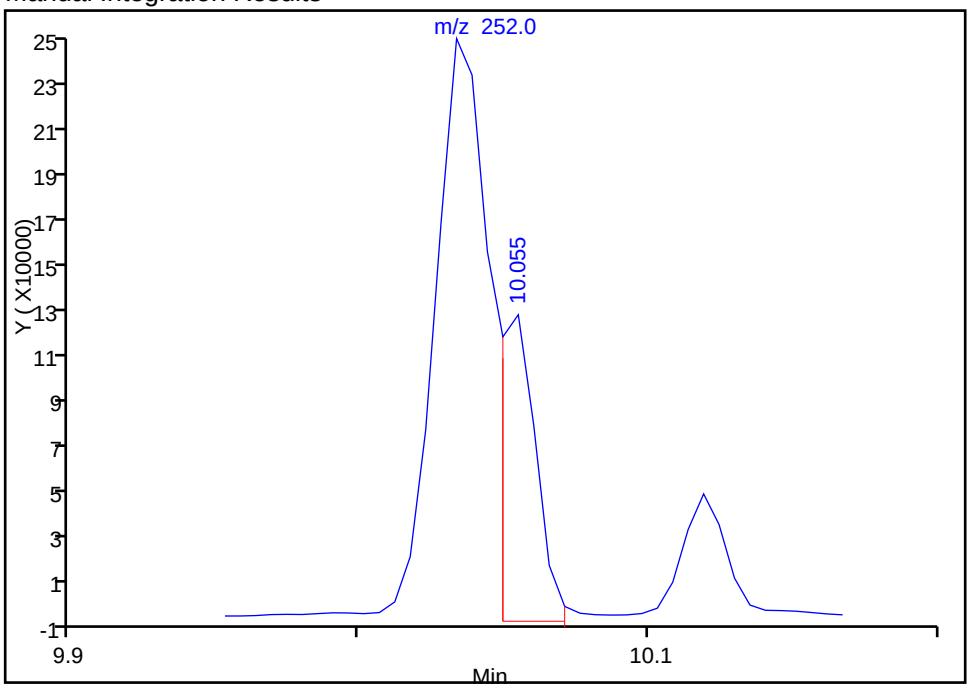
Amount: 1.868717



Reviewer: webbk, 16-Oct-2014 08:27:07
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005E-CS18 | Lab Sample ID: 680-106200-16

Matrix: Solid | Lab File ID: 1YJ1605.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 09:40

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

Sample wt/vol: 30.04(g) | Date Analyzed: 10/16/2014 10:46

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

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

% Moisture: 9.8 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	370	U	370	180
208-96-8	Acenaphthylene	1200		370	180
120-12-7	Anthracene	650		370	180
56-55-3	Benzo[a]anthracene	7200		370	180
50-32-8	Benzo[a]pyrene	6800		370	66
205-99-2	Benzo[b]fluoranthene	10000		370	180
191-24-2	Benzo[g,h,i]perylene	4600		370	180
207-08-9	Benzo[k]fluoranthene	3400		370	110
218-01-9	Chrysene	7400		370	180
53-70-3	Dibenz(a,h)anthracene	1600		370	180
206-44-0	Fluoranthene	11000		370	180
86-73-7	Fluorene	220	J	370	180
193-39-5	Indeno[1,2,3-cd]pyrene	4000		370	180
90-12-0	1-Methylnaphthalene	370	U	370	170
91-57-6	2-Methylnaphthalene	370	U	370	180
91-20-3	Naphthalene	230	J	370	180
85-01-8	Phenanthrene	2700		370	130
129-00-0	Pyrene	13000		370	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\CMSY\20141016-13814.b\1YJ1605.D				
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Sample Type:	Client				
Inject. Date:	16-Oct-2014 10:46:30	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Sample Info:	106200-A-16-A 1:50				
Misc. Info.:	680-0013814-005				
Operator ID:	RM	Instrument ID:	CMSY		
Method:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\8270D_LLPAH_MSY.m				
Limit Group:	8270D_LL_PAH				
Last Update:	16-Oct-2014 11:47:40	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:	XAWRK010				

First Level Reviewer: webbk Date: 16-Oct-2014 11:47:14

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	122041	2.00	
* 2 Acenaphthene-d10	164	4.487	4.487	0.000	91	67031	2.00	
* 3 Phenanthrene-d10	188	6.055	6.054	0.001	97	108096	2.00	
* 4 Chrysene-d12	240	8.927	8.927	0.000	99	95042	2.00	
* 5 Perylene-d12	264	10.275	10.269	0.006	98	83655	2.00	
7 Naphthalene	128	2.819	2.819	0.000	71	8225	0.1236	
8 2-Methylnaphthalene	142	3.455	3.455	0.000	48	3780	0.0856	
9 1-Methylnaphthalene	142	3.546	3.546	0.000	11	2694	0.0658	
11 Acenaphthylene	152	4.338	4.338	0.000	95	42204	0.6497	
12 Acenaphthene	153	4.519	4.519	0.000	55	2526	0.0605	
14 Fluorene	166	5.065	5.065	0.000	61	5540	0.1203	
15 Phenanthrene	178	6.081	6.081	0.000	94	96353	1.49	
16 Anthracene	178	6.135	6.135	0.000	93	22747	0.3536	
17 Fluoranthene	202	7.376	7.376	0.000	98	409110	5.97	
18 Pyrene	202	7.611	7.606	0.005	98	430075	6.96	
19 Benzo[a]anthracene	228	8.916	8.916	0.000	98	217037	3.90	
20 Chrysene	228	8.953	8.953	0.000	95	208915	4.03	
21 Benzo[b]fluoranthene	252	9.954	9.948	0.006	95	299641	5.45	
22 Benzo[k]fluoranthene	252	9.975	9.975	0.000	99	97871	1.84	M
23 Benzo[a]pyrene	252	10.226	10.221	0.005	97	166338	3.68	
24 Indeno[1,2,3-cd]pyrene	276	11.114	11.109	0.005	95	112274	2.15	
25 Dibenz(a,h)anthracene	278	11.136	11.136	0.000	96	34886	0.8813	
26 Benzo[g,h,i]perylene	276	11.328	11.323	0.005	90	102141	2.47	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

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

Report Date: 16-Oct-2014 11:47:41 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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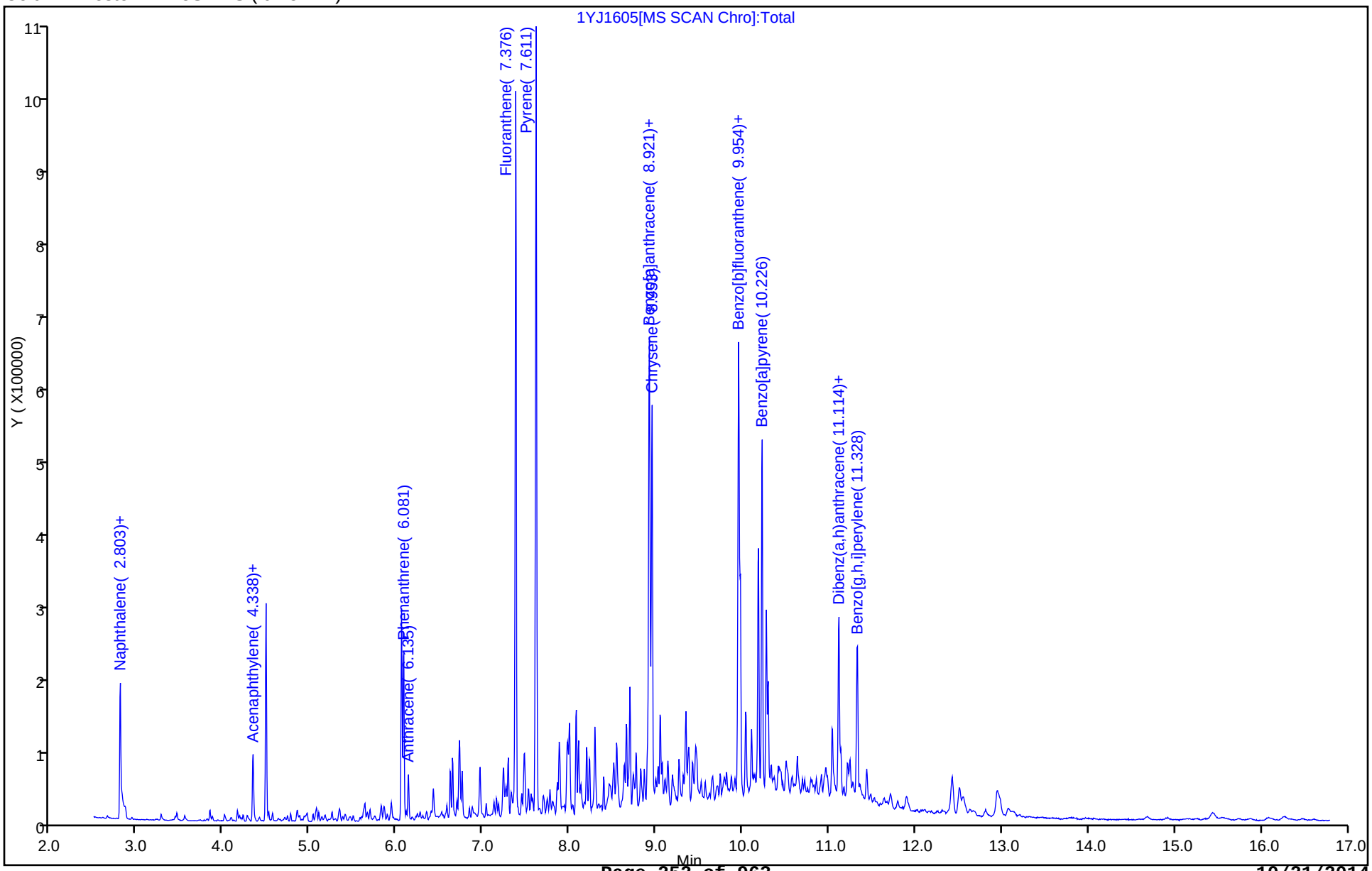
Injection Date:	16-Oct-2014 10:46:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16	Worklist Smp#:	5
Client ID:	CV0005E-CS18				
Injection Vol:	2.0 ul	Dil. Factor:	50.0000	ALS Bottle#:	5
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



Report Date: 16-Oct-2014 11:47:42 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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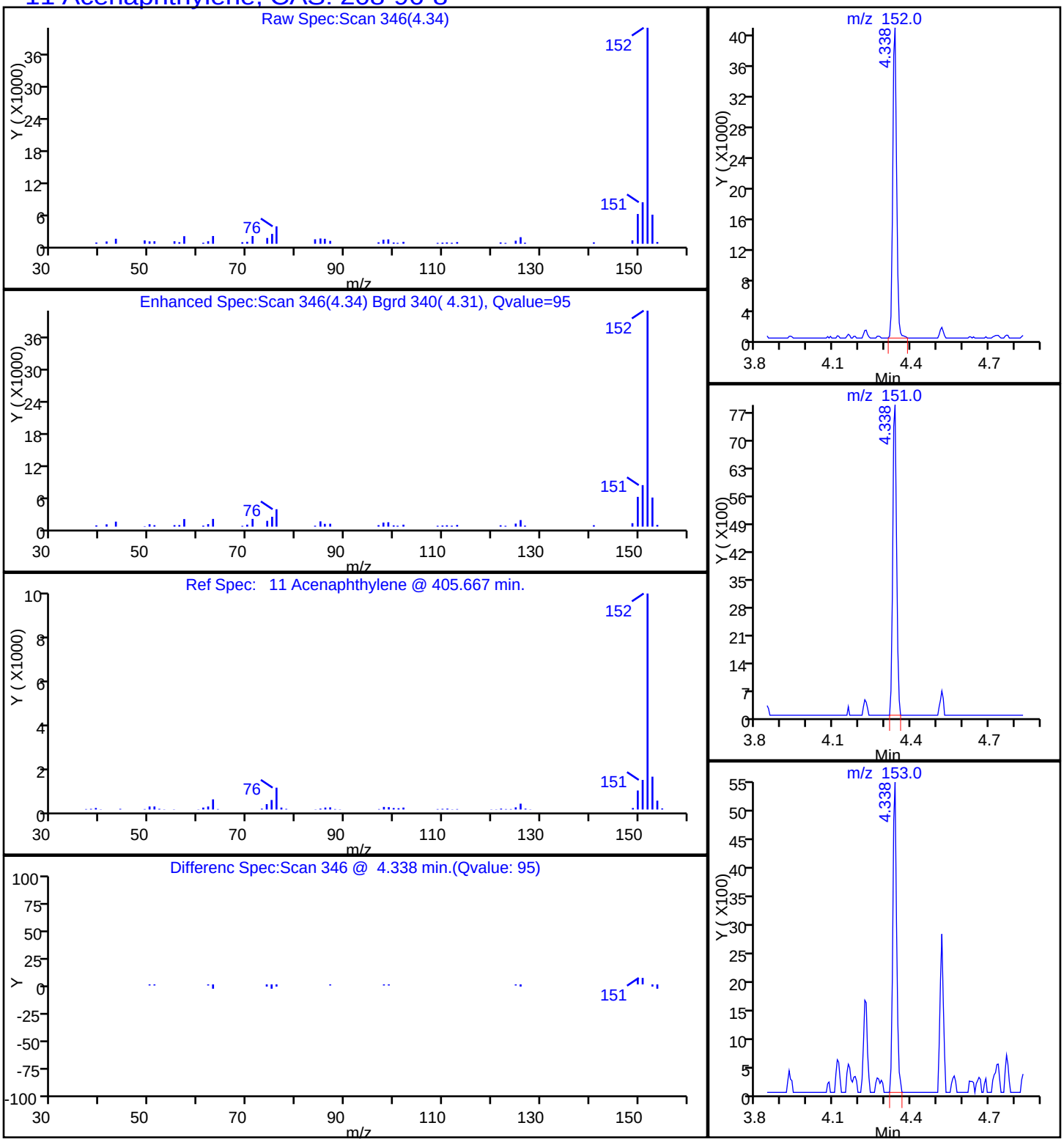
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

11 Acenaphthylene, CAS: 208-96-8



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TestAmerica Savannah

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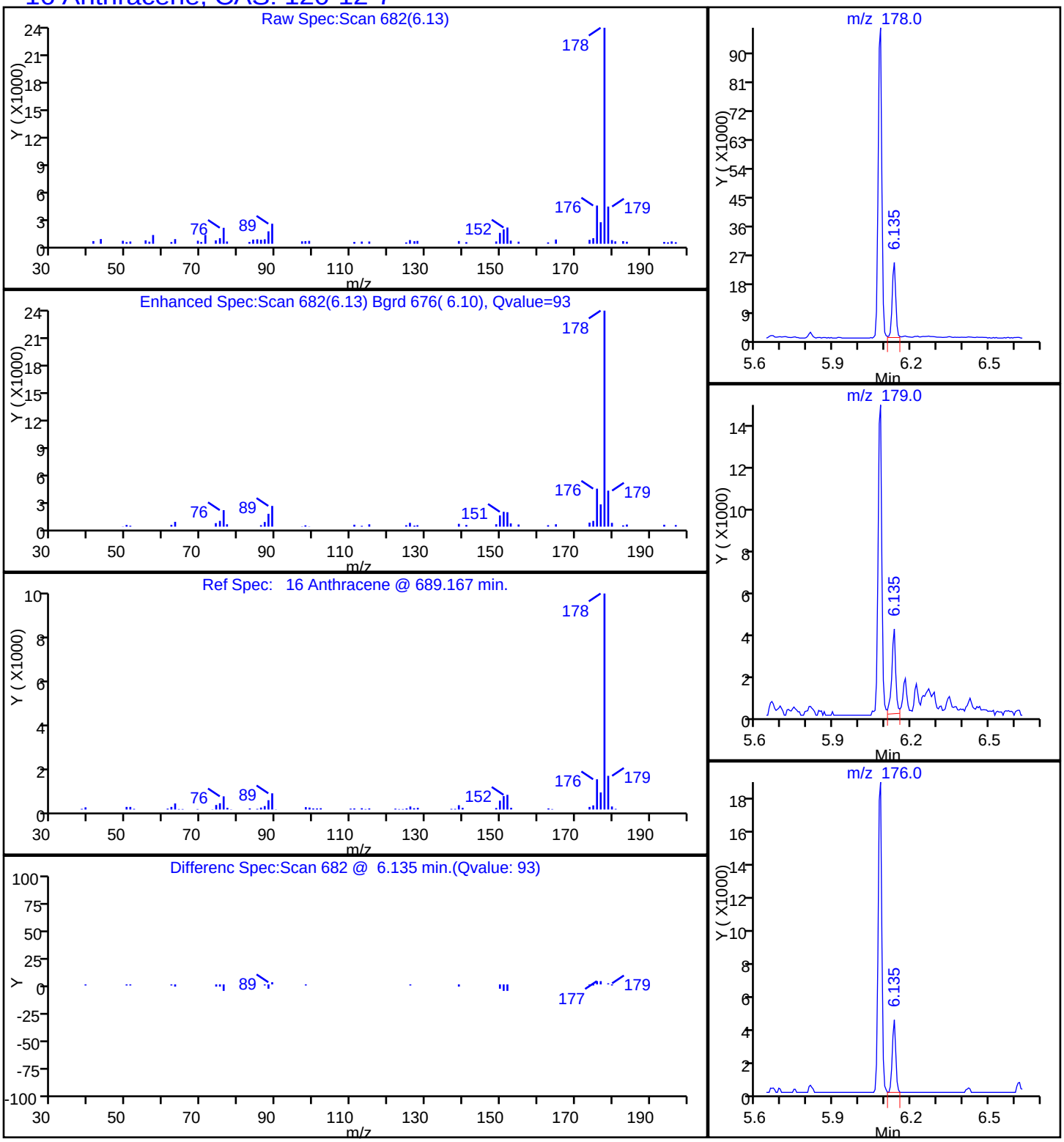
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7



Report Date: 16-Oct-2014 11:47:42 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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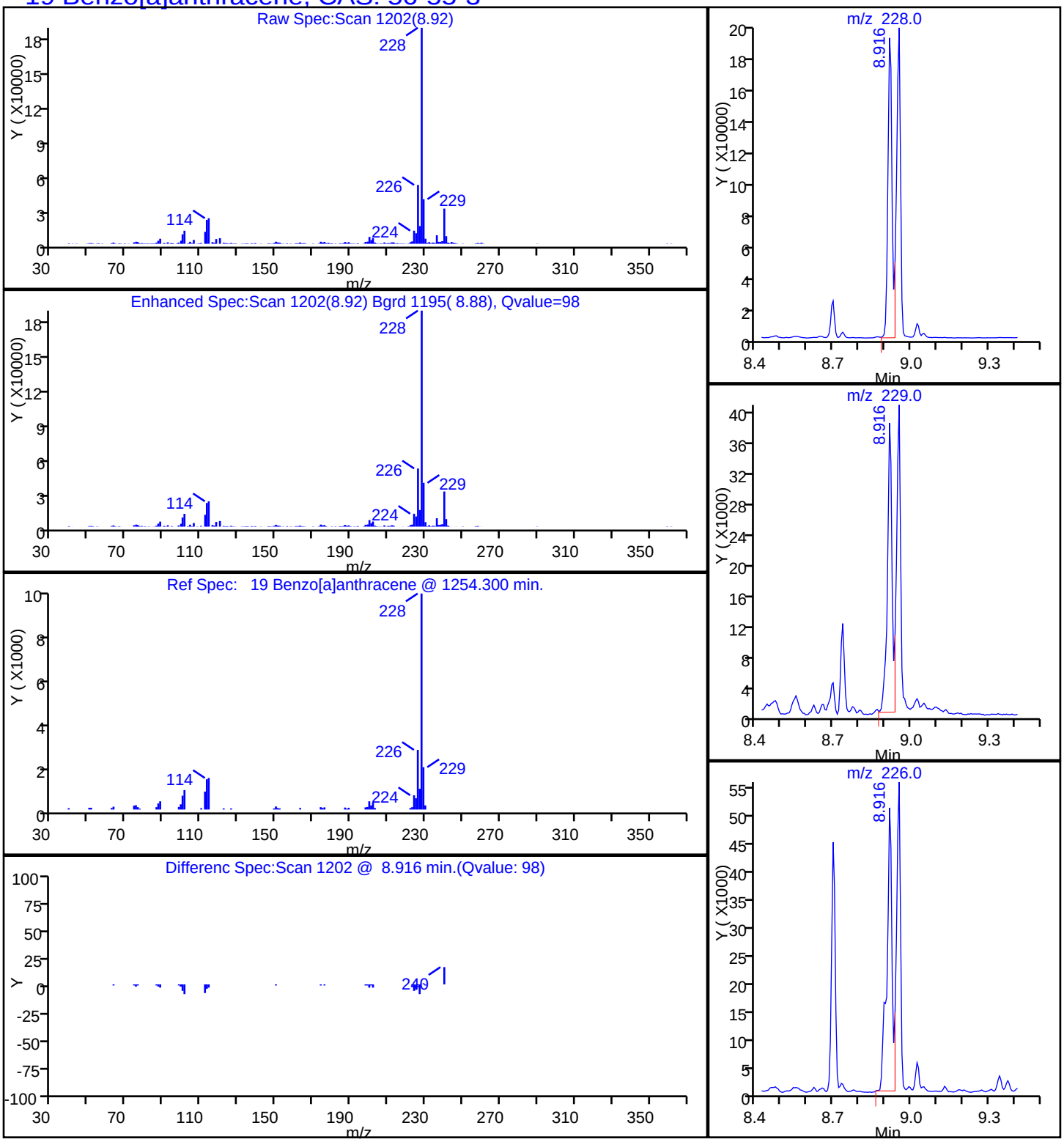
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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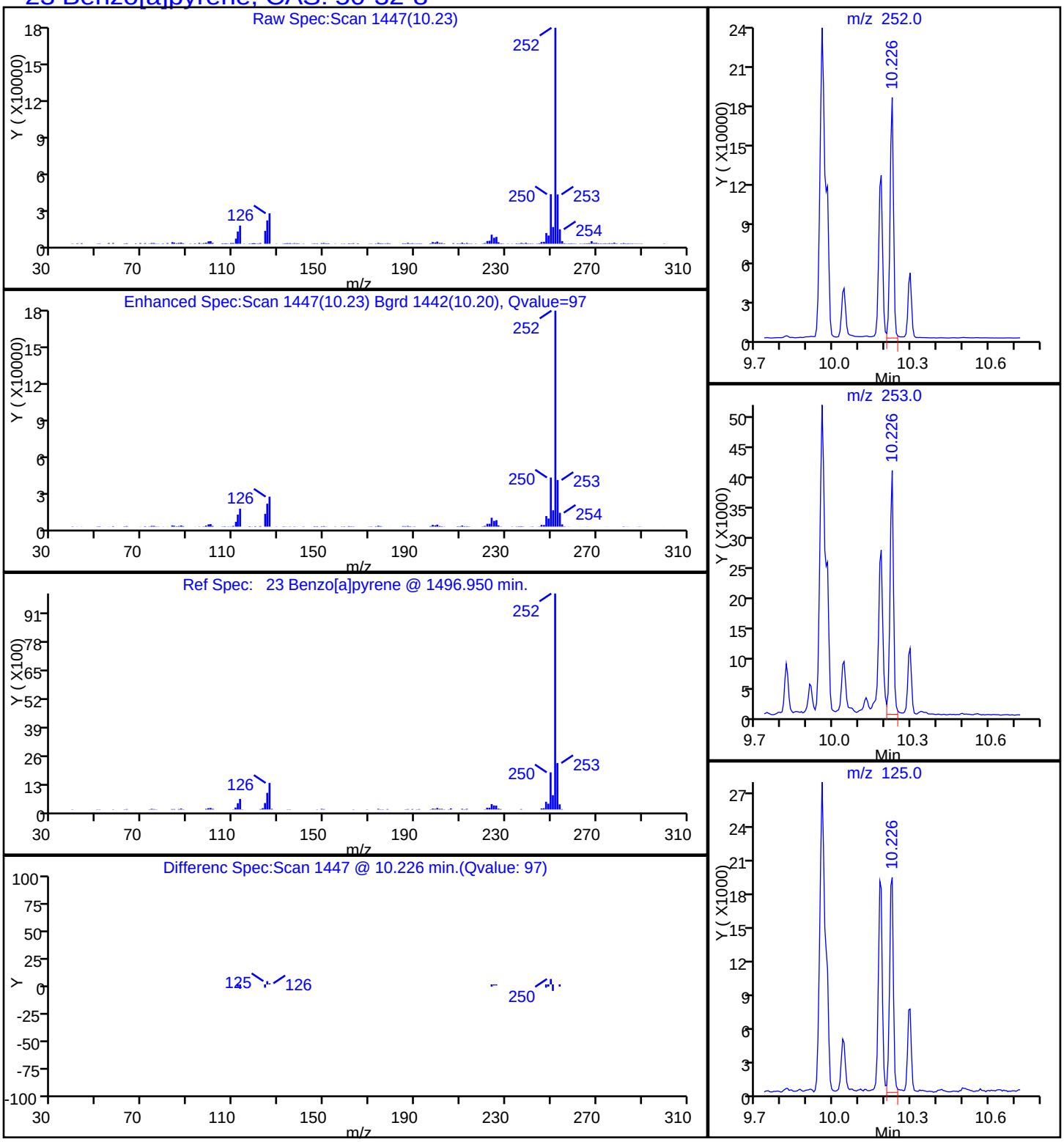
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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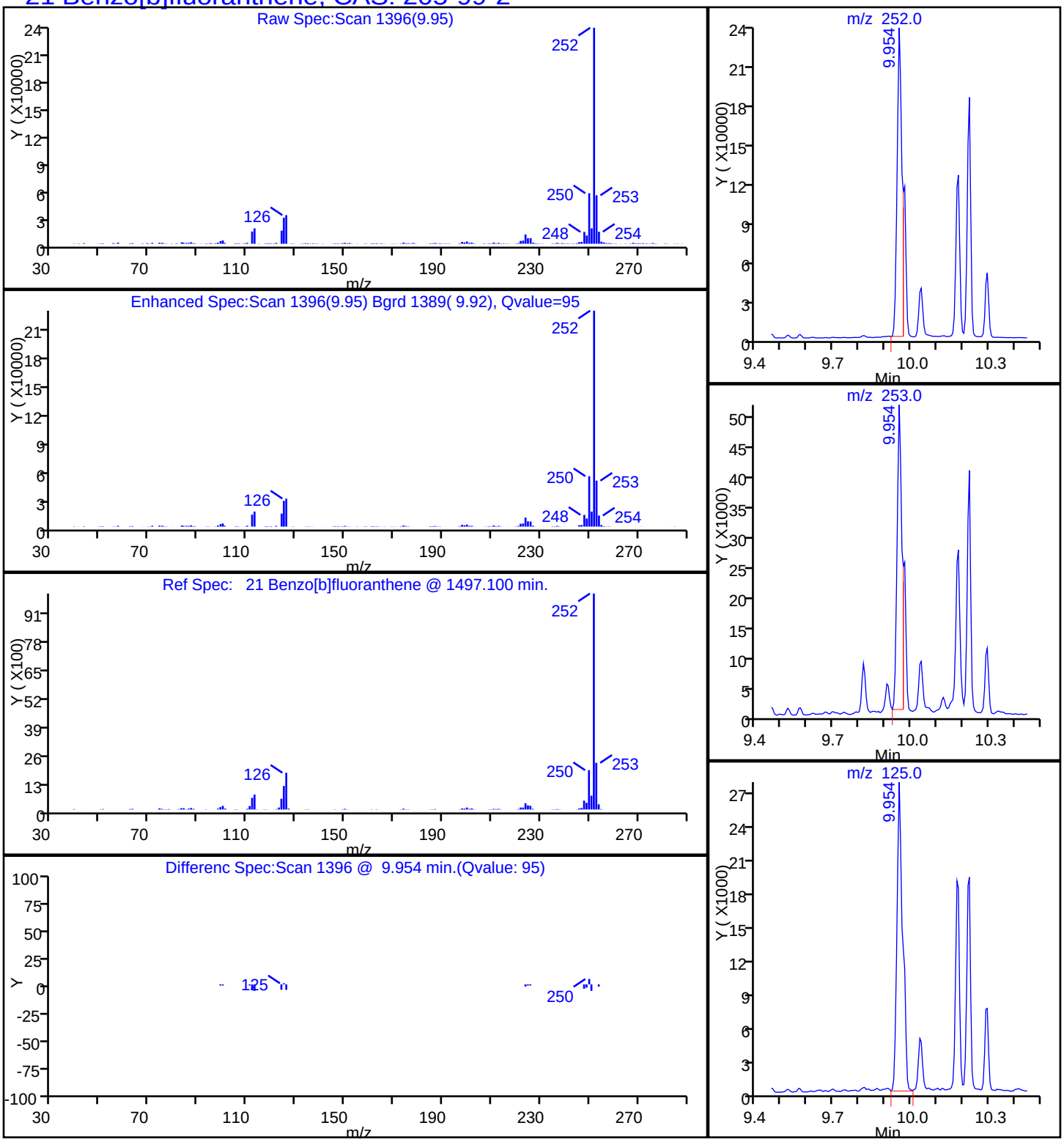
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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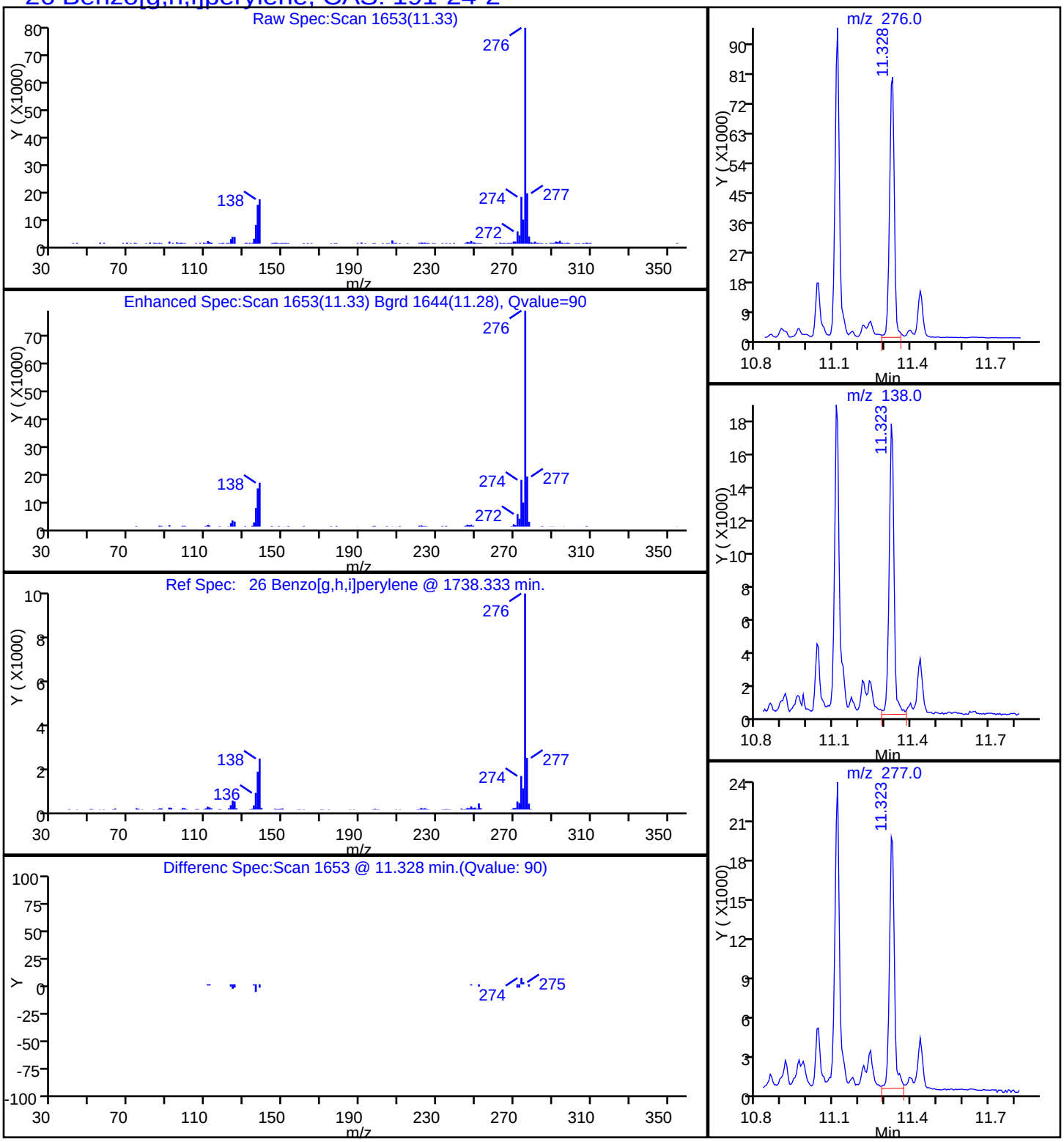
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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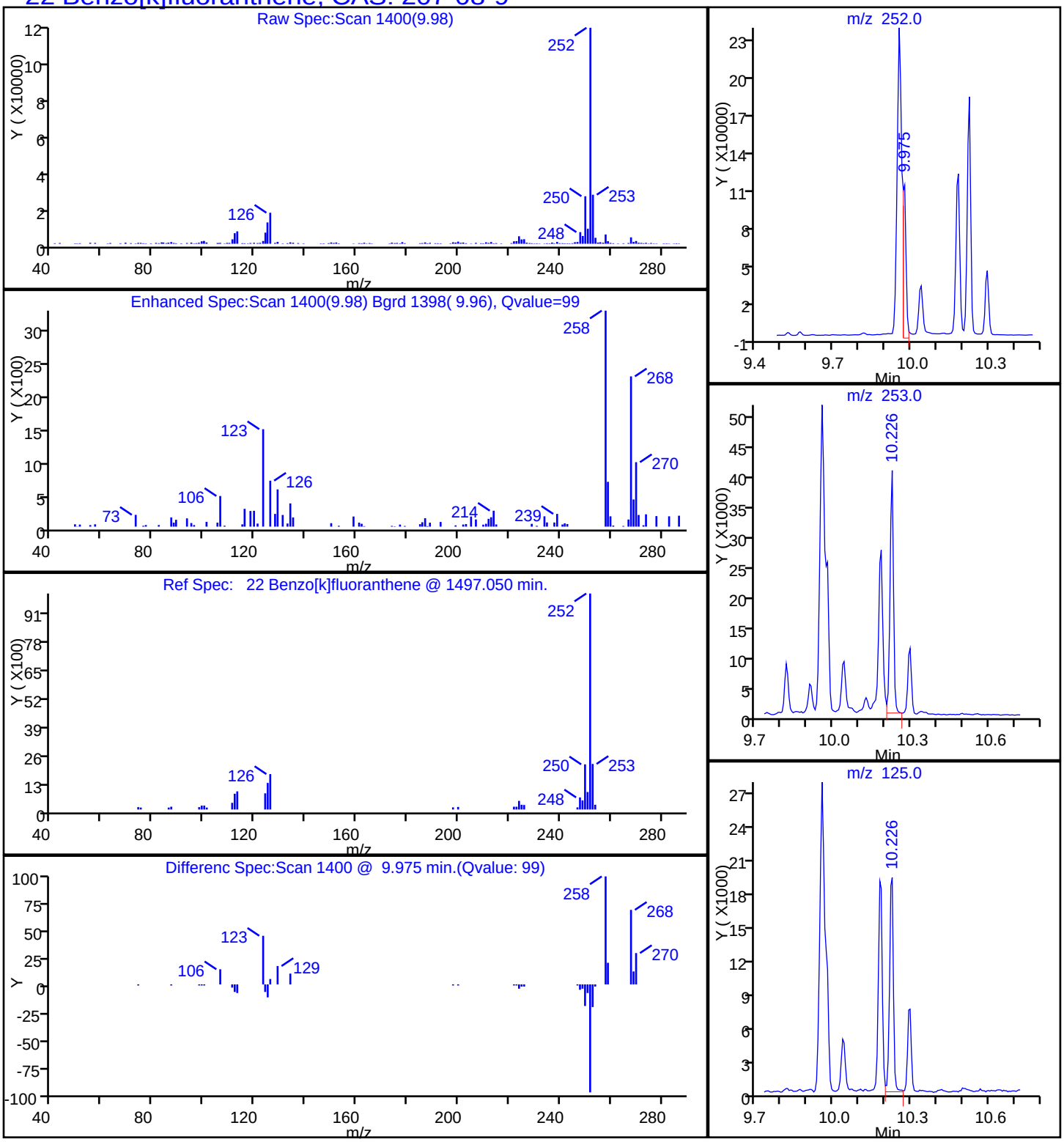
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
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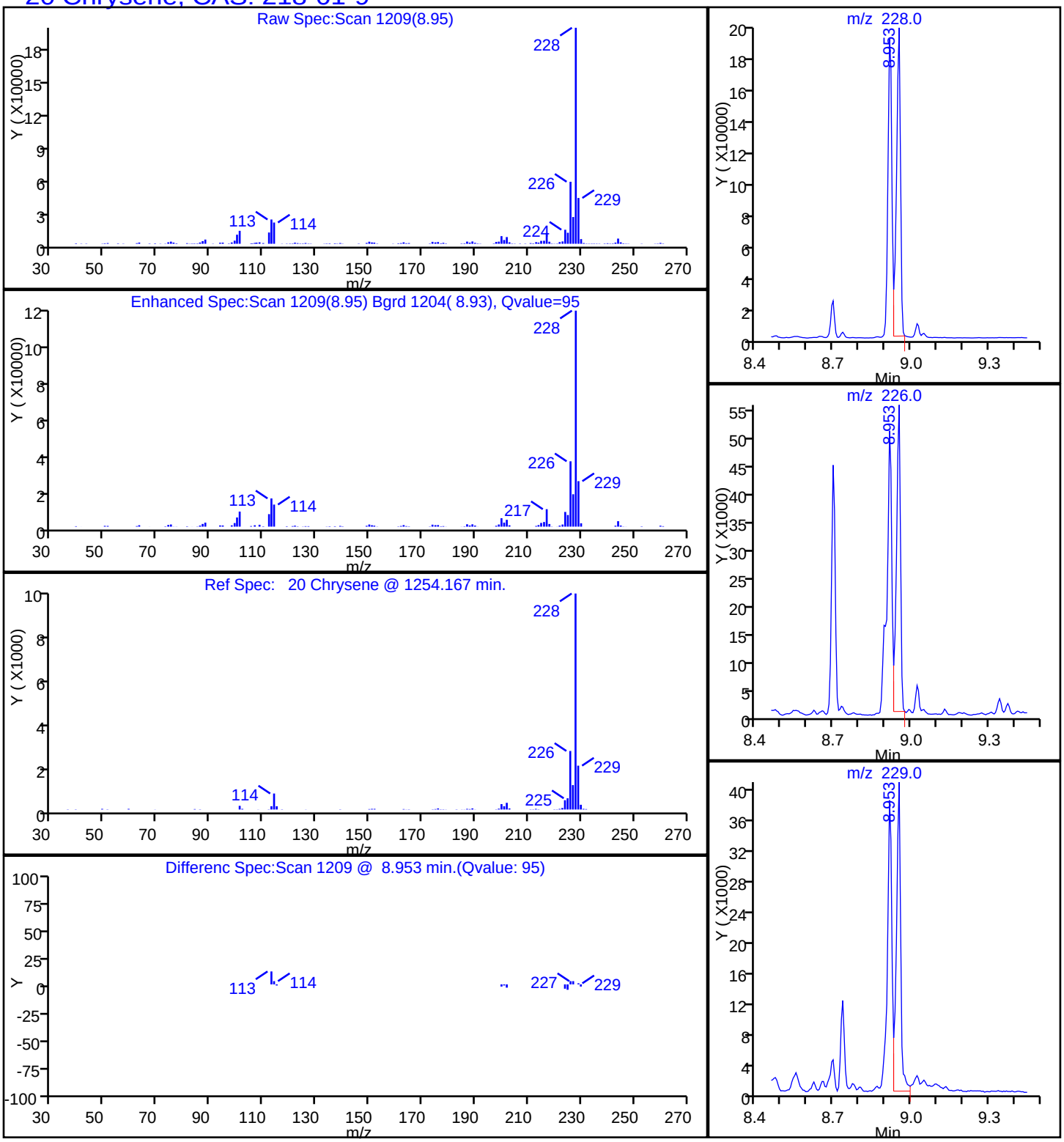
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9



Report Date: 16-Oct-2014 11:47:42 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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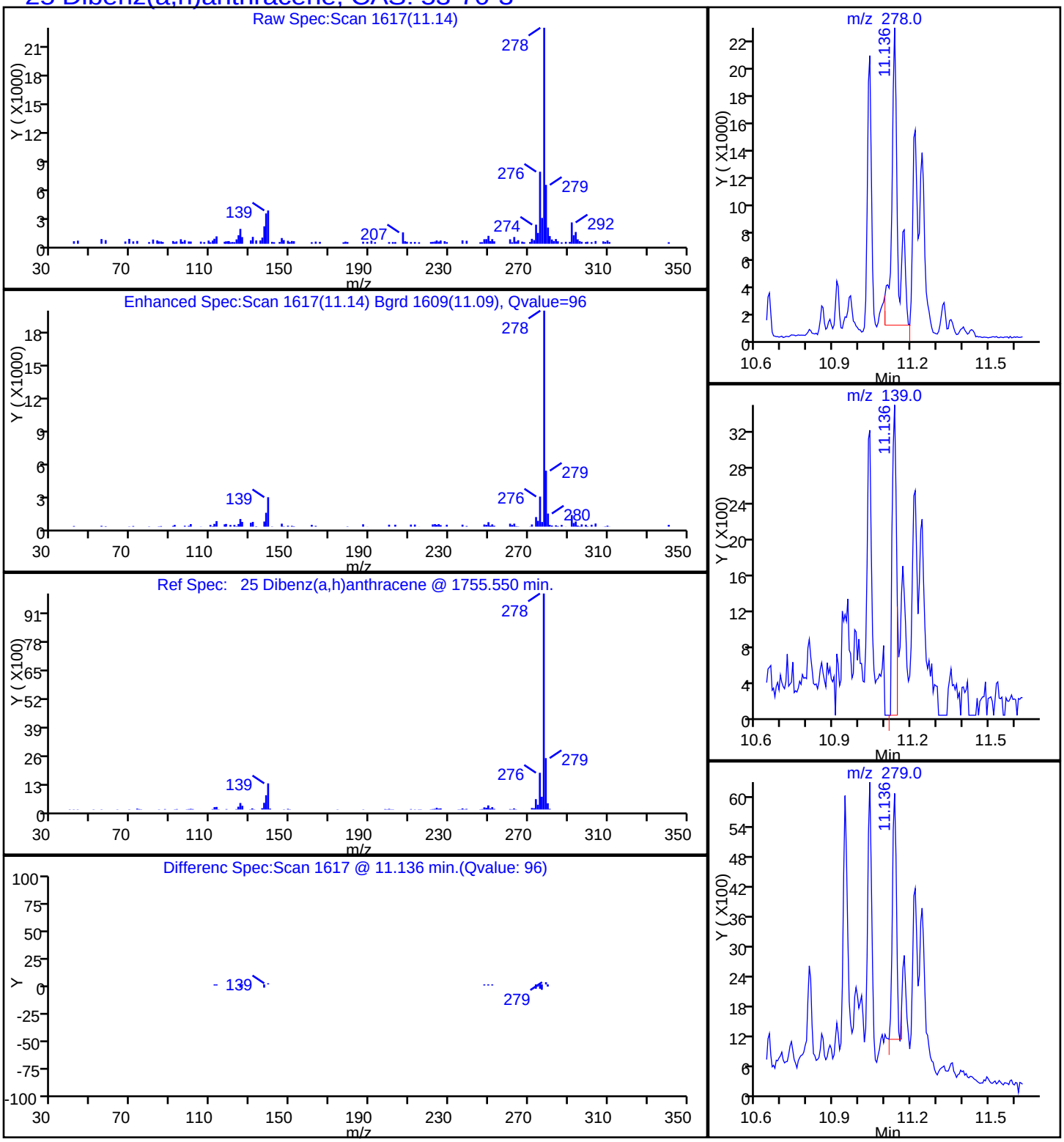
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 16-Oct-2014 11:47:42 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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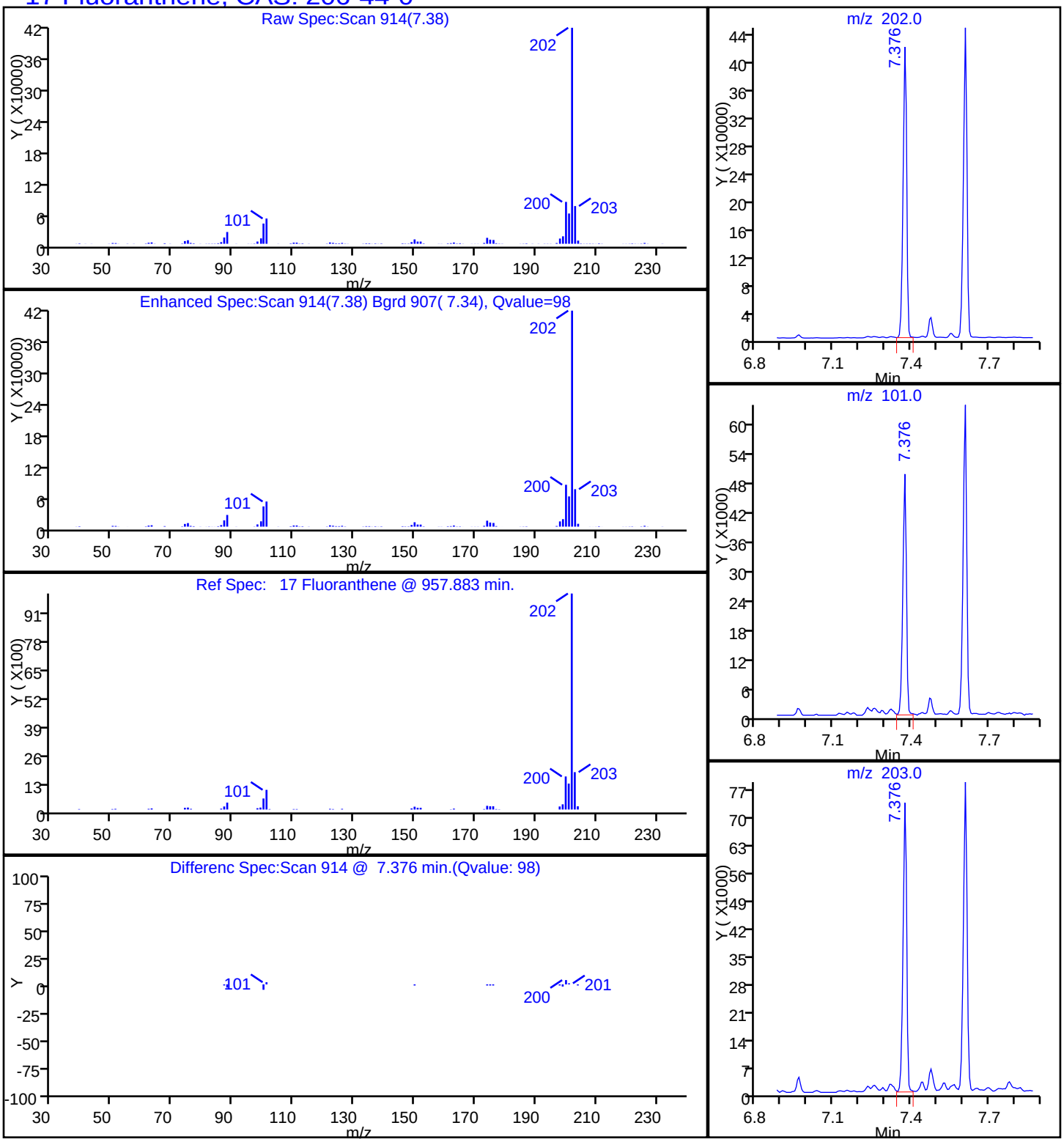
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0



Report Date: 16-Oct-2014 11:47:42 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1605.D				
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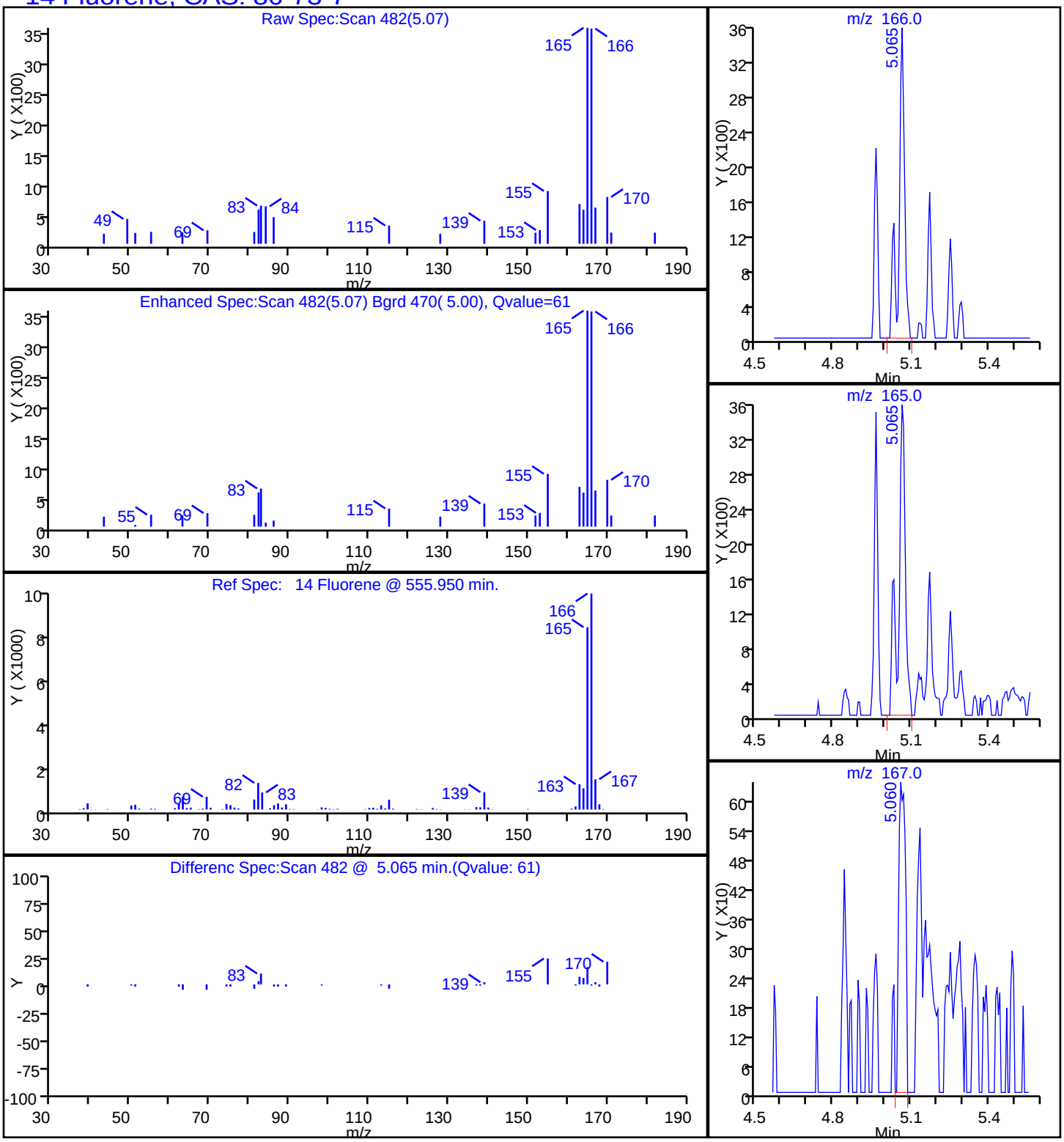
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7



Report Date: 16-Oct-2014 11:47:42 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1605.D				
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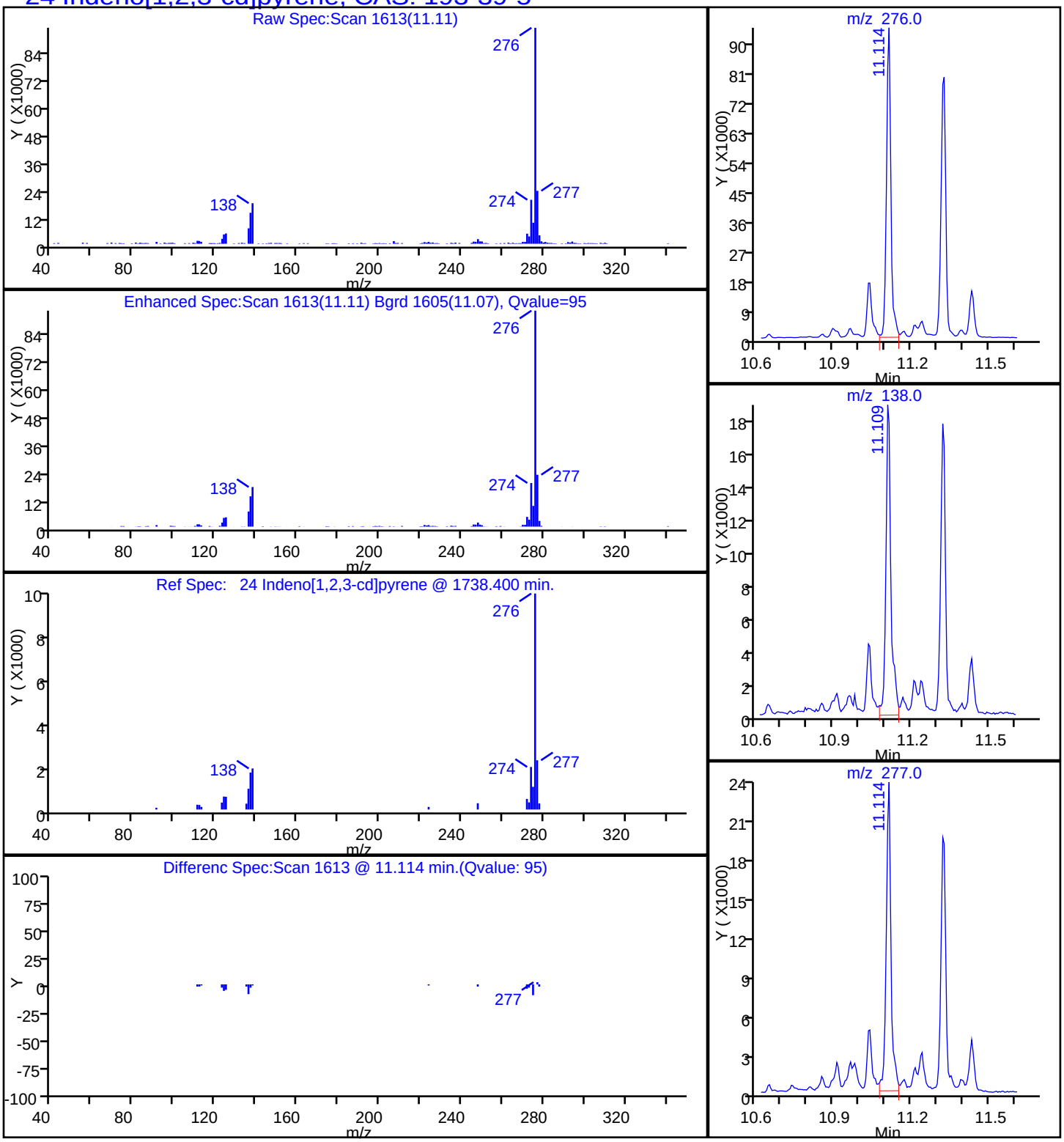
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 16-Oct-2014 11:47:41 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

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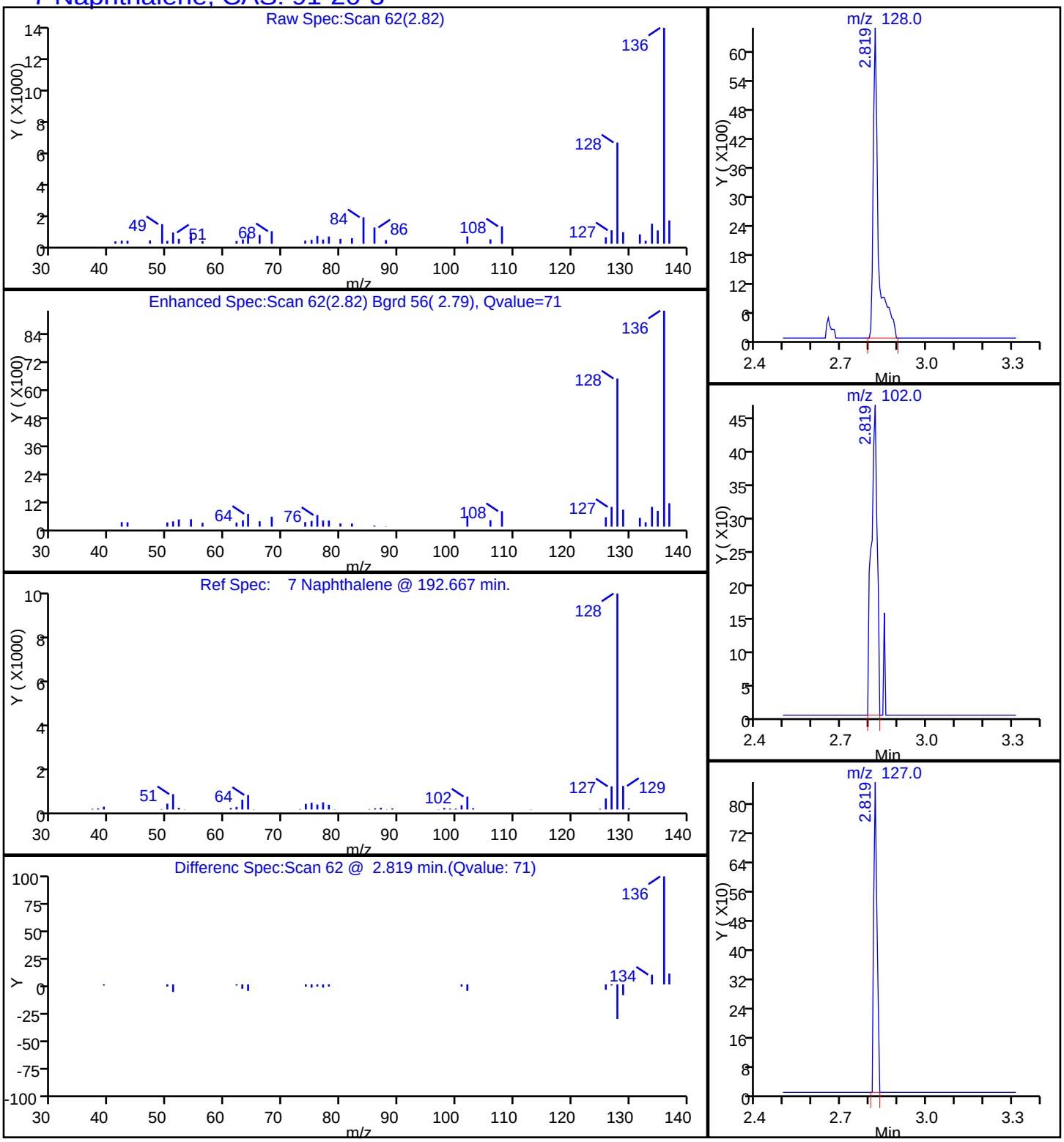
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

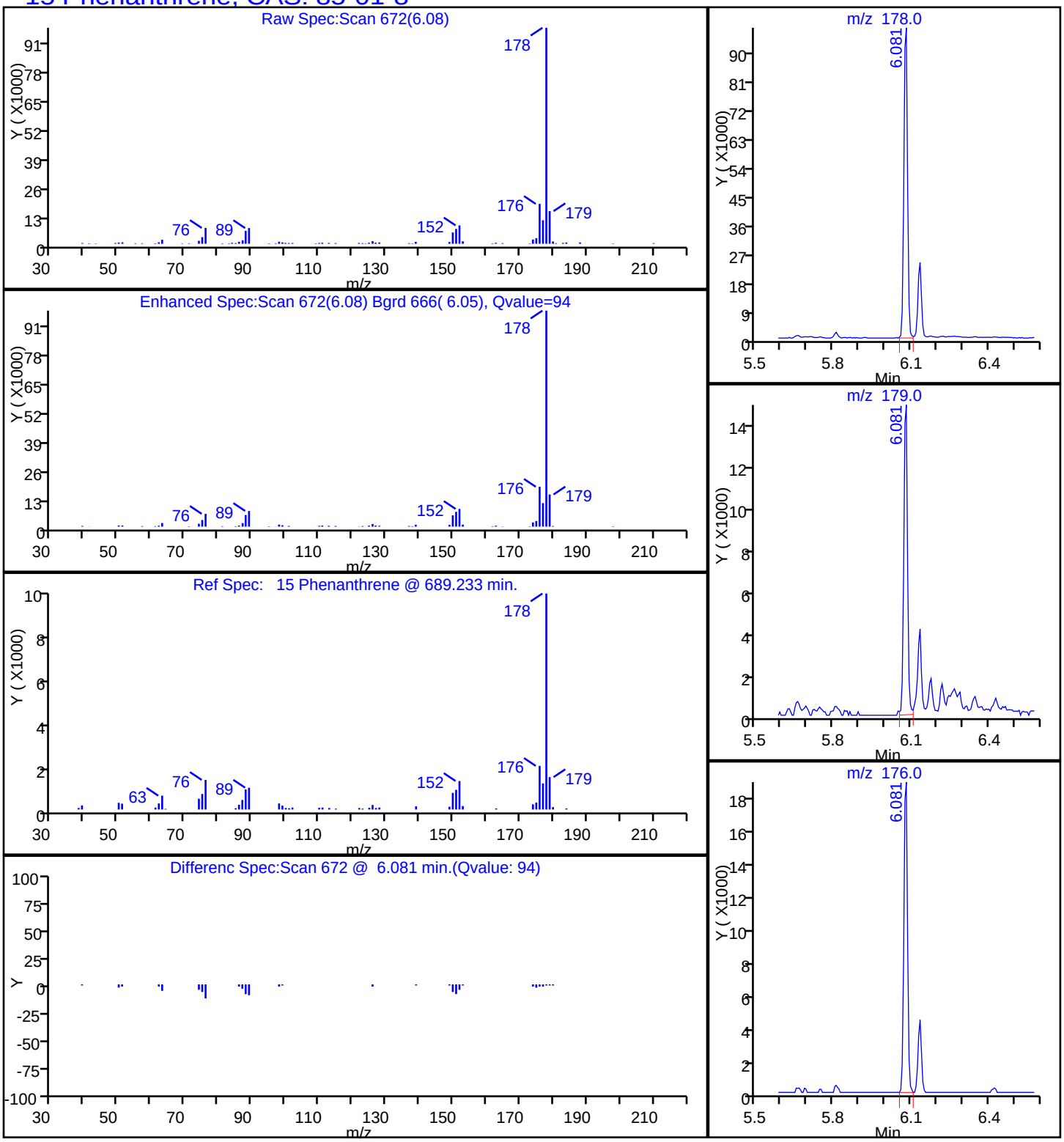


Report Date: 16-Oct-2014 11:47:42 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1605.D				
Injection Date:	16-Oct-2014 10:46:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
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

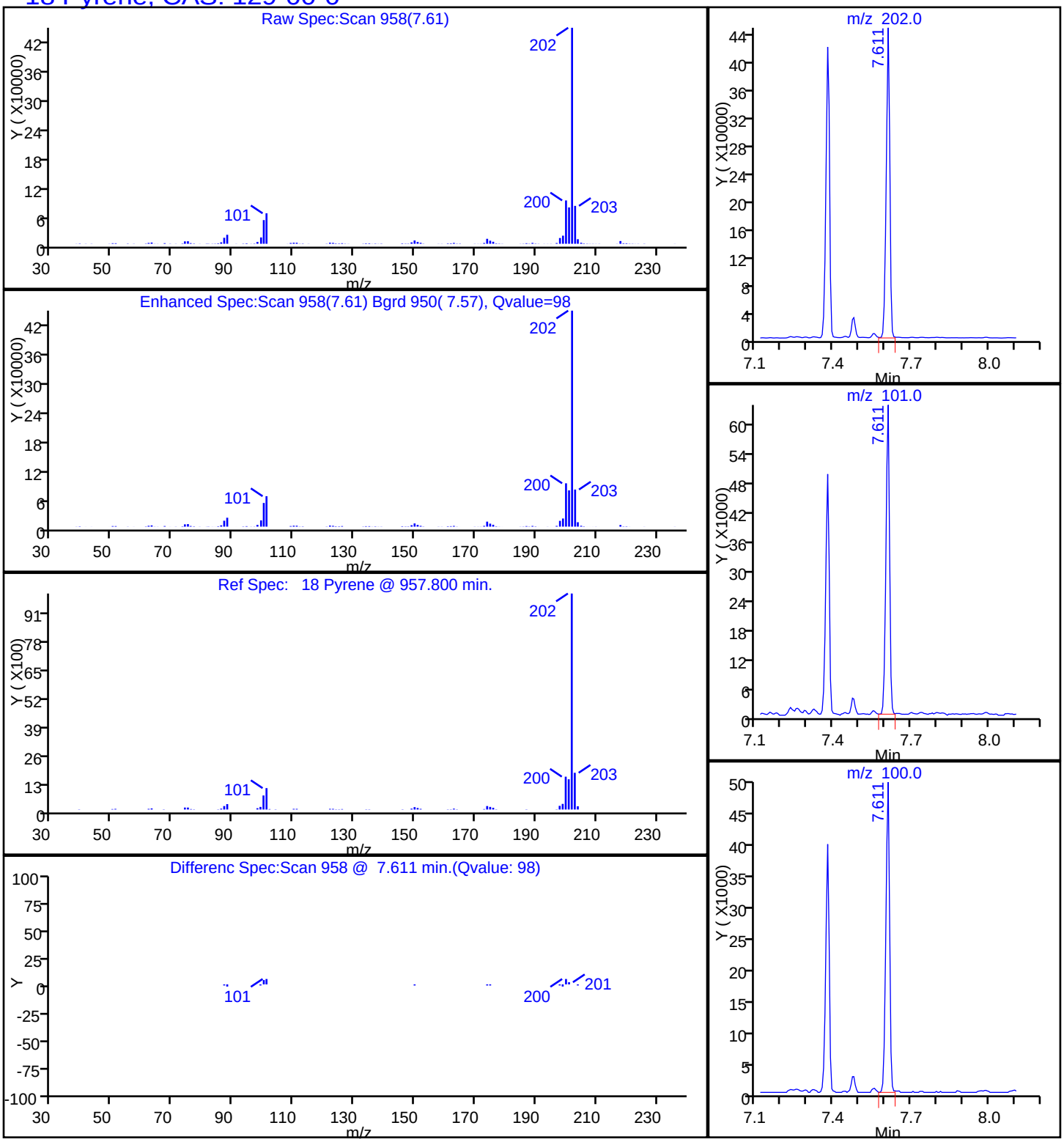


Report Date: 16-Oct-2014 11:47:42 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1605.D				
Injection Date:	16-Oct-2014 10:46:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
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

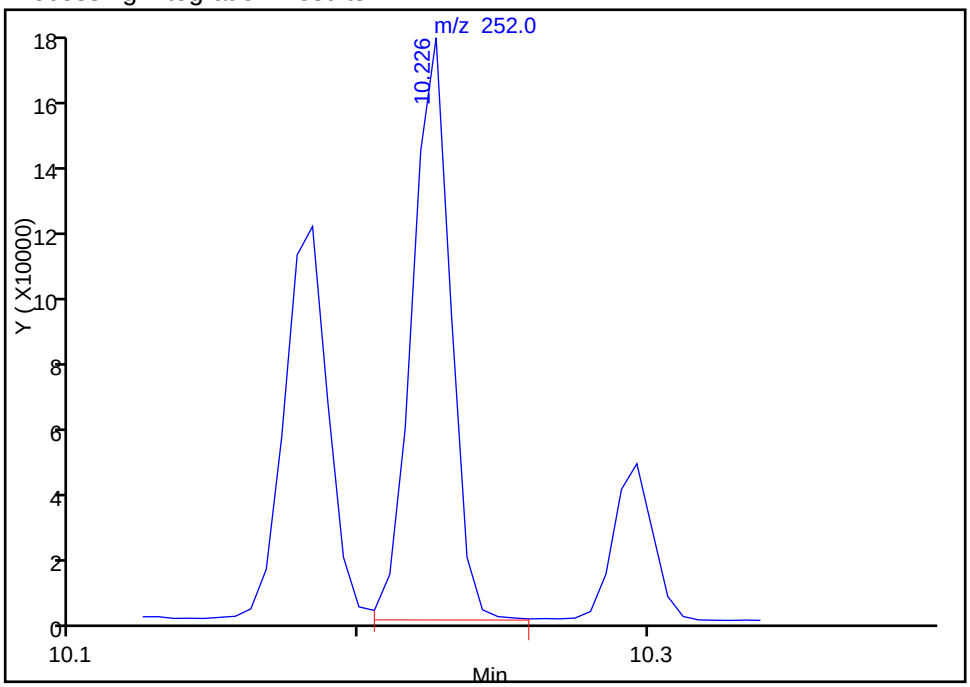
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141016-13814.b\1YJ1605.D				
Injection Date:	16-Oct-2014 10:46:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-16-A	Lab Sample ID:	680-106200-16		
Client ID:	CV0005E-CS18				
Operator ID:	RM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	50.0000		
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

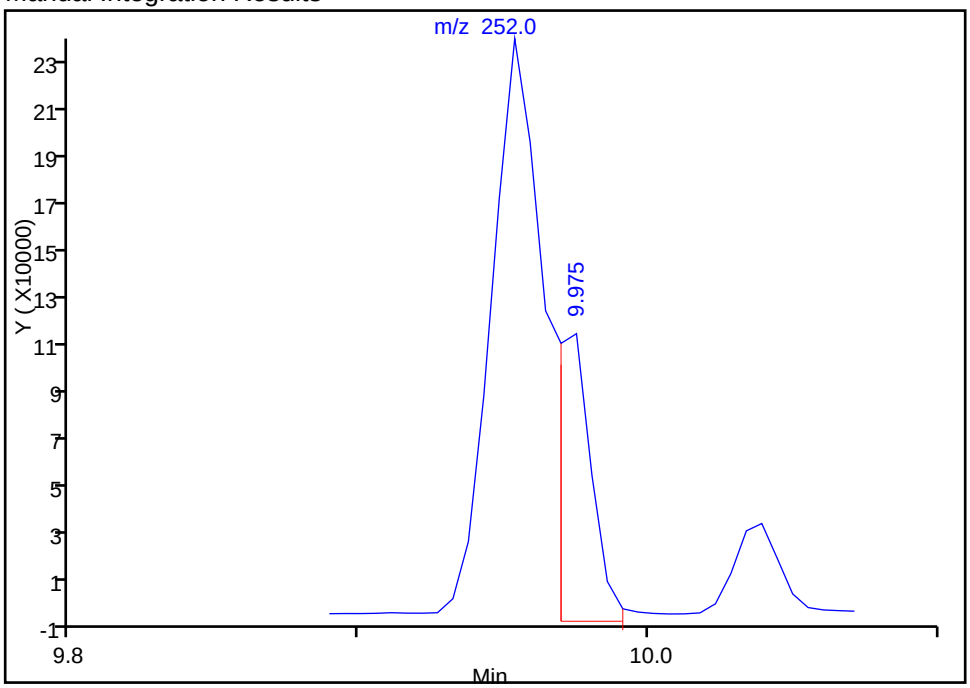
Processing Integration Results

RT: 10.23
Response: 165276
Amount: 3.130693



Manual Integration Results

RT: 9.98
Response: 97871
Amount: 1.843693



Reviewer: webbk, 16-Oct-2014 11:47:14
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005E-CS24 | Lab Sample ID: 680-106200-17

Matrix: Solid | Lab File ID: 2YJ1527.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/08/2014 09:50

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

Sample wt/vol: 30.01(g) | Date Analyzed: 10/15/2014 22:22

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

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

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

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	240		150	72
208-96-8	Acenaphthylene	1100		150	72
120-12-7	Anthracene	900		150	72
56-55-3	Benzo[a]anthracene	5200		150	72
50-32-8	Benzo[a]pyrene	5600		150	26
205-99-2	Benzo[b]fluoranthene	7900		150	72
191-24-2	Benzo[g,h,i]perylene	3400		150	72
207-08-9	Benzo[k]fluoranthene	3500		150	44
218-01-9	Chrysene	5800		150	72
53-70-3	Dibenz(a,h)anthracene	1600		150	72
206-44-0	Fluoranthene	7800		150	72
86-73-7	Fluorene	300		150	72
193-39-5	Indeno[1,2,3-cd]pyrene	2600		150	72
90-12-0	1-Methylnaphthalene	190		150	68
91-57-6	2-Methylnaphthalene	220		150	72
91-20-3	Naphthalene	390		150	72
85-01-8	Phenanthrene	2900		150	52
129-00-0	Pyrene	9200		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\CMSY\20141015-13789.b\2YJ1527.D
Lims ID: 680-106200-A-17-A Lab Sample ID: 680-106200-17
Client ID: CV0005E-CS24
Sample Type: Client
Inject. Date: 15-Oct-2014 22:22:30 ALS Bottle#: 25 Worklist Smp#: 27
Injection Vol: 2.0 ul Dil. Factor: 20.0000
Sample Info: 106200-A-17-A 1:20
Misc. Info.: 680-0013789-027
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 16-Oct-2014 08:46:57 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: XAWRK010

First Level Reviewer: webbk Date: 16-Oct-2014 08:28:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.861	2.856	0.005	98	142121	2.00	
* 2 Acenaphthene-d10	164	4.557	4.546	0.011	91	82949	2.00	
* 3 Phenanthrene-d10	188	6.129	6.124	0.005	98	135297	2.00	
* 4 Chrysene-d12	240	9.012	8.996	0.016	86	110954	2.00	
* 5 Perylene-d12	264	10.360	10.344	0.016	96	81945	2.00	
7 Naphthalene	128	2.877	2.877	0.000	94	41464	0.5349	
8 2-Methylnaphthalene	142	3.519	3.514	0.005	73	15421	0.3000	
9 1-Methylnaphthalene	142	3.610	3.605	0.005	76	12430	0.2608	
11 Acenaphthylene	152	4.402	4.396	0.006	97	117775	1.47	
12 Acenaphthene	153	4.589	4.584	0.005	79	16858	0.3264	
14 Fluorene	166	5.134	5.129	0.005	89	23184	0.4067	
15 Phenanthrene	178	6.156	6.151	0.005	97	318320	3.93	
16 Anthracene	178	6.209	6.204	0.005	98	99946	1.24	
17 Fluoranthene	202	7.461	7.445	0.016	98	924129	10.8	
18 Pyrene	202	7.696	7.680	0.016	97	906987	12.6	
19 Benzo[a]anthracene	228	9.001	8.991	0.010	98	461777	7.12	
20 Chrysene	228	9.039	9.023	0.016	95	471104	7.98	
21 Benzo[b]fluoranthene	252	10.044	10.023	0.021	97	585341	10.9	
22 Benzo[k]fluoranthene	252	10.060	10.050	0.010	97	249217	4.86	M
23 Benzo[a]pyrene	252	10.317	10.296	0.021	97	342362	7.72	
24 Indeno[1,2,3-cd]pyrene	276	11.221	11.200	0.021	99	213599	3.51	
25 Dibenz(a,h)anthracene	278	11.237	11.227	0.010	87	85133	2.19	
26 Benzo[g,h,i]perylene	276	11.446	11.424	0.022	91	188256	4.63	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

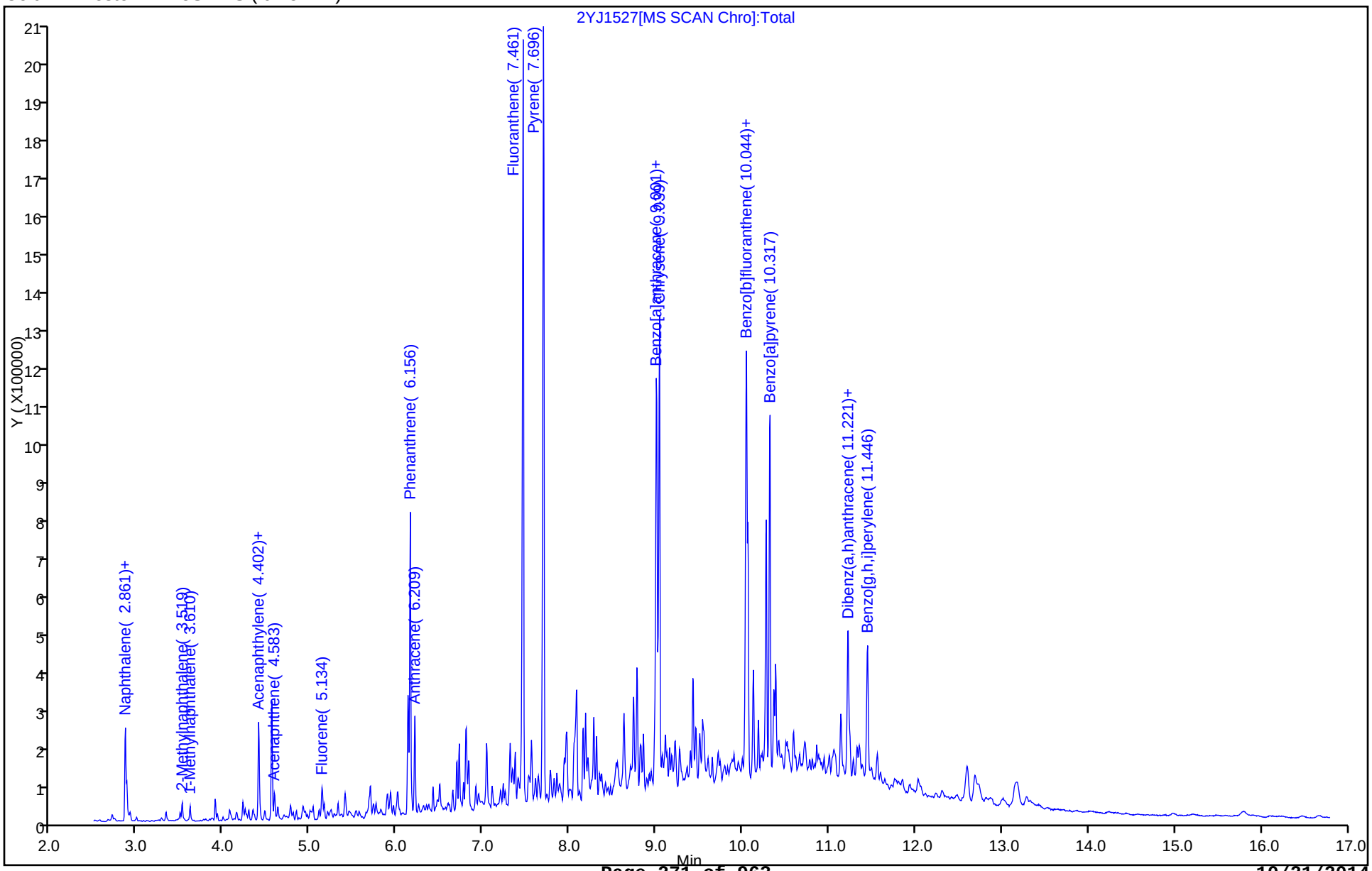
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17	Worklist Smp#:	27
Client ID:	CV0005E-CS24				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	25
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

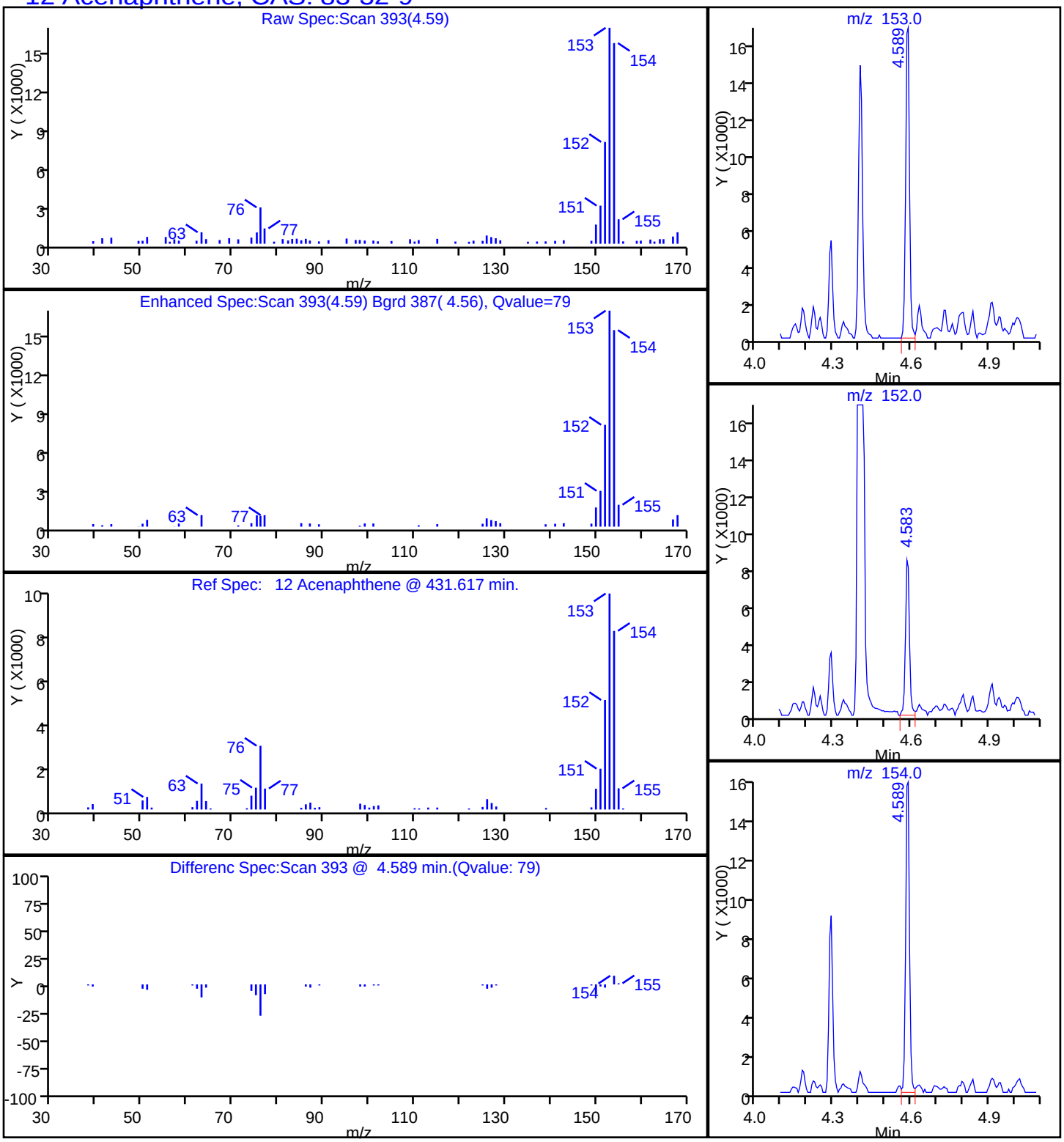


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

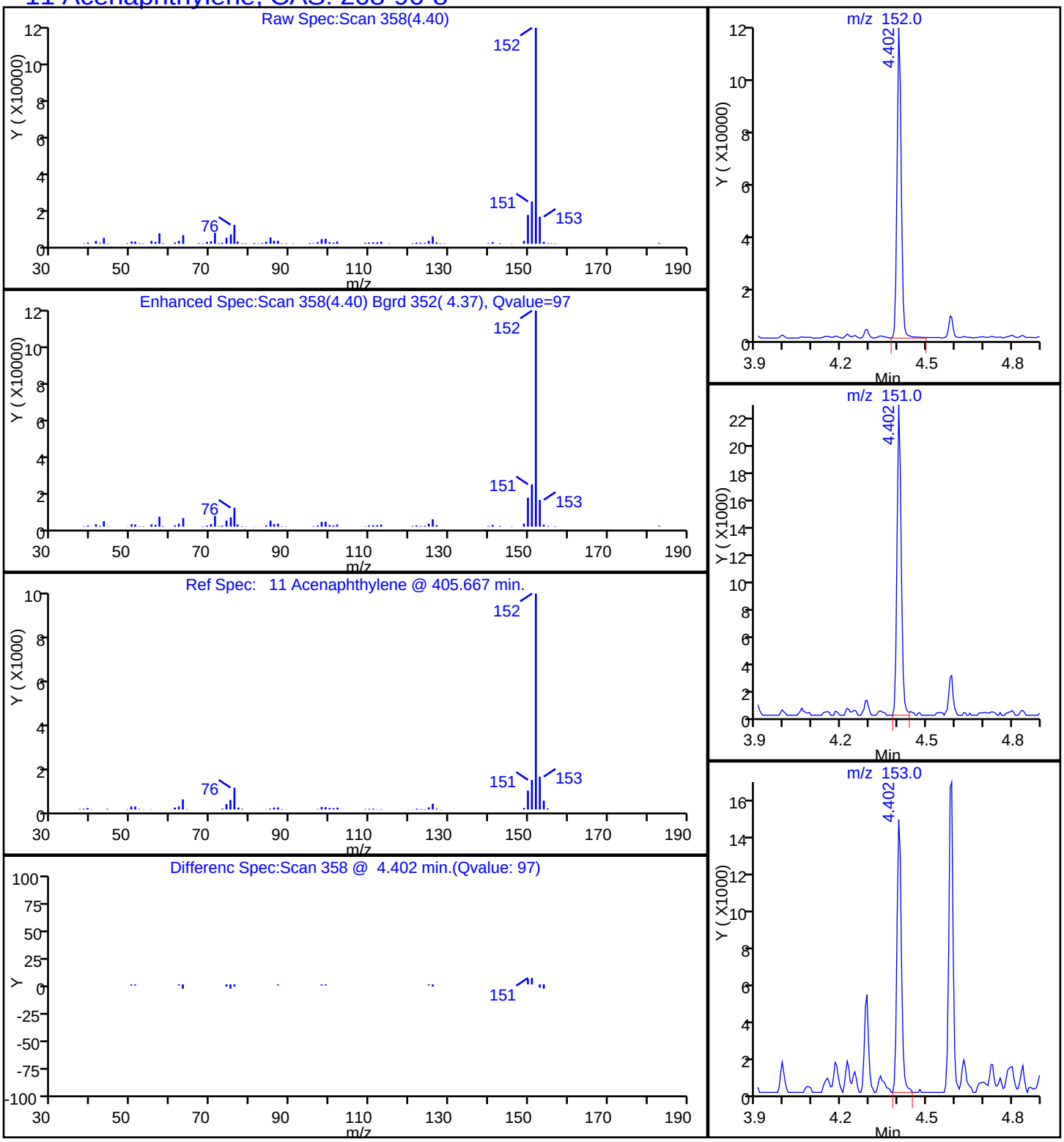


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

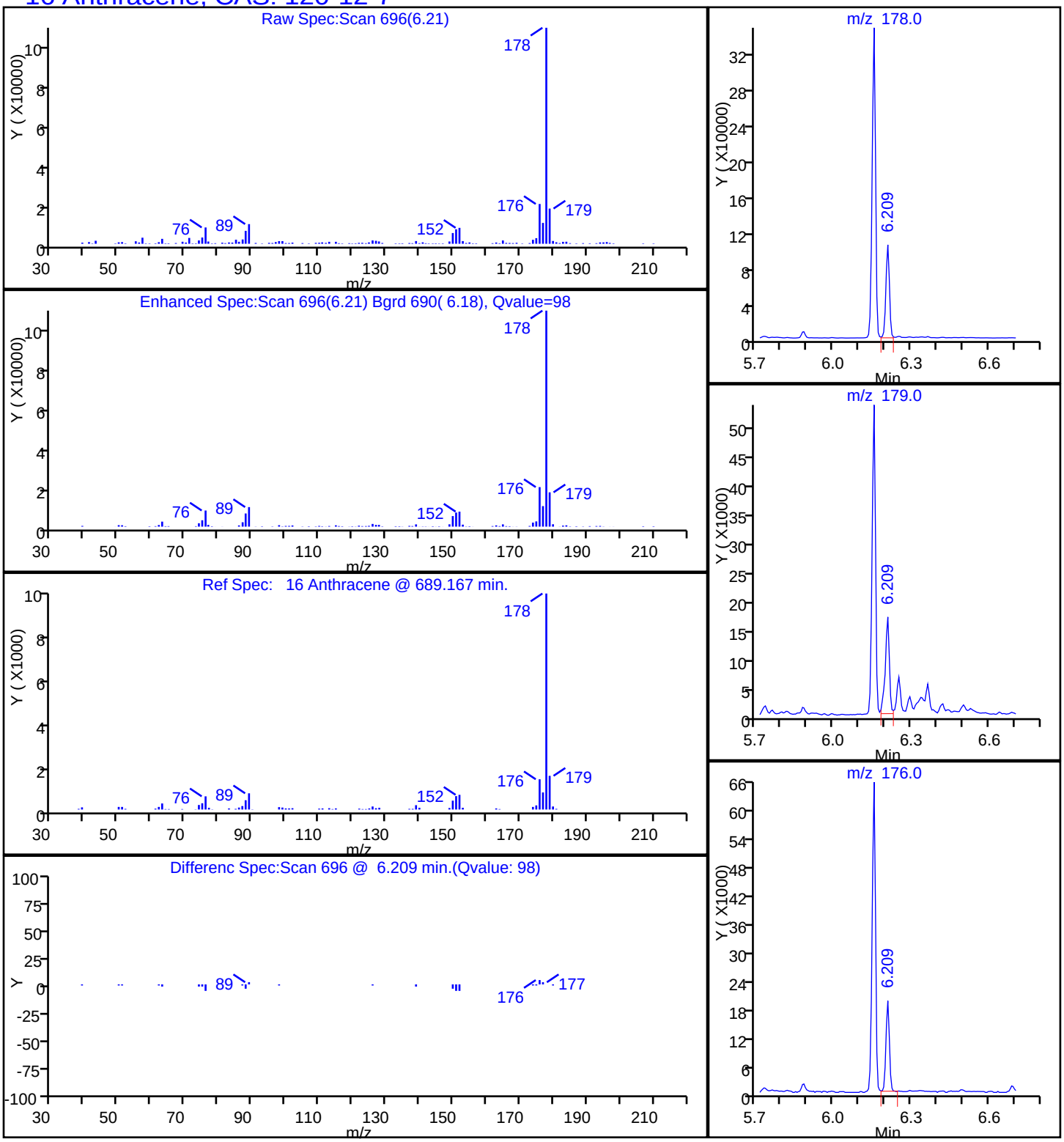


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

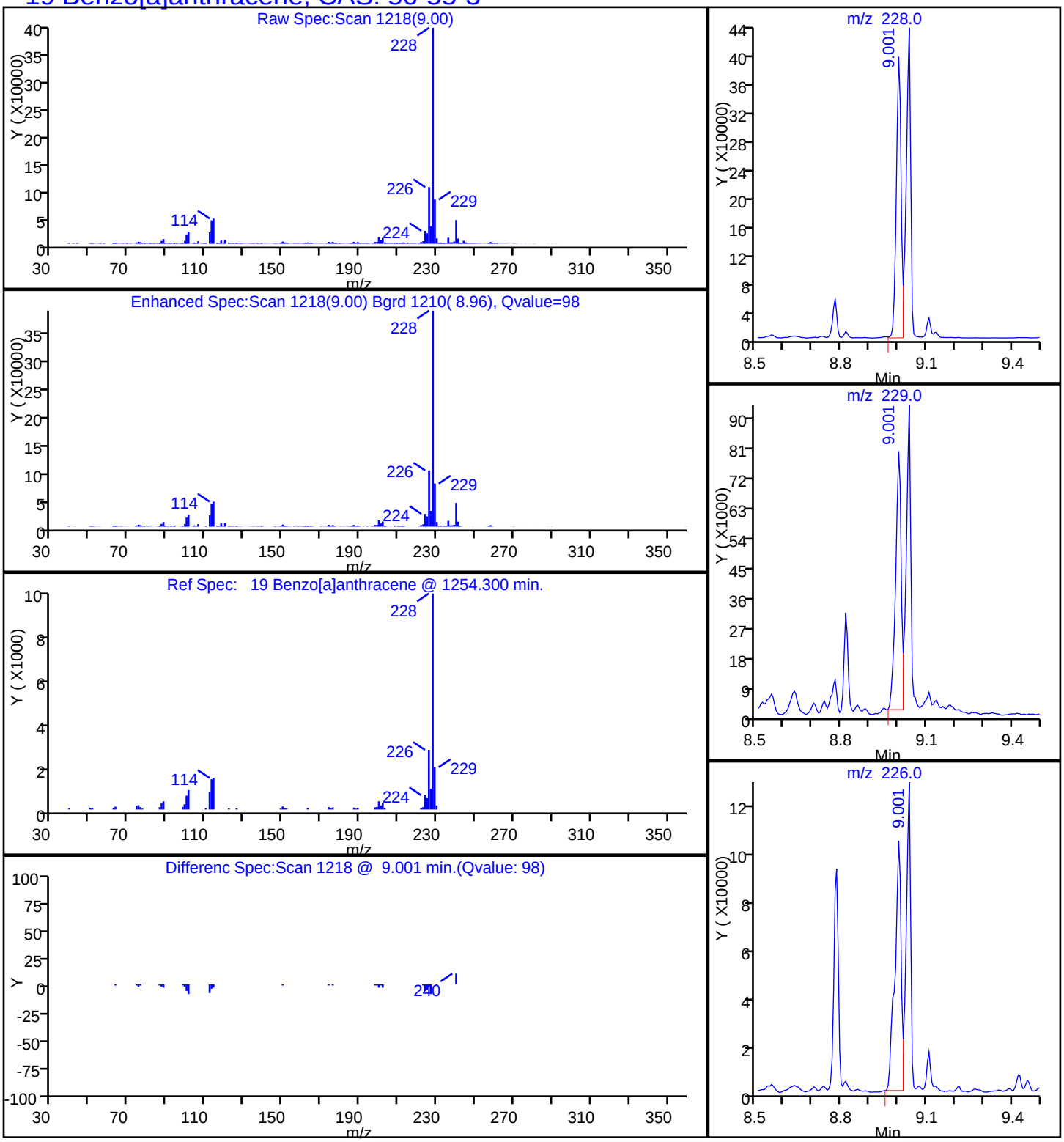


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

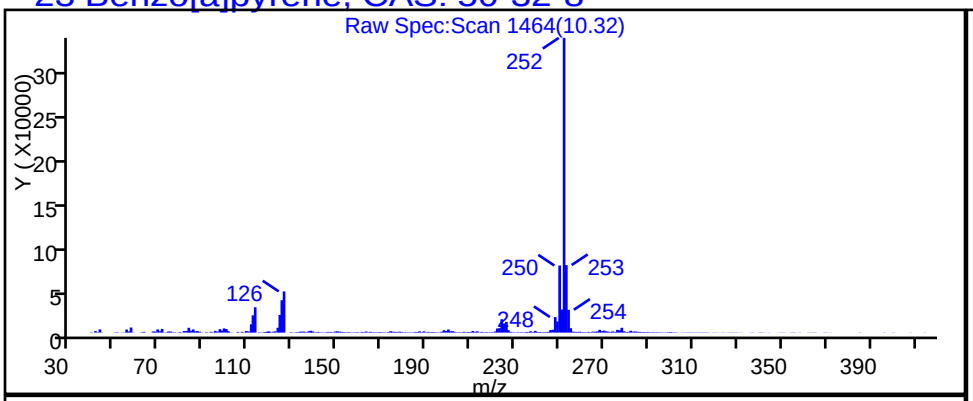


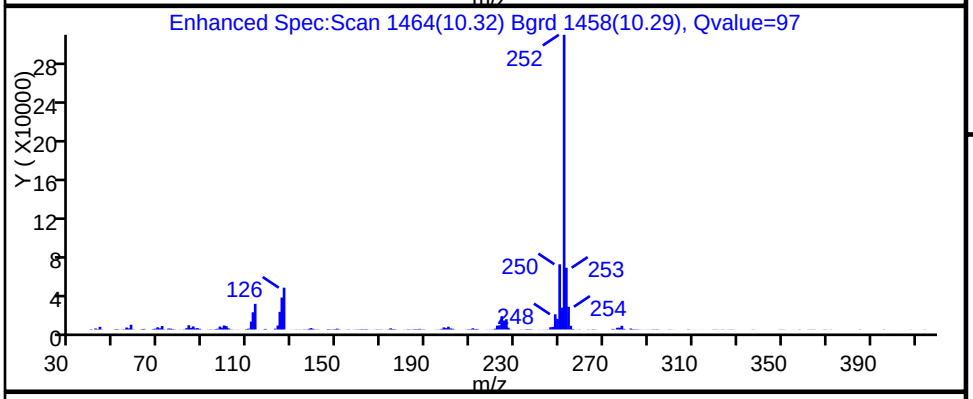
Report Date: 16-Oct-2014 08:47:30 Chrom Revision: 2.2 18-Aug-2014 12:17:36

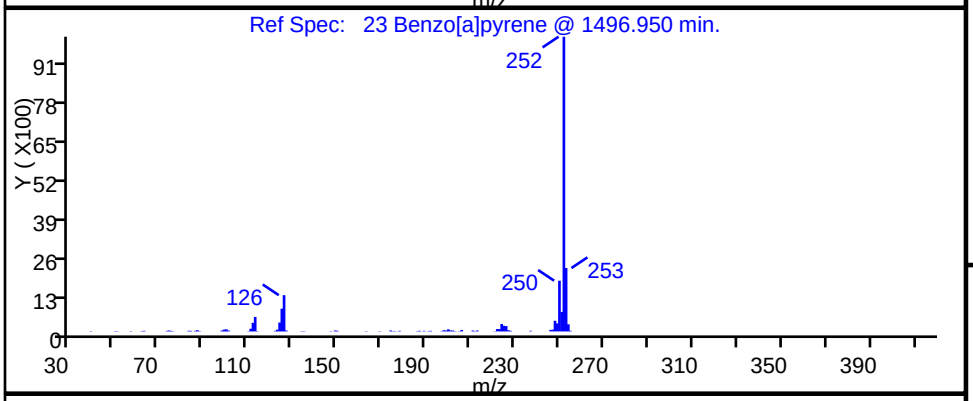
TestAmerica Savannah

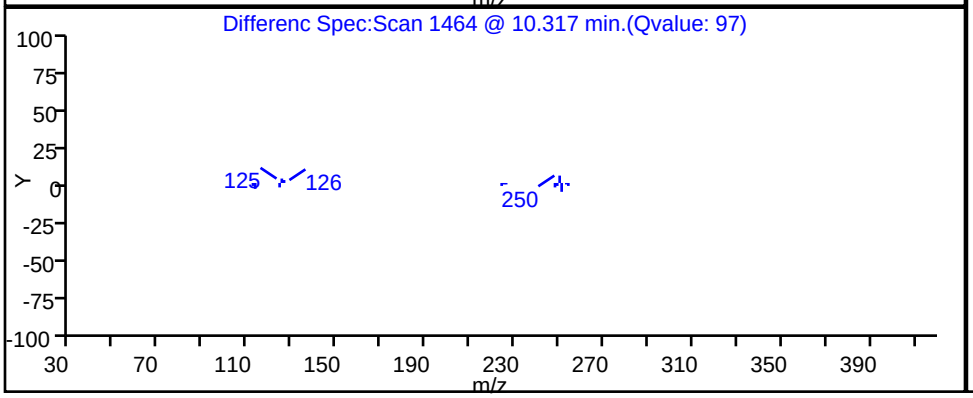
Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

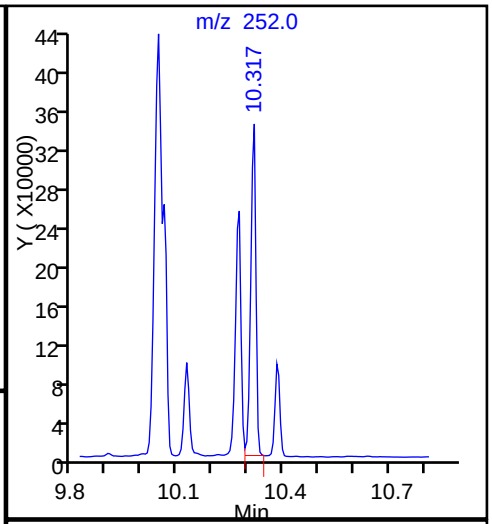
23 Benzo[a]pyrene, CAS: 50-32-8

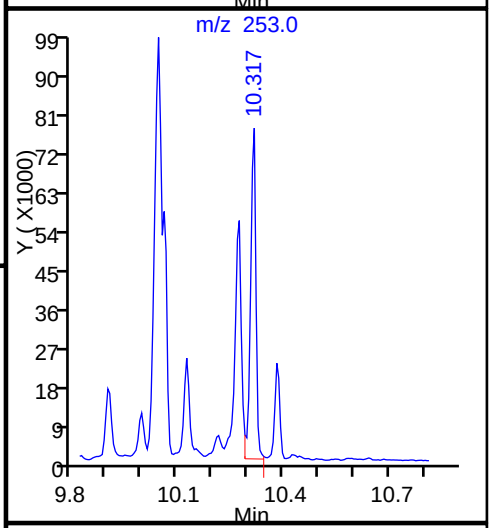


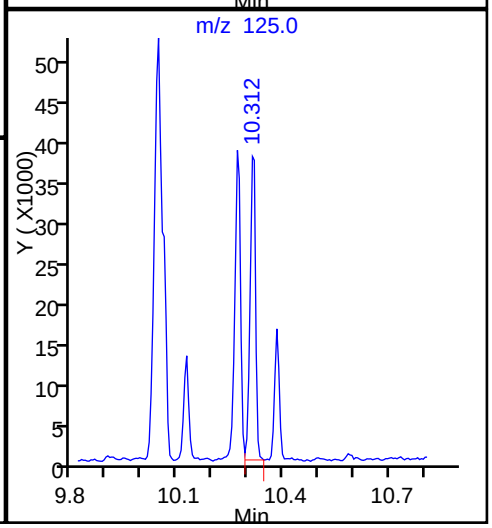










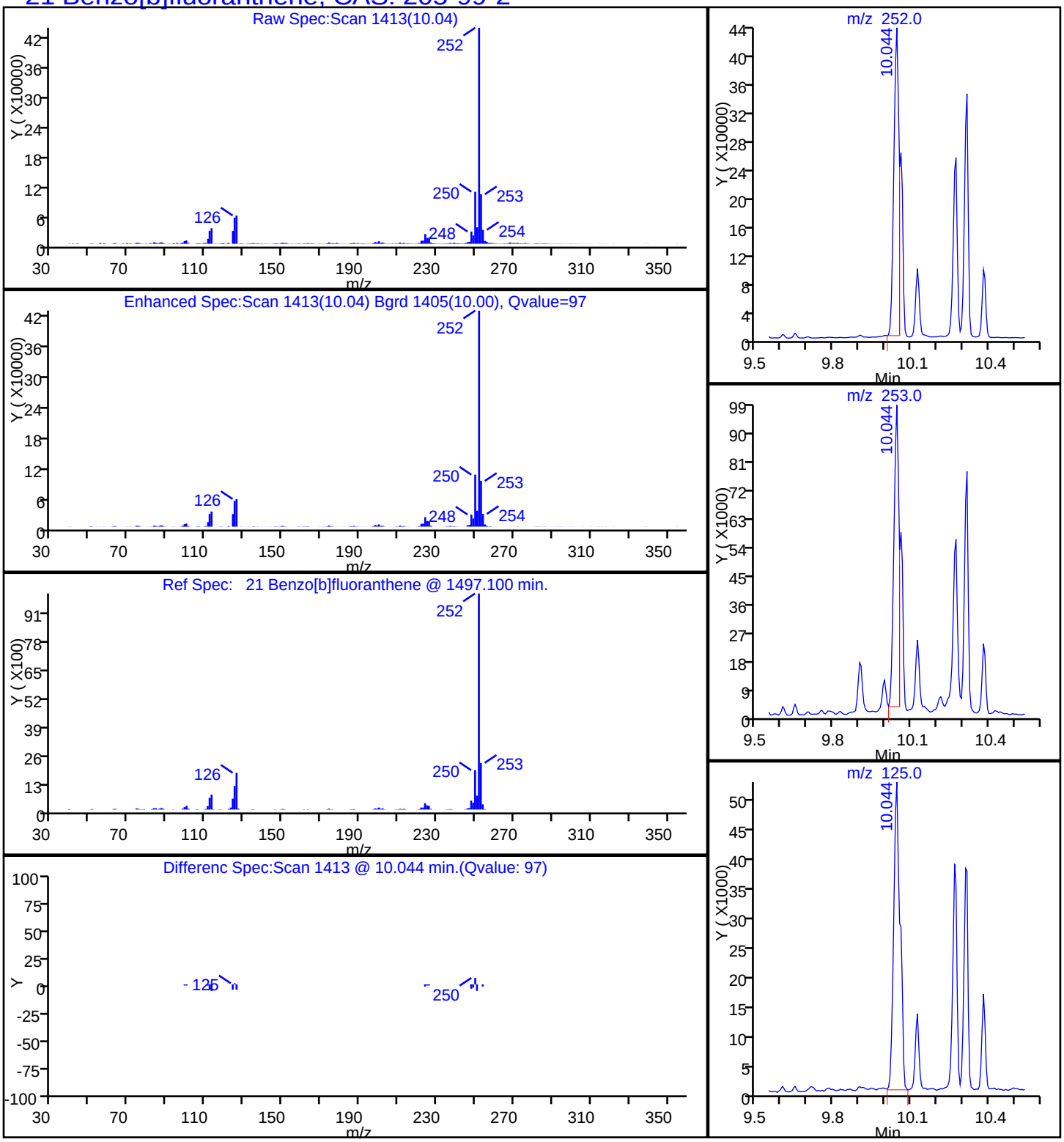


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

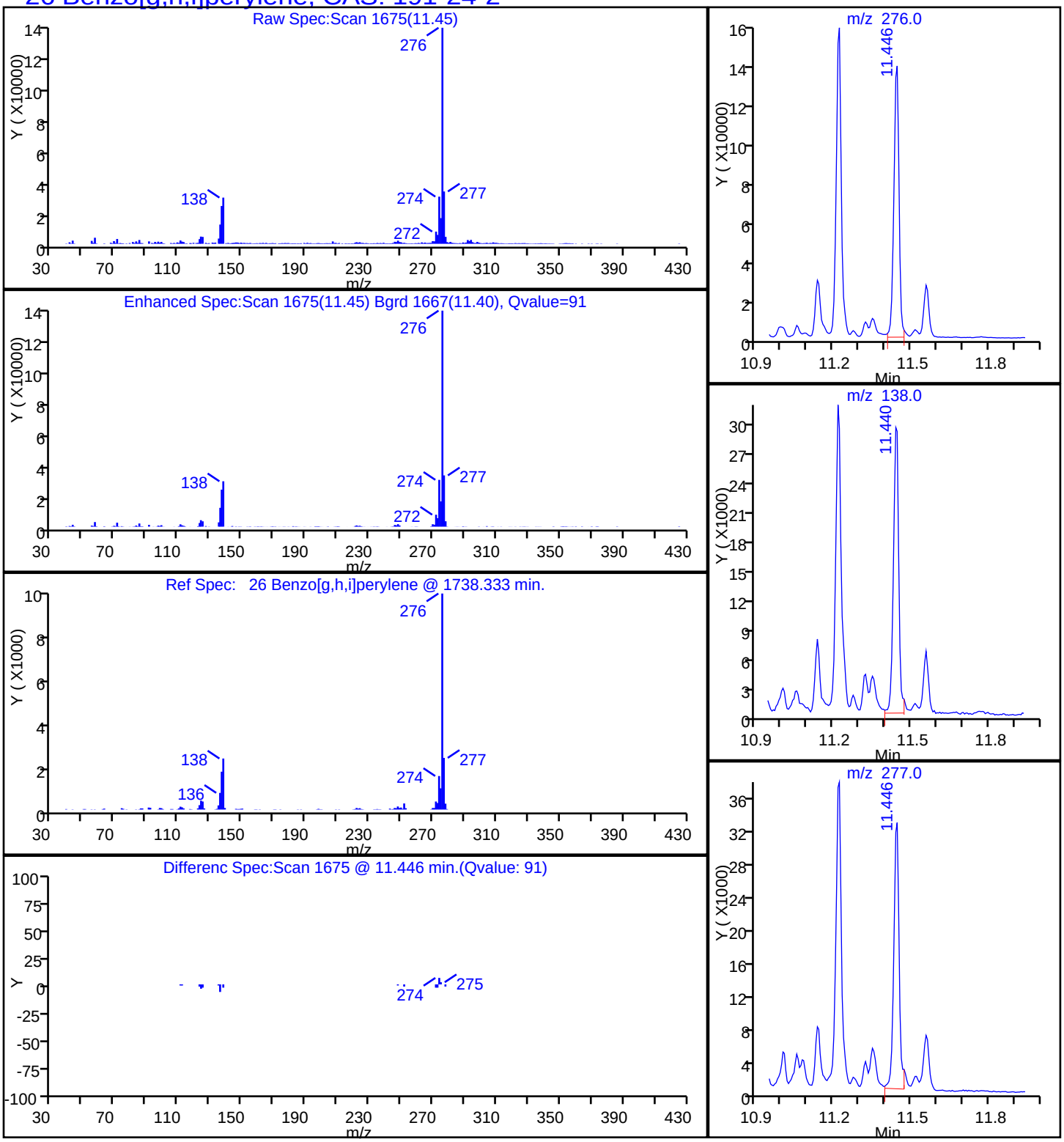


Report Date: 16-Oct-2014 08:47:30 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

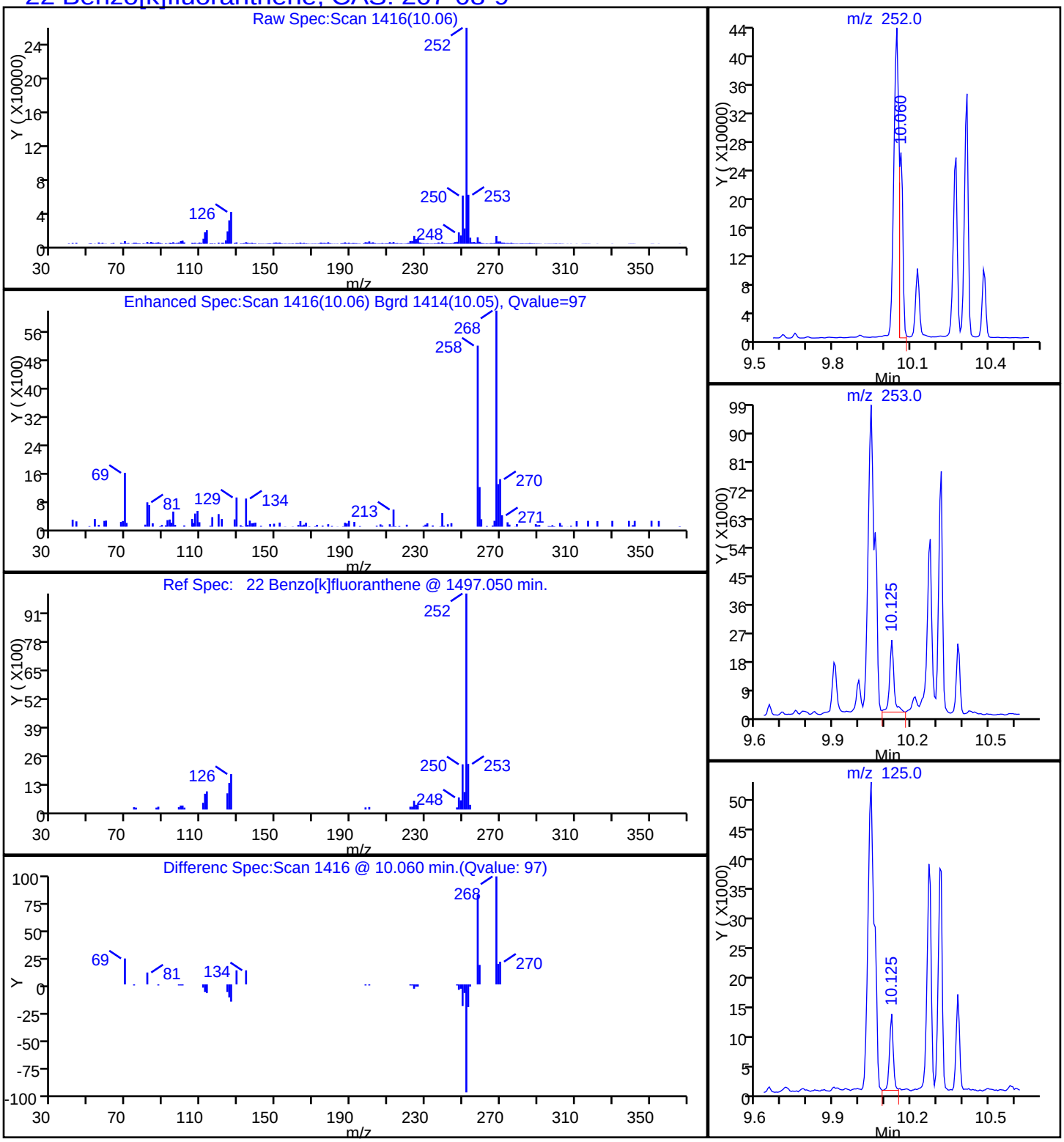


Report Date: 16-Oct-2014 08:47:30 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

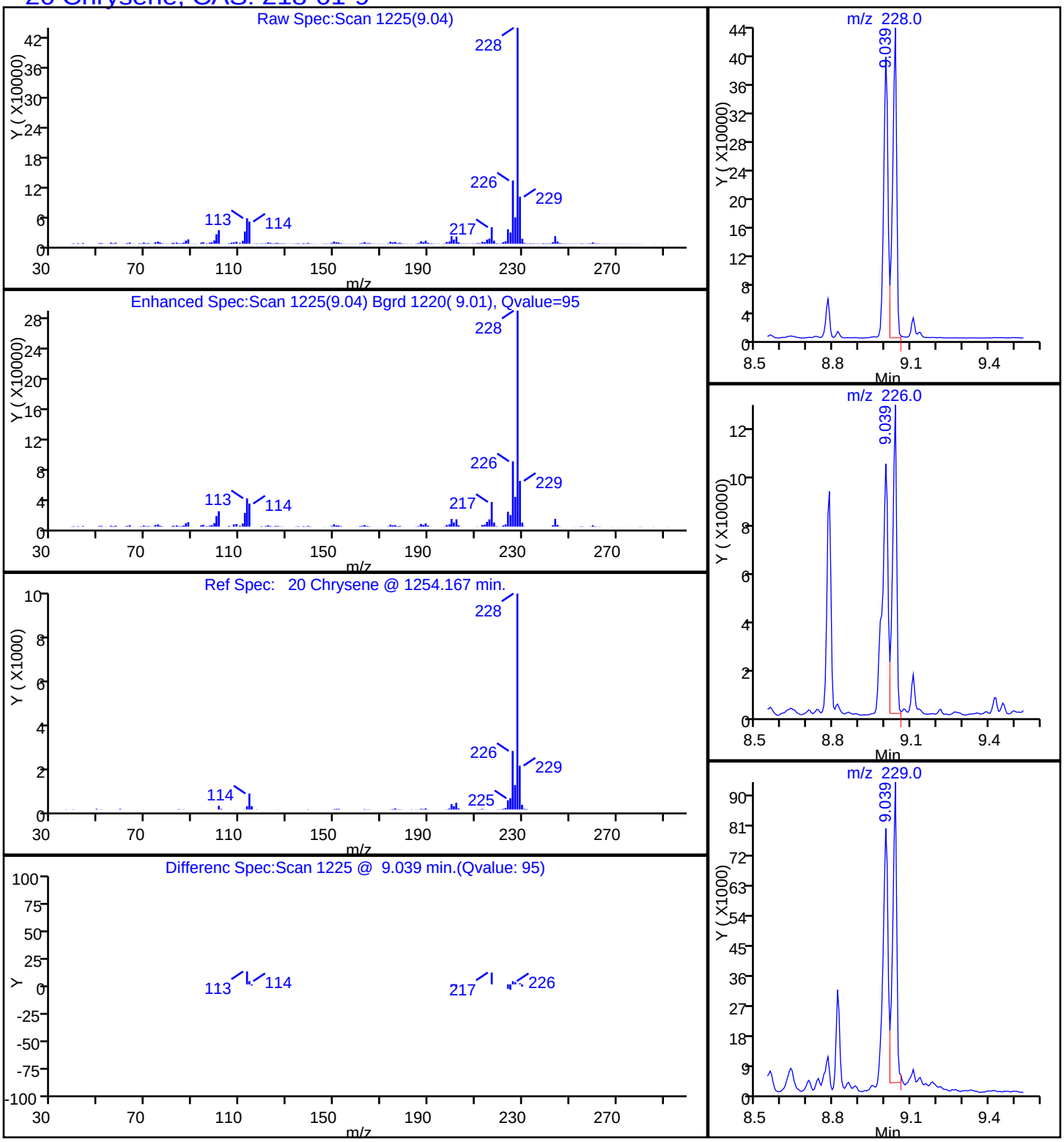


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

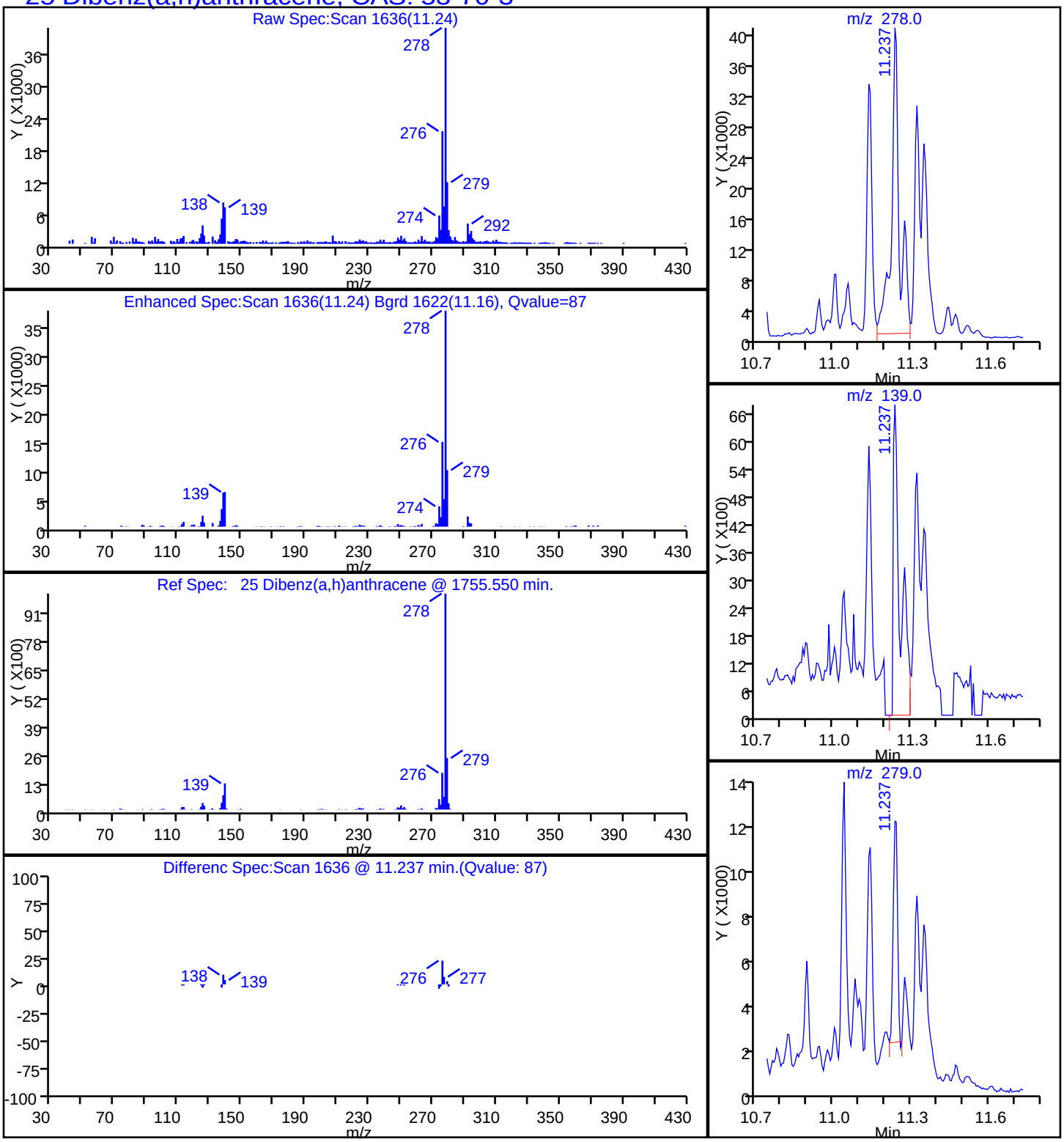


Report Date: 16-Oct-2014 08:47:30 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

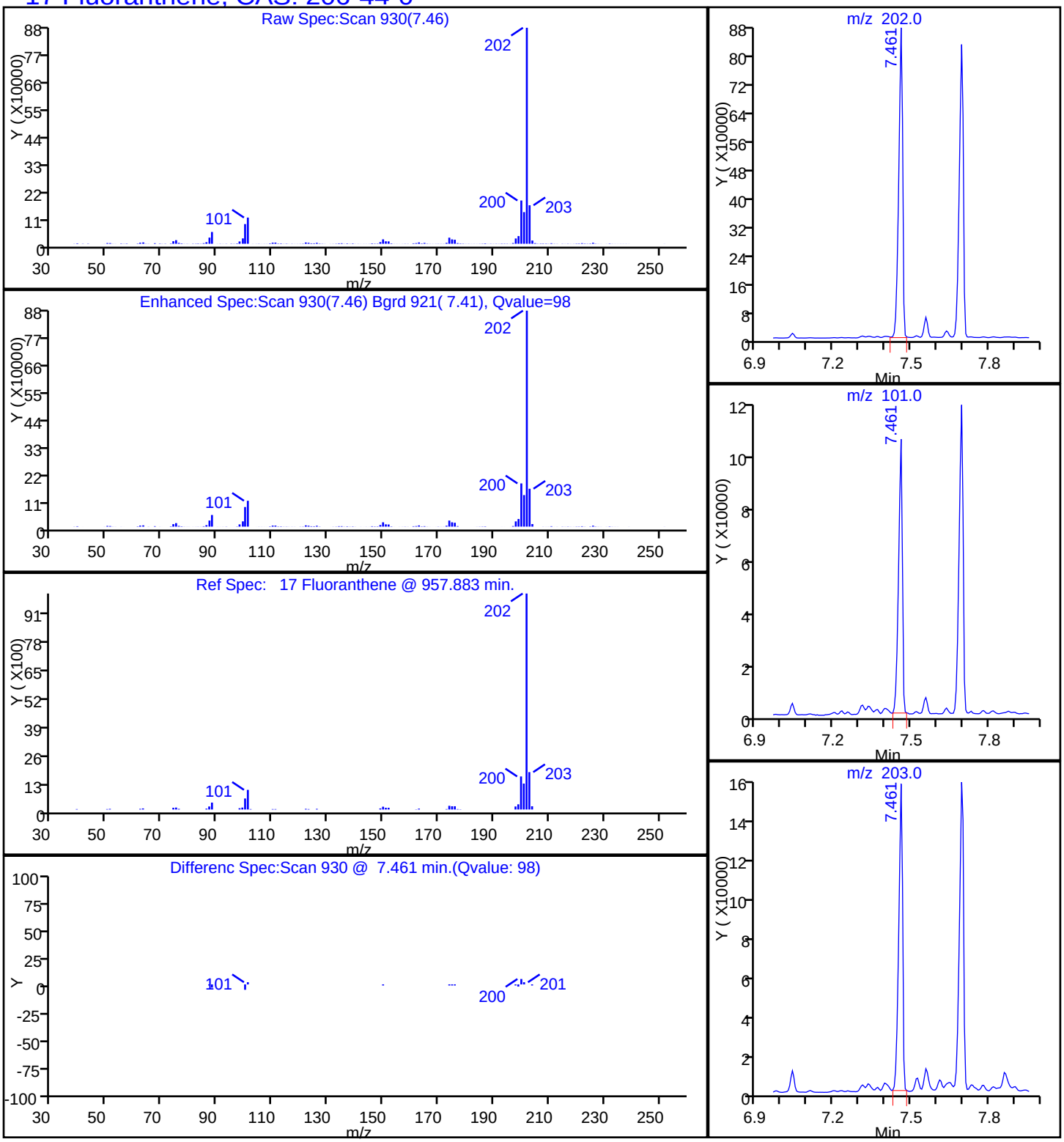


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

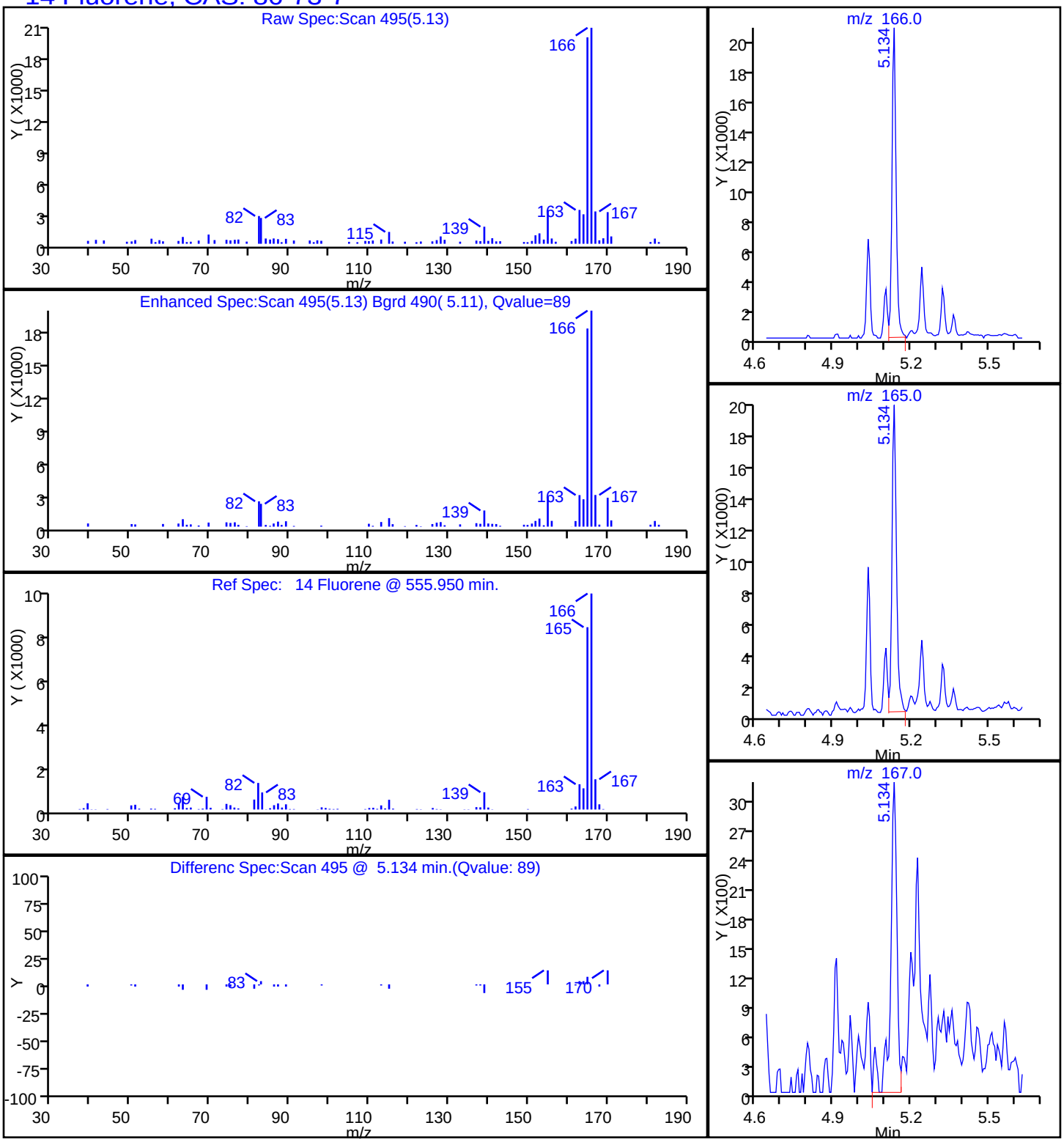


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

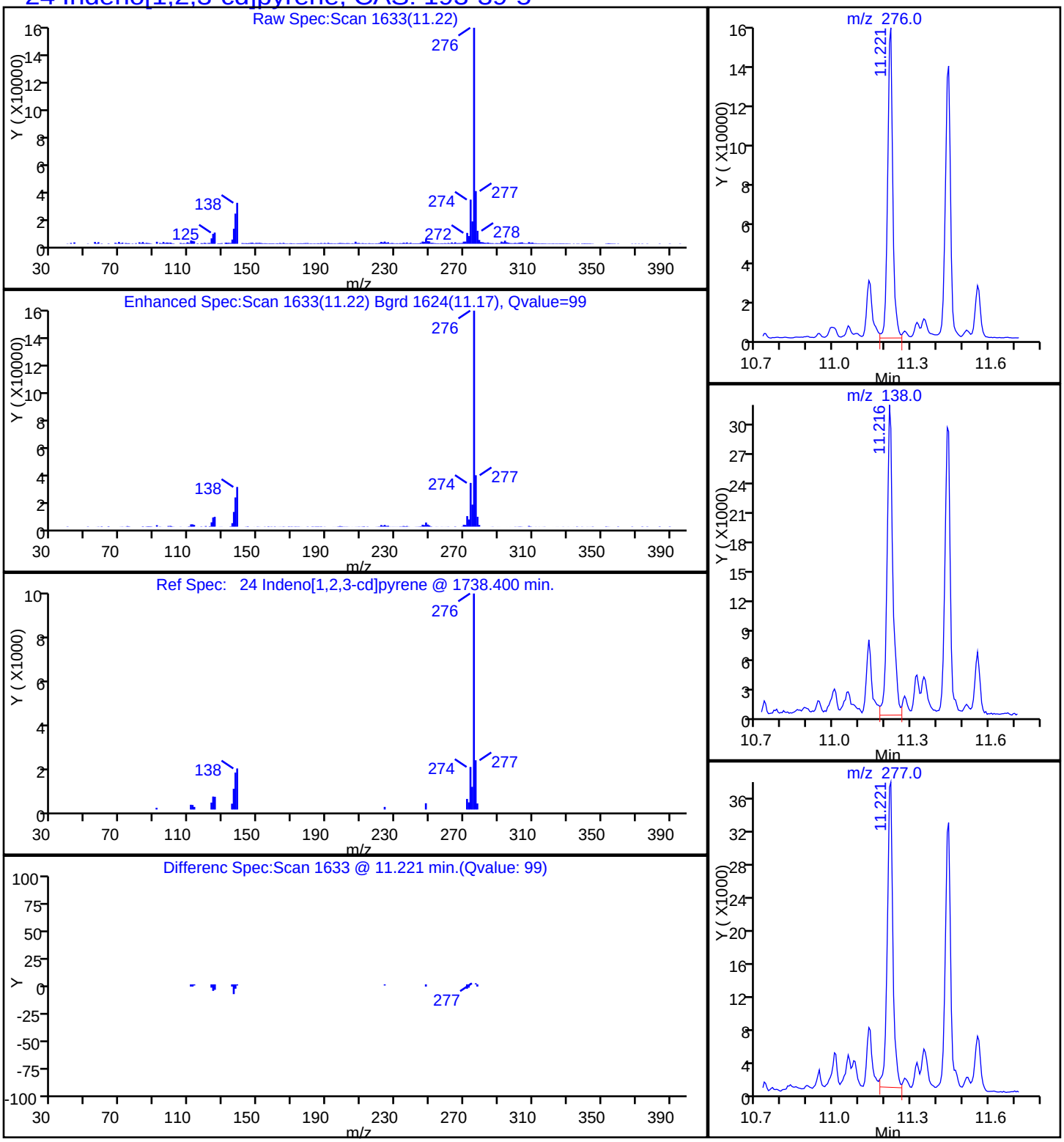


Report Date: 16-Oct-2014 08:47:30 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

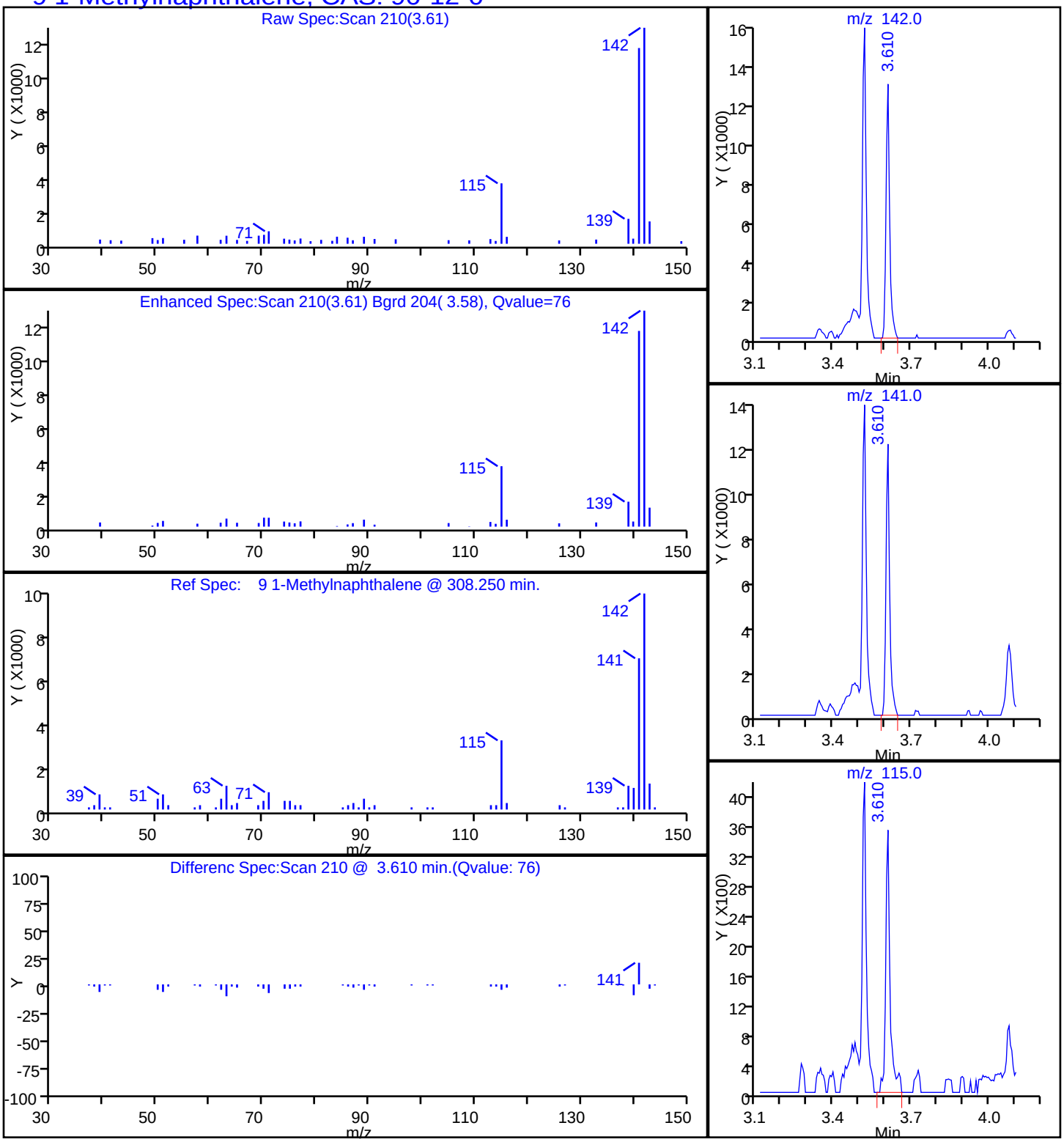


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

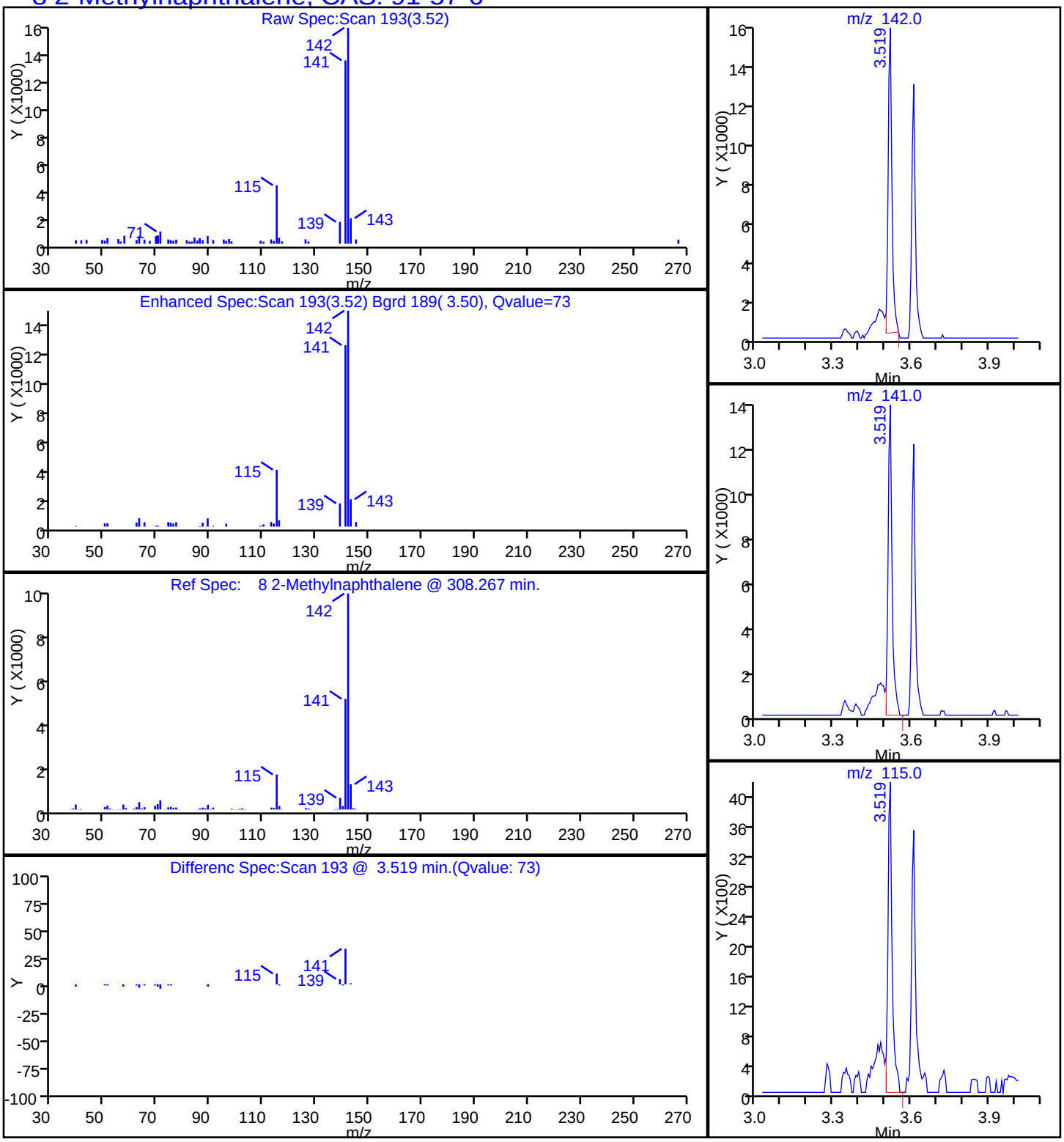


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

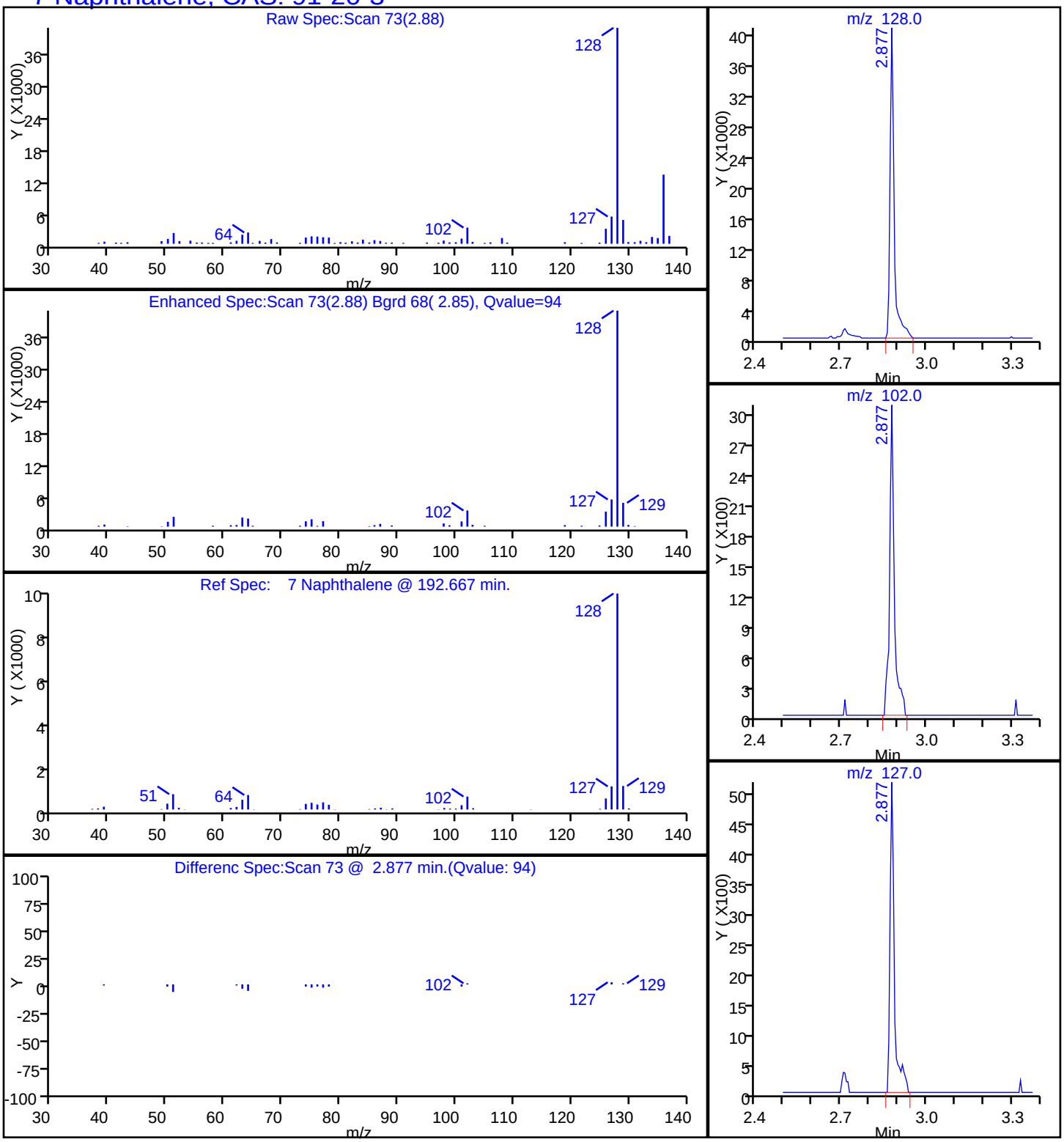


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

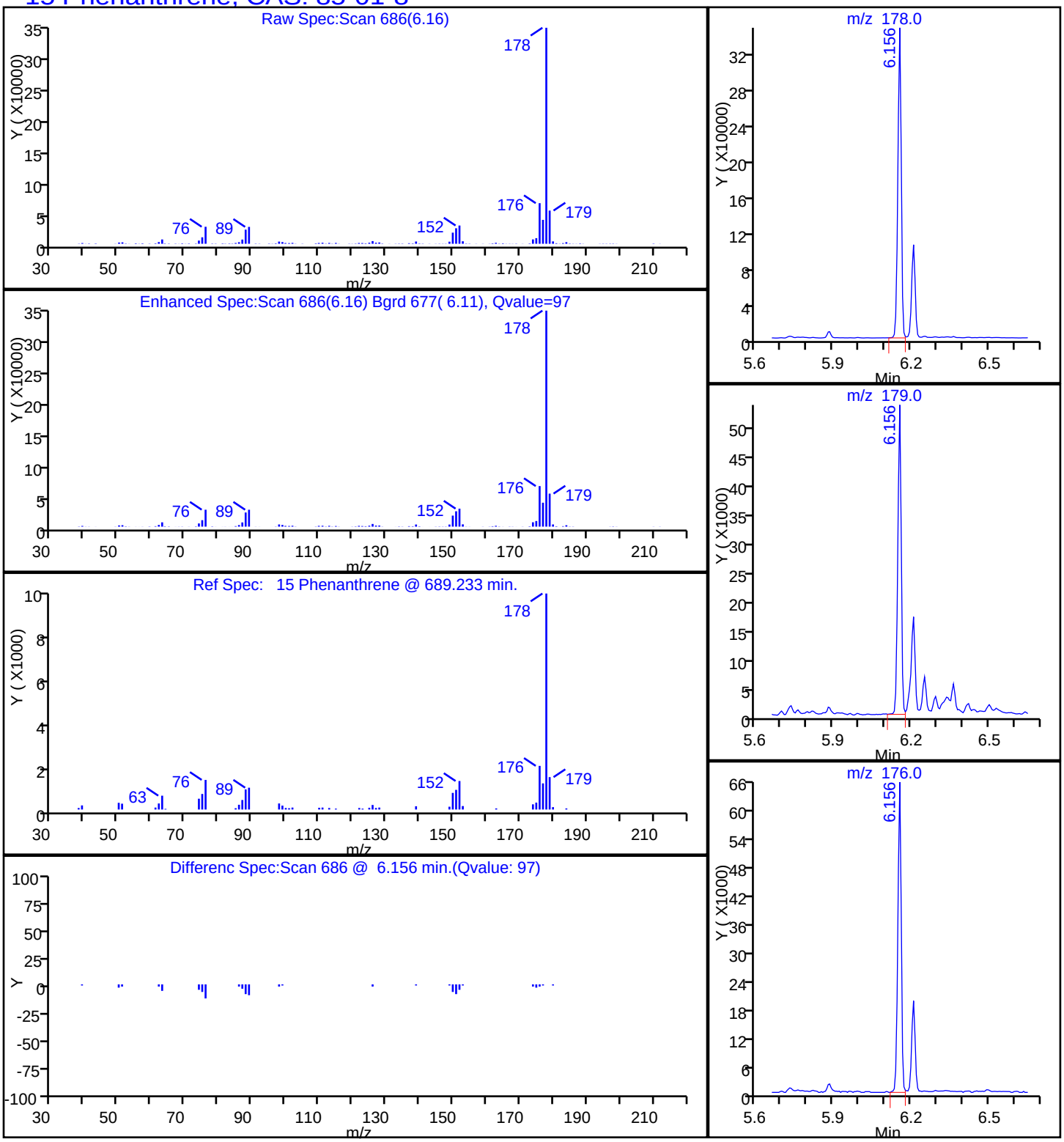


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

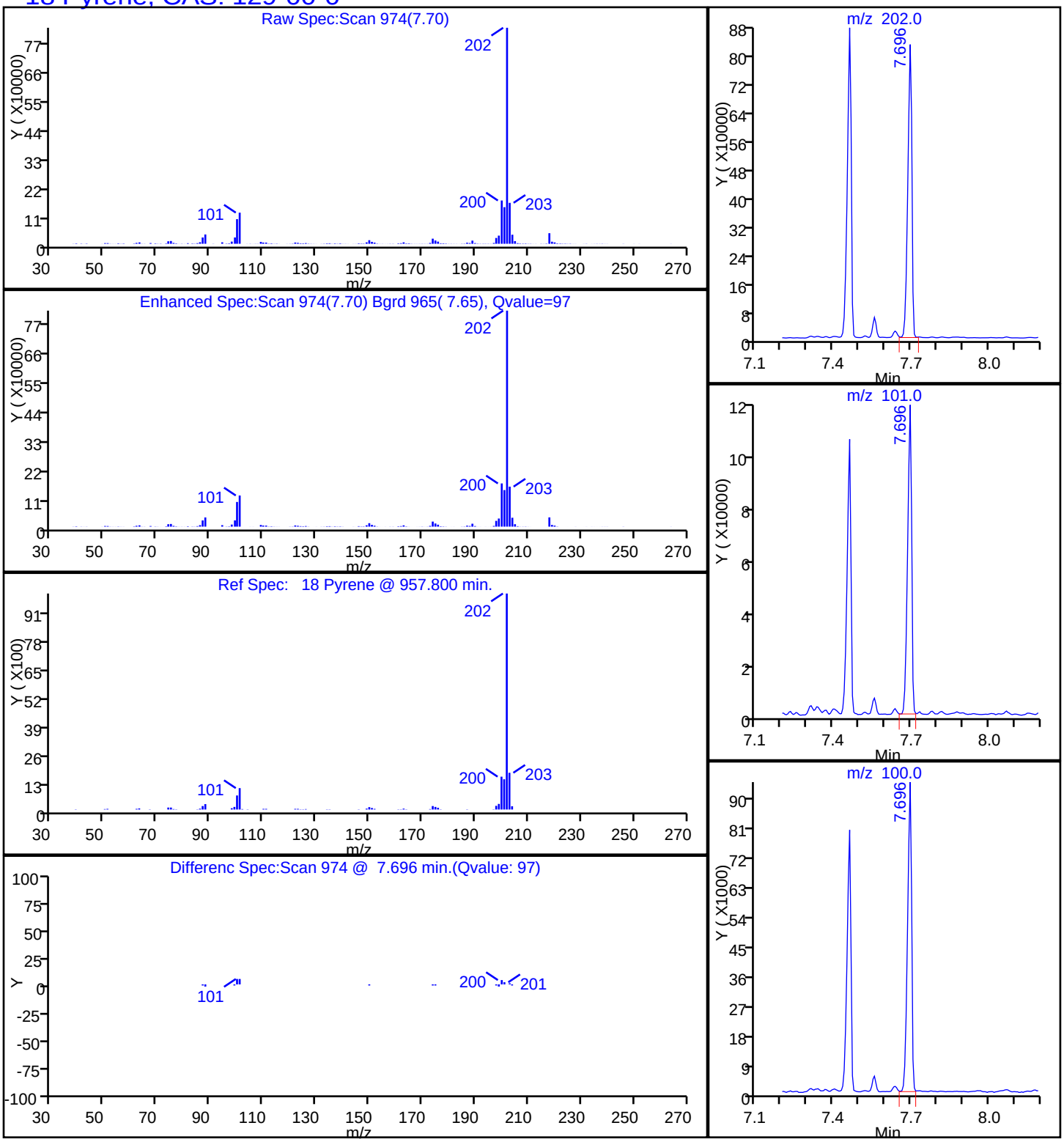


Report Date: 16-Oct-2014 08:47:29 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

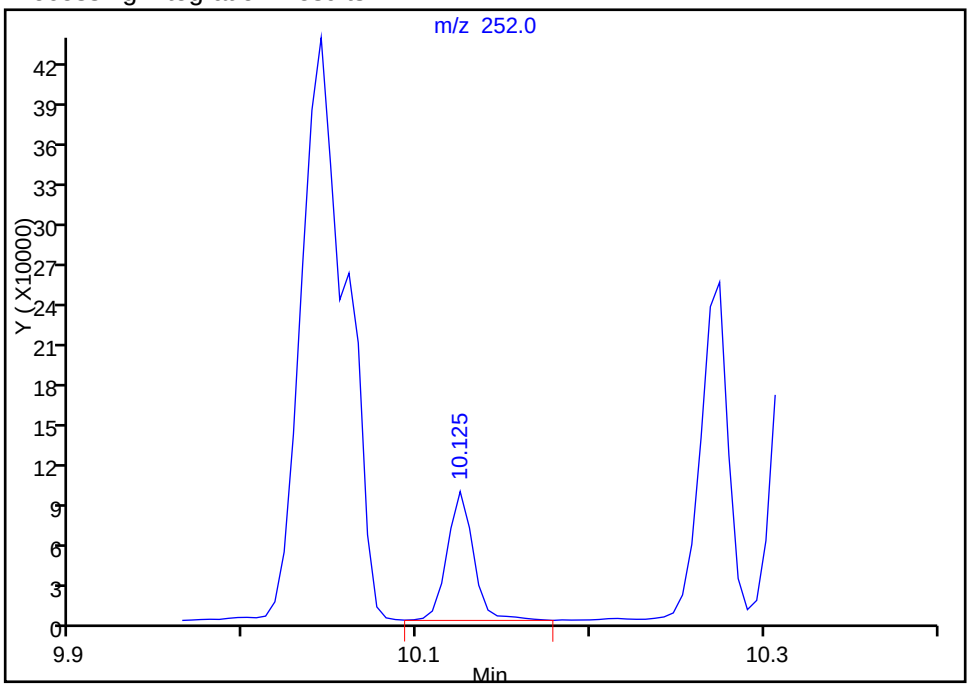
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1527.D				
Injection Date:	15-Oct-2014 22:22:30	Instrument ID:	CMSY		
Lims ID:	680-106200-A-17-A	Lab Sample ID:	680-106200-17		
Client ID:	CV0005E-CS24				
Operator ID:	RM	ALS Bottle#:	25	Worklist Smp#:	27
Injection Vol:	2.0 ul	Dil. Factor:	20.0000		
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

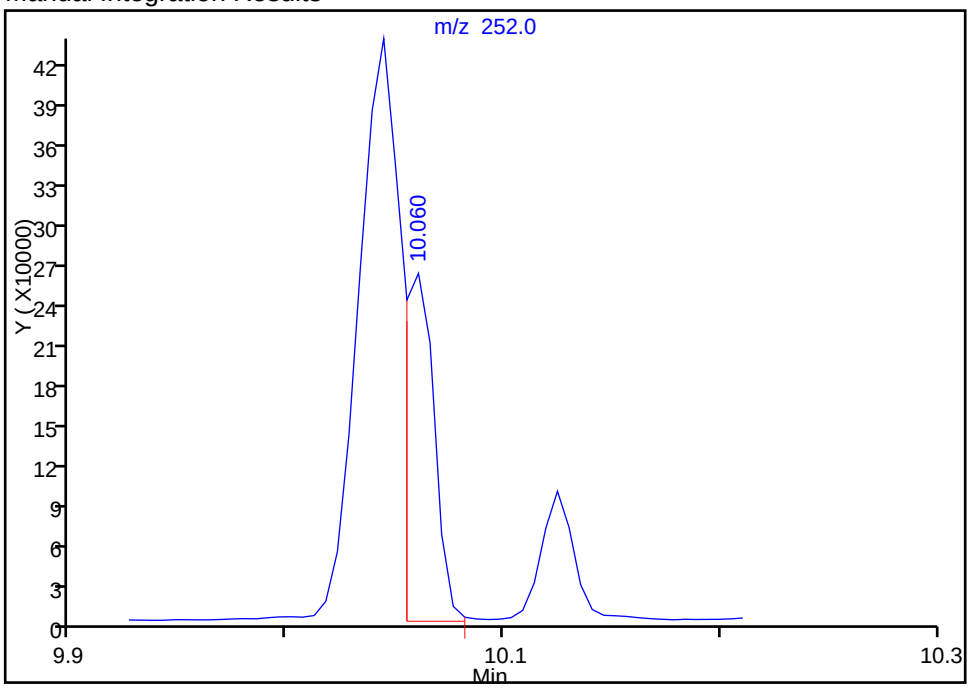
Processing Integration Results

RT: 10.12
Response: 100114
Amount: 1.925980



Manual Integration Results

RT: 10.06
Response: 249217
Amount: 4.855226



Reviewer: webbk, 16-Oct-2014 08:28:35
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.: 680-106200-1 Analy Batch No.: 352391

SDG No.: 680-106200-01

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.: 680-106200-1 Analy Batch No.: 352391

SDG No.: 680-106200-01

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.: 680-106200-1 Analy Batch No.: 352391

SDG No.: 680-106200-01

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.: 680-106200-1 Analy Batch No.: 352391

SDG No.: 680-106200-01

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:

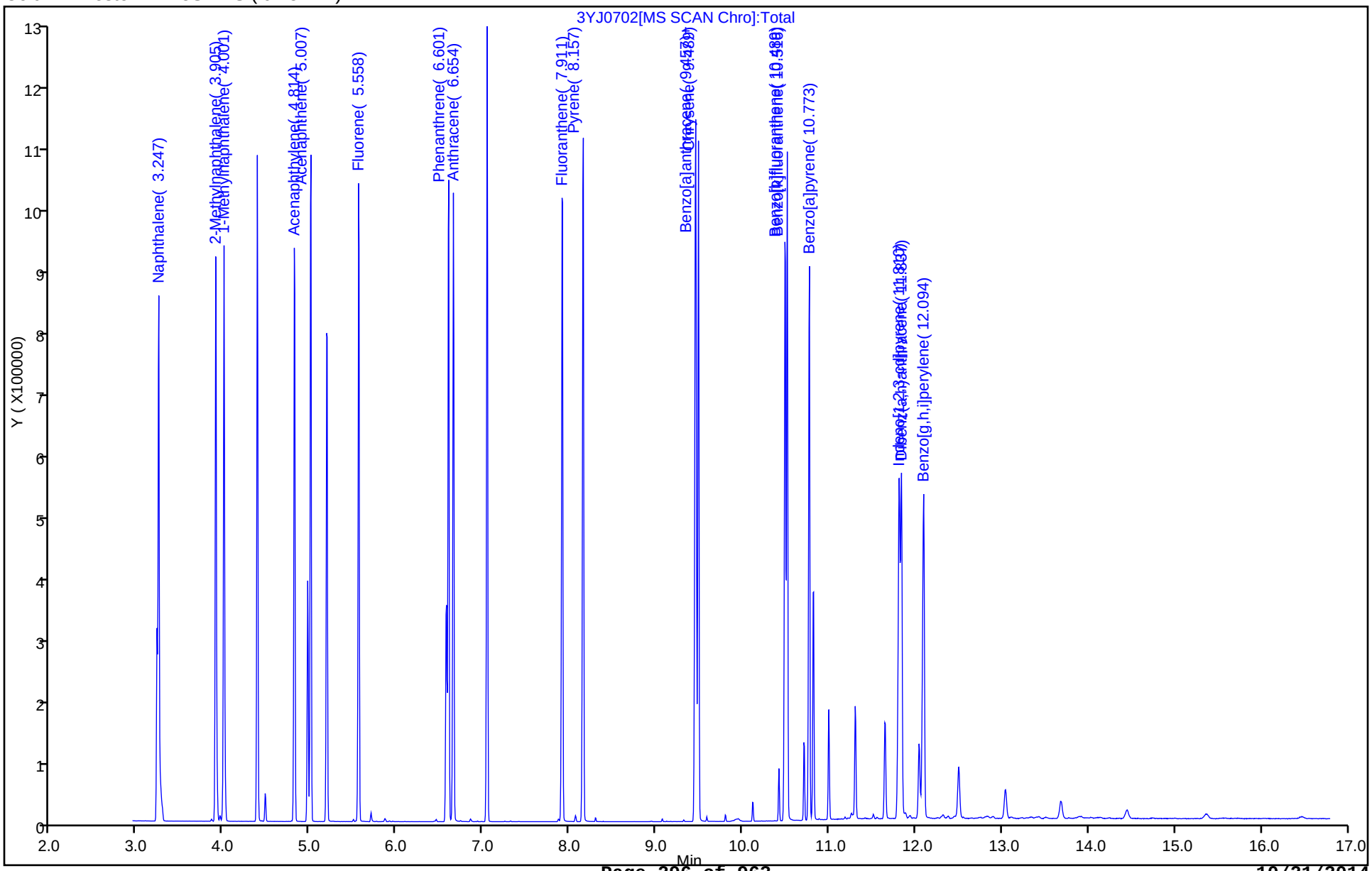
SMLLPAH5.0LVI_00022 Amount Added: 1.00 Units: mL

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:

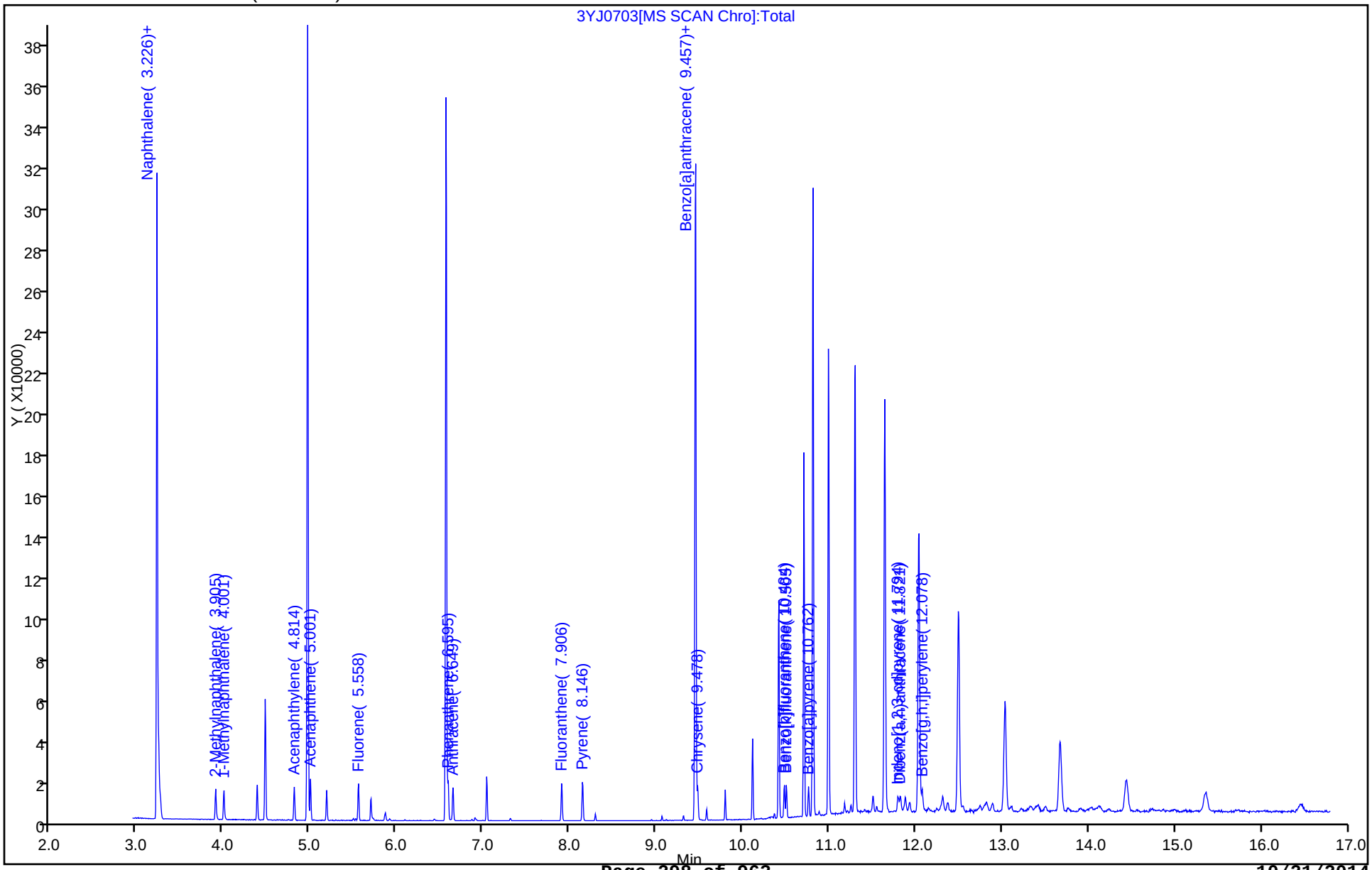
SMLLPAH0.1LVI_00019 Amount Added: 1.00 Units: mL

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:

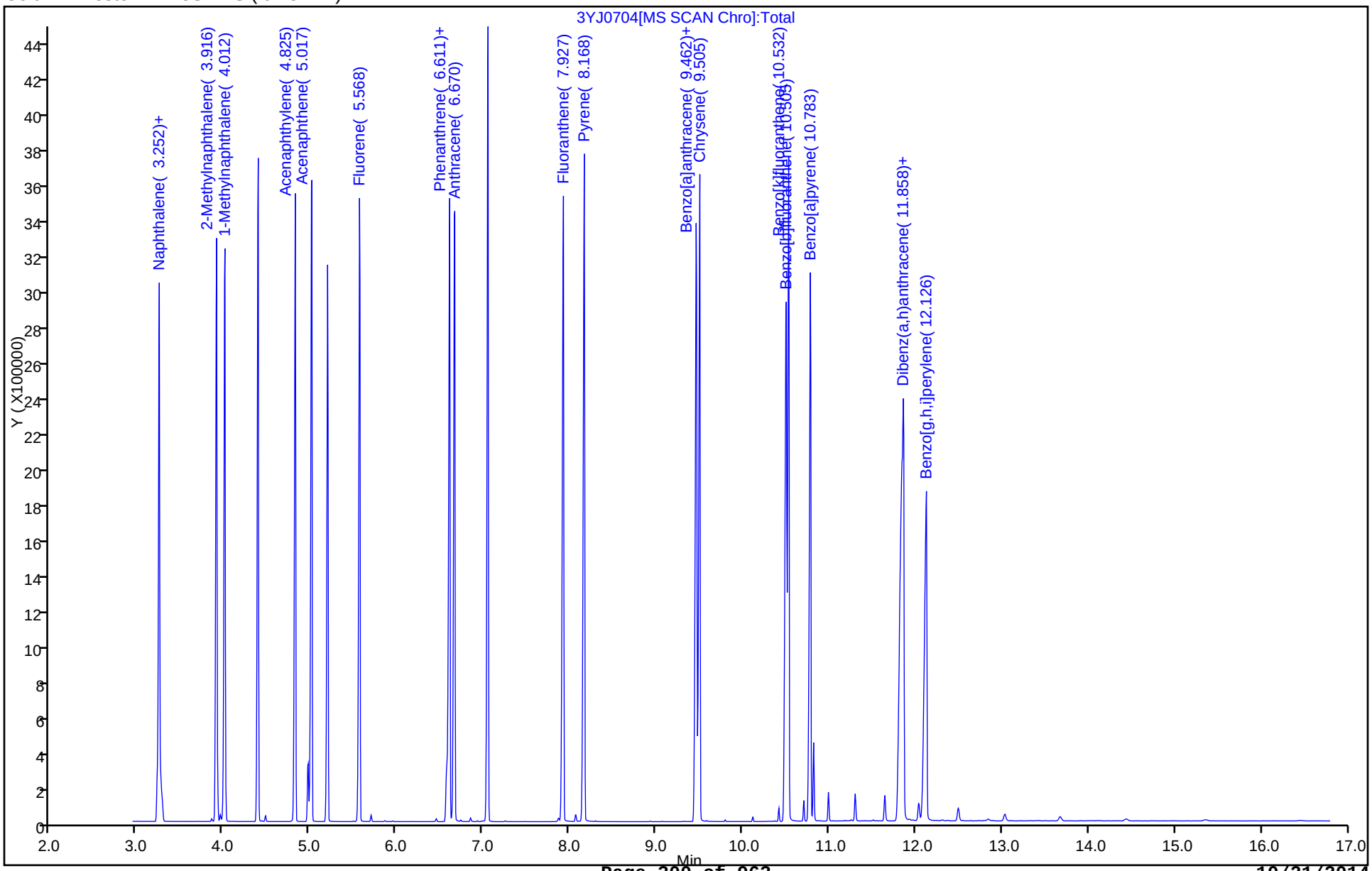
SMLLPAH20LVI_00020 Amount Added: 1.00 Units: mL

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:

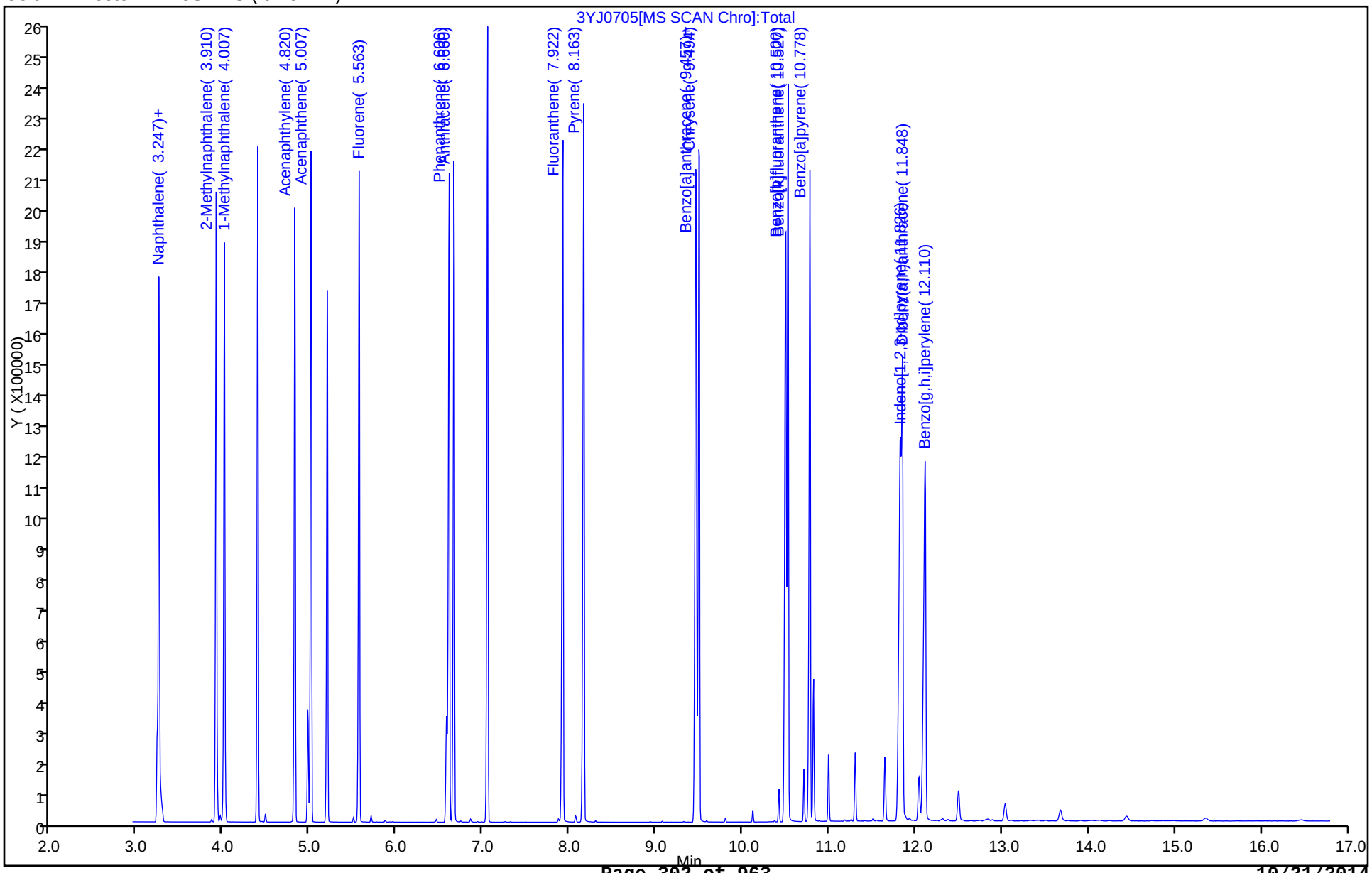
SMLLPAH10LVI_00019 Amount Added: 1.00 Units: mL

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:

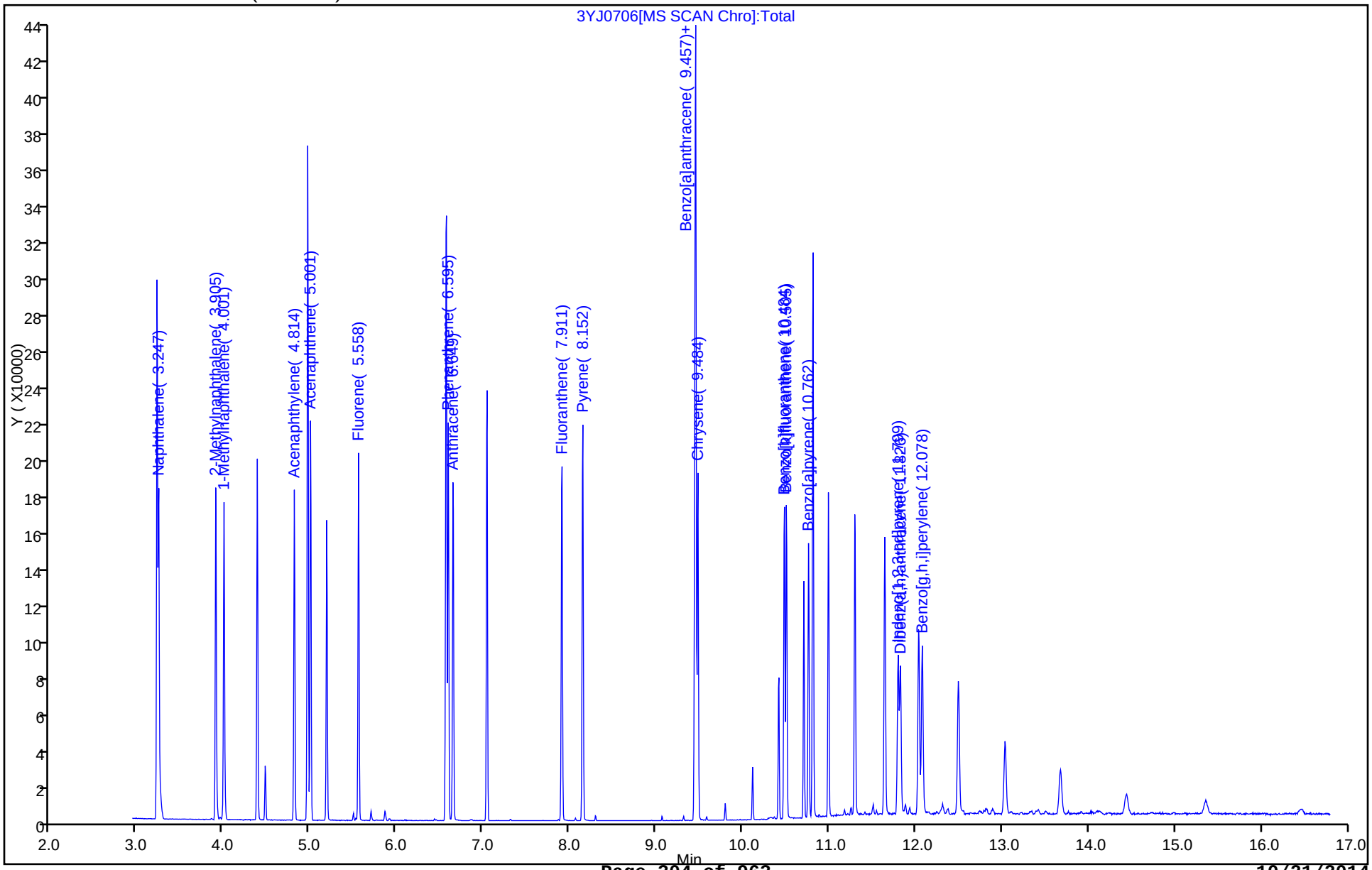
SMLLPAH1.0LVI_00017 Amount Added: 1.00 Units: mL

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

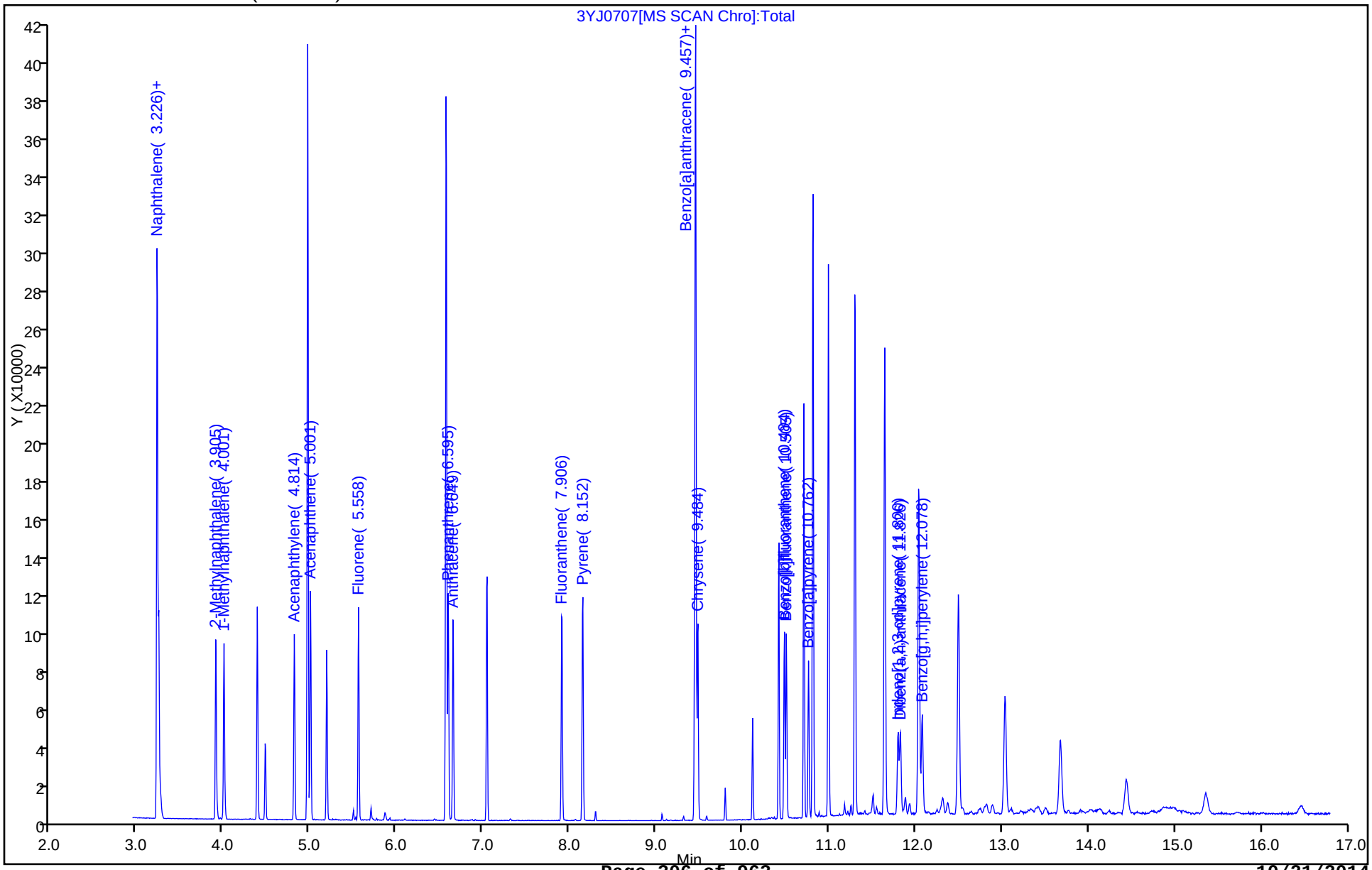
Lims ID: IC Worklist Smp#: 7

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:

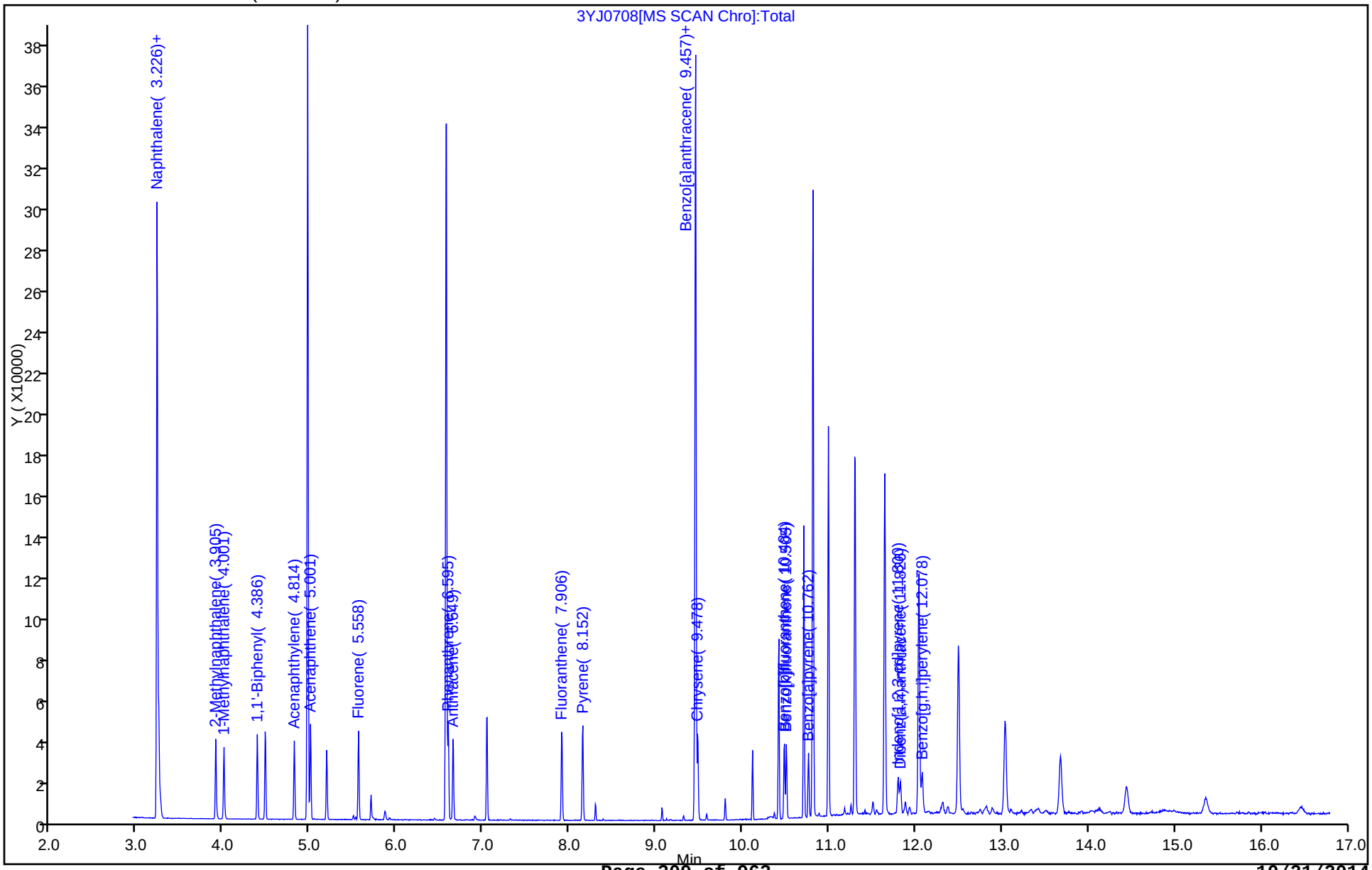
SMLLPAH0.2LVI_00018	Amount Added:	0.00	Units:	
SM-LLISTD_00106	Amount Added:	10.00	Units: uL	Run Reagent

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.: 680-106200-1

SDG No.: 680-106200-01

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:

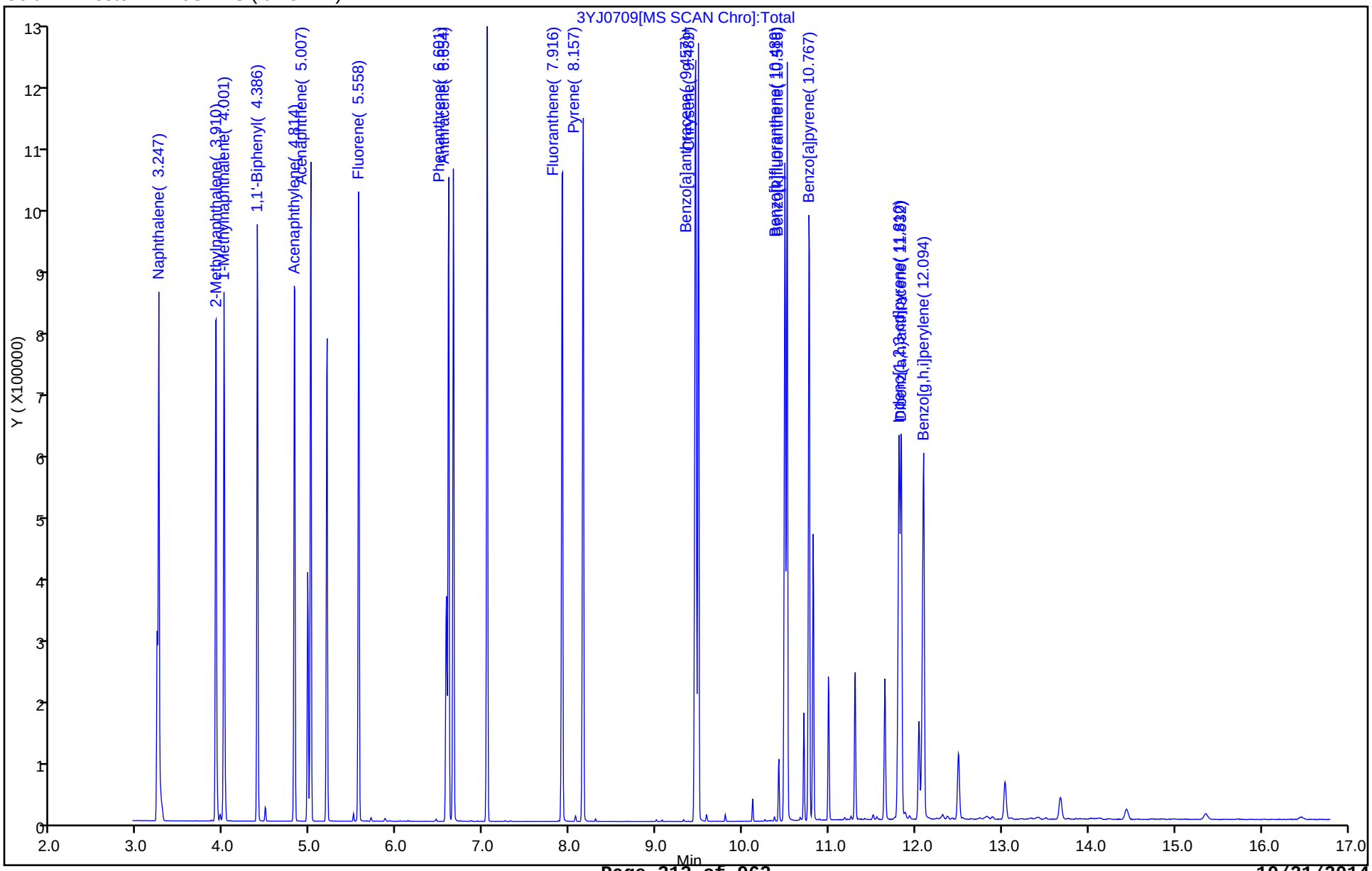
SMLLPAHICVLVI_00029 Amount Added: 1.00 Units: mL

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.: 680-106200-1

SDG No.: 680-106200-01

Lab Sample ID: CCVIS 680-353689/4 Calibration Date: 10/15/2014 13:05

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: 2YJ1504.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.091	1.151	0.7000	5.28	5.00	5.6	20.0
2-Methylnaphthalene	Ave	0.7234	0.7556	0.4000	5.22	5.00	4.5	20.0
1-Methylnaphthalene	Ave	0.6708	0.7024		5.24	5.00	4.7	20.0
Acenaphthylene	Ave	1.938	2.019	0.9000	5.21	5.00	4.2	20.0
Acenaphthene	Ave	1.245	1.275	0.9000	5.12	5.00	2.4	20.0
Fluorene	Ave	1.375	1.413	0.9000	5.14	5.00	2.8	20.0
Phenanthrene	Ave	1.197	1.191	0.7000	4.98	5.00	-0.5	20.0
Anthracene	Ave	1.190	1.174	0.7000	4.93	5.00	-1.4	20.0
Fluoranthene	Ave	1.269	1.307	0.6000	5.15	5.00	3.0	20.0
Pyrene	QuaF		1.253	0.6000	4.81	5.00	-3.9	20.0
Benzo[a]anthracene	Ave	1.170	1.124	0.7000	4.81	5.00	-3.9	20.0
Chrysene	QuaF		1.086	0.7000	5.01	5.00	0.2	20.0
Benzo[b]fluoranthene	Ave	1.315	1.238	0.4000	4.71	5.00	-5.9	20.0
Benzo[k]fluoranthene	QuaF		1.248	0.4000	4.99	5.00	-0.3	20.0
Benzo[a]pyrene	Ave	1.082	1.089	0.4000	5.03	5.00	0.6	20.0
Indeno[1,2,3-cd]pyrene	QuaF		0.9769	0.2000	4.45	5.00	-11.1	20.0
Dibenz(a,h)anthracene	QuaF		0.9185	0.2000	4.82	5.00	-3.5	20.0
Benzo[g,h,i]perylene	QuaF		0.9689	0.2000	4.88	5.00	-2.4	20.0
o-Terphenyl	QuaF		0.6732		5.20	5.00	4.0	20.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1504.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 15-Oct-2014 13:05:30 ALS Bottle#: 2 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 680-0013789-004
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub5

Method: \\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 16-Oct-2014 08:46:57 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: 15-Oct-2014 13:41:43

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	2.856	2.856	0.000	98	129074	2.00	2.00	
* 2 Acenaphthene-d10	164	4.546	4.546	0.000	91	74842	2.00	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	127647	2.00	2.00	
* 4 Chrysene-d12	240	8.996	8.996	0.000	99	139055	2.00	2.00	
* 5 Perylene-d12	264	10.344	10.344	0.000	99	133380	2.00	2.00	
$ 6 o-Terphenyl	230	6.605	6.605	0.000	91	234037	5.00	5.20	
7 Naphthalene	128	2.877	2.877	0.000	99	371567	5.00	5.28	
8 2-Methylnaphthalene	142	3.514	3.514	0.000	86	243816	5.00	5.22	
9 1-Methylnaphthalene	142	3.605	3.605	0.000	92	226668	5.00	5.24	
11 Acenaphthylene	152	4.396	4.396	0.000	98	377787	5.00	5.21	
12 Acenaphthene	153	4.584	4.584	0.000	94	238598	5.00	5.12	
14 Fluorene	166	5.129	5.129	0.000	96	264393	5.00	5.14	
15 Phenanthrene	178	6.151	6.151	0.000	96	380166	5.00	4.98	
16 Anthracene	178	6.204	6.204	0.000	99	374489	5.00	4.93	
17 Fluoranthene	202	7.445	7.445	0.000	98	417026	5.00	5.15	
18 Pyrene	202	7.680	7.680	0.000	97	435506	5.00	4.81	
19 Benzo[a]anthracene	228	8.991	8.991	0.000	98	390857	5.00	4.81	
20 Chrysene	228	9.023	9.023	0.000	99	377659	5.00	5.01	
21 Benzo[b]fluoranthene	252	10.023	10.023	0.000	99	412787	5.00	4.71	
22 Benzo[k]fluoranthene	252	10.050	10.050	0.000	98	416259	5.00	4.99	
23 Benzo[a]pyrene	252	10.296	10.296	0.000	98	363102	5.00	5.03	
24 Indeno[1,2,3-cd]pyrene	276	11.200	11.200	0.000	99	339612	5.00	4.45	
25 Dibenz(a,h)anthracene	278	11.227	11.227	0.000	98	306261	5.00	4.82	
26 Benzo[g,h,i]perylene	276	11.424	11.424	0.000	98	323080	5.00	4.88	

Reagents:

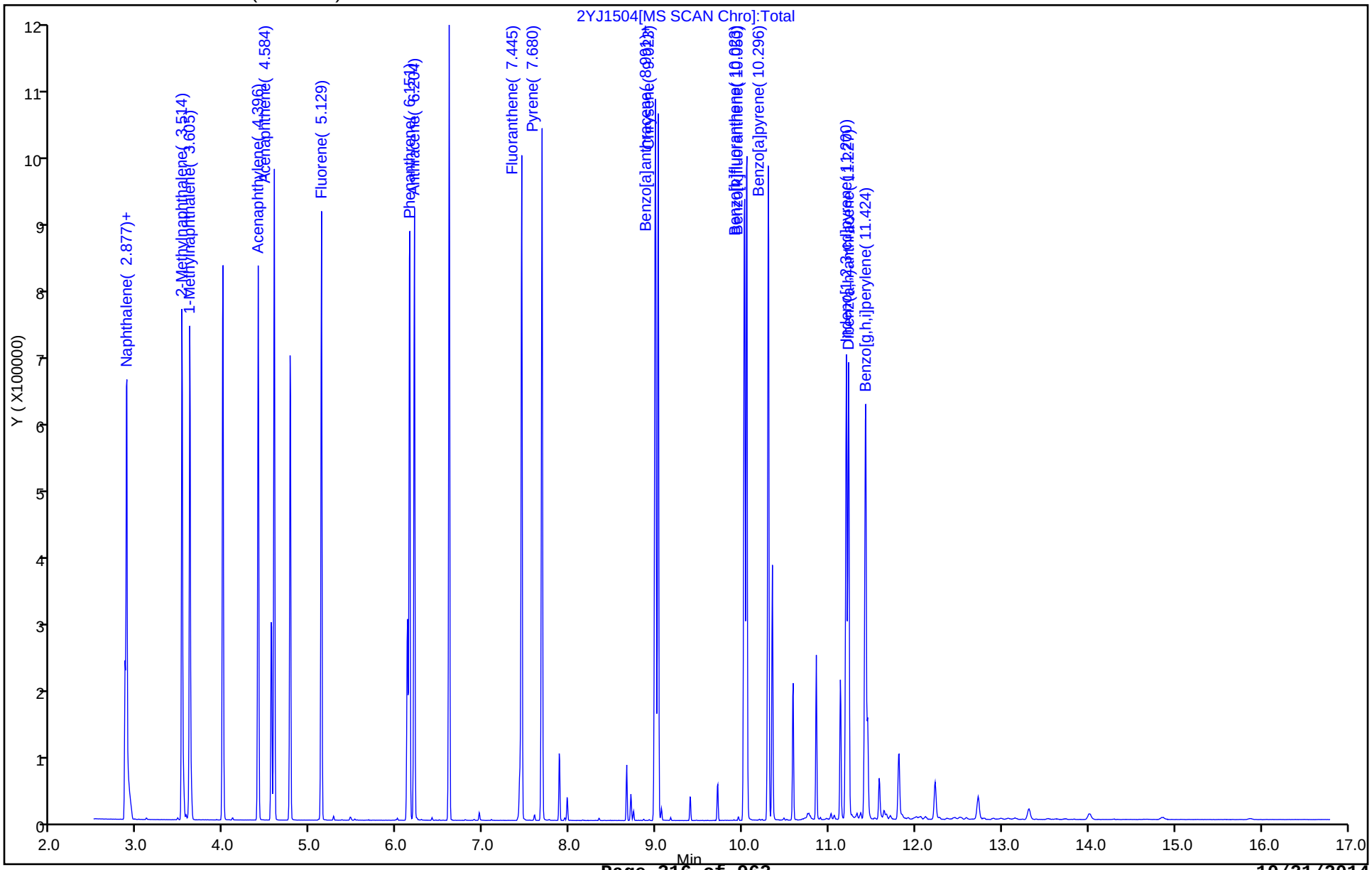
SMLLPAH5.0LVI_00022 Amount Added: 1.00 Units: mL

Report Date: 16-Oct-2014 08:46:58 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1504.D				
Injection Date:	15-Oct-2014 13:05:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	CCVIS			Worklist Smp#:	4
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.: 680-106200-1

SDG No.: 680-106200-01

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:

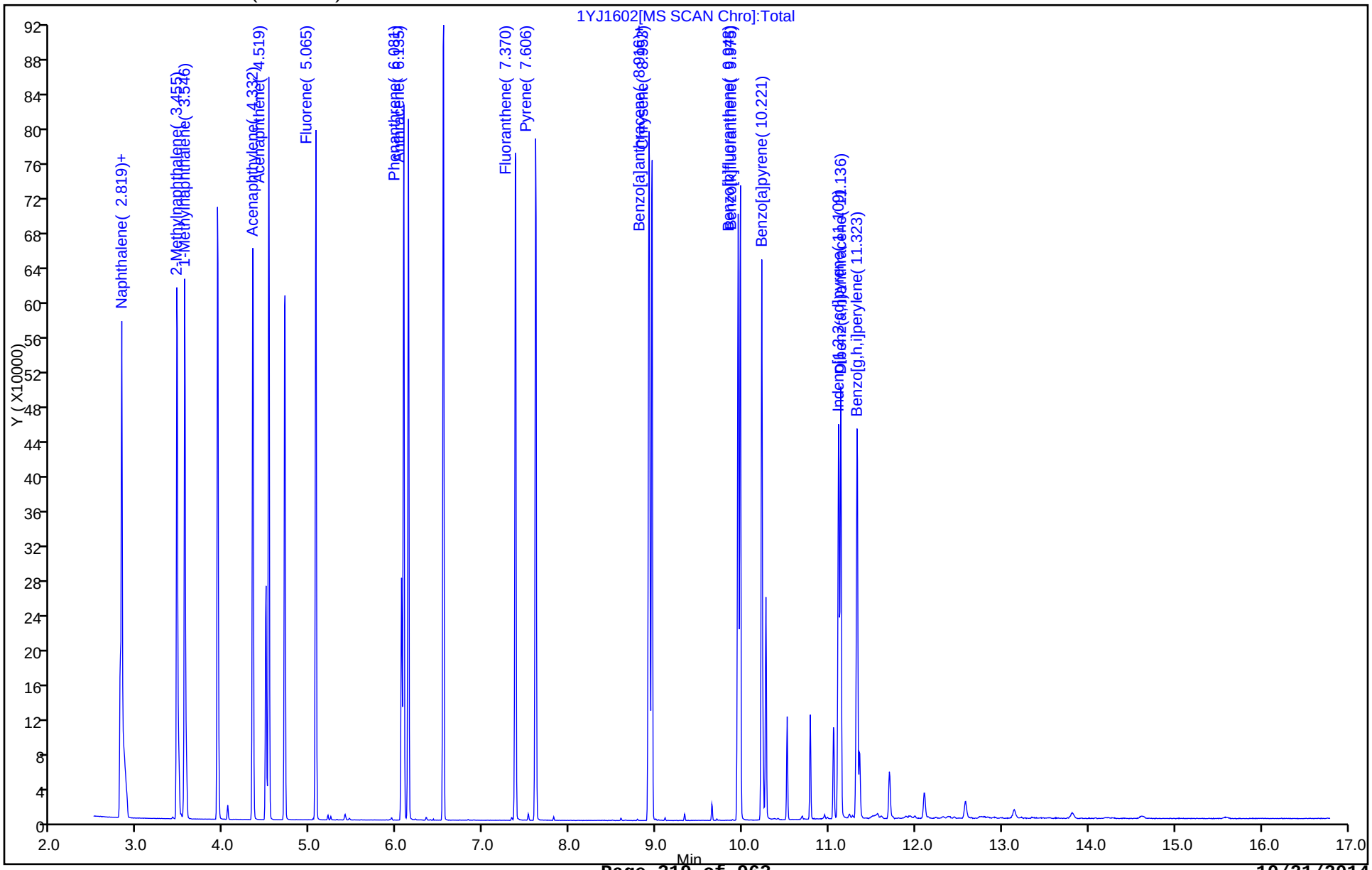
SMLLPAH5.0LVI_00022 Amount Added: 1.00 Units: mL

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)



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

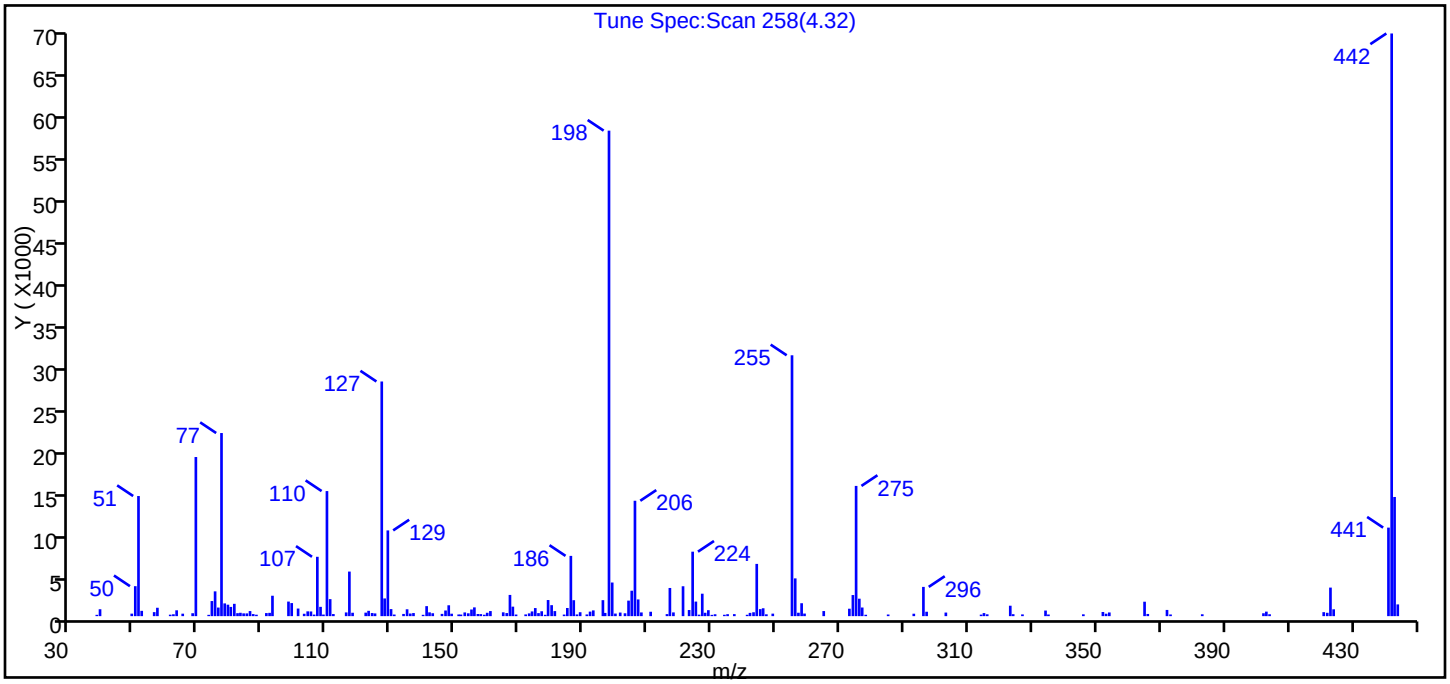
Report Date: 08-Oct-2014 12:15:25 Chrom Revision: 2.2 18-Aug-2014 12:17:36

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

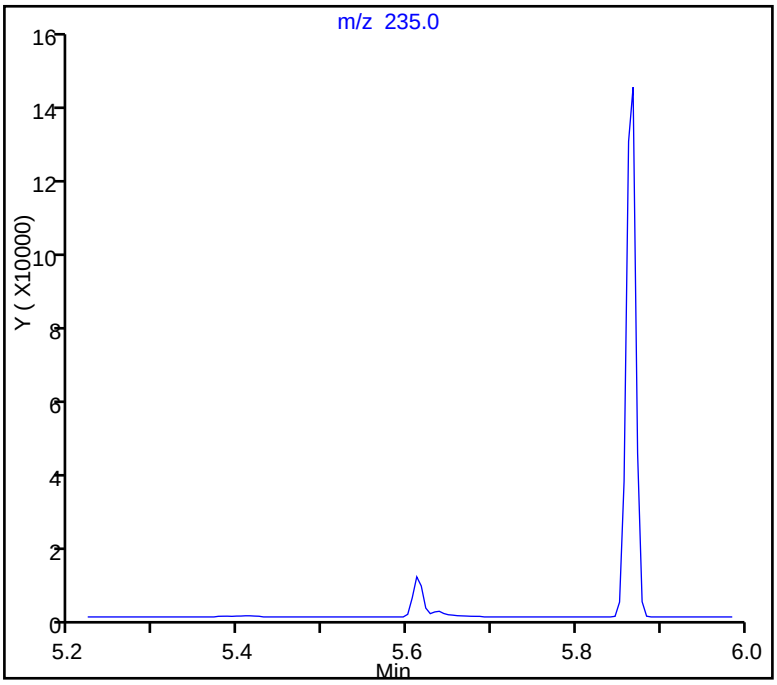
m/z	Y	m/z	Y	m/z	Y	m/z	Y
97.90	1734	160.90	604	227.90	401	373.10	199
98.90	1555	164.90	455	228.90	710	383.00	222
100.90	906	166.00	366	230.00	153	402.10	342
102.80	284	167.00	2526	231.00	225	403.00	538
103.90	570	167.90	1130	233.90	165	404.00	224
104.90	557	168.90	192	234.90	234	420.90	474
105.90	186	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\20141015-13789.b\2YJ1503.D				
Lims ID:	DFTPP				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	15-Oct-2014 12:48:30	ALS Bottle#:	1	Worklist Smp#:	3
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	DFTPP				
Misc. Info.:	680-0013789-003				
Operator ID:	RM	Instrument ID:	CMSY		
Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m				
Limit Group:	8270D_LL_PAH				
Last Update:	16-Oct-2014 08:46:56	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: waldorfj Date: 15-Oct-2014 13:27:20

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	4.958	4.958	0.000	90	392		NR	7
29 4,4'-DDD	235	5.247	5.247	0.000	6	2670		NR	7
30 4,4'-DDT	235	5.471	5.471	0.000	97	112761	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

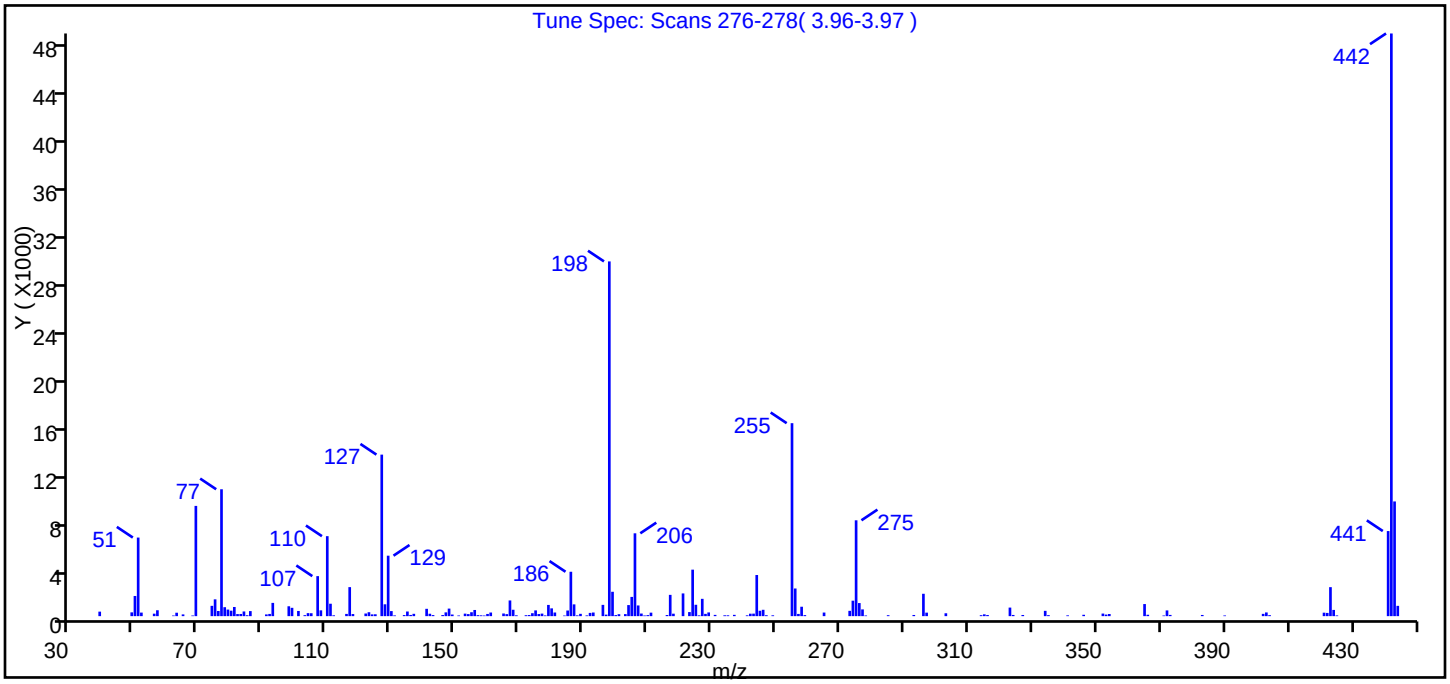
SM-LLTUNE_00079 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1503.D
Injection Date: 15-Oct-2014 12:48:30 Instrument ID: CMSY
Lims ID: DFTPP
Client ID:
Operator ID: RM ALS Bottle#: 1 Worklist Smp#: 3
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	13.50
68	Less than 2.00% of mass 69	0.10 (0.60)
69	Present	18.90
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 442	27.70
197	Less than 2.00% of mass 198	0.30 (0.40)
198	Greater than 50.00% of mass 442	60.90
199	5.00 - 9.00% of mass 198	4.20 (6.90)
275	10.00 - 60.00% of mass 442	16.40
365	Greater than 1.00% of mass 442	2.10
441	Present, but less than mass 443	14.60 (74.20)
443	15.00 - 24.00% of mass 442	19.70

Data File: \\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1503.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 15-Oct-2014 12:48:30
Spectrum: Tune Spec: Scans 276-278(3.96-3.97)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 183

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	376	127.00	13481	189.00	193	259.00	86
49.00	316	128.00	989	191.00	61	265.00	300
50.00	1683	129.00	5046	192.00	271	273.00	443
51.00	6559	130.00	422	193.00	303	274.00	1290
52.00	297	131.00	62	196.00	941	275.00	7999
56.00	206	134.00	89	197.00	126	276.00	1092
57.00	492	135.00	387	198.00	29608	277.00	563
62.00	53	136.00	100	199.00	2034	278.00	55
63.00	285	137.00	194	200.00	88	285.00	78
65.00	145	141.00	611	201.00	163	293.00	97
68.00	53	142.00	200	203.00	170	296.00	1867
69.00	9201	143.00	89	204.00	923	297.00	292
74.00	860	146.00	92	205.00	1605	303.00	241
75.00	1403	147.00	315	206.00	6914	314.00	79
76.00	430	148.00	630	207.00	892	315.00	151
77.00	10590	149.00	134	208.00	217	316.00	92
78.00	747	151.00	55	209.00	55	323.00	714
79.00	548	153.00	209	210.00	86	324.00	99
80.00	455	154.00	170	211.00	291	327.00	96
81.00	764	155.00	326	216.00	92	334.00	442
82.00	173	156.00	515	217.00	1776	335.00	82
83.00	182	157.00	82	218.00	205	341.00	65
84.00	391	158.00	67	221.00	1896	346.00	114
85.00	76	159.00	52	223.00	339	352.00	215
86.00	421	160.00	183	224.00	3880	353.00	131
91.00	144	161.00	302	225.00	949	354.00	178
92.00	184	165.00	221	226.00	65	365.00	1009
93.00	1106	166.00	168	227.00	1445	366.00	115
98.00	824	167.00	1310	228.00	190	371.00	53
99.00	695	168.00	533	229.00	309	372.00	478
101.00	432	169.00	69	231.00	105	373.00	103
103.00	83	172.00	77	234.00	70	383.00	98
104.00	251	173.00	92	235.00	68	390.00	57

Report Date: 16-Oct-2014 08:46:56 Chrom Revision: 2.2 18-Aug-2014 12:17:36
Data File: \\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1503.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 15-Oct-2014 12:48:30
Spectrum: Tune Spec: Scans 276-278(3.96-3.97)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 183

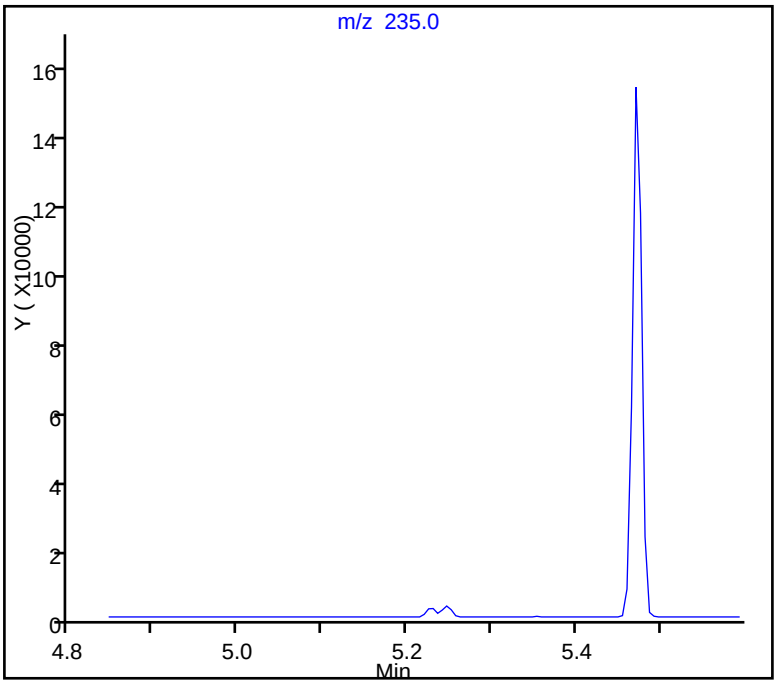
m/z	Y	m/z	Y	m/z	Y	m/z	Y
105.00	243	174.00	245	237.00	108	402.00	191
107.00	3340	175.00	479	241.00	66	403.00	309
108.00	485	176.00	174	242.00	205	404.00	82
110.00	6675	177.00	212	243.00	210	421.00	289
111.00	1036	178.00	59	244.00	3433	422.00	269
112.00	69	179.00	936	245.00	450	423.00	2420
116.00	186	180.00	650	246.00	530	424.00	519
117.00	2422	181.00	303	247.00	77	425.00	60
118.00	175	184.00	50	249.00	69	441.00	7102
122.00	219	185.00	470	255.00	16106	442.00	48632
123.00	327	186.00	3705	256.00	2308	443.00	9573
124.00	147	187.00	983	257.00	185	444.00	859
125.00	156	188.00	64	258.00	785		

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1503.D				
Injection Date:	15-Oct-2014 12:48:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	RM	ALS Bottle#:	1	Worklist Smp#:	3
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 = 112761
29 4,4'-DDD, Area = 2670
28 4,4'-DDE, Area = 392

%Breakdown: 2.64%, 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:

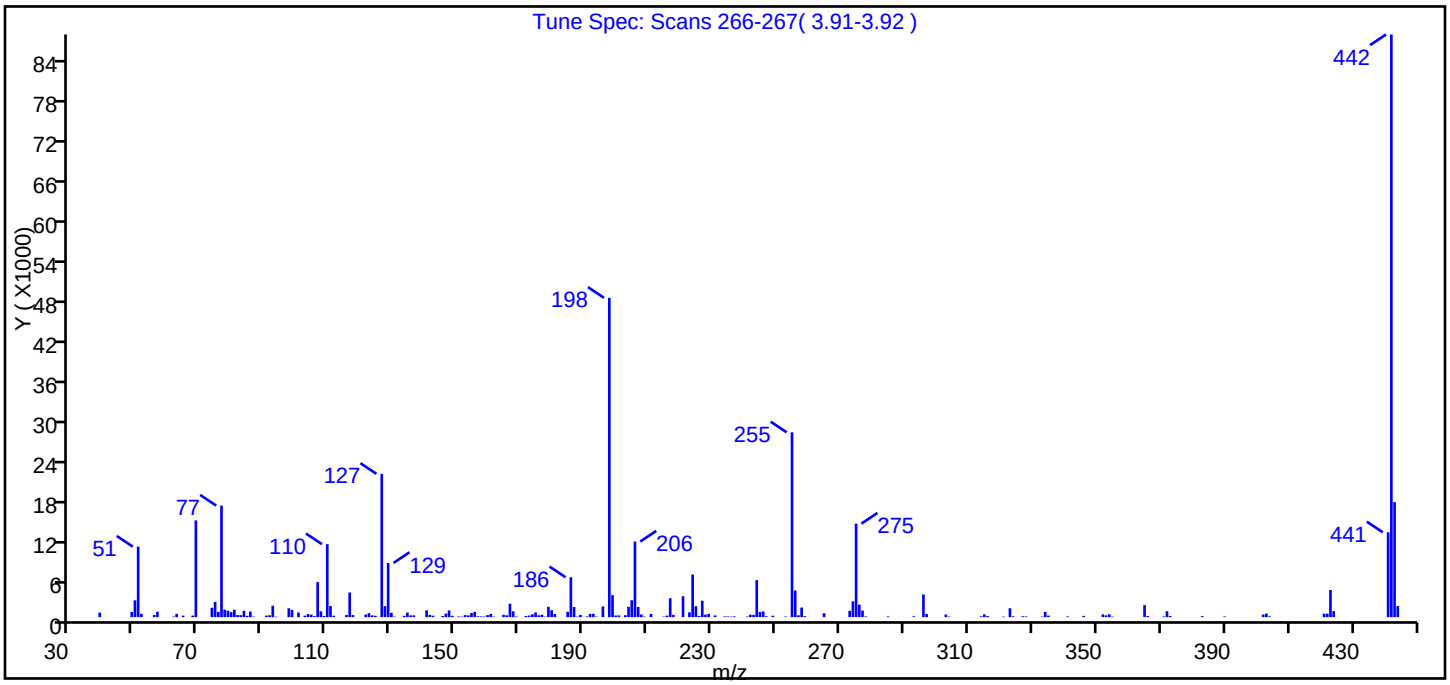
SM-LLTUNE_00079 Amount Added: 1.00 Units: mL

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

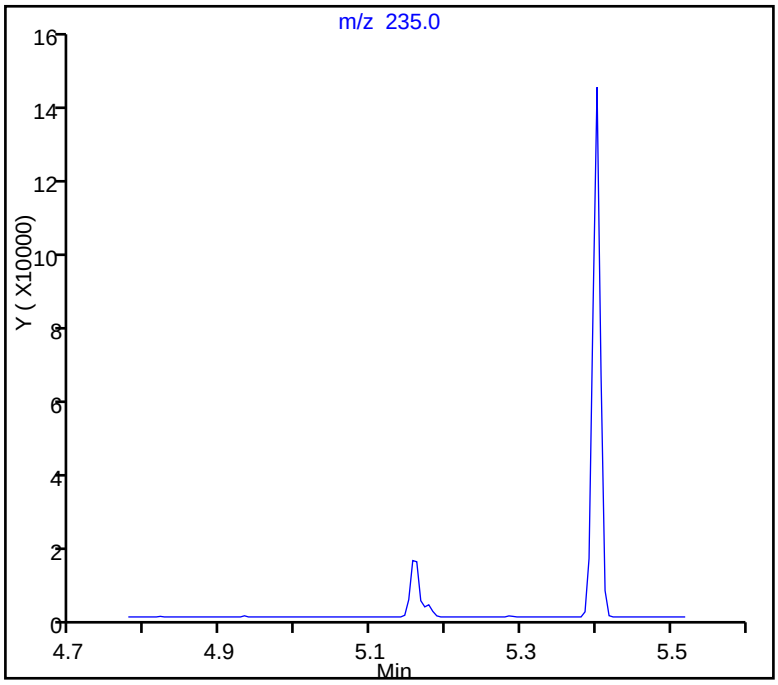
m/z	Y	m/z	Y	m/z	Y	m/z	Y
103.00	220	169.00	97	237.00	116	373.00	170
104.00	477	172.00	179	241.00	87	383.00	157
105.00	374	173.00	243	242.00	373	390.00	104
106.00	152	174.00	429	243.00	350	402.00	388
107.00	5296	175.00	725	244.00	5585	403.00	541
108.00	876	176.00	280	245.00	788	404.00	126
109.00	174	177.00	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		

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG No.: 680-106200-01
Client Sample ID:
Lab Sample ID: MB 680-353328/21-A
Matrix: Solid
Lab File ID: 2YJ1507.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 10/14/2014 10:14
Sample wt/vol: 30.02(g)
Date Analyzed: 10/15/2014 14:59
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.: 353689
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	95		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1507.D				
Lims ID:	MB 680-353328/21-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	15-Oct-2014 14:59:30	ALS Bottle#:	5	Worklist Smp#:	7
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 353328/21-A				
Misc. Info.:	680-0013789-006				
Operator ID:	RM	Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	16-Oct-2014 08:46:57	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 08:09:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.851	2.856	-0.005	98	130006	2.00	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	92	70711	2.00	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	113085	2.00	2.00	
* 4 Chrysene-d12	240	9.002	8.996	0.006	99	106109	2.00	2.00	
* 5 Perylene-d12	264	10.355	10.344	0.011	99	94859	2.00	2.00	
$ 6 o-Terphenyl	230	6.611	6.605	0.006	92	64461	2.00	1.89	

Reagents:

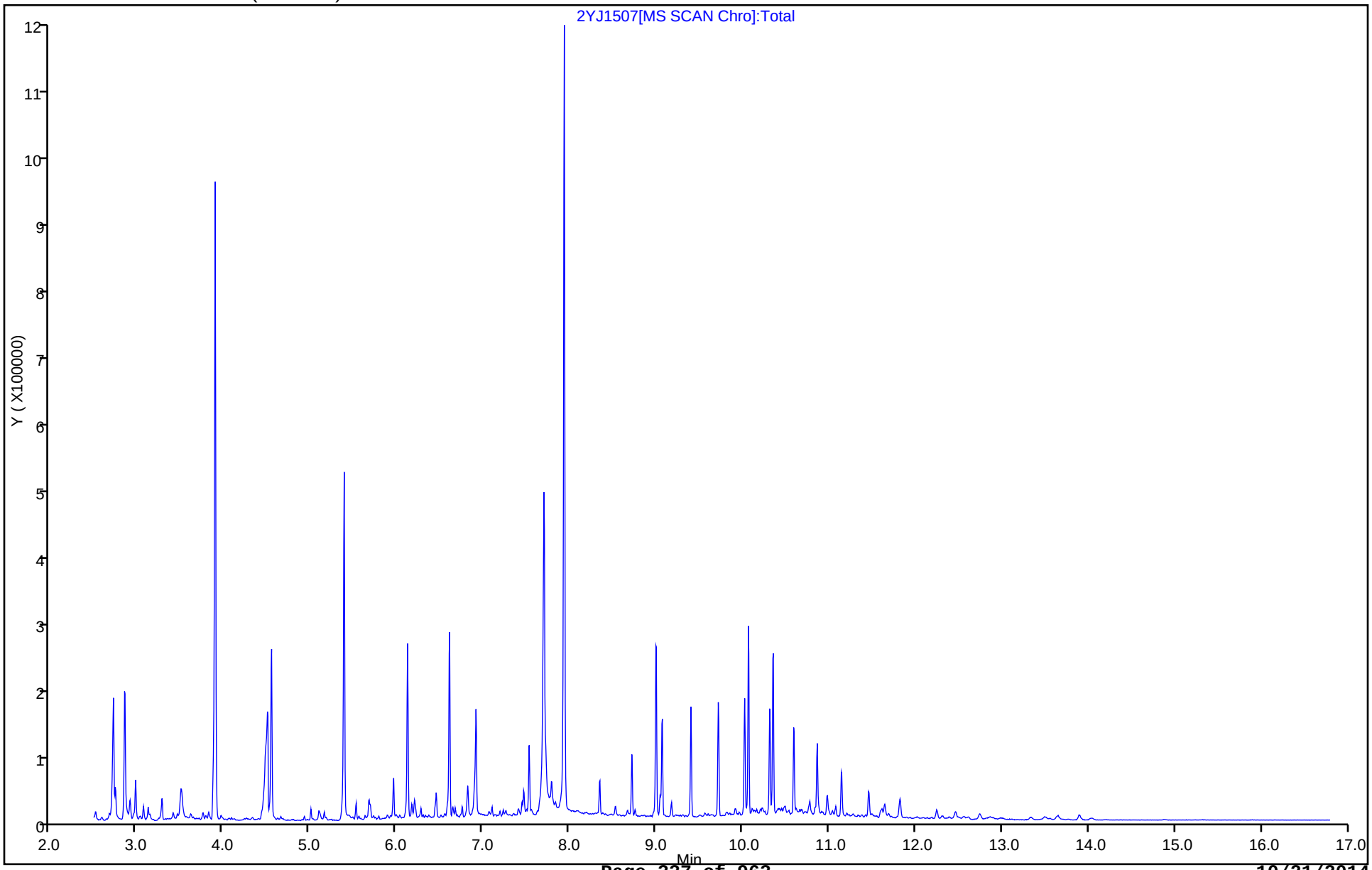
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:02 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1507.D				
Injection Date:	15-Oct-2014 14:59:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	MB 680-353328/21-A			Worklist Smp#:	7
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.: 680-106200-1
SDG No.: 680-106200-01
Client Sample ID:
Lab Sample ID: LCS 680-353328/22-A
Matrix: Solid
Lab File ID: 2YJ1508.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 10/14/2014 10:14
Sample wt/vol: 30.02(g)
Date Analyzed: 10/15/2014 15:21
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.: 353689
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	230		6.7	3.3
208-96-8	Acenaphthylene	225		6.7	3.3
120-12-7	Anthracene	251		6.7	3.3
56-55-3	Benzo[a]anthracene	274		6.7	3.3
50-32-8	Benzo[a]pyrene	287		6.7	1.2
205-99-2	Benzo[b]fluoranthene	301		6.7	3.3
191-24-2	Benzo[g,h,i]perylene	291		6.7	3.3
207-08-9	Benzo[k]fluoranthene	268		6.7	2.0
218-01-9	Chrysene	297		6.7	3.3
53-70-3	Dibenz(a,h)anthracene	297		6.7	3.3
206-44-0	Fluoranthene	266		6.7	3.3
86-73-7	Fluorene	231		6.7	3.3
193-39-5	Indeno[1,2,3-cd]pyrene	280		6.7	3.3
90-12-0	1-Methylnaphthalene	209		6.7	3.1
91-57-6	2-Methylnaphthalene	209		6.7	3.3
91-20-3	Naphthalene	203		6.7	3.3
85-01-8	Phenanthrene	251		6.7	2.4
129-00-0	Pyrene	265		6.7	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	88		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1508.D
Lims ID: LCS 680-353328/22-A
Client ID:
Sample Type: LCS
Inject. Date: 15-Oct-2014 15:21:30 ALS Bottle#: 6 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: LCS 353328/22-A
Misc. Info.: 680-0013789-006
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 16-Oct-2014 08:46:57 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: 15-Oct-2014 15:49:07

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	2.856	2.856	0.000	98	130793	2.00	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	92	70983	2.00	2.00	
* 3 Phenanthrene-d10	188	6.129	6.124	0.005	98	114917	2.00	2.00	
* 4 Chrysene-d12	240	9.001	8.996	0.005	99	118657	2.00	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	106080	2.00	2.00	
$ 6 o-Terphenyl	230	6.611	6.605	0.006	91	67183	2.00	1.77	
7 Naphthalene	128	2.877	2.877	0.000	99	434894	10.0	6.10	
8 2-Methylnaphthalene	142	3.519	3.514	0.005	87	296152	10.0	6.26	
9 1-Methylnaphthalene	142	3.610	3.605	0.005	95	274626	10.0	6.26	
10 1,1'-Biphenyl	154	4.402	4.396	0.006	0	3748	NC	NC	
11 Acenaphthylene	152	4.402	4.396	0.006	98	464440	10.0	6.75	
12 Acenaphthene	153	4.589	4.584	0.005	93	305024	10.0	6.90	
14 Fluorene	166	5.134	5.129	0.005	96	338534	10.0	6.94	
15 Phenanthrene	178	6.156	6.151	0.005	96	518129	10.0	7.53	
16 Anthracene	178	6.209	6.204	0.005	99	515739	10.0	7.54	
17 Fluoranthene	202	7.450	7.445	0.005	98	581652	10.0	7.98	
18 Pyrene	202	7.686	7.680	0.006	98	613761	10.0	7.96	
19 Benzo[a]anthracene	228	8.996	8.991	0.005	98	571636	10.0	8.24	
20 Chrysene	228	9.028	9.023	0.005	99	559407	10.0	8.92	
21 Benzo[b]fluoranthene	252	10.028	10.023	0.005	98	631327	10.0	9.05	
22 Benzo[k]fluoranthene	252	10.055	10.050	0.005	99	528056	10.0	8.06	
23 Benzo[a]pyrene	252	10.307	10.296	0.010	98	494411	10.0	8.62	
24 Indeno[1,2,3-cd]pyrene	276	11.205	11.200	0.005	98	548463	10.0	8.41	
25 Dibenz(a,h)anthracene	278	11.232	11.227	0.005	98	453028	10.0	8.92	
26 Benzo[g,h,i]perylene	276	11.435	11.424	0.011	98	462304	10.0	8.73	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

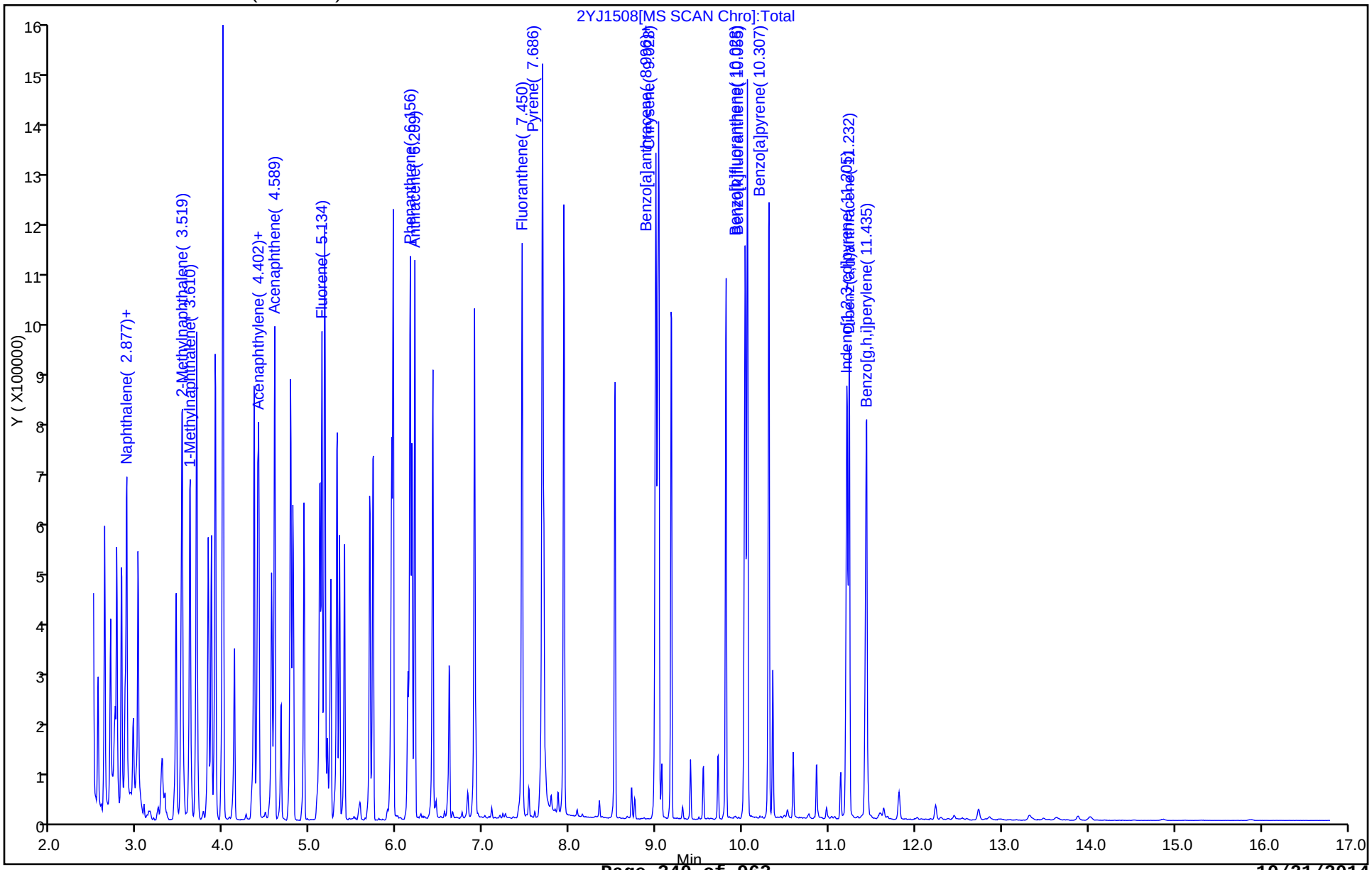
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:04 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1508.D				
Injection Date:	15-Oct-2014 15:21:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	LCS 680-353328/22-A			Worklist Smp#:	8
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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005Y-CS6 MS | Lab Sample ID: 680-106200-1 MS

Matrix: Solid | Lab File ID: 2YJ1509.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/09/2014 09:00

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

Sample wt/vol: 30.15(g) | Date Analyzed: 10/15/2014 15:43

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

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

% Moisture: 8.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	277		150	72
208-96-8	Acenaphthylene	250		150	72
120-12-7	Anthracene	319		150	72
56-55-3	Benzo[a]anthracene	717		150	72
50-32-8	Benzo[a]pyrene	736		150	26
205-99-2	Benzo[b]fluoranthene	956		150	72
191-24-2	Benzo[g,h,i]perylene	558		150	72
207-08-9	Benzo[k]fluoranthene	618		150	44
218-01-9	Chrysene	880		150	72
53-70-3	Dibenz(a,h)anthracene	358		150	72
206-44-0	Fluoranthene	1080		150	72
86-73-7	Fluorene	266		150	72
193-39-5	Indeno[1,2,3-cd]pyrene	524		150	72
90-12-0	1-Methylnaphthalene	590		150	68
91-57-6	2-Methylnaphthalene	640		150	72
91-20-3	Naphthalene	499		150	72
85-01-8	Phenanthrene	901		150	52
129-00-0	Pyrene	1050		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\CMSY\20141015-13789.b\2YJ1509.D
Lims ID: 680-106200-A-1-D MS
Client ID: CV0005Y-CS6
Sample Type: MS
Inject. Date: 15-Oct-2014 15:43:30 ALS Bottle#: 7 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 20.0000
Sample Info: 106200-A-1-D MS 1:20
Misc. Info.: 680-0013789-009
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 16-Oct-2014 08:46:57 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: 15-Oct-2014 16:29:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	2.856	2.856	0.000	98	142460	0.1000	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	91	78977	0.1000	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	126352	0.1000	2.00	
* 4 Chrysene-d12	240	8.996	8.996	0.000	99	114143	0.1000	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	104149	0.1000	2.00	
7 Naphthalene	128	2.877	2.877	0.000	99	53290	0.5000	0.6858	
8 2-Methylnaphthalene	142	3.514	3.514	0.000	86	45311	0.5000	0.8794	
9 1-Methylnaphthalene	142	3.605	3.605	0.000	92	38688	0.5000	0.8097	
13 Dibenzofuran	168	4.343	4.225	0.118	29	2542	NC	NC	
10 1,1'-Biphenyl	154	4.402	4.396	0.006	0	284	NC	NC	
11 Acenaphthylene	152	4.396	4.396	0.000	98	26245	0.5000	0.3429	
12 Acenaphthene	153	4.584	4.584	0.000	94	18674	0.5000	0.3798	
14 Fluorene	166	5.129	5.129	0.000	96	19845	0.5000	0.3656	
15 Phenanthrene	178	6.151	6.151	0.000	96	93567	0.5000	1.24	
16 Anthracene	178	6.204	6.204	0.000	99	32905	0.5000	0.4375	
17 Fluoranthene	202	7.445	7.445	0.000	98	119199	0.5000	1.49	
18 Pyrene	202	7.680	7.680	0.000	98	107491	0.5000	1.44	
19 Benzo[a]anthracene	228	8.985	8.991	-0.006	98	65728	0.5000	0.9846	
20 Chrysene	228	9.023	9.023	0.000	99	76529	0.5000	1.21	
21 Benzo[b]fluoranthene	252	10.023	10.023	0.000	99	89954	0.5000	1.31	
22 Benzo[k]fluoranthene	252	10.045	10.050	-0.006	98	56304	0.5000	0.8483	
23 Benzo[a]pyrene	252	10.296	10.296	0.000	98	56903	0.5000	1.01	
24 Indeno[1,2,3-cd]pyrene	276	11.200	11.200	0.000	99	45110	0.5000	0.7198	
25 Dibenz(a,h)anthracene	278	11.227	11.227	0.000	96	24225	0.5000	0.4918	
26 Benzo[g,h,i]perylene	276	11.419	11.424	-0.005	98	39384	0.5000	0.7665	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

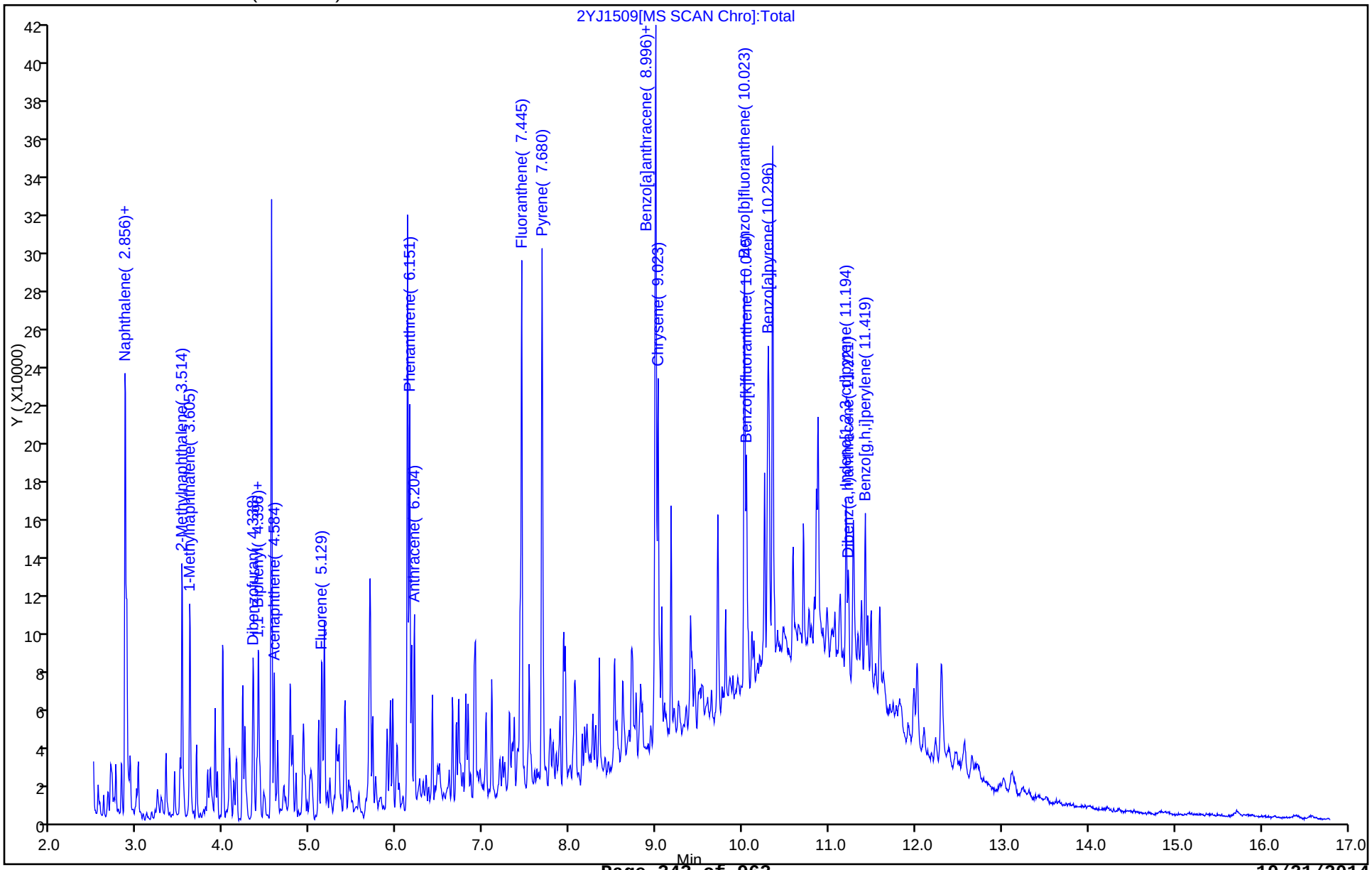
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:06 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1509.D				
Injection Date:	15-Oct-2014 15:43:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-1-D MS			Worklist Smp#:	9
Client ID:	CV0005Y-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	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.: 680-106200-1

SDG No.: 680-106200-01

Client Sample ID: CV0005Y-CS6 MSD | Lab Sample ID: 680-106200-1 MSD

Matrix: Solid | Lab File ID: 2YJ1510.D

Analysis Method: 8270D_LL_PAH | Date Collected: 10/09/2014 09:00

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

Sample wt/vol: 30.10(g) | Date Analyzed: 10/15/2014 16:05

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

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

% Moisture: 8.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 353689 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	302		150	72
208-96-8	Acenaphthylene	295		150	72
120-12-7	Anthracene	350		150	72
56-55-3	Benzo[a]anthracene	767		150	72
50-32-8	Benzo[a]pyrene	798		150	26
205-99-2	Benzo[b]fluoranthene	1190		150	72
191-24-2	Benzo[g,h,i]perylene	595		150	72
207-08-9	Benzo[k]fluoranthene	585		150	44
218-01-9	Chrysene	1000		150	72
53-70-3	Dibenz(a,h)anthracene	411		150	72
206-44-0	Fluoranthene	1130		150	72
86-73-7	Fluorene	301		150	72
193-39-5	Indeno[1,2,3-cd]pyrene	552		150	72
90-12-0	1-Methylnaphthalene	463		150	68
91-57-6	2-Methylnaphthalene	466		150	72
91-20-3	Naphthalene	400		150	72
85-01-8	Phenanthrene	855		150	53
129-00-0	Pyrene	1150		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\CMSY\20141015-13789.b\2YJ1510.D
Lims ID: 680-106200-A-1-E MSD
Client ID: CV0005Y-CS6
Sample Type: MSD
Inject. Date: 15-Oct-2014 16:05:30 ALS Bottle#: 8 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 20.0000
Sample Info: 106200-A-1-E MSD 1:20
Misc. Info.: 680-0013789-010
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20141015-13789.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 16-Oct-2014 08:46:57 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: 15-Oct-2014 16:31:29

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	2.861	2.856	0.005	98	145922	0.1000	2.00	
* 2 Acenaphthene-d10	164	4.551	4.546	0.005	91	80639	0.1000	2.00	
* 3 Phenanthrene-d10	188	6.124	6.124	0.000	98	130451	0.1000	2.00	
* 4 Chrysene-d12	240	9.001	8.996	0.005	99	116389	0.1000	2.00	
* 5 Perylene-d12	264	10.349	10.344	0.005	99	99590	0.1000	2.00	
7 Naphthalene	128	2.877	2.877	0.000	99	43623	0.5000	0.5481	
8 2-Methylnaphthalene	142	3.519	3.514	0.005	87	33725	0.5000	0.6390	
9 1-Methylnaphthalene	142	3.610	3.605	0.005	92	31053	0.5000	0.6345	
13 Dibenzofuran	168	4.343	4.225	0.118	29	3348	NC	NC	
10 1,1'-Biphenyl	154	4.396	4.396	0.000	0	421	NC	NC	
11 Acenaphthylene	152	4.396	4.396	0.000	98	31629	0.5000	0.4048	
12 Acenaphthene	153	4.583	4.584	-0.001	94	20784	0.5000	0.4140	
14 Fluorene	166	5.129	5.129	0.000	95	22855	0.5000	0.4124	
15 Phenanthrene	178	6.150	6.151	-0.001	96	91505	0.5000	1.17	
16 Anthracene	178	6.204	6.204	0.000	99	37196	0.5000	0.4791	
17 Fluoranthene	202	7.445	7.445	0.000	98	128398	0.5000	1.55	
18 Pyrene	202	7.680	7.680	0.000	98	119506	0.5000	1.57	
19 Benzo[a]anthracene	228	8.991	8.991	0.000	98	71606	0.5000	1.05	
20 Chrysene	228	9.023	9.023	0.000	99	88597	0.5000	1.37	
21 Benzo[b]fluoranthene	252	10.023	10.023	0.000	99	107250	0.5000	1.64	
22 Benzo[k]fluoranthene	252	10.044	10.050	-0.006	98	50872	0.5000	0.8014	
23 Benzo[a]pyrene	252	10.296	10.296	0.000	98	58953	0.5000	1.09	
24 Indeno[1,2,3-cd]pyrene	276	11.200	11.200	0.000	99	48352	0.5000	0.7567	
25 Dibenz(a,h)anthracene	278	11.226	11.227	-0.001	97	26535	0.5000	0.5633	
26 Benzo[g,h,i]perylene	276	11.424	11.424	0.000	98	40103	0.5000	0.8162	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

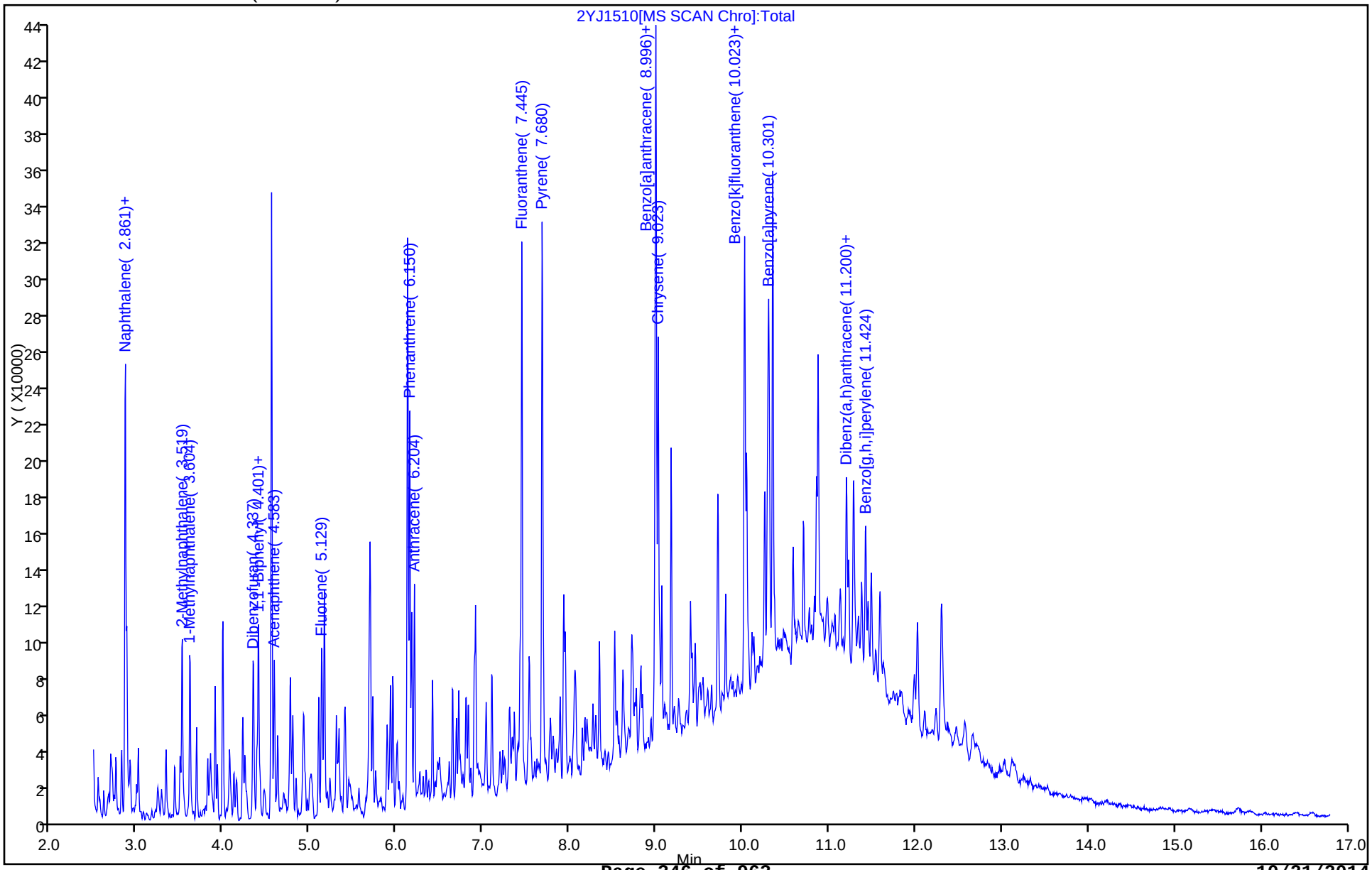
SM-LLISTD_00106 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 16-Oct-2014 08:47:08 Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20141015-13789.b\2YJ1510.D				
Injection Date:	15-Oct-2014 16:05:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-106200-A-1-E MSD			Worklist Smp#:	10
Client ID:	CV0005Y-CS6				
Injection Vol:	2.0 ul	Dil. Factor:	20.0000	ALS Bottle#:	8
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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

Instrument ID: CMSY Start Date: 10/15/2014 12:48

Analysis Batch Number: 353689 End Date: 10/15/2014 23:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-353689/3		10/15/2014 12:48	1	2YJ1503.D	RXi- 5Sil MS 0.25(mm)
CCVIS 680-353689/4		10/15/2014 13:05	1	2YJ1504.D	RXi- 5Sil MS 0.25(mm)
RL 680-353689/5		10/15/2014 13:27	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/15/2014 13:49	1		RXi- 5Sil MS 0.25(mm)
MB 680-353328/21-A		10/15/2014 14:59	1	2YJ1507.D	RXi- 5Sil MS 0.25(mm)
LCS 680-353328/22-A		10/15/2014 15:21	1	2YJ1508.D	RXi- 5Sil MS 0.25(mm)
680-106200-1 MS	CV0005Y-CS6 MS	10/15/2014 15:43	20	2YJ1509.D	RXi- 5Sil MS 0.25(mm)
680-106200-1 MSD	CV0005Y-CS6 MSD	10/15/2014 16:05	20	2YJ1510.D	RXi- 5Sil MS 0.25(mm)
680-106200-1	CV0005Y-CS6	10/15/2014 16:27	20	2YJ1511.D	RXi- 5Sil MS 0.25(mm)
680-106200-2	CV0005Y-CSD6	10/15/2014 16:49	20	2YJ1512.D	RXi- 5Sil MS 0.25(mm)
680-106200-3	CV0005Y-CS12	10/15/2014 17:12	10	2YJ1513.D	RXi- 5Sil MS 0.25(mm)
680-106200-4	CV0005Y-CS18	10/15/2014 17:34	10	2YJ1514.D	RXi- 5Sil MS 0.25(mm)
680-106200-5	CV0005Y-CS24	10/15/2014 17:56	10	2YJ1515.D	RXi- 5Sil MS 0.25(mm)
680-106200-6	CV0005AA-CS6	10/15/2014 18:18	20	2YJ1516.D	RXi- 5Sil MS 0.25(mm)
680-106200-7	CV0005AA-CS12	10/15/2014 18:40	10	2YJ1517.D	RXi- 5Sil MS 0.25(mm)
680-106200-8	CV0005AA-CS18	10/15/2014 19:02	10	2YJ1518.D	RXi- 5Sil MS 0.25(mm)
680-106200-9	CV0005AA-CS24	10/15/2014 19:24	10	2YJ1519.D	RXi- 5Sil MS 0.25(mm)
680-106200-10	CV0005BB-CS6	10/15/2014 19:47	20	2YJ1520.D	RXi- 5Sil MS 0.25(mm)
680-106200-11	CV0005BB-CS12	10/15/2014 20:09	20	2YJ1521.D	RXi- 5Sil MS 0.25(mm)
680-106200-12	CV0005BB-CS18	10/15/2014 20:31	10	2YJ1522.D	RXi- 5Sil MS 0.25(mm)
680-106200-13	CV0005BB-CS24	10/15/2014 20:53	20	2YJ1523.D	RXi- 5Sil MS 0.25(mm)
680-106200-14	CV0005E-CS6	10/15/2014 21:15	20	2YJ1524.D	RXi- 5Sil MS 0.25(mm)
680-106200-15	CV0005E-CS12	10/15/2014 21:38	20	2YJ1525.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/15/2014 22:00	20		RXi- 5Sil MS 0.25(mm)
680-106200-17	CV0005E-CS24	10/15/2014 22:22	20	2YJ1527.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/15/2014 22:44	20		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/15/2014 23:06	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/15/2014 23:28	10		RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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)
680-106200-16	CV0005E-CS18	10/16/2014 10:46	50	1YJ1605.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 11:09	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 11:43	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 12:05	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 12:28	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 12:50	10		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)
ZZZZZ		10/16/2014 19:13	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 19:35	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 19:57	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		10/16/2014 20:19	1		RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

Batch Number: 353328 Batch Start Date: 10/14/14 10:14 Batch Analyst: Kicklighter, Jasmine M

Batch Method: 3546 Batch End Date: 10/14/14 10:44

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX8270SPKL1 00015	LLBNAwkSUR 00079	AnalysisComment	
680-106200-A-1	CV0005Y-CS6	3546, 8270D_LL_PAH	T	30.12 g	1 mL		1 mL		
680-106200-A-2	CV0005Y-CSD6	3546, 8270D_LL_PAH	T	30.07 g	1 mL		1 mL		
680-106200-A-3	CV0005Y-CS12	3546, 8270D_LL_PAH	T	30.04 g	1 mL		1 mL		
680-106200-A-4	CV0005Y-CS18	3546, 8270D_LL_PAH	T	30.05 g	1 mL		1 mL		
680-106200-A-5	CV0005Y-CS24	3546, 8270D_LL_PAH	T	30.10 g	1 mL		1 mL		
680-106200-A-6	CV0005AA-CS6	3546, 8270D_LL_PAH	T	30.07 g	1 mL		1 mL		
680-106200-A-7	CV0005AA-CS12	3546, 8270D_LL_PAH	T	30.05 g	1 mL		1 mL		
680-106200-A-8	CV0005AA-CS18	3546, 8270D_LL_PAH	T	30.12 g	1 mL		1 mL		
680-106200-A-9	CV0005AA-CS24	3546, 8270D_LL_PAH	T	30.14 g	1 mL		1 mL		
680-106200-A-10	CV0005BB-CS6	3546, 8270D_LL_PAH	T	30.09 g	1 mL		1 mL		
680-106200-A-11	CV0005BB-CS12	3546, 8270D_LL_PAH	T	30.16 g	1 mL		1 mL		
680-106200-A-12	CV0005BB-CS18	3546, 8270D_LL_PAH	T	30.08 g	1 mL		1 mL		
680-106200-A-13	CV0005BB-CS24	3546, 8270D_LL_PAH	T	30.11 g	1 mL		1 mL		
680-106200-A-14	CV0005E-CS6	3546, 8270D_LL_PAH	T	30.23 g	1 mL		1 mL		
680-106200-A-15	CV0005E-CS12	3546, 8270D_LL_PAH	T	30.06 g	1 mL		1 mL		
680-106200-A-16	CV0005E-CS18	3546, 8270D_LL_PAH	T	30.04 g	1 mL		1 mL		
680-106200-A-17	CV0005E-CS24	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
MB 680-353328/21		3546, 8270D_LL_PAH		30.02 g	1 mL		1 mL		
LCS 680-353328/22		3546, 8270D_LL_PAH		30.02 g	1 mL	100 uL	1 mL	8270LL SPIKE	
680-106200-A-1 MS	CV0005Y-CS6	3546, 8270D_LL_PAH	T	30.15 g	1 mL	100 uL	1 mL	8270LL SPIKE	
680-106200-A-1 MSD	CV0005Y-CS6	3546, 8270D_LL_PAH	T	30.10 g	1 mL	100 uL	1 mL	8270LL SPIKE	

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.: 680-106200-1

SDG No.: 680-106200-01

Batch Number: 353328 Batch Start Date: 10/14/14 10:14 Batch Analyst: Kicklighter, Jasmine M

Batch Method: 3546 Batch End Date: 10/14/14 10:44

Batch Notes	
Balance ID	30
Batch Comment	8270D_LL_PAH BOX LL203
Concentration End Time	2055
Concentration Start Time	1946
Person's name who did the concentration	JMK
Exchange Solvent Lot #	3786881
Exchange Solvent Name	MECL2
Filter Paper Lot Number	09-795G
Final Concentrator Volume	1 mL
MeCL2 Lot #	3786878
Microwave Oven ID	1
Microwave Start Time	1014
Microwave Stop Time	1044
Na2SO4 Lot Number	3787973
Ottawa Sand Lot #	3776812
Person's name who did the prep	kac/jv
Person who performed Spike	JV
Person who witnessed spiking	KC

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: 680-106200-1

SDG No.: 680-106200-01

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV0005Y-CS6	680-106200-1
CV0005Y-CSD6	680-106200-2
CV0005Y-CS12	680-106200-3
CV0005Y-CS18	680-106200-4
CV0005Y-CS24	680-106200-5
CV0005AA-CS6	680-106200-6
CV0005AA-CS12	680-106200-7
CV0005AA-CS18	680-106200-8
CV0005AA-CS24	680-106200-9
CV0005BB-CS6	680-106200-10
CV0005BB-CS12	680-106200-11
CV0005BB-CS18	680-106200-12
CV0005BB-CS24	680-106200-13
CV0005E-CS6	680-106200-14
CV0005E-CS12	680-106200-15
CV0005E-CS18	680-106200-16
CV0005E-CS24	680-106200-17

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005Y-CS6

Lab Sample ID: 680-106200-1

Lab Name: TestAmerica Savannah

Job No.: 680-106200-1

SDG ID.: 680-106200-01

Matrix: Solid

Date Sampled: 10/09/2014 09:00

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	12000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	28	2.2	0.65	mg/Kg			1	6010C
7439-89-6	Iron	47000	22	7.7	mg/Kg			1	6010C
7439-92-1	Lead	220	11	5.8	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005Y-CSD6
Lab Sample ID: 680-106200-2
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/09/2014 09:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 88.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	27	2.0	0.60	mg/Kg			1	6010C
7439-89-6	Iron	42000	20	7.2	mg/Kg			1	6010C
7439-92-1	Lead	190	1.0	0.54	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005Y-CS12
Lab Sample ID: 680-106200-3
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/09/2014 09:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 88.2

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	23	2.2	0.66	mg/Kg			1	6010C
7439-89-6	Iron	41000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	34	1.1	0.59	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005Y-CS18
Lab Sample ID: 680-106200-4
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/09/2014 09:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 86.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	25	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	36000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	27	1.1	0.56	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005Y-CS24

Lab Sample ID: 680-106200-5

Lab Name: TestAmerica Savannah

Job No.: 680-106200-1

SDG ID.: 680-106200-01

Matrix: Solid

Date Sampled: 10/09/2014 09:30

Reporting Basis: DRY

Date Received: 10/11/2014 09:33

% Solids: 85.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16000	23	12	mg/Kg			1	6010C
7440-38-2	Arsenic	34	2.3	0.68	mg/Kg			1	6010C
7439-89-6	Iron	41000	23	8.1	mg/Kg			1	6010C
7439-92-1	Lead	26	1.2	0.61	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005AA-CS6
Lab Sample ID: 680-106200-6
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 14:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 90.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	19	9.3	mg/Kg			1	6010C
7440-38-2	Arsenic	29	1.9	0.55	mg/Kg			1	6010C
7439-89-6	Iron	40000	19	6.5	mg/Kg			1	6010C
7439-92-1	Lead	110	0.93	0.49	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005AA-CS12
Lab Sample ID: 680-106200-7
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 14:10
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 90.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	31	2.1	0.62	mg/Kg			1	6010C
7439-89-6	Iron	55000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	28	1.1	0.56	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005AA-CS18
Lab Sample ID: 680-106200-8
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 14:20
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 88.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	19	9.6	mg/Kg			1	6010C
7440-38-2	Arsenic	29	1.9	0.57	mg/Kg			1	6010C
7439-89-6	Iron	71000	19	6.7	mg/Kg			1	6010C
7439-92-1	Lead	38	0.96	0.51	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005AA-CS24

Lab Sample ID: 680-106200-9

Lab Name: TestAmerica Savannah

Job No.: 680-106200-1

SDG ID.: 680-106200-01

Matrix: Solid

Date Sampled: 10/08/2014 14:30

Reporting Basis: DRY

Date Received: 10/11/2014 09:33

% Solids: 88.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	21	10	mg/Kg			1	6010C
7440-38-2	Arsenic	17	2.1	0.62	mg/Kg			1	6010C
7439-89-6	Iron	32000	21	7.3	mg/Kg			1	6010C
7439-92-1	Lead	14	1.0	0.56	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005BB-CS6
Lab Sample ID: 680-106200-10
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 12:30
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 87.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	40	2.2	0.65	mg/Kg			1	6010C
7439-89-6	Iron	40000	22	7.7	mg/Kg			1	6010C
7439-92-1	Lead	92	1.1	0.58	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005BB-CS12
Lab Sample ID: 680-106200-11
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 12:40
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 85.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15000	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	58	2.0	0.60	mg/Kg			1	6010C
7439-89-6	Iron	55000	20	7.1	mg/Kg			1	6010C
7439-92-1	Lead	110	10	5.4	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005BB-CS18

Lab Sample ID: 680-106200-12

Lab Name: TestAmerica Savannah

Job No.: 680-106200-1

SDG ID.: 680-106200-01

Matrix: Solid

Date Sampled: 10/08/2014 12:50

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	12000	20	9.8	mg/Kg			1	6010C
7440-38-2	Arsenic	39	2.0	0.58	mg/Kg			1	6010C
7439-89-6	Iron	36000	20	6.9	mg/Kg			1	6010C
7439-92-1	Lead	58	0.98	0.52	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005BB-CS24
Lab Sample ID: 680-106200-13
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 13:00
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 89.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	19000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	37	2.2	0.66	mg/Kg			1	6010C
7439-89-6	Iron	38000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	140	1.1	0.59	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005E-CS6

Lab Sample ID: 680-106200-14

Lab Name: TestAmerica Savannah

Job No.: 680-106200-1

SDG ID.: 680-106200-01

Matrix: Solid

Date Sampled: 10/08/2014 09:20

Reporting Basis: DRY

Date Received: 10/11/2014 09:33

% Solids: 91.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	19	9.5	mg/Kg			1	6010C
7440-38-2	Arsenic	29	1.9	0.56	mg/Kg			1	6010C
7439-89-6	Iron	42000	19	6.6	mg/Kg			1	6010C
7439-92-1	Lead	130	0.95	0.50	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005E-CS12
Lab Sample ID: 680-106200-15
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 09:30
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	11	mg/Kg			1	6010C
7440-38-2	Arsenic	30	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	33000	21	7.5	mg/Kg			1	6010C
7439-92-1	Lead	120	1.1	0.57	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005E-CS18
Lab Sample ID: 680-106200-16
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 09:40
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 90.2

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	38	2.1	0.61	mg/Kg			1	6010C
7439-89-6	Iron	39000	21	7.2	mg/Kg			1	6010C
7439-92-1	Lead	230	1.0	0.54	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0005E-CS24
Lab Sample ID: 680-106200-17
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG ID.: 680-106200-01
Matrix: Solid
Date Sampled: 10/08/2014 09:50
Reporting Basis: DRY
Date Received: 10/11/2014 09:33
% Solids: 91.6

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	32	2.2	0.64	mg/Kg			1	6010C
7439-89-6	Iron	46000	22	7.6	mg/Kg			1	6010C
7439-92-1	Lead	250	1.1	0.57	mg/Kg			1	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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 680-353949/94 10/15/2014 16:38			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	956		1000	96	4710		5000	94	4820		5000	96
Arsenic	1010		1000	101	459		500	92	455		500	91
Iron	959		1000	96	4780		5000	96	4870		5000	97
Lead	977		1000	98	484		500	97	494		500	99

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	CCV 680-353949/106 10/15/2014 17:29				CCV 680-353949/118 10/15/2014 18:23				CCV 680-353949/130 10/15/2014 19:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4820		5000	96	4840		5000	97	4820		5000	96
Arsenic	456		500	91	464		500	93	458		500	92
Iron	4880		5000	98	4900		5000	98	4880		5000	98
Lead	493		500	99	494		500	99	491		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.: 680-106200-1

SDG No.: 680-106200-01

ICV Source: P_ICV_wk_00229 Concentration Units: ug/L

CCV Source: P_CCV_wk_00128

Analyte	CCV 680-353949/142 10/15/2014 20:06				CCV 680-353949/154 10/15/2014 20:57				CCV 680-353949/166 10/15/2014 21:49			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4830		5000	97	4820		5000	96	4820		5000	96
Arsenic	457		500	91	458		500	92	459		500	92
Iron	4910		5000	98	4840		5000	97	4830		5000	97
Lead	484		500	97	480		500	96	481		500	96

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4840		5000	97	4880		5000	98				
Arsenic	459		500	92	465		500	93				
Iron	4920		5000	98	4960		5000	99				
Lead	501		500	100	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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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
Aluminum	200	204		102	70-130
Arsenic	20.0	22.4		112	70-130
Iron	50.0	200	U	106	70-130
Lead	10.0	11.2		112	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

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

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.: 680-106200-1

SDG No.: 680-106200-01

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
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.: 680-106200-1

SDG No.: 680-106200-01

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 680-353949/95 10/15/2014 16:42		CCB 680-353949/107 10/15/2014 17:34	
		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.: 680-106200-1

SDG No.: 680-106200-01

Concentration Units: ug/L

Analyte	RL	CCB 680-353949/119 10/15/2014 18:27		CCB 680-353949/131 10/15/2014 19:18		CCB 680-353949/143 10/15/2014 20:10		CCB 680-353949/155 10/15/2014 21:01	
		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.: 680-106200-1

SDG No.: 680-106200-01

Concentration Units: ug/L

Analyte	RL	CCB 680-353949/167 10/15/2014 21:53							
		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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

Concentration Units: ug/L

Analyte	RL	CCB 680-354233/134 10/18/2014 01:33							
		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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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: CV0005Y-CS6 MS
Lab ID: 680-106200-1 MS
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG No.: 680-106200-01
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: 680-106200-A-51-A MS
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG No.: 680-106200-01
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-B-18-B MS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

Matrix: Solid Concentration Units: mg/Kg

% Solids: 88.0

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	14100		14000		503	30	75-125	4	6010C
Arsenic	41.2		28		10.1	134	75-125	F1	6010C
Iron	45900		39000		503	1414	75-125	4	6010C
Lead	195		170		50.3	47	75-125	F1	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: CV0005Y-CS6 MSD

Lab ID: 680-106200-1 MSD

Lab Name: TestAmerica Savannah

Job No.: 680-106200-1

SDG No.: 680-106200-01

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: 680-106200-A-51-B MSD

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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-B-18-C MSD

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

Matrix: Solid Concentration Units: mg/Kg

% Solids: 88.0

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	14400		507	91	75-125	2	20	4	6010C
Arsenic	36.1		10.1	83	75-125	13	20		6010C
Iron	36100		507	-526	75-125	24	20	4 F2	6010C
Lead	211		50.7	78	75-125	8	20		6010C

SDR = Sample Duplicate Result

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

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: CV0005Y-CS6 PDS
Lab ID: 680-106200-1 PDS
Lab Name: TestAmerica Savannah
Job No.: 680-106200-1
SDG No.: 680-106200-01
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-51-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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-18-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-353346/2-A

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

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.: 680-106200-1

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.: 680-106200-1

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: 680-106200-1

SDG No: 680-106200-01

Lab Name: TestAmerica Savannah Job No: 680-106200-1

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-51-A SD

SDG No: 680-106200-01

Lab Name: TestAmerica Savannah Job No: 680-106200-1

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-18-A SD

SDG No: 680-106200-01

Lab Name: TestAmerica Savannah Job No: 680-106200-1

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

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-106200-1

SDG Number: 680-106200-01

Matrix: Solid Instrument ID: ICPE

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

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		20	10
Arsenic		2	0.59
Iron		20	7
Lead		1	0.53

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-106200-1

SDG Number: 680-106200-01

Matrix: Solid Instrument ID: ICPE

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

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

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-106200-1

SDG No.: 680-106200-01

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

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

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-106200-1

SDG No.: 680-106200-01

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

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

X-IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah Job No: 680-106200-1

SDG No.: 680-106200-01

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

FORM XI - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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
680-106200-15	10/13/2014 09:39	353262	1.04		100
680-106200-6	10/13/2014 09:39	353262	1.19		100
680-106200-12	10/13/2014 09:39	353262	1.17		100
680-106200-9	10/13/2014 09:39	353262	1.08		100
680-106200-14	10/13/2014 09:39	353262	1.15		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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
680-106200-1	10/13/2014 12:36	353312	1.01		100
680-106200-1 MS	10/13/2014 12:36	353312	1.01		100
680-106200-1 MSD	10/13/2014 12:36	353312	1.01		100
680-106200-4	10/13/2014 12:36	353312	1.09		100
680-106200-8	10/13/2014 12:36	353312	1.17		100
680-106200-17	10/13/2014 12:36	353312	1.01		100
680-106200-5	10/13/2014 12:36	353312	1.02		100
680-106200-3	10/13/2014 12:36	353312	1.02		100
680-106200-2	10/13/2014 12:36	353312	1.10		100
680-106200-11	10/13/2014 12:36	353312	1.14		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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-B-18-B MS	10/13/2014 14:24	353346	1.13		100
680-106200-B-18-C MSD	10/13/2014 14:24	353346	1.12		100
680-106200-13	10/13/2014 14:24	353346	1.01		100
680-106200-7	10/13/2014 14:24	353346	1.04		100
680-106200-10	10/13/2014 14:24	353346	1.04		100
680-106200-16	10/13/2014 14:24	353346	1.08		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

Instrument ID: ICPE Method: 6010C

Start Date: 10/15/2014 09:46 End Date: 10/16/2014 12:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			12:46																				
ZZZZZZ			12:51																				
ZZZZZZ			12:55																				
ZZZZZZ			12:59																				
ZZZZZZ			13:03																				
ZZZZZZ			13:08																				
CCV 680-353949/49			13:12																				
CCB 680-353949/50			13:16																				
ZZZZZZ			13:20																				
ZZZZZZ			13:25																				
ZZZZZZ			13:29																				
ZZZZZZ			13:33																				
ZZZZZZ			13:38																				
ZZZZZZ			13:42																				
ZZZZZZ			13:46																				
ZZZZZZ			13:50																				
ZZZZZZ			13:55																				
ZZZZZZ			13:59																				
CCV 680-353949/61			14:03																				
CCB 680-353949/62			14:07																				
ZZZZZZ			14:12																				
ZZZZZZ			14:16																				
ZZZZZZ			14:20																				
ZZZZZZ			14:24																				
ZZZZZZ			14:29																				
ZZZZZZ			14:33																				
ZZZZZZ			14:37																				
CCV 680-353949/70			14:44																				
CCB 680-353949/71			14:48																				
ZZZZZZ			14:52																				
ZZZZZZ			14:57																				
ZZZZZZ			15:01																				
ZZZZZZ			15:05																				
ZZZZZZ			15:09																				
ZZZZZZ			15:14																				
ZZZZZZ			15:18																				
ZZZZZZ			15:22																				
ZZZZZZ			15:26																				
ZZZZZZ			15:31																				
CCV 680-353949/82			15:35																				
CCB 680-353949/83			15:39																				
ZZZZZZ			15:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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																				
ZZZZZZ			16:55																				
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																
680-106200-B-18-B MS	1	T	17:25	X	X	X	X																
CCV 680-353949/106	1		17:29	X	X	X	X																
CCB 680-353949/107	1		17:34	X	X	X	X																
680-106200-B-18-C MSD	1	T	17:38	X	X	X	X																
ZZZZZZ			17:42																				
ZZZZZZ			17:47																				
ZZZZZZ			17:51																				
680-106200-13	1	T	17:57	X	X	X	X																
ZZZZZZ			18:01																				
680-106200-7	1	T	18:06	X	X	X	X																
ZZZZZZ			18:10																				
ZZZZZZ			18:14																				
ZZZZZZ			18:18																				
CCV 680-353949/118	1		18:23	X	X	X	X																
CCB 680-353949/119	1		18:27	X	X	X	X																
680-106200-10	1	T	18:31	X	X	X	X																
ZZZZZZ			18:36																				
ZZZZZZ			18:40																				
680-106200-16	1	T	18:44	X	X	X	X																
ZZZZZZ			18:48																				
ZZZZZZ			18:53																				
ZZZZZZ			18:57																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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																				
ZZZZZZ			19:48																				
ZZZZZZ			19:53																				
ZZZZZZ			19:57																				
ZZZZZZ			20:01																				
CCV 680-353949/142	1		20:06	X	X	X	X																
CCB 680-353949/143	1		20:10	X	X	X	X																
ZZZZZZ			20:14																				
ZZZZZZ			20:18																				
680-106200-15	1	T	20:23	X	X	X	X																
ZZZZZZ			20:27																				
680-106200-6	1	T	20:31	X	X	X	X																
ZZZZZZ			20:36																				
ZZZZZZ			20:40																				
ZZZZZZ			20:44																				
ZZZZZZ			20:48																				
680-106200-12	1	T	20:53	X	X	X	X																
CCV 680-353949/154	1		20:57	X	X	X	X																
CCB 680-353949/155	1		21:01	X	X	X	X																
680-106200-9	1	T	21:06	X	X	X	X																
680-106200-14	1	T	21:10	X	X	X	X																
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	1		21:49	X	X	X	X																
CCB 680-353949/167	1		21:53	X	X	X	X																
ZZZZZZ			21:57																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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			09:56																				
CCB 680-353949/196			10:00																				
ZZZZZZ			10:04																				
ZZZZZZ			10:09																				
ZZZZZZ			10:13																				
ZZZZZZ			10:17																				
ZZZZZZ			10:22																				
ZZZZZZ			10:26																				
ZZZZZZ			10:30																				
ZZZZZZ			10:35																				
ZZZZZZ			10:39																				
ZZZZZZ			10:43																				
CCV 680-353949/207			10:47																				
CCB 680-353949/208			10:52																				
ZZZZZZ			10:56																				
ZZZZZZ			11:00																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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			11:39																				
CCB 680-353949/220			11:44																				
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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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																
680-106200-1	1	T	00:07	X	X	X																	
680-106200-1 SD	5	T	00:12	X	X	X																	
680-106200-1 PDS	1	T	00:16	X	X	X																	
680-106200-1 MS	1	T	00:20	X	X	X																	
680-106200-1 MSD	1	T	00:25	X	X	X																	
ZZZZZZ			00:29																				
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																
680-106200-4	1	T	00:46	X	X	X	X																
ZZZZZZ			00:50																				
680-106200-8	1	T	00:55	X	X	X	X																
ZZZZZZ			00:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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																
680-106200-17	1	T	01:03	X	X	X	X																
680-106200-5	1	T	01:07	X	X	X	X																
680-106200-3	1	T	01:12	X	X	X	X																
ZZZZZZ			01:16																				
680-106200-2	1	T	01:20	X	X	X	X																
680-106200-11	1	T	01:25	X	X	X																	
CCV 680-354233/133	1		01:29	X	X	X	X																
CCB 680-354233/134	1		01:33	X	X	X	X																
ZZZZZZ			01:37																				
ZZZZZZ			01:42																				
ZZZZZZ			01:46																				
ZZZZZZ			01:50																				
ZZZZZZ			01:55																				
ZZZZZZ			01:59																				
ZZZZZZ			02:03																				
ZZZZZZ			02:08																				
ZZZZZZ			02:12																				
ZZZZZZ			02:16																				
CCV 680-354233/145			02:20																				
CCB 680-354233/146			02:25																				
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.: 680-106200-1

SDG No.: 680-106200-01

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																			
680-106200-1	10	T	16:00	X																			
680-106200-1 SD	50	T	16:04	X																			
680-106200-1 PDS	10	T	16:08	X																			
680-106200-1 MS	10	T	16:12	X																			
680-106200-1 MSD	10	T	16:17	X																			
680-106200-11	10	T	16:21	X																			
ZZZZZZ			16:25																				
ZZZZZZ			16:30																				
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.: 680-106200-1

SDG No.: 680-106200-01

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

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-1.3040b	ppb	0.0903	6.9	143.157
Cu 324.754	-4.0436b	ppb	0.2147	5.3	-33.7046
Fe 271.441	-38.7225b	ppb	6.4075	16.5	986.709
K 766.491	1.4608b	ppb	0.2395	16.4	387.572
Mg 279.078	-8.0488b	ppb	4.5935	57.1	-492.604
Mn 257.610	26680.8b	ppb	185.138	0.7	5517407
Mo 202.032	2.2666b	ppb	0.3936	17.4	20.2616
Na 330.237	727.401b	ppb	109.771	15.1	-1.4005
Ni 231.604	9647.08xb	ppb	6.2374	0.1	26698.1
Pb 220.353	19451.2xb	ppb	8.9169	0.0	27725.6
Sb 206.834	5.3907b	ppb	0.1548	2.9	8.2296
Se 196.026	2.1412b	ppb	5.2938	247.2	8.6989
Sn 189.925	1.1761b	ppb	2.1695	184.5	-4.6001
Sr 216.596	0.9917b	ppb	0.5248	52.9	-225.106
Ti 334.941	29057.2xb	ppb	88.6218	0.3	8062775
Tl 190.794	7.1199b	ppb	1.1545	16.2	39.4168
V 292.401	-8.5045b	ppb	0.1498	1.8	204.588
Zn 206.200	3.3675b	ppb	1.2552	37.3	4.2144

LRA2 (Samp) **10/15/2014, 10:30:19 AM** **Rack S, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	0.1522u	0.5571u	1.1885u
Al 308.215	857972	857244	854643
As 188.980	120.074	85.9399	65.0831
B 249.678	96.7232u	84.2333u	77.1564u
Ba 389.178	9.4592	11.4035	9.7363
Be 313.042	-0.2022u	-0.2004u	-0.2066u
Ca 370.602	782086	773343	770294
Cd 226.502	14.2300	14.6989	14.4486
Co 228.615	-15.6048u	-13.3418u	-15.9080u
Cr 267.716	-5.0637	-5.2606	-5.2266
Cu 324.754	2.2959	1.9845	2.1896
Fe 271.441	896699	896680	899493
K 766.491	19.7568	20.4473	20.5572
Mg 279.078	773021	772927	770911
Mn 257.610	6.2763	5.9459	6.0295
Mo 202.032	5.0994u	2.7147u	4.6036u
Na 330.237	33.1387u	-6.1372u	-166.982u
Ni 231.604	-17.8091	-17.7593	-16.7664
Pb 220.353	-17.2626u	-7.6094u	-18.4359u
Sb 206.834	16.8441	4.4282	6.4115
Se 196.026	-8.7425	1.9550	17.7384
Sn 189.925	7.8044	2.8354	4.0028
Sr 216.596	19.1881	19.7853	18.3184
Ti 334.941	5.2029	4.8240	4.3826
Tl 190.794	-56.3102u	-42.9669u	-46.8586u
V 292.401	-6.1824	-6.3169	-6.4217
Zn 206.200	8.3002u	21.4022u	17.2927u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6326	ppb	0.5222	82.6	-113.172
Al 308.215	856620	ppb	1750.07	0.2	5670420

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	90.3658	ppb	27.7615	30.7	48.5767
B 249.678	86.0376	ppb	9.9074	11.5	-547.164
Ba 389.178	10.1997	ppb	1.0517	10.3	1582.57
Be 313.042	-0.2031	ppb	0.0032	1.6	-399.276
Ca 370.602	775241	ppb	6121	0.8	1783360
Cd 226.502	14.4592	ppb	0.2346	1.6	3771.85
Co 228.615	-14.9515	ppb	1.4023	9.4	-97.1236
Cr 267.716	-5.1836	ppb	0.1052	2.0	176.044
Cu 324.754	2.1567	ppb	0.1583	7.3	772.719
Fe 271.441	897624	ppb	1618.84	0.2	1264090
K 766.491	20.2538	ppb	0.4339	2.1	1191.50
Mg 279.078	772286	ppb	1192.17	0.2	1876002
Mn 257.610	6.0839	ppb	0.1718	2.8	9496.77
Mo 202.032	4.1392	ppb	1.2583	30.4	-6.4032
Na 330.237	-46.6601	ppb	106.036	227.3	-191.827
Ni 231.604	-17.4449	ppb	0.5882	3.4	15.7841
Pb 220.353	-14.4360	ppb	5.9410	41.2	-85.1589
Sb 206.834	9.2279	ppb	6.6700	72.3	40.1333
Se 196.026	3.6503	ppb	13.3216	364.9	10.9588
Sn 189.925	4.8809	ppb	2.5983	53.2	-2.1653
Sr 216.596	19.0973	ppb	0.7376	3.9	1430.71
Ti 334.941	4.8032	ppb	0.4106	8.5	2709.43
Tl 190.794	-48.7119	ppb	6.8620	14.1	-161.523
V 292.401	-6.3070	ppb	0.1200	1.9	153.603
Zn 206.200	15.6650	ppb	6.7009	42.8	-18.9477

LRA3 (Samp) **10/15/2014, 10:34:38 AM** **Rack S, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.1514u	0.1455	-0.1889u
Al 308.215	50.4856	44.7248	43.9903
As 188.980	20.3072	22.0734	18.4247
B 249.678	20.5716	18.9968	18.2953
Ba 389.178	-0.1311u	0.3088	0.2681
Be 313.042	0.0165	0.0196	0.0149
Ca 370.602	53.16	47.22	50.11
Cd 226.502	0.0779	-0.0726u	0.0303
Co 228.615	0.2799	-0.0067u	-0.2870u
Cr 267.716	0.0577	0.1172	0.1556
Cu 324.754	0.1531	0.0068	0.2429
Fe 271.441	51.0176	45.3133	48.9524
K 766.491	39952.7x	39684.9x	39762.3x
Mg 279.078	43.1980	38.1996	35.8507
Mn 257.610	0.4910	0.4601	0.4756
Mo 202.032	-0.4520u	0.1075	0.4784
Na 330.237	104667	103891	103156
Ni 231.604	0.7661	0.1025	0.0602
Pb 220.353	1.1491	2.5666	-1.5835u
Sb 206.834	1.0829	5.9543	2.1768
Se 196.026	5.4791	-3.8384u	8.2814
Sn 189.925	-2.7745u	2.4837	0.8856
Sr 216.596	-0.0025	0.3893	-0.1214u
Ti 334.941	0.8104	0.7878	0.7068

Label	Replicates Concentration		
Tl 190.794	-0.9473u	-1.1320u	1.3534
V 292.401	0.0642	0.2079	0.0049u
Zn 206.200	28479.1x	28362.7x	28314.3x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0650b	ppb	0.1832	282.1	-15.4906
Al 308.215	46.4002b	ppb	3.5571	7.7	701.490
As 188.980	20.2684b	ppb	1.8247	9.0	8.4618
B 249.678	19.2879b	ppb	1.1657	6.0	327.160
Ba 389.178	0.1486b	ppb	0.2431	163.6	-47.6939
Be 313.042	0.0170b	ppb	0.0024	14.1	-298.987
Ca 370.602	50.16b	ppb	2.969	5.9	126.9
Cd 226.502	0.0119b	ppb	0.0769	648.3	13.3007
Co 228.615	-0.0046b	ppb	0.2835	6205.4	3.1490
Cr 267.716	0.1102b	ppb	0.0493	44.7	37.8587
Cu 324.754	0.1343b	ppb	0.1192	88.8	259.328
Fe 271.441	48.4278b	ppb	2.8881	6.0	75.0229
K 766.491	39799.9xb	ppb	137.789	0.3	1702894
Mg 279.078	39.0828b	ppb	3.7525	9.6	113.859
Mn 257.610	0.4755b	ppb	0.0155	3.2	139.008
Mo 202.032	0.0446b	ppb	0.4684	1049.3	6.5497
Na 330.237	103904b	ppb	755.626	0.7	4284.04
Ni 231.604	0.3096b	ppb	0.3959	127.9	-3.8865
Pb 220.353	0.7108b	ppb	2.1095	296.8	1.4455
Sb 206.834	3.0713b	ppb	2.5559	83.2	5.1761
Se 196.026	3.3074b	ppb	6.3450	191.8	4.0139
Sn 189.925	0.1983b	ppb	2.6956	1359.6	-5.2158
Sr 216.596	0.0885b	ppb	0.2672	302.0	3.4272
Ti 334.941	0.7684b	ppb	0.0545	7.1	144.087
Tl 190.794	-0.2420b	ppb	1.3847	572.3	-6.2041
V 292.401	0.0923b	ppb	0.1044	113.0	-5.3726
Zn 206.200	28385.4xb	ppb	84.6998	0.3	25609.7

Cont Calib Verif (CCV) **10/15/2014, 10:38:54 AM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	478.009	475.121	480.229
Al 308.215	4671.78	4716.29	4740.73
As 188.980	466.290	453.361	457.151
B 249.678	479.032	481.979	484.216
Ba 389.178	4760.59	4769.10	4786.00
Be 313.042	476.803	478.187	478.528
Ca 370.602	4792	4779	4800
Cd 226.502	478.666	478.799	481.330
Co 228.615	483.126	481.778	484.954
Cr 267.716	4766.73	4773.14	4784.05
Cu 324.754	4932.73	4933.85	4904.58
Fe 271.441	4772.59	4769.04	4788.25
K 766.491	9995.97	9993.40	10087.6
Mg 279.078	4748.06	4757.49	4757.99
Mn 257.610	4859.00	4870.18	4905.35
Mo 202.032	475.281	477.687	479.756
Na 330.237	7385.70	7412.08	7467.21

Label	Replicates Concentration		
Ni 231.604	2419.50	2424.41	2432.37
Pb 220.353	484.978	482.873	483.966
Sb 206.834	907.015	908.929	911.605
Se 196.026	4754.97	4736.13	4775.84
Sn 189.925	4779.73	4794.68	4818.90
Sr 216.596	2374.50	2377.21	2382.09
Ti 334.941	475.320	475.531	478.508
Tl 190.794	4867.96	4887.78	4895.44
V 292.401	4751.41	4748.57	4781.55
Zn 206.200	2387.48	2386.46	2386.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	477.787	ppb	2.5613	0.5	36900.5	95.55733
Al 308.215	4709.60	ppb	34.9585	0.7	32057.2	94.19196
As 188.980	458.934	ppb	6.6465	1.4	243.703	91.78681
B 249.678	481.742	ppb	2.6000	0.5	7322.09	96.34843
Ba 389.178	4771.90	ppb	12.9322	0.3	96749.5	95.43790
Be 313.042	477.839	ppb	0.9135	0.2	777763	95.56783
Ca 370.602	4790	ppb	10.57	0.2	11341	95.80592
Cd 226.502	479.598	ppb	1.5009	0.3	17978.9	95.91968
Co 228.615	483.286	ppb	1.5940	0.3	5041.80	96.65725
Cr 267.716	4774.64	ppb	8.7582	0.2	236932	95.49283
Cu 324.754	4923.72	ppb	16.5830	0.3	345536	98.47443
Fe 271.441	4776.63	ppb	10.2198	0.2	6829.05	95.53256
K 766.491	10025.6	ppb	53.6424	0.5	429204	100.25649
Mg 279.078	4754.51	ppb	5.5947	0.1	11478.6	95.09024
Mn 257.610	4878.17	ppb	24.1891	0.5	1008856	97.56348
Mo 202.032	477.574	ppb	2.2398	0.5	2956.75	95.51488
Na 330.237	7421.66	ppb	41.5923	0.6	316.029	98.95552
Ni 231.604	2425.43	ppb	6.4912	0.3	6713.36	97.01707
Pb 220.353	483.939	ppb	1.0528	0.2	693.638	96.78773
Sb 206.834	909.183	ppb	2.3053	0.3	1243.75	90.91827
Se 196.026	4755.65	ppb	19.8607	0.4	1834.70	95.11291
Sn 189.925	4797.77	ppb	19.7633	0.4	3149.09	95.95544
Sr 216.596	2377.93	ppb	3.8467	0.2	25925.2	95.11729
Ti 334.941	476.453	ppb	1.7828	0.4	132153	95.29063
Tl 190.794	4883.72	ppb	14.1815	0.3	4776.60	97.67448
V 292.401	4760.51	ppb	18.2759	0.4	123105	95.21018
Zn 206.200	2386.73	ppb	0.6671	0.0	2141.95	95.46900

Cont Calib Blank (CCB) **10/15/2014, 10:43:09 AM** **Rack 1, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.2545	-0.0728u	0.2086
Al 308.215	6.9178	5.9634	7.2208
As 188.980	13.3386	4.0039	9.2905
B 249.678	13.4946	12.5614	11.5205
Ba 389.178	0.3297	0.9035	0.4358
Be 313.042	0.0362	0.0423	0.0495
Ca 370.602	2.821	3.244	1.227
Cd 226.502	-0.0058u	0.0167	-0.0592u
Co 228.615	0.1345	0.6418	-0.2575u
Cr 267.716	0.2840	0.3697	0.4056

Label	Replicates Concentration		
Cu 324.754	0.3357	0.1572	0.1768
Fe 271.441	3.8269	0.4826	1.0384
K 766.491	-0.6914u	-0.2158u	0.1836
Mg 279.078	1.3506	-2.4632u	1.7232
Mn 257.610	0.3746	0.4056	0.3996
Mo 202.032	1.1745	0.8032	0.6588
Na 330.237	-108.869u	-2.0613u	-159.575u
Ni 231.604	1.0675	0.9037	1.1181
Pb 220.353	2.0769	2.2233	1.1934
Sb 206.834	2.8956	4.2842	5.0234
Se 196.026	1.7022	7.3891	2.7569
Sn 189.925	2.6738	0.3055	0.6586
Sr 216.596	0.4187	0.0751	0.7041
Ti 334.941	0.2354	0.2318	0.2104
Tl 190.794	1.9166	-0.4302u	0.8724
V 292.401	0.5413	0.0201	0.4232
Zn 206.200	0.4966	-1.0922u	1.3163

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1301	ppb	0.1772	136.2	-0.3973	0.13010
Al 308.215	6.7007	ppb	0.6562	9.8	438.782	6.70069
As 188.980	8.8776	ppb	4.6810	52.7	2.3506	8.87763
B 249.678	12.5255	ppb	0.9876	7.9	224.924	12.52546
Ba 389.178	0.5564	ppb	0.3053	54.9	-39.4939	0.55635
Be 313.042	0.0427	ppb	0.0066	15.5	-247.699	0.04266
Ca 370.602	2.431	ppb	1.064	43.8	16.82	2.43058
Cd 226.502	-0.0161	ppb	0.0390	242.0	12.6063	-0.01612
Co 228.615	0.1729	ppb	0.4509	260.7	4.9364	0.17294
Cr 267.716	0.3531	ppb	0.0625	17.7	48.6541	0.35312
Cu 324.754	0.2232	ppb	0.0979	43.9	265.576	0.22321
Fe 271.441	1.7826	ppb	1.7920	100.5	9.3713	1.78264
K 766.491	-0.2412	ppb	0.4381	181.6	314.764	-0.24120
Mg 279.078	0.2035	ppb	2.3169	1138.3	19.4169	0.20355
Mn 257.610	0.3933	ppb	0.0164	4.2	122.033	0.39327
Mo 202.032	0.8788	ppb	0.2660	30.3	11.7135	0.87880
Na 330.237	-90.1686	ppb	80.4047	89.2	17.7409	-90.16856
Ni 231.604	1.0298	ppb	0.1121	10.9	-1.9246	1.02976
Pb 220.353	1.8312	ppb	0.5572	30.4	3.0459	1.83121
Sb 206.834	4.0678	ppb	1.0803	26.6	6.4762	4.06776
Se 196.026	3.9494	ppb	3.0252	76.6	4.2607	3.94943
Sn 189.925	1.2126	ppb	1.2777	105.4	-4.5755	1.21264
Sr 216.596	0.3993	ppb	0.3150	78.9	6.7238	0.39933
Ti 334.941	0.2259	ppb	0.0135	6.0	0.8008	0.22587
Tl 190.794	0.7862	ppb	1.1758	149.5	-5.1945	0.78624
V 292.401	0.3282	ppb	0.2733	83.3	1.2693	0.32819
Zn 206.200	0.2402	ppb	1.2246	509.7	1.4224	0.24024

mb 680-353387/1-a (Samp) **10/15/2014, 10:47:24 AM** **Rack 1, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	0.1466	-0.3823u	0.0758
Al 308.215	9.7302	7.1834	7.9225
As 188.980	3.3243	7.8960	5.1705

Label	Replicates Concentration		
B 249.678	6.9957	6.7990	6.0282
Ba 389.178	0.1200	-0.2153u	-0.3488u
Be 313.042	0.0227	0.0144	0.0136
Ca 370.602	10.44	-0.1483u	3.966
Cd 226.502	0.1159	0.0887	-0.0356u
Co 228.615	-0.0210u	-0.4936u	0.0722
Cr 267.716	0.2356	0.3604	0.5051
Cu 324.754	-0.1804u	-0.0991u	0.0256
Fe 271.441	4.0402	5.4152	8.9257
K 766.491	-0.9545u	-1.2798u	-1.2211u
Mg 279.078	-2.0054u	0.0077	-0.0969u
Mn 257.610	0.1954	0.1561	0.1999
Mo 202.032	0.9367	0.2928	0.2450
Na 330.237	-27.3321u	1.5573	-81.2813u
Ni 231.604	1.0419	0.9031	-0.9826u
Pb 220.353	0.6090	0.7813	2.8672
Sb 206.834	0.3925	1.4194	0.8287
Se 196.026	3.3693	10.5249	1.7766
Sn 189.925	7.1322	3.4412	3.0697
Sr 216.596	0.3656	0.4546	0.0186
Ti 334.941	0.1861	0.1609	0.1594
Tl 190.794	3.3367	2.0708	0.1922
V 292.401	0.1227	-0.2200u	0.1717
Zn 206.200	2.0087	3.5233	0.7241

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0533	ppb	0.2871	538.9	-14.5867
Al 308.215	8.2787	ppb	1.3102	15.8	449.187
As 188.980	5.4636	ppb	2.2999	42.1	0.5191
B 249.678	6.6076	ppb	0.5114	7.7	135.380
Ba 389.178	-0.1481	ppb	0.2416	163.2	-53.7836
Be 313.042	0.0169	ppb	0.0050	29.8	-289.602
Ca 370.602	4.752	ppb	5.337	112.3	22.13
Cd 226.502	0.0563	ppb	0.0808	143.4	15.3308
Co 228.615	-0.1475	ppb	0.3034	205.7	1.6064
Cr 267.716	0.3670	ppb	0.1349	36.8	49.3459
Cu 324.754	-0.0847	ppb	0.1038	122.6	243.974
Fe 271.441	6.1270	ppb	2.5194	41.1	15.4316
K 766.491	-1.1518	ppb	0.1734	15.1	275.810
Mg 279.078	-0.6982	ppb	1.1333	162.3	17.2294
Mn 257.610	0.1838	ppb	0.0241	13.1	78.7065
Mo 202.032	0.4915	ppb	0.3863	78.6	9.3170
Na 330.237	-35.6854	ppb	42.0462	117.8	20.2876
Ni 231.604	0.3208	ppb	1.1309	352.5	-3.8871
Pb 220.353	1.4192	ppb	1.2570	88.6	2.4587
Sb 206.834	0.8802	ppb	0.5154	58.6	2.2825
Se 196.026	5.2236	ppb	4.6596	89.2	4.7513
Sn 189.925	4.5477	ppb	2.2460	49.4	-2.3828
Sr 216.596	0.2796	ppb	0.2304	82.4	5.4377
Ti 334.941	0.1688	ppb	0.0150	8.9	-15.0381
Tl 190.794	1.8666	ppb	1.5821	84.8	-4.1395
V 292.401	0.0248	ppb	0.2134	859.9	-6.5325
Zn 206.200	2.0854	ppb	1.4012	67.2	3.0868

lcs 680-353387/2-a (Samp) **10/15/2014, 10:51:39 AM** **Rack 1, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	48.9367	48.8247	49.0021
Al 308.215	4724.58	4730.72	4738.23
As 188.980	112.090	108.685	108.188
B 249.678	192.263	193.487	195.205
Ba 389.178	96.8599	95.9691	97.0833
Be 313.042	49.7755	49.7963	49.8599
Ca 370.602	4788	4777	4818
Cd 226.502	48.3861	48.4502	48.9698
Co 228.615	49.6007	49.2210	49.0267
Cr 267.716	98.3575	98.3770	98.3375
Cu 324.754	99.4372	100.227	100.506
Fe 271.441	4842.96	4856.33	4850.82
K 766.491	4947.35	4938.38	4927.48
Mg 279.078	4696.55	4699.93	4717.29
Mn 257.610	505.353	506.725	507.716
Mo 202.032	97.2835	97.9277	97.6701
Na 330.237	4775.89	4601.34	4615.79
Ni 231.604	96.7864	96.9450	98.5043
Pb 220.353	479.974	478.778	488.276
Sb 206.834	49.1840	48.4556	47.2359
Se 196.026	98.2044	107.233	90.8337
Sn 189.925	184.467	186.012	195.051
Sr 216.596	94.3387	95.0876	95.5324
Ti 334.941	98.7972	98.7403	98.9540
Tl 190.794	35.7432	36.2906	39.4819
V 292.401	98.0009	97.9609	98.4107
Zn 206.200	97.8748	97.2706	98.7084

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.9212	ppb	0.0897	0.2	3771.94
Al 308.215	4731.18	ppb	6.8366	0.1	31725.0
As 188.980	109.654	ppb	2.1238	1.9	56.4075
B 249.678	193.652	ppb	1.4779	0.8	2954.13
Ba 389.178	96.6374	ppb	0.5895	0.6	1918.17
Be 313.042	49.8106	ppb	0.0440	0.1	80766.0
Ca 370.602	4794	ppb	21.03	0.4	11093
Cd 226.502	48.6020	ppb	0.3201	0.7	1849.46
Co 228.615	49.2828	ppb	0.2920	0.6	516.352
Cr 267.716	98.3573	ppb	0.0198	0.0	4915.10
Cu 324.754	100.057	ppb	0.5542	0.6	7271.93
Fe 271.441	4850.03	ppb	6.7199	0.1	6843.20
K 766.491	4937.74	ppb	9.9481	0.2	211552
Mg 279.078	4704.59	ppb	11.1273	0.2	11437.8
Mn 257.610	506.598	ppb	1.1865	0.2	104849
Mo 202.032	97.6271	ppb	0.3242	0.3	610.122
Na 330.237	4664.34	ppb	96.8737	2.1	241.264
Ni 231.604	97.4119	ppb	0.9494	1.0	265.334
Pb 220.353	482.343	ppb	5.1734	1.1	687.862
Sb 206.834	48.2918	ppb	0.9843	2.0	64.4546
Se 196.026	98.7569	ppb	8.2134	8.3	40.8969
Sn 189.925	188.510	ppb	5.7173	3.0	118.571
Sr 216.596	94.9862	ppb	0.6033	0.6	1043.60

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	98.8305	ppb	0.1107	0.1	27370.1
Tl 190.794	37.1719	ppb	2.0192	5.4	29.9999
V 292.401	98.1242	ppb	0.2489	0.3	2519.49
Zn 206.200	97.9513	ppb	0.7220	0.7	89.1364

680-106149-b-1-a (Samp) **10/15/2014, 10:55:55 AM** **Rack 1, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	18.0775	18.1687	18.3628
Al 308.215	454.517	454.665	457.316
As 188.980	-1.6636u	9.8747	12.7812
B 249.678	1634.40	1645.53	1647.41
Ba 389.178	11.6037	10.7454	10.5223
Be 313.042	0.2019u	0.2029u	0.2063u
Ca 370.602	22503	22692	22766
Cd 226.502	58.9003	59.3175	59.1053
Co 228.615	1.6849	1.4959	2.6297
Cr 267.716	166.180	167.681	168.063
Cu 324.754	47.4621	47.5561	47.1431
Fe 271.441	371.045	362.703	367.767
K 766.491	28999.2	28869.1	28771.5
Mg 279.078	1318.35	1318.22	1325.35
Mn 257.610	6.0319	6.0196	5.9764
Mo 202.032	5.2706	4.5094	4.0995
Na 330.237	3447877x	3462922x	3488746x
Ni 231.604	58.4703	57.2159	58.6228
Pb 220.353	-0.3728u	-2.1138u	-2.9550u
Sb 206.834	1.5941	4.0772	7.1226
Se 196.026	18.8103	27.9870	16.5492
Sn 189.925	-2.5527u	1.4551	-1.9099u
Sr 216.596	79.8274	79.5319	78.6322
Ti 334.941	20.5045	20.6551	20.6161
Tl 190.794	-4.2518u	-4.1865u	-5.1755u
V 292.401	5.8487	5.9541	5.7512
Zn 206.200	12.1073	16.0302	16.9205

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	18.2030b	ppb	0.1457	0.8	1394.82
Al 308.215	455.499b	ppb	1.5753	0.3	3409.87
As 188.980	6.9974b	ppb	7.6402	109.2	1.3429
B 249.678	1642.44b	ppb	7.0318	0.4	24870.1
Ba 389.178	10.9571b	ppb	0.5709	5.2	173.326
Be 313.042	0.2037b	ppb	0.0023	1.1	-325.898
Ca 370.602	22654b	ppb	135.7	0.6	52383
Cd 226.502	59.1077b	ppb	0.2086	0.4	2207.17
Co 228.615	1.9368b	ppb	0.6074	31.4	23.9778
Cr 267.716	167.308b	ppb	0.9955	0.6	8396.56
Cu 324.754	47.3871b	ppb	0.2164	0.5	3573.72
Fe 271.441	367.172b	ppb	4.2026	1.1	524.444
K 766.491	28879.9b	ppb	114.260	0.4	1235756
Mg 279.078	1320.64b	ppb	4.0801	0.3	3227.18
Mn 257.610	6.0093b	ppb	0.0291	0.5	1277.45
Mo 202.032	4.6265b	ppb	0.5943	12.8	34.8858

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	3466515xb	ppb	20669.6	0.6	165743
Ni 231.604	58.1030b	ppb	0.7721	1.3	156.202
Pb 220.353	-1.8139b	ppb	1.3170	72.6	-2.0684
Sb 206.834	4.2646b	ppb	2.7690	64.9	8.4488
Se 196.026	21.1155b	ppb	6.0573	28.7	10.8737
Sn 189.925	-1.0025b	ppb	2.1525	214.7	-5.0607
Sr 216.596	79.3305b	ppb	0.6225	0.8	875.778
Ti 334.941	20.5919b	ppb	0.0781	0.4	5387.33
Tl 190.794	-4.5380b	ppb	0.5531	12.2	-10.4405
V 292.401	5.8513b	ppb	0.1015	1.7	111.254
Zn 206.200	15.0193b	ppb	2.5609	17.1	14.3094

680-106149-b-1-aSD (Samp) **10/15/2014, 11:00:11 AM** **Rack 1, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	3.3420	3.7190	3.7029
Al 308.215	102.449	101.383	99.5454
As 188.980	5.5789	3.1081	2.5560
B 249.678	366.932	362.397	356.386
Ba 389.178	1.7156	1.2544	2.1647
Be 313.042	0.0433	0.0414	0.0459
Ca 370.602	5050	4919	4894
Cd 226.502	13.2022	13.0590	12.7594
Co 228.615	0.0690	0.5024	0.2037
Cr 267.716	37.9603	37.2167	37.0193
Cu 324.754	10.4036	9.8425	9.6896
Fe 271.441	83.5795	85.4914	79.0724
K 766.491	4176.46	4130.45	4030.69
Mg 279.078	310.811	312.024	305.631
Mn 257.610	1.3304	1.2871	1.2838
Mo 202.032	0.7287	1.5638	0.5222
Na 330.237	693815x	679274x	664328x
Ni 231.604	12.5991	13.6175	14.4929
Pb 220.353	0.1379	0.0059	-2.2682u
Sb 206.834	4.2066	3.6724	1.4232
Se 196.026	19.7223	15.3896	5.6863
Sn 189.925	-1.0844u	-1.2774u	0.1200
Sr 216.596	17.4261	17.7446	17.7897
Ti 334.941	4.5411	4.5646	4.3595
Tl 190.794	1.6962	-1.1353u	-3.4073u
V 292.401	1.3003	1.5234	1.2736
Zn 206.200	4.1293	-0.0092u	1.2289

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.5879b	ppb	0.2132	5.9	266.471
Al 308.215	101.126b	ppb	1.4686	1.5	1063.85
As 188.980	3.7476b	ppb	1.6097	43.0	-0.4012
B 249.678	361.905b	ppb	5.2903	1.5	5507.68
Ba 389.178	1.7116b	ppb	0.4552	26.6	-15.6256
Be 313.042	0.0435b	ppb	0.0022	5.2	-312.818
Ca 370.602	4954b	ppb	83.94	1.7	11465
Cd 226.502	13.0069b	ppb	0.2260	1.7	496.470
Co 228.615	0.2584b	ppb	0.2218	85.9	5.9879

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	37.3988b	ppb	0.4962	1.3	1899.35
Cu 324.754	9.9786b	ppb	0.3760	3.8	949.811
Fe 271.441	82.7144b	ppb	3.2958	4.0	123.382
K 766.491	4112.53b	ppb	74.5193	1.8	176252
Mg 279.078	309.489b	ppb	3.3953	1.1	770.779
Mn 257.610	1.3004b	ppb	0.0260	2.0	308.879
Mo 202.032	0.9382b	ppb	0.5515	58.8	12.0769
Na 330.237	679139xb	ppb	14744.3	2.2	32489.2
Ni 231.604	13.5698b	ppb	0.9478	7.0	32.8204
Pb 220.353	-0.7081b	ppb	1.3527	191.0	-0.5556
Sb 206.834	3.1007b	ppb	1.4771	47.6	5.5928
Se 196.026	13.5994b	ppb	7.1872	52.8	7.9769
Sn 189.925	-0.7473b	ppb	0.7572	101.3	-5.6733
Sr 216.596	17.6534b	ppb	0.1982	1.1	196.716
Ti 334.941	4.4884b	ppb	0.1122	2.5	1131.67
Tl 190.794	-0.9488b	ppb	2.5568	269.5	-6.9003
V 292.401	1.3658b	ppb	0.1371	10.0	21.5706
Zn 206.200	1.7830b	ppb	2.1241	119.1	2.7151

680-106149-b-1-aPDS (Samp) **10/15/2014, 11:04:27 AM** **Rack 1, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	127.073	125.864	127.048
Al 308.215	1583.07	1582.37	1587.94
As 188.980	122.220	123.425	116.716
B 249.678	1888.54	1883.78	1901.25
Ba 389.178	91.5250	90.9713	92.0428
Be 313.042	98.0932	97.0135	98.2449
Ca 370.602	32303	31900	32265
Cd 226.502	156.923	154.659	156.288
Co 228.615	97.1728	95.2846	96.6411
Cr 267.716	266.676	264.020	267.203
Cu 324.754	159.349	158.673	159.298
Fe 271.441	9849.80	9744.84	9851.69
K 766.491	52721.3x	52553.9x	52704.8x
Mg 279.078	10204.8	10120.1	10204.7
Mn 257.610	1016.03	1006.32	1015.95
Mo 202.032	101.112	101.110	101.112
Na 330.237	3547616x	3542720x	3555434x
Ni 231.604	152.605	150.580	150.215
Pb 220.353	94.5416	90.1423	89.2605
Sb 206.834	110.046	105.803	105.754
Se 196.026	145.855	155.133	152.725
Sn 189.925	95.8516	93.2131	95.3313
Sr 216.596	180.417	178.609	179.640
Ti 334.941	118.937	117.998	119.395
Tl 190.794	14.2774	10.3663	17.9229
V 292.401	104.999	103.882	104.768
Zn 206.200	116.833	113.674	114.279

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	126.662b	ppb	0.6911	0.5	9783.21
Al 308.215	1584.46b	ppb	3.0310	0.2	10910.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	120.787b	ppb	3.5762	3.0	62.3262
B 249.678	1891.19b	ppb	9.0310	0.5	28613.0
Ba 389.178	91.5130b	ppb	0.5359	0.6	1823.68
Be 313.042	97.7839b	ppb	0.6715	0.7	158518
Ca 370.602	32156b	ppb	222.7	0.7	74313
Cd 226.502	155.957b	ppb	1.1676	0.7	5865.11
Co 228.615	96.3662b	ppb	0.9737	1.0	1007.82
Cr 267.716	265.966b	ppb	1.7062	0.6	13300.7
Cu 324.754	159.107b	ppb	0.3765	0.2	11415.6
Fe 271.441	9815.44b	ppb	61.1517	0.6	13841.2
K 766.491	52660.0xb	ppb	92.2483	0.2	2253024
Mg 279.078	10176.5b	ppb	48.8876	0.5	24723.7
Mn 257.610	1012.77b	ppb	5.5856	0.6	209558
Mo 202.032	101.111b	ppb	0.0014	0.0	631.466
Na 330.237	3548590xb	ppb	6412.32	0.2	169662
Ni 231.604	151.134b	ppb	1.2872	0.9	414.427
Pb 220.353	91.3148b	ppb	2.8290	3.1	130.209
Sb 206.834	107.201b	ppb	2.4641	2.3	143.993
Se 196.026	151.237b	ppb	4.8147	3.2	61.2376
Sn 189.925	94.7987b	ppb	1.3976	1.5	57.9508
Sr 216.596	179.556b	ppb	0.9069	0.5	1980.87
Ti 334.941	118.777b	ppb	0.7118	0.6	32641.3
Tl 190.794	14.1889b	ppb	3.7791	26.6	7.2916
V 292.401	104.550b	ppb	0.5895	0.6	2653.99
Zn 206.200	114.929b	ppb	1.6771	1.5	103.827

680-106149-b-1-b ms (Samp) **10/15/2014, 11:08:43 AM** **Rack 1, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	74.5696	76.0753	75.4482
Al 308.215	5941.60	5990.64	5958.97
As 188.980	123.317	126.438	127.387
B 249.678	1780.59	1810.73	1810.02
Ba 389.178	103.810	105.978	105.105
Be 313.042	48.7512	49.9535	49.5683
Ca 370.602	26106	26723	26438
Cd 226.502	101.895	105.078	105.514
Co 228.615	48.3315	48.8210	48.8811
Cr 267.716	250.292	256.305	253.758
Cu 324.754	152.321	151.959	151.835
Fe 271.441	4938.62	5044.90	5003.32
K 766.491	38243.5	38466.3	38333.7
Mg 279.078	5534.48	5636.37	5596.14
Mn 257.610	495.903	506.321	500.930
Mo 202.032	97.3975	99.1496	99.1243
Na 330.237	3380174x	3373262x	3343894x
Ni 231.604	143.093	148.787	148.720
Pb 220.353	451.801	463.352	458.743
Sb 206.834	56.9354	56.6203	56.2137
Se 196.026	148.095	144.006	135.219
Sn 189.925	174.925	177.887	184.921
Sr 216.596	168.257	173.759	173.750
Ti 334.941	114.209	116.160	115.238

Label	Replicates Concentration		
Tl 190.794	25.8628	28.9054	26.9922
V 292.401	101.796	103.723	102.384
Zn 206.200	109.743	112.672	110.662

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	75.3644b	ppb	0.7563	1.0	5814.56
Al 308.215	5963.74b	ppb	24.8650	0.4	39881.9
As 188.980	125.714b	ppb	2.1296	1.7	65.0325
B 249.678	1800.45b	ppb	17.2017	1.0	27250.3
Ba 389.178	104.964b	ppb	1.0906	1.0	2088.25
Be 313.042	49.4243b	ppb	0.6140	1.2	79807.0
Ca 370.602	26422b	ppb	308.4	1.2	61094
Cd 226.502	104.162b	ppb	1.9756	1.9	3910.47
Co 228.615	48.6778b	ppb	0.3015	0.6	510.678
Cr 267.716	253.451b	ppb	3.0183	1.2	12672.5
Cu 324.754	152.039b	ppb	0.2526	0.2	10917.8
Fe 271.441	4995.61b	ppb	53.5531	1.1	7048.46
K 766.491	38347.8b	ppb	112.088	0.3	1640775
Mg 279.078	5589.00b	ppb	51.3157	0.9	13586.2
Mn 257.610	501.052b	ppb	5.2100	1.0	103693
Mo 202.032	98.5571b	ppb	1.0044	1.0	615.867
Na 330.237	3365777xb	ppb	19263.7	0.6	160924
Ni 231.604	146.867b	ppb	3.2679	2.2	402.345
Pb 220.353	457.965b	ppb	5.8143	1.3	653.183
Sb 206.834	56.5898b	ppb	0.3619	0.6	77.0193
Se 196.026	142.440b	ppb	6.5794	4.6	57.7155
Sn 189.925	179.245b	ppb	5.1346	2.9	113.422
Sr 216.596	171.922b	ppb	3.1740	1.8	1890.52
Ti 334.941	115.202b	ppb	0.9763	0.8	31655.4
Tl 190.794	27.2535b	ppb	1.5380	5.6	20.2844
V 292.401	102.634b	ppb	0.9873	1.0	2604.73
Zn 206.200	111.026b	ppb	1.4978	1.3	100.522

680-106149-b-1-c msd (Samp) **10/15/2014, 11:13:01 AM** **Rack 1, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	75.9414	75.8289	75.1703
Al 308.215	6074.82	6054.68	6040.35
As 188.980	129.976	126.621	121.296
B 249.678	1839.90	1844.68	1832.98
Ba 389.178	105.969	107.071	106.448
Be 313.042	50.1493	50.3329	49.8719
Ca 370.602	26540	26653	26324
Cd 226.502	105.022	105.982	104.226
Co 228.615	48.7109	49.6111	48.6068
Cr 267.716	254.168	255.752	252.906
Cu 324.754	157.483	156.192	156.110
Fe 271.441	5056.91	5071.23	5025.25
K 766.491	40231.7	40262.5	40119.0
Mg 279.078	5645.69	5653.02	5598.94
Mn 257.610	503.611	506.060	500.400
Mo 202.032	100.327	100.722	100.880
Na 330.237	3396093x	3419504x	3404112x

Label	Replicates Concentration		
Ni 231.604	148.223	149.774	147.027
Pb 220.353	456.614	462.803	452.901
Sb 206.834	57.3059	59.9946	55.3775
Se 196.026	148.291	141.801	136.001
Sn 189.925	182.191	183.105	181.661
Sr 216.596	173.241	173.560	170.392
Ti 334.941	116.503	116.775	115.974
Tl 190.794	31.1049	30.8792	30.8369
V 292.401	103.180	103.420	103.174
Zn 206.200	109.840	115.748	108.648

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	75.6469b	ppb	0.4165	0.6	5836.43
Al 308.215	6056.62b	ppb	17.3169	0.3	40496.8
As 188.980	125.964b	ppb	4.3771	3.5	65.1669
B 249.678	1839.19b	ppb	5.8840	0.3	27835.9
Ba 389.178	106.496b	ppb	0.5525	0.5	2119.42
Be 313.042	50.1180b	ppb	0.2321	0.5	80931.9
Ca 370.602	26506b	ppb	167.0	0.6	61287
Cd 226.502	105.077b	ppb	0.8794	0.8	3944.67
Co 228.615	48.9763b	ppb	0.5522	1.1	513.766
Cr 267.716	254.275b	ppb	1.4258	0.6	12714.1
Cu 324.754	156.595b	ppb	0.7700	0.5	11237.5
Fe 271.441	5051.13b	ppb	23.5275	0.5	7126.67
K 766.491	40204.4b	ppb	75.5443	0.2	1720196
Mg 279.078	5632.55b	ppb	29.3366	0.5	13691.9
Mn 257.610	503.357b	ppb	2.8389	0.6	104170
Mo 202.032	100.643b	ppb	0.2847	0.3	628.772
Na 330.237	3406569xb	ppb	11897.6	0.3	162874
Ni 231.604	148.342b	ppb	1.3773	0.9	406.435
Pb 220.353	457.439b	ppb	5.0023	1.1	652.426
Sb 206.834	57.5593b	ppb	2.3190	4.0	78.2766
Se 196.026	142.031b	ppb	6.1483	4.3	57.5589
Sn 189.925	182.319b	ppb	0.7301	0.4	115.455
Sr 216.596	172.398b	ppb	1.7441	1.0	1895.73
Ti 334.941	116.417b	ppb	0.4070	0.3	31989.5
Tl 190.794	30.9404b	ppb	0.1441	0.5	23.8778
V 292.401	103.258b	ppb	0.1401	0.1	2620.33
Zn 206.200	111.412b	ppb	3.8021	3.4	100.867

680-106174-e-1-a (Samp) **10/15/2014, 11:17:18 AM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2055u	0.3436	0.1731
Al 308.215	2063.34	2079.09	2074.83
As 188.980	4.2076	3.4407	4.4440
B 249.678	33.1997	30.3541	27.0358
Ba 389.178	16.5045	16.8791	16.2271
Be 313.042	0.2363	0.2408	0.2372
Ca 370.602	4988	5031	5005
Cd 226.502	-0.2335	-0.2816	-0.1829
Co 228.615	2.7157	3.7510	3.0317
Cr 267.716	5.1512	5.3760	5.1724

Label	Replicates Concentration		
Cu 324.754	4.0842	4.2445	3.9459
Fe 271.441	9424.95	9461.85	9436.71
K 766.491	1849.05	1845.68	1847.45
Mg 279.078	7630.18	7675.13	7660.10
Mn 257.610	349.342	351.193	350.480
Mo 202.032	1.9911	1.3292	2.0087
Na 330.237	3351.53	3332.97	3402.92
Ni 231.604	2.7004	2.6679	4.3563
Pb 220.353	2.1689	4.0720	2.6004
Sb 206.834	0.3962	1.7497	0.1230
Se 196.026	4.7033	5.2631	13.9881
Sn 189.925	3.2649	0.8109	2.2802
Sr 216.596	30.3821	30.5865	30.8097
Ti 334.941	98.6590	99.4159	99.1350
Tl 190.794	-1.4449u	-0.8051u	3.5843
V 292.401	5.8667	6.2030	6.1887
Zn 206.200	9.7571	8.4187	8.8385

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1038	ppb	0.2811	270.9	-3.3159
Al 308.215	2072.42	ppb	8.1453	0.4	14124.6
As 188.980	4.0308	ppb	0.5245	13.0	-0.2821
B 249.678	30.1965	ppb	3.0850	10.2	472.305
Ba 389.178	16.5369	ppb	0.3272	2.0	299.042
Be 313.042	0.2381	ppb	0.0024	1.0	71.3081
Ca 370.602	5008	ppb	21.56	0.4	11538
Cd 226.502	-0.2327	ppb	0.0494	21.2	38.2731
Co 228.615	3.1662	ppb	0.5306	16.8	38.5875
Cr 267.716	5.2332	ppb	0.1241	2.4	296.728
Cu 324.754	4.0915	ppb	0.1495	3.7	540.740
Fe 271.441	9441.17	ppb	18.8453	0.2	13302.8
K 766.491	1847.39	ppb	1.6830	0.1	79353.1
Mg 279.078	7655.13	ppb	22.8809	0.3	18610.0
Mn 257.610	350.339	ppb	0.9336	0.3	72570.6
Mo 202.032	1.7763	ppb	0.3873	21.8	16.8597
Na 330.237	3362.47	ppb	36.2399	1.1	180.172
Ni 231.604	3.2415	ppb	0.9656	29.8	4.9164
Pb 220.353	2.9471	ppb	0.9978	33.9	4.0627
Sb 206.834	0.7563	ppb	0.8711	115.2	2.4327
Se 196.026	7.9848	ppb	5.2065	65.2	5.9531
Sn 189.925	2.1187	ppb	1.2349	58.3	-3.9789
Sr 216.596	30.5928	ppb	0.2139	0.7	348.416
Ti 334.941	99.0700	ppb	0.3826	0.4	27442.0
Tl 190.794	0.4448	ppb	2.7377	615.5	-6.4888
V 292.401	6.0861	ppb	0.1902	3.1	155.050
Zn 206.200	9.0048	ppb	0.6845	7.6	8.9566

680-106174-e-2-a (Samp) **10/15/2014, 11:21:35 AM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0544u	0.0190	0.1372
Al 308.215	1320.76	1320.85	1311.95
As 188.980	2.0249	1.8693	3.2865

Label	Replicates Concentration		
B 249.678	18.2624	17.5467	17.0225
Ba 389.178	46.5377	45.0812	45.2005
Be 313.042	0.0699	0.0654	0.0646
Ca 370.602	664.3	661.5	654.5
Cd 226.502	-0.0552	-0.1145	0.1322
Co 228.615	-0.0818u	-0.4463u	-0.1745u
Cr 267.716	2.0336	1.9712	1.9569
Cu 324.754	6.8830	6.8184	6.9718
Fe 271.441	1673.78	1692.35	1662.86
K 766.491	928.470	929.069	939.262
Mg 279.078	324.085	324.973	321.091
Mn 257.610	8.0994	8.0848	7.9977
Mo 202.032	0.1089	0.2796	0.4869
Na 330.237	698.877	672.206	565.399
Ni 231.604	3.0553	0.6426	0.2700
Pb 220.353	0.1149	2.0012	0.9559
Sb 206.834	0.4280	2.3879	-0.3636u
Se 196.026	15.7881	12.4217	3.3396
Sn 189.925	0.6087	2.0225	1.6289
Sr 216.596	5.9308	6.1313	5.9040
Ti 334.941	24.0306	24.5784	24.1816
Tl 190.794	-3.0794u	-0.8863u	-3.3103u
V 292.401	7.0172	7.2438	7.1065
Zn 206.200	7.8127	4.9085	8.5930

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0339	ppb	0.0967	285.1	-8.2274
Al 308.215	1317.85	ppb	5.1130	0.4	9118.53
As 188.980	2.3936	ppb	0.7772	32.5	-1.1256
B 249.678	17.6105	ppb	0.6224	3.5	298.272
Ba 389.178	45.6065	ppb	0.8087	1.8	875.439
Be 313.042	0.0666	ppb	0.0028	4.3	-208.162
Ca 370.602	660.1	ppb	5.008	0.8	1530
Cd 226.502	-0.0125	ppb	0.1288	1030.4	18.7157
Co 228.615	-0.2342	ppb	0.1894	80.9	1.2806
Cr 267.716	1.9872	ppb	0.0408	2.1	130.513
Cu 324.754	6.8911	ppb	0.0770	1.1	733.807
Fe 271.441	1676.33	ppb	14.9122	0.9	2367.57
K 766.491	932.267	ppb	6.0654	0.7	40205.8
Mg 279.078	323.383	ppb	2.0340	0.6	803.997
Mn 257.610	8.0607	ppb	0.0550	0.7	1714.71
Mo 202.032	0.2918	ppb	0.1893	64.9	8.0028
Na 330.237	645.494	ppb	70.6345	10.9	52.2858
Ni 231.604	1.3226	ppb	1.5121	114.3	-0.9843
Pb 220.353	1.0240	ppb	0.9450	92.3	1.7699
Sb 206.834	0.8175	ppb	1.4165	173.3	2.2705
Se 196.026	10.5164	ppb	6.4392	61.2	6.8033
Sn 189.925	1.4200	ppb	0.7297	51.4	-4.4390
Sr 216.596	5.9887	ppb	0.1242	2.1	69.8111
Ti 334.941	24.2635	ppb	0.2830	1.2	6671.55
Tl 190.794	-2.4253	ppb	1.3379	55.2	-8.5205
V 292.401	7.1225	ppb	0.1142	1.6	178.341
Zn 206.200	7.1048	ppb	1.9416	27.3	7.5472

680-106174-d-3-a (Samp) **10/15/2014, 11:25:53 AM** **Rack 1, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	0.1076	0.0855	-0.1048u
Al 308.215	964.375	956.435	961.078
As 188.980	4.4438	7.8935	4.6195
B 249.678	13.8705	13.7073	12.9355
Ba 389.178	26.4198	26.9861	26.7188
Be 313.042	0.1006	0.1020	0.1015
Ca 370.602	555.7	549.4	549.1
Cd 226.502	-0.0356u	-0.0364u	0.0034
Co 228.615	1.6530	0.4702	0.7412
Cr 267.716	1.4279	1.4385	1.4688
Cu 324.754	2.6952	2.6508	2.6687
Fe 271.441	275.449	276.828	278.450
K 766.491	726.696	722.855	729.277
Mg 279.078	405.767	405.801	404.008
Mn 257.610	8.9110	8.8396	8.8460
Mo 202.032	0.3648	0.3892	-0.1183u
Na 330.237	1250.65	1152.34	1104.29
Ni 231.604	0.5753	1.2234	1.1996
Pb 220.353	-0.4226u	-0.0192u	1.5594
Sb 206.834	1.4903	2.1055	2.9157
Se 196.026	4.7613	6.7959	8.6100
Sn 189.925	0.1293	1.8608	0.1429
Sr 216.596	6.1822	5.7408	5.4776
Ti 334.941	18.0780	16.8912	18.8411
Tl 190.794	1.3037	0.7013	1.5984
V 292.401	2.8752	3.2309	2.9550
Zn 206.200	3.0097	4.2434	4.0837

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0294	ppb	0.1167	396.7	-8.3585
Al 308.215	960.629	ppb	3.9890	0.4	6751.92
As 188.980	5.6523	ppb	1.9430	34.4	0.6270
B 249.678	13.5044	ppb	0.4994	3.7	239.121
Ba 389.178	26.7082	ppb	0.2833	1.1	491.554
Be 313.042	0.1014	ppb	0.0007	0.7	-151.862
Ca 370.602	551.4	ppb	3.740	0.7	1290
Cd 226.502	-0.0229	ppb	0.0228	99.5	13.3469
Co 228.615	0.9548	ppb	0.6196	64.9	13.4571
Cr 267.716	1.4451	ppb	0.0212	1.5	103.037
Cu 324.754	2.6716	ppb	0.0223	0.8	437.350
Fe 271.441	276.909	ppb	1.5023	0.5	396.916
K 766.491	726.276	ppb	3.2314	0.4	31393.8
Mg 279.078	405.192	ppb	1.0256	0.3	1002.86
Mn 257.610	8.8655	ppb	0.0395	0.4	1877.76
Mo 202.032	0.2119	ppb	0.2863	135.1	7.5720
Na 330.237	1169.09	ppb	74.6023	6.4	77.7421
Ni 231.604	0.9994	ppb	0.3675	36.8	-1.9886
Pb 220.353	0.3726	ppb	1.0475	281.2	0.9319
Sb 206.834	2.1705	ppb	0.7149	32.9	4.0058
Se 196.026	6.7224	ppb	1.9254	28.6	5.3321
Sn 189.925	0.7110	ppb	0.9958	140.1	-4.9050
Sr 216.596	5.8002	ppb	0.3561	6.1	66.2154

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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

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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

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	28318.9	ppb	211.197	0.7	1375.02
Ni 231.604	0.8099	ppb	0.1908	23.6	-2.5318
Pb 220.353	-0.2309	ppb	0.5103	221.0	0.1069
Sb 206.834	2.4115	ppb	1.4262	59.1	4.3109
Se 196.026	6.2989	ppb	6.7845	107.7	5.1659
Sn 189.925	1.2363	ppb	1.5079	122.0	-4.5520
Sr 216.596	63.5701	ppb	0.0437	0.1	699.428
Ti 334.941	0.0862	ppb	0.0288	33.4	-37.4465
Tl 190.794	0.5431	ppb	0.9075	167.1	-5.4292
V 292.401	1.0451	ppb	0.0800	7.7	19.8188
Zn 206.200	34.4419	ppb	0.9209	2.7	32.2777

680-106095-e-1-a (Samp) **10/15/2014, 12:08:29 PM** **Rack 1, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-0.2251u	-0.0872u	-0.0794u
Al 308.215	1903.28	1923.44	1902.02
As 188.980	2.6217	6.5839	6.3546
B 249.678	6.6738	6.8934	6.5813
Ba 389.178	39.1808	39.2274	38.1484
Be 313.042	0.1833	0.1784	0.1811
Ca 370.602	756.7	769.0	763.2
Cd 226.502	0.0090	-0.1350	-0.0793
Co 228.615	1.0322	0.5469	0.9268
Cr 267.716	2.6124	2.5009	2.7220
Cu 324.754	4.2217	4.6538	4.5993
Fe 271.441	2390.64	2412.45	2385.40
K 766.491	1159.61	1160.83	1149.69
Mg 279.078	747.375	755.099	749.682
Mn 257.610	13.8624	13.9246	13.8432
Mo 202.032	0.1590	0.7156	0.8901
Na 330.237	2384.34	2238.94	2317.94
Ni 231.604	2.0289	2.4275	1.1412
Pb 220.353	-0.3022u	2.7968	2.4117
Sb 206.834	1.6968	1.4244	2.7914
Se 196.026	1.8892	14.7855	2.4321
Sn 189.925	0.5400	0.9990	3.0140
Sr 216.596	9.1618	9.3517	9.4630
Ti 334.941	27.8857	27.8551	27.4380
Tl 190.794	2.9211	0.9309	0.5196
V 292.401	11.4071	11.6136	11.2496
Zn 206.200	4.5723	6.6740	7.3189

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1306	ppb	0.0820	62.8	-21.1254
Al 308.215	1909.58	ppb	12.0213	0.6	13035.8
As 188.980	5.1867	ppb	2.2244	42.9	0.3741
B 249.678	6.7161	ppb	0.1603	2.4	132.063
Ba 389.178	38.8522	ppb	0.6100	1.6	739.358
Be 313.042	0.1809	ppb	0.0024	1.3	-22.0006
Ca 370.602	763.0	ppb	6.196	0.8	1762
Cd 226.502	-0.0684	ppb	0.0726	106.0	19.1524
Co 228.615	0.8353	ppb	0.2552	30.6	12.5185

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	2.6118	ppb	0.1106	4.2	161.842
Cu 324.754	4.4916	ppb	0.2353	5.2	565.770
Fe 271.441	2396.16	ppb	14.3447	0.6	3381.41
K 766.491	1156.71	ppb	6.1118	0.5	49807.1
Mg 279.078	750.719	ppb	3.9655	0.5	1841.90
Mn 257.610	13.8767	ppb	0.0426	0.3	2922.56
Mo 202.032	0.5882	ppb	0.3819	64.9	9.8028
Na 330.237	2313.74	ppb	72.7927	3.1	131.889
Ni 231.604	1.8659	ppb	0.6585	35.3	0.5729
Pb 220.353	1.6354	ppb	1.6891	103.3	2.5905
Sb 206.834	1.9709	ppb	0.7235	36.7	3.8106
Se 196.026	6.3689	ppb	7.2940	114.5	5.2129
Sn 189.925	1.5177	ppb	1.3160	86.7	-4.3743
Sr 216.596	9.3255	ppb	0.1523	1.6	107.054
Ti 334.941	27.7262	ppb	0.2501	0.9	7633.08
Tl 190.794	1.4572	ppb	1.2844	88.1	-4.8004
V 292.401	11.4234	ppb	0.1826	1.6	290.004
Zn 206.200	6.1884	ppb	1.4363	23.2	6.6919

680-106095-e-2-a (Samp) **10/15/2014, 12:12:46 PM** **Rack 1, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	-0.4125u	-0.3470u	-0.1359u
Al 308.215	6588.81	6599.53	6566.75
As 188.980	4.6277	4.2473	9.4555
B 249.678	6.0525	6.4928	6.1877
Ba 389.178	83.7887	85.4614	83.4986
Be 313.042	0.6483	0.6443	0.6410
Ca 370.602	1964	1984	1966
Cd 226.502	0.2697	0.2236	0.2670
Co 228.615	7.8200	7.0994	7.4382
Cr 267.716	15.1125	14.9691	14.8938
Cu 324.754	35.5797	35.1937	35.3641
Fe 271.441	10219.0	10273.2	10180.6
K 766.491	4422.56	4439.17	4424.52
Mg 279.078	3976.81	3980.28	3947.72
Mn 257.610	176.902	177.543	176.471
Mo 202.032	0.7495	1.0125	0.5997
Na 330.237	1349.28	1173.56	1186.81
Ni 231.604	8.6885	7.8008	7.2687
Pb 220.353	8.6212	12.0786	9.6263
Sb 206.834	3.6897	0.6178	-0.8372u
Se 196.026	6.5591	10.3470	3.9043
Sn 189.925	1.2826	2.1810	-0.0476u
Sr 216.596	15.5164	15.0792	15.8238
Ti 334.941	304.121	304.861	303.389
Tl 190.794	3.9118	-0.2519u	-0.0956u
V 292.401	20.3667	20.0465	20.2578
Zn 206.200	122.941	124.330	122.007

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2984	ppb	0.1445	48.4	-34.7731
Al 308.215	6585.03	ppb	16.7134	0.3	43988.6

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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

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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

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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

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	7.5594b	ppb	5.7172	75.6	1.8276
B 249.678	422.130b	ppb	8.9989	2.1	6388.02
Ba 389.178	2752.87b	ppb	78.6263	2.9	55821.8
Be 313.042	0.4988b	ppb	0.0190	3.8	549.531
Ca 370.602	204822b	ppb	6220	3.0	474396
Cd 226.502	22.4124b	ppb	0.7032	3.1	904.352
Co 228.615	8.7115b	ppb	0.5673	6.5	140.187
Cr 267.716	190.927b	ppb	5.3000	2.8	9560.52
Cu 324.754	246.898b	ppb	7.4651	3.0	17572.6
Fe 271.441	14651.6b	ppb	400.546	2.7	20642.0
K 766.491	71802.7xb	ppb	1882.15	2.6	3071915
Mg 279.078	26218.5b	ppb	716.650	2.7	63525.5
Mn 257.610	9836.71b	ppb	285.081	2.9	2034426
Mo 202.032	13.4316b	ppb	0.2379	1.8	88.7440
Na 330.237	29949.8b	ppb	649.404	2.2	1420.41
Ni 231.604	25.8926b	ppb	0.6567	2.5	68.0510
Pb 220.353	41.2680b	ppb	1.5170	3.7	58.8520
Sb 206.834	0.9014b	ppb	3.6408	403.9	4.5458
Se 196.026	9.3582b	ppb	1.7651	18.9	8.3388
Sn 189.925	2.1414b	ppb	0.8236	38.5	-3.9566
Sr 216.596	996.030b	ppb	26.2723	2.6	10970.0
Ti 334.941	2360.50b	ppb	67.3505	2.9	654979
Tl 190.794	-1.9260b	ppb	1.4484	75.2	-5.1066
V 292.401	26.2776b	ppb	0.8238	3.1	703.793
Zn 206.200	1019.77b	ppb	26.6885	2.6	920.157

680-106162-a-3-b (Samp) **10/15/2014, 12:51:06 PM** **Rack 1, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	5.8078	5.5691	5.7146
Al 308.215	31902.1	31007.9	30226.1
As 188.980	4.3301	10.9124	4.1829
B 249.678	407.353	398.805	390.899
Ba 389.178	2887.99	2809.45	2745.15
Be 313.042	0.5160	0.4842	0.4870
Ca 370.602	204085	200366	194365
Cd 226.502	22.8329	22.3691	21.6221
Co 228.615	8.5931	8.3902	8.5505
Cr 267.716	226.014	220.651	215.953
Cu 324.754	231.429	225.539	221.979
Fe 271.441	14632.5	14260.4	13930.4
K 766.491	77656.4x	76042.6x	74024.8x
Mg 279.078	27794.7	27060.2	26431.6
Mn 257.610	9898.05	9659.37	9443.44
Mo 202.032	14.0216	13.1859	13.0201
Na 330.237	31129.6	30055.3	29253.5
Ni 231.604	28.5555	26.2770	27.3031
Pb 220.353	46.1129	49.7263	45.2530
Sb 206.834	1.0568	0.3092	3.6216
Se 196.026	-5.3587u	2.9448	8.0808
Sn 189.925	4.8080	4.3040	-0.9314u
Sr 216.596	1007.86	978.035	956.787
Ti 334.941	2136.96	2085.36	2031.47

Label	Replicates Concentration		
Tl 190.794	0.4345	-0.0153	-2.8884u
V 292.401	26.3372	25.2025	24.6847
Zn 206.200	1085.65	1048.37	1025.18

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.6972b	ppb	0.1203	2.1	442.238
Al 308.215	31045.4b	ppb	838.635	2.7	205859
As 188.980	6.4752b	ppb	3.8435	59.4	1.2460
B 249.678	399.019b	ppb	8.2294	2.1	6039.37
Ba 389.178	2814.20b	ppb	71.5370	2.5	57066.5
Be 313.042	0.4957b	ppb	0.0176	3.6	542.413
Ca 370.602	199605b	ppb	4905	2.5	462236
Cd 226.502	22.2747b	ppb	0.6109	2.7	897.849
Co 228.615	8.5112b	ppb	0.1070	1.3	132.778
Cr 267.716	220.873b	ppb	5.0342	2.3	11045.0
Cu 324.754	226.315b	ppb	4.7725	2.1	16128.9
Fe 271.441	14274.4b	ppb	351.221	2.5	20110.8
K 766.491	75907.9xb	ppb	1819.53	2.4	3247527
Mg 279.078	27095.5b	ppb	682.251	2.5	65659.6
Mn 257.610	9666.95b	ppb	227.403	2.4	1999327
Mo 202.032	13.4092b	ppb	0.5368	4.0	88.6227
Na 330.237	30146.2b	ppb	941.340	3.1	1429.66
Ni 231.604	27.3785b	ppb	1.1411	4.2	72.1393
Pb 220.353	47.0307b	ppb	2.3737	5.0	67.2127
Sb 206.834	1.6625b	ppb	1.7373	104.5	5.8478
Se 196.026	1.8889b	ppb	6.7816	359.0	5.4253
Sn 189.925	2.7269b	ppb	3.1781	116.5	-3.5716
Sr 216.596	980.895b	ppb	25.6573	2.6	10802.0
Ti 334.941	2084.60b	ppb	52.7505	2.5	578421
Tl 190.794	-0.8231b	ppb	1.8027	219.0	-4.0676
V 292.401	25.4081b	ppb	0.8452	3.3	675.768
Zn 206.200	1053.07b	ppb	30.5061	2.9	950.139

680-106162-a-4-b (Samp) **10/15/2014, 12:55:23 PM** **Rack 1, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.8690	2.8705	2.7302
Al 308.215	29655.8	28963.7	28279.1
As 188.980	11.1197	10.2029	7.0766
B 249.678	499.878	491.973	484.536
Ba 389.178	391.850	384.728	376.367
Be 313.042	0.3068	0.3000	0.2973
Ca 370.602	156422	152934	149024
Cd 226.502	18.0577	17.7847	17.5453
Co 228.615	13.9768	14.8765	14.4521
Cr 267.716	201.091	196.581	192.306
Cu 324.754	437.324	429.680	418.639
Fe 271.441	7619.42	7462.35	7309.83
K 766.491	152497x	149812x	151321x
Mg 279.078	51473.8	50291.5	49164.3
Mn 257.610	19034.0	18658.4	18258.0
Mo 202.032	42.9491	42.9024	41.9824
Na 330.237	64710.1	62962.2	61770.6

Label	Replicates Concentration		
Ni 231.604	33.2751	33.1518	34.0708
Pb 220.353	63.4871	59.2215	60.4819
Sb 206.834	0.9382	1.9951	-0.1323
Se 196.026	3.4786	13.7172	1.0762
Sn 189.925	5.9958	5.4296	7.0788
Sr 216.596	808.231	788.282	777.081
Ti 334.941	508.254	497.532	486.689
Tl 190.794	0.1424	5.9089	0.3226
V 292.401	14.6411	13.9891	14.0540
Zn 206.200	2651.95	2596.90	2540.74

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.8233b	ppb	0.0806	2.9	268.782
Al 308.215	28966.2b	ppb	688.306	2.4	192089
As 188.980	9.4664b	ppb	2.1198	22.4	2.8623
B 249.678	492.129b	ppb	7.6723	1.6	7461.72
Ba 389.178	384.315b	ppb	7.7499	2.0	7811.20
Be 313.042	0.3014b	ppb	0.0049	1.6	199.034
Ca 370.602	152793b	ppb	3701	2.4	353707
Cd 226.502	17.7959b	ppb	0.2564	1.4	706.084
Co 228.615	14.4351b	ppb	0.4501	3.1	162.956
Cr 267.716	196.660b	ppb	4.3933	2.2	9878.06
Cu 324.754	428.548b	ppb	9.3936	2.2	30311.2
Fe 271.441	7463.87b	ppb	154.805	2.1	10520.0
K 766.491	151210xb	ppb	1346.03	0.9	6468798
Mg 279.078	50309.9b	ppb	1154.86	2.3	121894
Mn 257.610	18650.2b	ppb	388.092	2.1	3857128
Mo 202.032	42.6113b	ppb	0.5452	1.3	269.637
Na 330.237	63147.6b	ppb	1478.54	2.3	2973.77
Ni 231.604	33.4992b	ppb	0.4988	1.5	88.5699
Pb 220.353	61.0635b	ppb	2.1915	3.6	89.9949
Sb 206.834	0.9337b	ppb	1.0637	113.9	3.9611
Se 196.026	6.0907b	ppb	6.7131	110.2	8.7162
Sn 189.925	6.1680b	ppb	0.8380	13.6	-1.2999
Sr 216.596	791.198b	ppb	15.7783	2.0	8706.06
Ti 334.941	497.492b	ppb	10.7825	2.2	138065
Tl 190.794	2.1246b	ppb	3.2785	154.3	3.6116
V 292.401	14.2281b	ppb	0.3592	2.5	356.444
Zn 206.200	2596.53b	ppb	55.6038	2.1	2342.93

640-49347-q-1-a (Samp) **10/15/2014, 12:59:39 PM** **Rack 1, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1817	-0.2011u	-0.1926u
Al 308.215	10.8113	10.2118	9.9144
As 188.980	-0.5428u	-4.6021u	2.7862
B 249.678	40.1749	39.1942	37.8969
Ba 389.178	6.0057	5.6546	5.3387
Be 313.042	0.0141	0.0194	0.0201
Ca 370.602	1201	1196	1197
Cd 226.502	-0.1054u	-0.0155u	-0.0681u
Co 228.615	0.3182	0.0138	-0.2262u
Cr 267.716	0.0286	0.0643	-0.1841u

Label	Replicates Concentration		
Cu 324.754	-0.2448u	-0.0440u	-0.0527u
Fe 271.441	73.0067	65.2474	70.2426
K 766.491	895.174	890.835	888.236
Mg 279.078	3080.89	3036.44	3017.02
Mn 257.610	3.5984	3.5958	3.6689
Mo 202.032	0.0024	-0.1811u	-0.0457u
Na 330.237	23457.4	23071.4	23013.9
Ni 231.604	1.3450	0.2791	-0.1771u
Pb 220.353	-0.0639u	1.3400	1.4763
Sb 206.834	0.0679	1.0461	0.8234
Se 196.026	5.5782	5.9368	10.9703
Sn 189.925	3.5033	1.8228	0.7539
Sr 216.596	19.8274	19.3680	19.2273
Ti 334.941	0.1818	0.1956	0.1951
Tl 190.794	-2.4501u	0.1626	1.4909
V 292.401	-0.0304u	-0.0876u	-0.1439u
Zn 206.200	-0.1622u	-0.8851u	-0.1582u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0707	ppb	0.2186	309.3	-16.5641
Al 308.215	10.3125	ppb	0.4568	4.4	462.710
As 188.980	-0.7862	ppb	3.7002	470.6	-2.8340
B 249.678	39.0887	ppb	1.1427	2.9	626.404
Ba 389.178	5.6663	ppb	0.3337	5.9	68.0332
Be 313.042	0.0178	ppb	0.0033	18.4	-290.090
Ca 370.602	1198	ppb	2.680	0.2	2781
Cd 226.502	-0.0630	ppb	0.0452	71.7	10.9950
Co 228.615	0.0353	ppb	0.2728	773.6	3.5272
Cr 267.716	-0.0304	ppb	0.1343	441.9	30.0973
Cu 324.754	-0.1139	ppb	0.1135	99.7	241.934
Fe 271.441	69.4989	ppb	3.9327	5.7	104.706
K 766.491	891.415	ppb	3.5051	0.4	38458.2
Mg 279.078	3044.78	ppb	32.7464	1.1	7416.18
Mn 257.610	3.6210	ppb	0.0414	1.1	811.819
Mo 202.032	-0.0748	ppb	0.0951	127.2	5.8099
Na 330.237	23180.9	ppb	241.196	1.0	1130.23
Ni 231.604	0.4823	ppb	0.7811	161.9	-3.4356
Pb 220.353	0.9175	ppb	0.8526	92.9	1.7404
Sb 206.834	0.6458	ppb	0.5127	79.4	1.9787
Se 196.026	7.4951	ppb	3.0149	40.2	5.6270
Sn 189.925	2.0267	ppb	1.3860	68.4	-4.0338
Sr 216.596	19.4742	ppb	0.3139	1.6	215.634
Ti 334.941	0.1909	ppb	0.0078	4.1	-5.5863
Tl 190.794	-0.2655	ppb	2.0051	755.1	-6.2275
V 292.401	-0.0873	ppb	0.0568	65.0	-9.4612
Zn 206.200	-0.4018	ppb	0.4185	104.2	0.8416

640-49347-q-2-a (Samp) **10/15/2014, 1:03:56 PM** **Rack 1, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	0.0019	0.1295	0.0899
Al 308.215	7.9545	7.9134	10.4052
As 188.980	2.8600	5.7946	2.5131

Label	Replicates Concentration		
B 249.678	7.2660	7.1511	7.2293
Ba 389.178	1.7213	1.1286	1.4296
Be 313.042	0.0247	0.0134	0.0196
Ca 370.602	375.9	374.8	380.9
Cd 226.502	-0.1718u	-0.2361u	-0.0320u
Co 228.615	0.0113	-0.2564u	-0.2849u
Cr 267.716	0.1830	0.0740	0.0272
Cu 324.754	-0.3050u	-0.1848u	0.0133
Fe 271.441	44.8157	46.1017	51.3297
K 766.491	45.2266	44.8379	45.9145
Mg 279.078	156.414	155.243	155.938
Mn 257.610	5.0719	5.0450	5.1332
Mo 202.032	-0.2746u	-0.5527u	0.1655
Na 330.237	1766.69	1810.96	1692.26
Ni 231.604	0.2237	0.4978	0.1503
Pb 220.353	-0.0771u	1.8096	-0.1271u
Sb 206.834	1.4743	4.6708	0.0856
Se 196.026	7.9710	1.7352	0.3147
Sn 189.925	1.1506	2.3589	1.2948
Sr 216.596	1.9348	2.2098	1.7828
Ti 334.941	0.0985	0.0905	0.1112
Tl 190.794	0.0667	-1.8623u	-3.3334u
V 292.401	-0.2461u	0.0105	0.0141
Zn 206.200	-0.3304u	0.3051	1.6879

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0738	ppb	0.0653	88.5	-4.8042
Al 308.215	8.7577	ppb	1.4269	16.3	452.380
As 188.980	3.7226	ppb	1.8028	48.4	-0.4150
B 249.678	7.2155	ppb	0.0587	0.8	144.507
Ba 389.178	1.4265	ppb	0.2964	20.8	-21.6317
Be 313.042	0.0192	ppb	0.0056	29.2	-285.790
Ca 370.602	377.2	ppb	3.284	0.9	882.8
Cd 226.502	-0.1467	ppb	0.1044	71.2	7.8832
Co 228.615	-0.1767	ppb	0.1634	92.5	1.3187
Cr 267.716	0.0947	ppb	0.0799	84.4	35.9121
Cu 324.754	-0.1589	ppb	0.1608	101.2	238.768
Fe 271.441	47.4157	ppb	3.4501	7.3	73.5794
K 766.491	45.3263	ppb	0.5452	1.2	2264.06
Mg 279.078	155.865	ppb	0.5889	0.4	397.510
Mn 257.610	5.0833	ppb	0.0452	0.9	1093.16
Mo 202.032	-0.2206	ppb	0.3621	164.2	4.9085
Na 330.237	1756.64	ppb	59.9814	3.4	106.001
Ni 231.604	0.2906	ppb	0.1831	63.0	-3.9675
Pb 220.353	0.5352	ppb	1.1040	206.3	1.1970
Sb 206.834	2.0769	ppb	2.3512	113.2	3.8670
Se 196.026	3.3403	ppb	4.0727	121.9	4.0275
Sn 189.925	1.6014	ppb	0.6600	41.2	-4.3194
Sr 216.596	1.9758	ppb	0.2164	11.0	24.1512
Ti 334.941	0.1001	ppb	0.0104	10.4	-33.9792
Tl 190.794	-1.7097	ppb	1.7052	99.7	-7.6369
V 292.401	-0.0738	ppb	0.1492	202.1	-8.9837
Zn 206.200	0.5542	ppb	1.0320	186.2	1.7044

CRI (Samp) **10/15/2014, 1:08:13 PM** **Rack 1, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.4791	10.9459	10.8368
Al 308.215	213.810	214.976	214.537
As 188.980	23.2657	28.1384	26.5749
B 249.678	105.020	105.687	106.202
Ba 389.178	10.4261	9.9742	9.6203
Be 313.042	4.2139	4.2037	4.2211
Ca 370.602	516.8	520.7	527.7
Cd 226.502	5.2913	5.1756	5.2709
Co 228.615	10.2526	9.9564	10.2913
Cr 267.716	10.3991	10.3640	10.5172
Cu 324.754	21.6239	21.5579	21.7049
Fe 271.441	48.9817	50.0159	50.8811
K 766.491	1094.52	1094.54	1094.75
Mg 279.078	520.360	521.118	519.638
Mn 257.610	11.2595	11.2693	11.2517
Mo 202.032	10.0784	10.6419	10.6332
Na 330.237	949.203	1074.49	932.469
Ni 231.604	42.6915	43.0102	42.6947
Pb 220.353	11.1779	8.4834	8.1749
Sb 206.834	20.6563	23.9583	20.6913
Se 196.026	20.9259	26.1233	28.4445
Sn 189.925	55.8526	51.4130	53.7682
Sr 216.596	10.3936	10.0522	10.5406
Ti 334.941	10.5077	10.5347	10.4758
Tl 190.794	25.4830	29.2187	23.1753
V 292.401	10.3662	10.5803	10.5062
Zn 206.200	22.2963	21.8339	23.4174

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.7539	ppb	0.2442	2.3	821.005
Al 308.215	214.441	ppb	0.5892	0.3	1815.03
As 188.980	25.9930	ppb	2.4879	9.6	11.5320
B 249.678	105.636	ppb	0.5928	0.6	1632.96
Ba 389.178	10.0069	ppb	0.4039	4.0	152.922
Be 313.042	4.2129	ppb	0.0087	0.2	6540.64
Ca 370.602	521.7	ppb	5.533	1.1	1221
Cd 226.502	5.2460	ppb	0.0618	1.2	209.725
Co 228.615	10.1668	ppb	0.1832	1.8	108.988
Cr 267.716	10.4268	ppb	0.0803	0.8	548.490
Cu 324.754	21.6289	ppb	0.0736	0.3	1767.15
Fe 271.441	49.9596	ppb	0.9510	1.9	78.3940
K 766.491	1094.61	ppb	0.1271	0.0	47150.3
Mg 279.078	520.372	ppb	0.7401	0.1	1282.90
Mn 257.610	11.2602	ppb	0.0088	0.1	2373.17
Mo 202.032	10.4511	ppb	0.3228	3.1	70.9382
Na 330.237	985.388	ppb	77.6184	7.9	68.5784
Ni 231.604	42.7988	ppb	0.1831	0.4	113.765
Pb 220.353	9.2787	ppb	1.6520	17.8	13.6498
Sb 206.834	21.7686	ppb	1.8964	8.7	29.7732
Se 196.026	25.1646	ppb	3.8499	15.3	12.4313
Sn 189.925	53.6779	ppb	2.2212	4.1	29.9199
Sr 216.596	10.3288	ppb	0.2506	2.4	114.312

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	10.5061	ppb	0.0295	0.3	2854.19
Tl 190.794	25.9590	ppb	3.0497	11.7	19.4245
V 292.401	10.4842	ppb	0.1087	1.0	262.705
Zn 206.200	22.5159	ppb	0.8143	3.6	21.4908

Cont Calib Verif (CCV) **10/15/2014, 1:12:29 PM** **Rack 1, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	486.642	489.127	488.057
Al 308.215	4810.25	4816.21	4764.44
As 188.980	460.903	456.911	461.171
B 249.678	483.364	485.209	486.899
Ba 389.178	4837.05	4838.46	4829.80
Be 313.042	486.048	486.759	486.134
Ca 370.602	4855	4871	4865
Cd 226.502	488.119	487.948	486.363
Co 228.615	495.097	494.762	494.057
Cr 267.716	4853.75	4862.54	4850.52
Cu 324.754	4987.40	5055.08	5003.79
Fe 271.441	4862.24	4875.08	4859.57
K 766.491	10115.9	10126.0	10136.5
Mg 279.078	4856.17	4858.67	4848.04
Mn 257.610	4987.67	4999.87	4965.83
Mo 202.032	488.529	488.994	489.842
Na 330.237	7265.69	7410.25	7527.91
Ni 231.604	2476.85	2472.81	2469.55
Pb 220.353	490.929	495.906	496.008
Sb 206.834	918.866	919.349	916.369
Se 196.026	4833.08	4839.05	4805.47
Sn 189.925	4912.81	4909.79	4875.66
Sr 216.596	2417.06	2413.91	2407.77
Ti 334.941	484.023	484.763	483.644
Tl 190.794	4970.94	4975.67	4936.88
V 292.401	4845.95	4850.91	4842.23
Zn 206.200	2425.48	2424.43	2415.73

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.942	ppb	1.2463	0.3	37685.8	97.58842
Al 308.215	4796.96	ppb	28.3276	0.6	32643.7	95.93927
As 188.980	459.662	ppb	2.3860	0.5	244.091	91.93237
B 249.678	485.158	ppb	1.7678	0.4	7373.66	97.03152
Ba 389.178	4835.10	ppb	4.6424	0.1	98031.9	96.70205
Be 313.042	486.314	ppb	0.3882	0.1	791561	97.26275
Ca 370.602	4864	ppb	7.648	0.2	11515	97.27097
Cd 226.502	487.476	ppb	0.9683	0.2	18274.1	97.49529
Co 228.615	494.639	ppb	0.5308	0.1	5159.98	98.92773
Cr 267.716	4855.60	ppb	6.2176	0.1	240949	97.11205
Cu 324.754	5015.42	ppb	35.3093	0.7	351967	100.30849
Fe 271.441	4865.63	ppb	8.2905	0.2	6956.17	97.31261
K 766.491	10126.1	ppb	10.2731	0.1	433503	101.26148
Mg 279.078	4854.30	ppb	5.5558	0.1	11719.3	97.08591
Mn 257.610	4984.46	ppb	17.2421	0.3	1030835	99.68911
Mo 202.032	489.121	ppb	0.6658	0.1	3028.12	97.82428

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	7401.28	ppb	131.343	1.8	314.201	98.68376
Ni 231.604	2473.07	ppb	3.6538	0.1	6845.33	98.92279
Pb 220.353	494.281	ppb	2.9032	0.6	708.426	98.85616
Sb 206.834	918.195	ppb	1.5992	0.2	1256.18	91.81947
Se 196.026	4825.87	ppb	17.9117	0.4	1861.76	96.51736
Sn 189.925	4899.42	ppb	20.6312	0.4	3215.92	97.98839
Sr 216.596	2412.92	ppb	4.7226	0.2	26306.3	96.51662
Ti 334.941	484.143	ppb	0.5690	0.1	134287	96.82864
Tl 190.794	4961.16	ppb	21.1593	0.4	4852.44	99.22328
V 292.401	4846.37	ppb	4.3546	0.1	125325	96.92735
Zn 206.200	2421.88	ppb	5.3516	0.2	2173.50	96.87527

Cont Calib Blank (CCB) **10/15/2014, 1:16:44 PM** **Rack 1, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.0859	-0.0777u	-0.0583u
Al 308.215	7.5449	7.8629	7.1181
As 188.980	5.4885	3.7147	5.7000
B 249.678	9.9722	8.6085	7.9342
Ba 389.178	0.3287	-0.4987u	0.8297
Be 313.042	0.0450	0.0454	0.0401
Ca 370.602	-3.153u	2.315	4.066
Cd 226.502	-0.0877u	-0.0130u	-0.1140u
Co 228.615	0.1573	0.1396	0.0023
Cr 267.716	0.3907	0.4597	0.4416
Cu 324.754	0.1121	0.2758	0.3542
Fe 271.441	-0.1081u	-0.4287u	1.7863
K 766.491	0.0395	-0.0766u	0.3650
Mg 279.078	-2.1682u	-0.1035u	-1.5212u
Mn 257.610	0.3740	0.4688	0.4678
Mo 202.032	0.9744	1.0264	0.8215
Na 330.237	-118.641u	74.6403	41.8115
Ni 231.604	-0.4322u	-0.2573u	-0.3532u
Pb 220.353	1.9761	-0.3967u	1.7965
Sb 206.834	1.3867	6.0595	5.7653
Se 196.026	-3.0745u	1.3012	1.4886
Sn 189.925	-0.7516u	4.1142	3.1119
Sr 216.596	0.4963	0.3374	0.2255
Ti 334.941	0.1088	0.1090	0.1410
Tl 190.794	0.8169	0.9901	1.0367
V 292.401	0.4230	0.4082	0.7968
Zn 206.200	-0.2655u	-0.3436u	-0.4644u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0167	ppb	0.0894	536.0	-11.7531	-0.01668
Al 308.215	7.5086	ppb	0.3737	5.0	444.146	7.50863
As 188.980	4.9677	ppb	1.0903	21.9	0.2530	4.96773
B 249.678	8.8383	ppb	1.0383	11.7	169.179	8.83831
Ba 389.178	0.2199	ppb	0.6708	305.0	-46.3214	0.21991
Be 313.042	0.0435	ppb	0.0030	6.8	-246.363	0.04348
Ca 370.602	1.076	ppb	3.766	350.0	13.70	1.07599
Cd 226.502	-0.0716	ppb	0.0524	73.2	10.5123	-0.07161
Co 228.615	0.0997	ppb	0.0849	85.1	4.1685	0.09973

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	0.4307	ppb	0.0358	8.3	52.4963	0.43066
Cu 324.754	0.2474	ppb	0.1235	49.9	267.271	0.24738
Fe 271.441	0.4165	ppb	1.1971	287.4	7.4339	0.41650
K 766.491	0.1093	ppb	0.2289	209.4	329.759	0.10932
Mg 279.078	-1.2643	ppb	1.0561	83.5	15.8494	-1.26432
Mn 257.610	0.4369	ppb	0.0544	12.5	131.018	0.43686
Mo 202.032	0.9408	ppb	0.1065	11.3	12.0970	0.94076
Na 330.237	-0.7296	ppb	103.425	14175.1	22.0214	-0.72962
Ni 231.604	-0.3476	ppb	0.0876	25.2	-5.7402	-0.34757
Pb 220.353	1.1253	ppb	1.3211	117.4	2.0397	1.12534
Sb 206.834	4.4039	ppb	2.6171	59.4	6.9178	4.40387
Se 196.026	-0.0949	ppb	2.5821	2721.3	2.7036	-0.09488
Sn 189.925	2.1582	ppb	2.5693	119.0	-3.9539	2.15820
Sr 216.596	0.3531	ppb	0.1361	38.5	6.2378	0.35309
Ti 334.941	0.1196	ppb	0.0185	15.5	-28.6839	0.11961
Tl 190.794	0.9479	ppb	0.1158	12.2	-5.0363	0.94791
V 292.401	0.5427	ppb	0.2202	40.6	6.8050	0.54268
Zn 206.200	-0.3578	ppb	0.1002	28.0	0.8828	-0.35782

680-106108-a-38-a (Samp) **10/15/2014, 1:20:59 PM** **Rack 1, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-0.5635u	-0.3313u	-0.5582u
Al 308.215	9906.77	9813.61	9743.15
As 188.980	8.8219	-3.1674u	5.8152
B 249.678	4.8576	4.8184	4.5298
Ba 389.178	137.635	137.398	136.082
Be 313.042	0.2302	0.2241	0.2250
Ca 370.602	2540	2513	2493
Cd 226.502	-0.2483	-0.2971	-0.3725
Co 228.615	8.3867	9.3711	8.1184
Cr 267.716	29.5982	29.0121	29.1044
Cu 324.754	31.9852	31.6310	31.4313
Fe 271.441	17550.5	17356.4	17237.6
K 766.491	7950.84	7874.09	7849.66
Mg 279.078	7407.84	7340.30	7284.89
Mn 257.610	324.441	320.902	318.936
Mo 202.032	0.0016u	0.8193	0.7831
Na 330.237	-49.5601u	109.762u	-27.5951u
Ni 231.604	14.4996	15.0938	15.3355
Pb 220.353	2.7391	4.1486	5.2612
Sb 206.834	3.3100	0.7785	0.8414
Se 196.026	-2.3235u	2.1274	3.8998
Sn 189.925	0.0103	2.8477	3.2938
Sr 216.596	5.9664	6.2884	5.7229
Ti 334.941	1357.92	1344.40	1336.56
Tl 190.794	2.4760	1.3813u	0.7079u
V 292.401	43.8856	43.0751	42.9335
Zn 206.200	39.0015	35.5350	37.9799

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4844	ppb	0.1326	27.4	-49.2892
Al 308.215	9821.18	ppb	82.0739	0.8	65417.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	3.8232	ppb	6.2380	163.2	-0.3695
B 249.678	4.7353	ppb	0.1790	3.8	70.7329
Ba 389.178	137.038	ppb	0.8369	0.6	2746.59
Be 313.042	0.2264	ppb	0.0033	1.5	54.0242
Ca 370.602	2515	ppb	23.99	1.0	6143
Cd 226.502	-0.3060	ppb	0.0626	20.5	63.8066
Co 228.615	8.6254	ppb	0.6596	7.6	119.902
Cr 267.716	29.2383	ppb	0.3152	1.1	1493.34
Cu 324.754	31.6825	ppb	0.2805	0.9	2478.57
Fe 271.441	17381.5	ppb	157.959	0.9	24486.0
K 766.491	7891.53	ppb	52.7945	0.7	337910
Mg 279.078	7344.34	ppb	61.5717	0.8	17852.8
Mn 257.610	321.426	ppb	2.7896	0.9	66612.0
Mo 202.032	0.5347	ppb	0.4620	86.4	8.8008
Na 330.237	10.8690	ppb	86.3453	794.4	14.8642
Ni 231.604	14.9763	ppb	0.4302	2.9	38.0135
Pb 220.353	4.0496	ppb	1.2640	31.2	4.4969
Sb 206.834	1.6433	ppb	1.4437	87.9	4.1094
Se 196.026	1.2346	ppb	3.2063	259.7	3.4084
Sn 189.925	2.0506	ppb	1.7810	86.8	-4.0246
Sr 216.596	5.9926	ppb	0.2837	4.7	86.9934
Ti 334.941	1346.29	ppb	10.8039	0.8	373524
Tl 190.794	1.5217	ppb	0.8924	58.6	-6.3200
V 292.401	43.2981	ppb	0.5137	1.2	1139.93
Zn 206.200	37.5054	ppb	1.7813	4.7	34.3053

680-106108-a-38-aSD (Samp) **10/15/2014, 1:25:14 PM** **Rack 1, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-0.1848u	0.0306	-0.0806u
Al 308.215	2162.59	2090.91	1964.89
As 188.980	5.6158	1.9013	3.7692
B 249.678	2.2283	2.3672	2.2001
Ba 389.178	30.4983	28.9300	27.0660
Be 313.042	0.0746	0.0619	0.0636
Ca 370.602	566.9	547.5	514.5
Cd 226.502	-0.1524	-0.0913	0.0139
Co 228.615	2.0734	1.6210	1.6008
Cr 267.716	6.5096	6.2329	5.8438
Cu 324.754	7.0611	6.7718	6.5499
Fe 271.441	3888.70	3756.68	3537.90
K 766.491	1790.83	1749.42	1649.12
Mg 279.078	1639.12	1578.66	1485.37
Mn 257.610	71.3291	68.8782	64.7914
Mo 202.032	0.1851	0.0706	-0.3134u
Na 330.237	128.677	163.061	5.8285u
Ni 231.604	3.8865	3.6591	2.6368
Pb 220.353	3.0075	1.8726	2.7477
Sb 206.834	-2.2405u	2.5117	2.9852
Se 196.026	6.8414	1.1959	7.9823
Sn 189.925	3.0516	1.4744	0.3812
Sr 216.596	1.4969	1.0950	0.7294
Ti 334.941	298.063	289.088	274.562

Label	Replicates Concentration		
Tl 190.794	2.5839	2.2694	0.1637u
V 292.401	9.6209	9.1119	9.0311
Zn 206.200	9.6984	7.0028	6.5187

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0783	ppb	0.1077	137.6	-16.8094
Al 308.215	2072.80	ppb	100.087	4.8	14117.8
As 188.980	3.7621	ppb	1.8573	49.4	-0.3958
B 249.678	2.2652	ppb	0.0894	3.9	61.9420
Ba 389.178	28.8315	ppb	1.7183	6.0	537.821
Be 313.042	0.0667	ppb	0.0069	10.4	-207.914
Ca 370.602	543.0	ppb	26.50	4.9	1334
Cd 226.502	-0.0766	ppb	0.0841	109.8	23.6472
Co 228.615	1.7651	ppb	0.2672	15.1	27.2795
Cr 267.716	6.1954	ppb	0.3345	5.4	340.990
Cu 324.754	6.7943	ppb	0.2563	3.8	727.828
Fe 271.441	3727.76	ppb	177.178	4.8	5256.79
K 766.491	1729.79	ppb	72.8689	4.2	74322.3
Mg 279.078	1567.72	ppb	77.4562	4.9	3825.75
Mn 257.610	68.3329	ppb	3.3028	4.8	14193.4
Mo 202.032	-0.0192	ppb	0.2611	1356.5	5.9885
Na 330.237	99.1889	ppb	82.6601	83.3	25.1560
Ni 231.604	3.3942	ppb	0.6656	19.6	4.9055
Pb 220.353	2.5426	ppb	0.5946	23.4	3.6950
Sb 206.834	1.0855	ppb	2.8901	266.2	2.7318
Se 196.026	5.3399	ppb	3.6338	68.1	4.8373
Sn 189.925	1.6357	ppb	1.3425	82.1	-4.2974
Sr 216.596	1.1071	ppb	0.3839	34.7	18.5819
Ti 334.941	287.237	ppb	11.8593	4.1	79644.3
Tl 190.794	1.6723	ppb	1.3159	78.7	-4.7233
V 292.401	9.2546	ppb	0.3198	3.5	238.091
Zn 206.200	7.7400	ppb	1.7133	22.1	8.0314

680-106108-a-38-aPDS (Samp) **10/15/2014, 1:29:30 PM** **Rack 1, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	99.8823	93.4789	87.7176
Al 308.215	11988.2	11189.5	10616.5
As 188.980	118.574	111.617	105.589
B 249.678	208.057	196.100	187.307
Ba 389.178	237.416	222.684	211.395
Be 313.042	106.144	99.1972	94.1115
Ca 370.602	12964	12172	11551
Cd 226.502	103.979	97.2623	92.3520
Co 228.615	113.646	107.807	101.832
Cr 267.716	135.842	127.664	121.447
Cu 324.754	145.913	137.017	128.134
Fe 271.441	29513.9	27590.3	26183.9
K 766.491	18712.2	17639.6	16807.5
Mg 279.078	18565.8	17382.2	16496.3
Mn 257.610	1451.25	1357.92	1289.93
Mo 202.032	105.087	97.8082	93.8015
Na 330.237	9209.72	8643.50	8225.24

Label	Replicates Concentration		
Ni 231.604	123.618	113.601	109.646
Pb 220.353	109.947	99.6326	98.0746
Sb 206.834	104.394	98.7217	93.7756
Se 196.026	107.838	106.449	91.9583
Sn 189.925	105.051	97.2188	96.7078
Sr 216.596	111.731	102.774	98.8047
Ti 334.941	1583.33	1479.82	1406.24
Tl 190.794	18.7752	17.0324	18.6075
V 292.401	153.329	143.164	136.240
Zn 206.200	142.841	130.994	127.853

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	93.6929	ppb	6.0852	6.5	7234.68
Al 308.215	11264.7	ppb	688.974	6.1	75002.1
As 188.980	111.927	ppb	6.4982	5.8	57.5607
B 249.678	197.155	ppb	10.4148	5.3	2959.80
Ba 389.178	223.832	ppb	13.0480	5.8	4525.55
Be 313.042	99.8176	ppb	6.0402	6.1	162179
Ca 370.602	12229	ppb	708.2	5.8	28570
Cd 226.502	97.8646	ppb	5.8370	6.0	3774.95
Co 228.615	107.762	ppb	5.9075	5.5	1153.68
Cr 267.716	128.318	ppb	7.2200	5.6	6417.58
Cu 324.754	137.021	ppb	8.8892	6.5	9873.34
Fe 271.441	27762.7	ppb	1671.71	6.0	39117.1
K 766.491	17719.8	ppb	954.886	5.4	758345
Mg 279.078	17481.4	ppb	1038.31	5.9	42461.3
Mn 257.610	1366.37	ppb	80.9896	5.9	282801
Mo 202.032	98.8989	ppb	5.7212	5.8	616.969
Na 330.237	8692.82	ppb	494.089	5.7	424.796
Ni 231.604	115.622	ppb	7.2022	6.2	317.394
Pb 220.353	102.551	ppb	6.4521	6.3	144.358
Sb 206.834	98.9637	ppb	5.3131	5.4	132.252
Se 196.026	102.082	ppb	8.7948	8.6	42.5150
Sn 189.925	99.6592	ppb	4.6764	4.7	60.1541
Sr 216.596	104.437	ppb	6.6216	6.3	1173.51
Ti 334.941	1489.80	ppb	88.9619	6.0	413362
Tl 190.794	18.1384	ppb	0.9614	5.3	9.2652
V 292.401	144.244	ppb	8.5956	6.0	3742.30
Zn 206.200	133.896	ppb	7.9042	5.9	120.614

680-106108-a-38-b ms (Samp) **10/15/2014, 1:33:45 PM** **Rack 1, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	5.7821	5.3509	5.2575
Al 308.215	13419.6	13130.4	12859.9
As 188.980	17.1935	17.0327	18.7677
B 249.678	25.9163	24.8893	25.0544
Ba 389.178	193.415	190.187	185.656
Be 313.042	5.9692	5.8366	5.7030
Ca 370.602	2946	2867	2798
Cd 226.502	5.0919	4.9456	4.9088
Co 228.615	15.7509	15.6483	15.2023
Cr 267.716	52.2008	51.0730	50.0201

Label	Replicates Concentration		
Cu 324.754	37.2874	35.8666	35.4815
Fe 271.441	23458.7	22981.3	22589.2
K 766.491	10928.5	10704.3	10487.1
Mg 279.078	10135.2	9928.90	9702.20
Mn 257.610	480.635	470.236	460.427
Mo 202.032	11.4005	11.4493	11.0395
Na 330.237	655.636	775.457	530.456
Ni 231.604	32.1086	31.2962	29.9191
Pb 220.353	59.7637	58.1223	59.0208
Sb 206.834	4.5733	6.3236	2.7591
Se 196.026	14.0558	13.7614	12.9098
Sn 189.925	23.0521	23.4164	22.1992
Sr 216.596	18.3613	17.6093	17.9004
Ti 334.941	1818.18	1779.92	1743.86
Tl 190.794	0.7382u	3.3089	6.1618
V 292.401	67.9887	66.2059	65.1667
Zn 206.200	58.6905	59.1409	56.1253

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.4635	ppb	0.2799	5.1	410.193
Al 308.215	13136.6	ppb	279.926	2.1	87369.1
As 188.980	17.6646	ppb	0.9586	5.4	7.0520
B 249.678	25.2867	ppb	0.5515	2.2	369.749
Ba 389.178	189.753	ppb	3.8978	2.1	3821.88
Be 313.042	5.8363	ppb	0.1331	2.3	9186.38
Ca 370.602	2870	ppb	73.91	2.6	7067
Cd 226.502	4.9821	ppb	0.0969	1.9	281.826
Co 228.615	15.5338	ppb	0.2917	1.9	200.316
Cr 267.716	51.0980	ppb	1.0906	2.1	2581.82
Cu 324.754	36.2118	ppb	0.9512	2.6	2798.65
Fe 271.441	23009.7	ppb	435.458	1.9	32413.0
K 766.491	10706.6	ppb	220.710	2.1	458335
Mg 279.078	9922.09	ppb	216.556	2.2	24111.6
Mn 257.610	470.433	ppb	10.1056	2.1	97460.2
Mo 202.032	11.2964	ppb	0.2238	2.0	75.1354
Na 330.237	653.850	ppb	122.511	18.7	42.9276
Ni 231.604	31.1079	ppb	1.1068	3.6	83.1146
Pb 220.353	58.9689	ppb	0.8219	1.4	82.2557
Sb 206.834	4.5520	ppb	1.7824	39.2	8.1804
Se 196.026	13.5757	ppb	0.5951	4.4	8.2311
Sn 189.925	22.8892	ppb	0.6248	2.7	9.6766
Sr 216.596	17.9570	ppb	0.3792	2.1	223.375
Ti 334.941	1780.65	ppb	37.1676	2.1	494056
Tl 190.794	3.4029	ppb	2.7130	79.7	-5.0664
V 292.401	66.4538	ppb	1.4272	2.1	1745.93
Zn 206.200	57.9856	ppb	1.6267	2.8	52.5108

680-106108-a-38-c ms (Samp) **10/15/2014, 1:38:01 PM** **Rack 1, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	5.0961	5.1669	5.2553
Al 308.215	14243.2	14115.4	13986.0
As 188.980	12.7415	19.5903	13.8181

Label	Replicates Concentration		
B 249.678	23.2396	23.5807	23.2712
Ba 389.178	203.916	202.096	199.958
Be 313.042	5.8728	5.8087	5.7637
Ca 370.602	2934	2906	2879
Cd 226.502	4.9919	4.9085	4.8374
Co 228.615	17.8192	17.1214	17.3683
Cr 267.716	52.3499	51.9725	51.4657
Cu 324.754	46.5768	46.1186	46.0671
Fe 271.441	25300.7	25104.0	24896.4
K 766.491	11552.1	11369.7	11228.0
Mg 279.078	10640.9	10558.5	10457.2
Mn 257.610	492.263	487.294	483.323
Mo 202.032	11.0880	11.1622	10.4286
Na 330.237	683.585	729.682	718.608
Ni 231.604	33.7164	33.6456	33.0961
Pb 220.353	60.5693	56.6999	57.7686
Sb 206.834	2.5032	1.1854	2.3579
Se 196.026	14.0490	13.7520	18.3658
Sn 189.925	20.9400	26.1317	20.9686
Sr 216.596	18.3305	17.7597	17.7791
Ti 334.941	1912.06	1889.33	1869.18
Tl 190.794	1.4607u	4.1825	4.8224
V 292.401	71.8935	70.5954	70.2561
Zn 206.200	61.7313	60.9962	63.6637

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.1728	ppb	0.0797	1.5	387.479
Al 308.215	14114.9	ppb	128.584	0.9	93846.5
As 188.980	15.3833	ppb	3.6829	23.9	5.8255
B 249.678	23.3639	ppb	0.1885	0.8	336.246
Ba 389.178	201.990	ppb	1.9810	1.0	4071.92
Be 313.042	5.8151	ppb	0.0549	0.9	9152.12
Ca 370.602	2906	ppb	27.42	0.9	7170
Cd 226.502	4.9126	ppb	0.0773	1.6	286.705
Co 228.615	17.4363	ppb	0.3538	2.0	222.437
Cr 267.716	51.9294	ppb	0.4437	0.9	2624.25
Cu 324.754	46.2542	ppb	0.2806	0.6	3503.77
Fe 271.441	25100.4	ppb	202.134	0.8	35357.4
K 766.491	11383.2	ppb	162.473	1.4	487279
Mg 279.078	10552.2	ppb	91.9997	0.9	25641.7
Mn 257.610	487.627	ppb	4.4795	0.9	101026
Mo 202.032	10.8929	ppb	0.4038	3.7	72.5447
Na 330.237	710.625	ppb	24.0631	3.4	44.8191
Ni 231.604	33.4860	ppb	0.3396	1.0	89.8573
Pb 220.353	58.3460	ppb	1.9983	3.4	81.1804
Sb 206.834	2.0155	ppb	0.7225	35.8	4.9144
Se 196.026	15.3890	ppb	2.5823	16.8	8.9485
Sn 189.925	22.6801	ppb	2.9892	13.2	9.5391
Sr 216.596	17.9564	ppb	0.3241	1.8	225.569
Ti 334.941	1890.19	ppb	21.4566	1.1	524452
Tl 190.794	3.4886	ppb	1.7851	51.2	-5.2123
V 292.401	70.9150	ppb	0.8642	1.2	1863.98
Zn 206.200	62.1304	ppb	1.3778	2.2	56.1678

680-106108-a-43-a (Samp) **10/15/2014, 1:42:17 PM** **Rack 1, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-4.0993u	-3.8489u	-4.1468u
Al 308.215	150648	150593	150912
As 188.980	27.4041	25.7583	24.5917
B 249.678	7.5564u	7.3078u	7.1748u
Ba 389.178	2131.66	2128.71	2136.92
Be 313.042	3.8038	3.7926	3.8123
Ca 370.602	21246	21227	21216
Cd 226.502	-4.8966	-5.2252	-4.8197
Co 228.615	125.681	125.778	125.292
Cr 267.716	578.787	578.289	578.381
Cu 324.754	309.213	306.808	306.182
Fe 271.441	258127	257597	258286
K 766.491	111785x	111658x	111816x
Mg 279.078	112139	112115	112147
Mn 257.610	5253.64	5264.44	5261.36
Mo 202.032	4.0819	3.8164	4.9211
Na 330.237	1730.10u	1455.06u	1742.17u
Ni 231.604	251.085	246.927	249.315
Pb 220.353	19.7050	19.8798	16.6160u
Sb 206.834	1.9568	-3.6710	6.3868
Se 196.026	-11.8077u	-4.7597	7.4519
Sn 189.925	19.7229	22.5246	22.1326
Sr 216.596	65.8392	65.9684	65.2447
Ti 334.941	19233.8	19243.9	19368.2
Tl 190.794	3.0931u	2.1595u	8.5131u
V 292.401	611.775	611.654	612.761
Zn 206.200	559.764	559.963	570.268

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.0317b	ppb	0.1600	4.0	-339.691
Al 308.215	150717b	ppb	170.446	0.1	998229
As 188.980	25.9180b	ppb	1.4130	5.5	11.4111
B 249.678	7.3463b	ppb	0.1937	2.6	-391.561
Ba 389.178	2132.43b	ppb	4.1601	0.2	43469.1
Be 313.042	3.8029b	ppb	0.0099	0.3	5904.23
Ca 370.602	21230b	ppb	15.20	0.1	53519
Cd 226.502	-4.9805b	ppb	0.2154	4.3	745.212
Co 228.615	125.584b	ppb	0.2570	0.2	1695.34
Cr 267.716	578.486b	ppb	0.2652	0.0	28905.8
Cu 324.754	307.401b	ppb	1.5997	0.5	21907.5
Fe 271.441	258003b	ppb	360.748	0.1	363364
K 766.491	111753xb	ppb	84.1654	0.1	4780919
Mg 279.078	112134b	ppb	16.4116	0.0	272301
Mn 257.610	5259.81b	ppb	5.5655	0.1	1089276
Mo 202.032	4.2732b	ppb	0.5766	13.5	21.1548
Na 330.237	1642.44b	ppb	162.390	9.9	-11.7550
Ni 231.604	249.109b	ppb	2.0868	0.8	704.597
Pb 220.353	18.7336b	ppb	1.8360	9.8	2.2725
Sb 206.834	1.5575b	ppb	5.0408	323.6	16.8616
Se 196.026	-3.0385b	ppb	9.7445	320.7	4.5185
Sn 189.925	21.4600b	ppb	1.5171	7.1	8.7364
Sr 216.596	65.6841b	ppb	0.3859	0.6	995.934

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	19281.9b	ppb	74.8521	0.4	5350543
Tl 190.794	4.5886b	ppb	3.4307	74.8	-28.6162
V 292.401	612.063b	ppb	0.6070	0.1	16207.2
Zn 206.200	563.332b	ppb	6.0076	1.1	498.146

680-106108-a-43-a (Samp) **10/15/2014, 1:46:33 PM** **Rack 1, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-0.5307u	-0.4185u	-0.4159u
Al 308.215	14881.9	14147.8	13602.1
As 188.980	6.6679	6.8416	4.1566
B 249.678	1.5976u	1.4153u	2.2622u
Ba 389.178	206.982	198.300	191.345
Be 313.042	0.4097	0.3813	0.3647
Ca 370.602	2291	2172	2088
Cd 226.502	-0.5094	-0.4903	-0.5993
Co 228.615	13.2996	12.7536	12.0853
Cr 267.716	64.4491	61.1764	59.0485
Cu 324.754	33.9702	32.5355	31.2204
Fe 271.441	27059.8	25696.9	24802.2
K 766.491	12180.4	11639.3	11225.9
Mg 279.078	11749.4	11177.2	10793.4
Mn 257.610	580.143	551.042	531.373
Mo 202.032	0.9989	-0.0417u	-0.0051u
Na 330.237	94.7575u	221.722u	174.939u
Ni 231.604	30.3070	28.0069	25.5294
Pb 220.353	3.0462	4.7188	1.9477
Sb 206.834	2.2889	5.5589	0.7091
Se 196.026	5.9540	3.6192	2.4041
Sn 189.925	1.8428	4.7047	4.4368
Sr 216.596	7.6478	6.9526	6.9907
Ti 334.941	2032.61	1932.99	1905.10
Tl 190.794	1.7510u	0.4448u	1.7355u
V 292.401	62.9384	59.6249	57.5193
Zn 206.200	59.9134	54.6048	54.3137

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4551	ppb	0.0655	14.4	-47.2891
Al 308.215	14210.6	ppb	642.210	4.5	94479.3
As 188.980	5.8887	ppb	1.5026	25.5	0.7315
B 249.678	1.7584	ppb	0.4457	25.3	8.1268
Ba 389.178	198.876	ppb	7.8344	3.9	4009.90
Be 313.042	0.3852	ppb	0.0228	5.9	313.057
Ca 370.602	2184	ppb	101.8	4.7	5512
Cd 226.502	-0.5330	ppb	0.0582	10.9	85.3583
Co 228.615	12.7128	ppb	0.6082	4.8	174.572
Cr 267.716	61.5580	ppb	2.7204	4.4	3102.89
Cu 324.754	32.5754	ppb	1.3753	4.2	2544.41
Fe 271.441	25853.0	ppb	1136.89	4.4	36416.7
K 766.491	11681.8	ppb	478.641	4.1	500053
Mg 279.078	11240.0	ppb	481.101	4.3	27311.5
Mn 257.610	554.186	ppb	24.5363	4.4	114797
Mo 202.032	0.3174	ppb	0.5905	186.1	7.0811

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	163.806	ppb	64.2103	39.2	18.5578
Ni 231.604	27.9478	ppb	2.3894	8.5	74.5778
Pb 220.353	3.2376	ppb	1.3954	43.1	2.5654
Sb 206.834	2.8523	ppb	2.4735	86.7	6.2960
Se 196.026	3.9924	ppb	1.8042	45.2	4.5781
Sn 189.925	3.6614	ppb	1.5807	43.2	-2.9655
Sr 216.596	7.1970	ppb	0.3908	5.4	108.732
Ti 334.941	1956.90	ppb	67.0311	3.4	542964
Tl 190.794	1.3104	ppb	0.7497	57.2	-7.3910
V 292.401	60.0275	ppb	2.7319	4.6	1584.12
Zn 206.200	56.2773	ppb	3.1523	5.6	50.8376

680-106108-a-44-a (Samp) **10/15/2014, 1:50:50 PM** **Rack 1, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-5.5785u	-4.8645u	-5.4867u
Al 308.215	149332	149535	149351
As 188.980	27.2469	29.7511	26.0289
B 249.678	9.1675u	8.3331u	8.1709u
Ba 389.178	1906.59	1907.72	1905.86
Be 313.042	4.3466	4.3617	4.3566
Ca 370.602	22367	22428	22440
Cd 226.502	-4.5522	-4.3430	-4.4188
Co 228.615	134.934	135.166	136.045
Cr 267.716	457.116	457.454	457.393
Cu 324.754	341.886	344.318	346.690
Fe 271.441	252801	253176	253113
K 766.491	106306x	106341x	106620x
Mg 279.078	106318	106412	106304
Mn 257.610	5080.26	5096.27	5087.11
Mo 202.032	3.5920	3.0586	3.2740
Na 330.237	1452.77u	1535.85u	1804.87u
Ni 231.604	227.829	230.039	226.799
Pb 220.353	19.9139	23.0650	24.1634
Sb 206.834	0.1892	-3.9773	3.1457
Se 196.026	8.1593	-6.7149	2.9998
Sn 189.925	16.4455	16.4914	18.4341
Sr 216.596	68.1773	67.7418	67.9482
Ti 334.941	18975.8	18942.2	19068.2
Tl 190.794	9.3588u	2.8768u	1.6001u
V 292.401	577.796	578.893	579.532
Zn 206.200	566.262	572.173	564.133

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.3099b	ppb	0.3884	7.3	-438.620
Al 308.215	149406b	ppb	112.278	0.1	989542
As 188.980	27.6756b	ppb	1.8977	6.9	12.3663
B 249.678	8.5572b	ppb	0.5348	6.2	-364.005
Ba 389.178	1906.72b	ppb	0.9404	0.0	38881.9
Be 313.042	4.3550b	ppb	0.0077	0.2	6802.61
Ca 370.602	22412b	ppb	39.26	0.2	56209
Cd 226.502	-4.4380b	ppb	0.1059	2.4	749.629
Co 228.615	135.382b	ppb	0.5862	0.4	1792.52

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	457.321b	ppb	0.1799	0.0	22890.5
Cu 324.754	344.298b	ppb	2.4024	0.7	24493.9
Fe 271.441	253030b	ppb	201.310	0.1	356361
K 766.491	106422xb	ppb	171.843	0.2	4552883
Mg 279.078	106345b	ppb	58.7816	0.1	258240
Mn 257.610	5087.88b	ppb	8.0323	0.2	1053666
Mo 202.032	3.3082b	ppb	0.2683	8.1	15.4043
Na 330.237	1597.83b	ppb	184.050	11.5	-12.5000
Ni 231.604	228.222b	ppb	1.6558	0.7	646.378
Pb 220.353	22.3807b	ppb	2.2058	9.9	7.7449
Sb 206.834	-0.2141b	ppb	3.5786	1671.3	13.1626
Se 196.026	1.4814b	ppb	7.5525	509.8	6.1957
Sn 189.925	17.1237b	ppb	1.1351	6.6	5.8852
Sr 216.596	67.9558b	ppb	0.2178	0.3	1017.10
Ti 334.941	18995.4b	ppb	65.2247	0.3	5271027
Tl 190.794	4.6119b	ppb	4.1602	90.2	-28.1491
V 292.401	578.740b	ppb	0.8780	0.2	15343.7
Zn 206.200	567.523b	ppb	4.1660	0.7	502.401

680-106108-a-44-a (Samp) **10/15/2014, 1:55:07 PM** **Rack 1, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	-0.5502u	-0.3983u	-0.7957u
Al 308.215	13900.7	13918.1	13891.0
As 188.980	8.2101	8.9873	6.2175
B 249.678	1.7781u	1.8028u	1.3654u
Ba 389.178	185.053	185.359	186.291
Be 313.042	0.4290	0.4299	0.4315
Ca 370.602	2324	2326	2326
Cd 226.502	-0.5989	-0.5974	-0.4760
Co 228.615	13.0751	13.7735	14.0317
Cr 267.716	47.9003	47.9617	47.7765
Cu 324.754	34.9719	35.1806	35.0606
Fe 271.441	25018.9	25095.8	25081.5
K 766.491	10839.8	10878.0	10844.9
Mg 279.078	10552.5	10561.4	10534.9
Mn 257.610	520.630	521.868	521.318
Mo 202.032	0.5002	0.2643	0.2073
Na 330.237	3.7075u	80.4045u	108.388u
Ni 231.604	24.5662	24.9735	25.4937
Pb 220.353	4.8329	5.0233	2.1772
Sb 206.834	3.8497	2.8591	0.1604
Se 196.026	0.8927	1.6964	3.8183
Sn 189.925	7.8921	1.2219	2.0653
Sr 216.596	7.1454	6.5130	6.8350
Ti 334.941	1927.29	1931.64	1930.36
Tl 190.794	0.9033u	0.4990u	-1.0472u
V 292.401	56.7752	56.8292	56.8518
Zn 206.200	52.5862	54.0691	57.9345

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5814	ppb	0.2005	34.5	-57.0877
Al 308.215	13903.3	ppb	13.6912	0.1	92444.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	7.8050	ppb	1.4287	18.3	1.7607
B 249.678	1.6487	ppb	0.2457	14.9	8.0355
Ba 389.178	185.567	ppb	0.6450	0.3	3738.73
Be 313.042	0.4301	ppb	0.0012	0.3	386.132
Ca 370.602	2325	ppb	1.066	0.0	5838
Cd 226.502	-0.5574	ppb	0.0705	12.7	81.7670
Co 228.615	13.6268	ppb	0.4949	3.6	183.595
Cr 267.716	47.8795	ppb	0.0943	0.2	2423.65
Cu 324.754	35.0710	ppb	0.1048	0.3	2719.19
Fe 271.441	25065.4	ppb	40.9313	0.2	35307.7
K 766.491	10854.3	ppb	20.7130	0.2	464650
Mg 279.078	10549.6	ppb	13.4910	0.1	25635.0
Mn 257.610	521.272	ppb	0.6207	0.1	107984
Mo 202.032	0.3239	ppb	0.1553	47.9	7.1566
Na 330.237	64.1666	ppb	54.1964	84.5	14.0719
Ni 231.604	25.0111	ppb	0.4649	1.9	66.3836
Pb 220.353	4.0111	ppb	1.5910	39.7	3.7115
Sb 206.834	2.2897	ppb	1.9094	83.4	5.3899
Se 196.026	2.1358	ppb	1.5115	70.8	3.8515
Sn 189.925	3.7264	ppb	3.6321	97.5	-2.9228
Sr 216.596	6.8311	ppb	0.3162	4.6	104.056
Ti 334.941	1929.76	ppb	2.2350	0.1	535433
Tl 190.794	0.1183	ppb	1.0295	869.9	-8.4829
V 292.401	56.8187	ppb	0.0394	0.1	1500.92
Zn 206.200	54.8633	ppb	2.7612	5.0	49.6252

680-106108-a-45-a (Samp) **10/15/2014, 1:59:24 PM** **Rack 1, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2180u	-0.3325u	-0.4392u
Al 308.215	11848.0	11752.7	11683.7
As 188.980	1.9441	5.0965	9.7170
B 249.678	1.6663u	1.8222u	1.7874u
Ba 389.178	159.005	156.771	156.894
Be 313.042	0.2380	0.2403	0.2357
Ca 370.602	1549	1540	1523
Cd 226.502	-0.5332	-0.6116	-0.3057
Co 228.615	8.2742	8.0336	7.8670
Cr 267.716	40.5175	40.1124	40.0093
Cu 324.754	32.8958	32.2105	32.4476
Fe 271.441	23704.1	23368.1	23412.4
K 766.491	8689.18	8625.40	8611.32
Mg 279.078	8216.87	8168.53	8128.82
Mn 257.610	345.695	342.999	341.847
Mo 202.032	1.3302	0.7446	0.5717
Na 330.237	31.8138u	251.521	-0.9525u
Ni 231.604	17.7527	20.0328	19.2552
Pb 220.353	125.709	123.140	125.774
Sb 206.834	-1.7113u	0.5485	3.8607
Se 196.026	-1.5534u	1.4298	10.8568
Sn 189.925	2.6338	4.4343	7.6984
Sr 216.596	7.4830	7.1076	7.3899
Ti 334.941	1558.74	1544.94	1536.49

Label	Replicates Concentration		
Tl 190.794	0.4138u	2.2681u	1.3410u
V 292.401	49.7536	49.1571	48.9843
Zn 206.200	47.4713	47.5185	47.1216

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3299	ppb	0.1106	33.5	-38.2221
Al 308.215	11761.5	ppb	82.4894	0.7	78267.9
As 188.980	5.5859	ppb	3.9095	70.0	0.5602
B 249.678	1.7587	ppb	0.0818	4.7	12.9221
Ba 389.178	157.557	ppb	1.2555	0.8	3166.84
Be 313.042	0.2380	ppb	0.0023	1.0	72.6940
Ca 370.602	1537	ppb	13.16	0.9	3895
Cd 226.502	-0.4835	ppb	0.1589	32.9	78.9729
Co 228.615	8.0583	ppb	0.2047	2.5	118.219
Cr 267.716	40.2131	ppb	0.2686	0.7	2041.07
Cu 324.754	32.5180	ppb	0.3480	1.1	2539.61
Fe 271.441	23494.9	ppb	182.546	0.8	33095.3
K 766.491	8641.97	ppb	41.4927	0.5	370013
Mg 279.078	8171.41	ppb	44.0958	0.5	19861.1
Mn 257.610	343.514	ppb	1.9746	0.6	71202.9
Mo 202.032	0.8822	ppb	0.3975	45.1	10.6851
Na 330.237	94.1273	ppb	137.288	145.9	16.7745
Ni 231.604	19.0136	ppb	1.1591	6.1	49.6644
Pb 220.353	124.875	ppb	1.5024	1.2	176.314
Sb 206.834	0.8993	ppb	2.8025	311.6	3.4243
Se 196.026	3.5777	ppb	6.4779	181.1	4.3611
Sn 189.925	4.9222	ppb	2.5673	52.2	-2.1366
Sr 216.596	7.3269	ppb	0.1955	2.7	107.703
Ti 334.941	1546.73	ppb	11.2311	0.7	429143
Tl 190.794	1.3410	ppb	0.9271	69.1	-7.2122
V 292.401	49.2983	ppb	0.4036	0.8	1300.09
Zn 206.200	47.3704	ppb	0.2168	0.5	42.9439

Cont Calib Verif (CCV) **10/15/2014, 2:03:40 PM** **Rack 1, Tube 49**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	495.281	496.176	494.722
Al 308.215	4854.02	4804.27	4845.53
As 188.980	462.522	462.986	471.416
B 249.678	483.217	484.356	486.826
Ba 389.178	4886.57	4871.72	4879.78
Be 313.042	492.655	488.715	494.109
Ca 370.602	4969	4952	4954
Cd 226.502	494.721	491.455	492.326
Co 228.615	502.708	499.427	500.755
Cr 267.716	4921.52	4905.94	4917.22
Cu 324.754	4946.74	5052.50	5009.75
Fe 271.441	4936.12	4929.03	4927.59
K 766.491	10109.0	10127.8	10101.0
Mg 279.078	4913.75	4888.05	4900.10
Mn 257.610	5034.27	5016.98	5030.65
Mo 202.032	493.166	491.361	494.679
Na 330.237	7514.02	7564.54	7697.95

Label	Replicates Concentration		
Ni 231.604	2505.74	2497.55	2498.17
Pb 220.353	502.633	498.085	497.390
Sb 206.834	933.757	931.261	935.859
Se 196.026	4862.76	4865.73	4866.41
Sn 189.925	4967.82	4947.57	4932.16
Sr 216.596	2456.87	2439.89	2447.44
Ti 334.941	488.396	487.588	487.996
Tl 190.794	5033.73	5025.35	5016.96
V 292.401	4898.65	4889.00	4893.48
Zn 206.200	2466.85	2460.44	2448.83

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.393	ppb	0.7331	0.1	38261.7	99.07857
Al 308.215	4834.61	ppb	26.6153	0.6	32897.1	96.69211
As 188.980	465.641	ppb	5.0063	1.1	247.298	93.12827
B 249.678	484.800	ppb	1.8447	0.4	7368.32	96.95992
Ba 389.178	4879.36	ppb	7.4359	0.2	98929.5	97.58713
Be 313.042	491.826	ppb	2.7910	0.6	800538	98.36529
Ca 370.602	4958	ppb	9.420	0.2	11735	99.16423
Cd 226.502	492.834	ppb	1.6912	0.3	18474.8	98.56673
Co 228.615	500.963	ppb	1.6504	0.3	5225.93	100.19264
Cr 267.716	4914.90	ppb	8.0457	0.2	243891	98.29793
Cu 324.754	5003.00	ppb	53.2019	1.1	351095	100.05995
Fe 271.441	4930.91	ppb	4.5635	0.1	7048.99	98.61826
K 766.491	10112.6	ppb	13.7773	0.1	432924	101.12612
Mg 279.078	4900.63	ppb	12.8560	0.3	11831.2	98.01263
Mn 257.610	5027.30	ppb	9.1203	0.2	1039695	100.54601
Mo 202.032	493.068	ppb	1.6610	0.3	3052.50	98.61366
Na 330.237	7592.17	ppb	95.0277	1.3	322.427	101.22897
Ni 231.604	2500.49	ppb	4.5618	0.2	6921.27	100.01952
Pb 220.353	499.370	ppb	2.8475	0.6	715.712	99.87393
Sb 206.834	933.626	ppb	2.3016	0.2	1276.95	93.36260
Se 196.026	4864.97	ppb	1.9426	0.0	1876.82	97.29935
Sn 189.925	4949.18	ppb	17.8873	0.4	3248.64	98.98367
Sr 216.596	2448.07	ppb	8.5091	0.3	26689.7	97.92268
Ti 334.941	487.993	ppb	0.4040	0.1	135356	97.59868
Tl 190.794	5025.35	ppb	8.3870	0.2	4915.26	100.50697
V 292.401	4893.71	ppb	4.8318	0.1	126550	97.87421
Zn 206.200	2458.71	ppb	9.1355	0.4	2206.60	98.34824

Cont Calib Blank (CCB) **10/15/2014, 2:07:55 PM** **Rack 1, Tube 50**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3805	0.0177	-0.0161u
Al 308.215	8.3955	8.7214	10.4017
As 188.980	4.7623	1.9795	8.1615
B 249.678	8.8488	7.5205	7.0238
Ba 389.178	-0.1383u	0.1564	0.0443
Be 313.042	0.0421	0.0455	0.0428
Ca 370.602	-0.0527u	4.893	2.202
Cd 226.502	-0.0157u	0.0143	0.0839
Co 228.615	-0.1550u	-0.0754u	0.0722
Cr 267.716	0.2890	0.3338	0.4046

Label	Replicates Concentration		
Cu 324.754	0.2135	0.4270	0.4924
Fe 271.441	-1.5238u	-2.6689u	0.2770
K 766.491	-0.4307u	0.3568	0.3861
Mg 279.078	-0.8751u	2.4909	2.1132
Mn 257.610	0.4000	0.4705	0.4779
Mo 202.032	1.5644	0.7284	0.3278
Na 330.237	-5.0053u	-6.6390u	92.7746
Ni 231.604	0.4256	-0.0219u	-0.3547u
Pb 220.353	-0.5353u	3.2529	2.2717
Sb 206.834	4.5361	5.5286	4.5275
Se 196.026	-1.4423u	1.7616	11.5441
Sn 189.925	0.0387	1.0976	-1.0163u
Sr 216.596	0.0664	0.0352	0.7042
Ti 334.941	0.2761	0.3052	0.2850
Tl 190.794	1.8063	2.4236	0.9283
V 292.401	0.5995	0.4629	0.5042
Zn 206.200	0.2166	1.7954	0.9023

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1274	ppb	0.2199	172.6	-0.6088	0.12739
Al 308.215	9.1729	ppb	1.0766	11.7	455.172	9.17288
As 188.980	4.9677	ppb	3.0961	62.3	0.2530	4.96774
B 249.678	7.7977	ppb	0.9436	12.1	153.437	7.79767
Ba 389.178	0.0208	ppb	0.1487	715.4	-50.3550	0.02079
Be 313.042	0.0435	ppb	0.0018	4.1	-246.379	0.04347
Ca 370.602	2.347	ppb	2.476	105.5	16.65	2.34733
Cd 226.502	0.0275	ppb	0.0511	186.0	14.2381	0.02748
Co 228.615	-0.0527	ppb	0.1153	218.6	2.5851	-0.05273
Cr 267.716	0.3425	ppb	0.0583	17.0	48.1221	0.34246
Cu 324.754	0.3777	ppb	0.1459	38.6	276.410	0.37766
Fe 271.441	-1.3052	ppb	1.4850	113.8	5.0035	-1.30523
K 766.491	0.1041	ppb	0.4634	445.2	329.535	0.10408
Mg 279.078	1.2430	ppb	1.8440	148.4	21.9403	1.24302
Mn 257.610	0.4495	ppb	0.0430	9.6	133.654	0.44948
Mo 202.032	0.8736	ppb	0.6309	72.2	11.6808	0.87355
Na 330.237	27.0435	ppb	56.9307	210.5	23.3128	27.04349
Ni 231.604	0.0163	ppb	0.3915	2397.7	-4.7316	0.01633
Pb 220.353	1.6631	ppb	1.9661	118.2	2.8060	1.66313
Sb 206.834	4.8640	ppb	0.5755	11.8	7.5227	4.86404
Se 196.026	3.9545	ppb	6.7652	171.1	4.2627	3.95446
Sn 189.925	0.0400	ppb	1.0569	2643.4	-5.3465	0.03998
Sr 216.596	0.2686	ppb	0.3776	140.6	5.3102	0.26860
Ti 334.941	0.2888	ppb	0.0149	5.2	18.2589	0.28878
Tl 190.794	1.7194	ppb	0.7515	43.7	-4.2828	1.71938
V 292.401	0.5222	ppb	0.0701	13.4	6.2837	0.52219
Zn 206.200	0.9714	ppb	0.7917	81.5	2.0822	0.97141

680-106108-a-46-a (Samp) **10/15/2014, 2:12:10 PM** **Rack 1, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.8777	2.6857	2.3539
Al 308.215	12153.6	11479.2	11080.3
As 188.980	2.8991	5.8776	2.7358

Label	Replicates Concentration		
B 249.678	4.7511	4.6790	4.9221
Ba 389.178	167.013	158.716	153.843
Be 313.042	0.3463	0.3208	0.3140
Ca 370.602	1841	1728	1666
Cd 226.502	-0.3764	-0.4444	-0.4214
Co 228.615	9.7732	9.8271	8.7762
Cr 267.716	43.8531	41.1455	39.9951
Cu 324.754	28.6507	26.7828	25.9852
Fe 271.441	21380.1	20123.4	19404.1
K 766.491	9608.50	9117.57	8843.20
Mg 279.078	9067.62	8523.22	8230.40
Mn 257.610	413.492	392.280	380.022
Mo 202.032	0.8075	0.7678	0.5227
Na 330.237	208.530	226.264	233.000
Ni 231.604	22.7497	21.7863	21.5337
Pb 220.353	5.7964	4.2684	5.7965
Sb 206.834	2.0265	2.5026	-0.1786
Se 196.026	-3.5029u	13.2704	2.9104
Sn 189.925	-0.8855u	2.3207	6.5197
Sr 216.596	7.7803	6.1602	6.3936
Ti 334.941	1727.97	1625.61	1570.42
Tl 190.794	3.3307	-0.7894u	4.9622
V 292.401	51.2994	48.3313	46.2188
Zn 206.200	64.5875	60.1491	57.2194

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.6391	ppb	0.2650	10.0	192.140
Al 308.215	11571.0	ppb	542.542	4.7	77002.2
As 188.980	3.8375	ppb	1.7687	46.1	-0.3627
B 249.678	4.7841	ppb	0.1249	2.6	65.3450
Ba 389.178	159.857	ppb	6.6586	4.2	3212.45
Be 313.042	0.3270	ppb	0.0170	5.2	217.725
Ca 370.602	1745	ppb	88.96	5.1	4439
Cd 226.502	-0.4141	ppb	0.0346	8.4	70.2128
Co 228.615	9.4588	ppb	0.5918	6.3	134.373
Cr 267.716	41.6646	ppb	1.9807	4.8	2112.11
Cu 324.754	27.1396	ppb	1.3681	5.0	2161.08
Fe 271.441	20302.5	ppb	1000.12	4.9	28599.8
K 766.491	9189.76	ppb	387.725	4.2	393446
Mg 279.078	8607.08	ppb	424.862	4.9	20918.7
Mn 257.610	395.265	ppb	16.9336	4.3	81898.7
Mo 202.032	0.6994	ppb	0.1542	22.1	9.6900
Na 330.237	222.598	ppb	12.6402	5.7	23.1762
Ni 231.604	22.0232	ppb	0.6417	2.9	57.7550
Pb 220.353	5.2871	ppb	0.8822	16.7	5.9511
Sb 206.834	1.4502	ppb	1.4305	98.6	4.0701
Se 196.026	4.2260	ppb	8.4637	200.3	4.5963
Sn 189.925	2.6516	ppb	3.7137	140.1	-3.6294
Sr 216.596	6.7781	ppb	0.8758	12.9	98.2805
Ti 334.941	1641.33	ppb	79.9402	4.9	455395
Tl 190.794	2.5012	ppb	2.9642	118.5	-5.6686
V 292.401	48.6165	ppb	2.5523	5.2	1282.60
Zn 206.200	60.6520	ppb	3.7097	6.1	55.0441

680-106108-a-47-a (Samp) **10/15/2014, 2:16:25 PM** **Rack 1, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	-0.3038u	-0.4586u	-0.1709u
Al 308.215	11413.6	11392.9	11415.9
As 188.980	5.1333	4.5646	8.8107
B 249.678	2.5025u	2.4799u	2.4916u
Ba 389.178	167.875	166.825	166.365
Be 313.042	0.2885	0.2775	0.2747
Ca 370.602	1954	1949	1937
Cd 226.502	-0.4839	-0.5212	-0.3447
Co 228.615	8.7927	9.4752	9.5726
Cr 267.716	36.8654	36.8777	36.5284
Cu 324.754	33.5420	33.2368	33.4448
Fe 271.441	20457.0	20377.2	20403.4
K 766.491	8789.25	8799.06	8826.59
Mg 279.078	8233.31	8199.47	8219.75
Mn 257.610	376.427	375.027	375.159
Mo 202.032	-0.1523u	0.7057	0.0064u
Na 330.237	192.253	47.2671u	92.9682u
Ni 231.604	18.8793	19.3521	19.0623
Pb 220.353	3.3856	3.4921	3.7522
Sb 206.834	-2.1072u	-0.3843	0.7738
Se 196.026	3.7381	8.4575	8.7353
Sn 189.925	8.0791	2.9316	0.0134
Sr 216.596	7.5337	6.8606	7.3590
Ti 334.941	1519.00	1516.89	1516.18
Tl 190.794	1.0586u	-3.5763u	-2.0152u
V 292.401	50.4978	50.5320	50.1181
Zn 206.200	44.6454	41.3518	42.5896

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3111	ppb	0.1440	46.3	-36.1356
Al 308.215	11407.5	ppb	12.6348	0.1	75920.2
As 188.980	6.1695	ppb	2.3049	37.4	0.8867
B 249.678	2.4913	ppb	0.0113	0.5	30.4132
Ba 389.178	167.022	ppb	0.7742	0.5	3357.32
Be 313.042	0.2802	ppb	0.0073	2.6	141.821
Ca 370.602	1947	ppb	8.652	0.4	4861
Cd 226.502	-0.4499	ppb	0.0930	20.7	69.2653
Co 228.615	9.2801	ppb	0.4250	4.6	130.191
Cr 267.716	36.7572	ppb	0.1982	0.5	1868.30
Cu 324.754	33.4079	ppb	0.1559	0.5	2600.71
Fe 271.441	20412.5	ppb	40.6948	0.2	28754.6
K 766.491	8804.97	ppb	19.3553	0.2	376985
Mg 279.078	8217.51	ppb	17.0331	0.2	19972.7
Mn 257.610	375.538	ppb	0.7730	0.2	77816.8
Mo 202.032	0.1866	ppb	0.4565	244.6	6.5105
Na 330.237	110.829	ppb	74.1248	66.9	18.4926
Ni 231.604	19.0979	ppb	0.2384	1.2	49.6611
Pb 220.353	3.5433	ppb	0.1886	5.3	3.5096
Sb 206.834	-0.5726	ppb	1.4497	253.2	1.3676
Se 196.026	6.9770	ppb	2.8084	40.3	5.6526
Sn 189.925	3.6747	ppb	4.0839	111.1	-2.9568
Sr 216.596	7.2511	ppb	0.3493	4.8	103.715

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1517.36	ppb	1.4646	0.1	420993
Tl 190.794	-1.5110	ppb	2.3582	156.1	-9.6099
V 292.401	50.3827	ppb	0.2297	0.5	1326.91
Zn 206.200	42.8623	ppb	1.6637	3.9	39.0028

680-106108-a-48-a (Samp) **10/15/2014, 2:20:41 PM** **Rack 1, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	-0.1692u	-0.2782u	-0.0848u
Al 308.215	8363.54	8339.07	8335.34
As 188.980	4.8907	5.2034	3.5174
B 249.678	1.8108u	1.8286u	2.6578
Ba 389.178	106.771	106.554	107.600
Be 313.042	0.2779	0.2946	0.2812
Ca 370.602	1583	1584	1591
Cd 226.502	-0.2960	-0.3757	-0.2447
Co 228.615	6.8351	7.0657	6.3606
Cr 267.716	28.1465	28.3447	27.8964
Cu 324.754	18.1643	18.0114	18.5430
Fe 271.441	19135.1	19102.4	19105.8
K 766.491	6060.08	6039.65	6052.13
Mg 279.078	5602.40	5602.65	5595.40
Mn 257.610	254.116	253.997	253.868
Mo 202.032	2.1379	2.9183	2.1575
Na 330.237	41.5632u	-88.5594u	16.3449u
Ni 231.604	13.3399	13.6481	12.7606
Pb 220.353	11.1032	10.7172	14.2234
Sb 206.834	-0.1767	0.4225	-1.3753u
Se 196.026	6.9088	5.5408	2.7224
Sn 189.925	4.9423	4.8149	5.8842
Sr 216.596	5.4664	5.3874	4.9957
Ti 334.941	993.072	990.739	991.540
Tl 190.794	3.6605	0.4608u	-2.2179u
V 292.401	34.8175	34.0718	34.7137
Zn 206.200	33.1951	33.4050	33.1116

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1774	ppb	0.0969	54.6	-26.1134
Al 308.215	8345.98	ppb	15.3156	0.2	55657.8
As 188.980	4.5372	ppb	0.8969	19.8	-0.0087
B 249.678	2.0991	ppb	0.4840	23.1	27.1957
Ba 389.178	106.975	ppb	0.5519	0.5	2135.51
Be 313.042	0.2846	ppb	0.0088	3.1	147.782
Ca 370.602	1586	ppb	4.671	0.3	3849
Cd 226.502	-0.3055	ppb	0.0660	21.6	70.0204
Co 228.615	6.7538	ppb	0.3595	5.3	93.6481
Cr 267.716	28.1292	ppb	0.2246	0.8	1438.14
Cu 324.754	18.2395	ppb	0.2737	1.5	1536.64
Fe 271.441	19114.4	ppb	17.9908	0.1	26926.1
K 766.491	6050.62	ppb	10.3005	0.2	259159
Mg 279.078	5600.15	ppb	4.1152	0.1	13617.0
Mn 257.610	253.994	ppb	0.1239	0.0	52659.7
Mo 202.032	2.4046	ppb	0.4450	18.5	20.3072

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-10.2171	ppb	69.0082	675.4	14.2712
Ni 231.604	13.2495	ppb	0.4506	3.4	33.3674
Pb 220.353	12.0146	ppb	1.9226	16.0	15.9174
Sb 206.834	-0.3765	ppb	0.9154	243.1	1.4590
Se 196.026	5.0573	ppb	2.1347	42.2	4.8805
Sn 189.925	5.2138	ppb	0.5840	11.2	-1.9449
Sr 216.596	5.2832	ppb	0.2521	4.8	80.8124
Ti 334.941	991.784	ppb	1.1853	0.1	275152
Tl 190.794	0.6345	ppb	2.9431	463.9	-7.4523
V 292.401	34.5344	ppb	0.4039	1.2	907.899
Zn 206.200	33.2373	ppb	0.1512	0.5	30.3911

680-106108-a-49-a (Samp) **10/15/2014, 2:24:56 PM** **Rack 1, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	-0.2452u	-0.4386u	-0.4988u
Al 308.215	12212.2	12259.8	12220.4
As 188.980	6.1589	4.7055	2.9779
B 249.678	1.2487u	1.0132u	1.6945u
Ba 389.178	166.790	169.534	168.231
Be 313.042	0.3168	0.3148	0.3118
Ca 370.602	2101	2119	2106
Cd 226.502	-0.4218	-0.4431	-0.4014
Co 228.615	10.6087	10.8301	10.8979
Cr 267.716	41.2552	41.2547	41.2602
Cu 324.754	29.4870	29.6111	29.6027
Fe 271.441	21742.3	21837.0	21762.0
K 766.491	8531.51	8585.49	8553.92
Mg 279.078	8630.41	8674.06	8628.32
Mn 257.610	381.767	383.093	382.172
Mo 202.032	0.6723	-0.0342u	0.5136
Na 330.237	156.081u	84.1717u	-6.8280u
Ni 231.604	20.8207	20.7854	21.8081
Pb 220.353	0.2568u	1.1772u	3.2549
Sb 206.834	5.0385	2.9203	1.5109
Se 196.026	1.0175	-4.8370u	0.3959
Sn 189.925	1.3818	2.4629	9.7124
Sr 216.596	7.3276	7.7089	7.0391
Ti 334.941	1581.99	1589.51	1584.95
Tl 190.794	-2.2789u	-0.9200u	1.3393u
V 292.401	53.2021	53.1885	53.0866
Zn 206.200	45.7224	46.6849	46.3039

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3942	ppb	0.1325	33.6	-42.7532
Al 308.215	12230.8	ppb	25.4287	0.2	81371.0
As 188.980	4.6141	ppb	1.5925	34.5	0.0517
B 249.678	1.3188	ppb	0.3460	26.2	9.8561
Ba 389.178	168.185	ppb	1.3729	0.8	3382.14
Be 313.042	0.3145	ppb	0.0025	0.8	197.759
Ca 370.602	2109	ppb	9.083	0.4	5245
Cd 226.502	-0.4221	ppb	0.0209	4.9	75.2124
Co 228.615	10.7789	ppb	0.1513	1.4	147.169

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	41.2567	ppb	0.0030	0.0	2092.32
Cu 324.754	29.5669	ppb	0.0694	0.2	2331.86
Fe 271.441	21780.4	ppb	49.9547	0.2	30681.2
K 766.491	8556.98	ppb	27.1163	0.3	366377
Mg 279.078	8644.26	ppb	25.8305	0.3	21009.1
Mn 257.610	382.344	ppb	0.6797	0.2	79231.2
Mo 202.032	0.3839	ppb	0.3707	96.6	7.6698
Na 330.237	77.8083	ppb	81.6408	104.9	16.3690
Ni 231.604	21.1381	ppb	0.5805	2.7	55.4142
Pb 220.353	1.5630	ppb	1.5358	98.3	0.5658
Sb 206.834	3.1566	ppb	1.7756	56.3	6.3660
Se 196.026	-1.1412	ppb	3.2157	281.8	2.5387
Sn 189.925	4.5190	ppb	4.5300	100.2	-2.4017
Sr 216.596	7.3585	ppb	0.3359	4.6	106.359
Ti 334.941	1585.48	ppb	3.7899	0.2	439897
Tl 190.794	-0.6199	ppb	1.8277	294.9	-8.8929
V 292.401	53.1591	ppb	0.0631	0.1	1400.11
Zn 206.200	46.2371	ppb	0.4847	1.0	41.9837

680-106108-a-50-a (Samp) **10/15/2014, 2:29:12 PM** **Rack 1, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-0.3561u	-0.3603u	-0.2308u
Al 308.215	9671.63	9648.67	9692.22
As 188.980	4.5766	3.9259	4.2502
B 249.678	1.3070u	1.8382u	1.4934u
Ba 389.178	147.150	147.735	147.778
Be 313.042	0.2285	0.2281	0.2279
Ca 370.602	1504	1514	1520
Cd 226.502	-0.2697	0.0403	-0.2185
Co 228.615	6.9363	7.6768	8.4000
Cr 267.716	31.2048	31.1640	31.6613
Cu 324.754	78.3691	77.1811	77.6226
Fe 271.441	17119.6	17100.4	17112.3
K 766.491	7538.74	7508.77	7546.27
Mg 279.078	6915.19	6915.03	6946.32
Mn 257.610	311.578	311.171	312.234
Mo 202.032	0.1854	0.5133	0.3816
Na 330.237	112.162u	19.9043u	-71.1095u
Ni 231.604	20.0948	18.0318	19.6330
Pb 220.353	146.445	144.498	145.969
Sb 206.834	2.8966	2.7500	3.6241
Se 196.026	4.0055	4.4209	4.1200
Sn 189.925	2.9128	2.9250	5.3105
Sr 216.596	6.4419	6.9427	6.5027
Ti 334.941	1333.56	1329.08	1334.84
Tl 190.794	-3.0666u	-1.1816u	-0.7151u
V 292.401	41.7667	41.3196	41.3296
Zn 206.200	42.6810	42.3273	44.7562

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3157	ppb	0.0736	23.3	-36.2568
Al 308.215	9670.84	ppb	21.7856	0.2	64421.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	4.2509	ppb	0.3253	7.7	-0.1397
B 249.678	1.5462	ppb	0.2695	17.4	23.2263
Ba 389.178	147.554	ppb	0.3511	0.2	2959.17
Be 313.042	0.2281	ppb	0.0003	0.1	56.4432
Ca 370.602	1513	ppb	8.474	0.6	3819
Cd 226.502	-0.1493	ppb	0.1662	111.3	68.4959
Co 228.615	7.6711	ppb	0.7319	9.5	109.470
Cr 267.716	31.3434	ppb	0.2761	0.9	1597.57
Cu 324.754	77.7243	ppb	0.6005	0.8	5707.66
Fe 271.441	17110.8	ppb	9.7108	0.1	24104.6
K 766.491	7531.26	ppb	19.8411	0.3	322499
Mg 279.078	6925.51	ppb	18.0184	0.3	16835.5
Mn 257.610	311.661	ppb	0.5365	0.2	64588.6
Mo 202.032	0.3601	ppb	0.1650	45.8	7.7365
Na 330.237	20.3189	ppb	91.6365	451.0	15.3264
Ni 231.604	19.2532	ppb	1.0827	5.6	49.8392
Pb 220.353	145.637	ppb	1.0150	0.7	206.426
Sb 206.834	3.0903	ppb	0.4681	15.1	6.0283
Se 196.026	4.1822	ppb	0.2145	5.1	4.5386
Sn 189.925	3.7161	ppb	1.3808	37.2	-2.9296
Sr 216.596	6.6291	ppb	0.2733	4.1	93.1320
Ti 334.941	1332.49	ppb	3.0255	0.2	369694
Tl 190.794	-1.6544	ppb	1.2450	75.3	-9.3968
V 292.401	41.4720	ppb	0.2553	0.6	1092.05
Zn 206.200	43.2548	ppb	1.3122	3.0	39.4999

680-106108-a-51-a (Samp) **10/15/2014, 2:33:28 PM** **Rack 1, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2852u	-0.3667u	-0.2121u
Al 308.215	11184.2	11190.3	11210.5
As 188.980	8.2956	0.8181	3.1247
B 249.678	1.2509u	0.9581u	1.3732u
Ba 389.178	162.374	162.707	162.691
Be 313.042	0.2712	0.2710	0.2814
Ca 370.602	1648	1644	1637
Cd 226.502	0.0017	-0.0037	-0.2430
Co 228.615	9.7237	9.4403	9.6917
Cr 267.716	39.3940	39.2349	39.3591
Cu 324.754	48.8607	48.7295	49.5256
Fe 271.441	19895.2	19873.8	19919.9
K 766.491	8652.99	8627.28	8640.21
Mg 279.078	8066.10	8072.48	8062.15
Mn 257.610	359.608	359.285	359.535
Mo 202.032	0.6062	0.4372	0.6241
Na 330.237	210.507	106.131u	91.2454u
Ni 231.604	20.8919	21.2551	21.7878
Pb 220.353	83.7202	82.4709	83.0468
Sb 206.834	3.2206	5.2817	4.3334
Se 196.026	6.4231	0.5504	5.4335
Sn 189.925	3.0416	5.0771	5.8933
Sr 216.596	7.8346	8.0597	8.0305
Ti 334.941	1498.33	1498.92	1501.09

Label	Replicates Concentration		
Tl 190.794	1.3277u	2.1381u	2.2472
V 292.401	46.2391	46.5196	46.5536
Zn 206.200	49.4115	49.7620	50.0419

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2880	ppb	0.0773	26.9	-34.3693
Al 308.215	11195.0	ppb	13.8023	0.1	74512.9
As 188.980	4.0795	ppb	3.8291	93.9	-0.2336
B 249.678	1.1941	ppb	0.2133	17.9	12.0699
Ba 389.178	162.591	ppb	0.1874	0.1	3266.97
Be 313.042	0.2745	ppb	0.0060	2.2	132.195
Ca 370.602	1643	ppb	5.363	0.3	4153
Cd 226.502	-0.0817	ppb	0.1397	171.1	81.0052
Co 228.615	9.6186	ppb	0.1552	1.6	133.121
Cr 267.716	39.3293	ppb	0.0837	0.2	1995.58
Cu 324.754	49.0386	ppb	0.4268	0.9	3696.84
Fe 271.441	19896.3	ppb	23.0990	0.1	28027.6
K 766.491	8640.16	ppb	12.8560	0.1	369935
Mg 279.078	8066.91	ppb	5.2089	0.1	19607.2
Mn 257.610	359.476	ppb	0.1694	0.0	74492.7
Mo 202.032	0.5559	ppb	0.1031	18.5	8.8239
Na 330.237	135.961	ppb	64.9863	47.8	19.7000
Ni 231.604	21.3116	ppb	0.4506	2.1	55.7491
Pb 220.353	83.0793	ppb	0.6253	0.8	116.972
Sb 206.834	4.2785	ppb	1.0316	24.1	7.7597
Se 196.026	4.1357	ppb	3.1442	76.0	4.5509
Sn 189.925	4.6707	ppb	1.4687	31.4	-2.3020
Sr 216.596	7.9749	ppb	0.1224	1.5	110.829
Ti 334.941	1499.45	ppb	1.4495	0.1	416023
Tl 190.794	1.9044	ppb	0.5024	26.4	-6.2174
V 292.401	46.4375	ppb	0.1726	0.4	1223.86
Zn 206.200	49.7385	ppb	0.3158	0.6	45.2225

CRI (Samp) **10/15/2014, 2:37:44 PM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.3816	10.5208	10.8449
Al 308.215	216.110	212.454	217.071
As 188.980	27.4718	30.2372	25.8478
B 249.678	102.454	102.132	102.878
Ba 389.178	10.0574	10.1864	10.0386
Be 313.042	4.2072	4.1846	4.2018
Ca 370.602	529.1	524.8	530.1
Cd 226.502	5.1600	5.2118	5.1660
Co 228.615	10.2735	10.5718	10.2387
Cr 267.716	10.4266	10.4321	10.5589
Cu 324.754	21.7551	21.2390	21.4583
Fe 271.441	53.9898	51.7388	55.3493
K 766.491	1082.41	1073.77	1080.24
Mg 279.078	514.471	516.180	517.515
Mn 257.610	11.2473	11.2382	11.3252
Mo 202.032	10.3607	9.6988	10.3758
Na 330.237	948.963	756.361	917.972

Label	Replicates Concentration		
Ni 231.604	42.6781	41.8153	43.4720
Pb 220.353	13.5327	13.5252	10.6921
Sb 206.834	22.9802	22.3639	25.6513
Se 196.026	18.3054	27.5932	24.2439
Sn 189.925	52.1956	55.6309	56.7762
Sr 216.596	9.9628	9.7617	9.8159
Ti 334.941	10.8777	10.6454	10.7752
Tl 190.794	26.1973	26.4848	25.9057
V 292.401	10.4430	10.2248	10.3492
Zn 206.200	21.5243	19.2741	21.8725

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5824	ppb	0.2377	2.2	807.756
Al 308.215	215.212	ppb	2.4360	1.1	1820.09
As 188.980	27.8523	ppb	2.2193	8.0	12.5295
B 249.678	102.488	ppb	0.3743	0.4	1585.39
Ba 389.178	10.0941	ppb	0.0804	0.8	154.685
Be 313.042	4.1979	ppb	0.0118	0.3	6516.19
Ca 370.602	528.0	ppb	2.824	0.5	1235
Cd 226.502	5.1793	ppb	0.0283	0.5	207.227
Co 228.615	10.3614	ppb	0.1831	1.8	111.027
Cr 267.716	10.4725	ppb	0.0748	0.7	550.761
Cu 324.754	21.4841	ppb	0.2590	1.2	1756.98
Fe 271.441	53.6926	ppb	1.8235	3.4	83.6499
K 766.491	1078.81	ppb	4.4911	0.4	46474.5
Mg 279.078	516.055	ppb	1.5259	0.3	1272.41
Mn 257.610	11.2702	ppb	0.0478	0.4	2375.22
Mo 202.032	10.1451	ppb	0.3866	3.8	69.0444
Na 330.237	874.432	ppb	103.420	11.8	63.3032
Ni 231.604	42.6551	ppb	0.8286	1.9	113.367
Pb 220.353	12.5834	ppb	1.6379	13.0	18.3623
Sb 206.834	23.6651	ppb	1.7475	7.4	32.2784
Se 196.026	23.3808	ppb	4.7036	20.1	11.7446
Sn 189.925	54.8676	ppb	2.3838	4.3	30.7020
Sr 216.596	9.8468	ppb	0.1040	1.1	109.051
Ti 334.941	10.7661	ppb	0.1164	1.1	2926.33
Tl 190.794	26.1959	ppb	0.2895	1.1	19.6570
V 292.401	10.3390	ppb	0.1095	1.1	259.004
Zn 206.200	20.8903	ppb	1.4105	6.8	20.0244

Cont Calib Verif (CCV) **10/15/2014, 2:44:14 PM** **Rack 2, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	498.865	494.454	491.233
Al 308.215	4812.71	4789.20	4766.47
As 188.980	462.833	459.828	458.311
B 249.678	483.317	484.601	486.070
Ba 389.178	4882.20	4844.94	4828.01
Be 313.042	490.892	488.784	487.290
Ca 370.602	5211	5202	5189
Cd 226.502	486.693	484.651	480.736
Co 228.615	508.017	505.488	504.364
Cr 267.716	4948.80	4920.66	4905.78

Label	Replicates Concentration		
Cu 324.754	5021.74	5006.26	4929.01
Fe 271.441	4951.56	4918.62	4923.66
K 766.491	10148.8	10115.5	10088.9
Mg 279.078	4923.21	4908.24	4883.07
Mn 257.610	5079.04	5067.15	5042.23
Mo 202.032	491.747	490.920	489.432
Na 330.237	7456.72	7254.39	7074.73
Ni 231.604	2515.15	2512.30	2496.13
Pb 220.353	507.300	503.689	501.239
Sb 206.834	926.966	917.989	924.983
Se 196.026	4748.19	4727.83	4708.76
Sn 189.925	4993.84	4978.30	4965.18
Sr 216.596	2419.57	2409.23	2393.35
Ti 334.941	488.021	485.322	482.602
Tl 190.794	5026.46	5015.10	4999.51
V 292.401	4901.69	4870.49	4857.71
Zn 206.200	2473.29	2459.71	2448.69

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.851	ppb	3.8314	0.8	38223.0	98.97015
Al 308.215	4789.46	ppb	23.1205	0.5	32592.6	95.78919
As 188.980	460.324	ppb	2.3013	0.5	244.447	92.06480
B 249.678	484.662	ppb	1.3772	0.3	7366.09	96.93250
Ba 389.178	4851.72	ppb	27.7254	0.6	98368.8	97.03436
Be 313.042	488.989	ppb	1.8098	0.4	795917	97.79779
Ca 370.602	5200	ppb	10.87	0.2	12291	104.00904
Cd 226.502	484.027	ppb	3.0275	0.6	18145.0	96.80534
Co 228.615	505.956	ppb	1.8711	0.4	5277.78	101.19121
Cr 267.716	4925.08	ppb	21.8468	0.4	244397	98.50162
Cu 324.754	4985.67	ppb	49.6731	1.0	349880	99.71341
Fe 271.441	4931.28	ppb	17.7437	0.4	7048.35	98.62553
K 766.491	10117.8	ppb	30.0200	0.3	433145	101.17769
Mg 279.078	4904.84	ppb	20.2863	0.4	11842.6	98.09679
Mn 257.610	5062.81	ppb	18.7869	0.4	1047037	101.25618
Mo 202.032	490.700	ppb	1.1729	0.2	3037.91	98.14000
Na 330.237	7261.95	ppb	191.105	2.6	307.242	96.82597
Ni 231.604	2507.86	ppb	10.2604	0.4	6941.70	100.31436
Pb 220.353	504.076	ppb	3.0490	0.6	722.341	100.81520
Sb 206.834	923.312	ppb	4.7158	0.5	1262.20	92.33122
Se 196.026	4728.26	ppb	19.7152	0.4	1824.17	94.56521
Sn 189.925	4979.11	ppb	14.3508	0.3	3268.32	99.58213
Sr 216.596	2407.38	ppb	13.2078	0.5	26245.8	96.29530
Ti 334.941	485.315	ppb	2.7096	0.6	134612	97.06297
Tl 190.794	5013.69	ppb	13.5333	0.3	4903.77	100.27382
V 292.401	4876.63	ppb	22.6261	0.5	126114	97.53261
Zn 206.200	2460.56	ppb	12.3238	0.5	2208.59	98.42252

Cont Calib Blank (CCB) **10/15/2014, 2:48:29 PM** **Rack 2, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.0296	-0.1525u	0.1462
Al 308.215	6.7231	8.5965	8.9505
As 188.980	1.3386	6.8385	0.6984

Label	Replicates Concentration		
B 249.678	9.4793	8.4954	7.1764
Ba 389.178	-0.6717u	0.4402	0.0177
Be 313.042	0.0402	0.0396	0.0367
Ca 370.602	2.947	-0.0025	2.927
Cd 226.502	0.0381	-0.0496u	-0.0500u
Co 228.615	-0.1947u	0.2740	-0.2374u
Cr 267.716	0.2576	0.2703	0.3382
Cu 324.754	0.3131	0.1600	0.5012
Fe 271.441	-5.4252u	3.3127	-0.9086u
K 766.491	-0.4990u	-1.1479u	-0.4923u
Mg 279.078	-0.0883u	1.3564	2.2271
Mn 257.610	0.3617	0.3864	0.4192
Mo 202.032	0.7584	0.8603	0.4736
Na 330.237	-45.9985u	-105.137u	27.9557
Ni 231.604	0.7530	0.0001u	0.7342
Pb 220.353	0.6239	0.2236	2.1650
Sb 206.834	6.5187	4.7374	2.0829
Se 196.026	6.1964	2.6572	5.0743
Sn 189.925	3.8466	-0.7093u	3.7816
Sr 216.596	0.6490	-0.2373u	0.2836
Ti 334.941	0.1302	0.1424	0.1705
Tl 190.794	1.0234	1.1718	3.8818
V 292.401	0.3488	0.6233	0.2472
Zn 206.200	0.5865	-0.0864u	0.7913

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0077	ppb	0.1505	1947.2	-9.8694	0.00773
Al 308.215	8.0900	ppb	1.1970	14.8	447.972	8.09002
As 188.980	2.9585	ppb	3.3754	114.1	-0.8249	2.95847
B 249.678	8.3837	ppb	1.1555	13.8	162.295	8.38369
Ba 389.178	-0.0713	ppb	0.5613	787.7	-52.2229	-0.07125
Be 313.042	0.0388	ppb	0.0019	4.9	-253.891	0.03884
Ca 370.602	1.957	ppb	1.697	86.7	15.69	1.95745
Cd 226.502	-0.0205	ppb	0.0507	247.2	12.4461	-0.02052
Co 228.615	-0.0527	ppb	0.2838	538.5	2.5893	-0.05270
Cr 267.716	0.2887	ppb	0.0433	15.0	45.4567	0.28868
Cu 324.754	0.3248	ppb	0.1709	52.6	272.692	0.32478
Fe 271.441	-1.0070	ppb	4.3698	433.9	5.4326	-1.00700
K 766.491	-0.7131	ppb	0.3766	52.8	294.578	-0.71309
Mg 279.078	1.1651	ppb	1.1695	100.4	21.7523	1.16508
Mn 257.610	0.3891	ppb	0.0288	7.4	121.174	0.38911
Mo 202.032	0.6975	ppb	0.2004	28.7	10.5912	0.69746
Na 330.237	-41.0600	ppb	66.6837	162.4	20.0728	-41.06001
Ni 231.604	0.4958	ppb	0.4294	86.6	-3.4035	0.49579
Pb 220.353	1.0041	ppb	1.0251	102.1	1.8667	1.00414
Sb 206.834	4.4463	ppb	2.2322	50.2	6.9782	4.44634
Se 196.026	4.6426	ppb	1.8086	39.0	4.5276	4.64265
Sn 189.925	2.3063	ppb	2.6118	113.2	-3.8565	2.30628
Sr 216.596	0.2318	ppb	0.4455	192.2	4.9026	0.23176
Ti 334.941	0.1477	ppb	0.0207	14.0	-20.8899	0.14771
Tl 190.794	2.0256	ppb	1.6092	79.4	-3.9826	2.02564
V 292.401	0.4065	ppb	0.1946	47.9	3.3313	0.40646
Zn 206.200	0.4305	ppb	0.4592	106.7	1.5940	0.43047

mb 680-353436/1-a (Samp) **10/15/2014, 2:52:45 PM** **Rack 2, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-0.1161u	0.2311	0.2027
Al 308.215	8.9944	8.7170	8.9878
As 188.980	2.4155	0.9085	7.6343
B 249.678	4.1778	4.0354	3.0208
Ba 389.178	0.1018	0.9890	0.4553
Be 313.042	0.0138	0.0212	0.0132
Ca 370.602	14.29	15.86	17.45
Cd 226.502	0.1090	-0.1595u	-0.0638u
Co 228.615	0.1066	-0.0043u	0.1152
Cr 267.716	2.0556	2.2442	2.1498
Cu 324.754	0.5213	0.1753	0.2505
Fe 271.441	152.146	152.335	155.384
K 766.491	7.3962	7.3022	7.1380
Mg 279.078	1.6546	4.2327	1.6755
Mn 257.610	1.6551	1.6545	1.6260
Mo 202.032	0.5216	0.6784	0.2613
Na 330.237	-50.4786u	-85.6165u	-41.5357u
Ni 231.604	1.7786	1.3610	0.4482
Pb 220.353	-0.5245u	-1.6729u	1.8545
Sb 206.834	3.9208	4.6817	0.4317
Se 196.026	6.0725	1.1810	-3.2544u
Sn 189.925	11.9239	12.7091	13.1731
Sr 216.596	0.7899	-0.1222u	-0.4761u
Ti 334.941	0.2912	0.2310	0.2398
Tl 190.794	1.5798	3.0600	0.3693
V 292.401	0.1303	0.2395	0.1319
Zn 206.200	1.5432	2.2710	2.9503

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1059	ppb	0.1928	182.0	-2.2851
Al 308.215	8.8997	ppb	0.1583	1.8	453.554
As 188.980	3.6528	ppb	3.5295	96.6	-0.4532
B 249.678	3.7447	ppb	0.6309	16.8	91.8210
Ba 389.178	0.5154	ppb	0.4466	86.7	-40.2498
Be 313.042	0.0161	ppb	0.0044	27.7	-290.961
Ca 370.602	15.87	ppb	1.583	10.0	46.43
Cd 226.502	-0.0381	ppb	0.1361	357.1	12.3286
Co 228.615	0.0725	ppb	0.0667	91.9	3.9061
Cr 267.716	2.1499	ppb	0.0943	4.4	137.884
Cu 324.754	0.3157	ppb	0.1820	57.6	272.116
Fe 271.441	153.288	ppb	1.8170	1.2	222.706
K 766.491	7.2788	ppb	0.1307	1.8	636.457
Mg 279.078	2.5210	ppb	1.4824	58.8	25.0230
Mn 257.610	1.6452	ppb	0.0166	1.0	381.365
Mo 202.032	0.4871	ppb	0.2107	43.2	9.2832
Na 330.237	-59.2103	ppb	23.3015	39.4	19.1191
Ni 231.604	1.1960	ppb	0.6804	56.9	-1.4521
Pb 220.353	-0.1143	ppb	1.7991	1573.9	0.2645
Sb 206.834	3.0114	ppb	2.2663	75.3	5.1156
Se 196.026	1.3330	ppb	4.6653	350.0	3.2548
Sn 189.925	12.6020	ppb	0.6314	5.0	2.9128
Sr 216.596	0.0639	ppb	0.6532	1022.8	3.2389

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.2540	ppb	0.0325	12.8	8.6276
Tl 190.794	1.6697	ppb	1.3476	80.7	-4.3484
V 292.401	0.1672	ppb	0.0626	37.5	-2.8678
Zn 206.200	2.2548	ppb	0.7037	31.2	3.2295

lcs 680-353436/2-a (Samp) **10/15/2014, 2:57:01 PM** **Rack 2, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	50.1679	49.7948	50.1089
Al 308.215	4815.43	4816.75	4808.35
As 188.980	112.051	109.190	103.803
B 249.678	189.746	189.990	189.047
Ba 389.178	97.8698	98.9269	97.6817
Be 313.042	50.5383	50.4912	50.3874
Ca 370.602	4951	4957	4946
Cd 226.502	50.1137	49.7608	50.0240
Co 228.615	49.5727	49.9071	49.7182
Cr 267.716	101.735	101.536	101.179
Cu 324.754	101.252	99.6415	101.376
Fe 271.441	5006.44	5003.51	4989.76
K 766.491	5036.95	5023.58	5022.65
Mg 279.078	4856.80	4854.02	4831.07
Mn 257.610	520.230	519.483	519.039
Mo 202.032	98.3316	99.1687	97.6643
Na 330.237	4675.04	4597.91	4596.81
Ni 231.604	100.164	100.105	99.8787
Pb 220.353	502.714	506.031	503.498
Sb 206.834	50.3051	50.1622	49.8822
Se 196.026	93.0422	100.860	95.2397
Sn 189.925	205.559	202.309	207.852
Sr 216.596	96.8107	97.9347	97.4417
Ti 334.941	99.7876	99.7698	99.5091
Tl 190.794	37.0021	38.0596	36.9536
V 292.401	99.2253	99.2986	99.3761
Zn 206.200	99.7101	103.069	101.363

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0239	ppb	0.2005	0.4	3857.23
Al 308.215	4813.51	ppb	4.5204	0.1	32270.1
As 188.980	108.348	ppb	4.1881	3.9	55.7065
B 249.678	189.594	ppb	0.4893	0.3	2892.51
Ba 389.178	98.1595	ppb	0.6712	0.7	1949.28
Be 313.042	50.4723	ppb	0.0772	0.2	81843.4
Ca 370.602	4951	ppb	5.654	0.1	11455
Cd 226.502	49.9662	ppb	0.1834	0.4	1901.03
Co 228.615	49.7327	ppb	0.1677	0.3	521.047
Cr 267.716	101.483	ppb	0.2817	0.3	5070.31
Cu 324.754	100.756	ppb	0.9675	1.0	7321.05
Fe 271.441	4999.90	ppb	8.9060	0.2	7054.33
K 766.491	5027.73	ppb	7.9967	0.2	215402
Mg 279.078	4847.30	ppb	14.1252	0.3	11784.3
Mn 257.610	519.584	ppb	0.6017	0.1	107536
Mo 202.032	98.3882	ppb	0.7538	0.8	614.824

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	4623.25	ppb	44.8492	1.0	239.195
Ni 231.604	100.049	ppb	0.1506	0.2	272.650
Pb 220.353	504.081	ppb	1.7337	0.3	718.854
Sb 206.834	50.1165	ppb	0.2151	0.4	66.8946
Se 196.026	96.3805	ppb	4.0317	4.2	39.9850
Sn 189.925	205.240	ppb	2.7855	1.4	129.571
Sr 216.596	97.3957	ppb	0.5634	0.6	1070.04
Ti 334.941	99.6888	ppb	0.1559	0.2	27608.5
Tl 190.794	37.3384	ppb	0.6250	1.7	30.1538
V 292.401	99.3000	ppb	0.0754	0.1	2549.95
Zn 206.200	101.381	ppb	1.6793	1.7	92.2189

680-106218-a-1-a (Samp) **10/15/2014, 3:01:17 PM** **Rack 2, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.3566u	0.0054u	0.0316u
Al 308.215	22790.9	22850.1	22762.9
As 188.980	6.6916	7.9521	6.5362
B 249.678	9.4092	9.2609	8.5525
Ba 389.178	213.531	212.318	211.731
Be 313.042	0.5105	0.5029	0.5025
Ca 370.602	8659	8641	8557
Cd 226.502	0.7358	0.8325	0.8654
Co 228.615	1.8159	1.4352	2.2370
Cr 267.716	28.1312	28.1627	28.0369
Cu 324.754	26.6930	26.1247	26.9192
Fe 271.441	12036.0	12048.7	11997.9
K 766.491	664.771	666.541	663.348
Mg 279.078	1039.27	1030.66	1031.22
Mn 257.610	120.099	119.956	119.315
Mo 202.032	1.2400	1.2523	0.5906
Na 330.237	347.945	227.111u	208.939u
Ni 231.604	8.3050	8.0436	7.6990
Pb 220.353	443.766	442.578	438.850
Sb 206.834	-0.7265u	-1.2884u	3.6719
Se 196.026	3.2796	7.5442	5.9437
Sn 189.925	15.3137	14.4124	13.5361
Sr 216.596	46.4406	45.4992	45.8101
Ti 334.941	357.441	358.184	356.302
Tl 190.794	2.0976	1.8707	0.3079u
V 292.401	21.6276	21.7768	21.8429
Zn 206.200	331.926	335.130	327.676

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1065	ppb	0.2170	203.7	-21.2898
Al 308.215	22801.3	ppb	44.5363	0.2	151300
As 188.980	7.0600	ppb	0.7765	11.0	1.5043
B 249.678	9.0742	ppb	0.4579	5.0	147.505
Ba 389.178	212.527	ppb	0.9181	0.4	4266.90
Be 313.042	0.5053	ppb	0.0045	0.9	510.422
Ca 370.602	8619	ppb	54.39	0.6	19947
Cd 226.502	0.8112	ppb	0.0674	8.3	86.4848
Co 228.615	1.8293	ppb	0.4010	21.9	29.8115

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	28.1103	ppb	0.0655	0.2	1432.52
Cu 324.754	26.5790	ppb	0.4093	1.5	2118.74
Fe 271.441	12027.6	ppb	26.4415	0.2	16945.2
K 766.491	664.887	ppb	1.5995	0.2	28767.7
Mg 279.078	1033.72	ppb	4.8182	0.5	2520.43
Mn 257.610	119.790	ppb	0.4178	0.3	24854.2
Mo 202.032	1.0276	ppb	0.3785	36.8	12.1011
Na 330.237	261.332	ppb	75.5581	28.9	22.7608
Ni 231.604	8.0159	ppb	0.3039	3.8	18.3485
Pb 220.353	441.731	ppb	2.5651	0.6	629.185
Sb 206.834	0.5523	ppb	2.7162	491.8	2.4968
Se 196.026	5.5891	ppb	2.1543	38.5	5.0059
Sn 189.925	14.4207	ppb	0.8888	6.2	4.1086
Sr 216.596	45.9166	ppb	0.4797	1.0	519.717
Ti 334.941	357.309	ppb	0.9477	0.3	99088.9
Tl 190.794	1.4254	ppb	0.9744	68.4	-5.9208
V 292.401	21.7491	ppb	0.1103	0.5	564.707
Zn 206.200	331.578	ppb	3.7391	1.1	299.815

680-106218-a-2-a (Samp) **10/15/2014, 3:05:32 PM** **Rack 2, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	-0.4464u	-0.3595u	-0.5946u
Al 308.215	59199.6	59317.9	59203.9
As 188.980	12.9191	12.4739	4.4625
B 249.678	7.3952	7.3199	7.9767
Ba 389.178	91.1152	90.9658	90.5007
Be 313.042	1.3520	1.3690	1.3477
Ca 370.602	4129	4169	4159
Cd 226.502	-0.1994	-0.3429	-0.1089
Co 228.615	2.9848	2.8239	3.1846
Cr 267.716	65.9604	66.5704	65.9969
Cu 324.754	8.5664	8.8399	8.5928
Fe 271.441	15279.4	15342.8	15261.5
K 766.491	655.876	654.371	657.268
Mg 279.078	998.877	1004.15	1001.87
Mn 257.610	63.2632	63.5471	63.4604
Mo 202.032	1.7573	1.2126	1.9181
Na 330.237	51.9844u	196.031	-6.3051u
Ni 231.604	14.9368	14.2864	14.3307
Pb 220.353	126.896	126.645	125.284
Sb 206.834	1.5138	-0.1626	-1.0339u
Se 196.026	0.1035	0.1845	7.7372
Sn 189.925	7.4356	11.4456	12.7350
Sr 216.596	67.5560	68.3810	67.5856
Ti 334.941	862.938	865.306	863.224
Tl 190.794	-1.8833u	-0.1304u	-0.1287u
V 292.401	20.8163	20.5268	20.7501
Zn 206.200	33.4486	33.1769	30.2711

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4668	ppb	0.1188	25.5	-50.3731
Al 308.215	59240.5	ppb	67.1354	0.1	392435

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	137384

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	769.665	ppb	148.101	19.2	3.5175
Ni 231.604	273.170	ppb	0.8176	0.3	767.833
Pb 220.353	260.764	ppb	4.5042	1.7	359.377
Sb 206.834	4.0174	ppb	0.9552	23.8	13.7490
Se 196.026	5.9956	ppb	7.5859	126.5	7.6411
Sn 189.925	19.9946	ppb	1.8332	9.2	7.7732
Sr 216.596	31.4725	ppb	0.1282	0.4	569.716
Ti 334.941	667.885	ppb	0.4089	0.1	185308
Tl 190.794	-1.5771	ppb	2.6719	169.4	-29.8739
V 292.401	231.253	ppb	0.3306	0.1	6061.91
Zn 206.200	188.424	ppb	1.1464	0.6	162.853

680-106194-a-29-a (Samp) **10/15/2014, 4:21:35 PM** **Rack 2, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	-2.0018u	-2.1011u	-2.0022u
Al 308.215	166405	166418	166471
As 188.980	339.864	343.228	352.518
B 249.678	17.9027u	16.3028u	17.5774u
Ba 389.178	567.913	569.055	567.754
Be 313.042	8.4772	8.5053	8.4924
Ca 370.602	24807	24832	24742
Cd 226.502	-2.2995	-2.3304	-2.6365
Co 228.615	110.339	110.862	111.823
Cr 267.716	329.442	329.401	328.793
Cu 324.754	445.735	441.874	442.502
Fe 271.441	353646	354605	353689
K 766.491	12303.8	12318.5	12338.2
Mg 279.078	8197.30	8197.83	8186.62
Mn 257.610	9807.02	9791.78	9798.25
Mo 202.032	32.5096	32.5588	33.0558
Na 330.237	299.903u	496.207u	391.301u
Ni 231.604	259.407	257.315	259.761
Pb 220.353	240.477	238.150	241.157
Sb 206.834	-6.4889	1.1143	-0.5584
Se 196.026	4.3536	2.3416	12.9525
Sn 189.925	20.6877	22.4753	29.2404
Sr 216.596	65.5263	64.5908	65.1376
Ti 334.941	1207.01	1208.47	1209.68
Tl 190.794	-8.4560u	-4.0503u	-2.9093u
V 292.401	499.138	500.724	499.325
Zn 206.200	325.824	324.365	315.268

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0350	ppb	0.0572	2.8	-177.601
Al 308.215	166432	ppb	34.9263	0.0	1102367
As 188.980	345.204	ppb	6.5543	1.9	182.309
B 249.678	17.2610	ppb	0.8456	4.9	-446.872
Ba 389.178	568.241	ppb	0.7096	0.1	11662.2
Be 313.042	8.4916	ppb	0.0141	0.2	13534.4
Ca 370.602	24794	ppb	46.80	0.2	54504
Cd 226.502	-2.4221	ppb	0.1863	7.7	1188.59
Co 228.615	111.008	ppb	0.7528	0.7	1204.42

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	329.212	ppb	0.3633	0.1	16565.4
Cu 324.754	443.370	ppb	2.0718	0.5	31487.1
Fe 271.441	353980	ppb	541.715	0.2	498518
K 766.491	12320.2	ppb	17.2690	0.1	527359
Mg 279.078	8193.91	ppb	6.3254	0.1	19689.2
Mn 257.610	9799.02	ppb	7.6497	0.1	2027466
Mo 202.032	32.7081	ppb	0.3021	0.9	193.076
Na 330.237	395.804	ppb	98.2295	24.8	-52.7288
Ni 231.604	258.828	ppb	1.3219	0.5	739.076
Pb 220.353	239.928	ppb	1.5768	0.7	320.510
Sb 206.834	-1.9777	ppb	3.9954	202.0	12.1118
Se 196.026	6.5492	ppb	5.6359	86.1	9.8284
Sn 189.925	24.1344	ppb	4.5113	18.7	10.4946
Sr 216.596	65.0849	ppb	0.4700	0.7	1095.08
Ti 334.941	1208.39	ppb	1.3372	0.1	335304
Tl 190.794	-5.1385	ppb	2.9291	57.0	-48.1729
V 292.401	499.729	ppb	0.8665	0.2	13069.4
Zn 206.200	321.819	ppb	5.7201	1.8	277.158

680-106198-b-3-a (Samp) **10/15/2014, 4:25:52 PM** **Rack 2, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	5.4025	5.3103	5.0242
Al 308.215	44849.3	44839.8	44826.4
As 188.980	110.477	111.649	107.787
B 249.678	207.445	208.455	210.664
Ba 389.178	2100.34	2094.83	2092.51
Be 313.042	3.7376	3.7234	3.7365
Ca 370.602	936118x	936455x	932368x
Cd 226.502	30.9946	30.4553	30.6926
Co 228.615	56.1458	55.9505	56.6546
Cr 267.716	532.790	532.788	532.773
Cu 324.754	3157.84	3136.76	3153.69
Fe 271.441	297052	296497	296398
K 766.491	4859.39	4855.67	4859.32
Mg 279.078	36497.1	36238.2	36243.1
Mn 257.610	3094.45	3110.16	3106.41
Mo 202.032	108.373	109.057	109.032
Na 330.237	4444.00u	4409.15u	4401.73u
Ni 231.604	279.616	277.163	278.933
Pb 220.353	3652.18	3657.33	3653.09
Sb 206.834	91.2579	97.4345	92.7812
Se 196.026	6.9018	14.0065	-8.6398u
Sn 189.925	190.989	191.142	196.732
Sr 216.596	713.827	712.699	711.761
Ti 334.941	892.437	891.561	891.195
Tl 190.794	-15.5411u	-11.7421u	-7.6545u
V 292.401	139.118	138.818	139.881
Zn 206.200	18795.8	18817.1	18836.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.2457b	ppb	0.1972	3.8	338.756
Al 308.215	44838.5b	ppb	11.4638	0.0	297620

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	109.971b	ppb	1.9801	1.8	55.3717
B 249.678	208.855b	ppb	1.6464	0.8	2571.88
Ba 389.178	2095.89b	ppb	4.0171	0.2	42651.8
Be 313.042	3.7325b	ppb	0.0079	0.2	6031.74
Ca 370.602	934980xb	ppb	2269	0.2	2158871
Cd 226.502	30.7141b	ppb	0.2703	0.9	2224.04
Co 228.615	56.2503b	ppb	0.3635	0.6	622.846
Cr 267.716	532.784b	ppb	0.0091	0.0	26613.2
Cu 324.754	3149.43b	ppb	11.1661	0.4	221265
Fe 271.441	296649b	ppb	352.488	0.1	417773
K 766.491	4858.13b	ppb	2.1297	0.0	208147
Mg 279.078	36326.1b	ppb	148.038	0.4	88201.1
Mn 257.610	3103.67b	ppb	8.2074	0.3	642976
Mo 202.032	108.821b	ppb	0.3878	0.4	666.893
Na 330.237	4418.30b	ppb	22.5704	0.5	-306.119
Ni 231.604	278.571b	ppb	1.2658	0.5	789.481
Pb 220.353	3654.20b	ppb	2.7488	0.1	5193.05
Sb 206.834	93.8245b	ppb	3.2178	3.4	137.578
Se 196.026	4.0895b	ppb	11.5821	283.2	7.1621
Sn 189.925	192.954b	ppb	3.2727	1.7	121.491
Sr 216.596	712.762b	ppb	1.0345	0.1	8419.83
Ti 334.941	891.731b	ppb	0.6380	0.1	247474
Tl 190.794	-11.6459b	ppb	3.9442	33.9	-51.5887
V 292.401	139.273b	ppb	0.5481	0.4	3682.35
Zn 206.200	18816.6b	ppb	20.5631	0.1	16964.3

680-106198-b-4-a (Samp) **10/15/2014, 4:30:09 PM** **Rack 2, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	476.704	478.241	477.862
Al 308.215	77845.7	77916.3	77953.0
As 188.980	153.103	157.075	152.505
B 249.678	480.855	482.767	483.999
Ba 389.178	5059.61	5051.67	5062.60
Be 313.042	5.1851	5.1776	5.1756
Ca 370.602	976224x	967060x	967592x
Cd 226.502	56.4973	56.9727	56.3453
Co 228.615	88.6109	86.9351	87.9251
Cr 267.716	924.863	924.420	925.396
Cu 324.754	9552.40	9537.73	9640.66
Fe 271.441	564836	563281	563283
K 766.491	7411.78	7393.47	7422.15
Mg 279.078	69192.6	69247.1	69144.8
Mn 257.610	5890.05	5880.56	5879.56
Mo 202.032	146.775	147.962	147.126
Na 330.237	6789.16u	6504.09u	6545.41u
Ni 231.604	526.220	525.777	526.678
Pb 220.353	34893.0x	34913.5x	34847.2x
Sb 206.834	100.972	96.0801	104.955
Se 196.026	-0.4232	-0.2797	3.5262
Sn 189.925	1485.29	1482.78	1475.93
Sr 216.596	1381.74	1380.42	1377.53
Ti 334.941	1351.10	1349.65	1352.89

Label	Replicates Concentration		
Tl 190.794	-20.9533u	-25.1977u	-32.0546u
V 292.401	228.643	228.691	229.353
Zn 206.200	31481.9x	31441.1x	31366.4x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	477.602b	ppb	0.8009	0.2	36821.4
Al 308.215	77905.0b	ppb	54.5757	0.1	516888
As 188.980	154.228b	ppb	2.4838	1.6	77.9745
B 249.678	482.540b	ppb	1.5842	0.3	6149.98
Ba 389.178	5057.96b	ppb	5.6473	0.1	102902
Be 313.042	5.1794b	ppb	0.0050	0.1	8381.09
Ca 370.602	970292xb	ppb	5144	0.5	2238115
Cd 226.502	56.6051b	ppb	0.3273	0.6	4148.19
Co 228.615	87.8237b	ppb	0.8425	1.0	976.036
Cr 267.716	924.893b	ppb	0.4888	0.1	46199.7
Cu 324.754	9576.93b	ppb	55.6744	0.6	672178
Fe 271.441	563800b	ppb	896.915	0.2	793995
K 766.491	7409.13b	ppb	14.5243	0.2	317274
Mg 279.078	69194.8b	ppb	51.1946	0.1	167994
Mn 257.610	5883.39b	ppb	5.7868	0.1	1218800
Mo 202.032	147.288b	ppb	0.6097	0.4	893.455
Na 330.237	6612.89b	ppb	154.047	2.3	-577.991
Ni 231.604	526.225b	ppb	0.4504	0.1	1495.86
Pb 220.353	34884.6xb	ppb	33.9534	0.1	49709.8
Sb 206.834	100.669b	ppb	4.4450	4.4	158.443
Se 196.026	0.9411b	ppb	2.2399	238.0	8.5068
Sn 189.925	1481.33b	ppb	4.8458	0.3	968.579
Sr 216.596	1379.90b	ppb	2.1490	0.2	15997.6
Ti 334.941	1351.21b	ppb	1.6228	0.1	375058
Tl 190.794	-26.0685b	ppb	5.6017	21.5	-96.4241
V 292.401	228.896b	ppb	0.3968	0.2	6085.18
Zn 206.200	31429.8xb	ppb	58.5621	0.2	28332.3

680-106198-b-7-a (Samp) **10/15/2014, 4:34:26 PM** **Rack 2, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-1.8835u	-1.8629u	-2.1908u
Al 308.215	74764.7	74983.3	74909.3
As 188.980	83.0998	79.1418	84.5602
B 249.678	47.7581	47.0386	46.0291
Ba 389.178	674.717	675.346	674.754
Be 313.042	6.6912	6.7147	6.7015
Ca 370.602	433176	430901	431165
Cd 226.502	5.8583	5.8209	5.8497
Co 228.615	59.7532	59.6058	60.2010
Cr 267.716	144.721	144.791	144.766
Cu 324.754	325.278	327.879	327.340
Fe 271.441	127477	127492	127858
K 766.491	5654.86	5651.25	5651.57
Mg 279.078	29568.1	29635.5	29641.7
Mn 257.610	5017.89	5012.15	5038.87
Mo 202.032	12.2182	10.9648	11.2931
Na 330.237	500.070u	803.131u	527.231u

Label	Replicates Concentration		
Ni 231.604	115.785	114.724	115.579
Pb 220.353	577.541	583.915	592.531
Sb 206.834	0.4344	4.4286	3.2326
Se 196.026	-1.2053	-0.4969	0.6078
Sn 189.925	24.1856	30.9450	28.2471
Sr 216.596	161.762	162.632	163.442
Ti 334.941	619.520	620.367	619.418
Tl 190.794	-6.7384u	-3.3041u	-6.3045u
V 292.401	275.341	275.108	276.011
Zn 206.200	1695.82	1712.63	1710.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9791	ppb	0.1836	9.3	-165.562
Al 308.215	74885.8	ppb	111.173	0.1	496178
As 188.980	82.2673	ppb	2.8035	3.4	41.6776
B 249.678	46.9419	ppb	0.8685	1.9	477.386
Ba 389.178	674.939	ppb	0.3530	0.1	13739.7
Be 313.042	6.7024	ppb	0.0118	0.2	10739.3
Ca 370.602	431747	ppb	1245	0.3	997153
Cd 226.502	5.8430	ppb	0.0196	0.3	688.543
Co 228.615	59.8533	ppb	0.3100	0.5	646.427
Cr 267.716	144.759	ppb	0.0356	0.0	7291.91
Cu 324.754	326.832	ppb	1.3730	0.4	23222.1
Fe 271.441	127609	ppb	216.160	0.2	179722
K 766.491	5652.56	ppb	1.9984	0.0	242131
Mg 279.078	29615.1	ppb	40.8421	0.1	71851.0
Mn 257.610	5022.97	ppb	14.0656	0.3	1039335
Mo 202.032	11.4920	ppb	0.6500	5.7	71.6711
Na 330.237	610.144	ppb	167.683	27.5	-22.4368
Ni 231.604	115.362	ppb	0.5626	0.5	324.439
Pb 220.353	584.662	ppb	7.5231	1.3	826.202
Sb 206.834	2.6986	ppb	2.0500	76.0	9.8733
Se 196.026	-0.3648	ppb	0.9137	250.5	4.5330
Sn 189.925	27.7926	ppb	3.4026	12.2	12.9002
Sr 216.596	162.612	ppb	0.8404	0.5	2061.21
Ti 334.941	619.768	ppb	0.5206	0.1	171980
Tl 190.794	-5.4490	ppb	1.8702	34.3	-23.8144
V 292.401	275.487	ppb	0.4685	0.2	7179.71
Zn 206.200	1706.31	ppb	9.1429	0.5	1535.33

Cont Calib Verif (CCV) **10/15/2014, 4:38:43 PM** **Rack 2, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	488.512	487.215	489.931
Al 308.215	4822.47	4818.11	4811.56
As 188.980	454.921	458.203	451.163
B 249.678	486.101	482.602	484.760
Ba 389.178	4797.01	4800.58	4801.72
Be 313.042	484.144	482.364	481.000
Ca 370.602	4911	4919	4903
Cd 226.502	485.491	485.048	485.622
Co 228.615	492.321	492.151	491.647
Cr 267.716	4838.36	4840.00	4845.00

Label	Replicates Concentration		
Cu 324.754	5002.19	4968.77	4988.13
Fe 271.441	4867.74	4866.20	4876.82
K 766.491	10070.5	10081.3	10074.3
Mg 279.078	4863.33	4851.68	4846.92
Mn 257.610	4959.51	4961.98	4955.91
Mo 202.032	487.628	489.327	490.682
Na 330.237	7479.15	7424.16	7741.50
Ni 231.604	2470.86	2465.95	2459.29
Pb 220.353	492.562	492.557	497.065
Sb 206.834	915.774	913.854	918.200
Se 196.026	4782.92	4794.60	4793.27
Sn 189.925	4858.38	4875.94	4889.42
Sr 216.596	2413.18	2409.72	2408.64
Ti 334.941	478.511	478.852	478.842
Tl 190.794	4995.48	4965.62	4969.69
V 292.401	4832.92	4838.36	4843.05
Zn 206.200	2423.40	2410.36	2410.89

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	488.553	ppb	1.3585	0.3	37733.6	97.71059
Al 308.215	4817.38	ppb	5.4913	0.1	32777.5	96.34762
As 188.980	454.762	ppb	3.5223	0.8	241.463	90.95245
B 249.678	484.488	ppb	1.7652	0.4	7363.44	96.89751
Ba 389.178	4799.77	ppb	2.4593	0.1	97315.2	95.99537
Be 313.042	482.503	ppb	1.5767	0.3	785357	96.50056
Ca 370.602	4911	ppb	8.315	0.2	11622	98.21857
Cd 226.502	485.387	ppb	0.3007	0.1	18195.9	97.07741
Co 228.615	492.040	ppb	0.3503	0.1	5132.89	98.40794
Cr 267.716	4841.12	ppb	3.4573	0.1	240231	96.82236
Cu 324.754	4986.36	ppb	16.7816	0.3	349929	99.72723
Fe 271.441	4870.26	ppb	5.7387	0.1	6962.25	97.40511
K 766.491	10075.4	ppb	5.4822	0.1	431331	100.75376
Mg 279.078	4853.98	ppb	8.4392	0.2	11718.8	97.07955
Mn 257.610	4959.13	ppb	3.0516	0.1	1025598	99.18268
Mo 202.032	489.212	ppb	1.5300	0.3	3028.70	97.84246
Na 330.237	7548.27	ppb	169.585	2.2	321.370	100.64359
Ni 231.604	2465.37	ppb	5.8042	0.2	6824.00	98.61471
Pb 220.353	494.061	ppb	2.6015	0.5	708.104	98.81229
Sb 206.834	915.943	ppb	2.1778	0.2	1253.08	91.59425
Se 196.026	4790.27	ppb	6.3973	0.1	1848.05	95.80531
Sn 189.925	4874.58	ppb	15.5653	0.3	3199.59	97.49159
Sr 216.596	2410.51	ppb	2.3699	0.1	26280.1	96.42050
Ti 334.941	478.735	ppb	0.1942	0.0	132786	95.74693
Tl 190.794	4976.93	ppb	16.1920	0.3	4867.83	99.53857
V 292.401	4838.11	ppb	5.0696	0.1	125113	96.76225
Zn 206.200	2414.88	ppb	7.3801	0.3	2167.23	96.59526

Cont Calib Blank (CCB) **10/15/2014, 4:42:59 PM** **Rack 2, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.0328	0.0259	-0.1673u
Al 308.215	8.7770	10.4998	10.1973
As 188.980	1.6907	7.9596	-0.8134u

Label	Replicates Concentration		
B 249.678	10.2608	8.8618	7.6533
Ba 389.178	-0.0292u	0.2197	0.1734
Be 313.042	0.0359	0.0406	0.0511
Ca 370.602	8.844	15.46	15.83
Cd 226.502	0.0061	-0.1045u	-0.0941u
Co 228.615	-0.5340u	-0.0874u	-0.4276u
Cr 267.716	0.1471	0.4641	0.4221
Cu 324.754	0.5279	0.4726	0.2403
Fe 271.441	3.4159	5.7947	8.6046
K 766.491	-1.5038u	-0.6546u	-1.0541u
Mg 279.078	-2.3070u	0.2930	2.0484
Mn 257.610	0.5019	0.5603	0.5313
Mo 202.032	0.9504	0.7838	0.5718
Na 330.237	-14.6817u	-107.746u	-107.937u
Ni 231.604	1.7724	1.5459	2.2566
Pb 220.353	0.4056	2.1118	0.4338
Sb 206.834	8.1732	1.2086	2.7178
Se 196.026	2.3148	6.0033	-3.6912u
Sn 189.925	-0.5099u	0.1961	0.2325
Sr 216.596	0.1863	0.0759	0.1205
Ti 334.941	0.1491	0.1444	0.1370
Tl 190.794	-1.7343u	0.1476	0.4124
V 292.401	0.4861	0.4617	0.5788
Zn 206.200	0.1937	0.1946	-2.3147u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0362	ppb	0.1136	313.8	-13.2624	-0.03619
Al 308.215	9.8247	ppb	0.9199	9.4	459.483	9.82470
As 188.980	2.9456	ppb	4.5191	153.4	-0.8318	2.94562
B 249.678	8.9253	ppb	1.3049	14.6	170.465	8.92531
Ba 389.178	0.1213	ppb	0.1324	109.1	-48.3138	0.12130
Be 313.042	0.0425	ppb	0.0078	18.3	-247.907	0.04252
Ca 370.602	13.38	ppb	3.930	29.4	42.03	13.37607
Cd 226.502	-0.0642	ppb	0.0611	95.1	10.8350	-0.06418
Co 228.615	-0.3497	ppb	0.2333	66.7	-0.5076	-0.34966
Cr 267.716	0.3444	ppb	0.1722	50.0	48.2256	0.34444
Cu 324.754	0.4136	ppb	0.1526	36.9	278.930	0.41357
Fe 271.441	5.9384	ppb	2.5973	43.7	15.1610	5.93840
K 766.491	-1.0708	ppb	0.4249	39.7	279.275	-1.07081
Mg 279.078	0.0115	ppb	2.1913	19069.9	18.9461	0.01149
Mn 257.610	0.5312	ppb	0.0292	5.5	150.563	0.53115
Mo 202.032	0.7687	ppb	0.1898	24.7	11.0318	0.76871
Na 330.237	-76.7883	ppb	53.7860	70.0	18.3879	-76.78832
Ni 231.604	1.8583	ppb	0.3630	19.5	0.3725	1.85833
Pb 220.353	0.9838	ppb	0.9770	99.3	1.8371	0.98376
Sb 206.834	4.0332	ppb	3.6639	90.8	6.4297	4.03324
Se 196.026	1.5423	ppb	4.8932	317.3	3.3340	1.54230
Sn 189.925	-0.0271	ppb	0.4185	1544.6	-5.3906	-0.02709
Sr 216.596	0.1276	ppb	0.0556	43.6	3.7404	0.12756
Ti 334.941	0.1435	ppb	0.0061	4.3	-22.0453	0.14353
Tl 190.794	-0.3914	ppb	1.1705	299.0	-6.3481	-0.39143
V 292.401	0.5089	ppb	0.0618	12.1	5.9528	0.50885
Zn 206.200	-0.6421	ppb	1.4485	225.6	0.6261	-0.64213

680-106198-a-8-a (Samp) **10/15/2014, 4:47:15 PM** **Rack 2, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-2.4003u	-2.5105u	-2.5425u
Al 308.215	76693.2	76553.2	76590.6
As 188.980	90.4960	88.8157	86.8195
B 249.678	27.2741	26.4961	26.0605
Ba 389.178	555.429	553.356	554.073
Be 313.042	6.3710	6.3864	6.3850
Ca 370.602	340744	340587	337591
Cd 226.502	-0.4553	-0.4811	-0.4885
Co 228.615	56.9484	56.6753	56.8621
Cr 267.716	120.242	120.488	120.075
Cu 324.754	95.9494	95.1060	94.2281
Fe 271.441	117986	117879	117729
K 766.491	6570.56	6568.78	6547.96
Mg 279.078	16501.0	16475.3	16453.3
Mn 257.610	4659.03	4658.94	4656.23
Mo 202.032	10.0084	10.6189	9.4239
Na 330.237	205.029u	277.868u	124.173u
Ni 231.604	79.1180	79.4367	80.0590
Pb 220.353	179.838	179.168	178.477
Sb 206.834	1.6036	4.9652	2.6232
Se 196.026	3.6929	3.2391	-5.0508u
Sn 189.925	19.2832	18.5323	25.6742
Sr 216.596	114.569	113.955	113.541
Ti 334.941	663.163	663.370	662.063
Tl 190.794	-5.6938u	-8.0892u	-1.7318u
V 292.401	199.093	199.293	198.926
Zn 206.200	165.596	159.723	159.593

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4844	ppb	0.0746	3.0	-203.071
Al 308.215	76612.3	ppb	72.5233	0.1	507579
As 188.980	88.7104	ppb	1.8405	2.1	45.2024
B 249.678	26.6102	ppb	0.6148	2.3	191.204
Ba 389.178	554.286	ppb	1.0530	0.2	11270.8
Be 313.042	6.3808	ppb	0.0085	0.1	10182.9
Ca 370.602	339641	ppb	1777	0.5	784335
Cd 226.502	-0.4750	ppb	0.0174	3.7	415.767
Co 228.615	56.8286	ppb	0.1396	0.2	615.024
Cr 267.716	120.268	ppb	0.2078	0.2	6071.38
Cu 324.754	95.0945	ppb	0.8607	0.9	6965.70
Fe 271.441	117865	ppb	128.968	0.1	165999
K 766.491	6562.44	ppb	12.5660	0.2	281054
Mg 279.078	16476.5	ppb	23.8442	0.1	39937.5
Mn 257.610	4658.07	ppb	1.5913	0.0	963749
Mo 202.032	10.0171	ppb	0.5976	6.0	63.0515
Na 330.237	202.357	ppb	76.8824	38.0	-1.2456
Ni 231.604	79.5379	ppb	0.4786	0.6	224.433
Pb 220.353	179.161	ppb	0.6803	0.4	248.462
Sb 206.834	3.0640	ppb	1.7236	56.3	9.8046
Se 196.026	0.6271	ppb	4.9224	785.0	4.7623
Sn 189.925	21.1632	ppb	3.9246	18.5	8.5415
Sr 216.596	114.022	ppb	0.5172	0.5	1486.73

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	662.865	ppb	0.7021	0.1	183915
Tl 190.794	-5.1716	ppb	3.2107	62.1	-22.6240
V 292.401	199.104	ppb	0.1837	0.1	5198.16
Zn 206.200	161.637	ppb	3.4287	2.1	142.231

680-106198-b-11-a (Samp) **10/15/2014, 4:51:31 PM** **Rack 2, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-0.8633u	-0.4315u	-0.4474u
Al 308.215	74959.2	75059.6	75006.8
As 188.980	156.826	152.720	157.429
B 249.678	57.5433	57.2287	57.9933
Ba 389.178	1107.21	1109.52	1109.74
Be 313.042	8.3770	8.3951	8.3894
Ca 370.602	181053	181590	180392
Cd 226.502	13.9837	13.6602	13.9390
Co 228.615	72.5882	71.9044	72.1572
Cr 267.716	165.605	165.174	165.222
Cu 324.754	1140.80	1124.97	1127.64
Fe 271.441	151408	151321	151386
K 766.491	6000.51	6028.53	6007.68
Mg 279.078	29312.4	29313.2	29306.2
Mn 257.610	5277.57	5290.21	5290.27
Mo 202.032	21.9392	22.1064	21.8351
Na 330.237	953.968u	883.204u	863.238u
Ni 231.604	148.988	148.487	151.321
Pb 220.353	2361.07	2357.97	2353.24
Sb 206.834	47.5835	41.7109	42.1623
Se 196.026	19.5792	7.7685	2.3550
Sn 189.925	158.085	151.189	152.125
Sr 216.596	426.035	426.745	426.038
Ti 334.941	995.019	995.812	996.952
Tl 190.794	-5.1510u	-2.9009u	-5.2646u
V 292.401	292.782	292.896	292.652
Zn 206.200	3445.50	3445.09	3458.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5807	ppb	0.2448	42.2	-67.2492
Al 308.215	75008.6	ppb	50.2257	0.1	497032
As 188.980	155.658	ppb	2.5623	1.6	80.9256
B 249.678	57.5885	ppb	0.3843	0.7	589.710
Ba 389.178	1108.83	ppb	1.4024	0.1	22550.9
Be 313.042	8.3872	ppb	0.0093	0.1	13402.4
Ca 370.602	181012	ppb	599.9	0.3	417441
Cd 226.502	13.8610	ppb	0.1753	1.3	1072.44
Co 228.615	72.2166	ppb	0.3457	0.5	783.494
Cr 267.716	165.334	ppb	0.2362	0.1	8324.65
Cu 324.754	1131.14	ppb	8.4735	0.7	79643.2
Fe 271.441	151371	ppb	45.3526	0.0	213187
K 766.491	6012.24	ppb	14.5553	0.2	257518
Mg 279.078	29310.6	ppb	3.8215	0.0	71106.9
Mn 257.610	5286.02	ppb	7.3146	0.1	1093792
Mo 202.032	21.9602	ppb	0.1368	0.6	135.435

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	900.137	ppb	47.6758	5.3	-58.0233
Ni 231.604	149.599	ppb	1.5128	1.0	421.043
Pb 220.353	2357.43	ppb	3.9457	0.2	3352.52
Sb 206.834	43.8189	ppb	3.2680	7.5	64.8422
Se 196.026	9.9009	ppb	8.8079	89.0	8.7091
Sn 189.925	153.800	ppb	3.7408	2.4	95.7477
Sr 216.596	426.273	ppb	0.4089	0.1	4879.50
Ti 334.941	995.928	ppb	0.9718	0.1	276359
Tl 190.794	-4.4388	ppb	1.3331	30.0	-25.5100
V 292.401	292.777	ppb	0.1224	0.0	7639.23
Zn 206.200	3449.71	ppb	7.6493	0.2	3107.23

680-106200-b-37-b (Samp) **10/15/2014, 4:55:46 PM** **Rack 2, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	0.5739	1.4544	1.2251
Al 308.215	27630.6	27546.5	27588.6
As 188.980	122.257	124.074	120.328
B 249.678	18.5587	18.1347	18.0923
Ba 389.178	781.039	778.459	778.907
Be 313.042	4.1557	4.1480	4.1628
Ca 370.602	20223	20242	20302
Cd 226.502	1.3893	1.3122	1.0529
Co 228.615	40.2990	39.9207	39.7800
Cr 267.716	88.1444	88.1768	88.1047
Cu 324.754	189.814	190.995	189.685
Fe 271.441	96682.1	96289.7	96544.1
K 766.491	2681.01	2676.46	2682.55
Mg 279.078	3669.19	3660.10	3665.84
Mn 257.610	1984.42	1981.32	1984.72
Mo 202.032	18.1225	17.2422	17.7999
Na 330.237	583.503u	576.397u	449.055u
Ni 231.604	95.6371	96.0869	95.5925
Pb 220.353	542.913	541.165	544.309
Sb 206.834	8.7564	9.4590	4.1863
Se 196.026	5.4511	13.1326	6.9901
Sn 189.925	53.1329	49.5101	45.4343
Sr 216.596	226.371	224.494	225.016
Ti 334.941	1020.14	1016.61	1018.76
Tl 190.794	-3.2101u	-1.8538u	-0.6067u
V 292.401	113.796	113.444	113.442
Zn 206.200	1009.73	1014.19	1002.94

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0845	ppb	0.4568	42.1	60.9832
Al 308.215	27588.6	ppb	42.0303	0.2	183130
As 188.980	122.220	ppb	1.8735	1.5	62.8764
B 249.678	18.2619	ppb	0.2579	1.4	109.371
Ba 389.178	779.468	ppb	1.3782	0.2	15811.0
Be 313.042	4.1555	ppb	0.0074	0.2	6455.86
Ca 370.602	20256	ppb	41.17	0.2	46299
Cd 226.502	1.2515	ppb	0.1763	14.1	404.691
Co 228.615	39.9999	ppb	0.2684	0.7	444.997

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	88.1420	ppb	0.0361	0.0	4457.14
Cu 324.754	190.165	ppb	0.7217	0.4	13626.3
Fe 271.441	96505.3	ppb	199.093	0.2	135917
K 766.491	2680.01	ppb	3.1672	0.1	114971
Mg 279.078	3665.04	ppb	4.5945	0.1	8877.37
Mn 257.610	1983.49	ppb	1.8859	0.1	410511
Mo 202.032	17.7215	ppb	0.4453	2.5	111.715
Na 330.237	536.318	ppb	75.6559	14.1	-2.0927
Ni 231.604	95.7722	ppb	0.2735	0.3	267.809
Pb 220.353	542.796	ppb	1.5751	0.3	768.194
Sb 206.834	7.4672	ppb	2.8630	38.3	14.5175
Se 196.026	8.5246	ppb	4.0642	47.7	7.1332
Sn 189.925	49.3591	ppb	3.8515	7.8	27.0799
Sr 216.596	225.293	ppb	0.9690	0.4	2571.85
Ti 334.941	1018.51	ppb	1.7789	0.2	282573
Tl 190.794	-1.8902	ppb	1.3021	68.9	-18.2747
V 292.401	113.561	ppb	0.2037	0.2	2979.09
Zn 206.200	1008.95	ppb	5.6695	0.6	907.543

CRI (Samp) **10/15/2014, 5:00:02 PM** **Rack 2, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	10.6824	10.8312	10.5265
Al 308.215	217.585	217.737	215.278
As 188.980	23.7094	27.2547	24.5391
B 249.678	102.260	102.715	103.146
Ba 389.178	9.8814	9.4981	9.9264
Be 313.042	4.1681	4.1698	4.1697
Ca 370.602	526.1	523.6	525.7
Cd 226.502	5.1950	5.1771	5.2589
Co 228.615	10.4300	10.5811	10.1085
Cr 267.716	10.5789	10.2604	10.4872
Cu 324.754	21.8543	21.6656	21.9726
Fe 271.441	65.3698	62.7426	69.1969
K 766.491	1077.55	1077.98	1079.38
Mg 279.078	514.908	513.451	514.594
Mn 257.610	11.4272	11.3776	11.3849
Mo 202.032	9.8878	9.9564	10.1057
Na 330.237	858.081	855.160	852.625
Ni 231.604	41.8655	42.1054	41.4922
Pb 220.353	10.3536	11.8613	9.4268
Sb 206.834	18.4767	22.3713	19.3607
Se 196.026	26.5161	20.6887	28.0437
Sn 189.925	51.5801	53.1045	50.6253
Sr 216.596	10.1148	10.0700	10.8769
Ti 334.941	10.6537	10.5782	10.6045
Tl 190.794	25.2544	27.6017	27.9620
V 292.401	10.5069	10.5059	10.3703
Zn 206.200	20.6303	20.4730	21.9396

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6801	ppb	0.1524	1.4	815.291
Al 308.215	216.867	ppb	1.3777	0.6	1831.06

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	25.1677	ppb	1.8544	7.4	11.0893
B 249.678	102.707	ppb	0.4431	0.4	1588.62
Ba 389.178	9.7686	ppb	0.2354	2.4	148.085
Be 313.042	4.1692	ppb	0.0010	0.0	6469.49
Ca 370.602	525.1	ppb	1.337	0.3	1228
Cd 226.502	5.2103	ppb	0.0430	0.8	208.437
Co 228.615	10.3732	ppb	0.2414	2.3	111.153
Cr 267.716	10.4422	ppb	0.1640	1.6	549.261
Cu 324.754	21.8308	ppb	0.1548	0.7	1781.30
Fe 271.441	65.7698	ppb	3.2457	4.9	100.692
K 766.491	1078.30	ppb	0.9578	0.1	46452.9
Mg 279.078	514.318	ppb	0.7672	0.1	1268.19
Mn 257.610	11.3965	ppb	0.0268	0.2	2401.35
Mo 202.032	9.9833	ppb	0.1114	1.1	68.0427
Na 330.237	855.289	ppb	2.7302	0.3	62.3784
Ni 231.604	41.8211	ppb	0.3090	0.7	111.056
Pb 220.353	10.5472	ppb	1.2287	11.6	15.4582
Sb 206.834	20.0695	ppb	2.0418	10.2	27.5411
Se 196.026	25.0828	ppb	3.8813	15.5	12.4000
Sn 189.925	51.7700	ppb	1.2505	2.4	28.6654
Sr 216.596	10.3539	ppb	0.4535	4.4	114.627
Ti 334.941	10.6121	ppb	0.0383	0.4	2883.59
Tl 190.794	26.9393	ppb	1.4703	5.5	20.3836
V 292.401	10.4611	ppb	0.0786	0.8	262.188
Zn 206.200	21.0143	ppb	0.8052	3.8	20.1357

mb 680-353346/1-a (Samp) **10/15/2014, 5:04:18 PM** **Rack 2, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	0.0293	-0.5482u	-0.0110u
Al 308.215	10.4511	8.9812	10.6379
As 188.980	1.0060	5.9338	8.4690
B 249.678	3.3446	2.8926	3.0107
Ba 389.178	-0.4010u	-0.0899u	-0.5363u
Be 313.042	0.0173	0.0059	0.0126
Ca 370.602	12.49	15.32	12.42
Cd 226.502	-0.0174u	-0.0665u	-0.0816u
Co 228.615	-0.4370u	-0.2895u	-0.2878u
Cr 267.716	0.7894	0.5308	0.5096
Cu 324.754	-0.0767u	-0.1136u	-0.1613u
Fe 271.441	10.0877	8.9990	-0.3136u
K 766.491	6.0906	5.5834	6.1962
Mg 279.078	1.0231	0.7180	-0.5760u
Mn 257.610	0.2198	0.1642	0.2153
Mo 202.032	0.0772	0.0025	0.0337
Na 330.237	-87.7251u	12.0725	-8.0743u
Ni 231.604	1.5301	0.6108	1.5265
Pb 220.353	0.5126	-0.7366u	2.0390
Sb 206.834	4.5232	3.7198	3.1350
Se 196.026	-3.0372u	-0.6610u	1.8183
Sn 189.925	9.1250	9.7791	11.2455
Sr 216.596	0.3343	-0.0473u	0.1415
Ti 334.941	0.2766	0.2578	0.2807

Label	Replicates Concentration		
Tl 190.794	-0.1011u	2.2476	-0.6449u
V 292.401	0.0222	-0.0561u	0.2476
Zn 206.200	1.5049	0.8043	2.2530

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1767	ppb	0.3224	182.5	-24.1225
Al 308.215	10.0234	ppb	0.9074	9.1	460.709
As 188.980	5.1363	ppb	3.7949	73.9	0.3436
B 249.678	3.0826	ppb	0.2344	7.6	82.1145
Ba 389.178	-0.3424	ppb	0.2289	66.8	-57.7237
Be 313.042	0.0119	ppb	0.0057	47.8	-297.614
Ca 370.602	13.41	ppb	1.654	12.3	42.14
Cd 226.502	-0.0552	ppb	0.0336	60.8	11.1707
Co 228.615	-0.3381	ppb	0.0857	25.3	-0.3696
Cr 267.716	0.6099	ppb	0.1558	25.5	61.4033
Cu 324.754	-0.1172	ppb	0.0424	36.2	241.677
Fe 271.441	6.2577	ppb	5.7169	91.4	15.5982
K 766.491	5.9567	ppb	0.3276	5.5	579.901
Mg 279.078	0.3884	ppb	0.8490	218.6	19.8682
Mn 257.610	0.1997	ppb	0.0309	15.5	82.0213
Mo 202.032	0.0378	ppb	0.0375	99.2	6.5093
Na 330.237	-27.9090	ppb	52.7726	189.1	20.6798
Ni 231.604	1.2225	ppb	0.5297	43.3	-1.3888
Pb 220.353	0.6050	ppb	1.3901	229.8	1.2983
Sb 206.834	3.7927	ppb	0.6969	18.4	6.1323
Se 196.026	-0.6266	ppb	2.4279	387.5	2.4989
Sn 189.925	10.0499	ppb	1.0859	10.8	1.2348
Sr 216.596	0.1428	ppb	0.1908	133.6	3.9307
Ti 334.941	0.2717	ppb	0.0122	4.5	13.5211
Tl 190.794	0.5005	ppb	1.5373	307.1	-5.4745
V 292.401	0.0712	ppb	0.1576	221.3	-5.2694
Zn 206.200	1.5207	ppb	0.7245	47.6	2.5766

lcs 680-353346/2-a (Samp) **10/15/2014, 5:08:34 PM** **Rack 2, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	48.5152	48.8493	49.1536
Al 308.215	4758.72	4758.60	4775.09
As 188.980	102.813	111.864	109.832
B 249.678	185.651	186.676	188.195
Ba 389.178	97.5599	96.8771	96.5953
Be 313.042	49.6997	49.5833	49.7868
Ca 370.602	4878	4846	4864
Cd 226.502	49.1707	49.1099	49.1720
Co 228.615	49.8916	49.2979	50.0213
Cr 267.716	99.4895	99.1298	99.6479
Cu 324.754	100.014	97.5953	99.9653
Fe 271.441	4898.80	4888.42	4888.90
K 766.491	4941.23	4933.45	4959.53
Mg 279.078	4793.07	4779.48	4787.55
Mn 257.610	512.836	511.034	511.868
Mo 202.032	97.8775	98.8167	98.8802
Na 330.237	4539.19	4560.23	4394.09

Label	Replicates Concentration		
Ni 231.604	99.0560	97.1298	99.5521
Pb 220.353	494.050	489.835	491.344
Sb 206.834	52.9557	48.7982	51.0217
Se 196.026	100.151	100.682	100.325
Sn 189.925	198.735	203.683	205.397
Sr 216.596	96.9679	96.6741	96.7890
Ti 334.941	98.3756	98.0500	98.6350
Tl 190.794	40.9250	41.3613	42.6960
V 292.401	98.2996	98.1356	98.6619
Zn 206.200	100.672	100.227	100.870

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.8394	ppb	0.3193	0.7	3765.62
Al 308.215	4764.14	ppb	9.4853	0.2	31943.1
As 188.980	108.169	ppb	4.7490	4.4	55.6108
B 249.678	186.840	ppb	1.2797	0.7	2851.08
Ba 389.178	97.0108	ppb	0.4960	0.5	1925.85
Be 313.042	49.6899	ppb	0.1021	0.2	80569.6
Ca 370.602	4863	ppb	16.05	0.3	11250
Cd 226.502	49.1509	ppb	0.0354	0.1	1870.15
Co 228.615	49.7369	ppb	0.3857	0.8	521.060
Cr 267.716	99.4224	ppb	0.2655	0.3	4967.98
Cu 324.754	99.1914	ppb	1.3825	1.4	7211.26
Fe 271.441	4892.04	ppb	5.8594	0.1	6902.41
K 766.491	4944.73	ppb	13.3908	0.3	211852
Mg 279.078	4786.70	ppb	6.8335	0.1	11637.2
Mn 257.610	511.913	ppb	0.9023	0.2	105949
Mo 202.032	98.5248	ppb	0.5615	0.6	615.675
Na 330.237	4497.84	ppb	90.4640	2.0	233.245
Ni 231.604	98.5793	ppb	1.2796	1.3	268.571
Pb 220.353	491.743	ppb	2.1360	0.4	701.265
Sb 206.834	50.9252	ppb	2.0804	4.1	67.9370
Se 196.026	100.386	ppb	0.2704	0.3	41.5252
Sn 189.925	202.605	ppb	3.4593	1.7	127.838
Sr 216.596	96.8103	ppb	0.1480	0.2	1063.54
Ti 334.941	98.3535	ppb	0.2931	0.3	27237.9
Tl 190.794	41.6608	ppb	0.9227	2.2	34.3862
V 292.401	98.3657	ppb	0.2693	0.3	2525.75
Zn 206.200	100.590	ppb	0.3293	0.3	91.5136

680-106200-b-18-a (Samp) **10/15/2014, 5:12:50 PM** **Rack 2, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-0.2467u	-0.5690u	-0.2647u
Al 308.215	138919	138963	139113
As 188.980	281.583	271.872	272.564
B 249.678	63.6548	62.1117	63.6775
Ba 389.178	2753.34	2759.00	2759.71
Be 313.042	14.2081	14.2365	14.2088
Ca 370.602	59093	58887	58658
Cd 226.502	5.5759	5.7262	6.0197
Co 228.615	129.765	130.541	129.851
Cr 267.716	355.997	356.054	355.118

Label	Replicates Concentration		
Cu 324.754	1565.52	1573.00	1582.12
Fe 271.441	385468	385600	386074
K 766.491	13574.3	13603.7	13606.4
Mg 279.078	11508.0	11510.0	11502.0
Mn 257.610	17450.9	17467.3	17452.1
Mo 202.032	24.2875	24.0578	23.0442
Na 330.237	1744.32u	1656.44u	1444.28u
Ni 231.604	142.579	141.955	143.363
Pb 220.353	1708.69	1708.71	1709.76
Sb 206.834	21.6380	15.9616	8.5604
Se 196.026	9.8238	5.9121	7.3657
Sn 189.925	129.900	133.524	126.497
Sr 216.596	413.151	413.981	414.224
Ti 334.941	1193.93	1194.23	1194.01
Tl 190.794	-5.2347u	0.2422u	-0.4126u
V 292.401	458.987	460.253	459.288
Zn 206.200	3487.86	3508.55	3482.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3601	ppb	0.1811	50.3	-28.0333
Al 308.215	138999	ppb	101.738	0.1	920881
As 188.980	275.340	ppb	5.4184	2.0	144.435
B 249.678	63.1480	ppb	0.8975	1.4	181.720
Ba 389.178	2757.35	ppb	3.4915	0.1	56079.9
Be 313.042	14.2178	ppb	0.0162	0.1	22860.0
Ca 370.602	58880	ppb	217.6	0.4	133146
Cd 226.502	5.7739	ppb	0.2257	3.9	1606.90
Co 228.615	130.052	ppb	0.4251	0.3	1404.60
Cr 267.716	355.723	ppb	0.5246	0.1	17928.6
Cu 324.754	1573.55	ppb	8.3139	0.5	110767
Fe 271.441	385714	ppb	318.513	0.1	543209
K 766.491	13594.8	ppb	17.7946	0.1	581886
Mg 279.078	11506.7	ppb	4.1980	0.0	27606.1
Mn 257.610	17456.8	ppb	9.1509	0.1	3611139
Mo 202.032	23.7965	ppb	0.6616	2.8	136.636
Na 330.237	1615.01	ppb	154.250	9.6	-80.5140
Ni 231.604	142.632	ppb	0.7054	0.5	419.529
Pb 220.353	1709.05	ppb	0.6135	0.0	2415.31
Sb 206.834	15.3867	ppb	6.5577	42.6	36.3862
Se 196.026	7.7005	ppb	1.9772	25.7	11.9758
Sn 189.925	129.974	ppb	3.5139	2.7	80.0824
Sr 216.596	413.785	ppb	0.5622	0.1	4952.98
Ti 334.941	1194.06	ppb	0.1547	0.0	331336
Tl 190.794	-1.8017	ppb	2.9910	166.0	-45.1689
V 292.401	459.509	ppb	0.6612	0.1	12038.4
Zn 206.200	3492.81	ppb	13.9347	0.4	3136.68

680-106200-b-18-aSD (Samp) **10/15/2014, 5:17:07 PM** **Rack 2, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-0.2773u	-0.1555u	0.0018
Al 308.215	31329.5	30344.7	29194.4
As 188.980	66.9167	65.3873	60.5282

Label	Replicates Concentration		
B 249.678	15.4356	15.3571	15.1122
Ba 389.178	637.467	618.196	592.416
Be 313.042	3.2553	3.1749	3.0378
Ca 370.602	13523	13150	12600
Cd 226.502	1.3598	0.8501	0.5804
Co 228.615	30.1756	29.8999	28.1507
Cr 267.716	82.8929	80.4320	76.8704
Cu 324.754	354.727	343.303	329.367
Fe 271.441	89443.0	86664.1	83084.3
K 766.491	2815.39	2733.60	2641.63
Mg 279.078	2743.63	2665.40	2564.30
Mn 257.610	4203.65	4093.02	3907.13
Mo 202.032	5.1162	5.1688	5.0353
Na 330.237	311.495u	290.500u	432.592u
Ni 231.604	34.3162	33.2114	31.3566
Pb 220.353	405.210	393.242	376.184
Sb 206.834	2.8834	3.5409	8.4989
Se 196.026	8.3103	7.8286	-4.8526u
Sn 189.925	31.5061	30.1095	32.0303
Sr 216.596	98.9334	95.3198	89.7812
Ti 334.941	277.231	268.826	258.467
Tl 190.794	-0.1201u	-1.8554u	-2.9752u
V 292.401	106.787	103.800	99.1176
Zn 206.200	827.618	796.571	763.832

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1437	ppb	0.1399	97.4	-18.5976
Al 308.215	30289.5	ppb	1068.59	3.5	200984
As 188.980	64.2774	ppb	3.3357	5.2	31.8703
B 249.678	15.3017	ppb	0.1687	1.1	85.8176
Ba 389.178	616.026	ppb	22.6038	3.7	12489.7
Be 313.042	3.1560	ppb	0.1100	3.5	4827.80
Ca 370.602	13091	ppb	464.6	3.5	29610
Cd 226.502	0.9301	ppb	0.3958	42.6	356.464
Co 228.615	29.4087	ppb	1.0982	3.7	319.974
Cr 267.716	80.0651	ppb	3.0280	3.8	4059.83
Cu 324.754	342.466	ppb	12.7005	3.7	24303.7
Fe 271.441	86397.2	ppb	3187.74	3.7	121680
K 766.491	2730.21	ppb	86.9291	3.2	117118
Mg 279.078	2657.78	ppb	89.9081	3.4	6391.00
Mn 257.610	4067.93	ppb	149.841	3.7	841521
Mo 202.032	5.1068	ppb	0.0672	1.3	34.0938
Na 330.237	344.862	ppb	76.6982	22.2	-2.0732
Ni 231.604	32.9614	ppb	1.4955	4.5	93.0663
Pb 220.353	391.545	ppb	14.5873	3.7	553.839
Sb 206.834	4.9744	ppb	3.0700	61.7	11.0447
Se 196.026	3.7621	ppb	7.4645	198.4	5.6221
Sn 189.925	31.2153	ppb	0.9929	3.2	15.1507
Sr 216.596	94.6782	ppb	4.6097	4.9	1133.12
Ti 334.941	268.175	ppb	9.3988	3.5	74367.3
Tl 190.794	-1.6502	ppb	1.4385	87.2	-15.8871
V 292.401	103.235	ppb	3.8659	3.7	2699.03
Zn 206.200	796.007	ppb	31.8965	4.0	715.837

680-106200-b-18-aPDS (Samp) **10/15/2014, 5:21:24 PM** **Rack 2, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	90.7280	90.4475	90.5038
Al 308.215	139228	139376	139500
As 188.980	376.380	373.956	374.135
B 249.678	238.031	241.180	242.569
Ba 389.178	2803.22	2807.24	2801.99
Be 313.042	106.421	106.637	106.334
Ca 370.602	67865	67643	67394
Cd 226.502	94.0628	96.2963	96.2096
Co 228.615	220.571	221.044	221.242
Cr 267.716	443.917	444.440	443.194
Cu 324.754	1670.53	1649.62	1670.56
Fe 271.441	389939	389612	389082
K 766.491	23393.0	23415.3	23523.3
Mg 279.078	20405.3	20416.5	20371.0
Mn 257.610	18083.2	18141.4	18048.0
Mo 202.032	115.513	114.560	116.304
Na 330.237	10280.0	10171.5	10185.9
Ni 231.604	232.317	229.009	225.875
Pb 220.353	1771.13	1781.90	1760.70
Sb 206.834	111.968	105.804	111.633
Se 196.026	102.485	101.059	82.7197
Sn 189.925	219.907	212.053	212.868
Sr 216.596	499.760	499.033	496.962
Ti 334.941	1274.83	1276.86	1275.16
Tl 190.794	14.4387u	15.0172u	16.7939u
V 292.401	550.113	549.002	547.630
Zn 206.200	3551.20	3545.58	3541.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	90.5598	ppb	0.1484	0.2	7003.53
Al 308.215	139368	ppb	135.909	0.1	923346
As 188.980	374.824	ppb	1.3511	0.4	197.769
B 249.678	240.593	ppb	2.3252	1.0	2858.30
Ba 389.178	2804.15	ppb	2.7483	0.1	57042.8
Be 313.042	106.464	ppb	0.1561	0.1	173028
Ca 370.602	67634	ppb	235.3	0.3	153388
Cd 226.502	95.5229	ppb	1.2652	1.3	4979.05
Co 228.615	220.953	ppb	0.3448	0.2	2351.10
Cr 267.716	443.850	ppb	0.6259	0.1	22304.6
Cu 324.754	1663.57	ppb	12.0803	0.7	117085
Fe 271.441	389544	ppb	432.166	0.1	548614
K 766.491	23443.9	ppb	69.6993	0.3	1003212
Mg 279.078	20397.6	ppb	23.7045	0.1	49195.0
Mn 257.610	18090.9	ppb	47.1750	0.3	3742341
Mo 202.032	115.459	ppb	0.8730	0.8	703.629
Na 330.237	10212.5	ppb	58.9693	0.6	328.204
Ni 231.604	229.067	ppb	3.2212	1.4	659.054
Pb 220.353	1771.24	ppb	10.5987	0.6	2503.76
Sb 206.834	109.802	ppb	3.4660	3.2	160.491
Se 196.026	95.4212	ppb	11.0229	11.6	45.8971
Sn 189.925	214.942	ppb	4.3184	2.0	135.951
Sr 216.596	498.585	ppb	1.4519	0.3	5883.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1275.61	ppb	1.0933	0.1	353982
Tl 190.794	15.4166	ppb	1.2273	8.0	-28.4064
V 292.401	548.915	ppb	1.2435	0.2	14339.9
Zn 206.200	3546.24	ppb	4.6685	0.1	3184.50

680-106200-b-18-b ms (Samp) **10/15/2014, 5:25:42 PM** **Rack 2, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	47.6546	46.9574	47.4637
Al 308.215	140475	140492	140555
As 188.980	412.175	406.232	410.040
B 249.678	166.810	165.834	166.987
Ba 389.178	2610.70	2613.07	2608.83
Be 313.042	60.4453	60.5774	60.5811
Ca 370.602	96919	97321	97240
Cd 226.502	51.3482	50.7762	50.7795
Co 228.615	170.262	171.240	172.018
Cr 267.716	427.337	429.292	428.858
Cu 324.754	638.310	630.909	633.117
Fe 271.441	457755	456344	455147
K 766.491	16322.1	16345.6	16318.1
Mg 279.078	40542.1	40620.3	40566.3
Mn 257.610	13782.4	13783.3	13801.0
Mo 202.032	110.502	109.672	109.959
Na 330.237	6251.97	5947.92	6138.17
Ni 231.604	224.932	224.677	224.260
Pb 220.353	1942.79	1943.13	1943.26
Sb 206.834	28.3674	27.2634	28.8755
Se 196.026	96.3892	90.9810	86.0011
Sn 189.925	362.857	361.793	365.463
Sr 216.596	467.897	468.712	468.347
Ti 334.941	1176.08	1177.67	1177.00
Tl 190.794	19.4593u	14.3974u	28.2633u
V 292.401	647.952	649.614	648.822
Zn 206.200	3389.06	3426.32	3388.11

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.3586	ppb	0.3603	0.8	3632.35
Al 308.215	140507	ppb	41.8120	0.0	931007
As 188.980	409.482	ppb	3.0108	0.7	216.019
B 249.678	166.544	ppb	0.6209	0.4	1596.54
Ba 389.178	2610.87	ppb	2.1282	0.1	53182.0
Be 313.042	60.5346	ppb	0.0774	0.1	98269.0
Ca 370.602	97160	ppb	212.8	0.2	220866
Cd 226.502	50.9680	ppb	0.3293	0.6	3551.96
Co 228.615	171.173	ppb	0.8800	0.5	1834.88
Cr 267.716	428.495	ppb	1.0265	0.2	21552.3
Cu 324.754	634.112	ppb	3.7997	0.6	44908.2
Fe 271.441	456415	ppb	1305.46	0.3	642781
K 766.491	16328.6	ppb	14.8869	0.1	698833
Mg 279.078	40576.3	ppb	40.0117	0.1	98297.8
Mn 257.610	13788.9	ppb	10.5178	0.1	2853069
Mo 202.032	110.044	ppb	0.4219	0.4	667155

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	6112.69	ppb	153.614	2.5	120.108
Ni 231.604	224.623	ppb	0.3394	0.2	651.980
Pb 220.353	1943.06	ppb	0.2408	0.0	2743.96
Sb 206.834	28.1688	ppb	0.8242	2.9	54.8398
Se 196.026	91.1238	ppb	5.1955	5.7	43.9298
Sn 189.925	363.371	ppb	1.8881	0.5	233.539
Sr 216.596	468.319	ppb	0.4084	0.1	5634.15
Ti 334.941	1176.92	ppb	0.7965	0.1	326636
Tl 190.794	20.7067	ppb	7.0166	33.9	-33.2255
V 292.401	648.796	ppb	0.8312	0.1	16953.0
Zn 206.200	3401.16	ppb	21.7896	0.6	3051.09

Cont Calib Verif (CCV) **10/15/2014, 5:29:58 PM** **Rack 2, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	489.109	488.109	490.568
Al 308.215	4810.93	4818.12	4819.76
As 188.980	449.552	460.383	458.518
B 249.678	480.575	482.165	483.897
Ba 389.178	4796.52	4801.03	4793.57
Be 313.042	484.121	483.215	484.087
Ca 370.602	4845	4853	4859
Cd 226.502	484.328	484.012	483.996
Co 228.615	493.253	492.544	492.969
Cr 267.716	4841.82	4842.56	4843.38
Cu 324.754	4974.05	5036.12	5014.26
Fe 271.441	4875.45	4884.57	4894.58
K 766.491	10036.1	10039.7	10080.9
Mg 279.078	4832.39	4842.27	4847.26
Mn 257.610	4959.38	4951.03	4966.87
Mo 202.032	486.050	487.764	490.558
Na 330.237	7571.61	7382.74	7602.62
Ni 231.604	2455.17	2462.38	2456.61
Pb 220.353	488.663	495.462	494.566
Sb 206.834	916.889	922.437	916.746
Se 196.026	4786.82	4772.20	4788.72
Sn 189.925	4884.34	4874.42	4847.73
Sr 216.596	2401.79	2406.68	2403.24
Ti 334.941	478.635	479.143	479.524
Tl 190.794	4963.62	4959.56	4965.17
V 292.401	4831.93	4837.87	4842.23
Zn 206.200	2413.15	2414.05	2400.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	489.262	ppb	1.2370	0.3	37788.6	97.85235
Al 308.215	4816.27	ppb	4.7002	0.1	32769.9	96.32539
As 188.980	456.151	ppb	5.7906	1.3	242.208	91.23016
B 249.678	482.212	ppb	1.6617	0.3	7329.07	96.44246
Ba 389.178	4797.04	ppb	3.7604	0.1	97259.9	95.94083
Be 313.042	483.808	ppb	0.5138	0.1	787481	96.76152
Ca 370.602	4853	ppb	7.026	0.1	11486	97.05009
Cd 226.502	484.112	ppb	0.1871	0.0	18148.3	96.82238
Co 228.615	492.922	ppb	0.3569	0.1	5142.10	98.58446

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	4842.59	ppb	0.7821	0.0	240304	96.85175
Cu 324.754	5008.14	ppb	31.4840	0.6	351456	100.16280
Fe 271.441	4884.87	ppb	9.5691	0.2	6982.86	97.69737
K 766.491	10052.2	ppb	24.8460	0.2	430342	100.52243
Mg 279.078	4840.64	ppb	7.5648	0.2	11686.5	96.81277
Mn 257.610	4959.09	ppb	7.9246	0.2	1025589	99.18182
Mo 202.032	488.124	ppb	2.2755	0.5	3021.96	97.62474
Na 330.237	7518.99	ppb	119.011	1.6	320.088	100.25315
Ni 231.604	2458.05	ppb	3.8161	0.2	6803.74	98.32216
Pb 220.353	492.897	ppb	3.6945	0.7	706.442	98.57942
Sb 206.834	918.690	ppb	3.2449	0.4	1256.70	91.86905
Se 196.026	4782.58	ppb	9.0405	0.2	1845.09	95.65159
Sn 189.925	4868.83	ppb	18.9330	0.4	3195.81	97.37661
Sr 216.596	2403.90	ppb	2.5074	0.1	26208.2	96.15615
Ti 334.941	479.101	ppb	0.4462	0.1	132888	95.82018
Tl 190.794	4962.78	ppb	2.8996	0.1	4854.00	99.25565
V 292.401	4837.34	ppb	5.1739	0.1	125093	96.74687
Zn 206.200	2409.20	ppb	7.6461	0.3	2162.10	96.36782

Cont Calib Blank (CCB) **10/15/2014, 5:34:15 PM** **Rack 2, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.1262	0.0212	0.1456
Al 308.215	7.9571	10.4786	11.4228
As 188.980	2.3408	3.8292	6.3563
B 249.678	10.4861	8.5923	8.5141
Ba 389.178	0.4737	0.8847	0.2434
Be 313.042	0.0362	0.0495	0.0548
Ca 370.602	0.4883	3.822	6.681
Cd 226.502	0.1339	0.1474	-0.0097u
Co 228.615	0.3460	0.1243	0.2567
Cr 267.716	0.2035	0.3815	0.2344
Cu 324.754	0.2854	0.3741	0.5206
Fe 271.441	11.2497	7.6675	10.9714
K 766.491	-1.0498u	-0.7898u	-0.8085u
Mg 279.078	-2.7474u	-0.5943u	1.4652
Mn 257.610	0.5337	0.7581	0.8223
Mo 202.032	1.1502	0.4693	0.9843
Na 330.237	-133.927u	-79.4157u	-131.864u
Ni 231.604	0.6478	0.0092	1.0977
Pb 220.353	1.4367	-0.3604u	1.6407
Sb 206.834	6.1745	4.3118	3.6156
Se 196.026	3.3491	2.4810	3.2662
Sn 189.925	-0.0646u	0.6840	1.1756
Sr 216.596	0.7095	0.5474	0.3089
Ti 334.941	0.1380	0.1530	0.2343
Tl 190.794	1.6981	2.8833	-2.2914u
V 292.401	0.3605	0.4592	0.5605
Zn 206.200	1.0865	1.5833	1.8959

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0977	ppb	0.0669	68.5	-2.9180	0.09767
Al 308.215	9.9528	ppb	1.7917	18.0	460.336	9.95283

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	4.1755	ppb	2.0300	48.6	-0.1721	4.17545
B 249.678	9.1975	ppb	1.1166	12.1	174.585	9.19748
Ba 389.178	0.5339	ppb	0.3249	60.9	-39.9432	0.53392
Be 313.042	0.0468	ppb	0.0096	20.4	-240.885	0.04684
Ca 370.602	3.664	ppb	3.100	84.6	19.56	3.66381
Cd 226.502	0.0905	ppb	0.0871	96.2	16.6365	0.09054
Co 228.615	0.2423	ppb	0.1115	46.0	5.6592	0.24234
Cr 267.716	0.2731	ppb	0.0951	34.8	44.6879	0.27315
Cu 324.754	0.3934	ppb	0.1188	30.2	277.515	0.39338
Fe 271.441	9.9629	ppb	1.9927	20.0	20.8874	9.96287
K 766.491	-0.8827	ppb	0.1450	16.4	287.322	-0.88270
Mg 279.078	-0.6255	ppb	2.1064	336.8	17.3956	-0.62549
Mn 257.610	0.7047	ppb	0.1515	21.5	186.463	0.70470
Mo 202.032	0.8679	ppb	0.3550	40.9	11.6457	0.86794
Na 330.237	-115.069	ppb	30.8937	26.8	16.4975	-115.06884
Ni 231.604	0.5849	ppb	0.5470	93.5	-3.1561	0.58488
Pb 220.353	0.9057	ppb	1.1012	121.6	1.7255	0.90569
Sb 206.834	4.7006	ppb	1.3230	28.1	7.3088	4.70064
Se 196.026	3.0321	ppb	0.4790	15.8	3.9077	3.03211
Sn 189.925	0.5984	ppb	0.6245	104.4	-4.9794	0.59835
Sr 216.596	0.5219	ppb	0.2015	38.6	8.0764	0.52191
Ti 334.941	0.1751	ppb	0.0518	29.6	-13.2796	0.17511
Tl 190.794	0.7633	ppb	2.7110	355.2	-5.2181	0.76332
V 292.401	0.4600	ppb	0.1000	21.7	4.6868	0.46004
Zn 206.200	1.5219	ppb	0.4082	26.8	2.5784	1.52192

680-106200-b-18-c ms (Samp) **10/15/2014, 5:38:31 PM** **Rack 2, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	46.9671	47.0631	47.5794
Al 308.215	142314	142259	142353
As 188.980	359.124	354.219	355.146
B 249.678	159.468	160.594	162.176
Ba 389.178	3349.11	3352.91	3351.58
Be 313.042	58.7331	58.8328	58.8653
Ca 370.602	103752	103774	103534
Cd 226.502	53.3417	53.8554	53.4923
Co 228.615	170.531	171.382	170.907
Cr 267.716	385.387	385.407	385.394
Cu 324.754	618.380	618.006	623.513
Fe 271.441	355733	356234	356047
K 766.491	16924.9	16947.4	16990.7
Mg 279.078	37689.1	37675.7	37679.0
Mn 257.610	22384.7	22375.2	22386.5
Mo 202.032	112.757	112.072	114.618
Na 330.237	6316.55	5951.99	6069.02
Ni 231.604	245.139	242.411	245.221
Pb 220.353	2092.02	2081.37	2078.50
Sb 206.834	28.1342	30.6982	25.0815
Se 196.026	88.4167	97.3989	83.2352
Sn 189.925	321.221	323.984	319.960
Sr 216.596	455.741	455.514	455.138
Ti 334.941	1063.58	1064.20	1066.22

Label	Replicates Concentration		
Tl 190.794	31.6039u	26.6356u	27.1408u
V 292.401	527.914	526.576	528.878
Zn 206.200	3824.63	3835.07	3802.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.2032	ppb	0.3293	0.7	3676.60
Al 308.215	142309	ppb	46.9792	0.0	942748
As 188.980	356.163	ppb	2.6060	0.7	187.959
B 249.678	160.746	ppb	1.3602	0.8	1719.85
Ba 389.178	3351.20	ppb	1.9276	0.1	68142.8
Be 313.042	58.8104	ppb	0.0689	0.1	95459.2
Ca 370.602	103687	ppb	132.5	0.1	237069
Cd 226.502	53.5631	ppb	0.2641	0.5	3289.78
Co 228.615	170.940	ppb	0.4265	0.2	1823.95
Cr 267.716	385.396	ppb	0.0101	0.0	19408.6
Cu 324.754	619.966	ppb	3.0773	0.5	43876.3
Fe 271.441	356005	ppb	253.243	0.1	501376
K 766.491	16954.4	ppb	33.4457	0.2	725602
Mg 279.078	37681.3	ppb	6.9778	0.0	91106.1
Mn 257.610	22382.2	ppb	6.0748	0.0	4629774
Mo 202.032	113.149	ppb	1.3173	1.2	690.776
Na 330.237	6112.52	ppb	186.131	3.0	133.538
Ni 231.604	244.257	ppb	1.5989	0.7	698.696
Pb 220.353	2083.96	ppb	7.1201	0.3	2952.52
Sb 206.834	27.9713	ppb	2.8119	10.1	51.0466
Se 196.026	89.6836	ppb	7.1664	8.0	44.2567
Sn 189.925	321.722	ppb	2.0583	0.6	206.155
Sr 216.596	455.464	ppb	0.3044	0.1	5388.13
Ti 334.941	1064.67	ppb	1.3825	0.1	295473
Tl 190.794	28.4601	ppb	2.7343	9.6	-9.8604
V 292.401	527.789	ppb	1.1560	0.2	13780.4
Zn 206.200	3820.85	ppb	16.4319	0.4	3433.68

680-106200-b-31-a (Samp) **10/15/2014, 5:42:48 PM** **Rack 2, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-0.5024	0.0764	-0.0068
Al 308.215	102700	102786	102784
As 188.980	279.982	278.527	293.606
B 249.678	96.7567	98.3802	97.9678
Ba 389.178	4268.02	4268.68	4264.91
Be 313.042	14.1522	14.1638	14.1253
Ca 370.602	73047	72839	72871
Cd 226.502	18.2306	17.8482	18.3134
Co 228.615	253.461	253.221	253.571
Cr 267.716	274.004	273.382	273.089
Cu 324.754	701.895	706.610	701.932
Fe 271.441	253090	253274	253209
K 766.491	10754.8	10757.2	10734.7
Mg 279.078	10383.3	10382.6	10390.8
Mn 257.610	30872.9x	30945.3x	31028.6x
Mo 202.032	35.4695	34.8231	34.1828
Na 330.237	1839.58u	1758.93u	1769.96u

Label	Replicates Concentration		
Ni 231.604	167.788	164.894	168.361
Pb 220.353	2263.18	2250.85	2249.76
Sb 206.834	36.6311	40.1227	36.3032
Se 196.026	8.8741	0.4130	-0.5866
Sn 189.925	168.676	174.827	174.660
Sr 216.596	891.300	894.101	891.674
Ti 334.941	1721.65	1719.67	1714.78
Tl 190.794	1.5067u	3.2018u	3.0066u
V 292.401	414.168	413.472	413.494
Zn 206.200	4269.91	4285.09	4280.77

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1443b	ppb	0.3129	216.8	57.9921
Al 308.215	102756b	ppb	48.7296	0.0	680831
As 188.980	284.038b	ppb	8.3179	2.9	149.492
B 249.678	97.7016b	ppb	0.8438	0.9	982.054
Ba 389.178	4267.21b	ppb	2.0140	0.0	86634.3
Be 313.042	14.1471b	ppb	0.0197	0.1	22743.1
Ca 370.602	72919b	ppb	111.6	0.2	167356
Cd 226.502	18.1307b	ppb	0.2482	1.4	1596.65
Co 228.615	253.418b	ppb	0.1790	0.1	2691.14
Cr 267.716	273.492b	ppb	0.4677	0.2	13851.3
Cu 324.754	703.479b	ppb	2.7120	0.4	49689.7
Fe 271.441	253191b	ppb	93.2100	0.0	356596
K 766.491	10748.9b	ppb	12.3388	0.1	460143
Mg 279.078	10385.5b	ppb	4.5365	0.0	24645.9
Mn 257.610	30948.9xb	ppb	77.9159	0.3	6400821
Mo 202.032	34.8251b	ppb	0.6434	1.8	210.573
Na 330.237	1789.49b	ppb	43.7277	2.4	-61.7764
Ni 231.604	167.014b	ppb	1.8584	1.1	476.688
Pb 220.353	2254.59b	ppb	7.4513	0.3	3203.81
Sb 206.834	37.6856b	ppb	2.1169	5.6	60.7890
Se 196.026	2.9002b	ppb	5.1976	179.2	11.7172
Sn 189.925	172.721b	ppb	3.5039	2.0	108.188
Sr 216.596	892.358b	ppb	1.5207	0.2	10044.3
Ti 334.941	1718.70b	ppb	3.5336	0.2	476896
Tl 190.794	2.5717b	ppb	0.9275	36.1	-18.6184
V 292.401	413.711b	ppb	0.3955	0.1	10813.8
Zn 206.200	4278.59b	ppb	7.8188	0.2	3850.84

680-106200-b-31-b ms (Samp) **10/15/2014, 5:47:04 PM** **Rack 2, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	48.6338	48.5217	47.6977
Al 308.215	109994	110414	110340
As 188.980	381.217	379.522	378.421
B 249.678	214.795	216.193	217.439
Ba 389.178	3027.53	3037.50	3040.86
Be 313.042	57.2627	57.3620	57.4525
Ca 370.602	80619	80669	80713
Cd 226.502	63.8844	64.2920	64.4073
Co 228.615	151.140	150.193	150.858
Cr 267.716	399.320	400.696	401.024

Label	Replicates Concentration		
Cu 324.754	817.148	820.740	823.159
Fe 271.441	285467	285819	286318
K 766.491	15281.1	15285.0	15289.1
Mg 279.078	14604.4	14633.6	14637.4
Mn 257.610	14529.1	14638.3	14660.0
Mo 202.032	108.266	109.296	107.926
Na 330.237	6553.75	6827.06	6707.49
Ni 231.604	244.383	247.645	245.511
Pb 220.353	2832.43	2836.65	2840.09
Sb 206.834	51.0845	48.5811	55.0021
Se 196.026	81.1111	90.6173	89.0913
Sn 189.925	430.107	422.361	422.235
Sr 216.596	904.502	906.317	908.055
Ti 334.941	1706.29	1711.50	1714.63
Tl 190.794	30.7302	28.2444	25.8044u
V 292.401	453.216	453.212	453.303
Zn 206.200	4671.03	4667.42	4684.33

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.2844	ppb	0.5112	1.1	3721.06
Al 308.215	110249	ppb	224.003	0.2	730475
As 188.980	379.720	ppb	1.4085	0.4	200.698
B 249.678	216.142	ppb	1.3229	0.6	2704.92
Ba 389.178	3035.29	ppb	6.9336	0.2	61671.5
Be 313.042	57.3591	ppb	0.0949	0.2	93088.9
Ca 370.602	80667	ppb	47.31	0.1	184611
Cd 226.502	64.1946	ppb	0.2747	0.4	3436.82
Co 228.615	150.730	ppb	0.4859	0.3	1621.57
Cr 267.716	400.347	ppb	0.9044	0.2	20086.8
Cu 324.754	820.349	ppb	3.0248	0.4	57902.3
Fe 271.441	285868	ppb	427.936	0.1	402603
K 766.491	15285.1	ppb	3.9634	0.0	654192
Mg 279.078	14625.1	ppb	18.0599	0.1	35244.7
Mn 257.610	14609.1	ppb	70.1459	0.5	3022006
Mo 202.032	108.496	ppb	0.7135	0.7	665.047
Na 330.237	6696.10	ppb	137.015	2.0	155.446
Ni 231.604	245.846	ppb	1.6567	0.7	697.778
Pb 220.353	2836.39	ppb	3.8370	0.1	4028.37
Sb 206.834	51.5559	ppb	3.2363	6.3	80.2822
Se 196.026	86.9399	ppb	5.1052	5.9	41.1810
Sn 189.925	424.901	ppb	4.5091	1.1	273.994
Sr 216.596	906.291	ppb	1.7769	0.2	10231.1
Ti 334.941	1710.80	ppb	4.2165	0.2	474716
Tl 190.794	28.2597	ppb	2.4629	8.7	-5.2949
V 292.401	453.244	ppb	0.0519	0.0	11832.9
Zn 206.200	4674.26	ppb	8.9007	0.2	4206.24

680-106200-b-31-c ms (Samp) **10/15/2014, 5:51:21 PM** **Rack 2, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	45.7835	46.8408	47.2611
Al 308.215	125968	126108	126126
As 188.980	312.147	306.905	320.633

Label	Replicates Concentration		
B 249.678	266.221	267.331	267.297
Ba 389.178	3457.87	3464.70	3466.08
Be 313.042	58.6091	58.6278	58.6328
Ca 370.602	159295	158978	158033
Cd 226.502	56.5612	56.8216	57.1576
Co 228.615	120.130	117.607	119.355
Cr 267.716	326.839	326.482	325.661
Cu 324.754	698.340	691.662	698.693
Fe 271.441	238784	238755	238865
K 766.491	17157.6	17175.3	17160.2
Mg 279.078	28470.1	28503.7	28501.7
Mn 257.610	9067.10	9079.67	9088.91
Mo 202.032	98.6270	100.859	101.123
Na 330.237	6711.03	6965.98	7006.05
Ni 231.604	207.558	207.605	207.688
Pb 220.353	2340.02	2347.55	2337.25
Sb 206.834	46.9833	45.0202	46.4443
Se 196.026	100.353	88.0163	82.1947
Sn 189.925	365.090	370.699	365.625
Sr 216.596	1227.72	1229.31	1229.05
Ti 334.941	1860.19	1863.57	1860.85
Tl 190.794	30.6503	25.5314	28.4438
V 292.401	403.155	404.304	403.328
Zn 206.200	3947.75	3922.33	3934.47

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.6285	ppb	0.7614	1.6	3563.98
Al 308.215	126067	ppb	86.0659	0.1	835064
As 188.980	313.228	ppb	6.9276	2.2	165.409
B 249.678	266.950	ppb	0.6308	0.2	3571.64
Ba 389.178	3462.88	ppb	4.3983	0.1	70337.7
Be 313.042	58.6232	ppb	0.0125	0.0	95173.1
Ca 370.602	158769	ppb	656.3	0.4	365556
Cd 226.502	56.8468	ppb	0.2990	0.5	2994.20
Co 228.615	119.031	ppb	1.2923	1.1	1291.49
Cr 267.716	326.327	ppb	0.6043	0.2	16369.6
Cu 324.754	696.232	ppb	3.9612	0.6	49178.1
Fe 271.441	238801	ppb	56.8080	0.0	336317
K 766.491	17164.4	ppb	9.5798	0.1	734586
Mg 279.078	28491.8	ppb	18.8289	0.1	69030.3
Mn 257.610	9078.56	ppb	10.9434	0.1	1878302
Mo 202.032	100.203	ppb	1.3712	1.4	615.779
Na 330.237	6894.35	ppb	160.024	2.3	194.050
Ni 231.604	207.617	ppb	0.0654	0.0	588.367
Pb 220.353	2341.61	ppb	5.3307	0.2	3324.34
Sb 206.834	46.1493	ppb	1.0142	2.2	71.0872
Se 196.026	90.1879	ppb	9.2717	10.3	41.0142
Sn 189.925	367.138	ppb	3.0954	0.8	236.016
Sr 216.596	1228.69	ppb	0.8501	0.1	13731.2
Ti 334.941	1861.54	ppb	1.7934	0.1	516561
Tl 190.794	28.2085	ppb	2.5676	9.1	-2.3461
V 292.401	403.595	ppb	0.6196	0.2	10536.0
Zn 206.200	3934.85	ppb	12.7113	0.3	3541.15

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680-106200-b-13-a (Samp) **10/15/2014, 5:57:30 PM** **Rack 2, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-1.1649u	-1.3273u	-0.5588u
Al 308.215	169861	169848	169913
As 188.980	329.985	322.788	334.661
B 249.678	124.562	127.042	126.400
Ba 389.178	1406.73	1405.74	1404.68
Be 313.042	19.3310	19.1905	19.2994
Ca 370.602	342542	341694	340287
Cd 226.502	1.4904	1.8705	2.0753
Co 228.615	54.3155	54.3821	54.1461
Cr 267.716	303.237	303.356	302.769
Cu 324.754	259.590	261.017	260.353
Fe 271.441	338914	338820	338328
K 766.491	18185.8	18142.0	18120.1
Mg 279.078	23302.3	23275.0	23316.5
Mn 257.610	6393.01	6373.71	6367.19
Mo 202.032	14.8893	14.4129	14.9496
Na 330.237	1955.42u	2134.00u	2312.60u
Ni 231.604	87.2317	83.0566	87.1379
Pb 220.353	1215.82	1212.74	1218.79
Sb 206.834	8.7130	2.7090	3.2774
Se 196.026	2.6550	9.4540	9.4142
Sn 189.925	120.145	121.170	128.365
Sr 216.596	759.411	759.802	760.478
Ti 334.941	2172.09	2161.41	2164.52
Tl 190.794	-12.2103u	-9.7435u	-14.1213u
V 292.401	444.472	444.720	443.369
Zn 206.200	2811.44	2818.11	2826.50

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0170	ppb	0.4050	39.8	-135.133
Al 308.215	169874	ppb	34.1940	0.0	1125117
As 188.980	329.144	ppb	5.9812	1.8	173.810
B 249.678	126.002	ppb	1.2871	1.0	1229.78
Ba 389.178	1405.72	ppb	1.0248	0.1	28658.7
Be 313.042	19.2737	ppb	0.0737	0.4	31185.2
Ca 370.602	341508	ppb	1139	0.3	787068
Cd 226.502	1.8121	ppb	0.2968	16.4	1292.21
Co 228.615	54.2812	ppb	0.1216	0.2	631.367
Cr 267.716	303.121	ppb	0.3104	0.1	15251.2
Cu 324.754	260.320	ppb	0.7143	0.3	18642.3
Fe 271.441	338687	ppb	314.904	0.1	476976
K 766.491	18149.3	ppb	33.4545	0.2	776719
Mg 279.078	23297.9	ppb	21.0670	0.1	56446.1
Mn 257.610	6377.97	ppb	13.4268	0.2	1320092
Mo 202.032	14.7506	ppb	0.2940	2.0	82.6590
Na 330.237	2134.01	ppb	178.592	8.4	-30.0049
Ni 231.604	85.8088	ppb	2.3839	2.8	258.733
Pb 220.353	1215.78	ppb	3.0278	0.2	1711.85
Sb 206.834	4.8998	ppb	3.3145	67.6	20.7727
Se 196.026	7.1744	ppb	3.9140	54.6	9.2974
Sn 189.925	123.227	ppb	4.4794	3.6	75.6466
Sr 216.596	759.897	ppb	0.5398	0.1	8783.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	2166.00	ppb	5.4929	0.3	601050
Tl 190.794	-12.0250	ppb	2.1948	18.3	-54.7772
V 292.401	444.187	ppb	0.7192	0.2	11642.7
Zn 206.200	2818.68	ppb	7.5468	0.3	2530.41

680-106200-b-29-a (Samp) **10/15/2014, 6:01:47 PM** **Rack 2, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-1.8959u	-1.6418u	-1.7053u
Al 308.215	111298	111293	111401
As 188.980	475.363	485.528	485.413
B 249.678	15.9887u	16.8835u	15.1117u
Ba 389.178	424.787	424.701	424.160
Be 313.042	6.6340	6.6308	6.6347
Ca 370.602	17923	17849	17859
Cd 226.502	-3.9988	-3.9460	-4.2678
Co 228.615	91.3935	90.8587	90.8956
Cr 267.716	327.954	327.546	327.710
Cu 324.754	244.247	245.901	245.496
Fe 271.441	438712	437299	437951
K 766.491	5288.73	5297.99	5307.73
Mg 279.078	9194.98	9206.22	9197.88
Mn 257.610	3832.28	3831.57	3823.73
Mo 202.032	17.8149	18.4334	18.1097
Na 330.237	336.464u	433.683u	259.478u
Ni 231.604	92.1353	91.2570	91.2761
Pb 220.353	187.108	186.001	188.643
Sb 206.834	2.5459	5.1465	-1.4988
Se 196.026	9.6313	0.2344	-0.9159
Sn 189.925	23.3296	26.2380	24.3708
Sr 216.596	68.6474	67.7154	68.2931
Ti 334.941	1081.66	1080.54	1081.51
Tl 190.794	-11.5844u	-9.7650u	-15.8483u
V 292.401	625.684	625.274	624.452
Zn 206.200	364.533	364.675	365.859

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7477	ppb	0.1322	7.6	-196.764
Al 308.215	111331	ppb	60.9718	0.1	737899
As 188.980	482.101	ppb	5.8360	1.2	254.849
B 249.678	15.9947	ppb	0.8859	5.5	-641.951
Ba 389.178	424.549	ppb	0.3396	0.1	8791.30
Be 313.042	6.6332	ppb	0.0021	0.0	10509.2
Ca 370.602	17877	ppb	40.39	0.2	37530
Cd 226.502	-4.0709	ppb	0.1726	4.2	1426.55
Co 228.615	91.0493	ppb	0.2987	0.3	999.602
Cr 267.716	327.736	ppb	0.2053	0.1	16500.3
Cu 324.754	245.214	ppb	0.8620	0.4	17621.5
Fe 271.441	437987	ppb	707.148	0.2	616820
K 766.491	5298.15	ppb	9.5020	0.2	226970
Mg 279.078	9199.69	ppb	5.8351	0.1	22261.3
Mn 257.610	3829.19	ppb	4.7424	0.1	793202
Mo 202.032	18.1193	ppb	0.3094	1.7	99.0935

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	343.208	ppb	87.2980	25.4	-75.8288
Ni 231.604	91.5561	ppb	0.5017	0.5	282.130
Pb 220.353	187.251	ppb	1.3268	0.7	240.005
Sb 206.834	2.0646	ppb	3.3487	162.2	20.1713
Se 196.026	2.9833	ppb	5.7860	193.9	7.9457
Sn 189.925	24.6461	ppb	1.4736	6.0	10.8309
Sr 216.596	68.2186	ppb	0.4704	0.7	1220.95
Ti 334.941	1081.24	ppb	0.6047	0.1	300031
Tl 190.794	-12.3992	ppb	3.1224	25.2	-67.8871
V 292.401	625.137	ppb	0.6275	0.1	16350.5
Zn 206.200	365.022	ppb	0.7282	0.2	312.935

680-106200-b-7-a (Samp) **10/15/2014, 6:06:03 PM** **Rack 2, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-1.9144u	-2.0261u	-2.6320u
Al 308.215	129153	129359	129427
As 188.980	295.827	292.993	300.755
B 249.678	18.7148u	18.7739u	19.5628u
Ba 389.178	445.954	446.961	447.373
Be 313.042	8.4178	8.4200	8.3966
Ca 370.602	20682	20639	20570
Cd 226.502	-4.3223	-4.1941	-3.4803
Co 228.615	130.580	130.160	130.059
Cr 267.716	499.818	500.870	500.470
Cu 324.754	183.953	183.175	184.271
Fe 271.441	518044	520063	518382
K 766.491	6111.56	6134.63	6136.52
Mg 279.078	7754.80	7764.00	7735.97
Mn 257.610	4549.79	4559.51	4556.54
Mo 202.032	18.1481	17.8963	18.6688
Na 330.237	442.445u	354.598u	93.6726u
Ni 231.604	106.548	107.754	107.151
Pb 220.353	261.184	260.139	262.404
Sb 206.834	5.3209	0.1224	1.5962
Se 196.026	1.8012	4.7337	-1.4094
Sn 189.925	71.3842	65.8821	71.1207
Sr 216.596	117.489	117.241	116.619
Ti 334.941	1006.71	1008.74	1007.44
Tl 190.794	-15.2414u	-19.5684u	-18.3425u
V 292.401	710.832	710.955	712.703
Zn 206.200	440.372	437.608	437.999

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1908	ppb	0.3861	17.6	-241.538
Al 308.215	129313	ppb	142.782	0.1	857035
As 188.980	296.525	ppb	3.9279	1.3	155.016
B 249.678	19.0172	ppb	0.4734	2.5	-765.885
Ba 389.178	446.763	ppb	0.7298	0.2	9280.52
Be 313.042	8.4115	ppb	0.0129	0.2	13407.8
Ca 370.602	20630	ppb	56.72	0.3	43094
Cd 226.502	-3.9989	ppb	0.4537	11.3	1718.15
Co 228.615	130.267	ppb	0.2763	0.2	1412.02

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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

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

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	226.626	ppb	0.1399	0.1	11432.1
Cu 324.754	254.060	ppb	1.0062	0.4	18204.7
Fe 271.441	344940	ppb	325.432	0.1	485779
K 766.491	6231.35	ppb	7.8091	0.1	266891
Mg 279.078	5667.19	ppb	9.7834	0.2	13723.0
Mn 257.610	1390.57	ppb	1.0349	0.1	288622
Mo 202.032	15.0607	ppb	0.3977	2.6	84.2997
Na 330.237	320.056	ppb	111.733	34.9	-53.4571
Ni 231.604	84.2032	ppb	1.2327	1.5	254.694
Pb 220.353	136.138	ppb	2.0323	1.5	172.262
Sb 206.834	3.9904	ppb	2.8497	71.4	18.8606
Se 196.026	7.0704	ppb	6.0905	86.1	8.3377
Sn 189.925	25.7092	ppb	1.4653	5.7	11.5300
Sr 216.596	63.9874	ppb	0.6231	1.0	1072.94
Ti 334.941	1041.17	ppb	0.7934	0.1	288896
Tl 190.794	-5.4659	ppb	1.4628	26.8	-51.2325
V 292.401	498.805	ppb	0.6424	0.1	13046.8
Zn 206.200	313.488	ppb	4.5726	1.5	270.295

680-106200-b-16-a (Samp) **10/15/2014, 6:44:33 PM** **Rack 2, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	0.5170	0.8536	1.3169
Al 308.215	125867	126119	125677
As 188.980	367.768	376.040	369.461
B 249.678	57.4260	57.5374	57.4950
Ba 389.178	3939.74	3943.65	3927.86
Be 313.042	14.6153	14.6334	14.5941
Ca 370.602	108693	108184	107849
Cd 226.502	10.8456	11.2774	11.9216
Co 228.615	141.703	142.139	140.981
Cr 267.716	428.496	428.567	426.956
Cu 324.754	739.607	729.715	727.661
Fe 271.441	381181	381352	381009
K 766.491	12077.1	12101.9	12113.7
Mg 279.078	13171.2	13161.4	13139.8
Mn 257.610	22611.6	22678.9	21819.1
Mo 202.032	23.8213	23.7031	23.7116
Na 330.237	2018.68u	1765.43u	1833.69u
Ni 231.604	229.757	227.985	230.154
Pb 220.353	2247.87	2242.70	2226.90
Sb 206.834	16.1793	18.2241	13.3708
Se 196.026	10.0269	5.7779	2.7009
Sn 189.925	189.026	188.236	190.088
Sr 216.596	670.107	670.836	669.799
Ti 334.941	1665.68	1666.40	1661.92
Tl 190.794	-12.1577u	-8.4649u	-8.2695u
V 292.401	403.011	402.059	403.319
Zn 206.200	4678.52	4684.88	4662.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8958	ppb	0.4016	44.8	84.6530
Al 308.215	125887	ppb	221.782	0.2	834107

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	371.090	ppb	4.3699	1.2	195.720
B 249.678	57.4861	ppb	0.0563	0.1	106.319
Ba 389.178	3937.08	ppb	8.2207	0.2	80006.1
Be 313.042	14.6143	ppb	0.0197	0.1	23515.2
Ca 370.602	108242	ppb	425.2	0.4	247571
Cd 226.502	11.3482	ppb	0.5415	4.8	1798.17
Co 228.615	141.608	ppb	0.5848	0.4	1533.83
Cr 267.716	428.007	ppb	0.9104	0.2	21536.5
Cu 324.754	732.328	ppb	6.3870	0.9	51765.4
Fe 271.441	381181	ppb	171.469	0.0	536826
K 766.491	12097.6	ppb	18.6939	0.2	517837
Mg 279.078	13157.5	ppb	16.0335	0.1	31530.7
Mn 257.610	22369.9	ppb	478.157	2.1	4627130
Mo 202.032	23.7453	ppb	0.0659	0.3	136.582
Na 330.237	1872.60	ppb	131.029	7.0	-97.2766
Ni 231.604	229.298	ppb	1.1550	0.5	659.206
Pb 220.353	2239.16	ppb	10.9244	0.5	3172.41
Sb 206.834	15.9247	ppb	2.4367	15.3	37.7338
Se 196.026	6.1686	ppb	3.6786	59.6	12.2909
Sn 189.925	189.117	ppb	0.9294	0.5	118.968
Sr 216.596	670.248	ppb	0.5322	0.1	7764.52
Ti 334.941	1664.67	ppb	2.4078	0.1	461923
Tl 190.794	-9.6307	ppb	2.1907	22.7	-50.0573
V 292.401	402.797	ppb	0.6569	0.2	10570.8
Zn 206.200	4675.14	ppb	11.7941	0.3	4203.34

680-106200-b-19-a (Samp) **10/15/2014, 6:48:50 PM** **Rack 2, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-2.9582u	-3.0565u	-3.5569u
Al 308.215	130074	130008	129987
As 188.980	284.344	269.648	279.284
B 249.678	30.9901u	31.2284u	30.6609u
Ba 389.178	2882.88	2882.29	2881.96
Be 313.042	14.7831	14.8078	14.7764
Ca 370.602	51397	51559	51438
Cd 226.502	7.6315	7.8664	7.7230
Co 228.615	135.970	134.433	135.407
Cr 267.716	361.376	361.963	361.033
Cu 324.754	464.308	465.610	467.625
Fe 271.441	394702	395637	394764
K 766.491	10818.4	10828.4	10842.0
Mg 279.078	13455.4	13442.5	13458.8
Mn 257.610	23590.2	23016.6	22936.2
Mo 202.032	27.2598	26.9804	26.3130
Na 330.237	1142.17u	1110.55u	914.874u
Ni 231.604	171.869	170.432	170.749
Pb 220.353	1762.21	1760.23	1751.10
Sb 206.834	6.4816	10.7752	4.0215
Se 196.026	3.7496	10.0728	5.7203
Sn 189.925	179.912	173.243	174.274
Sr 216.596	321.677	322.757	321.638
Ti 334.941	1029.67	1030.00	1029.16

Label	Replicates Concentration		
Tl 190.794	-1.6811u	-9.0462u	-3.3371u
V 292.401	459.257	459.563	457.706
Zn 206.200	3560.62	3581.20	3558.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.1905	ppb	0.3211	10.1	-218.782
Al 308.215	130023	ppb	45.2897	0.0	861504
As 188.980	277.759	ppb	7.4660	2.7	145.609
B 249.678	30.9598	ppb	0.2850	0.9	-324.471
Ba 389.178	2882.38	ppb	0.4678	0.0	58622.7
Be 313.042	14.7891	ppb	0.0165	0.1	23784.8
Ca 370.602	51465	ppb	84.44	0.2	115973
Cd 226.502	7.7403	ppb	0.1184	1.5	1713.47
Co 228.615	135.270	ppb	0.7778	0.6	1456.28
Cr 267.716	361.457	ppb	0.4707	0.1	18242.2
Cu 324.754	465.848	ppb	1.6708	0.4	33080.6
Fe 271.441	395034	ppb	522.816	0.1	556335
K 766.491	10829.6	ppb	11.8883	0.1	463596
Mg 279.078	13452.3	ppb	8.5823	0.1	32230.8
Mn 257.610	23181.0	ppb	356.626	1.5	4794902
Mo 202.032	26.8511	ppb	0.4865	1.8	155.145
Na 330.237	1055.86	ppb	123.120	11.7	-110.906
Ni 231.604	171.017	ppb	0.7549	0.4	498.848
Pb 220.353	1757.84	ppb	5.9250	0.3	2485.57
Sb 206.834	7.0928	ppb	3.4181	48.2	25.7669
Se 196.026	6.5142	ppb	3.2355	49.7	12.6847
Sn 189.925	175.810	ppb	3.5900	2.0	110.219
Sr 216.596	322.024	ppb	0.6352	0.2	3956.85
Ti 334.941	1029.61	ppb	0.4214	0.0	285710
Tl 190.794	-4.6881	ppb	3.8639	82.4	-46.5020
V 292.401	458.842	ppb	0.9956	0.2	12021.3
Zn 206.200	3566.79	ppb	12.5280	0.4	3203.04

680-106200-b-30-a (Samp) **10/15/2014, 6:53:06 PM** **Rack 2, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	-2.6342u	-2.2166u	-2.8896u
Al 308.215	158249	158224	158350
As 188.980	271.458	275.270	276.289
B 249.678	13.7815u	13.8137u	15.4737u
Ba 389.178	1309.36	1310.13	1309.94
Be 313.042	15.4712	15.5091	15.4740
Ca 370.602	67147	67132	66743
Cd 226.502	-2.9184	-2.8713	-2.2461
Co 228.615	140.055	138.866	138.892
Cr 267.716	546.468	546.365	545.105
Cu 324.754	170.069	172.048	169.651
Fe 271.441	575728	575687	576209
K 766.491	5919.74	5921.25	5925.60
Mg 279.078	17268.9	17235.3	17223.3
Mn 257.610	11165.4	11138.0	11145.5
Mo 202.032	12.8585	11.5925	12.4811
Na 330.237	341.601u	623.466u	455.206u

Label	Replicates Concentration		
Ni 231.604	99.9196	100.531	99.8233
Pb 220.353	409.312	417.273	412.705
Sb 206.834	0.9747	-3.6141	-3.1150
Se 196.026	8.3330	4.3687	5.8349
Sn 189.925	32.4064	35.7201	34.8005
Sr 216.596	155.351	154.641	154.881
Ti 334.941	792.803	794.266	793.061
Tl 190.794	-19.4955u	-18.4296u	-16.8780u
V 292.401	892.363	892.928	892.370
Zn 206.200	873.965	874.759	874.890

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.5802	ppb	0.3398	13.2	-250.440
Al 308.215	158275	ppb	66.4804	0.0	1048796
As 188.980	274.339	ppb	2.5469	0.9	143.062
B 249.678	14.3563	ppb	0.9678	6.7	-955.426
Ba 389.178	1309.81	ppb	0.4012	0.0	26825.0
Be 313.042	15.4848	ppb	0.0211	0.1	24944.8
Ca 370.602	67007	ppb	229.1	0.3	149809
Cd 226.502	-2.6786	ppb	0.3753	14.0	1970.36
Co 228.615	139.271	ppb	0.6791	0.5	1505.47
Cr 267.716	545.979	ppb	0.7590	0.1	27420.1
Cu 324.754	170.589	ppb	1.2808	0.8	12440.5
Fe 271.441	575875	ppb	290.687	0.1	811009
K 766.491	5922.20	ppb	3.0417	0.1	253666
Mg 279.078	17242.5	ppb	23.6317	0.1	41650.5
Mn 257.610	11149.6	ppb	14.1706	0.1	2307462
Mo 202.032	12.3107	ppb	0.6500	5.3	57.0134
Na 330.237	473.424	ppb	141.813	30.0	-114.041
Ni 231.604	100.091	ppb	0.3840	0.4	316.188
Pb 220.353	413.097	ppb	3.9951	1.0	554.794
Sb 206.834	-1.9181	ppb	2.5177	131.3	21.4655
Se 196.026	6.1789	ppb	2.0044	32.4	11.6246
Sn 189.925	34.3090	ppb	1.7106	5.0	17.1839
Sr 216.596	154.958	ppb	0.3613	0.2	2331.92
Ti 334.941	793.377	ppb	0.7808	0.1	220187
Tl 190.794	-18.2677	ppb	1.3162	7.2	-86.2912
V 292.401	892.554	ppb	0.3241	0.0	23317.8
Zn 206.200	874.538	ppb	0.5006	0.1	766.786

CRI (Samp) **10/15/2014, 6:57:23 PM** **Rack 2, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	10.6337	11.2039	10.5266
Al 308.215	228.804	229.509	230.628
As 188.980	28.9493	26.2916	23.0885
B 249.678	102.395	103.204	101.959
Ba 389.178	10.6057	9.5767	10.8280
Be 313.042	4.1638	4.1731	4.1321
Ca 370.602	528.4	538.3	526.7
Cd 226.502	5.2548	5.0585	5.2206
Co 228.615	10.2640	9.9137	10.5578
Cr 267.716	10.2271	10.4872	10.3409

Label	Replicates Concentration		
Cu 324.754	21.9370	22.1381	21.7848
Fe 271.441	111.301	99.8163	121.555
K 766.491	1082.15	1082.83	1071.61
Mg 279.078	518.601	521.257	516.693
Mn 257.610	12.5198	12.5559	12.7751
Mo 202.032	10.0381	10.2362	9.7838
Na 330.237	884.355	933.005	921.825
Ni 231.604	40.7199	42.6172	41.3699
Pb 220.353	11.0460	12.3205	13.1196
Sb 206.834	19.4630	22.7597	24.7900
Se 196.026	15.9896	27.7961	28.1782
Sn 189.925	54.0013	57.1086	56.2722
Sr 216.596	10.2624	10.4208	10.0501
Ti 334.941	10.7743	10.6626	10.6584
Tl 190.794	26.5001	28.0430	24.5468
V 292.401	10.3929	10.3810	10.2583
Zn 206.200	20.8404	19.1561	21.1605

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.7881	ppb	0.3641	3.4	823.643
Al 308.215	229.647	ppb	0.9195	0.4	1915.69
As 188.980	26.1098	ppb	2.9346	11.2	11.5946
B 249.678	102.519	ppb	0.6320	0.6	1585.72
Ba 389.178	10.3368	ppb	0.6676	6.5	159.637
Be 313.042	4.1563	ppb	0.0215	0.5	6448.60
Ca 370.602	531.2	ppb	6.245	1.2	1242
Cd 226.502	5.1780	ppb	0.1049	2.0	207.385
Co 228.615	10.2452	ppb	0.3225	3.1	109.823
Cr 267.716	10.3517	ppb	0.1304	1.3	544.796
Cu 324.754	21.9533	ppb	0.1772	0.8	1789.91
Fe 271.441	110.891	ppb	10.8752	9.8	164.197
K 766.491	1078.86	ppb	6.2935	0.6	46476.9
Mg 279.078	518.850	ppb	2.2922	0.4	1279.17
Mn 257.610	12.6169	ppb	0.1381	1.1	2653.88
Mo 202.032	10.0194	ppb	0.2268	2.3	68.2640
Na 330.237	913.061	ppb	25.4814	2.8	65.1528
Ni 231.604	41.5690	ppb	0.9642	2.3	110.362
Pb 220.353	12.1620	ppb	1.0458	8.6	17.7583
Sb 206.834	22.3376	ppb	2.6885	12.0	30.5322
Se 196.026	23.9880	ppb	6.9294	28.9	11.9790
Sn 189.925	55.7941	ppb	1.6079	2.9	31.3112
Sr 216.596	10.2444	ppb	0.1860	1.8	113.486
Ti 334.941	10.6984	ppb	0.0657	0.6	2907.56
Tl 190.794	26.3633	ppb	1.7521	6.6	19.8148
V 292.401	10.3441	ppb	0.0745	0.7	259.192
Zn 206.200	20.3856	ppb	1.0768	5.3	19.5673

mb 680-353262/1-a (Samp) **10/15/2014, 7:01:40 PM** **Rack 2, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	0.0929	0.2257	0.1680
Al 308.215	13.7687	12.8810	12.7680
As 188.980	1.3930	-3.9839u	-1.3873u

Label	Replicates Concentration		
B 249.678	2.8973	1.8897	2.1491
Ba 389.178	-0.3148u	-0.4665u	0.4699
Be 313.042	0.0190	0.0202	0.0174
Ca 370.602	16.95	11.83	18.28
Cd 226.502	0.0207	0.1029	-0.0965u
Co 228.615	-0.0070u	0.4065	0.3175
Cr 267.716	0.6469	0.4351	0.5319
Cu 324.754	0.3085	-0.1044u	0.1099
Fe 271.441	22.9631	24.8205	20.5785
K 766.491	7.4386	7.0876	7.5522
Mg 279.078	2.6402	3.7226	1.8952
Mn 257.610	0.5626	0.4766	0.4442
Mo 202.032	-0.3437u	-0.3317u	0.0863
Na 330.237	-15.2435u	-23.8368u	-0.0743u
Ni 231.604	1.5598	1.1465	0.8678
Pb 220.353	2.0331	3.0117	-0.3979u
Sb 206.834	2.8456	1.8443	1.5353
Se 196.026	-5.4661u	8.1271	-0.1752u
Sn 189.925	7.9705	6.4058	7.7183
Sr 216.596	-0.1045u	-0.1303u	0.1698
Ti 334.941	0.2852	0.2394	0.2880
Tl 190.794	-1.0366u	-1.0599u	2.2988
V 292.401	0.2679	0.1489	-0.1196u
Zn 206.200	2.3098	3.5451	3.5296

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1622	ppb	0.0666	41.1	2.0839
Al 308.215	13.1392	ppb	0.5480	4.2	481.341
As 188.980	-1.3261	ppb	2.6890	202.8	-3.1233
B 249.678	2.3120	ppb	0.5232	22.6	70.4093
Ba 389.178	-0.1038	ppb	0.5026	484.3	-52.8746
Be 313.042	0.0188	ppb	0.0014	7.4	-286.336
Ca 370.602	15.68	ppb	3.406	21.7	47.28
Cd 226.502	0.0090	ppb	0.1002	1111.3	13.6194
Co 228.615	0.2390	ppb	0.2176	91.1	5.6499
Cr 267.716	0.5380	ppb	0.1060	19.7	57.8388
Cu 324.754	0.1047	ppb	0.2065	197.3	257.232
Fe 271.441	22.7874	ppb	2.1265	9.3	38.9337
K 766.491	7.3595	ppb	0.2422	3.3	639.908
Mg 279.078	2.7526	ppb	0.9189	33.4	25.6058
Mn 257.610	0.4945	ppb	0.0612	12.4	143.034
Mo 202.032	-0.1963	ppb	0.2449	124.7	5.0595
Na 330.237	-13.0515	ppb	12.0319	92.2	21.3482
Ni 231.604	1.1914	ppb	0.3481	29.2	-1.4751
Pb 220.353	1.5490	ppb	1.7556	113.3	2.6436
Sb 206.834	2.0751	ppb	0.6850	33.0	3.8710
Se 196.026	0.8286	ppb	6.8520	826.9	3.0593
Sn 189.925	7.3649	ppb	0.8401	11.4	-0.5305
Sr 216.596	-0.0217	ppb	0.1663	767.5	2.1648
Ti 334.941	0.2709	ppb	0.0273	10.1	13.2928
Tl 190.794	0.0674	ppb	1.9325	2866.2	-5.8970
V 292.401	0.0991	ppb	0.1985	200.3	-4.4994
Zn 206.200	3.1282	ppb	0.7088	22.7	4.0266

lcs 680-353262/2-a (Samp) **10/15/2014, 7:05:57 PM** **Rack 2, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	48.4231	48.7521	49.1828
Al 308.215	4677.14	4689.89	4704.92
As 188.980	100.715	103.958	107.727
B 249.678	184.358	185.845	187.625
Ba 389.178	94.0638	94.7535	93.7273
Be 313.042	48.6698	48.7885	48.9754
Ca 370.602	4794	4832	4867
Cd 226.502	47.7705	48.4973	47.8491
Co 228.615	48.1402	49.0129	49.5872
Cr 267.716	96.8158	97.1879	97.8406
Cu 324.754	100.624	101.117	101.930
Fe 271.441	4791.15	4804.56	4826.78
K 766.491	4923.05	4926.23	4951.15
Mg 279.078	4683.04	4694.32	4715.17
Mn 257.610	501.958	504.022	505.569
Mo 202.032	96.1202	95.5007	96.2055
Na 330.237	4546.15	4458.25	4534.91
Ni 231.604	97.5771	97.0290	95.9932
Pb 220.353	482.593	484.688	483.631
Sb 206.834	46.8712	51.2269	46.5380
Se 196.026	91.0367	99.3241	92.5507
Sn 189.925	195.525	199.224	201.590
Sr 216.596	93.0394	93.2327	93.5656
Ti 334.941	97.6346	97.9927	98.2175
Tl 190.794	40.0711	37.8029	36.1330
V 292.401	96.5106	96.8790	97.4283
Zn 206.200	93.8055	95.0085	95.3930

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.7860	ppb	0.3809	0.8	3761.58
Al 308.215	4690.65	ppb	13.9044	0.3	31456.4
As 188.980	104.134	ppb	3.5094	3.4	53.4462
B 249.678	185.943	ppb	1.6355	0.9	2837.71
Ba 389.178	94.1815	ppb	0.5231	0.6	1868.29
Be 313.042	48.8112	ppb	0.1541	0.3	79139.3
Ca 370.602	4831	ppb	36.61	0.8	11177
Cd 226.502	48.0390	ppb	0.3988	0.8	1828.13
Co 228.615	48.9134	ppb	0.7286	1.5	512.505
Cr 267.716	97.2814	ppb	0.5188	0.5	4861.66
Cu 324.754	101.223	ppb	0.6592	0.7	7353.67
Fe 271.441	4807.49	ppb	17.9976	0.4	6783.15
K 766.491	4933.47	ppb	15.3879	0.3	211370
Mg 279.078	4697.51	ppb	16.3009	0.3	11420.8
Mn 257.610	503.850	ppb	1.8119	0.4	104281
Mo 202.032	95.9421	ppb	0.3847	0.4	599.699
Na 330.237	4513.11	ppb	47.8340	1.1	234.141
Ni 231.604	96.8664	ppb	0.8044	0.8	263.820
Pb 220.353	483.637	ppb	1.0473	0.2	689.715
Sb 206.834	48.2120	ppb	2.6163	5.4	64.3598
Se 196.026	94.3039	ppb	4.4131	4.7	39.1803
Sn 189.925	198.779	ppb	3.0569	1.5	125.323
Sr 216.596	93.2792	ppb	0.2662	0.3	1024.88

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	97.9483	ppb	0.2940	0.3	27125.2
Tl 190.794	38.0023	ppb	1.9766	5.2	30.8188
V 292.401	96.9393	ppb	0.4618	0.5	2489.21
Zn 206.200	94.7357	ppb	0.8281	0.9	86.2447

680-106200-b-51-a (Samp) **10/15/2014, 7:10:14 PM** **Rack 2, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	8.8973	9.0423	9.1309
Al 308.215	133745	133764	133615
As 188.980	280.895	273.876	278.510
B 249.678	59.0859	57.8067	57.6768
Ba 389.178	4109.96	4110.49	4108.61
Be 313.042	12.6721	12.6925	12.7049
Ca 370.602	76069	76281	76140
Cd 226.502	20.0238	20.5314	20.0729
Co 228.615	127.737	128.255	128.130
Cr 267.716	711.744	711.855	711.578
Cu 324.754	1973.20	1970.39	1969.26
Fe 271.441	406921	407901	407421
K 766.491	13317.5	13314.0	13351.6
Mg 279.078	13255.6	13284.7	13256.0
Mn 257.610	9236.23	9219.96	9229.57
Mo 202.032	26.9406	27.8580	27.4061
Na 330.237	2694.78u	2701.81u	2830.16u
Ni 231.604	205.975	207.725	204.408
Pb 220.353	3337.08	3343.66	3346.03
Sb 206.834	52.2239	49.0521	41.2817
Se 196.026	1.4360	6.6959	12.2398
Sn 189.925	219.168	219.019	220.740
Sr 216.596	653.530	653.908	652.584
Ti 334.941	2198.68	2202.94	2200.48
Tl 190.794	-9.2548u	-8.2762u	-11.0840u
V 292.401	588.742	589.828	589.271
Zn 206.200	7944.06	7945.00	7921.78

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.0235	ppb	0.1179	1.3	648.577
Al 308.215	133708	ppb	81.3299	0.1	885920
As 188.980	277.760	ppb	3.5691	1.3	145.586
B 249.678	58.1898	ppb	0.7787	1.3	65.7435
Ba 389.178	4109.69	ppb	0.9665	0.0	83519.6
Be 313.042	12.6898	ppb	0.0166	0.1	20383.3
Ca 370.602	76163	ppb	108.0	0.1	173090
Cd 226.502	20.2094	ppb	0.2799	1.4	2217.80
Co 228.615	128.041	ppb	0.2701	0.2	1404.40
Cr 267.716	711.726	ppb	0.1392	0.0	35566.4
Cu 324.754	1970.95	ppb	2.0263	0.1	138646
Fe 271.441	407414	ppb	489.891	0.1	573770
K 766.491	13327.7	ppb	20.7643	0.2	570460
Mg 279.078	13265.5	ppb	16.6870	0.1	32033.4
Mn 257.610	9228.59	ppb	8.1793	0.1	1909689
Mo 202.032	27.4016	ppb	0.4587	1.7	157975

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	2742.25	ppb	76.2144	2.8	-142.857
Ni 231.604	206.036	ppb	1.6597	0.8	596.681
Pb 220.353	3342.26	ppb	4.6372	0.1	4741.31
Sb 206.834	47.5192	ppb	5.6299	11.8	82.9606
Se 196.026	6.7906	ppb	5.4025	79.6	10.1845
Sn 189.925	219.642	ppb	0.9538	0.4	139.038
Sr 216.596	653.340	ppb	0.6818	0.1	7595.06
Ti 334.941	2200.70	ppb	2.1382	0.1	610666
Tl 190.794	-9.5383	ppb	1.4252	14.9	-58.6975
V 292.401	589.280	ppb	0.5432	0.1	15408.2
Zn 206.200	7936.95	ppb	13.1448	0.2	7144.39

Cont Calib Verif (CCV) **10/15/2014, 7:14:31 PM** **Rack 3, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	492.079	491.033	489.140
Al 308.215	4819.53	4829.13	4824.82
As 188.980	460.343	456.641	456.071
B 249.678	481.390	484.750	486.378
Ba 389.178	4801.52	4806.98	4793.53
Be 313.042	484.999	483.682	484.601
Ca 370.602	4858	4886	4889
Cd 226.502	482.048	483.523	481.921
Co 228.615	492.108	493.044	492.081
Cr 267.716	4829.53	4843.97	4834.74
Cu 324.754	5066.25	5026.14	5030.56
Fe 271.441	4875.21	4886.30	4892.69
K 766.491	10028.6	10038.4	10040.0
Mg 279.078	4840.68	4859.78	4843.40
Mn 257.610	4985.09	4975.79	4973.95
Mo 202.032	486.542	490.001	490.613
Na 330.237	7462.36	7242.54	7559.63
Ni 231.604	2453.09	2467.81	2457.81
Pb 220.353	492.314	490.863	489.963
Sb 206.834	920.620	921.381	923.542
Se 196.026	4780.43	4798.94	4749.39
Sn 189.925	4871.83	4889.24	4882.56
Sr 216.596	2384.20	2397.03	2389.43
Ti 334.941	483.139	483.491	482.948
Tl 190.794	4922.71	4940.99	4936.66
V 292.401	4822.56	4834.87	4831.86
Zn 206.200	2401.80	2415.45	2383.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	490.751	ppb	1.4893	0.3	37904.1	98.15012
Al 308.215	4824.50	ppb	4.8102	0.1	32823.6	96.48990
As 188.980	457.685	ppb	2.3196	0.5	243.031	91.53701
B 249.678	484.173	ppb	2.5437	0.5	7358.75	96.83456
Ba 389.178	4800.68	ppb	6.7615	0.1	97333.6	96.01356
Be 313.042	484.428	ppb	0.6753	0.1	788490	96.88551
Ca 370.602	4878	ppb	17.38	0.4	11546	97.55231
Cd 226.502	482.497	ppb	0.8903	0.2	18087.8	96.49950
Co 228.615	492.411	ppb	0.5487	0.1	5136.70	98.48219

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	4836.08	ppb	7.3101	0.2	239981	96.72158
Cu 324.754	5040.98	ppb	21.9967	0.4	353760	100.81968
Fe 271.441	4884.73	ppb	8.8440	0.2	6982.40	97.69461
K 766.491	10035.7	ppb	6.2013	0.1	429633	100.35680
Mg 279.078	4847.95	ppb	10.3294	0.2	11704.2	96.95905
Mn 257.610	4978.28	ppb	5.9702	0.1	1029557	99.56553
Mo 202.032	489.052	ppb	2.1952	0.4	3027.72	97.81034
Na 330.237	7421.51	ppb	162.444	2.2	315.812	98.95347
Ni 231.604	2459.57	ppb	7.5196	0.3	6807.94	98.38284
Pb 220.353	491.047	ppb	1.1862	0.2	703.785	98.20934
Sb 206.834	921.848	ppb	1.5161	0.2	1260.59	92.18475
Se 196.026	4776.25	ppb	25.0370	0.5	1842.65	95.52509
Sn 189.925	4881.21	ppb	8.7803	0.2	3203.95	97.62417
Sr 216.596	2390.22	ppb	6.4498	0.3	26058.8	95.60889
Ti 334.941	483.193	ppb	0.2755	0.1	134023	96.63854
Tl 190.794	4933.45	ppb	9.5553	0.2	4825.30	98.66908
V 292.401	4829.76	ppb	6.4191	0.1	124897	96.59524
Zn 206.200	2400.11	ppb	16.2598	0.7	2153.95	96.00426

Cont Calib Blank (CCB) **10/15/2014, 7:18:49 PM** **Rack 3, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.1311	0.1048	0.2361
Al 308.215	12.6404	12.2566	13.4570
As 188.980	4.0816	5.2955	4.0241
B 249.678	8.9055	8.2337	6.6244
Ba 389.178	1.7099	1.4590	1.0681
Be 313.042	0.0709	0.0701	0.0902
Ca 370.602	-0.0567u	5.155	9.019
Cd 226.502	0.1107	0.0795	-0.0237u
Co 228.615	0.1307	0.5254	0.5798
Cr 267.716	0.6846	0.6317	0.9846
Cu 324.754	0.7312	0.6538	0.7921
Fe 271.441	9.5984	9.1806	13.0625
K 766.491	0.2262	-0.5498u	-0.3184u
Mg 279.078	0.0348	1.9721	0.5703
Mn 257.610	0.9988	0.9381	1.1832
Mo 202.032	0.6877	1.1050	0.3990
Na 330.237	-62.7587u	-100.759u	-90.5316u
Ni 231.604	0.9761	1.4721	0.6929
Pb 220.353	2.6673	1.6706	2.2296
Sb 206.834	2.2262	4.0643	3.0102
Se 196.026	11.2215	17.4390	4.3466
Sn 189.925	-0.8471u	3.1126	3.2532
Sr 216.596	0.0229	-0.2769u	0.2397
Ti 334.941	0.2522	0.2120	0.2879
Tl 190.794	4.3591	4.7326	0.9133
V 292.401	0.6739	0.5910	1.3657
Zn 206.200	1.6516	2.5498	-0.8634u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1573	ppb	0.0695	44.2	1.7126	0.15734
Al 308.215	12.7847	ppb	0.6130	4.8	479.095	12.78466

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	4.4671	ppb	0.7180	16.1	-0.0156	4.46706
B 249.678	7.9212	ppb	1.1722	14.8	155.276	7.92118
Ba 389.178	1.4123	ppb	0.3234	22.9	-22.1302	1.41234
Be 313.042	0.0771	ppb	0.0114	14.7	-191.597	0.07709
Ca 370.602	4.706	ppb	4.555	96.8	22.03	4.70582
Cd 226.502	0.0555	ppb	0.0703	126.7	15.3144	0.05550
Co 228.615	0.4119	ppb	0.2451	59.5	7.4321	0.41195
Cr 267.716	0.7670	ppb	0.1903	24.8	69.1904	0.76698
Cu 324.754	0.7257	ppb	0.0693	9.6	300.808	0.72569
Fe 271.441	10.6139	ppb	2.1309	20.1	21.8109	10.61388
K 766.491	-0.2140	ppb	0.3984	186.2	315.928	-0.21398
Mg 279.078	0.8591	ppb	1.0004	116.5	20.9960	0.85910
Mn 257.610	1.0401	ppb	0.1277	12.3	255.800	1.04006
Mo 202.032	0.7305	ppb	0.3549	48.6	10.7952	0.73054
Na 330.237	-84.6830	ppb	19.6635	23.2	17.9791	-84.68301
Ni 231.604	1.0471	ppb	0.3944	37.7	-1.8761	1.04706
Pb 220.353	2.1892	ppb	0.4996	22.8	3.5565	2.18920
Sb 206.834	3.1002	ppb	0.9224	29.8	5.2088	3.10024
Se 196.026	11.0024	ppb	6.5490	59.5	6.9764	11.00239Z
Sn 189.925	1.8396	ppb	2.3278	126.5	-4.1633	1.83957
Sr 216.596	-0.0048	ppb	0.2594	5425.3	2.3152	-0.00478
Ti 334.941	0.2507	ppb	0.0380	15.2	7.6873	0.25069
Tl 190.794	3.3350	ppb	2.1056	63.1	-2.7023	3.33502
V 292.401	0.8769	ppb	0.4254	48.5	15.5028	0.87689
Zn 206.200	1.1127	ppb	1.7693	159.0	2.2080	1.11267

680-106200-b-51-aSD (Samp) **10/15/2014, 7:23:06 PM** **Rack 3, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	1.5096	1.5315	1.7077
Al 308.215	27131.5	26333.3	25684.8
As 188.980	61.5815	60.5498	56.8594
B 249.678	14.7556	14.1782	13.8262
Ba 389.178	868.544	844.925	823.842
Be 313.042	2.6327	2.5641	2.5059
Ca 370.602	15418	15093	14746
Cd 226.502	4.8629	4.4175	3.7907
Co 228.615	26.2962	26.3525	25.6783
Cr 267.716	149.170	145.020	141.741
Cu 324.754	398.755	383.386	376.866
Fe 271.441	85143.9	82786.1	80721.0
K 766.491	2442.33	2391.91	2333.85
Mg 279.078	2858.28	2786.75	2721.20
Mn 257.610	2016.49	1964.58	1916.48
Mo 202.032	5.6477	4.9827	5.4318
Na 330.237	585.781u	671.418u	621.285u
Ni 231.604	43.5737	42.7811	42.2786
Pb 220.353	715.943	698.395	678.889
Sb 206.834	9.2218	12.6429	7.5687
Se 196.026	4.1268	9.2832	4.5253
Sn 189.925	47.4953	50.2126	50.1758
Sr 216.596	141.190	136.355	132.834
Ti 334.941	463.594	450.436	439.694

Label	Replicates Concentration		
Tl 190.794	-6.3598u	-0.7626u	2.1998u
V 292.401	123.696	120.014	117.719
Zn 206.200	1680.93	1649.29	1614.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.5829	ppb	0.1086	6.9	104.336
Al 308.215	26383.2	ppb	724.667	2.7	175131
As 188.980	59.6636	ppb	2.4827	4.2	29.3815
B 249.678	14.2533	ppb	0.4693	3.3	77.5690
Ba 389.178	845.770	ppb	22.3633	2.6	17147.7
Be 313.042	2.5676	ppb	0.0635	2.5	3871.46
Ca 370.602	15086	ppb	336.4	2.2	34278
Cd 226.502	4.3570	ppb	0.5387	12.4	471.901
Co 228.615	26.1090	ppb	0.3741	1.4	289.000
Cr 267.716	145.310	ppb	3.7232	2.6	7286.63
Cu 324.754	386.336	ppb	11.2384	2.9	27378.8
Fe 271.441	82883.6	ppb	2213.10	2.7	116732
K 766.491	2389.36	ppb	54.2822	2.3	102538
Mg 279.078	2788.74	ppb	68.5619	2.5	6749.15
Mn 257.610	1965.85	ppb	50.0149	2.5	406818
Mo 202.032	5.3541	ppb	0.3393	6.3	35.7599
Na 330.237	626.161	ppb	43.0266	6.9	-9.2969
Ni 231.604	42.8778	ppb	0.6530	1.5	120.269
Pb 220.353	697.742	ppb	18.5354	2.7	990.300
Sb 206.834	9.8111	ppb	2.5879	26.4	17.9886
Se 196.026	5.9784	ppb	2.8689	48.0	6.0451
Sn 189.925	49.2946	ppb	1.5583	3.2	27.0375
Sr 216.596	136.793	ppb	4.1952	3.1	1589.85
Ti 334.941	451.241	ppb	11.9703	2.7	125164
Tl 190.794	-1.6409	ppb	4.3469	264.9	-16.3855
V 292.401	120.476	ppb	3.0155	2.5	3144.51
Zn 206.200	1648.36	ppb	33.0446	2.0	1484.77

680-106200-b-51-aPDS (Samp) **10/15/2014, 7:27:23 PM** **Rack 3, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	101.633	101.344	100.655
Al 308.215	134719	134313	134061
As 188.980	382.147	379.260	384.727
B 249.678	241.284	243.831	244.808
Ba 389.178	4157.62	4145.28	4136.75
Be 313.042	106.967	106.630	106.509
Ca 370.602	84334	83938	83774
Cd 226.502	112.401	111.072	111.118
Co 228.615	221.167	219.391	217.719
Cr 267.716	799.340	797.055	794.473
Cu 324.754	2071.23	2054.77	2055.91
Fe 271.441	412803	411567	410059
K 766.491	23515.8	23481.2	23468.4
Mg 279.078	22422.9	22370.2	22301.7
Mn 257.610	10060.0	10020.8	9960.70
Mo 202.032	120.086	119.960	120.570
Na 330.237	11692.3	11557.1	11546.7

Label	Replicates Concentration		
Ni 231.604	299.234	295.912	298.246
Pb 220.353	3405.43	3394.76	3370.04
Sb 206.834	145.064	138.763	141.901
Se 196.026	125.815	112.321	101.892
Sn 189.925	309.126	312.798	304.790
Sr 216.596	742.139	739.849	739.401
Ti 334.941	2260.41	2256.70	2252.99
Tl 190.794	14.5584u	9.4737u	2.3083u
V 292.401	680.394	679.582	676.690
Zn 206.200	7975.11	7950.34	7912.70

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	101.211	ppb	0.5021	0.5	7778.65
Al 308.215	134364	ppb	331.656	0.2	890284
As 188.980	382.045	ppb	2.7348	0.7	201.488
B 249.678	243.308	ppb	1.8193	0.7	2854.72
Ba 389.178	4146.55	ppb	10.4919	0.3	84282.1
Be 313.042	106.702	ppb	0.2374	0.2	173427
Ca 370.602	84015	ppb	288.2	0.3	191232
Cd 226.502	111.530	ppb	0.7541	0.7	5654.90
Co 228.615	219.425	ppb	1.7245	0.8	2355.86
Cr 267.716	796.956	ppb	2.4350	0.3	39800.3
Cu 324.754	2060.63	ppb	9.1899	0.4	144940
Fe 271.441	411476	ppb	1374.03	0.3	579501
K 766.491	23488.5	ppb	24.4997	0.1	1005120
Mg 279.078	22364.9	ppb	60.7757	0.3	54125.1
Mn 257.610	10013.8	ppb	50.0305	0.5	2072156
Mo 202.032	120.205	ppb	0.3222	0.3	731.955
Na 330.237	11598.7	ppb	81.2327	0.7	278.414
Ni 231.604	297.797	ppb	1.7061	0.6	851.089
Pb 220.353	3390.08	ppb	18.1550	0.5	4809.20
Sb 206.834	141.910	ppb	3.1503	2.2	207.084
Se 196.026	113.342	ppb	11.9939	10.6	51.4093
Sn 189.925	308.905	ppb	4.0086	1.3	197.729
Sr 216.596	740.463	ppb	1.4685	0.2	8552.57
Ti 334.941	2256.70	ppb	3.7106	0.2	626220
Tl 190.794	8.7801	ppb	6.1544	70.1	-40.9673
V 292.401	678.889	ppb	1.9468	0.3	17715.1
Zn 206.200	7946.05	ppb	31.4230	0.4	7152.16

680-106200-a-51-a ms (Samp) **10/15/2014, 7:31:41 PM** **Rack 3, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	44.9916	44.9514	45.4797
Al 308.215	154060	154300	154179
As 188.980	476.782	477.364	469.468
B 249.678	195.023	196.121	195.452
Ba 389.178	4936.18	4933.98	4925.27
Be 313.042	58.9477	58.9183	58.7930
Ca 370.602	66526	66728	66786
Cd 226.502	63.0710	63.5535	63.3591
Co 228.615	342.730	342.796	345.111
Cr 267.716	610.579	612.284	611.554

Label	Replicates Concentration		
Cu 324.754	2179.14	2191.05	2151.52
Fe 271.441	521046	521177	519929
K 766.491	19317.4	19286.1	19262.3
Mg 279.078	16031.5	16091.1	16084.4
Mn 257.610	26424.8	26779.5	26901.7
Mo 202.032	115.897	115.595	117.942
Na 330.237	6951.58	6688.21	6809.65
Ni 231.604	264.801	262.861	264.011
Pb 220.353	3854.32	3873.28	3876.36
Sb 206.834	41.2337	38.6346	39.3927
Se 196.026	88.8613	75.7874	90.0934
Sn 189.925	325.249	335.142	325.997
Sr 216.596	684.357	687.191	686.543
Ti 334.941	1864.77	1864.18	1862.87
Tl 190.794	24.8755u	25.8378u	20.6659u
V 292.401	745.262	745.978	743.545
Zn 206.200	7598.46	7632.93	7596.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	45.1409	ppb	0.2941	0.7	3505.60
Al 308.215	154180	ppb	120.152	0.1	1021596
As 188.980	474.538	ppb	4.4005	0.9	250.699
B 249.678	195.532	ppb	0.5534	0.3	1900.97
Ba 389.178	4931.81	ppb	5.7695	0.1	100255
Be 313.042	58.8864	ppb	0.0821	0.1	95575.9
Ca 370.602	66680	ppb	136.2	0.2	150294
Cd 226.502	63.3278	ppb	0.2428	0.4	4242.57
Co 228.615	343.546	ppb	1.3560	0.4	3647.80
Cr 267.716	611.473	ppb	0.8555	0.1	30717.9
Cu 324.754	2173.90	ppb	20.2785	0.9	152929
Fe 271.441	520717	ppb	685.667	0.1	733354
K 766.491	19288.6	ppb	27.6714	0.1	825456
Mg 279.078	16069.0	ppb	32.6472	0.2	38514.5
Mn 257.610	26702.0	ppb	247.712	0.9	5523400
Mo 202.032	116.478	ppb	1.2769	1.1	704.147
Na 330.237	6816.48	ppb	131.818	1.9	32.8383
Ni 231.604	263.891	ppb	0.9755	0.4	765.264
Pb 220.353	3867.99	ppb	11.9352	0.3	5486.92
Sb 206.834	39.7537	ppb	1.3367	3.4	73.8356
Se 196.026	84.9140	ppb	7.9279	9.3	44.5040
Sn 189.925	328.796	ppb	5.5088	1.7	210.806
Sr 216.596	686.030	ppb	1.4848	0.2	8069.73
Ti 334.941	1863.94	ppb	0.9715	0.1	517239
Tl 190.794	23.7931	ppb	2.7506	11.6	-31.4219
V 292.401	744.928	ppb	1.2506	0.2	19468.4
Zn 206.200	7609.31	ppb	20.4780	0.3	6844.65

680-106200-a-51-b ms (Samp) **10/15/2014, 7:35:58 PM** **Rack 3, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	49.0003	49.6111	48.6799
Al 308.215	159928	160066	160005
As 188.980	400.485	397.187	403.260

Label	Replicates Concentration		
B 249.678	194.735	196.291	195.721
Ba 389.178	4503.00	4506.85	4498.50
Be 313.042	60.3276	60.4127	60.2479
Ca 370.602	80705	80764	80328
Cd 226.502	65.1756	65.7836	65.9006
Co 228.615	251.498	251.261	253.168
Cr 267.716	766.602	767.251	764.759
Cu 324.754	4724.70	4745.72	4749.88
Fe 271.441	480720	480795	475983
K 766.491	17469.1	17490.1	17490.7
Mg 279.078	17731.7	17720.6	17682.8
Mn 257.610	19941.8	19939.1	19782.5
Mo 202.032	111.935	113.878	110.771
Na 330.237	7190.76	7172.99	7365.37
Ni 231.604	248.638	249.178	247.163
Pb 220.353	3641.92	3662.65	3640.95
Sb 206.834	42.6920	38.5304	43.7421
Se 196.026	72.0720	90.7057	84.4396
Sn 189.925	383.419	369.531	386.691
Sr 216.596	675.360	675.334	671.004
Ti 334.941	1951.81	1956.00	1952.30
Tl 190.794	32.0220u	25.6893u	25.5849u
V 292.401	862.863	863.047	861.672
Zn 206.200	7419.91	7408.76	7355.87

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.0971	ppb	0.4731	1.0	3786.51
Al 308.215	160000	ppb	68.8818	0.0	1060053
As 188.980	400.311	ppb	3.0402	0.8	211.145
B 249.678	195.582	ppb	0.7876	0.4	1988.32
Ba 389.178	4502.78	ppb	4.1783	0.1	91535.4
Be 313.042	60.3294	ppb	0.0824	0.1	97939.6
Ca 370.602	80599	ppb	236.5	0.3	182764
Cd 226.502	65.6199	ppb	0.3892	0.6	4180.95
Co 228.615	251.976	ppb	1.0393	0.4	2693.49
Cr 267.716	766.204	ppb	1.2928	0.2	38346.5
Cu 324.754	4740.10	ppb	13.4999	0.3	332894
Fe 271.441	479166	ppb	2757.17	0.6	674831
K 766.491	17483.3	ppb	12.2589	0.1	748228
Mg 279.078	17711.7	ppb	25.6587	0.1	42629.3
Mn 257.610	19887.8	ppb	91.2097	0.5	4114171
Mo 202.032	112.195	ppb	1.5696	1.4	679.285
Na 330.237	7243.04	ppb	106.313	1.5	68.0350
Ni 231.604	248.326	ppb	1.0428	0.4	719.200
Pb 220.353	3648.50	ppb	12.2583	0.3	5175.20
Sb 206.834	41.6548	ppb	2.7563	6.6	76.8132
Se 196.026	82.4057	ppb	9.4819	11.5	41.9134
Sn 189.925	379.880	ppb	9.1113	2.4	244.393
Sr 216.596	673.899	ppb	2.5072	0.4	7898.15
Ti 334.941	1953.37	ppb	2.2875	0.1	542053
Tl 190.794	27.7654	ppb	3.6867	13.3	-25.7497
V 292.401	862.527	ppb	0.7466	0.1	22496.9
Zn 206.200	7394.85	ppb	34.2112	0.5	6652.34

680-106200-b-53-a (Samp) **10/15/2014, 7:40:16 PM** **Rack 3, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	1.8533	1.6646	1.3933
Al 308.215	114124	113986	114009
As 188.980	222.869	224.909	225.402
B 249.678	36.9860u	37.7230u	37.6899u
Ba 389.178	2490.81	2483.19	2482.08
Be 313.042	11.2263	11.1978	11.2028
Ca 370.602	185945	185780	187502
Cd 226.502	13.1339	13.2534	12.8005
Co 228.615	125.551	125.165	126.863
Cr 267.716	307.971	306.502	307.286
Cu 324.754	758.894	758.489	767.354
Fe 271.441	321873	321277	321258
K 766.491	30730.3	30684.6	30628.6
Mg 279.078	26727.2	26688.5	26717.7
Mn 257.610	44515.8x	44561.2x	44522.2x
Mo 202.032	26.5770	25.9602	26.3910
Na 330.237	2552.57u	2337.51u	2515.83u
Ni 231.604	191.673	191.970	195.212
Pb 220.353	2627.47	2633.28	2631.20
Sb 206.834	7.8057	6.6463	11.2731
Se 196.026	6.2158	14.8906	-0.4629
Sn 189.925	65.6939	79.6564	74.4632
Sr 216.596	459.986	458.381	458.895
Ti 334.941	1532.97	1525.47	1526.37
Tl 190.794	6.2161u	12.3571u	8.8045u
V 292.401	356.474	355.519	355.454
Zn 206.200	4614.28	4589.60	4607.91

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.6371b	ppb	0.2312	14.1	261.850
Al 308.215	114039b	ppb	73.9403	0.1	755601
As 188.980	224.394b	ppb	1.3427	0.6	117.233
B 249.678	37.4663b	ppb	0.4163	1.1	-71.8966
Ba 389.178	2485.36b	ppb	4.7494	0.2	50550.4
Be 313.042	11.2089b	ppb	0.0152	0.1	17987.8
Ca 370.602	186409b	ppb	949.9	0.5	429257
Cd 226.502	13.0626b	ppb	0.2347	1.8	1650.40
Co 228.615	125.860b	ppb	0.8903	0.7	1363.35
Cr 267.716	307.253b	ppb	0.7351	0.2	15617.6
Cu 324.754	761.579b	ppb	5.0056	0.7	53793.2
Fe 271.441	321469b	ppb	349.647	0.1	452735
K 766.491	30681.2b	ppb	50.9354	0.2	1312809
Mg 279.078	26711.1b	ppb	20.1791	0.1	64053.8
Mn 257.610	44533.1xb	ppb	24.5846	0.1	9210219
Mo 202.032	26.3094b	ppb	0.3164	1.2	155.028
Na 330.237	2468.63b	ppb	115.035	4.7	-52.9120
Ni 231.604	192.952b	ppb	1.9631	1.0	554.019
Pb 220.353	2630.65b	ppb	2.9396	0.1	3738.47
Sb 206.834	8.5750b	ppb	2.4074	28.1	24.9465
Se 196.026	6.8812b	ppb	7.6984	111.9	16.3871
Sn 189.925	73.2712b	ppb	7.0572	9.6	42.8016
Sr 216.596	459.087b	ppb	0.8194	0.2	5421.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1528.27b	ppb	4.0943	0.3	424091
Tl 190.794	9.1259b	ppb	3.0831	33.8	-14.5978
V 292.401	355.816b	ppb	0.5712	0.2	9334.76
Zn 206.200	4603.93b	ppb	12.8122	0.3	4141.66

680-106200-b-60-a (Samp) **10/15/2014, 7:44:33 PM** **Rack 3, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-2.3208u	-2.1988u	-2.3151u
Al 308.215	167750	168118	168009
As 188.980	604.935	606.382	596.715
B 249.678	24.3768u	22.7876u	23.5697u
Ba 389.178	747.078	746.128	746.573
Be 313.042	12.2760	12.2913	12.2634
Ca 370.602	54125	54161	54033
Cd 226.502	-3.9721	-3.5671	-4.0447
Co 228.615	139.589	138.292	138.285
Cr 267.716	702.824	704.491	702.913
Cu 324.754	126.427	125.549	125.841
Fe 271.441	715126	714380	713484
K 766.491	8215.26	8225.08	8231.69
Mg 279.078	10513.4	10530.8	10519.0
Mn 257.610	16000.5	16021.8	15947.3
Mo 202.032	24.7934	24.9170	24.6810
Na 330.237	182.708u	690.866u	617.902u
Ni 231.604	95.2860	93.8869	94.4084
Pb 220.353	311.017	308.983	310.922
Sb 206.834	5.9304	2.5960	-3.2794
Se 196.026	13.3675	-2.0399	11.1223
Sn 189.925	34.0795	30.1421	29.9617
Sr 216.596	151.964	151.248	150.975
Ti 334.941	899.855	901.189	900.765
Tl 190.794	-25.2124u	-24.2837u	-22.4621u
V 292.401	836.668	837.758	836.299
Zn 206.200	604.398	599.802	599.111

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2782	ppb	0.0688	3.0	-225.928
Al 308.215	167959	ppb	189.077	0.1	1113110
As 188.980	602.677	ppb	5.2137	0.9	318.558
B 249.678	23.5781	ppb	0.7946	3.4	-1106.33
Ba 389.178	746.593	ppb	0.4757	0.1	15462.6
Be 313.042	12.2769	ppb	0.0140	0.1	19709.2
Ca 370.602	54107	ppb	65.94	0.1	118772
Cd 226.502	-3.8613	ppb	0.2574	6.7	2420.57
Co 228.615	138.722	ppb	0.7507	0.5	1510.35
Cr 267.716	703.409	ppb	0.9379	0.1	35315.2
Cu 324.754	125.939	ppb	0.4471	0.4	9367.40
Fe 271.441	714330	ppb	822.232	0.1	1005989
K 766.491	8224.01	ppb	8.2714	0.1	352133
Mg 279.078	10521.0	ppb	8.9135	0.1	25228.6
Mn 257.610	15989.9	ppb	38.3564	0.2	3308725
Mo 202.032	24.7971	ppb	0.1181	0.5	128435

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	497.159	ppb	274.755	55.3	-138.827
Ni 231.604	94.5271	ppb	0.7071	0.7	311.343
Pb 220.353	310.308	ppb	1.1481	0.4	400.692
Sb 206.834	1.7490	ppb	4.6630	266.6	31.8975
Se 196.026	7.4833	ppb	8.3234	111.2	14.1020
Sn 189.925	31.3944	ppb	2.3271	7.4	15.2674
Sr 216.596	151.396	ppb	0.5107	0.3	2436.30
Ti 334.941	900.603	ppb	0.6816	0.1	249945
Tl 190.794	-23.9861	ppb	1.3991	5.8	-106.448
V 292.401	836.908	ppb	0.7585	0.1	21917.9
Zn 206.200	601.104	ppb	2.8741	0.5	514.409

680-106200-b-45-a (Samp) **10/15/2014, 7:48:50 PM** **Rack 3, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-3.5944	-3.4650	-3.0011
Al 308.215	118358	118440	118315
As 188.980	347.705	353.850	349.852
B 249.678	64.3009u	65.4420u	64.9234u
Ba 389.178	11708.4x	11693.7x	11689.1x
Be 313.042	15.0957	15.0968	15.0670
Ca 370.602	257676	259156	259772
Cd 226.502	4.2680	3.9381	4.2103
Co 228.615	336.031	335.357	334.757
Cr 267.716	359.892	359.321	360.406
Cu 324.754	420.056	415.931	412.628
Fe 271.441	515910	517311	518674
K 766.491	12917.9	12922.1	12883.3
Mg 279.078	80439.0	80520.1	80639.4
Mn 257.610	79823.6x	79680.2x	79890.6x
Mo 202.032	78.3535	80.6586	79.0852
Na 330.237	1062.55u	1192.34u	933.720u
Ni 231.604	228.710	227.613	230.514
Pb 220.353	1036.25	1029.54	1039.20
Sb 206.834	6.2508	5.4966	3.5224
Se 196.026	23.1854	12.1642	8.7734
Sn 189.925	72.2261	71.5436	63.2758
Sr 216.596	485.836	485.799	487.761
Ti 334.941	1841.11	1837.22	1834.58
Tl 190.794	13.5498u	14.0774u	4.6480u
V 292.401	452.237	451.952	450.854
Zn 206.200	1872.96	1877.85	1884.35

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.3535b	ppb	0.3120	9.3	10.2844
Al 308.215	118371b	ppb	63.4612	0.1	784601
As 188.980	350.469b	ppb	3.1189	0.9	183.862
B 249.678	64.8888b	ppb	0.5714	0.9	-68.2377
Ba 389.178	11697.1xb	ppb	10.0914	0.1	237543
Be 313.042	15.0865b	ppb	0.0169	0.1	24300.9
Ca 370.602	258868b	ppb	1077	0.4	595686
Cd 226.502	4.1388b	ppb	0.1762	4.3	2016.82
Co 228.615	335.382b	ppb	0.6378	0.2	3562.67

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	359.873b	ppb	0.5424	0.2	18472.3
Cu 324.754	416.205b	ppb	3.7214	0.9	29651.6
Fe 271.441	517298b	ppb	1382.23	0.3	728536
K 766.491	12907.8b	ppb	21.3005	0.2	552496
Mg 279.078	80532.8b	ppb	100.819	0.1	194159
Mn 257.610	79798.1xb	ppb	107.467	0.1	16503696
Mo 202.032	79.3658b	ppb	1.1778	1.5	474.909
Na 330.237	1062.87b	ppb	129.308	12.2	-99.0888
Ni 231.604	228.946b	ppb	1.4650	0.6	668.210
Pb 220.353	1035.00b	ppb	4.9526	0.5	1457.61
Sb 206.834	5.0899b	ppb	1.4089	27.7	25.9443
Se 196.026	14.7077b	ppb	7.5351	51.2	27.6921
Sn 189.925	69.0152b	ppb	4.9821	7.2	40.0028
Sr 216.596	486.466b	ppb	1.1222	0.2	5952.59
Ti 334.941	1837.64b	ppb	3.2868	0.2	510046
Tl 190.794	10.7584b	ppb	5.2984	49.2	-19.8716
V 292.401	451.681b	ppb	0.7305	0.2	11883.8
Zn 206.200	1878.38b	ppb	5.7122	0.3	1675.13

680-106200-b-44-a (Samp) **10/15/2014, 7:53:08 PM** **Rack 3, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	-1.3115u	-1.5718u	-1.5138u
Al 308.215	110371	110473	110469
As 188.980	97.7645	93.0202	82.7573
B 249.678	11.9005u	12.2152u	11.6712u
Ba 389.178	513.193	513.776	512.929
Be 313.042	10.8286	10.8368	10.8410
Ca 370.602	5034	5024	5031
Cd 226.502	-3.2114	-3.1627	-3.1374
Co 228.615	89.2105	89.2717	89.5736
Cr 267.716	192.658	192.505	192.216
Cu 324.754	204.437	204.462	204.152
Fe 271.441	281776	281990	281266
K 766.491	12323.0	12356.0	12331.8
Mg 279.078	2511.07	2512.63	2502.47
Mn 257.610	2539.65	2540.83	2536.29
Mo 202.032	12.7553	11.5212	12.5639
Na 330.237	169.292u	306.547u	323.200u
Ni 231.604	86.5520	84.8203	85.0146
Pb 220.353	130.773	130.069	126.421
Sb 206.834	2.7750	2.1972	-0.2569
Se 196.026	0.8928	-8.5713u	6.1107
Sn 189.925	18.3827	16.0487	19.0873
Sr 216.596	99.5080	98.9760	99.1980
Ti 334.941	325.821	325.937	325.913
Tl 190.794	-11.3174u	-3.0820u	-7.8678u
V 292.401	223.175	224.219	223.080
Zn 206.200	200.849	199.295	198.538

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4657	ppb	0.1366	9.3	-158.084
Al 308.215	110438	ppb	57.4119	0.1	731687

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	91.1807	ppb	7.6709	8.4	45.9489
B 249.678	11.9289	ppb	0.2731	2.3	-374.671
Ba 389.178	513.299	ppb	0.4332	0.1	10503.8
Be 313.042	10.8355	ppb	0.0063	0.1	17332.9
Ca 370.602	5030	ppb	5.140	0.1	9060
Cd 226.502	-3.1705	ppb	0.0376	1.2	900.304
Co 228.615	89.3519	ppb	0.1944	0.2	957.615
Cr 267.716	192.460	ppb	0.2243	0.1	9715.62
Cu 324.754	204.350	ppb	0.1721	0.1	14696.1
Fe 271.441	281677	ppb	372.077	0.1	396692
K 766.491	12336.9	ppb	17.0914	0.1	528077
Mg 279.078	2508.72	ppb	5.4723	0.2	6029.67
Mn 257.610	2538.92	ppb	2.3582	0.1	525889
Mo 202.032	12.2801	ppb	0.6642	5.4	70.0406
Na 330.237	266.346	ppb	84.4629	31.7	-37.0282
Ni 231.604	85.4623	ppb	0.9487	1.1	253.296
Pb 220.353	129.088	ppb	2.3364	1.8	166.550
Sb 206.834	1.5717	ppb	1.6098	102.4	13.4899
Se 196.026	-0.5226	ppb	7.4426	1424.1	5.1594
Sn 189.925	17.8396	ppb	1.5904	8.9	6.3560
Sr 216.596	99.2273	ppb	0.2672	0.3	1387.97
Ti 334.941	325.890	ppb	0.0609	0.0	90408.0
Tl 190.794	-7.4224	ppb	4.1358	55.7	-45.3585
V 292.401	223.491	ppb	0.6317	0.3	5880.07
Zn 206.200	199.561	ppb	1.1781	0.6	169.996

680-106200-b-58-a (Samp) **10/15/2014, 7:57:25 PM** **Rack 3, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3553u	-0.4059u	-0.3949u
Al 308.215	99890.4	99834.5	99898.5
As 188.980	211.866	208.385	201.108
B 249.678	64.1433	63.9087	64.5368
Ba 389.178	1133.96	1126.70	1133.13
Be 313.042	11.9960	11.9853	11.9516
Ca 370.602	760678	763436	764219
Cd 226.502	3.6961	3.5591	3.9636
Co 228.615	62.1709	62.2380	61.6517
Cr 267.716	295.818	295.128	295.258
Cu 324.754	414.116	412.464	408.827
Fe 271.441	307671	307835	307462
K 766.491	14581.6	14596.2	14538.2
Mg 279.078	92408.4	92467.5	92655.3
Mn 257.610	10061.1	10053.2	10028.4
Mo 202.032	21.3403	21.1548	21.2019
Na 330.237	1781.14u	1727.60u	1563.70u
Ni 231.604	234.445	232.932	235.887
Pb 220.353	782.803	772.796	786.181
Sb 206.834	6.8152	4.0389	10.1363
Se 196.026	11.0477	3.7790	-3.1938
Sn 189.925	58.4174	61.4816	60.6849
Sr 216.596	1149.25	1149.51	1149.10
Ti 334.941	1431.49	1428.96	1427.66

Label	Replicates Concentration		
Tl 190.794	-12.5041u	-15.4255u	-9.5540u
V 292.401	315.635	315.199	314.309
Zn 206.200	1706.20	1715.47	1717.62

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1485b	ppb	0.4364	293.9	-60.8981
Al 308.215	99874.5b	ppb	34.8425	0.0	661841
As 188.980	207.120b	ppb	5.4892	2.7	107.919
B 249.678	64.1963b	ppb	0.3174	0.5	360.568
Ba 389.178	1131.26b	ppb	3.9711	0.4	23164.3
Be 313.042	11.9776b	ppb	0.0232	0.2	19423.3
Ca 370.602	762778b	ppb	1860	0.2	1761025
Cd 226.502	3.7396b	ppb	0.2057	5.5	1254.01
Co 228.615	62.0202b	ppb	0.3209	0.5	695.756
Cr 267.716	295.402b	ppb	0.3666	0.1	14869.9
Cu 324.754	411.802b	ppb	2.7059	0.7	29255.9
Fe 271.441	307656b	ppb	186.947	0.1	433275
K 766.491	14572.0b	ppb	30.1609	0.2	623689
Mg 279.078	92510.4b	ppb	128.912	0.1	224554
Mn 257.610	10047.6b	ppb	17.1112	0.2	2079356
Mo 202.032	21.2323b	ppb	0.0964	0.5	124.226
Na 330.237	1690.81b	ppb	113.292	6.7	-14.9057
Ni 231.604	234.421b	ppb	1.4774	0.6	667.998
Pb 220.353	780.593b	ppb	6.9605	0.9	1095.06
Sb 206.834	6.9968b	ppb	3.0527	43.6	22.3943
Se 196.026	3.8776b	ppb	7.1213	183.7	8.4971
Sn 189.925	60.1947b	ppb	1.5898	2.6	34.2041
Sr 216.596	1149.29b	ppb	0.2093	0.0	13145.9
Ti 334.941	1429.37b	ppb	1.9456	0.1	396756
Tl 190.794	-12.4945b	ppb	2.9358	23.5	-50.0215
V 292.401	315.048b	ppb	0.6759	0.2	8274.11
Zn 206.200	1713.10b	ppb	6.0724	0.4	1534.19

680-106200-b-47-a (Samp) **10/15/2014, 8:01:43 PM** **Rack 3, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	-2.6152u	-2.1316u	-2.1352u
Al 308.215	121189	121196	121133
As 188.980	1111.12	1114.31	1095.67
B 249.678	22.1198u	22.4229u	22.5090u
Ba 389.178	1877.63	1880.30	1881.10
Be 313.042	14.2609	14.2915	14.3077
Ca 370.602	22970	22939	22962
Cd 226.502	-5.4727	-5.1475	-4.9267
Co 228.615	182.605	179.871	181.890
Cr 267.716	551.212	550.876	551.568
Cu 324.754	125.272	125.010	125.264
Fe 271.441	775460	779124	778213
K 766.491	5408.73	5424.62	5410.75
Mg 279.078	6736.61	6740.48	6735.80
Mn 257.610	23501.3	23553.7	23555.0
Mo 202.032	34.3847	33.6096	34.9030
Na 330.237	328.050u	623.507u	361.389u

Label	Replicates Concentration		
Ni 231.604	85.9382	82.1013	81.1581
Pb 220.353	405.065	416.236	405.784
Sb 206.834	2.3443	0.2939	-2.0161
Se 196.026	-4.4684	-1.1826	0.8622
Sn 189.925	29.9587	37.8335	29.9562
Sr 216.596	140.221	141.142	140.872
Ti 334.941	843.120	843.830	845.037
Tl 190.794	-19.3206u	-21.5164u	-23.4933u
V 292.401	710.744	712.066	711.159
Zn 206.200	504.112	501.491	503.951

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2940	ppb	0.2782	12.1	-201.561
Al 308.215	121173	ppb	34.3959	0.0	803601
As 188.980	1107.03	ppb	9.9704	0.9	588.404
B 249.678	22.3505	ppb	0.2044	0.9	-1257.29
Ba 389.178	1879.68	ppb	1.8195	0.1	38469.5
Be 313.042	14.2867	ppb	0.0238	0.2	22956.3
Ca 370.602	22957	ppb	15.93	0.1	46283
Cd 226.502	-5.1823	ppb	0.2747	5.3	2596.48
Co 228.615	181.455	ppb	1.4180	0.8	1957.76
Cr 267.716	551.218	ppb	0.3460	0.1	27825.1
Cu 324.754	125.182	ppb	0.1487	0.1	9342.53
Fe 271.441	777599	ppb	1907.31	0.2	1095092
K 766.491	5414.70	ppb	8.6526	0.2	231956
Mg 279.078	6737.63	ppb	2.5017	0.0	15913.5
Mn 257.610	23536.7	ppb	30.6563	0.1	4869491
Mo 202.032	34.2991	ppb	0.6509	1.9	184.670
Na 330.237	437.648	ppb	161.819	37.0	-154.004
Ni 231.604	83.0659	ppb	2.5318	3.0	284.297
Pb 220.353	409.028	ppb	6.2524	1.5	539.533
Sb 206.834	0.2074	ppb	2.1815	1052.0	30.0173
Se 196.026	-1.5963	ppb	2.6893	168.5	12.5351
Sn 189.925	32.5828	ppb	4.5472	14.0	16.0486
Sr 216.596	140.745	ppb	0.4732	0.3	2377.21
Ti 334.941	843.996	ppb	0.9692	0.1	234236
Tl 190.794	-21.4434	ppb	2.0873	9.7	-108.209
V 292.401	711.323	ppb	0.6760	0.1	18690.0
Zn 206.200	503.185	ppb	1.4686	0.3	424.049

Cont Calib Verif (CCV) **10/15/2014, 8:06:00 PM** **Rack 3, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	484.530	484.803	486.562
Al 308.215	4832.51	4833.28	4834.55
As 188.980	460.179	453.701	456.300
B 249.678	478.297	481.066	483.241
Ba 389.178	4779.07	4782.14	4774.63
Be 313.042	483.389	478.635	481.233
Ca 370.602	4755	4752	4750
Cd 226.502	478.765	479.200	479.639
Co 228.615	486.774	486.497	487.383
Cr 267.716	4801.62	4799.34	4796.90

Label	Replicates Concentration		
Cu 324.754	5014.15	5028.68	5009.39
Fe 271.441	4894.89	4904.23	4931.40
K 766.491	10083.9	10108.7	10085.3
Mg 279.078	4816.78	4825.64	4830.52
Mn 257.610	4916.14	4914.16	4905.79
Mo 202.032	481.939	484.833	485.880
Na 330.237	7562.61	7620.95	7624.42
Ni 231.604	2431.93	2424.29	2438.12
Pb 220.353	484.679	483.399	482.923
Sb 206.834	913.877	917.652	915.100
Se 196.026	4789.19	4801.41	4768.01
Sn 189.925	4803.22	4815.65	4824.53
Sr 216.596	2366.08	2369.00	2374.49
Ti 334.941	480.337	480.443	479.330
Tl 190.794	4888.07	4894.49	4914.38
V 292.401	4815.03	4813.08	4810.95
Zn 206.200	2351.05	2366.24	2368.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	485.298	ppb	1.1028	0.2	37482.2	97.05967
Al 308.215	4833.45	ppb	1.0305	0.0	32882.1	96.66898
As 188.980	456.727	ppb	3.2600	0.7	242.518	91.34538
B 249.678	480.868	ppb	2.4780	0.5	7308.69	96.17356
Ba 389.178	4778.61	ppb	3.7745	0.1	96886.1	95.57226
Be 313.042	481.086	ppb	2.3801	0.5	783049	96.21710
Ca 370.602	4752	ppb	2.438	0.1	11255	95.04794
Cd 226.502	479.201	ppb	0.4370	0.1	17964.6	95.84019
Co 228.615	486.885	ppb	0.4532	0.1	5079.29	97.37695
Cr 267.716	4799.29	ppb	2.3579	0.0	238155	95.98573
Cu 324.754	5017.41	ppb	10.0522	0.2	352106	100.34814
Fe 271.441	4910.17	ppb	18.9681	0.4	7017.91	98.20350
K 766.491	10092.7	ppb	13.9083	0.1	432071	100.92657
Mg 279.078	4824.31	ppb	6.9689	0.1	11647.4	96.48623
Mn 257.610	4912.03	ppb	5.4906	0.1	1015858	98.24062
Mo 202.032	484.217	ppb	2.0415	0.4	2997.80	96.84350
Na 330.237	7602.66	ppb	34.7272	0.5	325.247	101.36878
Ni 231.604	2431.45	ppb	6.9304	0.3	6730.04	97.25793
Pb 220.353	483.667	ppb	0.9085	0.2	693.257	96.73339
Sb 206.834	915.543	ppb	1.9262	0.2	1252.33	91.55428
Se 196.026	4786.20	ppb	16.8973	0.4	1846.47	95.72404
Sn 189.925	4814.47	ppb	10.7032	0.2	3160.07	96.28934
Sr 216.596	2369.86	ppb	4.2701	0.2	25836.8	94.79436
Ti 334.941	480.037	ppb	0.6142	0.1	133148	96.00741
Tl 190.794	4898.98	ppb	13.7158	0.3	4791.58	97.97955
V 292.401	4813.02	ppb	2.0400	0.0	124464	96.26046
Zn 206.200	2361.86	ppb	9.4251	0.4	2119.45	94.47450

Cont Calib Blank (CCB) **10/15/2014, 8:10:17 PM** **Rack 3, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	0.1454	0.1299	0.1577
Al 308.215	10.3649	10.6936	12.2536
As 188.980	1.8960	4.5777	-1.5862u

Label	Replicates Concentration		
B 249.678	8.6680	7.8217	6.6988
Ba 389.178	0.6197	1.4675	0.5883
Be 313.042	0.0692	0.0673	0.0916
Ca 370.602	6.342	8.861	9.552
Cd 226.502	0.0708	0.0651	0.0484
Co 228.615	-0.2243u	-0.6429u	-0.2890u
Cr 267.716	0.7269	0.7527	0.9354
Cu 324.754	0.7953	0.5078	0.9566
Fe 271.441	22.5046	23.0414	39.1119
K 766.491	0.0900	-0.9559u	-0.1652u
Mg 279.078	1.9139	1.5345	1.8418
Mn 257.610	1.7190	1.6434	2.0710
Mo 202.032	1.2739	0.3350	0.4035
Na 330.237	-132.656u	-100.494u	-74.5755u
Ni 231.604	1.4365	0.1802	1.0868
Pb 220.353	-0.4873u	0.5682	-0.5564u
Sb 206.834	2.1963	5.4168	4.9976
Se 196.026	13.7475	2.8851	8.8614
Sn 189.925	2.3213	1.7109	0.6859
Sr 216.596	0.4841	0.8397	0.2612
Ti 334.941	0.3018	0.2115	0.2666
Tl 190.794	0.8165	3.9869	3.0370
V 292.401	0.8186	0.7362	0.9670
Zn 206.200	2.1141	-0.2251u	0.5931

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1443	ppb	0.0139	9.7	0.6916	0.14433
Al 308.215	11.1041	ppb	1.0090	9.1	468.013	11.10405
As 188.980	1.6292	ppb	3.0906	189.7	-1.5381	1.62915
B 249.678	7.7295	ppb	0.9879	12.8	152.348	7.72949
Ba 389.178	0.8918	ppb	0.4988	55.9	-32.6774	0.89183
Be 313.042	0.0760	ppb	0.0135	17.7	-193.292	0.07604
Ca 370.602	8.252	ppb	1.690	20.5	30.07	8.25188
Cd 226.502	0.0614	ppb	0.0117	19.0	15.6039	0.06144
Co 228.615	-0.3854	ppb	0.2253	58.5	-0.8715	-0.38541
Cr 267.716	0.8050	ppb	0.1137	14.1	71.0892	0.80502
Cu 324.754	0.7532	ppb	0.2274	30.2	302.746	0.75322
Fe 271.441	28.2193	ppb	9.4371	33.4	46.5666	28.21930Z
K 766.491	-0.3437	ppb	0.5453	158.7	310.379	-0.34372
Mg 279.078	1.7634	ppb	0.2015	11.4	23.1785	1.76341
Mn 257.610	1.8112	ppb	0.2282	12.6	415.309	1.81115
Mo 202.032	0.6708	ppb	0.5235	78.0	10.4246	0.67079
Na 330.237	-102.575	ppb	29.0959	28.4	17.1136	-102.57521
Ni 231.604	0.9012	ppb	0.6484	72.0	-2.2780	0.90118
Pb 220.353	-0.1585	ppb	0.6302	397.6	0.2080	-0.15849
Sb 206.834	4.2036	ppb	1.7509	41.7	6.6639	4.20355
Se 196.026	8.4980	ppb	5.4403	64.0	6.0125	8.49801
Sn 189.925	1.5727	ppb	0.8264	52.5	-4.3388	1.57267
Sr 216.596	0.5283	ppb	0.2918	55.2	8.1642	0.52834
Ti 334.941	0.2600	ppb	0.0455	17.5	10.2672	0.25997
Tl 190.794	2.6135	ppb	1.6271	62.3	-3.4104	2.61349
V 292.401	0.8406	ppb	0.1170	13.9	14.5676	0.84061
Zn 206.200	0.8274	ppb	1.1870	143.5	1.9498	0.82736

680-106200-a-59-a (Samp) **10/15/2014, 8:14:35 PM** **Rack 3, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-3.2203u	-3.4715u	-3.7044u
Al 308.215	147356	147658	147223
As 188.980	448.655	453.254	453.814
B 249.678	24.9419u	27.6246u	27.0417u
Ba 389.178	2532.44	2528.52	2527.13
Be 313.042	17.7731	17.6853	17.7067
Ca 370.602	55414	55054	55171
Cd 226.502	-4.2515	-2.6888	-3.4548
Co 228.615	241.728	244.229	246.801
Cr 267.716	535.209	533.513	533.263
Cu 324.754	139.135	139.659	141.505
Fe 271.441	726224	720951	723225
K 766.491	9062.45	9083.64	9062.61
Mg 279.078	13159.3	13153.1	13134.7
Mn 257.610	34880.4x	34746.8x	34376.8x
Mo 202.032	26.6637	25.3369	26.8584
Na 330.237	487.436u	349.949u	724.179u
Ni 231.604	111.787	111.492	110.566
Pb 220.353	585.915	579.993	588.644
Sb 206.834	2.7743	5.0116	8.4582
Se 196.026	12.8282	-13.8629	6.1679
Sn 189.925	32.9871	26.1960	31.5800
Sr 216.596	230.066	228.039	228.256
Ti 334.941	1093.72	1092.97	1089.94
Tl 190.794	-16.6890u	-19.8247u	-23.0848u
V 292.401	877.263	874.224	873.048
Zn 206.200	896.991	888.961	898.516

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.4654b	ppb	0.2421	7.0	-233.678
Al 308.215	147413b	ppb	223.173	0.2	977161
As 188.980	451.908b	ppb	2.8310	0.6	237.460
B 249.678	26.5360b	ppb	1.4110	5.3	-1077.76
Ba 389.178	2529.36b	ppb	2.7544	0.1	51626.7
Be 313.042	17.7217b	ppb	0.0458	0.3	28567.9
Ca 370.602	55213b	ppb	183.7	0.3	121706
Cd 226.502	-3.4650b	ppb	0.7814	22.6	2462.98
Co 228.615	244.252b	ppb	2.5369	1.0	2613.36
Cr 267.716	533.995b	ppb	1.0589	0.2	26994.7
Cu 324.754	140.100b	ppb	1.2449	0.9	10363.3
Fe 271.441	723466b	ppb	2645.02	0.4	1018867
K 766.491	9069.57b	ppb	12.1878	0.1	388305
Mg 279.078	13149.0b	ppb	12.8070	0.1	31276.9
Mn 257.610	34668.0xb	ppb	260.858	0.8	7171250
Mo 202.032	26.2863b	ppb	0.8280	3.1	137.284
Na 330.237	520.521b	ppb	189.296	36.4	-147.239
Ni 231.604	111.282b	ppb	0.6374	0.6	358.104
Pb 220.353	584.851b	ppb	4.4226	0.8	795.171
Sb 206.834	5.4147b	ppb	2.8633	52.9	35.1740
Se 196.026	1.7111b	ppb	13.8925	811.9	15.5174
Sn 189.925	30.2543b	ppb	3.5844	11.8	14.5178
Sr 216.596	228.787b	ppb	1.1129	0.5	3289.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1092.21b	ppb	2.0018	0.2	303118
Tl 190.794	-19.8662b	ppb	3.1981	16.1	-94.5358
V 292.401	874.845b	ppb	2.1751	0.2	22913.8
Zn 206.200	894.823b	ppb	5.1332	0.6	779.533

680-106200-b-62-a (Samp) **10/15/2014, 8:18:52 PM** **Rack 3, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	-0.5732u	0.1512u	-0.6575u
Al 308.215	64828.1	64789.6	64916.1
As 188.980	134.054	130.608	127.306
B 249.678	50.9307	49.9846	50.6507
Ba 389.178	778.597	777.552	777.770
Be 313.042	4.6383	4.6324	4.6310
Ca 370.602	1439856x	1439303x	1441922x
Cd 226.502	3.4681	3.4539	3.0632
Co 228.615	47.3521	47.7950	48.5704
Cr 267.716	257.333	257.533	257.418
Cu 324.754	282.333	284.590	279.547
Fe 271.441	209787	210049	209979
K 766.491	10913.4	10903.0	10894.4
Mg 279.078	773776	774061	776616
Mn 257.610	10130.0	10103.1	10104.7
Mo 202.032	19.4089	20.4938	20.1857
Na 330.237	1702.61	1894.98	1508.45u
Ni 231.604	137.875	135.175	136.282
Pb 220.353	440.013	431.553	434.249
Sb 206.834	3.7806	0.8410	13.2506
Se 196.026	8.3338	5.4979	15.2742
Sn 189.925	34.5277	30.6101	38.1389
Sr 216.596	502.818	503.156	502.282
Ti 334.941	1223.93	1225.65	1226.57
Tl 190.794	-12.8028u	-9.4781u	-13.1041u
V 292.401	211.728	212.925	211.788
Zn 206.200	1153.35	1159.74	1155.82

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3599b	ppb	0.4446	123.5	-54.4822
Al 308.215	64844.6b	ppb	64.8525	0.1	429863
As 188.980	130.656b	ppb	3.3747	2.6	67.1199
B 249.678	50.5220b	ppb	0.4860	1.0	360.000
Ba 389.178	777.973b	ppb	0.5512	0.1	16813.5
Be 313.042	4.6339b	ppb	0.0039	0.1	7643.29
Ca 370.602	1440360xb	ppb	1380	0.1	3328265
Cd 226.502	3.3284b	ppb	0.2298	6.9	896.015
Co 228.615	47.9059b	ppb	0.6167	1.3	538.673
Cr 267.716	257.428b	ppb	0.1002	0.0	12943.0
Cu 324.754	282.157b	ppb	2.5261	0.9	20123.8
Fe 271.441	209938b	ppb	135.859	0.1	295661
K 766.491	10903.6b	ppb	9.4872	0.1	466760
Mg 279.078	774818b	ppb	1563.54	0.2	1882236
Mn 257.610	10112.6b	ppb	15.0916	0.1	2097509
Mo 202.032	20.0295b	ppb	0.5591	2.8	121077

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1702.01b	ppb	193.268	11.4	23.0246
Ni 231.604	136.444b	ppb	1.3576	1.0	389.101
Pb 220.353	435.272b	ppb	4.3219	1.0	609.104
Sb 206.834	5.9574b	ppb	6.4848	108.9	17.6608
Se 196.026	9.7020b	ppb	5.0297	51.8	10.0034
Sn 189.925	34.4256b	ppb	3.7654	10.9	17.2615
Sr 216.596	502.752b	ppb	0.4407	0.1	6203.66
Ti 334.941	1225.39b	ppb	1.3418	0.1	341285
Tl 190.794	-11.7950b	ppb	2.0121	17.1	-37.6895
V 292.401	212.147b	ppb	0.6744	0.3	5578.80
Zn 206.200	1156.31b	ppb	3.2252	0.3	1035.73

680-106200-b-15-a (Samp) **10/15/2014, 8:23:09 PM** **Rack 3, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	-2.8773u	-3.4636u	-2.9687u
Al 308.215	114601	114680	114490
As 188.980	280.536	285.466	278.431
B 249.678	29.3572u	29.1959u	30.2659u
Ba 389.178	1505.51	1504.88	1497.95
Be 313.042	9.1429	9.1267	9.0994
Ca 370.602	56812	56644	56578
Cd 226.502	2.2180	2.9108	3.0662
Co 228.615	138.942	139.650	138.862
Cr 267.716	281.187	281.053	280.756
Cu 324.754	355.735	360.880	358.921
Fe 271.441	304768	305587	304472
K 766.491	7844.60	7858.17	7833.64
Mg 279.078	12093.1	12098.6	12125.9
Mn 257.610	7392.01	7431.11	7395.80
Mo 202.032	16.3773	16.9804	16.0165
Na 330.237	791.787u	873.700u	825.659u
Ni 231.604	133.174	131.726	131.005
Pb 220.353	1094.55	1089.58	1085.46
Sb 206.834	3.8566	5.5624	3.0127
Se 196.026	9.9967	7.6039	4.9303
Sn 189.925	95.6791	97.9309	93.2405
Sr 216.596	264.503	265.365	266.124
Ti 334.941	1140.62	1140.95	1135.61
Tl 190.794	-3.0779u	-9.1056u	-5.9064u
V 292.401	417.744	416.864	416.590
Zn 206.200	1977.72	1982.54	1986.84

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.1032	ppb	0.3154	10.2	-270.460
Al 308.215	114590	ppb	95.2946	0.1	759224
As 188.980	281.478	ppb	3.6107	1.3	147.955
B 249.678	29.6063	ppb	0.5768	1.9	-155.206
Ba 389.178	1502.78	ppb	4.1893	0.3	30595.7
Be 313.042	9.1230	ppb	0.0220	0.2	14567.6
Ca 370.602	56678	ppb	120.8	0.2	128623
Cd 226.502	2.7316	ppb	0.4516	16.5	1202.83
Co 228.615	139.151	ppb	0.4334	0.3	1493.37

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	280.998	ppb	0.2206	0.1	14140.3
Cu 324.754	358.512	ppb	2.5966	0.7	25515.3
Fe 271.441	304942	ppb	577.540	0.2	429463
K 766.491	7845.47	ppb	12.2916	0.2	335940
Mg 279.078	12105.8	ppb	17.6001	0.1	29255.1
Mn 257.610	7406.31	ppb	21.5627	0.3	1532559
Mo 202.032	16.4581	ppb	0.4870	3.0	94.7301
Na 330.237	830.382	ppb	41.1603	5.0	-61.2933
Ni 231.604	131.968	ppb	1.1048	0.8	383.758
Pb 220.353	1089.86	ppb	4.5544	0.4	1535.70
Sb 206.834	4.1439	ppb	1.2989	31.3	18.4468
Se 196.026	7.5103	ppb	2.5345	33.7	9.3568
Sn 189.925	95.6169	ppb	2.3458	2.5	57.4933
Sr 216.596	265.331	ppb	0.8110	0.3	3243.59
Ti 334.941	1139.06	ppb	2.9886	0.3	316066
Tl 190.794	-6.0299	ppb	3.0157	50.0	-44.1226
V 292.401	417.066	ppb	0.6034	0.1	10913.0
Zn 206.200	1982.37	ppb	4.5642	0.2	1777.29

680-106200-b-42-a (Samp) **10/15/2014, 8:27:26 PM** **Rack 3, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-2.3133u	-1.7390u	-1.8565u
Al 308.215	135413	135215	135185
As 188.980	186.878	204.366	187.458
B 249.678	17.9197u	17.7209u	17.0494u
Ba 389.178	1060.23	1060.00	1061.93
Be 313.042	12.3366	12.3295	12.3202
Ca 370.602	45949	46055	45923
Cd 226.502	-2.4748	-3.1853	-2.7664
Co 228.615	204.947	203.826	203.810
Cr 267.716	405.168	405.567	405.133
Cu 324.754	227.557	227.862	226.233
Fe 271.441	508742	511016	508997
K 766.491	10804.2	10796.2	10811.1
Mg 279.078	13396.4	13374.2	13350.1
Mn 257.610	14716.4	14780.7	14744.5
Mo 202.032	20.1483	21.2569	21.0367
Na 330.237	461.071u	485.976u	505.929u
Ni 231.604	97.4155	96.9722	96.3933
Pb 220.353	479.213	474.106	474.180
Sb 206.834	-4.0991	1.8704	2.9209
Se 196.026	1.7602	-18.9200u	-11.1449
Sn 189.925	27.4264	32.8711	26.1008
Sr 216.596	129.310	130.748	129.680
Ti 334.941	555.941	555.250	555.542
Tl 190.794	-12.2857u	-13.3976u	-14.8880u
V 292.401	599.582	599.683	601.125
Zn 206.200	654.253	659.730	657.628

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9696	ppb	0.3034	15.4	-175.824
Al 308.215	135271	ppb	123.943	0.1	896433

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	192.900	ppb	9.9335	5.1	99.5270
B 249.678	17.5633	ppb	0.4560	2.6	-767.021
Ba 389.178	1060.72	ppb	1.0553	0.1	21734.3
Be 313.042	12.3288	ppb	0.0082	0.1	19784.4
Ca 370.602	45976	ppb	69.57	0.2	101828
Cd 226.502	-2.8088	ppb	0.3572	12.7	1727.20
Co 228.615	204.195	ppb	0.6516	0.3	2172.55
Cr 267.716	405.289	ppb	0.2411	0.1	20427.6
Cu 324.754	227.217	ppb	0.8657	0.4	16389.1
Fe 271.441	509585	ppb	1246.04	0.2	717660
K 766.491	10803.8	ppb	7.4593	0.1	462494
Mg 279.078	13373.6	ppb	23.1905	0.2	32193.1
Mn 257.610	14747.2	ppb	32.2489	0.2	3051192
Mo 202.032	20.8140	ppb	0.5869	2.8	112.770
Na 330.237	484.325	ppb	22.4746	4.6	-91.9796
Ni 231.604	96.9270	ppb	0.5126	0.5	302.183
Pb 220.353	475.833	ppb	2.9273	0.6	649.202
Sb 206.834	0.2307	ppb	3.7864	1641.2	20.6660
Se 196.026	-9.4349	ppb	10.4456	110.7	5.7917
Sn 189.925	28.7994	ppb	3.5879	12.5	13.5616
Sr 216.596	129.913	ppb	0.7466	0.6	1979.75
Ti 334.941	555.577	ppb	0.3469	0.1	154187
Tl 190.794	-13.5238	ppb	1.3057	9.7	-72.3021
V 292.401	600.130	ppb	0.8632	0.1	15716.2
Zn 206.200	657.204	ppb	2.7632	0.4	573.624

680-106200-b-6-a (Samp) **10/15/2014, 8:31:44 PM** **Rack 3, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	-2.1168u	-1.8702u	-2.4626u
Al 308.215	145012	145287	145017
As 188.980	306.668	323.491	309.572
B 249.678	34.7249u	35.7578u	36.6618u
Ba 389.178	1836.42	1842.27	1835.00
Be 313.042	11.4116	11.4116	11.3727
Ca 370.602	131257	130848	130400
Cd 226.502	2.5100	3.5278	3.4853
Co 228.615	145.522	144.017	143.740
Cr 267.716	322.460	322.180	322.222
Cu 324.754	400.112	400.987	399.911
Fe 271.441	432021	433436	432009
K 766.491	9347.16	9356.75	9330.31
Mg 279.078	18014.7	18034.4	18003.1
Mn 257.610	11006.6	11070.2	11024.2
Mo 202.032	23.4795	22.9731	23.0231
Na 330.237	967.688u	1008.52u	1163.64u
Ni 231.604	134.831	134.569	138.121
Pb 220.353	1185.07	1195.22	1192.94
Sb 206.834	3.9123	10.1876	11.8681
Se 196.026	9.1525	8.3440	5.3342
Sn 189.925	95.2235	90.1236	102.465
Sr 216.596	343.450	345.063	341.768
Ti 334.941	1412.45	1413.33	1409.07

Label	Replicates Concentration		
Tl 190.794	-11.7778u	-11.1055u	-15.2800u
V 292.401	595.187	595.493	595.332
Zn 206.200	2221.51	2213.88	2222.09

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1499	ppb	0.2976	13.8	-201.901
Al 308.215	145105	ppb	157.229	0.1	961383
As 188.980	313.244	ppb	8.9922	2.9	164.578
B 249.678	35.7148	ppb	0.9691	2.7	-331.320
Ba 389.178	1837.90	ppb	3.8528	0.2	37464.1
Be 313.042	11.3986	ppb	0.0224	0.2	18299.9
Ca 370.602	130835	ppb	428.7	0.3	298975
Cd 226.502	3.1744	ppb	0.5758	18.1	1676.81
Co 228.615	144.426	ppb	0.9586	0.7	1561.44
Cr 267.716	322.288	ppb	0.1513	0.0	16260.6
Cu 324.754	400.337	ppb	0.5719	0.1	28499.4
Fe 271.441	432489	ppb	820.565	0.2	609083
K 766.491	9344.74	ppb	13.3860	0.1	400076
Mg 279.078	18017.4	ppb	15.8371	0.1	43540.0
Mn 257.610	11033.6	ppb	32.8388	0.3	2283069
Mo 202.032	23.1585	ppb	0.2791	1.2	130.557
Na 330.237	1046.61	ppb	103.379	9.9	-87.4331
Ni 231.604	135.840	ppb	1.9795	1.5	404.251
Pb 220.353	1191.08	ppb	5.3219	0.4	1672.48
Sb 206.834	8.6560	ppb	4.1932	48.4	28.5736
Se 196.026	7.6103	ppb	2.0121	26.4	11.0633
Sn 189.925	95.9373	ppb	6.2016	6.5	57.7039
Sr 216.596	343.427	ppb	1.6477	0.5	4258.71
Ti 334.941	1411.62	ppb	2.2499	0.2	391723
Tl 190.794	-12.7211	ppb	2.2414	17.6	-64.1362
V 292.401	595.337	ppb	0.1531	0.0	15580.3
Zn 206.200	2219.16	ppb	4.5828	0.2	1985.92

680-106200-b-57-a (Samp) **10/15/2014, 8:36:02 PM** **Rack 3, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	-1.1984u	-0.1227u	-1.0552u
Al 308.215	100362	100297	100287
As 188.980	76.0023	81.2578	80.0851
B 249.678	10.7894u	10.1753u	10.7884u
Ba 389.178	492.175	492.158	493.014
Be 313.042	9.8722	9.8835	9.9041
Ca 370.602	4559	4570	4575
Cd 226.502	-2.9180	-2.9002	-3.2772
Co 228.615	22.9287	22.4500	23.0075
Cr 267.716	143.302	143.350	143.862
Cu 324.754	264.640	267.021	267.777
Fe 271.441	310784	311427	312062
K 766.491	10278.1	10281.8	10292.8
Mg 279.078	2949.60	2945.81	2953.78
Mn 257.610	2829.71	2825.99	2840.76
Mo 202.032	10.8051	10.6260	10.3109
Na 330.237	306.810u	361.722u	165.950u

Label	Replicates Concentration		
Ni 231.604	36.2638	34.4520	33.5989
Pb 220.353	271.296	270.438	271.821
Sb 206.834	2.9207	1.1530	1.4336
Se 196.026	1.8097	-3.0729	6.7269
Sn 189.925	18.9175	23.5279	16.7623
Sr 216.596	72.6153	72.7450	72.1919
Ti 334.941	354.531	355.175	356.274
Tl 190.794	-11.1825u	-9.0383u	-6.9476u
V 292.401	278.237	279.190	280.166
Zn 206.200	362.915	354.706	360.328

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7921	ppb	0.5841	73.7	-108.433
Al 308.215	100316	ppb	40.6750	0.0	664762
As 188.980	79.1151	ppb	2.7588	3.5	39.2343
B 249.678	10.5843	ppb	0.3543	3.3	-457.418
Ba 389.178	492.449	ppb	0.4896	0.1	10096.4
Be 313.042	9.8866	ppb	0.0161	0.2	15789.1
Ca 370.602	4568	ppb	8.648	0.2	7720
Cd 226.502	-3.0318	ppb	0.2127	7.0	1011.80
Co 228.615	22.7954	ppb	0.3017	1.3	266.653
Cr 267.716	143.505	ppb	0.3103	0.2	7300.12
Cu 324.754	266.479	ppb	1.6375	0.6	19065.0
Fe 271.441	311424	ppb	639.317	0.2	438577
K 766.491	10284.2	ppb	7.6521	0.1	440264
Mg 279.078	2949.73	ppb	3.9862	0.1	7099.12
Mn 257.610	2832.15	ppb	7.6803	0.3	586614
Mo 202.032	10.5807	ppb	0.2502	2.4	58.1996
Na 330.237	278.161	ppb	100.982	36.3	-47.5068
Ni 231.604	34.7716	ppb	1.3609	3.9	115.287
Pb 220.353	271.185	ppb	0.6983	0.3	367.530
Sb 206.834	1.8358	ppb	0.9500	51.8	14.2429
Se 196.026	1.8212	ppb	4.8999	269.0	6.3436
Sn 189.925	19.7359	ppb	3.4563	17.5	7.6028
Sr 216.596	72.5174	ppb	0.2893	0.4	1129.06
Ti 334.941	355.326	ppb	0.8815	0.2	98579.5
Tl 190.794	-9.0561	ppb	2.1175	23.4	-50.4938
V 292.401	279.198	ppb	0.9646	0.3	7337.34
Zn 206.200	359.316	ppb	4.1969	1.2	313.111

680-106200-b-43-a (Samp) **10/15/2014, 8:40:19 PM** **Rack 3, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3842u	-0.3233u	-0.3087u
Al 308.215	121300	121627	121595
As 188.980	313.143	323.040	310.207
B 249.678	66.6250	68.2460	67.9407
Ba 389.178	1608.83	1613.67	1609.72
Be 313.042	11.5985	11.6107	11.6011
Ca 370.602	429391	431306	425850
Cd 226.502	2.8971	3.4942	3.7751
Co 228.615	79.5885	80.3995	80.9819
Cr 267.716	296.141	296.463	296.116

Label	Replicates Concentration		
Cu 324.754	376.622	373.380	373.035
Fe 271.441	390859	391246	390450
K 766.491	14172.1	14678.6	14574.6
Mg 279.078	149449	149688	149908
Mn 257.610	12482.8	12477.6	12497.4
Mo 202.032	25.3234	26.2760	24.6507
Na 330.237	1718.55u	1367.21u	1550.78u
Ni 231.604	145.276	145.669	142.954
Pb 220.353	1030.88	1023.18	1025.14
Sb 206.834	5.1919	4.9498	9.3922
Se 196.026	17.2472	3.0560	3.1108
Sn 189.925	66.6382	71.9852	66.4965
Sr 216.596	557.261	560.219	560.862
Ti 334.941	1753.47	1754.20	1751.42
Tl 190.794	-18.2308u	-15.8898u	-14.0603u
V 292.401	381.854	381.611	379.884
Zn 206.200	1757.09	1766.61	1785.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3387	ppb	0.0400	11.8	-58.6375
Al 308.215	121508	ppb	180.342	0.1	805140
As 188.980	315.463	ppb	6.7237	2.1	165.786
B 249.678	67.6039	ppb	0.8614	1.3	237.439
Ba 389.178	1610.74	ppb	2.5746	0.2	33002.8
Be 313.042	11.6034	ppb	0.0064	0.1	18709.0
Ca 370.602	428849	ppb	2768	0.6	988442
Cd 226.502	3.3888	ppb	0.4484	13.2	1539.00
Co 228.615	80.3233	ppb	0.6998	0.9	897.645
Cr 267.716	296.240	ppb	0.1937	0.1	14959.1
Cu 324.754	374.346	ppb	1.9788	0.5	26662.5
Fe 271.441	390852	ppb	397.695	0.1	550439
K 766.491	14475.1	ppb	267.542	1.8	619543
Mg 279.078	149682	ppb	229.518	0.2	363400
Mn 257.610	12485.9	ppb	10.2668	0.1	2584236
Mo 202.032	25.4167	ppb	0.8166	3.2	146.504
Na 330.237	1545.51	ppb	175.728	11.4	-43.4163
Ni 231.604	144.633	ppb	1.4670	1.0	425.589
Pb 220.353	1026.40	ppb	4.0035	0.4	1440.56
Sb 206.834	6.5113	ppb	2.4979	38.4	24.1927
Se 196.026	7.8047	ppb	8.1775	104.8	11.1084
Sn 189.925	68.3733	ppb	3.1288	4.6	39.5812
Sr 216.596	559.448	ppb	1.9208	0.3	6676.75
Ti 334.941	1753.03	ppb	1.4399	0.1	486673
Tl 190.794	-16.0603	ppb	2.0905	13.0	-62.2658
V 292.401	381.116	ppb	1.0743	0.3	10020.8
Zn 206.200	1769.66	ppb	14.3313	0.8	1582.04

680-106200-b-41-a (Samp) **10/15/2014, 8:44:36 PM** **Rack 3, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-2.7022u	-2.6439u	-2.3296u
Al 308.215	135450	135430	135601
As 188.980	212.120	202.893	206.618

Label	Replicates Concentration		
B 249.678	17.6432u	17.2893u	16.6279u
Ba 389.178	1355.56	1358.11	1357.63
Be 313.042	14.8820	14.9220	14.9141
Ca 370.602	59569	59611	59717
Cd 226.502	-0.7273	-0.7204	-1.1148
Co 228.615	248.190	250.280	250.797
Cr 267.716	313.752	314.190	313.637
Cu 324.754	405.459	408.572	407.043
Fe 271.441	513923	514140	513640
K 766.491	12440.9	12462.1	12445.0
Mg 279.078	28563.9	28589.1	28580.3
Mn 257.610	15253.5	15227.0	15317.9
Mo 202.032	24.5427	24.3858	24.0758
Na 330.237	160.413u	414.906u	297.700u
Ni 231.604	106.136	103.323	106.251
Pb 220.353	557.795	554.177	558.940
Sb 206.834	-1.2762	3.0675	-3.5291
Se 196.026	11.1620	3.5742	6.9128
Sn 189.925	48.4678	52.7725	52.2696
Sr 216.596	123.264	123.482	122.443
Ti 334.941	546.688	547.854	547.963
Tl 190.794	-16.1264u	-11.7350u	-9.9416u
V 292.401	521.106	521.590	521.994
Zn 206.200	846.287	844.765	846.502

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.5586	ppb	0.2004	7.8	-219.784
Al 308.215	135493	ppb	93.2558	0.1	897906
As 188.980	207.210	ppb	4.6418	2.2	107.180
B 249.678	17.1868	ppb	0.5153	3.0	-782.765
Ba 389.178	1357.10	ppb	1.3561	0.1	27766.7
Be 313.042	14.9060	ppb	0.0212	0.1	23979.0
Ca 370.602	59632	ppb	75.94	0.1	133359
Cd 226.502	-0.8542	ppb	0.2257	26.4	1817.64
Co 228.615	249.755	ppb	1.3804	0.6	2647.02
Cr 267.716	313.860	ppb	0.2915	0.1	15896.0
Cu 324.754	407.025	ppb	1.5563	0.4	29003.3
Fe 271.441	513901	ppb	250.686	0.0	723743
K 766.491	12449.3	ppb	11.2536	0.1	532885
Mg 279.078	28577.8	ppb	12.7797	0.0	69121.7
Mn 257.610	15266.1	ppb	46.7113	0.3	3158621
Mo 202.032	24.3347	ppb	0.2376	1.0	134.430
Na 330.237	291.007	ppb	127.379	43.8	-106.997
Ni 231.604	105.237	ppb	1.6581	1.6	325.467
Pb 220.353	556.971	ppb	2.4861	0.4	764.629
Sb 206.834	-0.5793	ppb	3.3531	578.8	18.7432
Se 196.026	7.2163	ppb	3.8030	52.7	12.3438
Sn 189.925	51.1700	ppb	2.3536	4.6	28.2698
Sr 216.596	123.063	ppb	0.5479	0.4	1914.33
Ti 334.941	547.502	ppb	0.7068	0.1	151972
Tl 190.794	-12.6010	ppb	3.1820	25.3	-71.7251
V 292.401	521.564	ppb	0.4446	0.1	13685.0
Zn 206.200	845.851	ppb	0.9471	0.1	743.866

680-106200-b-55-a (Samp) **10/15/2014, 8:48:53 PM** **Rack 3, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	-0.8993u	-0.5585u	-0.6745u
Al 308.215	114335	114294	114328
As 188.980	161.008	146.488	152.766
B 249.678	31.7981u	32.6112u	31.7493u
Ba 389.178	1453.84	1453.39	1454.53
Be 313.042	10.7913	10.7760	10.7804
Ca 370.602	296885	298244	296633
Cd 226.502	3.9574	3.9943	4.0465
Co 228.615	93.9459	93.2118	93.8811
Cr 267.716	231.473	231.649	231.590
Cu 324.754	579.875	580.380	587.660
Fe 271.441	290199	290394	290873
K 766.491	14396.5	14365.0	14377.4
Mg 279.078	63969.6	63901.0	64078.8
Mn 257.610	11776.3	11799.8	11847.0
Mo 202.032	15.5194	14.8320	14.9998
Na 330.237	913.537u	633.733u	982.722u
Ni 231.604	85.7499	88.8306	83.6123
Pb 220.353	694.916	689.644	694.403
Sb 206.834	4.7925	3.8346	2.5214
Se 196.026	9.5192	-0.0023	19.4716
Sn 189.925	71.7226	75.1474	75.6464
Sr 216.596	351.409	352.505	354.666
Ti 334.941	680.328	679.507	680.128
Tl 190.794	-2.2198u	-6.7934u	-12.8995u
V 292.401	283.944	284.119	284.524
Zn 206.200	2316.32	2321.25	2333.44

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7108	ppb	0.1732	24.4	-66.9434
Al 308.215	114319	ppb	21.7766	0.0	757394
As 188.980	153.421	ppb	7.2823	4.7	79.3257
B 249.678	32.0529	ppb	0.4842	1.5	-89.0025
Ba 389.178	1453.92	ppb	0.5757	0.0	29663.2
Be 313.042	10.7825	ppb	0.0079	0.1	17334.9
Ca 370.602	297254	ppb	866.5	0.3	684821
Cd 226.502	3.9994	ppb	0.0448	1.1	1201.20
Co 228.615	93.6796	ppb	0.4064	0.4	1010.05
Cr 267.716	231.571	ppb	0.0892	0.0	11701.7
Cu 324.754	582.638	ppb	4.3562	0.7	41230.8
Fe 271.441	290489	ppb	346.543	0.1	409102
K 766.491	14379.6	ppb	15.8693	0.1	615460
Mg 279.078	63983.2	ppb	89.6964	0.1	155210
Mn 257.610	11807.7	ppb	35.9657	0.3	2443075
Mo 202.032	15.1171	ppb	0.3584	2.4	87.1562
Na 330.237	843.331	ppb	184.784	21.9	-64.9608
Ni 231.604	86.0643	ppb	2.6233	3.0	255.635
Pb 220.353	692.987	ppb	2.9070	0.4	971.629
Sb 206.834	3.7162	ppb	1.1402	30.7	16.9764
Se 196.026	9.6628	ppb	9.7377	100.8	10.9301
Sn 189.925	74.1721	ppb	2.1360	2.9	43.3938
Sr 216.596	352.860	ppb	1.6573	0.5	4268.75

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	679.988	ppb	0.4281	0.1	188768
Tl 190.794	-7.3042	ppb	5.3582	73.4	-42.0007
V 292.401	284.196	ppb	0.2976	0.1	7460.36
Zn 206.200	2323.67	ppb	8.8096	0.4	2085.86

680-106200-b-12-a (Samp) **10/15/2014, 8:53:11 PM** **Rack 3, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-2.9294u	-3.2259u	-3.0794u
Al 308.215	126504	126610	126692
As 188.980	398.856	394.941	390.534
B 249.678	30.0160u	30.6992u	30.4559u
Ba 389.178	731.911	731.349	731.475
Be 313.042	6.9487	6.9692	6.9521
Ca 370.602	46713	46894	46803
Cd 226.502	-1.8677	-1.4290	-1.1675
Co 228.615	171.317	172.046	171.992
Cr 267.716	249.218	249.527	248.655
Cu 324.754	307.552	307.171	304.757
Fe 271.441	363184	364050	363371
K 766.491	7602.83	7621.66	7639.19
Mg 279.078	10487.9	10504.2	10477.4
Mn 257.610	6336.83	6355.99	6344.06
Mo 202.032	18.8592	20.2791	18.3989
Na 330.237	728.896u	763.642u	658.516u
Ni 231.604	128.429	131.772	131.900
Pb 220.353	592.347	595.048	590.035
Sb 206.834	0.6624	3.8808	-0.4998
Se 196.026	-10.4256u	9.8053	6.3352
Sn 189.925	137.135	134.461	136.370
Sr 216.596	272.374	273.366	273.379
Ti 334.941	1217.31	1218.46	1219.43
Tl 190.794	-8.2071u	-15.0980u	-9.3241u
V 292.401	531.366	532.115	531.448
Zn 206.200	940.302	945.088	949.151

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.0782	ppb	0.1482	4.8	-282.607
Al 308.215	126602	ppb	94.4171	0.1	838819
As 188.980	394.777	ppb	4.1632	1.1	208.526
B 249.678	30.3904	ppb	0.3463	1.1	-267.507
Ba 389.178	731.578	ppb	0.2951	0.0	14982.4
Be 313.042	6.9567	ppb	0.0110	0.2	11042.7
Ca 370.602	46803	ppb	90.29	0.2	105227
Cd 226.502	-1.4881	ppb	0.3538	23.8	1256.22
Co 228.615	171.785	ppb	0.4057	0.2	1838.36
Cr 267.716	249.133	ppb	0.4424	0.2	12579.6
Cu 324.754	306.493	ppb	1.5158	0.5	21889.8
Fe 271.441	363535	ppb	455.604	0.1	511981
K 766.491	7621.22	ppb	18.1828	0.2	326347
Mg 279.078	10489.8	ppb	13.4724	0.1	25344.3
Mn 257.610	6345.63	ppb	9.6770	0.2	1313377
Mo 202.032	19.1791	ppb	0.9800	5.1	108.932

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	717.018	ppb	53.5602	7.5	-55.0346
Ni 231.604	130.700	ppb	1.9682	1.5	384.691
Pb 220.353	592.477	ppb	2.5091	0.4	822.469
Sb 206.834	1.3478	ppb	2.2693	168.4	16.1745
Se 196.026	1.9050	ppb	10.8186	567.9	7.4461
Sn 189.925	135.989	ppb	1.3774	1.0	84.0373
Sr 216.596	273.039	ppb	0.5766	0.2	3387.64
Ti 334.941	1218.40	ppb	1.0594	0.1	338087
Tl 190.794	-10.8764	ppb	3.6984	34.0	-56.1934
V 292.401	531.643	ppb	0.4107	0.1	13905.8
Zn 206.200	944.847	ppb	4.4296	0.5	839.093

Cont Calib Verif (CCV) **10/15/2014, 8:57:28 PM** **Rack 3, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	487.795	488.604	487.404
Al 308.215	4843.28	4839.70	4784.10
As 188.980	459.473	457.075	458.202
B 249.678	478.021	478.913	480.572
Ba 389.178	4774.73	4766.95	4757.04
Be 313.042	480.746	480.228	478.371
Ca 370.602	4753	4741	4713
Cd 226.502	476.513	476.229	476.024
Co 228.615	484.007	482.410	483.676
Cr 267.716	4782.87	4774.67	4762.79
Cu 324.754	5058.39	5004.19	5075.64
Fe 271.441	4853.16	4833.83	4831.95
K 766.491	10125.0	10110.5	10073.3
Mg 279.078	4820.19	4813.41	4802.24
Mn 257.610	4914.50	4897.44	4882.62
Mo 202.032	481.915	480.890	482.161
Na 330.237	7550.80	7349.42	7513.67
Ni 231.604	2421.69	2417.87	2419.79
Pb 220.353	481.081	477.822	480.205
Sb 206.834	911.131	926.540	914.642
Se 196.026	4765.72	4795.53	4756.44
Sn 189.925	4791.17	4798.96	4785.03
Sr 216.596	2355.91	2351.68	2353.66
Ti 334.941	481.014	480.332	478.129
Tl 190.794	4876.54	4867.31	4854.57
V 292.401	4806.03	4805.15	4788.46
Zn 206.200	2349.88	2332.55	2334.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.934	ppb	0.6121	0.1	37686.2	97.58688
Al 308.215	4822.36	ppb	33.1825	0.7	32807.4	96.44729
As 188.980	458.250	ppb	1.1999	0.3	243.335	91.64999
B 249.678	479.168	ppb	1.2944	0.3	7283.16	95.83369
Ba 389.178	4766.24	ppb	8.8640	0.2	96635.1	95.32485
Be 313.042	479.782	ppb	1.2487	0.3	780926	95.95631
Ca 370.602	4736	ppb	20.85	0.4	11217	94.71176
Cd 226.502	476.255	ppb	0.2456	0.1	17854.1	95.25109
Co 228.615	483.364	ppb	0.8429	0.2	5042.61	96.67284

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	4773.44	ppb	10.1000	0.2	236873	95.46886
Cu 324.754	5046.07	ppb	37.2805	0.7	354117	100.92145
Fe 271.441	4839.64	ppb	11.7386	0.2	6918.11	96.79289
K 766.491	10103.0	ppb	26.6568	0.3	432511	101.02958
Mg 279.078	4811.95	ppb	9.0607	0.2	11617.7	96.23892
Mn 257.610	4898.19	ppb	15.9536	0.3	1012995	97.96376
Mo 202.032	481.655	ppb	0.6740	0.1	2981.96	96.33110
Na 330.237	7471.29	ppb	107.171	1.4	319.567	99.61726
Ni 231.604	2419.78	ppb	1.9077	0.1	6697.73	96.79125
Pb 220.353	479.703	ppb	1.6866	0.4	687.595	95.94056
Sb 206.834	917.438	ppb	8.0761	0.9	1254.64	91.74379
Se 196.026	4772.57	ppb	20.4242	0.4	1841.22	95.45131
Sn 189.925	4791.72	ppb	6.9798	0.1	3145.11	95.83443
Sr 216.596	2353.75	ppb	2.1164	0.1	25661.1	94.15005
Ti 334.941	479.825	ppb	1.5079	0.3	133089	95.96501
Tl 190.794	4866.14	ppb	11.0335	0.2	4759.46	97.32278
V 292.401	4799.88	ppb	9.9016	0.2	124124	95.99760
Zn 206.200	2339.13	ppb	9.3897	0.4	2098.99	93.56518

Cont Calib Blank (CCB) **10/15/2014, 9:01:47 PM** **Rack 3, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.0937	0.0610	0.0695
Al 308.215	13.7002	13.7490	15.2090
As 188.980	3.5365	3.2407	2.8749
B 249.678	8.0139	7.8232	6.4007
Ba 389.178	0.4012	0.7178	0.8177
Be 313.042	0.0717	0.0790	0.1039
Ca 370.602	6.566	8.957	8.880
Cd 226.502	-0.0411u	-0.0643u	0.0036
Co 228.615	-0.2829u	0.3140	-0.0999u
Cr 267.716	0.6754	0.5420	0.9350
Cu 324.754	0.8170	0.6670	1.1209
Fe 271.441	9.8940	17.4687	21.5894
K 766.491	-0.4325u	-0.8809u	-0.1925u
Mg 279.078	-0.3398u	2.7302	4.5615
Mn 257.610	1.1050	1.0664	1.5460
Mo 202.032	0.5293	-0.0311u	0.4575
Na 330.237	-39.1998u	17.2329	-60.9456u
Ni 231.604	0.0110	0.6585	1.5019
Pb 220.353	-1.3433u	-0.5652u	1.3928
Sb 206.834	-0.3613u	3.0518	3.7167
Se 196.026	3.0851	2.9791	7.2611
Sn 189.925	-2.6733u	-0.2959u	5.4240
Sr 216.596	0.3283	0.1259	0.5131
Ti 334.941	0.2283	0.2030	0.2843
Tl 190.794	1.5723	1.6280	0.6714
V 292.401	0.7811	0.6452	0.9930
Zn 206.200	0.8164	1.6227	1.7164

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0747	ppb	0.0170	22.7	-4.6801	0.07474
Al 308.215	14.2194	ppb	0.8574	6.0	488.581	14.21941

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	3.2174	ppb	0.3315	10.3	-0.6859	3.21738
B 249.678	7.4126	ppb	0.8815	11.9	147.544	7.41263
Ba 389.178	0.6456	ppb	0.2175	33.7	-37.6750	0.64556
Be 313.042	0.0849	ppb	0.0169	19.9	-178.880	0.08487
Ca 370.602	8.134	ppb	1.359	16.7	29.87	8.13419
Cd 226.502	-0.0339	ppb	0.0345	101.8	12.0014	-0.03390
Co 228.615	-0.0229	ppb	0.3058	1332.8	2.9131	-0.02294
Cr 267.716	0.7175	ppb	0.1999	27.9	66.7378	0.71745
Cu 324.754	0.8683	ppb	0.2312	26.6	310.798	0.86829
Fe 271.441	16.3173	ppb	5.9321	36.4	29.8295	16.31735
K 766.491	-0.5020	ppb	0.3494	69.6	303.609	-0.50196
Mg 279.078	2.3173	ppb	2.4766	106.9	24.5344	2.31728
Mn 257.610	1.2391	ppb	0.2665	21.5	297.015	1.23914
Mo 202.032	0.3186	ppb	0.3049	95.7	8.2454	0.31857
Na 330.237	-27.6375	ppb	40.3514	146.0	20.6922	-27.63746
Ni 231.604	0.7238	ppb	0.7476	103.3	-2.7707	0.72377
Pb 220.353	-0.1719	ppb	1.4098	820.2	0.1896	-0.17190
Sb 206.834	2.1357	ppb	2.1879	102.4	3.9433	2.13574
Se 196.026	4.4418	ppb	2.4422	55.0	4.4506	4.44176
Sn 189.925	0.8183	ppb	4.1620	508.6	-4.8348	0.81826
Sr 216.596	0.3224	ppb	0.1936	60.1	5.9181	0.32245
Ti 334.941	0.2385	ppb	0.0416	17.4	4.3281	0.23855
Tl 190.794	1.2905	ppb	0.5369	41.6	-4.7010	1.29055
V 292.401	0.8065	ppb	0.1753	21.7	13.7448	0.80645
Zn 206.200	1.3852	ppb	0.4947	35.7	2.4537	1.38516

680-106200-b-9-a (Samp) **10/15/2014, 9:06:05 PM** **Rack 3, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-1.5314u	-1.1049u	-1.6090u
Al 308.215	107863	108123	108027
As 188.980	161.685	168.772	165.355
B 249.678	12.3366u	14.5812u	13.6484u
Ba 389.178	198.266	198.752	198.652
Be 313.042	4.5727	4.5639	4.5553
Ca 370.602	20593	20579	20487
Cd 226.502	-4.2578	-4.3939	-3.7658
Co 228.615	51.6129	51.6529	52.1194
Cr 267.716	223.391	224.146	223.541
Cu 324.754	119.093	120.621	119.456
Fe 271.441	306275	306446	306309
K 766.491	4346.48	4348.21	4335.91
Mg 279.078	6042.64	6045.57	6057.80
Mn 257.610	1817.51	1817.02	1815.49
Mo 202.032	9.1224	9.3989	9.9916
Na 330.237	278.873u	317.903u	200.808u
Ni 231.604	64.6380	62.7287	63.8436
Pb 220.353	135.635	136.643	139.312
Sb 206.834	1.8298	4.8221	4.0401
Se 196.026	-6.4946	5.2565	14.5959
Sn 189.925	22.7079	24.5141	30.2610
Sr 216.596	95.6323	96.6211	95.4683
Ti 334.941	672.938	673.567	672.840

Label	Replicates Concentration		
Tl 190.794	-6.6100u	-3.8601u	-6.8629u
V 292.401	419.225	419.496	419.350
Zn 206.200	297.689	289.750	292.224

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4151	ppb	0.2714	19.2	-160.814
Al 308.215	108005	ppb	131.346	0.1	715644
As 188.980	165.271	ppb	3.5442	2.1	85.5572
B 249.678	13.5221	ppb	1.1277	8.3	-398.354
Ba 389.178	198.557	ppb	0.2566	0.1	4136.61
Be 313.042	4.5640	ppb	0.0087	0.2	7136.92
Ca 370.602	20553	ppb	57.42	0.3	44832
Cd 226.502	-4.1392	ppb	0.3305	8.0	945.485
Co 228.615	51.7950	ppb	0.2816	0.5	574.483
Cr 267.716	223.692	ppb	0.3997	0.2	11270.9
Cu 324.754	119.724	ppb	0.7985	0.7	8767.22
Fe 271.441	306343	ppb	90.7292	0.0	431426
K 766.491	4343.53	ppb	6.6601	0.2	186133
Mg 279.078	6048.67	ppb	8.0423	0.1	14644.3
Mn 257.610	1816.67	ppb	1.0559	0.1	376625
Mo 202.032	9.5043	ppb	0.4441	4.7	51.6984
Na 330.237	265.861	ppb	59.6220	22.4	-45.3950
Ni 231.604	63.7368	ppb	0.9591	1.5	194.932
Pb 220.353	137.197	ppb	1.9002	1.4	176.510
Sb 206.834	3.5640	ppb	1.5519	43.5	17.1409
Se 196.026	4.4526	ppb	10.5682	237.3	7.1065
Sn 189.925	25.8277	ppb	3.9442	15.3	11.6080
Sr 216.596	95.9072	ppb	0.6236	0.7	1381.56
Ti 334.941	673.115	ppb	0.3947	0.1	186765
Tl 190.794	-5.7776	ppb	1.6655	28.8	-46.6299
V 292.401	419.357	ppb	0.1357	0.0	10969.0
Zn 206.200	293.221	ppb	4.0626	1.4	253.549

680-106200-b-14-a (Samp) **10/15/2014, 9:10:22 PM** **Rack 3, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	0.1990u	0.0002u	-0.5367u
Al 308.215	133839	133926	133896
As 188.980	304.367	314.981	298.958
B 249.678	31.5121u	31.6050u	31.2118u
Ba 389.178	1937.48	1934.49	1929.89
Be 313.042	11.8247	11.8433	11.8139
Ca 370.602	68020	67934	67764
Cd 226.502	3.3933	3.9596	3.7561
Co 228.615	107.376	108.035	108.567
Cr 267.716	412.701	412.430	411.669
Cu 324.754	451.757	452.390	451.206
Fe 271.441	445392	445798	442568
K 766.491	9604.39	9605.23	9642.43
Mg 279.078	14805.8	14790.0	14749.3
Mn 257.610	13310.1	13345.7	13326.2
Mo 202.032	26.9924	27.5418	29.3014
Na 330.237	1111.45u	925.719u	1349.60u

Label	Replicates Concentration		
Ni 231.604	155.979	156.335	157.686
Pb 220.353	1410.98	1409.08	1407.93
Sb 206.834	9.8261	3.6552	7.3224
Se 196.026	1.5219	-12.7017	4.1127
Sn 189.925	122.769	127.994	129.359
Sr 216.596	338.688	338.220	336.510
Ti 334.941	1550.53	1550.29	1547.99
Tl 190.794	-8.8958u	-19.2929u	-9.1509u
V 292.401	542.571	541.301	541.939
Zn 206.200	3064.90	3053.28	3051.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1125	ppb	0.3805	338.3	-35.2146
Al 308.215	133887	ppb	44.2866	0.0	887161
As 188.980	306.102	ppb	8.1512	2.7	160.597
B 249.678	31.4430	ppb	0.2056	0.7	-416.983
Ba 389.178	1933.95	ppb	3.8256	0.2	39413.1
Be 313.042	11.8273	ppb	0.0149	0.1	18972.5
Ca 370.602	67906	ppb	130.4	0.2	153494
Cd 226.502	3.7030	ppb	0.2869	7.7	1732.39
Co 228.615	107.993	ppb	0.5969	0.6	1184.92
Cr 267.716	412.267	ppb	0.5349	0.1	20740.4
Cu 324.754	451.784	ppb	0.5926	0.1	32112.9
Fe 271.441	444586	ppb	1759.29	0.4	626115
K 766.491	9617.35	ppb	21.7243	0.2	411738
Mg 279.078	14781.7	ppb	29.1484	0.2	35642.1
Mn 257.610	13327.3	ppb	17.8165	0.1	2757386
Mo 202.032	27.9452	ppb	1.2062	4.3	159.806
Na 330.237	1128.92	ppb	212.479	18.8	-106.700
Ni 231.604	156.667	ppb	0.9006	0.6	462.788
Pb 220.353	1409.33	ppb	1.5417	0.1	1983.66
Sb 206.834	6.9346	ppb	3.1037	44.8	27.4446
Se 196.026	-2.3557	ppb	9.0531	384.3	7.7256
Sn 189.925	126.707	ppb	3.4780	2.7	77.9346
Sr 216.596	337.806	ppb	1.1465	0.3	4185.01
Ti 334.941	1549.60	ppb	1.4029	0.1	430006
Tl 190.794	-12.4466	ppb	5.9305	47.6	-64.2697
V 292.401	541.937	ppb	0.6346	0.1	14197.3
Zn 206.200	3056.48	ppb	7.3574	0.2	2740.72

680-106200-b-24-a (Samp) **10/15/2014, 9:14:39 PM** **Rack 3, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-4.6593u	-5.1080u	-4.8302u
Al 308.215	135596	135238	135458
As 188.980	287.564	267.806	281.364
B 249.678	19.4753u	19.1676u	19.5388u
Ba 389.178	312.564	312.807	312.029
Be 313.042	6.1930	6.1953	6.1822
Ca 370.602	21680	21599	21531
Cd 226.502	-3.8568	-3.9353	-3.8547
Co 228.615	196.861	195.602	197.336
Cr 267.716	255.984	255.652	255.259

Label	Replicates Concentration		
Cu 324.754	311.305	313.708	313.213
Fe 271.441	348529	347957	348230
K 766.491	9345.25	9366.80	9343.28
Mg 279.078	10725.4	10673.8	10687.9
Mn 257.610	3099.99	3090.14	3090.41
Mo 202.032	13.4266	14.7191	13.4683
Na 330.237	-22.4475u	105.818u	71.2695u
Ni 231.604	157.777	156.938	156.109
Pb 220.353	258.847	260.895	260.539
Sb 206.834	0.6834	-2.2641	2.6671
Se 196.026	-0.5610	0.2215	-4.5615
Sn 189.925	29.0455	25.0353	28.3863
Sr 216.596	84.1157	84.8068	83.7485
Ti 334.941	835.897	836.941	834.203
Tl 190.794	-8.8945u	-7.1536u	-7.5631u
V 292.401	499.365	499.106	498.660
Zn 206.200	362.295	360.738	361.296

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.8659	ppb	0.2264	4.7	-427.762
Al 308.215	135431	ppb	180.542	0.1	897210
As 188.980	278.912	ppb	10.1046	3.6	146.532
B 249.678	19.3939	ppb	0.1986	1.0	-398.810
Ba 389.178	312.467	ppb	0.3978	0.1	6474.14
Be 313.042	6.1901	ppb	0.0070	0.1	9788.24
Ca 370.602	21603	ppb	74.26	0.3	46930
Cd 226.502	-3.8823	ppb	0.0459	1.2	1107.10
Co 228.615	196.599	ppb	0.8963	0.5	2088.59
Cr 267.716	255.632	ppb	0.3628	0.1	12879.9
Cu 324.754	312.742	ppb	1.2689	0.4	22321.5
Fe 271.441	348239	ppb	285.860	0.1	490442
K 766.491	9351.78	ppb	13.0486	0.1	400377
Mg 279.078	10695.7	ppb	26.6707	0.2	25901.4
Mn 257.610	3093.51	ppb	5.6091	0.2	640820
Mo 202.032	13.8713	ppb	0.7345	5.3	76.8291
Na 330.237	51.5466	ppb	66.3684	128.8	-67.6400
Ni 231.604	156.941	ppb	0.8337	0.5	456.062
Pb 220.353	260.093	ppb	1.0942	0.4	348.978
Sb 206.834	0.3622	ppb	2.4813	685.1	14.4784
Se 196.026	-1.6337	ppb	2.5656	157.0	5.3309
Sn 189.925	27.4891	ppb	2.1504	7.8	12.7002
Sr 216.596	84.2237	ppb	0.5373	0.6	1297.53
Ti 334.941	835.680	ppb	1.3817	0.2	231888
Tl 190.794	-7.8704	ppb	0.9102	11.6	-52.7036
V 292.401	499.043	ppb	0.3564	0.1	13049.7
Zn 206.200	361.443	ppb	0.7892	0.2	313.387

mb 680-353389/1-a (Samp) **10/15/2014, 9:18:57 PM** **Rack 3, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	-0.0603u	0.0268	-0.1112u
Al 308.215	20.6006	19.5248	18.3493
As 188.980	-0.8942u	-1.0282u	1.0750

Label	Replicates Concentration		
B 249.678	1.0927	1.7863	0.8529
Ba 389.178	-0.4465u	-0.3026u	-0.1575u
Be 313.042	0.0318	0.0258	0.0226
Ca 370.602	19.09	11.13	13.97
Cd 226.502	-0.0391u	-0.2168u	-0.0105u
Co 228.615	-0.0940u	-0.1924u	-0.4722u
Cr 267.716	0.5023	0.4495	0.6363
Cu 324.754	0.1249	0.3345	0.0756
Fe 271.441	33.4154	25.3037	26.9465
K 766.491	6.8415	6.4851	6.5473
Mg 279.078	0.1271	0.5560	-2.6442u
Mn 257.610	0.5251	0.5017	0.5035
Mo 202.032	-0.3409u	-0.3903u	0.1521
Na 330.237	-44.4251u	-36.7498u	44.9828
Ni 231.604	1.6662	1.9115	1.0915
Pb 220.353	0.4943	3.3872	0.8564
Sb 206.834	0.0798	1.9435	6.1290
Se 196.026	5.1594	10.0371	5.8452
Sn 189.925	8.3366	9.5257	10.8492
Sr 216.596	-0.1235u	0.4980	0.7013
Ti 334.941	0.3656	0.3462	0.3333
Tl 190.794	3.0940	0.8949	-1.1959u
V 292.401	0.2690	-0.1602u	0.2703
Zn 206.200	3.0530	2.5763	2.8183

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0482	ppb	0.0698	144.8	-14.1989
Al 308.215	19.4916	ppb	1.1260	5.8	523.385
As 188.980	-0.2825	ppb	1.1775	416.8	-2.5634
B 249.678	1.2439	ppb	0.4847	39.0	54.2642
Ba 389.178	-0.3022	ppb	0.1445	47.8	-56.8979
Be 313.042	0.0267	ppb	0.0047	17.4	-273.497
Ca 370.602	14.73	ppb	4.030	27.4	45.03
Cd 226.502	-0.0888	ppb	0.1117	125.8	9.9840
Co 228.615	-0.2529	ppb	0.1963	77.6	0.5270
Cr 267.716	0.5294	ppb	0.0963	18.2	57.4153
Cu 324.754	0.1783	ppb	0.1374	77.1	262.403
Fe 271.441	28.5552	ppb	4.2885	15.0	47.0377
K 766.491	6.6246	ppb	0.1903	2.9	608.472
Mg 279.078	-0.6537	ppb	1.7371	265.7	17.3284
Mn 257.610	0.5101	ppb	0.0130	2.5	146.275
Mo 202.032	-0.1930	ppb	0.2999	155.4	5.0799
Na 330.237	-12.0640	ppb	49.5528	410.8	21.4020
Ni 231.604	1.5564	ppb	0.4209	27.0	-0.4630
Pb 220.353	1.5793	ppb	1.5761	99.8	2.6864
Sb 206.834	2.7174	ppb	3.0980	114.0	4.7186
Se 196.026	7.0139	ppb	2.6406	37.6	5.4408
Sn 189.925	9.5705	ppb	1.2569	13.1	0.9196
Sr 216.596	0.3586	ppb	0.4297	119.8	6.3087
Ti 334.941	0.3484	ppb	0.0163	4.7	34.7958
Tl 190.794	0.9310	ppb	2.1452	230.4	-5.0542
V 292.401	0.1264	ppb	0.2482	196.4	-3.7879
Zn 206.200	2.8159	ppb	0.2384	8.5	3.7445

lcs 680-353389/2-a (Samp) **10/15/2014, 9:23:14 PM** **Rack 3, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	48.7395	48.7782	48.9988
Al 308.215	4688.51	4709.68	4716.20
As 188.980	105.105	106.509	106.414
B 249.678	182.010	184.024	185.650
Ba 389.178	94.2388	94.4782	94.1565
Be 313.042	48.2867	48.5093	48.4636
Ca 370.602	4736	4741	4714
Cd 226.502	47.0584	46.9816	47.1723
Co 228.615	47.3670	47.7921	48.2071
Cr 267.716	96.1002	96.2278	96.2285
Cu 324.754	98.7431	101.114	99.0789
Fe 271.441	4736.75	4773.26	4772.25
K 766.491	4949.63	4980.83	4969.89
Mg 279.078	4661.26	4676.50	4682.21
Mn 257.610	496.650	499.040	498.396
Mo 202.032	94.8213	95.4634	94.8692
Na 330.237	4583.06	4387.98	4397.95
Ni 231.604	94.5797	95.1551	94.2914
Pb 220.353	468.580	472.609	475.497
Sb 206.834	51.6896	53.1705	48.7409
Se 196.026	97.8107	102.977	106.659
Sn 189.925	194.654	196.700	194.338
Sr 216.596	91.0173	91.8800	92.2098
Ti 334.941	97.6439	98.1174	98.0813
Tl 190.794	37.4601	38.7252	37.2059
V 292.401	95.8709	95.8331	96.5077
Zn 206.200	94.1302	94.8903	95.5910

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.8388	ppb	0.1399	0.3	3765.66
Al 308.215	4704.80	ppb	14.4781	0.3	31549.9
As 188.980	106.009	ppb	0.7846	0.7	54.4528
B 249.678	183.895	ppb	1.8237	1.0	2806.88
Ba 389.178	94.2912	ppb	0.1672	0.2	1870.47
Be 313.042	48.4199	ppb	0.1176	0.2	78502.2
Ca 370.602	4730	ppb	14.33	0.3	10946
Cd 226.502	47.0708	ppb	0.0959	0.2	1791.76
Co 228.615	47.7887	ppb	0.4200	0.9	500.803
Cr 267.716	96.1855	ppb	0.0739	0.1	4807.25
Cu 324.754	99.6454	ppb	1.2830	1.3	7242.97
Fe 271.441	4760.76	ppb	20.7953	0.4	6717.27
K 766.491	4966.78	ppb	15.8297	0.3	212795
Mg 279.078	4673.32	ppb	10.8330	0.2	11362.1
Mn 257.610	498.029	ppb	1.2367	0.2	103077
Mo 202.032	95.0513	ppb	0.3577	0.4	594.189
Na 330.237	4456.33	ppb	109.867	2.5	231.435
Ni 231.604	94.6754	ppb	0.4397	0.5	257.749
Pb 220.353	472.228	ppb	3.4742	0.7	673.447
Sb 206.834	51.2003	ppb	2.2550	4.4	68.2960
Se 196.026	102.482	ppb	4.4447	4.3	42.3279
Sn 189.925	195.231	ppb	1.2823	0.7	122.990
Sr 216.596	91.7024	ppb	0.6158	0.7	1007.64

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	97.9475	ppb	0.2636	0.3	27125.0
Tl 190.794	37.7971	ppb	0.8138	2.2	30.6191
V 292.401	96.0706	ppb	0.3790	0.4	2466.78
Zn 206.200	94.8705	ppb	0.7306	0.8	86.3694

680-106194-a-27-a (Samp) **10/15/2014, 9:27:32 PM** **Rack 3, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	-3.0994u	-2.7973u	-2.4707u
Al 308.215	134984	134805	134830
As 188.980	245.420	240.653	246.847
B 249.678	13.3573u	12.5331u	12.2544u
Ba 389.178	334.951	335.457	334.271
Be 313.042	17.4496	17.4214	17.4173
Ca 370.602	68586	68557	68670
Cd 226.502	-0.4514	-0.5604	-0.5768
Co 228.615	83.3733	81.9662	82.8053
Cr 267.716	291.509	291.049	290.882
Cu 324.754	424.527	418.022	420.208
Fe 271.441	303601	303641	303438
K 766.491	10725.7	10726.7	10741.6
Mg 279.078	24132.5	24119.6	24073.0
Mn 257.610	3117.67	3111.63	3117.82
Mo 202.032	22.5576	23.5066	22.7616
Na 330.237	202.035u	241.581u	202.099u
Ni 231.604	263.300	263.446	262.832
Pb 220.353	242.251	236.671	241.410
Sb 206.834	1.5948	6.1853	1.6203
Se 196.026	-17.8892u	2.3472	9.1046
Sn 189.925	24.3080	24.4597	22.0592
Sr 216.596	101.036	99.7426	100.559
Ti 334.941	1011.28	1011.34	1010.11
Tl 190.794	-9.3989u	-8.6516u	-5.8251u
V 292.401	421.508	421.657	420.920
Zn 206.200	1277.41	1275.68	1264.11

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7891	ppb	0.3144	11.3	-260.964
Al 308.215	134873	ppb	96.9285	0.1	893438
As 188.980	244.306	ppb	3.2438	1.3	128.197
B 249.678	12.7150	ppb	0.5735	4.5	-403.762
Ba 389.178	334.893	ppb	0.5949	0.2	6923.01
Be 313.042	17.4294	ppb	0.0176	0.1	28095.1
Ca 370.602	68604	ppb	58.65	0.1	156088
Cd 226.502	-0.5295	ppb	0.0682	12.9	1069.25
Co 228.615	82.7149	ppb	0.7079	0.9	902.582
Cr 267.716	291.147	ppb	0.3245	0.1	14623.3
Cu 324.754	420.919	ppb	3.3099	0.8	29891.2
Fe 271.441	303560	ppb	107.756	0.0	427510
K 766.491	10731.3	ppb	8.8976	0.1	459391
Mg 279.078	24108.4	ppb	31.3240	0.1	58488.0
Mn 257.610	3115.71	ppb	3.5350	0.1	645378
Mo 202.032	22.9419	ppb	0.4995	2.2	134991

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	215.238	ppb	22.8134	10.6	-71.8453
Ni 231.604	263.193	ppb	0.3208	0.1	747.154
Pb 220.353	240.111	ppb	3.0083	1.3	323.223
Sb 206.834	3.1335	ppb	2.6430	84.3	16.9618
Se 196.026	-2.1458	ppb	14.0466	654.6	4.7872
Sn 189.925	23.6090	ppb	1.3443	5.7	10.1492
Sr 216.596	100.446	ppb	0.6541	0.7	1438.22
Ti 334.941	1010.91	ppb	0.6926	0.1	280528
Tl 190.794	-7.9586	ppb	1.8850	23.7	-47.7460
V 292.401	421.362	ppb	0.3898	0.1	11019.8
Zn 206.200	1272.40	ppb	7.2286	0.6	1136.89

680-106194-a-27-aSD (Samp) **10/15/2014, 9:31:49 PM** **Rack 3, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-0.6495u	-0.4461u	-0.8056u
Al 308.215	30944.7	30489.5	30094.3
As 188.980	56.1687	59.3179	57.0434
B 249.678	3.5691u	3.5842u	3.6821u
Ba 389.178	79.2375	78.3753	77.5255
Be 313.042	4.0991	4.0502	3.9824
Ca 370.602	15835	15555	15337
Cd 226.502	-0.2547	-0.2172	-0.4333
Co 228.615	19.2558	19.5232	19.2374
Cr 267.716	69.0001	67.9373	67.1017
Cu 324.754	94.2568	92.5882	91.8072
Fe 271.441	71631.4	70613.8	69760.7
K 766.491	2255.76	2225.09	2188.52
Mg 279.078	5748.55	5659.62	5594.04
Mn 257.610	753.923	742.607	733.467
Mo 202.032	5.2417	5.0515	5.5423
Na 330.237	-89.9118u	-48.5323u	87.6046u
Ni 231.604	63.4280	62.7049	61.5887
Pb 220.353	52.9850	58.7914	56.5820
Sb 206.834	1.1661	-0.7063	2.0890
Se 196.026	-0.2669	0.7644	-5.0368u
Sn 189.925	6.9316	7.8364	7.0126
Sr 216.596	24.4563	23.5967	23.1272
Ti 334.941	240.143	236.569	233.532
Tl 190.794	-0.8162u	-1.0548u	-1.4325u
V 292.401	99.7745	98.2720	96.6294
Zn 206.200	302.538	299.051	295.855

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6337	ppb	0.1802	28.4	-67.5182
Al 308.215	30509.5	ppb	425.523	1.4	202412
As 188.980	57.5100	ppb	1.6256	2.8	28.3270
B 249.678	3.6118	ppb	0.0613	1.7	-57.2858
Ba 389.178	78.3794	ppb	0.8560	1.1	1581.32
Be 313.042	4.0439	ppb	0.0586	1.4	6275.14
Ca 370.602	15575	ppb	249.6	1.6	35431
Cd 226.502	-0.3017	ppb	0.1155	38.3	252.979
Co 228.615	19.3388	ppb	0.1600	0.8	213.451

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

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	240.271	ppb	0.1434	0.1	12119.3
Cu 324.754	270.955	ppb	1.1334	0.4	19381.1
Fe 271.441	319881	ppb	334.627	0.1	450495
K 766.491	12677.9	ppb	21.3300	0.2	542661
Mg 279.078	12036.5	ppb	13.4580	0.1	29092.2
Mn 257.610	5871.98	ppb	6.2051	0.1	1215315
Mo 202.032	33.0505	ppb	0.7940	2.4	196.766
Na 330.237	260.509	ppb	64.0705	24.6	-49.5407
Ni 231.604	311.228	ppb	0.5727	0.2	881.590
Pb 220.353	219.783	ppb	3.9743	1.8	293.062
Sb 206.834	3.4414	ppb	0.9531	27.7	17.2595
Se 196.026	1.6352	ppb	1.7145	104.8	6.9144
Sn 189.925	20.6287	ppb	2.3465	11.4	8.1898
Sr 216.596	55.0075	ppb	0.8180	1.5	947.656
Ti 334.941	888.007	ppb	0.6483	0.1	246408
Tl 190.794	-6.8996	ppb	2.1031	30.5	-47.6182
V 292.401	422.557	ppb	0.4666	0.1	11055.5
Zn 206.200	289.964	ppb	1.9280	0.7	249.989

680-106194-a-11-a (Samp) **10/15/2014, 10:10:30 PM** **Rack 3, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-2.3132u	-2.5533u	-2.5124u
Al 308.215	72654.6	72594.4	72688.8
As 188.980	199.706	202.198	203.191
B 249.678	26.1249	26.0931	25.7370
Ba 389.178	580.002	578.585	580.289
Be 313.042	6.6617	6.6551	6.6814
Ca 370.602	378597	379660	379659
Cd 226.502	5.0972	4.7422	4.9956
Co 228.615	58.3059	58.7175	58.7513
Cr 267.716	169.555	169.618	169.823
Cu 324.754	1533.35	1519.52	1514.00
Fe 271.441	140747	140816	140947
K 766.491	5092.04	5085.11	5099.72
Mg 279.078	15904.8	15911.2	15938.3
Mn 257.610	5600.27	5582.84	5610.83
Mo 202.032	15.1563	15.4094	15.2230
Na 330.237	421.313u	373.463u	351.854u
Ni 231.604	123.404	123.357	123.735
Pb 220.353	617.413	621.242	625.806
Sb 206.834	1.8083	5.6281	0.0962
Se 196.026	3.9819	-6.2035u	-2.7433
Sn 189.925	33.6073	29.5430	35.3931
Sr 216.596	136.785	136.047	135.797
Ti 334.941	532.615	532.800	533.389
Tl 190.794	-1.4850u	-4.3978u	-6.9839u
V 292.401	184.131	184.056	184.130
Zn 206.200	874.353	861.765	867.354

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4596	ppb	0.1285	5.2	-201.203
Al 308.215	72645.9	ppb	47.7772	0.1	481369

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	201.699	ppb	1.7955	0.9	105.665
B 249.678	25.9850	ppb	0.2154	0.8	133.618
Ba 389.178	579.625	ppb	0.9127	0.2	11795.5
Be 313.042	6.6661	ppb	0.0137	0.2	10658.2
Ca 370.602	379305	ppb	613.8	0.2	875778
Cd 226.502	4.9450	ppb	0.1828	3.7	700.528
Co 228.615	58.5916	ppb	0.2480	0.4	632.316
Cr 267.716	169.665	ppb	0.1405	0.1	8536.64
Cu 324.754	1522.29	ppb	9.9672	0.7	107074
Fe 271.441	140837	ppb	101.580	0.1	198349
K 766.491	5092.29	ppb	7.3090	0.1	218164
Mg 279.078	15918.1	ppb	17.7690	0.1	38564.5
Mn 257.610	5597.98	ppb	14.1353	0.3	1158177
Mo 202.032	15.2629	ppb	0.1312	0.9	94.5509
Na 330.237	382.210	ppb	35.5456	9.3	-15.2644
Ni 231.604	123.499	ppb	0.2056	0.2	347.957
Pb 220.353	621.487	ppb	4.2015	0.7	878.123
Sb 206.834	2.5108	ppb	2.8321	112.8	10.2055
Se 196.026	-1.6550	ppb	5.1792	312.9	4.2402
Sn 189.925	32.8478	ppb	2.9981	9.1	16.2239
Sr 216.596	136.210	ppb	0.5141	0.4	1767.58
Ti 334.941	532.935	ppb	0.4043	0.1	147864
Tl 190.794	-4.2889	ppb	2.7511	64.1	-24.1173
V 292.401	184.106	ppb	0.0428	0.0	4812.78
Zn 206.200	867.824	ppb	6.3071	0.7	778.327

680-106194-a-10-a (Samp) **10/15/2014, 10:14:49 PM** **Rack 3, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-0.7944u	-0.8424u	-0.0913u
Al 308.215	36924.9	36862.1	36941.2
As 188.980	592.658	585.764	593.834
B 249.678	27.2830u	27.1681u	28.2854u
Ba 389.178	637.444	638.282	638.641
Be 313.042	4.8500	4.8498	4.8477
Ca 370.602	592333	591667	588193
Cd 226.502	7.2934	7.1996	7.8958
Co 228.615	56.6513	55.3140	56.0878
Cr 267.716	192.279	192.004	191.981
Cu 324.754	1722.68	1726.36	1731.57
Fe 271.441	205418	205242	205366
K 766.491	3757.84	3751.23	3753.92
Mg 279.078	16302.7	16269.2	16272.4
Mn 257.610	3360.39	3357.96	3362.96
Mo 202.032	22.8458	22.9883	23.3488
Na 330.237	407.476u	618.473u	459.061u
Ni 231.604	157.647	154.143	157.284
Pb 220.353	548.719	544.812	548.542
Sb 206.834	9.1246	11.7004	8.8161
Se 196.026	-4.7240	11.1354	11.1033
Sn 189.925	46.1572	36.4974	48.0042
Sr 216.596	209.817	208.463	209.887
Ti 334.941	687.447	687.475	686.559

Label	Replicates Concentration		
Tl 190.794	-6.6694u	-5.6277u	-8.8519u
V 292.401	276.678	277.067	275.827
Zn 206.200	1460.40	1456.12	1460.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5760	ppb	0.4205	73.0	-78.9844
Al 308.215	36909.4	ppb	41.7831	0.1	245006
As 188.980	590.752	ppb	4.3595	0.7	313.741
B 249.678	27.5788	ppb	0.6146	2.2	22.3300
Ba 389.178	638.122	ppb	0.6144	0.1	13014.9
Be 313.042	4.8492	ppb	0.0013	0.0	7765.69
Ca 370.602	590731	ppb	2223	0.4	1363906
Cd 226.502	7.4629	ppb	0.3778	5.1	1025.51
Co 228.615	56.0177	ppb	0.6714	1.2	612.330
Cr 267.716	192.088	ppb	0.1655	0.1	9666.69
Cu 324.754	1726.87	ppb	4.4684	0.3	121448
Fe 271.441	205342	ppb	90.6176	0.0	289189
K 766.491	3754.33	ppb	3.3207	0.1	160929
Mg 279.078	16281.4	ppb	18.5119	0.1	39500.3
Mn 257.610	3360.43	ppb	2.4991	0.1	695661
Mo 202.032	23.0610	ppb	0.2592	1.1	139.961
Na 330.237	495.003	ppb	109.995	22.2	-40.1723
Ni 231.604	156.358	ppb	1.9265	1.2	443.903
Pb 220.353	547.358	ppb	2.2062	0.4	768.497
Sb 206.834	9.8804	ppb	1.5837	16.0	21.9658
Se 196.026	5.8382	ppb	9.1472	156.7	7.1877
Sn 189.925	43.5529	ppb	6.1797	14.2	23.2623
Sr 216.596	209.389	ppb	0.8027	0.4	2709.12
Ti 334.941	687.160	ppb	0.5212	0.1	190665
Tl 190.794	-7.0497	ppb	1.6454	23.3	-35.4830
V 292.401	276.524	ppb	0.6345	0.2	7231.52
Zn 206.200	1458.86	ppb	2.3807	0.2	1309.02

680-106194-a-24-a (Samp) **10/15/2014, 10:19:07 PM** **Rack 3, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-0.5054u	-0.9686u	-0.9348u
Al 308.215	10810.6	10808.7	10792.4
As 188.980	31.9738	26.4915	24.9389
B 249.678	6.5889	5.8111	5.7333
Ba 389.178	424.341	422.638	420.884
Be 313.042	1.1675	1.1605	1.1626
Ca 370.602	1897501x	1900385x	1870968x
Cd 226.502	0.8551	0.8831	0.7551
Co 228.615	7.9290	7.2958	7.5816
Cr 267.716	38.6996	38.1743	38.1492
Cu 324.754	10.5255	9.8799	9.7422
Fe 271.441	25534.5	25521.2	25474.5
K 766.491	1216.77	1218.32	1217.72
Mg 279.078	23943.6	23922.2	23885.3
Mn 257.610	2370.73	2367.97	2368.56
Mo 202.032	0.7817	1.0801	2.4917
Na 330.237	401.041	519.093	205.844

Label	Replicates Concentration		
Ni 231.604	12.5330	13.1284	10.1637
Pb 220.353	33.1237	37.8783	32.0092
Sb 206.834	0.9430	4.6141	-1.6095u
Se 196.026	14.5064	-9.9459u	5.0341
Sn 189.925	6.4811	15.7919	5.7847
Sr 216.596	273.179	271.028	272.146
Ti 334.941	148.750	148.585	148.596
Tl 190.794	-2.9011u	-5.9469u	-4.2543u
V 292.401	50.7133	50.1077	50.4186
Zn 206.200	43.5678	44.7297	42.8287

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8029b	ppb	0.2582	32.2	-79.2811
Al 308.215	10803.9b	ppb	10.0172	0.1	71934.9
As 188.980	27.8014b	ppb	3.6959	13.3	12.4594
B 249.678	6.0444b	ppb	0.4731	7.8	73.3835
Ba 389.178	422.621b	ppb	1.7287	0.4	8563.69
Be 313.042	1.1635b	ppb	0.0035	0.3	2159.01
Ca 370.602	1889618xb	ppb	16215	0.9	4368055
Cd 226.502	0.8311b	ppb	0.0673	8.1	135.708
Co 228.615	7.6022b	ppb	0.3171	4.2	86.8078
Cr 267.716	38.3410b	ppb	0.3108	0.8	1955.30
Cu 324.754	10.0492b	ppb	0.4182	4.2	964.587
Fe 271.441	25510.1b	ppb	31.4581	0.1	35932.8
K 766.491	1217.60b	ppb	0.7823	0.1	52411.9
Mg 279.078	23917.0b	ppb	29.4627	0.1	58078.3
Mn 257.610	2369.09b	ppb	1.4554	0.1	490218
Mo 202.032	1.4512b	ppb	0.9134	62.9	14.1172
Na 330.237	375.326b	ppb	158.200	42.2	32.6214
Ni 231.604	11.9417b	ppb	1.5683	13.1	30.2368
Pb 220.353	34.3371b	ppb	3.1170	9.1	48.1169
Sb 206.834	1.3158b	ppb	3.1285	237.8	4.0096
Se 196.026	3.1982b	ppb	12.3291	385.5	4.6191
Sn 189.925	9.3526b	ppb	5.5875	59.7	0.7764
Sr 216.596	272.117b	ppb	1.0758	0.4	3648.16
Ti 334.941	148.644b	ppb	0.0924	0.1	41227.5
Tl 190.794	-4.3674b	ppb	1.5261	34.9	-12.1277
V 292.401	50.4132b	ppb	0.3028	0.6	1309.17
Zn 206.200	43.7087b	ppb	0.9583	2.2	39.5661

680-106194-a-14-a (Samp) **10/15/2014, 10:23:25 PM** **Rack 3, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-4.1377u	-4.4493u	-4.4030u
Al 308.215	202867	203292	203605
As 188.980	358.238	356.377	350.113
B 249.678	14.6104u	15.8407u	16.4794u
Ba 389.178	429.341	429.297	430.712
Be 313.042	19.0403	19.1063	19.0995
Ca 370.602	20520	20472	20427
Cd 226.502	-2.1531	-1.8564	-1.3252
Co 228.615	80.1558	79.2483	79.1332
Cr 267.716	251.503	251.577	251.103

Label	Replicates Concentration		
Cu 324.754	283.325	284.863	282.657
Fe 271.441	337585	338040	338771
K 766.491	11434.6	11450.1	11457.8
Mg 279.078	11683.6	11694.3	11721.7
Mn 257.610	2549.57	2551.13	2554.70
Mo 202.032	70.3559	71.6228	70.8752
Na 330.237	541.264u	625.984u	486.971u
Ni 231.604	265.825	265.651	267.224
Pb 220.353	293.679	297.036	296.815
Sb 206.834	1.1568	1.8948	-0.1408
Se 196.026	-3.9168	1.5381	-6.9411
Sn 189.925	26.3011	26.8991	24.8275
Sr 216.596	47.9262	47.1299	47.8230
Ti 334.941	907.003	909.045	908.172
Tl 190.794	-7.2470u	-13.6751u	-1.9096u
V 292.401	442.276	443.785	444.175
Zn 206.200	308.583	312.288	312.723

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.3300	ppb	0.1682	3.9	-386.066
Al 308.215	203255	ppb	370.884	0.2	1346007
As 188.980	354.910	ppb	4.2568	1.2	187.910
B 249.678	15.6435	ppb	0.9500	6.1	-437.012
Ba 389.178	429.783	ppb	0.8044	0.2	8850.49
Be 313.042	19.0821	ppb	0.0363	0.2	30771.2
Ca 370.602	20473	ppb	46.55	0.2	44420
Cd 226.502	-1.7782	ppb	0.4194	23.6	1154.34
Co 228.615	79.5124	ppb	0.5601	0.7	868.461
Cr 267.716	251.394	ppb	0.2550	0.1	12664.8
Cu 324.754	283.615	ppb	1.1311	0.4	20278.0
Fe 271.441	338132	ppb	598.779	0.2	476196
K 766.491	11447.5	ppb	11.8064	0.1	490029
Mg 279.078	11699.9	ppb	19.6336	0.2	28327.7
Mn 257.610	2551.80	ppb	2.6285	0.1	528780
Mo 202.032	70.9513	ppb	0.6369	0.9	430.490
Na 330.237	551.406	ppb	70.0593	12.7	-40.6213
Ni 231.604	266.233	ppb	0.8623	0.3	758.428
Pb 220.353	295.843	ppb	1.8776	0.6	399.456
Sb 206.834	0.9703	ppb	1.0305	106.2	14.0684
Se 196.026	-3.1066	ppb	4.2973	138.3	4.5960
Sn 189.925	26.0092	ppb	1.0662	4.1	11.7274
Sr 216.596	47.6264	ppb	0.4331	0.9	884.496
Ti 334.941	908.073	ppb	1.0246	0.1	251979
Tl 190.794	-7.6105	ppb	5.8912	77.4	-52.2062
V 292.401	443.412	ppb	1.0030	0.2	11596.4
Zn 206.200	311.198	ppb	2.2751	0.7	268.400

680-106194-a-17-a (Samp) **10/15/2014, 10:27:43 PM** **Rack 3, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-3.8683u	-4.3305u	-4.2284u
Al 308.215	134694	134650	134460
As 188.980	387.989	377.462	384.492

Label	Replicates Concentration		
B 249.678	2.4997u	2.7609u	3.0501u
Ba 389.178	2414.07	2416.63	2415.03
Be 313.042	32.3417	32.3961	32.3882
Ca 370.602	43648	43664	43588
Cd 226.502	2.9076	3.0036	2.4929
Co 228.615	260.657	257.578	255.656
Cr 267.716	159.623	160.489	159.642
Cu 324.754	329.985	331.727	331.965
Fe 271.441	384102	384866	383869
K 766.491	9756.95	9778.16	9776.22
Mg 279.078	7233.32	7258.61	7223.86
Mn 257.610	67610.7x	67768.3x	67846.2x
Mo 202.032	35.4940	35.8735	35.9862
Na 330.237	-8.3616u	141.912u	170.506u
Ni 231.604	468.165	469.898	465.041
Pb 220.353	223.155	225.125	216.597
Sb 206.834	3.8002	2.5891	0.6965
Se 196.026	2.7018	3.8505	0.7524
Sn 189.925	19.0796	19.0447	27.7998
Sr 216.596	83.2425	83.3467	83.4209
Ti 334.941	896.838	898.128	897.621
Tl 190.794	16.4192	16.6942	23.3909
V 292.401	529.631	530.172	529.270
Zn 206.200	260.688	263.073	260.796

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.1424b	ppb	0.2428	5.9	-73.8946
Al 308.215	134601b	ppb	124.311	0.1	891785
As 188.980	383.315b	ppb	5.3615	1.4	202.339
B 249.678	2.7702b	ppb	0.2754	9.9	-726.000
Ba 389.178	2415.24b	ppb	1.2910	0.1	49134.6
Be 313.042	32.3753b	ppb	0.0294	0.1	52404.5
Ca 370.602	43633b	ppb	39.84	0.1	98849
Cd 226.502	2.8014b	ppb	0.2714	9.7	1486.28
Co 228.615	257.964b	ppb	2.5228	1.0	2730.47
Cr 267.716	159.918b	ppb	0.4943	0.3	8433.28
Cu 324.754	331.226b	ppb	1.0809	0.3	23633.2
Fe 271.441	384279b	ppb	521.781	0.1	541202
K 766.491	9770.44b	ppb	11.7277	0.1	418287
Mg 279.078	7238.60b	ppb	17.9640	0.2	16314.8
Mn 257.610	67741.7xb	ppb	119.984	0.2	14009608
Mo 202.032	35.7846b	ppb	0.2579	0.7	210.864
Na 330.237	101.352b	ppb	96.0846	94.8	-71.4699
Ni 231.604	467.701b	ppb	2.4614	0.5	1319.54
Pb 220.353	221.626b	ppb	4.4647	2.0	303.741
Sb 206.834	2.3619b	ppb	1.5643	66.2	16.9173
Se 196.026	2.4349b	ppb	1.5662	64.3	19.5555
Sn 189.925	21.9747b	ppb	5.0447	23.0	9.0746
Sr 216.596	83.3367b	ppb	0.0896	0.1	1325.30
Ti 334.941	897.529b	ppb	0.6501	0.1	249047
Tl 190.794	18.8348b	ppb	3.9481	21.0	-1.4902
V 292.401	529.691b	ppb	0.4540	0.1	13858.2
Zn 206.200	261.519b	ppb	1.3469	0.5	222.092

680-106194-a-28-a (Samp) **10/15/2014, 10:32:01 PM** **Rack 3, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.8794u	-2.5850u	-1.8712u
Al 308.215	140438	140641	140610
As 188.980	221.795	226.245	236.760
B 249.678	17.1327u	17.3308u	16.6222u
Ba 389.178	427.112	427.437	427.203
Be 313.042	16.4868	16.4741	16.4527
Ca 370.602	129234	128852	128351
Cd 226.502	1.8036	1.4268	2.2819
Co 228.615	98.0734	97.1474	98.6806
Cr 267.716	305.805	305.326	305.627
Cu 324.754	653.914	654.943	648.760
Fe 271.441	307686	307525	308261
K 766.491	12322.5	12355.3	12317.6
Mg 279.078	53545.4	53512.8	53550.5
Mn 257.610	4250.47	4236.05	4231.58
Mo 202.032	22.2254	20.6780	21.0956
Na 330.237	204.421u	197.959u	372.490u
Ni 231.604	277.936	275.157	274.938
Pb 220.353	301.487	301.823	299.660
Sb 206.834	1.4445	-5.6024	0.6183
Se 196.026	-7.8881	2.1066	-1.1806
Sn 189.925	30.4524	30.0316	28.8617
Sr 216.596	144.163	142.605	144.441
Ti 334.941	1102.46	1102.80	1100.35
Tl 190.794	-5.9278u	-13.3813u	-6.9170u
V 292.401	445.242	444.589	445.320
Zn 206.200	1648.70	1646.10	1657.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1119	ppb	0.4098	19.4	-205.987
Al 308.215	140563	ppb	109.409	0.1	931101
As 188.980	228.267	ppb	7.6850	3.4	119.614
B 249.678	17.0286	ppb	0.3656	2.1	-350.759
Ba 389.178	427.251	ppb	0.1677	0.0	8836.40
Be 313.042	16.4712	ppb	0.0172	0.1	26554.7
Ca 370.602	128813	ppb	442.9	0.3	295272
Cd 226.502	1.8374	ppb	0.4285	23.3	1178.91
Co 228.615	97.9671	ppb	0.7721	0.8	1063.76
Cr 267.716	305.586	ppb	0.2421	0.1	15347.4
Cu 324.754	652.539	ppb	3.3132	0.5	46138.2
Fe 271.441	307824	ppb	387.213	0.1	433516
K 766.491	12331.8	ppb	20.5006	0.2	527856
Mg 279.078	53536.2	ppb	20.4574	0.0	129960
Mn 257.610	4239.37	ppb	9.8712	0.2	877973
Mo 202.032	21.3330	ppb	0.8006	3.8	124.762
Na 330.237	258.290	ppb	98.9530	38.3	-80.8244
Ni 231.604	276.010	ppb	1.6716	0.6	783.070
Pb 220.353	300.990	ppb	1.1639	0.4	409.784
Sb 206.834	-1.1799	ppb	3.8523	326.5	11.6673
Se 196.026	-2.3207	ppb	5.0940	219.5	4.9839
Sn 189.925	29.7819	ppb	0.8242	2.8	14.2078
Sr 216.596	143.736	ppb	0.9894	0.7	1938.36

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	1101.87	ppb	1.3247	0.1	305818
Tl 190.794	-8.7420	ppb	4.0481	46.3	-48.6005
V 292.401	445.050	ppb	0.4013	0.1	11637.1
Zn 206.200	1650.62	ppb	5.7211	0.3	1477.84

680-106194-a-16-a (Samp) **10/15/2014, 10:36:19 PM** **Rack 3, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	-1.4887u	-1.9206u	-1.2808u
Al 308.215	95297.9	95220.9	95275.1
As 188.980	194.449	187.623	204.975
B 249.678	12.6450u	13.6820u	13.3588u
Ba 389.178	166.256	167.588	166.318
Be 313.042	9.0558	9.0582	9.0678
Ca 370.602	598346	597894	599161
Cd 226.502	0.1978	0.1813	0.2903
Co 228.615	52.2701	52.1634	52.4017
Cr 267.716	129.830	130.298	130.141
Cu 324.754	146.059	146.169	144.660
Fe 271.441	163860	163763	163989
K 766.491	10198.8	10200.3	10226.5
Mg 279.078	356016	355319	356478
Mn 257.610	2712.86	2711.14	2711.56
Mo 202.032	17.7683	16.2434	17.0149
Na 330.237	285.639u	391.777u	382.099u
Ni 231.604	165.444	163.445	162.532
Pb 220.353	127.365	132.735	131.438
Sb 206.834	4.4526	2.4363	3.6186
Se 196.026	3.9655	5.8422	-6.2034u
Sn 189.925	9.2437	8.4362	9.0199
Sr 216.596	131.835	131.972	132.052
Ti 334.941	482.750	482.399	483.014
Tl 190.794	-6.6573u	-8.8631u	-13.9840u
V 292.401	226.983	226.736	227.435
Zn 206.200	142.959	143.995	146.560

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5634	ppb	0.3264	20.9	-154.639
Al 308.215	95264.6	ppb	39.5332	0.0	631087
As 188.980	195.682	ppb	8.7418	4.5	102.507
B 249.678	13.2286	ppb	0.5306	4.0	-107.515
Ba 389.178	166.720	ppb	0.7520	0.5	3863.68
Be 313.042	9.0606	ppb	0.0064	0.1	14615.6
Ca 370.602	598467	ppb	642.0	0.1	1382109
Cd 226.502	0.2231	ppb	0.0588	26.3	610.327
Co 228.615	52.2784	ppb	0.1193	0.2	566.954
Cr 267.716	130.090	ppb	0.2378	0.2	6569.88
Cu 324.754	145.630	ppb	0.8414	0.6	10528.9
Fe 271.441	163871	ppb	113.507	0.1	230786
K 766.491	10208.5	ppb	15.5472	0.2	437028
Mg 279.078	355938	ppb	583.234	0.2	864690
Mn 257.610	2711.85	ppb	0.8990	0.0	563898
Mo 202.032	17.0089	ppb	0.7625	4.5	104331

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	353.172	ppb	58.6848	16.6	-4.0841
Ni 231.604	163.807	ppb	1.4895	0.9	461.396
Pb 220.353	130.513	ppb	2.8021	2.1	175.807
Sb 206.834	3.5025	ppb	1.0131	28.9	11.7528
Se 196.026	1.2014	ppb	6.4810	539.4	4.9637
Sn 189.925	8.8999	ppb	0.4169	4.7	0.4786
Sr 216.596	131.953	ppb	0.1098	0.1	1818.90
Ti 334.941	482.721	ppb	0.3081	0.1	134504
Tl 190.794	-9.8348	ppb	3.7588	38.2	-33.5675
V 292.401	227.051	ppb	0.3540	0.2	5938.51
Zn 206.200	144.504	ppb	1.8537	1.3	124.993

Cont Calib Verif (CCV) **10/15/2014, 10:40:37 PM** **Rack 3, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	487.112	488.977	485.890
Al 308.215	4833.16	4835.25	4841.55
As 188.980	456.645	457.774	455.613
B 249.678	481.471	480.101	480.677
Ba 389.178	4758.66	4762.08	4753.06
Be 313.042	478.796	478.221	475.874
Ca 370.602	4843	4832	4812
Cd 226.502	472.584	472.646	473.504
Co 228.615	481.964	482.082	482.483
Cr 267.716	4764.74	4763.89	4754.13
Cu 324.754	5012.50	5043.63	5007.40
Fe 271.441	4797.71	4816.47	4799.11
K 766.491	10043.5	10043.4	10050.5
Mg 279.078	4844.08	4857.02	4872.50
Mn 257.610	4889.07	4896.82	4881.52
Mo 202.032	477.862	478.436	478.093
Na 330.237	7534.31	7471.27	7532.57
Ni 231.604	2409.58	2409.66	2412.04
Pb 220.353	480.220	481.249	480.697
Sb 206.834	911.839	918.602	916.886
Se 196.026	4716.61	4747.07	4769.54
Sn 189.925	4811.94	4783.74	4774.36
Sr 216.596	2333.46	2337.04	2340.69
Ti 334.941	481.672	481.950	480.660
Tl 190.794	4852.33	4860.10	4836.02
V 292.401	4790.39	4787.39	4786.64
Zn 206.200	2331.53	2326.52	2336.72

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.326	ppb	1.5546	0.3	37639.8	97.46529
Al 308.215	4836.65	ppb	4.3684	0.1	32900.1	96.73309
As 188.980	456.678	ppb	1.0810	0.2	242.493	91.33550
B 249.678	480.750	ppb	0.6876	0.1	7307.12	96.14992
Ba 389.178	4757.94	ppb	4.5540	0.1	96466.6	95.15873
Be 313.042	477.630	ppb	1.5479	0.3	777424	95.52608
Ca 370.602	4829	ppb	15.60	0.3	11432	96.57501
Cd 226.502	472.911	ppb	0.5143	0.1	17728.8	94.58228
Co 228.615	482.177	ppb	0.2722	0.1	5030.26	96.43530

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	4760.92	ppb	5.8947	0.1	236251	95.21841
Cu 324.754	5021.17	ppb	19.6112	0.4	352371	100.42345
Fe 271.441	4804.43	ppb	10.4491	0.2	6868.09	96.08856
K 766.491	10045.8	ppb	4.0333	0.0	430066	100.45801
Mg 279.078	4857.87	ppb	14.2299	0.3	11729.6	97.15738
Mn 257.610	4889.14	ppb	7.6492	0.2	1011123	97.78271
Mo 202.032	478.131	ppb	0.2889	0.1	2960.17	95.62611
Na 330.237	7512.72	ppb	35.9077	0.5	321.810	100.16955
Ni 231.604	2410.42	ppb	1.3983	0.1	6671.81	96.41696
Pb 220.353	480.722	ppb	0.5145	0.1	689.030	96.14439
Sb 206.834	915.776	ppb	3.5157	0.4	1252.18	91.57758
Se 196.026	4744.41	ppb	26.5634	0.6	1830.38	94.88812
Sn 189.925	4790.01	ppb	19.5582	0.4	3143.99	95.80020
Sr 216.596	2337.07	ppb	3.6149	0.2	25479.1	93.48264
Ti 334.941	481.427	ppb	0.6789	0.1	133534	96.28545
Tl 190.794	4849.48	ppb	12.2917	0.3	4743.15	96.98963
V 292.401	4788.14	ppb	1.9823	0.0	123822	95.76279
Zn 206.200	2331.59	ppb	5.1039	0.2	2092.27	93.26363

Cont Calib Blank (CCB) **10/15/2014, 10:44:55 PM** **Rack 3, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	-0.0514u	0.0443	-0.0585u
Al 308.215	13.9664	13.3023	15.8087
As 188.980	-0.0216u	5.6708	5.6620
B 249.678	8.5208	7.2400	6.3588
Ba 389.178	0.1900	0.1992	0.6990
Be 313.042	0.0715	0.0699	0.0881
Ca 370.602	17.93	23.35	29.24
Cd 226.502	0.1529	0.0435	0.0786
Co 228.615	-0.0322u	0.3484	0.2286
Cr 267.716	0.5035	0.3642	0.8175
Cu 324.754	0.6160	0.7793	0.8115
Fe 271.441	10.8424	14.3407	18.2739
K 766.491	-0.7526u	-0.8741u	-0.1212u
Mg 279.078	8.4721	10.0801	14.6301
Mn 257.610	0.9968	1.0392	1.5008
Mo 202.032	0.8357	0.4781	0.0014
Na 330.237	-14.6080u	-74.0845u	-68.6521u
Ni 231.604	0.2113	0.1743	2.0268
Pb 220.353	1.3600	1.8208	0.6884
Sb 206.834	7.0582	2.8992	2.1173
Se 196.026	4.7757	9.6510	2.9705
Sn 189.925	-1.4224u	5.4429	2.7344
Sr 216.596	0.1785	0.3610	0.3132
Ti 334.941	0.2354	0.1955	0.2498
Tl 190.794	1.6165	1.0011	1.8368
V 292.401	0.5851	0.8697	0.7925
Zn 206.200	0.8460	-0.3203u	1.2118

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0219	ppb	0.0574	262.2	-12.1465	-0.02188
Al 308.215	14.3591	ppb	1.2985	9.0	489.496	14.35915

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	3.7704	ppb	3.2839	87.1	-0.3892	3.77039
B 249.678	7.3732	ppb	1.0871	14.7	146.987	7.37320
Ba 389.178	0.3627	ppb	0.2913	80.3	-43.4040	0.36275
Be 313.042	0.0765	ppb	0.0101	13.1	-192.539	0.07649
Ca 370.602	23.51	ppb	5.653	24.0	65.46	23.50702
Cd 226.502	0.0917	ppb	0.0559	61.0	16.6775	0.09167
Co 228.615	0.1816	ppb	0.1946	107.2	5.0385	0.18162
Cr 267.716	0.5617	ppb	0.2322	41.3	59.0062	0.56171
Cu 324.754	0.7356	ppb	0.1048	14.2	301.496	0.73561
Fe 271.441	14.4857	ppb	3.7178	25.7	27.2636	14.48569
K 766.491	-0.5826	ppb	0.4042	69.4	300.159	-0.58262
Mg 279.078	11.0608	ppb	3.1940	28.9	45.7780	11.06078
Mn 257.610	1.1789	ppb	0.2796	23.7	284.600	1.17893
Mo 202.032	0.4384	ppb	0.4186	95.5	8.9874	0.43842
Na 330.237	-52.4482	ppb	32.8829	62.7	19.5166	-52.44822
Ni 231.604	0.8041	ppb	1.0590	131.7	-2.5489	0.80413
Pb 220.353	1.2897	ppb	0.5694	44.2	2.2739	1.28973
Sb 206.834	4.0249	ppb	2.6558	66.0	6.4287	4.02491
Se 196.026	5.7990	ppb	3.4558	59.6	4.9731	5.79904
Sn 189.925	2.2516	ppb	3.4580	153.6	-3.8924	2.25164
Sr 216.596	0.2842	ppb	0.0946	33.3	5.4967	0.28425
Ti 334.941	0.2269	ppb	0.0281	12.4	1.1011	0.22687
Tl 190.794	1.4848	ppb	0.4331	29.2	-4.5106	1.48479
V 292.401	0.7491	ppb	0.1472	19.6	12.2448	0.74914
Zn 206.200	0.5792	ppb	0.8001	138.2	1.7273	0.57916

680-106194-a-13-a (Samp) **10/15/2014, 10:49:13 PM** **Rack 3, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-6.2985u	-6.7875u	-7.0324u
Al 308.215	289102	289176	289505
As 188.980	359.049	376.068	367.131
B 249.678	47.9381u	47.9465u	49.1148u
Ba 389.178	471.669	473.566	471.847
Be 313.042	14.9206	14.9377	14.9038
Ca 370.602	25142	25057	25071
Cd 226.502	-4.5208	-4.3706	-4.4709
Co 228.615	344.177	342.095	340.595
Cr 267.716	357.704	357.876	357.720
Cu 324.754	307.858	309.195	311.287
Fe 271.441	425975	426314	425679
K 766.491	18406.2	18395.5	18331.8
Mg 279.078	14738.7	14746.9	14755.8
Mn 257.610	3438.06	3434.30	3439.09
Mo 202.032	60.1823	59.8926	60.2999
Na 330.237	196.574u	253.318u	286.672u
Ni 231.604	254.798	256.414	258.368
Pb 220.353	451.241	462.013	453.595
Sb 206.834	-0.4830	2.5872	-2.4538
Se 196.026	2.9316	-0.4220	-8.1014
Sn 189.925	32.3295	31.9957	22.7492
Sr 216.596	85.2411	86.8915	85.8615
Ti 334.941	1194.56	1193.72	1191.91

Label	Replicates Concentration		
Tl 190.794	-8.7154u	-13.8703u	-11.9764u
V 292.401	680.583	680.046	678.317
Zn 206.200	385.395	387.087	387.967

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-6.7061	ppb	0.3737	5.6	-579.372
Al 308.215	289261	ppb	214.453	0.1	1915298
As 188.980	367.416	ppb	8.5130	2.3	194.898
B 249.678	48.3331	ppb	0.6769	1.4	-119.814
Ba 389.178	472.361	ppb	1.0474	0.2	9760.40
Be 313.042	14.9207	ppb	0.0169	0.1	24013.8
Ca 370.602	25090	ppb	45.30	0.2	54386
Cd 226.502	-4.4541	ppb	0.0765	1.7	1355.83
Co 228.615	342.289	ppb	1.7988	0.5	3616.71
Cr 267.716	357.767	ppb	0.0948	0.0	17983.1
Cu 324.754	309.447	ppb	1.7281	0.6	22120.9
Fe 271.441	425989	ppb	317.904	0.1	599952
K 766.491	18377.9	ppb	40.2144	0.2	786497
Mg 279.078	14747.1	ppb	8.5985	0.1	35686.4
Mn 257.610	3437.15	ppb	2.5199	0.1	712126
Mo 202.032	60.1249	ppb	0.2096	0.3	359.661
Na 330.237	245.521	ppb	45.5519	18.6	-77.4204
Ni 231.604	256.527	ppb	1.7880	0.7	737.445
Pb 220.353	455.616	ppb	5.6630	1.2	621.157
Sb 206.834	-0.1165	ppb	2.5404	2179.7	16.4116
Se 196.026	-1.8639	ppb	5.6561	303.4	5.8769
Sn 189.925	29.0248	ppb	5.4374	18.7	13.7099
Sr 216.596	85.9980	ppb	0.8337	1.0	1395.25
Ti 334.941	1193.40	ppb	1.3536	0.1	331170
Tl 190.794	-11.5207	ppb	2.6075	22.6	-64.7001
V 292.401	679.649	ppb	1.1841	0.2	17750.4
Zn 206.200	386.816	ppb	1.3069	0.3	333.136

680-106194-a-25-a (Samp) **10/15/2014, 10:53:32 PM** **Rack 3, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	-2.9122u	-3.8367u	-3.2058u
Al 308.215	80163.3	80194.4	80178.5
As 188.980	277.738	283.418	279.461
B 249.678	12.3409u	12.7325u	12.1804u
Ba 389.178	412.764	412.309	413.033
Be 313.042	23.8655	23.8428	23.8648
Ca 370.602	22260	22332	22265
Cd 226.502	-2.9383	-2.7991	-2.7688
Co 228.615	83.4799	82.9445	82.7313
Cr 267.716	206.620	207.178	206.712
Cu 324.754	313.619	314.531	312.439
Fe 271.441	295489	295612	295256
K 766.491	6247.76	6241.32	6243.07
Mg 279.078	8623.47	8613.91	8610.57
Mn 257.610	11323.3	11358.7	11332.3
Mo 202.032	25.3610	25.8161	24.0788
Na 330.237	2595.65	2478.42	2354.50

Label	Replicates Concentration		
Ni 231.604	291.911	292.298	293.900
Pb 220.353	249.708	253.147	249.118
Sb 206.834	2.8073	3.6552	7.0282
Se 196.026	2.7169	13.0810	-6.3709
Sn 189.925	13.9695	19.4094	18.5574
Sr 216.596	57.4966	55.9856	56.6151
Ti 334.941	710.332	711.453	711.065
Tl 190.794	-8.1437u	-5.8600u	-3.3062u
V 292.401	325.431	325.872	325.098
Zn 206.200	293.506	295.962	290.981

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.3182	ppb	0.4724	14.2	-261.136
Al 308.215	80178.7	ppb	15.5673	0.0	531485
As 188.980	280.206	ppb	2.9122	1.0	147.037
B 249.678	12.4179	ppb	0.2840	2.3	-392.151
Ba 389.178	412.702	ppb	0.3660	0.1	8477.38
Be 313.042	23.8577	ppb	0.0129	0.1	38535.9
Ca 370.602	22286	ppb	40.06	0.2	49150
Cd 226.502	-2.8354	ppb	0.0904	3.2	955.303
Co 228.615	83.0519	ppb	0.3857	0.5	899.702
Cr 267.716	206.837	ppb	0.2991	0.1	10472.4
Cu 324.754	313.530	ppb	1.0491	0.3	22357.5
Fe 271.441	295453	ppb	180.974	0.1	416092
K 766.491	6244.05	ppb	3.3287	0.1	267434
Mg 279.078	8615.99	ppb	6.6967	0.1	20717.5
Mn 257.610	11338.1	ppb	18.3976	0.2	2345566
Mo 202.032	25.0853	ppb	0.9009	3.6	148.677
Na 330.237	2476.19	ppb	120.590	4.9	62.7938
Ni 231.604	292.703	ppb	1.0544	0.4	828.294
Pb 220.353	250.658	ppb	2.1760	0.9	340.995
Sb 206.834	4.4969	ppb	2.2328	49.7	17.6432
Se 196.026	3.1423	ppb	9.7329	309.7	8.3288
Sn 189.925	17.3121	ppb	2.9259	16.9	6.0098
Sr 216.596	56.6991	ppb	0.7590	1.3	936.279
Ti 334.941	710.950	ppb	0.5691	0.1	197265
Tl 190.794	-5.7700	ppb	2.4200	41.9	-41.1292
V 292.401	325.467	ppb	0.3882	0.1	8530.62
Zn 206.200	293.483	ppb	2.4909	0.8	254.243

680-106194-a-18-a (Samp) **10/15/2014, 10:57:50 PM** **Rack 3, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	13.0826	12.7531	12.8804
Al 308.215	41480.4	41554.6	41556.0
As 188.980	153.037	158.923	154.080
B 249.678	60.4529	61.0152	61.8789
Ba 389.178	604.588	605.360	604.481
Be 313.042	5.7914	5.7977	5.7850
Ca 370.602	768933	768378	765686
Cd 226.502	11.0794	11.5489	11.6450
Co 228.615	349.786	348.821	351.170
Cr 267.716	168.838	168.559	168.604

Label	Replicates Concentration		
Cu 324.754	1532.07	1519.09	1524.45
Fe 271.441	137372	137412	137777
K 766.491	6518.40	6516.00	6504.48
Mg 279.078	42079.3	42101.3	42138.0
Mn 257.610	2408.63	2409.64	2414.16
Mo 202.032	23.3323	23.5406	23.9162
Na 330.237	1900.29	1942.28	1727.72
Ni 231.604	255.002	255.349	256.163
Pb 220.353	1237.49	1233.73	1246.51
Sb 206.834	13.9275	13.3022	10.9519
Se 196.026	11.8822	8.2423	4.5853
Sn 189.925	114.981	114.092	110.723
Sr 216.596	995.639	997.753	1001.32
Ti 334.941	939.953	939.546	939.199
Tl 190.794	-7.3638u	-8.1289u	-8.0697u
V 292.401	446.727	446.978	448.873
Zn 206.200	1870.66	1853.77	1868.40

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.9054b	ppb	0.1662	1.3	945.162
Al 308.215	41530.4b	ppb	43.2336	0.1	275486
As 188.980	155.347b	ppb	3.1407	2.0	80.5522
B 249.678	61.1157b	ppb	0.7183	1.2	672.458
Ba 389.178	604.810b	ppb	0.4796	0.1	12338.3
Be 313.042	5.7914b	ppb	0.0063	0.1	9360.56
Ca 370.602	767666b	ppb	1736	0.2	1773657
Cd 226.502	11.4244b	ppb	0.3027	2.6	930.593
Co 228.615	349.926b	ppb	1.1806	0.3	3674.29
Cr 267.716	168.667b	ppb	0.1500	0.1	8469.14
Cu 324.754	1525.20b	ppb	6.5238	0.4	107274
Fe 271.441	137520b	ppb	223.081	0.2	193712
K 766.491	6512.96b	ppb	7.4423	0.1	278937
Mg 279.078	42106.2b	ppb	29.6485	0.1	102258
Mn 257.610	2410.81b	ppb	2.9434	0.1	499283
Mo 202.032	23.5964b	ppb	0.2959	1.3	146.012
Na 330.237	1856.77b	ppb	113.712	6.1	30.6415
Ni 231.604	255.505b	ppb	0.5959	0.2	712.712
Pb 220.353	1239.24b	ppb	6.5681	0.5	1758.74
Sb 206.834	12.7272b	ppb	1.5689	12.3	23.4260
Se 196.026	8.2366b	ppb	3.6484	44.3	7.4094
Sn 189.925	113.265b	ppb	2.2461	2.0	69.0975
Sr 216.596	998.237b	ppb	2.8704	0.3	11309.3
Ti 334.941	939.566b	ppb	0.3774	0.0	260738
Tl 190.794	-7.8541b	ppb	0.4257	5.4	-27.4627
V 292.401	447.526b	ppb	1.1735	0.3	11644.0
Zn 206.200	1864.28b	ppb	9.1726	0.5	1677.44

680-106194-a-8-a (Samp) **10/15/2014, 11:02:08 PM** **Rack 3, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	-1.0466u	-0.9639u	-1.0576u
Al 308.215	43030.1	43033.7	43064.9
As 188.980	28.0095	28.5518	22.7058

Label	Replicates Concentration		
B 249.678	14.9140	14.0182	14.1438
Ba 389.178	473.099	473.688	476.066
Be 313.042	4.3648	4.3534	4.3770
Ca 370.602	1554473x	1565725x	1552686x
Cd 226.502	1.1631	1.0666	0.9118
Co 228.615	15.3476	16.6938	15.3501
Cr 267.716	90.9611	91.2646	91.6003
Cu 324.754	33.4040	32.9029	32.6199
Fe 271.441	17048.6	17053.1	17135.0
K 766.491	3137.31	3152.38	3151.43
Mg 279.078	23353.9	23340.7	23358.7
Mn 257.610	1443.90	1445.75	1447.70
Mo 202.032	0.3952	0.6511	-0.2775u
Na 330.237	275.355	379.402	580.230
Ni 231.604	38.1821	36.0006	34.4458
Pb 220.353	55.1470	58.4897	54.2279
Sb 206.834	1.8032	0.5301	4.7451
Se 196.026	9.7794	16.9840	3.7996
Sn 189.925	9.1827	6.8913	9.4581
Sr 216.596	292.256	292.680	293.967
Ti 334.941	212.207	212.708	212.766
Tl 190.794	-3.5759u	-5.8045u	-5.8512u
V 292.401	61.0898	61.7294	61.6596
Zn 206.200	43.4056	43.7776	41.4707

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0227b	ppb	0.0512	5.0	-98.7164
Al 308.215	43042.9b	ppb	19.1411	0.0	285257
As 188.980	26.4224b	ppb	3.2300	12.2	12.0371
B 249.678	14.3587b	ppb	0.4850	3.4	216.925
Ba 389.178	474.285b	ppb	1.5707	0.3	9606.55
Be 313.042	4.3651b	ppb	0.0118	0.3	7267.09
Ca 370.602	1557628xb	ppb	7069	0.5	3600686
Cd 226.502	1.0472b	ppb	0.1268	12.1	113.466
Co 228.615	15.7971b	ppb	0.7765	4.9	172.994
Cr 267.716	91.2753b	ppb	0.3197	0.4	4574.50
Cu 324.754	32.9756b	ppb	0.3971	1.2	2568.86
Fe 271.441	17078.9b	ppb	48.6564	0.3	24060.6
K 766.491	3147.04b	ppb	8.4387	0.3	134950
Mg 279.078	23351.1b	ppb	9.3167	0.0	56709.5
Mn 257.610	1445.78b	ppb	1.9006	0.1	299253
Mo 202.032	0.2563b	ppb	0.4796	187.1	7.0743
Na 330.237	411.663b	ppb	154.977	37.6	36.2810
Ni 231.604	36.2095b	ppb	1.8769	5.2	96.8091
Pb 220.353	55.9549b	ppb	2.2428	4.0	78.8845
Sb 206.834	2.3594b	ppb	2.1619	91.6	5.7021
Se 196.026	10.1877b	ppb	6.6017	64.8	7.0674
Sn 189.925	8.5107b	ppb	1.4092	16.6	0.2229
Sr 216.596	292.968b	ppb	0.8915	0.3	3746.68
Ti 334.941	212.560b	ppb	0.3071	0.1	58962.8
Tl 190.794	-5.0772b	ppb	1.3004	25.6	-12.1817
V 292.401	61.4929b	ppb	0.3509	0.6	1591.98
Zn 206.200	42.8846b	ppb	1.2385	2.9	39.0124

680-106194-a-7-a (Samp) **10/15/2014, 11:06:26 PM** **Rack 3, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-2.8768u	-2.4361u	-2.4972u
Al 308.215	71877.3	71917.8	71804.6
As 188.980	267.109	272.765	272.809
B 249.678	21.4783	22.0285	22.1755
Ba 389.178	565.798	565.995	566.307
Be 313.042	6.7158	6.7330	6.7262
Ca 370.602	630216	629954	632702
Cd 226.502	0.3469	0.5296	0.4145
Co 228.615	61.1850	62.0238	61.5336
Cr 267.716	127.310	127.730	128.284
Cu 324.754	104.061	106.062	102.926
Fe 271.441	102783	102961	103006
K 766.491	5119.38	5109.76	5109.76
Mg 279.078	20122.7	20178.3	20151.6
Mn 257.610	3105.62	3120.20	3110.09
Mo 202.032	7.1407	7.0771	6.7838
Na 330.237	177.603u	179.857u	193.979u
Ni 231.604	73.8796	75.0814	76.1042
Pb 220.353	156.783	158.887	152.297
Sb 206.834	4.7940	-0.3865	2.1909
Se 196.026	-5.8945u	0.8838	3.8682
Sn 189.925	16.1195	14.9900	17.9076
Sr 216.596	147.008	148.021	147.946
Ti 334.941	516.259	514.794	513.765
Tl 190.794	-3.6228u	-9.0162u	-4.6186u
V 292.401	185.779	186.439	186.196
Zn 206.200	184.570	180.642	179.572

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.6033	ppb	0.2388	9.2	-219.126
Al 308.215	71866.6	ppb	57.3305	0.1	476148
As 188.980	270.895	ppb	3.2780	1.2	142.983
B 249.678	21.8941	ppb	0.3675	1.7	151.335
Ba 389.178	566.033	ppb	0.2568	0.0	11506.3
Be 313.042	6.7250	ppb	0.0086	0.1	10833.7
Ca 370.602	630957	ppb	1516	0.2	1457829
Cd 226.502	0.4304	ppb	0.0924	21.5	396.102
Co 228.615	61.5808	ppb	0.4214	0.7	660.899
Cr 267.716	127.775	ppb	0.4888	0.4	6430.24
Cu 324.754	104.350	ppb	1.5876	1.5	7608.69
Fe 271.441	102917	ppb	117.725	0.1	144948
K 766.491	5112.97	ppb	5.5521	0.1	219049
Mg 279.078	20150.9	ppb	27.7924	0.1	48894.1
Mn 257.610	3111.97	ppb	7.4677	0.2	644017
Mo 202.032	7.0005	ppb	0.1904	2.7	45.0366
Na 330.237	183.813	ppb	8.8759	4.8	1.2154
Ni 231.604	75.0217	ppb	1.1135	1.5	210.766
Pb 220.353	155.989	ppb	3.3661	2.2	216.173
Sb 206.834	2.1995	ppb	2.5903	117.8	8.3451
Se 196.026	-0.3808	ppb	5.0027	1313.7	3.9665
Sn 189.925	16.3390	ppb	1.4711	9.0	5.3697
Sr 216.596	147.658	ppb	0.5646	0.4	1938.79

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	514.939	ppb	1.2529	0.2	142873
Tl 190.794	-5.7526	ppb	2.8700	49.9	-22.0819
V 292.401	186.138	ppb	0.3339	0.2	4854.78
Zn 206.200	181.595	ppb	2.6312	1.4	160.789

680-106194-a-9-a (Samp) **10/15/2014, 11:10:44 PM** **Rack 3, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	-0.9207u	-0.4851u	-1.5495u
Al 308.215	85102.0	85216.9	85152.8
As 188.980	856.224	845.823	847.048
B 249.678	38.3297	38.5347	39.0001
Ba 389.178	892.929	897.123	892.896
Be 313.042	7.4226	7.4441	7.4364
Ca 370.602	353355	352570	352242
Cd 226.502	17.0092	16.8705	16.9355
Co 228.615	70.2590	70.0247	69.8765
Cr 267.716	373.907	373.897	373.900
Cu 324.754	5396.84	5314.77	5382.09
Fe 271.441	241500	241931	241900
K 766.491	5322.58	5299.72	5315.33
Mg 279.078	43850.0	43880.7	43745.4
Mn 257.610	5038.69	5031.36	5002.28
Mo 202.032	36.7085	38.0413	36.8228
Na 330.237	606.026u	726.153u	938.394u
Ni 231.604	260.525	259.954	260.922
Pb 220.353	1733.54	1745.62	1730.07
Sb 206.834	38.7316	35.7403	31.1920
Se 196.026	-0.3895	17.3211	7.3482
Sn 189.925	130.055	130.837	131.459
Sr 216.596	390.076	393.286	391.891
Ti 334.941	880.869	883.538	882.969
Tl 190.794	-5.3320u	-3.4533u	-4.6704u
V 292.401	210.979	211.295	211.610
Zn 206.200	2270.83	2292.06	2274.64

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9851	ppb	0.5351	54.3	-113.727
Al 308.215	85157.3	ppb	57.5920	0.1	564332
As 188.980	849.698	ppb	5.6844	0.7	452.875
B 249.678	38.6215	ppb	0.3435	0.9	114.032
Ba 389.178	894.316	ppb	2.4311	0.3	18263.6
Be 313.042	7.4344	ppb	0.0109	0.1	11896.2
Ca 370.602	352723	ppb	572.0	0.2	813457
Cd 226.502	16.9384	ppb	0.0694	0.4	1509.26
Co 228.615	70.0534	ppb	0.1928	0.3	764.416
Cr 267.716	373.901	ppb	0.0052	0.0	18713.2
Cu 324.754	5364.57	ppb	43.7498	0.8	376600
Fe 271.441	241777	ppb	240.674	0.1	340501
K 766.491	5312.54	ppb	11.6830	0.2	227586
Mg 279.078	43825.4	ppb	70.9564	0.2	106372
Mn 257.610	5024.11	ppb	19.2569	0.4	1039997
Mo 202.032	37.1909	ppb	0.7387	2.0	225.930

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	756.857	ppb	168.298	22.2	-56.7828
Ni 231.604	260.467	ppb	0.4863	0.2	735.041
Pb 220.353	1736.41	ppb	8.1624	0.5	2461.56
Sb 206.834	35.2213	ppb	3.7965	10.8	58.1422
Se 196.026	8.0933	ppb	8.8788	109.7	8.6449
Sn 189.925	130.784	ppb	0.7036	0.5	80.6151
Sr 216.596	391.751	ppb	1.6097	0.4	4654.57
Ti 334.941	882.459	ppb	1.4059	0.2	244909
Tl 190.794	-4.4852	ppb	0.9529	21.2	-36.6600
V 292.401	211.295	ppb	0.3158	0.1	5546.78
Zn 206.200	2279.17	ppb	11.3181	0.5	2047.24

680-106194-a-19-a (Samp) **10/15/2014, 11:15:02 PM** **Rack 3, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	-0.0082u	-0.2618u	-0.4174u
Al 308.215	39386.0	39447.9	39421.9
As 188.980	1227.72	1252.52	1230.29
B 249.678	26.7419	27.4108	26.6851
Ba 389.178	670.047	667.738	669.243
Be 313.042	4.0514	4.0412	4.0439
Ca 370.602	1346750x	1342853x	1354178x
Cd 226.502	3.3881	3.1440	2.8919
Co 228.615	30.5027	30.3262	30.5939
Cr 267.716	97.3201	97.3498	97.2532
Cu 324.754	149.350	149.988	150.131
Fe 271.441	164060	164035	163888
K 766.491	5853.69	5867.08	5861.75
Mg 279.078	22492.7	22517.5	22483.8
Mn 257.610	2236.06	2236.63	2237.83
Mo 202.032	11.3614	10.8758	10.4205
Na 330.237	735.265u	712.928u	844.190u
Ni 231.604	74.0342	76.4317	77.3224
Pb 220.353	305.672	305.338	302.201
Sb 206.834	5.5897	9.2673	6.8430
Se 196.026	12.8111	7.5302	4.9411
Sn 189.925	38.4723	40.6239	41.7913
Sr 216.596	533.392	535.364	535.846
Ti 334.941	1037.45	1037.77	1036.07
Tl 190.794	-11.6070u	-9.7247u	-10.2442u
V 292.401	145.842	146.873	145.642
Zn 206.200	591.970	590.775	595.356

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2291b	ppb	0.2065	90.2	-63.4977
Al 308.215	39418.6b	ppb	31.1238	0.1	261528
As 188.980	1236.84b	ppb	13.6358	1.1	660.599
B 249.678	26.9460b	ppb	0.4036	1.5	99.5911
Ba 389.178	669.009b	ppb	1.1722	0.2	13628.2
Be 313.042	4.0455b	ppb	0.0053	0.1	6686.72
Ca 370.602	1347927xb	ppb	5754	0.4	3114806
Cd 226.502	3.1414b	ppb	0.2481	7.9	715.905
Co 228.615	30.4742b	ppb	0.1361	0.4	350.514

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	97.3077b	ppb	0.0495	0.1	4942.39
Cu 324.754	149.823b	ppb	0.4156	0.3	10824.0
Fe 271.441	163994b	ppb	92.7063	0.1	230958
K 766.491	5860.84b	ppb	6.7379	0.1	251041
Mg 279.078	22498.0b	ppb	17.4281	0.1	54623.4
Mn 257.610	2236.84b	ppb	0.9030	0.0	463248
Mo 202.032	10.8859b	ppb	0.4706	4.3	66.5127
Na 330.237	764.128b	ppb	70.2299	9.2	3.2992
Ni 231.604	75.9294b	ppb	1.7007	2.2	217.998
Pb 220.353	304.404b	ppb	1.9148	0.6	424.108
Sb 206.834	7.2333b	ppb	1.8696	25.8	16.4360
Se 196.026	8.4275b	ppb	4.0110	47.6	7.6545
Sn 189.925	40.2958b	ppb	1.6836	4.2	21.1209
Sr 216.596	534.867b	ppb	1.3003	0.2	6481.91
Ti 334.941	1037.10b	ppb	0.9030	0.1	287772
Tl 190.794	-10.5253b	ppb	0.9721	9.2	-34.6366
V 292.401	146.119b	ppb	0.6607	0.5	3848.11
Zn 206.200	592.700b	ppb	2.3762	0.4	529.419

680-106194-a-31-a (Samp) **10/15/2014, 11:19:21 PM** **Rack 3, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	-3.3752u	-3.7743u	-3.3549u
Al 308.215	120281	120156	120606
As 188.980	311.339	306.533	303.879
B 249.678	8.6776u	7.9392u	8.5598u
Ba 389.178	421.710	423.835	424.895
Be 313.042	41.2970	41.3055	41.3470
Ca 370.602	20751	20717	20714
Cd 226.502	-0.2711	0.1638	-0.2773
Co 228.615	57.6785	57.8921	57.9845
Cr 267.716	199.138	198.956	199.531
Cu 324.754	2508.46	2541.13	2520.16
Fe 271.441	261774	262161	262340
K 766.491	6505.96	6510.56	6528.83
Mg 279.078	9114.10	9102.92	9123.43
Mn 257.610	6364.53	6369.64	6370.02
Mo 202.032	26.1738	26.2693	25.8308
Na 330.237	492.846u	349.143u	316.563u
Ni 231.604	374.694	377.116	377.563
Pb 220.353	274.683	270.983	276.211
Sb 206.834	5.1337	3.4676	2.2008
Se 196.026	6.0843	-0.7491	-4.7329
Sn 189.925	32.9061	33.3865	23.5174
Sr 216.596	50.5724	49.8703	50.7538
Ti 334.941	834.090	834.201	835.291
Tl 190.794	-2.5052u	-8.5576u	-7.5462u
V 292.401	378.494	380.136	380.199
Zn 206.200	419.769	419.749	418.096

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.5015	ppb	0.2365	6.8	-292.722
Al 308.215	120348	ppb	232.167	0.2	797248

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	307.250	ppb	3.7814	1.2	162.053
B 249.678	8.3922	ppb	0.3967	4.7	-386.566
Ba 389.178	423.480	ppb	1.6221	0.4	8680.93
Be 313.042	41.3165	ppb	0.0268	0.1	66966.9
Ca 370.602	20727	ppb	20.55	0.1	45803
Cd 226.502	-0.1282	ppb	0.2529	197.2	943.433
Co 228.615	57.8517	ppb	0.1569	0.3	637.668
Cr 267.716	199.208	ppb	0.2943	0.1	10058.3
Cu 324.754	2523.25	ppb	16.5549	0.7	177326
Fe 271.441	262092	ppb	289.181	0.1	369109
K 766.491	6515.12	ppb	12.0949	0.2	279030
Mg 279.078	9113.48	ppb	10.2702	0.1	22002.3
Mn 257.610	6368.06	ppb	3.0655	0.0	1317716
Mo 202.032	26.0913	ppb	0.2306	0.9	156.200
Na 330.237	386.184	ppb	93.7972	24.3	-33.0811
Ni 231.604	376.458	ppb	1.5438	0.4	1057.96
Pb 220.353	273.959	ppb	2.6882	1.0	374.665
Sb 206.834	3.6007	ppb	1.4710	40.9	15.4582
Se 196.026	0.2007	ppb	5.4708	2725.4	6.0203
Sn 189.925	29.9367	ppb	5.5645	18.6	14.3098
Sr 216.596	50.3988	ppb	0.4666	0.9	831.152
Ti 334.941	834.528	ppb	0.6637	0.1	231555
Tl 190.794	-6.2030	ppb	3.2421	52.3	-39.9474
V 292.401	379.610	ppb	0.9666	0.3	9924.29
Zn 206.200	419.205	ppb	0.9600	0.2	368.891

680-106194-b-1-a (Samp) **10/15/2014, 11:23:39 PM** **Rack 3, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	40.9934	40.7268	40.4801
Al 308.215	76041.1	75810.2	75866.4
As 188.980	236.807	248.653	246.226
B 249.678	329.279	330.320	330.692
Ba 389.178	4302.54	4287.36	4284.91
Be 313.042	3.9332	3.9286	3.9225
Ca 370.602	1202048x	1204295x	1204164x
Cd 226.502	359.427	357.880	356.809
Co 228.615	109.600	108.649	108.260
Cr 267.716	1655.42	1653.77	1652.96
Cu 324.754	533591x	542317o	513001o
Fe 271.441	748877	754757	752858
K 766.491	8298.99	8311.28	8309.79
Mg 279.078	103109	102961	102945
Mn 257.610	7847.65	7874.70	7828.69
Mo 202.032	184.783	186.326	185.738
Na 330.237	15974.0u	15695.2u	15438.4u
Ni 231.604	1631.49	1627.59	1635.33
Pb 220.353	14112.6	14110.0	14066.9
Sb 206.834	178.430	179.024	177.098
Se 196.026	10.8013	0.3992	18.9675
Sn 189.925	1123.76	1119.38	1108.01
Sr 216.596	2058.33	2059.11	2051.67
Ti 334.941	1803.16	1798.42	1797.39

Label	Replicates Concentration		
Tl 190.794	-40.0540u	-41.0072u	-39.7511u
V 292.401	216.558	216.557	216.841
Zn 206.200	127468x	126805x	127113x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	40.7334b	ppb	0.2567	0.6	2991.44
Al 308.215	75905.9b	ppb	120.400	0.2	503975
As 188.980	243.895b	ppb	6.2580	2.6	125.062
B 249.678	330.097b	ppb	0.7322	0.2	3450.95
Ba 389.178	4291.60b	ppb	9.5496	0.2	87496.2
Be 313.042	3.9281b	ppb	0.0053	0.1	6475.25
Ca 370.602	1203502xb	ppb	1261	0.1	2775586
Cd 226.502	358.038b	ppb	1.3164	0.4	16101.9
Co 228.615	108.836b	ppb	0.6898	0.6	1215.98
Cr 267.716	1654.05b	ppb	1.2562	0.1	82469.4
Cu 324.754	529637oxb	ppb	15052.8	2.8	37147388
Fe 271.441	752164b	ppb	3001.11	0.4	1059263
K 766.491	8306.69b	ppb	6.7069	0.1	355670
Mg 279.078	103005b	ppb	90.1493	0.1	250099
Mn 257.610	7850.35b	ppb	23.1248	0.3	1626329
Mo 202.032	185.616b	ppb	0.7783	0.4	1122.62
Na 330.237	15702.5b	ppb	267.860	1.7	-2564.87
Ni 231.604	1631.47b	ppb	3.8741	0.2	4571.99
Pb 220.353	14096.5b	ppb	25.6418	0.2	20056.5
Sb 206.834	178.184b	ppb	0.9861	0.6	273.234
Se 196.026	10.0560b	ppb	9.3066	92.5	13.8241
Sn 189.925	1117.05b	ppb	8.1302	0.7	729.065
Sr 216.596	2056.37b	ppb	4.0862	0.2	23644.8
Ti 334.941	1799.66b	ppb	3.0739	0.2	499572
Tl 190.794	-40.2708b	ppb	0.6555	1.6	-132.111
V 292.401	216.652b	ppb	0.1633	0.1	5804.99
Zn 206.200	127129xb	ppb	331.720	0.3	114660

CRI (Samp) **10/15/2014, 11:27:57 PM** **Rack 3, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	10.6637	10.3805	10.7785
Al 308.215	218.862	219.339	218.834
As 188.980	20.3260	23.5423	26.6719
B 249.678	105.823	105.643	104.999
Ba 389.178	9.6990	10.7821	10.4620
Be 313.042	4.1182	4.1152	4.1203
Ca 370.602	616.7	625.2	620.7
Cd 226.502	5.1810	5.2060	5.1148
Co 228.615	9.9495	10.4243	10.2255
Cr 267.716	10.3256	10.2943	10.1562
Cu 324.754	61.8383	71.7155	69.2629
Fe 271.441	122.500	132.285	128.029
K 766.491	1068.39	1069.36	1069.17
Mg 279.078	522.381	521.843	519.137
Mn 257.610	11.8041	11.9382	11.8234
Mo 202.032	10.3624	10.6164	10.3505
Na 330.237	968.138	925.182	952.857

Label	Replicates Concentration		
Ni 231.604	42.0369	40.3034	40.0657
Pb 220.353	11.7654	14.7141	15.0729
Sb 206.834	22.7075	22.8553	24.6333
Se 196.026	24.3235	31.9011	29.8951
Sn 189.925	53.3405	54.0308	50.5738
Sr 216.596	9.6824	10.4532	10.0361
Ti 334.941	10.7382	10.6479	10.6077
Tl 190.794	25.5130	26.3258	25.2265
V 292.401	10.1732	10.0752	10.1650
Zn 206.200	33.0028	36.1422	36.4702

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6076	ppb	0.2048	1.9	809.674
Al 308.215	219.012	ppb	0.2839	0.1	1845.36
As 188.980	23.5134	ppb	3.1731	13.5	10.2013
B 249.678	105.488	ppb	0.4334	0.4	1630.60
Ba 389.178	10.3144	ppb	0.5564	5.4	159.197
Be 313.042	4.1179	ppb	0.0025	0.1	6385.96
Ca 370.602	620.9	ppb	4.258	0.7	1449
Cd 226.502	5.1673	ppb	0.0472	0.9	207.047
Co 228.615	10.1998	ppb	0.2385	2.3	109.339
Cr 267.716	10.2587	ppb	0.0902	0.9	540.190
Cu 324.754	67.6056	ppb	5.1429	7.6	4991.83
Fe 271.441	127.605	ppb	4.9065	3.8	187.721
K 766.491	1068.97	ppb	0.5155	0.0	46053.7
Mg 279.078	521.120	ppb	1.7389	0.3	1284.70
Mn 257.610	11.8552	ppb	0.0725	0.6	2496.43
Mo 202.032	10.4431	ppb	0.1502	1.4	70.8856
Na 330.237	948.726	ppb	21.7737	2.3	66.5016
Ni 231.604	40.8020	ppb	1.0760	2.6	108.239
Pb 220.353	13.8508	ppb	1.8149	13.1	20.1646
Sb 206.834	23.3987	ppb	1.0718	4.6	31.9211
Se 196.026	28.7066	ppb	3.9261	13.7	13.7957
Sn 189.925	52.6483	ppb	1.8295	3.5	29.2429
Sr 216.596	10.0572	ppb	0.3859	3.8	111.498
Ti 334.941	10.6646	ppb	0.0669	0.6	2898.18
Tl 190.794	25.6884	ppb	0.5703	2.2	19.1503
V 292.401	10.1378	ppb	0.0544	0.5	253.761
Zn 206.200	35.2051	ppb	1.9143	5.4	32.9362

Cont Calib Verif (CCV) **10/15/2014, 11:32:16 PM** **Rack 4, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	488.803	486.942	487.662
Al 308.215	4836.67	4838.14	4825.05
As 188.980	449.767	451.879	453.304
B 249.678	482.914	482.361	486.714
Ba 389.178	4758.03	4754.66	4753.08
Be 313.042	477.300	478.773	478.830
Ca 370.602	4724	4745	4740
Cd 226.502	473.379	474.274	473.459
Co 228.615	483.168	483.881	484.446
Cr 267.716	4768.32	4773.98	4779.87

Label	Replicates Concentration		
Cu 324.754	5058.32	5046.97	5020.53
Fe 271.441	4784.56	4787.93	4781.62
K 766.491	9956.24	9963.25	9945.23
Mg 279.078	4816.91	4808.39	4814.86
Mn 257.610	4899.65	4899.66	4912.90
Mo 202.032	481.188	482.341	481.694
Na 330.237	7467.31	7145.94	7286.42
Ni 231.604	2415.87	2419.58	2419.40
Pb 220.353	477.500	483.554	478.902
Sb 206.834	914.258	918.960	912.379
Se 196.026	4769.69	4750.60	4712.73
Sn 189.925	4785.54	4766.19	4819.70
Sr 216.596	2351.86	2347.67	2355.13
Ti 334.941	478.421	478.524	477.909
Tl 190.794	4836.59	4865.10	4860.65
V 292.401	4798.06	4795.38	4792.49
Zn 206.200	2335.51	2341.44	2343.90

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.802	ppb	0.9387	0.2	37676.4	97.56046
Al 308.215	4833.28	ppb	7.1692	0.1	32878.6	96.66568
As 188.980	451.650	ppb	1.7793	0.4	239.795	90.32999
B 249.678	483.996	ppb	2.3696	0.5	7356.22	96.79925
Ba 389.178	4755.26	ppb	2.5289	0.1	96412.3	95.10513
Be 313.042	478.301	ppb	0.8674	0.2	778516	95.66023
Ca 370.602	4737	ppb	10.90	0.2	11219	94.73477
Cd 226.502	473.704	ppb	0.4953	0.1	17758.4	94.74077
Co 228.615	483.832	ppb	0.6407	0.1	5047.45	96.76631
Cr 267.716	4774.06	ppb	5.7741	0.1	236903	95.48113
Cu 324.754	5041.94	ppb	19.3905	0.4	353827	100.83875
Fe 271.441	4784.70	ppb	3.1601	0.1	6840.67	95.69409
K 766.491	9954.91	ppb	9.0847	0.1	426178	99.54905
Mg 279.078	4813.39	ppb	4.4473	0.1	11621.1	96.26781
Mn 257.610	4904.07	ppb	7.6454	0.2	1014212	98.08145
Mo 202.032	481.741	ppb	0.5777	0.1	2982.51	96.34824
Na 330.237	7299.89	ppb	161.106	2.2	311.295	97.33189
Ni 231.604	2418.29	ppb	2.0917	0.1	6693.58	96.73148
Pb 220.353	479.985	ppb	3.1691	0.7	688.000	95.99709
Sb 206.834	915.199	ppb	3.3900	0.4	1251.64	91.51987
Se 196.026	4744.34	ppb	28.9938	0.6	1830.35	94.88681
Sn 189.925	4790.48	ppb	27.0967	0.6	3144.30	95.80955
Sr 216.596	2351.56	ppb	3.7413	0.2	25637.1	94.06222
Ti 334.941	478.285	ppb	0.3292	0.1	132662	95.65698
Tl 190.794	4854.11	ppb	15.3388	0.3	4747.70	97.08224
V 292.401	4795.31	ppb	2.7836	0.1	124006	95.90615
Zn 206.200	2340.28	ppb	4.3156	0.2	2100.05	93.61130

Cont Calib Blank (CCB) **10/15/2014, 11:36:35 PM** **Rack 4, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.1333	-0.1904u	0.1053
Al 308.215	8.2747	8.6313	8.7683
As 188.980	6.2816	3.4350	5.7582

Label	Replicates Concentration		
B 249.678	9.2028	7.8509	7.7213
Ba 389.178	0.4264	0.1096	0.6771
Be 313.042	0.0680	0.0649	0.0765
Ca 370.602	23.99	14.10	15.75
Cd 226.502	0.1173	0.0391	0.0309
Co 228.615	0.2287	-0.0442u	0.2652
Cr 267.716	0.7173	0.6376	0.7988
Cu 324.754	3.9916	3.9401	4.3058
Fe 271.441	24.9074	7.4248	8.0124
K 766.491	-0.4997u	-0.8820u	-0.9024u
Mg 279.078	14.6239	1.7321	3.7038
Mn 257.610	1.5182	0.7351	0.8896
Mo 202.032	0.2702	1.5667	0.4864
Na 330.237	-94.5459u	-104.892u	55.0177
Ni 231.604	1.6725	1.6450	1.1225
Pb 220.353	1.8270	0.0272	3.0459
Sb 206.834	7.0605	5.5109	1.0016
Se 196.026	5.1684	3.8212	6.5755
Sn 189.925	-1.3325u	3.2218	4.6501
Sr 216.596	0.5698	0.4091	0.5093
Ti 334.941	0.2210	0.1790	0.2095
Tl 190.794	4.3492	0.3482	2.2407
V 292.401	0.6141	0.8443	0.8179
Zn 206.200	2.6506	2.9492	0.4533

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0161	ppb	0.1793	1116.4	-9.2277	0.01607
Al 308.215	8.5581	ppb	0.2548	3.0	451.128	8.55813
As 188.980	5.1583	ppb	1.5152	29.4	0.3552	5.15826
B 249.678	8.2583	ppb	0.8204	9.9	160.380	8.25835
Ba 389.178	0.4044	ppb	0.2844	70.3	-42.5645	0.40437
Be 313.042	0.0698	ppb	0.0060	8.6	-203.448	0.06982
Ca 370.602	17.95	ppb	5.299	29.5	52.60	17.94647
Cd 226.502	0.0625	ppb	0.0477	76.4	15.5836	0.06247
Co 228.615	0.1499	ppb	0.1691	112.8	4.6990	0.14989
Cr 267.716	0.7179	ppb	0.0806	11.2	66.7562	0.71790
Cu 324.754	4.0792	ppb	0.1979	4.9	536.015	4.07917
Fe 271.441	13.4482	ppb	9.9283	73.8	25.7902	13.44819
K 766.491	-0.7614	ppb	0.2268	29.8	292.511	-0.76141
Mg 279.078	6.6866	ppb	6.9442	103.9	35.1549	6.68657
Mn 257.610	1.0476	ppb	0.4148	39.6	257.413	1.04763
Mo 202.032	0.7744	ppb	0.6946	89.7	11.0667	0.77442
Na 330.237	-48.1400	ppb	89.4868	185.9	19.7003	-48.14002
Ni 231.604	1.4800	ppb	0.3099	20.9	-0.6763	1.48003
Pb 220.353	1.6334	ppb	1.5186	93.0	2.7637	1.63338
Sb 206.834	4.5243	ppb	3.1476	69.6	7.0835	4.52432
Se 196.026	5.1884	ppb	1.3772	26.5	4.7379	5.18838
Sn 189.925	2.1798	ppb	3.1244	143.3	-3.9397	2.17980
Sr 216.596	0.4960	ppb	0.0812	16.4	7.7949	0.49605
Ti 334.941	0.2032	ppb	0.0217	10.7	-5.4813	0.20318
Tl 190.794	2.3127	ppb	2.0015	86.5	-3.7027	2.31270
V 292.401	0.7587	ppb	0.1260	16.6	12.4262	0.75875
Zn 206.200	2.0177	ppb	1.3630	67.6	3.0245	2.01767

CRI (Samp) **10/15/2014, 11:40:54 PM** **Rack 4, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	10.5909	10.5009	10.3342
Al 308.215	212.306	211.712	213.193
As 188.980	23.1220	28.3575	25.1569
B 249.678	104.425	104.486	103.975
Ba 389.178	9.5096	10.3065	10.3174
Be 313.042	4.1222	4.1302	4.1254
Ca 370.602	506.0	513.3	507.5
Cd 226.502	5.0803	5.1237	4.9592
Co 228.615	9.7017	9.8339	10.7935
Cr 267.716	10.3285	10.2784	10.1042
Cu 324.754	22.5449	22.8073	22.7453
Fe 271.441	50.8168	55.2960	56.5797
K 766.491	1071.44	1072.16	1069.49
Mg 279.078	506.290	508.222	510.629
Mn 257.610	10.9942	11.1101	11.0667
Mo 202.032	9.9153	10.4806	10.3751
Na 330.237	1036.09	952.184	887.683
Ni 231.604	41.4504	40.3900	41.3350
Pb 220.353	12.1838	11.2962	12.5821
Sb 206.834	23.6340	20.4952	22.0410
Se 196.026	19.6308	24.1601	23.1174
Sn 189.925	52.9597	52.1708	51.2603
Sr 216.596	10.0858	10.0987	10.3758
Ti 334.941	10.3239	10.3418	10.3150
Tl 190.794	23.8769	27.6559	27.2688
V 292.401	10.3326	10.3618	10.0352
Zn 206.200	21.4712	19.4657	22.1635

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.4753	ppb	0.1302	1.2	799.456
Al 308.215	212.404	ppb	0.7451	0.4	1801.51
As 188.980	25.5454	ppb	2.6393	10.3	11.2919
B 249.678	104.296	ppb	0.2792	0.3	1612.70
Ba 389.178	10.0445	ppb	0.4633	4.6	153.670
Be 313.042	4.1259	ppb	0.0041	0.1	6399.05
Ca 370.602	508.9	ppb	3.836	0.8	1191
Cd 226.502	5.0544	ppb	0.0853	1.7	202.552
Co 228.615	10.1097	ppb	0.5959	5.9	108.394
Cr 267.716	10.2371	ppb	0.1177	1.2	539.077
Cu 324.754	22.6992	ppb	0.1372	0.6	1842.21
Fe 271.441	54.2309	ppb	3.0255	5.6	84.4005
K 766.491	1071.03	ppb	1.3842	0.1	46141.8
Mg 279.078	508.380	ppb	2.1738	0.4	1253.77
Mn 257.610	11.0570	ppb	0.0585	0.5	2331.07
Mo 202.032	10.2570	ppb	0.3006	2.9	69.7370
Na 330.237	958.652	ppb	74.4147	7.8	67.3226
Ni 231.604	41.0585	ppb	0.5818	1.4	108.944
Pb 220.353	12.0207	ppb	0.6583	5.5	17.5598
Sb 206.834	22.0567	ppb	1.5695	7.1	30.1519
Se 196.026	22.3028	ppb	2.3720	10.6	11.3295
Sn 189.925	52.1303	ppb	0.8504	1.6	28.9023
Sr 216.596	10.1868	ppb	0.1638	1.6	112.781

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	10.3269	ppb	0.0137	0.1	2804.44
Tl 190.794	26.2672	ppb	2.0791	7.9	19.7256
V 292.401	10.2432	ppb	0.1807	1.8	256.484
Zn 206.200	21.0334	ppb	1.4011	6.7	20.1540

CCV (Samp) **10/15/2014, 11:45:13 PM** **Rack 4, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	486.173	488.462	485.704
Al 308.215	4781.31	4788.89	4830.09
As 188.980	444.392	448.672	459.437
B 249.678	484.322	482.088	487.956
Ba 389.178	4747.42	4763.84	4769.94
Be 313.042	479.787	478.937	483.394
Ca 370.602	4804	4802	4787
Cd 226.502	471.658	472.325	472.153
Co 228.615	486.154	486.659	484.423
Cr 267.716	4777.55	4795.40	4787.74
Cu 324.754	5072.97	5016.12	5091.48
Fe 271.441	4769.03	4794.15	4780.67
K 766.491	10008.8	10006.6	10039.4
Mg 279.078	4814.45	4820.64	4813.47
Mn 257.610	4894.90	4901.60	4891.53
Mo 202.032	479.248	481.396	482.139
Na 330.237	7674.95	7526.26	7400.24
Ni 231.604	2410.86	2414.36	2412.57
Pb 220.353	480.680	485.202	479.516
Sb 206.834	908.590	911.599	916.233
Se 196.026	4674.49	4723.90	4713.51
Sn 189.925	4799.47	4793.07	4782.79
Sr 216.596	2331.50	2338.30	2339.41
Ti 334.941	481.457	483.146	483.668
Tl 190.794	4867.80	4871.70	4857.60
V 292.401	4792.66	4805.69	4801.66
Zn 206.200	2342.93	2328.03	2332.95

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	486.780	ppb	1.4755	0.3	37598.2
Al 308.215	4800.10	ppb	26.2535	0.5	32658.3
As 188.980	450.834	ppb	7.7522	1.7	239.357
B 249.678	484.789	ppb	2.9615	0.6	7368.15
Ba 389.178	4760.40	ppb	11.6489	0.2	96516.5
Be 313.042	480.706	ppb	2.3664	0.5	782431
Ca 370.602	4798	ppb	8.973	0.2	11359
Cd 226.502	472.045	ppb	0.3461	0.1	17696.3
Co 228.615	485.745	ppb	1.1724	0.2	5067.40
Cr 267.716	4786.90	ppb	8.9549	0.2	237540
Cu 324.754	5060.19	ppb	39.2707	0.8	355107
Fe 271.441	4781.28	ppb	12.5719	0.3	6835.69
K 766.491	10018.3	ppb	18.3511	0.2	428888
Mg 279.078	4816.19	ppb	3.8922	0.1	11628.5
Mn 257.610	4896.01	ppb	5.1298	0.1	1012544
Mo 202.032	480.928	ppb	1.5011	0.3	2977.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	7533.81	ppb	137.509	1.8	322.879
Ni 231.604	2412.60	ppb	1.7501	0.1	6677.82
Pb 220.353	481.800	ppb	3.0037	0.6	690.566
Sb 206.834	912.141	ppb	3.8503	0.4	1247.37
Se 196.026	4703.96	ppb	26.0483	0.6	1814.80
Sn 189.925	4791.78	ppb	8.4150	0.2	3145.15
Sr 216.596	2336.41	ppb	4.2825	0.2	25471.9
Ti 334.941	482.757	ppb	1.1554	0.2	133903
Tl 190.794	4865.70	ppb	7.2822	0.1	4759.00
V 292.401	4800.00	ppb	6.6716	0.1	124129
Zn 206.200	2334.64	ppb	7.5913	0.3	2095.02

CCB (Samp) **10/15/2014, 11:49:31 PM** **Rack 4, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.0250u	-0.2421u	0.2271
Al 308.215	10.3880	10.4125	8.6587
As 188.980	2.6437	1.1913	3.6959
B 249.678	9.5433	8.6393	7.7060
Ba 389.178	0.4201	0.8919	0.5898
Be 313.042	0.0770	0.0780	0.0841
Ca 370.602	3.471	6.807	7.571
Cd 226.502	0.1153	0.0549	-0.1498u
Co 228.615	0.3584	-0.0095u	-0.3289u
Cr 267.716	0.6483	0.5748	0.9513
Cu 324.754	1.1466	1.2101	1.2402
Fe 271.441	1.3940	9.2216	-2.0588u
K 766.491	-0.1147u	-0.3543u	-1.5411u
Mg 279.078	0.3903	1.4730	-0.9340u
Mn 257.610	0.8555	0.9896	0.9564
Mo 202.032	0.7997	1.0129	0.4031
Na 330.237	-100.244u	-173.471u	-40.8584u
Ni 231.604	0.3856	1.6258	1.3142
Pb 220.353	1.9058	1.5707	0.7449
Sb 206.834	4.6325	3.0810	3.2565
Se 196.026	5.5406	2.3922	10.0844
Sn 189.925	3.5338	2.2002	1.3613
Sr 216.596	0.0818	0.4058	0.3504
Ti 334.941	0.1686	0.1938	0.1879
Tl 190.794	6.6547	4.3974	1.5670
V 292.401	0.9357	0.9399	0.7712
Zn 206.200	1.5904	0.2270	0.9473

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0133	ppb	0.2348	1762.6	-11.4950
Al 308.215	9.8197	ppb	1.0055	10.2	459.476
As 188.980	2.5103	ppb	1.2576	50.1	-1.0653
B 249.678	8.6295	ppb	0.9187	10.6	165.992
Ba 389.178	0.6339	ppb	0.2390	37.7	-37.9196
Be 313.042	0.0797	ppb	0.0038	4.8	-187.312
Ca 370.602	5.950	ppb	2.181	36.7	24.93
Cd 226.502	0.0068	ppb	0.1389	2042.7	13.4742
Co 228.615	0.0067	ppb	0.3439	5165.6	3.2057

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.7248	ppb	0.1995	27.5	67.0945
Cu 324.754	1.1990	ppb	0.0478	4.0	334.003
Fe 271.441	2.8523	ppb	5.7798	202.6	10.8603
K 766.491	-0.6700	ppb	0.7638	114.0	296.420
Mg 279.078	0.3097	ppb	1.2055	389.2	19.6637
Mn 257.610	0.9338	ppb	0.0699	7.5	233.820
Mo 202.032	0.7386	ppb	0.3094	41.9	10.8450
Na 330.237	-104.858	ppb	66.4268	63.3	17.0263
Ni 231.604	1.1085	ppb	0.6452	58.2	-1.7057
Pb 220.353	1.4072	ppb	0.5975	42.5	2.4415
Sb 206.834	3.6567	ppb	0.8496	23.2	5.9392
Se 196.026	6.0057	ppb	3.8671	64.4	5.0526
Sn 189.925	2.3651	ppb	1.0956	46.3	-3.8178
Sr 216.596	0.2794	ppb	0.1733	62.0	5.4116
Ti 334.941	0.1834	ppb	0.0132	7.2	-10.9693
Tl 190.794	4.2063	ppb	2.5492	60.6	-1.8509
V 292.401	0.8822	ppb	0.0962	10.9	15.6237
Zn 206.200	0.9216	ppb	0.6821	74.0	2.0361

Cont Calib Verif (CCV) **10/16/2014, 9:56:09 AM** **Rack 4, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	478.308	479.748	476.281
Al 308.215	4810.80	4767.64	4754.22
As 188.980	456.591	462.222	454.962
B 249.678	473.589	476.513	476.604
Ba 389.178	4744.41	4753.38	4751.63
Be 313.042	475.203	478.415	475.256
Ca 370.602	4461	4475	4454
Cd 226.502	480.541	482.972	481.402
Co 228.615	478.213	478.373	476.928
Cr 267.716	4782.02	4793.03	4781.72
Cu 324.754	4955.58	4898.39	4836.37
Fe 271.441	4743.08	4749.75	4753.07
K 766.491	9850.02	9826.21	9809.33
Mg 279.078	4778.03	4771.67	4758.77
Mn 257.610	4824.03	4835.21	4822.85
Mo 202.032	469.302	469.344	467.969
Na 330.237	7727.36	7584.35	7635.81
Ni 231.604	2407.35	2414.61	2408.79
Pb 220.353	478.367	477.031	478.210
Sb 206.834	900.823	902.601	903.570
Se 196.026	4850.62	4880.12	4848.56
Sn 189.925	4760.14	4779.26	4757.60
Sr 216.596	2374.88	2383.21	2377.68
Ti 334.941	461.370	461.388	461.141
Tl 190.794	4720.93	4725.14	4721.11
V 292.401	4725.57	4717.84	4714.23
Zn 206.200	2388.87	2391.41	2391.66

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	478.112	ppb	1.7418	0.4	36923.1	95.62249
Al 308.215	4777.55	ppb	29.5648	0.6	32507.2	95.55107

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	457.925	ppb	3.8091	0.8	243.162	91.58504
B 249.678	475.568	ppb	1.7152	0.4	7228.84	95.11369
Ba 389.178	4749.80	ppb	4.7543	0.1	96301.5	94.99606
Be 313.042	476.291	ppb	1.8393	0.4	775243	95.25828
Ca 370.602	4463	ppb	10.70	0.2	10586	89.26880Q
Cd 226.502	481.638	ppb	1.2330	0.3	18055.4	96.32768
Co 228.615	477.838	ppb	0.7922	0.2	4985.26	95.56754
Cr 267.716	4785.59	ppb	6.4429	0.1	237476	95.71177
Cu 324.754	4896.78	ppb	59.6220	1.2	343646	97.93565
Fe 271.441	4748.63	ppb	5.0866	0.1	6790.04	94.97269
K 766.491	9828.52	ppb	20.4432	0.2	420771	98.28522
Mg 279.078	4769.49	ppb	9.8153	0.2	11514.1	95.38975
Mn 257.610	4827.37	ppb	6.8229	0.1	998349	96.54733
Mo 202.032	468.872	ppb	0.7821	0.2	2902.89	93.77431
Na 330.237	7649.17	ppb	72.4331	0.9	326.562	101.98897
Ni 231.604	2410.25	ppb	3.8418	0.2	6671.31	96.40990
Pb 220.353	477.870	ppb	0.7302	0.2	685.076	95.57392
Sb 206.834	902.331	ppb	1.3933	0.2	1235.97	90.23312
Se 196.026	4859.76	ppb	17.6550	0.4	1874.80	97.19528
Sn 189.925	4765.67	ppb	11.8363	0.2	3127.98	95.31335
Sr 216.596	2378.59	ppb	4.2366	0.2	25932.0	95.14363
Ti 334.941	461.300	ppb	0.1377	0.0	127948	92.25996
Tl 190.794	4722.39	ppb	2.3792	0.1	4618.92	94.44786
V 292.401	4719.22	ppb	5.7936	0.1	122030	94.38432
Zn 206.200	2390.65	ppb	1.5459	0.1	2145.20	95.62598

Cont Calib Blank (CCB) **10/16/2014, 10:00:28 AM** **Rack 4, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0666	-0.0956u	0.1937
Al 308.215	1.9095	2.1655	3.3470
As 188.980	7.8025	6.2072	4.5131
B 249.678	8.4938	7.4368	6.6759
Ba 389.178	0.7724	0.9905	0.9186
Be 313.042	0.0504	0.0458	0.0463
Ca 370.602	1.545	3.666	7.197
Cd 226.502	0.0132	0.0728	-0.0242u
Co 228.615	0.0990	0.2095	-0.2098u
Cr 267.716	0.5588	0.5919	0.6023
Cu 324.754	0.9802	0.6584	0.7572
Fe 271.441	1.3025	-0.6180u	-1.0486u
K 766.491	1.7354	1.2724	1.2863
Mg 279.078	-1.1709u	0.1096	-2.8522u
Mn 257.610	0.7054	0.6615	0.6302
Mo 202.032	0.6205	0.8344	0.8146
Na 330.237	-85.4240u	-1.1430u	-54.0216u
Ni 231.604	0.6081	1.2877	1.3263
Pb 220.353	-0.8370u	1.0902	-0.7082u
Sb 206.834	6.0266	2.9345	0.1524
Se 196.026	3.7792	7.6068	3.3318
Sn 189.925	5.4170	-0.7005u	2.9145
Sr 216.596	0.5520	0.2313	0.4917
Ti 334.941	0.0747	0.1404	0.0909

Label	Replicates Concentration		
Tl 190.794	5.0676	4.3582	2.5655
V 292.401	0.5347	0.5498	0.4664
Zn 206.200	0.4986	1.0073	-1.3861u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0549	ppb	0.1450	264.2	-6.2274	0.05489
Al 308.215	2.4740	ppb	0.7668	31.0	410.825	2.47401
As 188.980	6.1743	ppb	1.6450	26.6	0.9003	6.17425
B 249.678	7.5355	ppb	0.9130	12.1	149.454	7.53550
Ba 389.178	0.8938	ppb	0.1112	12.4	-32.6533	0.89382
Be 313.042	0.0475	ppb	0.0026	5.4	-239.806	0.04749
Ca 370.602	4.136	ppb	2.855	69.0	20.75	4.13594
Cd 226.502	0.0206	ppb	0.0489	237.3	13.9757	0.02062
Co 228.615	0.0329	ppb	0.2173	661.2	3.4776	0.03287
Cr 267.716	0.5843	ppb	0.0227	3.9	60.1249	0.58433
Cu 324.754	0.7986	ppb	0.1649	20.6	305.924	0.79859
Fe 271.441	-0.1214	ppb	1.2518	1031.3	6.6606	-0.12138
K 766.491	1.4314	ppb	0.2634	18.4	386.314	1.43137
Mg 279.078	-1.3045	ppb	1.4854	113.9	15.7493	-1.30446
Mn 257.610	0.6657	ppb	0.0378	5.7	178.346	0.66570
Mo 202.032	0.7565	ppb	0.1182	15.6	10.9564	0.75648
Na 330.237	-46.8629	ppb	42.5941	90.9	19.7798	-46.86286
Ni 231.604	1.0741	ppb	0.4040	37.6	-1.8014	1.07406
Pb 220.353	-0.1516	ppb	1.0774	710.6	0.2191	-0.15163
Sb 206.834	3.0378	ppb	2.9384	96.7	5.1233	3.03784
Se 196.026	4.9059	ppb	2.3497	47.9	4.6290	4.90592
Sn 189.925	2.5437	ppb	3.0755	120.9	-3.7004	2.54365
Sr 216.596	0.4250	ppb	0.1704	40.1	6.9973	0.42497
Ti 334.941	0.1020	ppb	0.0342	33.6	-33.5718	0.10201
Tl 190.794	3.9971	ppb	1.2896	32.3	-2.0556	3.99714
V 292.401	0.5170	ppb	0.0444	8.6	6.1646	0.51695
Zn 206.200	0.0399	ppb	1.2609	3160.5	1.2411	0.03990

680-106194-b-2-a (Samp) **10/16/2014, 10:04:47 AM** **Rack 4, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	1.1411	0.7837	1.2115
Al 308.215	6299.96	6180.17	6018.73
As 188.980	83.1006	81.7191	83.1139
B 249.678	24.1138u	24.1685u	23.4181u
Ba 389.178	528.174	518.920	505.196
Be 313.042	0.9305	0.9102	0.8795
Ca 370.602	35016	34396	33505
Cd 226.502	19.5985	18.8792	17.7455
Co 228.615	24.7163	24.2972	24.0297
Cr 267.716	333.472	328.625	319.476
Cu 324.754	2322.19	2264.32	2209.94
Fe 271.441	204472	201075	195583
K 766.491	424.255	414.254	403.771
Mg 279.078	5583.08	5501.20	5349.02
Mn 257.610	1736.03	1706.73	1661.98
Mo 202.032	101.666	100.325	97.8061
Na 330.237	407.580u	578.808u	705.816u

Label	Replicates Concentration		
Ni 231.604	194.571	191.257	184.515
Pb 220.353	792.963	783.749	760.356
Sb 206.834	5.9091	5.1957	3.3925
Se 196.026	1.6219	4.9122	8.1734
Sn 189.925	81.0614	76.8332	78.6707
Sr 216.596	130.104	127.340	123.386
Ti 334.941	210.863	207.206	202.226
Tl 190.794	-2.0804u	-4.5060u	-5.6726u
V 292.401	33.6356	33.0301	31.9960
Zn 206.200	1440.45	1413.55	1388.59

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0454	ppb	0.2294	21.9	42.7419
Al 308.215	6166.29	ppb	141.126	2.3	41545.3
As 188.980	82.6445	ppb	0.8015	1.0	40.8857
B 249.678	23.9001	ppb	0.4183	1.8	-27.8461
Ba 389.178	517.430	ppb	11.5612	2.2	10551.9
Be 313.042	0.9067	ppb	0.0257	2.8	1152.53
Ca 370.602	34306	ppb	759.3	2.2	77450
Cd 226.502	18.7411	ppb	0.9342	5.0	1438.04
Co 228.615	24.3477	ppb	0.3461	1.4	271.436
Cr 267.716	327.191	ppb	7.1075	2.2	16363.4
Cu 324.754	2265.48	ppb	56.1299	2.5	159230
Fe 271.441	200377	ppb	4485.04	2.2	282192
K 766.491	414.093	ppb	10.2433	2.5	18039.2
Mg 279.078	5477.77	ppb	118.779	2.2	13293.3
Mn 257.610	1701.58	ppb	37.2928	2.2	352531
Mo 202.032	99.9324	ppb	1.9598	2.0	616.023
Na 330.237	564.068	ppb	149.663	26.5	-34.3301
Ni 231.604	190.114	ppb	5.1244	2.7	537.273
Pb 220.353	779.022	ppb	16.8094	2.2	1099.32
Sb 206.834	4.8324	ppb	1.2970	26.8	15.4508
Se 196.026	4.9025	ppb	3.2758	66.8	6.4938
Sn 189.925	78.8551	ppb	2.1202	2.7	46.4729
Sr 216.596	126.943	ppb	3.3768	2.7	1613.53
Ti 334.941	206.765	ppb	4.3354	2.1	57343.9
Tl 190.794	-4.0863	ppb	1.8325	44.8	-33.6982
V 292.401	32.8872	ppb	0.8291	2.5	890.771
Zn 206.200	1414.20	ppb	25.9396	1.8	1268.46

680-106194-b-2-a (Samp) **10/16/2014, 10:09:06 AM** **Rack 4, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2837	0.4262	0.4572
Al 308.215	1062.15	1038.26	1020.09
As 188.980	16.3511	16.2692	18.1869
B 249.678	4.9689	4.9308	4.9870
Ba 389.178	93.7264	91.5925	89.1946
Be 313.042	0.1425	0.1387	0.1271
Ca 370.602	6082	5987	5860
Cd 226.502	3.4325	3.1099	3.2152
Co 228.615	4.2663	4.4374	4.0348
Cr 267.716	57.9474	56.6396	55.6749

Label	Replicates Concentration		
Cu 324.754	397.410	390.333	380.475
Fe 271.441	35565.3	34829.0	34133.1
K 766.491	71.0881	70.2663	68.3834
Mg 279.078	992.852	964.945	944.752
Mn 257.610	304.971	299.079	292.967
Mo 202.032	17.6119	18.1802	16.6163
Na 330.237	-63.2257u	-87.3064u	-38.3542u
Ni 231.604	34.7592	33.7024	32.8319
Pb 220.353	143.885	139.060	137.424
Sb 206.834	0.7113	1.6172	0.1219
Se 196.026	-0.2479	6.8247	-6.4066u
Sn 189.925	15.3004	17.1556	16.0026
Sr 216.596	22.2544	22.3722	21.5363
Ti 334.941	36.4805	35.6816	34.9851
Tl 190.794	-1.4841u	3.8691u	-1.1216u
V 292.401	5.9307	5.9000	5.6230
Zn 206.200	251.951	247.110	244.569

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3890	ppb	0.0925	23.8	14.8310
Al 308.215	1040.17	ppb	21.0950	2.0	7337.74
As 188.980	16.9357	ppb	1.0843	6.4	6.4928
B 249.678	4.9623	ppb	0.0287	0.6	36.6724
Ba 389.178	91.5045	ppb	2.2672	2.5	1823.94
Be 313.042	0.1361	ppb	0.0080	5.9	-96.5623
Ca 370.602	5976	ppb	111.3	1.9	13502
Cd 226.502	3.2525	ppb	0.1645	5.1	260.695
Co 228.615	4.2462	ppb	0.2020	4.8	49.9261
Cr 267.716	56.7540	ppb	1.1405	2.0	2864.15
Cu 324.754	389.406	ppb	8.5057	2.2	27576.6
Fe 271.441	34842.4	ppb	716.216	2.1	49074.6
K 766.491	69.9126	ppb	1.3866	2.0	3315.82
Mg 279.078	967.516	ppb	24.1531	2.5	2363.58
Mn 257.610	299.006	ppb	6.0023	2.0	61980.0
Mo 202.032	17.4695	ppb	0.7916	4.5	112.876
Na 330.237	-62.9621	ppb	24.4772	38.9	4.4942
Ni 231.604	33.7645	ppb	0.9651	2.9	91.4336
Pb 220.353	140.123	ppb	3.3589	2.4	198.166
Sb 206.834	0.8168	ppb	0.7532	92.2	3.5842
Se 196.026	0.0567	ppb	6.6209	11668.9	3.0869
Sn 189.925	16.1529	ppb	0.9367	5.8	5.2474
Sr 216.596	22.0543	ppb	0.4524	2.1	282.337
Ti 334.941	35.7157	ppb	0.7483	2.1	9854.23
Tl 190.794	0.4211	ppb	2.9915	710.3	-9.6754
V 292.401	5.8179	ppb	0.1695	2.9	151.611
Zn 206.200	247.877	ppb	3.7502	1.5	223.340

680-106194-b-2-a (Samp) **10/16/2014, 10:13:25 AM** **Rack 4, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	99.3215	96.5243	93.2642
Al 308.215	7048.78	6849.21	6625.70
As 188.980	189.278	189.655	184.461

Label	Replicates Concentration		
B 249.678	222.594	218.418	213.346
Ba 389.178	586.563	572.296	554.678
Be 313.042	105.750	103.129	99.8001
Ca 370.602	42882	41785	40350
Cd 226.502	121.166	118.170	113.571
Co 228.615	126.369	123.302	119.080
Cr 267.716	417.589	406.117	393.533
Cu 324.754	2297.47	2236.18	2162.56
Fe 271.441	202292	197097	191035
K 766.491	11703.4	11399.3	11021.6
Mg 279.078	15472.0	15032.1	14565.4
Mn 257.610	2712.55	2640.24	2556.93
Mo 202.032	198.945	194.548	188.058
Na 330.237	9900.34	9726.53	9373.11
Ni 231.604	286.321	276.776	267.863
Pb 220.353	854.545	829.749	802.695
Sb 206.834	108.913	102.608	99.6023
Se 196.026	111.802	110.028	101.144
Sn 189.925	177.266	176.226	164.949
Sr 216.596	225.101	219.372	212.189
Ti 334.941	298.932	291.033	281.371
Tl 190.794	14.2166u	16.6525u	16.9474u
V 292.401	136.367	132.754	128.253
Zn 206.200	1455.73	1417.89	1380.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	96.3700	ppb	3.0316	3.1	7417.37
Al 308.215	6841.23	ppb	211.654	3.1	46019.9
As 188.980	187.798	ppb	2.8963	1.5	97.3022
B 249.678	218.119	ppb	4.6317	2.1	2918.00
Ba 389.178	571.179	ppb	15.9718	2.8	11652.9
Be 313.042	102.893	ppb	2.9818	2.9	167177
Ca 370.602	41672	ppb	1270	3.0	94565
Cd 226.502	117.636	ppb	3.8260	3.3	5125.95
Co 228.615	122.917	ppb	3.6594	3.0	1297.36
Cr 267.716	405.747	ppb	12.0325	3.0	20262.5
Cu 324.754	2232.07	ppb	67.5486	3.0	156887
Fe 271.441	196808	ppb	5633.95	2.9	277178
K 766.491	11374.8	ppb	341.605	3.0	486917
Mg 279.078	15023.2	ppb	453.403	3.0	36466.3
Mn 257.610	2636.58	ppb	77.8716	3.0	545939
Mo 202.032	193.850	ppb	5.4765	2.8	1197.28
Na 330.237	9666.66	ppb	268.665	2.8	401.404
Ni 231.604	276.987	ppb	9.2309	3.3	777.421
Pb 220.353	828.996	ppb	25.9332	3.1	1170.84
Sb 206.834	103.708	ppb	4.7515	4.6	145.090
Se 196.026	107.658	ppb	5.7108	5.3	46.2094
Sn 189.925	172.814	ppb	6.8306	4.0	108.252
Sr 216.596	218.887	ppb	6.4701	3.0	2613.48
Ti 334.941	290.445	ppb	8.7951	3.0	80578.6
Tl 190.794	15.9388	ppb	1.4987	9.4	-13.1183
V 292.401	132.458	ppb	4.0651	3.1	3452.99
Zn 206.200	1417.89	ppb	37.8397	2.7	1271.73

680-106194-b-2-b ms (Samp) **10/16/2014, 10:17:44 AM** **Rack 4, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	6.7229	6.9496	6.6396
Al 308.215	7993.43	7658.13	7382.87
As 188.980	41.1067	39.6609	38.2380
B 249.678	45.5928	45.0933	45.0906
Ba 389.178	254.184	243.596	234.395
Be 313.042	6.0613	5.7980	5.6185
Ca 370.602	86004	82233	79631
Cd 226.502	12.5197	11.3590	10.4238
Co 228.615	22.0210	20.9557	20.2406
Cr 267.716	367.850	351.707	340.485
Cu 324.754	2948.24	2789.88	2726.80
Fe 271.441	169180	162282	157068
K 766.491	1112.47	1064.24	1027.17
Mg 279.078	4281.54	4119.86	3969.60
Mn 257.610	1966.51	1882.17	1821.62
Mo 202.032	135.470	129.932	126.104
Na 330.237	1109.24u	1054.21u	916.158u
Ni 231.604	185.730	180.795	170.172
Pb 220.353	759.065	725.038	700.457
Sb 206.834	10.1920	5.8891	9.4978
Se 196.026	13.1549	12.3295	20.2495
Sn 189.925	217.509	205.432	199.737
Sr 216.596	144.837	139.258	132.512
Ti 334.941	196.756	188.509	182.238
Tl 190.794	-1.9534u	0.9777u	0.2507u
V 292.401	42.8587	41.7429	40.0794
Zn 206.200	1300.23	1251.60	1203.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.7707	ppb	0.1604	2.4	491.902
Al 308.215	7678.14	ppb	305.772	4.0	51488.9
As 188.980	39.6685	ppb	1.4344	3.6	18.0361
B 249.678	45.2589	ppb	0.2892	0.6	374.938
Ba 389.178	244.059	ppb	9.9025	4.1	4987.02
Be 313.042	5.8259	ppb	0.2227	3.8	9174.08
Ca 370.602	82622	ppb	3204	3.9	189511
Cd 226.502	11.4342	ppb	1.0500	9.2	1028.73
Co 228.615	21.0724	ppb	0.8959	4.3	233.839
Cr 267.716	353.347	ppb	13.7563	3.9	17645.5
Cu 324.754	2821.64	ppb	114.084	4.0	198222
Fe 271.441	162843	ppb	6075.60	3.7	229335
K 766.491	1067.96	ppb	42.7731	4.0	46010.5
Mg 279.078	4123.67	ppb	156.003	3.8	9999.52
Mn 257.610	1890.10	ppb	72.7689	3.8	391398
Mo 202.032	130.502	ppb	4.7091	3.6	806.812
Na 330.237	1026.54	ppb	99.4732	9.7	0.8116
Ni 231.604	178.899	ppb	7.9502	4.4	503.310
Pb 220.353	728.186	ppb	29.4305	4.0	1029.13
Sb 206.834	8.5263	ppb	2.3101	27.1	18.9969
Se 196.026	15.2446	ppb	4.3540	28.6	10.2236
Sn 189.925	207.559	ppb	9.0753	4.4	131.094
Sr 216.596	138.869	ppb	6.1718	4.4	1720.15

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	189.168	ppb	7.2812	3.8	52454.5
Tl 190.794	-0.2416	ppb	1.5263	631.7	-25.3748
V 292.401	41.5604	ppb	1.3986	3.4	1095.67
Zn 206.200	1251.93	ppb	48.1371	3.8	1123.46

680-106194-b-2-c msd (Samp) **10/16/2014, 10:22:03 AM** **Rack 4, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	5.8457	5.5366	6.1507
Al 308.215	5721.18	5585.53	5451.46
As 188.980	45.0501	44.0440	45.8781
B 249.678	35.6914	36.5233	36.5573
Ba 389.178	269.080	263.004	256.742
Be 313.042	5.6802	5.5359	5.4199
Ca 370.602	110089	106659	103886
Cd 226.502	10.9545	10.7063	10.1169
Co 228.615	29.7763	28.6709	28.5609
Cr 267.716	364.513	354.848	347.017
Cu 324.754	1976.49	1900.77	1878.45
Fe 271.441	193713	188751	184654
K 766.491	976.064	948.703	928.655
Mg 279.078	18368.8	17900.8	17501.5
Mn 257.610	1754.41	1707.78	1671.29
Mo 202.032	122.489	119.770	116.455
Na 330.237	815.346u	894.824u	958.787u
Ni 231.604	220.064	212.322	208.399
Pb 220.353	424.401	410.725	404.690
Sb 206.834	6.4249	7.0317	5.5159
Se 196.026	8.4656	13.8909	8.5763
Sn 189.925	86.3170	83.9514	80.2212
Sr 216.596	166.995	161.403	156.809
Ti 334.941	170.722	166.362	162.323
Tl 190.794	-2.7166u	-0.2574u	-0.6473u
V 292.401	66.9206	64.9319	63.5574
Zn 206.200	1049.37	1017.81	1000.44

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.8444	ppb	0.3070	5.3	414.302
Al 308.215	5586.05	ppb	134.861	2.4	37690.6
As 188.980	44.9907	ppb	0.9185	2.0	20.7370
B 249.678	36.2574	ppb	0.4904	1.4	183.400
Ba 389.178	262.942	ppb	6.1695	2.3	5400.67
Be 313.042	5.5453	ppb	0.1304	2.4	8726.41
Ca 370.602	106878	ppb	3107	2.9	245312
Cd 226.502	10.5926	ppb	0.4302	4.1	1091.74
Co 228.615	29.0027	ppb	0.6722	2.3	317.986
Cr 267.716	355.460	ppb	8.7640	2.5	17760.8
Cu 324.754	1918.57	ppb	51.3847	2.7	134894
Fe 271.441	189039	ppb	4536.23	2.4	266227
K 766.491	951.141	ppb	23.7986	2.5	41013.1
Mg 279.078	17923.7	ppb	434.083	2.4	43530.8
Mn 257.610	1711.16	ppb	41.6601	2.4	354570
Mo 202.032	119.571	ppb	3.0216	2.5	738.019

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	889.652	ppb	71.8600	8.1	-6.1962
Ni 231.604	213.595	ppb	5.9358	2.8	601.420
Pb 220.353	413.272	ppb	10.0992	2.4	578.506
Sb 206.834	6.3241	ppb	0.7629	12.1	17.0550
Se 196.026	10.3110	ppb	3.1008	30.1	8.4898
Sn 189.925	83.4966	ppb	3.0732	3.7	49.5247
Sr 216.596	161.736	ppb	5.1010	3.2	2006.41
Ti 334.941	166.469	ppb	4.2009	2.5	46182.1
Tl 190.794	-1.2071	ppb	1.3217	109.5	-29.4831
V 292.401	65.1367	ppb	1.6909	2.6	1717.63
Zn 206.200	1022.54	ppb	24.8074	2.4	915.491

680-106194-b-3-a (Samp) **10/16/2014, 10:26:22 AM** **Rack 4, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	0.4506	0.7330	0.9180
Al 308.215	5496.45	5367.94	5225.84
As 188.980	38.1994	34.8473	28.1434
B 249.678	21.2867u	21.3569u	21.6379u
Ba 389.178	309.655	301.986	293.115
Be 313.042	0.6173	0.5995	0.5944
Ca 370.602	47655	46294	45198
Cd 226.502	6.3123	5.6879	4.9712
Co 228.615	19.8337	19.4530	18.3408
Cr 267.716	345.114	336.295	327.035
Cu 324.754	2981.60	2878.15	2827.20
Fe 271.441	257025	250104	244292
K 766.491	545.572	532.370	517.790
Mg 279.078	14804.0	14439.0	14069.2
Mn 257.610	2173.52	2113.45	2061.89
Mo 202.032	112.567	112.354	107.656
Na 330.237	351.098u	534.931u	371.244u
Ni 231.604	243.368	238.936	231.813
Pb 220.353	349.382	338.512	334.918
Sb 206.834	6.5937	5.2280	0.3287
Se 196.026	12.3637	1.0020	5.8679
Sn 189.925	51.4377	44.8926	43.2298
Sr 216.596	102.954	99.8174	97.7363
Ti 334.941	158.327	154.198	150.337
Tl 190.794	-7.6497u	-5.9925u	-0.9751u
V 292.401	32.6161	31.7735	31.1323
Zn 206.200	1001.60	976.864	952.448

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.7005	ppb	0.2353	33.6	10.7803
Al 308.215	5363.41	ppb	135.361	2.5	36316.9
As 188.980	33.7300	ppb	5.1202	15.2	14.3692
B 249.678	21.4272	ppb	0.1859	0.9	-170.855
Ba 389.178	301.586	ppb	8.2773	2.7	6210.81
Be 313.042	0.6038	ppb	0.0120	2.0	659.918
Ca 370.602	46382	ppb	1231	2.7	104865
Cd 226.502	5.6571	ppb	0.6711	11.9	1128.33
Co 228.615	19.2092	ppb	0.7757	4.0	219.756

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	336.148	ppb	9.0403	2.7	16831.9
Cu 324.754	2895.65	ppb	78.6722	2.7	203449
Fe 271.441	250473	ppb	6374.40	2.5	352741
K 766.491	531.911	ppb	13.8965	2.6	23079.3
Mg 279.078	14437.4	ppb	367.418	2.5	35053.3
Mn 257.610	2116.29	ppb	55.8716	2.6	438497
Mo 202.032	110.859	ppb	2.7760	2.5	681.494
Na 330.237	419.091	ppb	100.825	24.1	-42.0665
Ni 231.604	238.039	ppb	5.8293	2.4	673.883
Pb 220.353	340.938	ppb	7.5309	2.2	471.706
Sb 206.834	4.0501	ppb	3.2944	81.3	15.8408
Se 196.026	6.4112	ppb	5.7003	88.9	7.5366
Sn 189.925	46.5200	ppb	4.3392	9.3	25.2130
Sr 216.596	100.169	ppb	2.6268	2.6	1377.98
Ti 334.941	154.287	ppb	3.9956	2.6	42803.0
Tl 190.794	-4.8725	ppb	3.4754	71.3	-40.3741
V 292.401	31.8406	ppb	0.7442	2.3	878.874
Zn 206.200	976.972	ppb	24.5780	2.5	872.064

680-106200-b-31-a (Samp) **10/16/2014, 10:30:41 AM** **Rack 4, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	0.0600	-0.0301	-0.1367
Al 308.215	10894.3	10520.4	10300.4
As 188.980	35.4427	28.2469	27.3610
B 249.678	11.0360	10.8964	10.8408
Ba 389.178	464.601	449.772	440.404
Be 313.042	1.4942	1.4310	1.4048
Ca 370.602	7467	7173	7000
Cd 226.502	2.0179	2.0104	1.8547
Co 228.615	27.3972	25.6576	25.6429
Cr 267.716	29.9773	28.9001	28.2366
Cu 324.754	72.5368	70.5758	69.2940
Fe 271.441	27481.3	26506.6	26012.0
K 766.491	1037.86	1010.54	984.823
Mg 279.078	1140.85	1101.50	1085.84
Mn 257.610	3834.04	3703.00	3627.27
Mo 202.032	3.3088	4.2255	3.6630
Na 330.237	250.810u	262.905u	243.757u
Ni 231.604	19.3895	17.9992	18.4124
Pb 220.353	246.714	238.330	231.309
Sb 206.834	3.8672	6.7685	5.3163
Se 196.026	1.6413	10.3886	5.0397
Sn 189.925	17.1200	23.5924	18.4877
Sr 216.596	99.1035	95.3885	93.6196
Ti 334.941	183.337	176.773	173.114
Tl 190.794	-0.6146u	0.0529u	-0.4086u
V 292.401	45.0204	43.3755	42.2754
Zn 206.200	473.643	459.473	443.813

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0356	ppb	0.0985	276.8	-2.5794
Al 308.215	10571.7	ppb	300.249	2.8	70399.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	30.3502	ppb	4.4324	14.6	13.8166
B 249.678	10.9244	ppb	0.1006	0.9	144.271
Ba 389.178	451.592	ppb	12.2005	2.7	9123.04
Be 313.042	1.4433	ppb	0.0459	3.2	2035.58
Ca 370.602	7213	ppb	236.4	3.3	16566
Cd 226.502	1.9610	ppb	0.0922	4.7	182.766
Co 228.615	26.2326	ppb	1.0086	3.8	281.503
Cr 267.716	29.0380	ppb	0.8785	3.0	1500.66
Cu 324.754	70.8022	ppb	1.6332	2.3	5226.38
Fe 271.441	26666.6	ppb	747.612	2.8	37563.6
K 766.491	1011.07	ppb	26.5238	2.6	43577.0
Mg 279.078	1109.39	ppb	28.3422	2.6	2641.16
Mn 257.610	3721.44	ppb	104.614	2.8	769688
Mo 202.032	3.7325	ppb	0.4623	12.4	28.1820
Na 330.237	252.491	ppb	9.6844	3.8	15.9287
Ni 231.604	18.6004	ppb	0.7140	3.8	48.7482
Pb 220.353	238.784	ppb	7.7127	3.2	339.796
Sb 206.834	5.3173	ppb	1.4507	27.3	9.1989
Se 196.026	5.6899	ppb	4.4098	77.5	5.8590
Sn 189.925	19.7333	ppb	3.4113	17.3	7.6015
Sr 216.596	96.0372	ppb	2.7989	2.9	1082.74
Ti 334.941	177.741	ppb	5.1802	2.9	49263.4
Tl 190.794	-0.3234	ppb	0.3418	105.7	-7.6715
V 292.401	43.5571	ppb	1.3815	3.2	1132.20
Zn 206.200	458.976	ppb	14.9213	3.3	414.176

680-106200-b-31-b ms (Samp) **10/16/2014, 10:35:00 AM** **Rack 4, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	5.3422	5.0886	5.3880
Al 308.215	12204.8	12147.9	11953.0
As 188.980	48.6326	44.4522	45.9856
B 249.678	25.5732	24.8948	24.4669
Ba 389.178	349.764	344.205	336.853
Be 313.042	6.6899	6.5955	6.4621
Ca 370.602	8726	8643	8458
Cd 226.502	7.6068	7.4216	7.2479
Co 228.615	16.9125	16.8027	16.8591
Cr 267.716	46.3500	45.5406	44.3663
Cu 324.754	87.9748	87.7387	84.5839
Fe 271.441	33009.8	32605.5	31854.7
K 766.491	1641.95	1620.65	1584.72
Mg 279.078	1718.22	1699.50	1655.28
Mn 257.610	1776.66	1751.46	1712.66
Mo 202.032	12.5320	11.9776	11.5116
Na 330.237	679.928	642.284	596.130
Ni 231.604	29.0750	27.4518	27.7637
Pb 220.353	331.536	326.342	315.798
Sb 206.834	6.1638	3.0263	8.6752
Se 196.026	10.9463	13.8140	13.0505
Sn 189.925	49.4485	50.9431	51.8795
Sr 216.596	106.833	104.920	103.436
Ti 334.941	194.083	191.238	187.118

Label	Replicates Concentration		
Tl 190.794	3.4366	5.1238	6.8251
V 292.401	52.0115	51.1082	50.4662
Zn 206.200	548.481	551.957	529.892

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.2729	ppb	0.1612	3.1	397.378
Al 308.215	12101.9	ppb	132.060	1.1	80536.9
As 188.980	46.3568	ppb	2.1147	4.6	22.3839
B 249.678	24.9783	ppb	0.5578	2.2	344.508
Ba 389.178	343.607	ppb	6.4763	1.9	6936.68
Be 313.042	6.5825	ppb	0.1144	1.7	10402.2
Ca 370.602	8609	ppb	137.1	1.6	19698
Cd 226.502	7.4255	ppb	0.1795	2.4	408.191
Co 228.615	16.8581	ppb	0.0549	0.3	184.269
Cr 267.716	45.4189	ppb	0.9974	2.2	2307.07
Cu 324.754	86.7658	ppb	1.8932	2.2	6348.63
Fe 271.441	32490.0	ppb	586.151	1.8	45763.5
K 766.491	1615.77	ppb	28.9253	1.8	69445.0
Mg 279.078	1691.00	ppb	32.3221	1.9	4090.57
Mn 257.610	1746.93	ppb	32.2401	1.8	361397
Mo 202.032	12.0071	ppb	0.5109	4.3	79.1308
Na 330.237	639.448	ppb	41.9711	6.6	30.9311
Ni 231.604	28.0969	ppb	0.8614	3.1	75.5239
Pb 220.353	324.559	ppb	8.0191	2.5	461.361
Sb 206.834	5.9551	ppb	2.8302	47.5	10.2693
Se 196.026	12.6036	ppb	1.4852	11.8	8.1804
Sn 189.925	50.7570	ppb	1.2261	2.4	27.9992
Sr 216.596	105.063	ppb	1.7030	1.6	1187.80
Ti 334.941	190.813	ppb	3.5018	1.8	52892.2
Tl 190.794	5.1285	ppb	1.6942	33.0	-3.9966
V 292.401	51.1953	ppb	0.7763	1.5	1330.46
Zn 206.200	543.443	ppb	11.8640	2.2	490.114

680-106200-b-31-c ms (Samp) **10/16/2014, 10:39:18 AM** **Rack 4, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	4.8991	5.0002	4.7335
Al 308.215	13728.3	13392.9	12926.2
As 188.980	42.1665	42.2505	32.2701
B 249.678	30.2690	29.9812	29.4396
Ba 389.178	395.239	386.249	373.545
Be 313.042	6.8204	6.6545	6.4430
Ca 370.602	16795	16295	15850
Cd 226.502	6.9375	6.6131	6.2364
Co 228.615	13.3720	12.9446	12.5688
Cr 267.716	37.9014	36.7942	35.8119
Cu 324.754	74.3093	72.6322	71.0863
Fe 271.441	27731.1	27050.9	26114.7
K 766.491	1767.26	1727.95	1666.67
Mg 279.078	3245.21	3161.45	3068.32
Mn 257.610	1088.85	1061.03	1027.34
Mo 202.032	11.8794	11.7567	10.7080
Na 330.237	806.179	529.887	851.573

Label	Replicates Concentration		
Ni 231.604	24.4068	24.3396	23.8719
Pb 220.353	271.284	263.566	255.969
Sb 206.834	5.3105	7.3575	7.7064
Se 196.026	5.4250	9.5715	11.1266
Sn 189.925	43.9671	42.5162	41.6584
Sr 216.596	144.283	141.097	136.723
Ti 334.941	210.513	205.179	197.892
Tl 190.794	2.2315u	0.8438u	3.0312
V 292.401	46.4321	45.2814	43.7410
Zn 206.200	462.294	458.369	446.637

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.8776	ppb	0.1346	2.8	363.220
Al 308.215	13349.2	ppb	402.836	3.0	88780.4
As 188.980	38.8957	ppb	5.7381	14.8	18.4213
B 249.678	29.8966	ppb	0.4211	1.4	430.595
Ba 389.178	385.011	ppb	10.8999	2.8	7775.48
Be 313.042	6.6393	ppb	0.1892	2.8	10497.3
Ca 370.602	16313	ppb	472.9	2.9	37553
Cd 226.502	6.5957	ppb	0.3509	5.3	357.227
Co 228.615	12.9618	ppb	0.4018	3.1	143.611
Cr 267.716	36.8359	ppb	1.0454	2.8	1875.73
Cu 324.754	72.6759	ppb	1.6120	2.2	5358.17
Fe 271.441	26965.6	ppb	811.612	3.0	37983.1
K 766.491	1720.63	ppb	50.6908	2.9	73930.4
Mg 279.078	3158.33	ppb	88.4886	2.8	7667.83
Mn 257.610	1059.07	ppb	30.8031	2.9	219149
Mo 202.032	11.4480	ppb	0.6439	5.6	75.9151
Na 330.237	729.213	ppb	174.107	23.9	38.6856
Ni 231.604	24.2061	ppb	0.2913	1.2	64.3284
Pb 220.353	263.607	ppb	7.6575	2.9	374.627
Sb 206.834	6.7915	ppb	1.2944	19.1	11.1169
Se 196.026	8.7077	ppb	2.9473	33.8	6.5047
Sn 189.925	42.7139	ppb	1.1670	2.7	22.7110
Sr 216.596	140.701	ppb	3.7953	2.7	1574.10
Ti 334.941	204.528	ppb	6.3358	3.1	56699.8
Tl 190.794	2.0355	ppb	1.1068	54.4	-6.6830
V 292.401	45.1515	ppb	1.3502	3.0	1172.47
Zn 206.200	455.767	ppb	8.1465	1.8	411.250

680-106200-b-53-a (Samp) **10/16/2014, 10:43:37 AM** **Rack 4, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-0.0705	-0.2309	-0.0784
Al 308.215	12186.0	11960.4	11334.8
As 188.980	29.2099	26.1431	25.5559
B 249.678	4.8757u	4.6320u	4.9650u
Ba 389.178	283.637	274.430	259.853
Be 313.042	1.2353	1.1972	1.1463
Ca 370.602	20352	19735	18767
Cd 226.502	1.6117	1.6223	1.2289
Co 228.615	13.9018	14.3967	13.8206
Cr 267.716	35.2151	34.2495	32.9850

Label	Replicates Concentration		
Cu 324.754	79.9231	77.5670	74.3832
Fe 271.441	36920.9	35808.0	34081.6
K 766.491	3068.98	3003.91	2846.34
Mg 279.078	3042.58	2955.38	2834.86
Mn 257.610	6134.32	5967.37	5662.51
Mo 202.032	3.3393	2.7822	2.4603
Na 330.237	402.157u	381.993u	233.751u
Ni 231.604	24.1914	22.1055	21.5789
Pb 220.353	303.767	302.404	284.066
Sb 206.834	1.5800	0.8467	0.9413
Se 196.026	4.4021	-0.8432	8.4489
Sn 189.925	13.0015	11.5015	9.4181
Sr 216.596	52.7925	51.4375	49.3081
Ti 334.941	170.045	165.069	156.728
Tl 190.794	2.7339	2.0862	3.9911
V 292.401	40.3238	38.8444	37.3439
Zn 206.200	549.520	530.576	502.288

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1266	ppb	0.0904	71.4	0.7202
Al 308.215	11827.1	ppb	441.019	3.7	78721.7
As 188.980	26.9696	ppb	1.9623	7.3	11.9663
B 249.678	4.8242	ppb	0.1724	3.6	33.1115
Ba 389.178	272.640	ppb	11.9927	4.4	5500.43
Be 313.042	1.1930	ppb	0.0447	3.7	1631.12
Ca 370.602	19618	ppb	798.6	4.1	45194
Cd 226.502	1.4876	ppb	0.2241	15.1	197.211
Co 228.615	14.0397	ppb	0.3118	2.2	154.811
Cr 267.716	34.1499	ppb	1.1184	3.3	1768.16
Cu 324.754	77.2911	ppb	2.7802	3.6	5685.22
Fe 271.441	35603.5	ppb	1430.64	4.0	50147.6
K 766.491	2973.08	ppb	114.474	3.9	127508
Mg 279.078	2944.27	ppb	104.305	3.5	7057.82
Mn 257.610	5921.40	ppb	239.243	4.0	1224661
Mo 202.032	2.8606	ppb	0.4447	15.5	22.4075
Na 330.237	339.300	ppb	91.9624	27.1	16.3384
Ni 231.604	22.6253	ppb	1.3816	6.1	60.6125
Pb 220.353	296.746	ppb	11.0019	3.7	422.312
Sb 206.834	1.1227	ppb	0.3989	35.5	4.0113
Se 196.026	4.0026	ppb	4.6589	116.4	5.7026
Sn 189.925	11.3070	ppb	1.7996	15.9	2.0614
Sr 216.596	51.1794	ppb	1.7565	3.4	606.648
Ti 334.941	163.947	ppb	6.7294	4.1	45440.0
Tl 190.794	2.9371	ppb	0.9685	33.0	-4.5974
V 292.401	38.8374	ppb	1.4900	3.8	1012.84
Zn 206.200	527.461	ppb	23.7700	4.5	475.605

Cont Calib Verif (CCV) **10/16/2014, 10:47:57 AM** **Rack 4, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	480.759	482.224	480.369
Al 308.215	4722.36	4766.81	4786.24
As 188.980	448.555	445.693	453.789

Label	Replicates Concentration		
B 249.678	473.929	475.882	481.101
Ba 389.178	4748.12	4738.81	4743.67
Be 313.042	484.883	481.819	485.639
Ca 370.602	4586	4589	4599
Cd 226.502	479.432	481.234	484.098
Co 228.615	482.208	481.343	483.141
Cr 267.716	4785.35	4770.36	4794.43
Cu 324.754	4979.63	4929.09	4958.57
Fe 271.441	4775.13	4766.41	4792.46
K 766.491	9904.91	9870.28	9898.18
Mg 279.078	4748.81	4756.42	4792.45
Mn 257.610	4854.79	4856.71	4884.74
Mo 202.032	475.460	477.157	482.929
Na 330.237	7620.22	7515.22	7498.85
Ni 231.604	2413.27	2425.32	2439.30
Pb 220.353	483.293	481.591	482.925
Sb 206.834	896.982	907.741	906.228
Se 196.026	4800.83	4828.42	4833.45
Sn 189.925	4753.05	4773.42	4835.83
Sr 216.596	2389.19	2396.59	2407.39
Ti 334.941	468.678	467.041	468.964
Tl 190.794	4784.56	4805.01	4828.86
V 292.401	4757.56	4747.85	4765.96
Zn 206.200	2385.91	2395.23	2408.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	481.117	ppb	0.9778	0.2	37157.0	96.22346
Al 308.215	4758.47	ppb	32.7437	0.7	32381.8	95.16940
As 188.980	449.346	ppb	4.1055	0.9	238.559	89.86913Q
B 249.678	476.971	ppb	3.7081	0.8	7249.89	95.39412
Ba 389.178	4743.54	ppb	4.6558	0.1	96174.4	94.87071
Be 313.042	484.114	ppb	2.0227	0.4	787978	96.82272
Ca 370.602	4591	ppb	7.122	0.2	10882	91.82449
Cd 226.502	481.588	ppb	2.3527	0.5	18053.6	96.31760
Co 228.615	482.231	ppb	0.8994	0.2	5030.91	96.44620
Cr 267.716	4783.38	ppb	12.1552	0.3	237366	95.66763
Cu 324.754	4955.76	ppb	25.3837	0.5	347783	99.11523
Fe 271.441	4778.00	ppb	13.2630	0.3	6831.55	95.56003
K 766.491	9891.13	ppb	18.3619	0.2	423449	98.91125
Mg 279.078	4765.89	ppb	23.3119	0.5	11505.4	95.31781
Mn 257.610	4865.42	ppb	16.7660	0.3	1006217	97.30833
Mo 202.032	478.515	ppb	3.9155	0.8	2962.56	95.70303
Na 330.237	7544.76	ppb	65.8568	0.9	321.236	100.59682
Ni 231.604	2425.96	ppb	13.0238	0.5	6714.84	97.03850
Pb 220.353	482.603	ppb	0.8955	0.2	691.796	96.52068
Sb 206.834	903.650	ppb	5.8240	0.6	1237.30	90.36503
Se 196.026	4820.90	ppb	17.5618	0.4	1859.83	96.41794
Sn 189.925	4787.43	ppb	43.1333	0.9	3142.29	95.74861
Sr 216.596	2397.72	ppb	9.1492	0.4	26140.8	95.90896
Ti 334.941	468.228	ppb	1.0379	0.2	129871	93.64556
Tl 190.794	4806.14	ppb	22.1736	0.5	4700.80	96.12285
V 292.401	4757.12	ppb	9.0663	0.2	123013	95.14249
Zn 206.200	2396.50	ppb	11.2874	0.5	2150.57	95.86013

Cont Calib Blank (CCB) **10/16/2014, 10:52:16 AM** **Rack 4, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2113u	0.1803	0.0987
Al 308.215	4.5297	3.5411	3.2863
As 188.980	8.4158	4.5941	5.7455
B 249.678	7.9614	7.3317	6.2508
Ba 389.178	0.5965	0.5775	0.5063
Be 313.042	0.0425	0.0471	0.0497
Ca 370.602	-0.1630u	9.914	2.177
Cd 226.502	0.2056	0.0425	-0.1490u
Co 228.615	-0.3043u	0.1376	0.2142
Cr 267.716	0.5911	0.5587	0.5255
Cu 324.754	0.8569	0.8162	0.6178
Fe 271.441	5.7526	0.6803	-3.7415u
K 766.491	0.9026	0.5017	0.1112
Mg 279.078	-1.0068u	-2.1120u	-1.1508u
Mn 257.610	0.8535	0.8008	0.7740
Mo 202.032	1.1058	0.5598	0.5106
Na 330.237	-61.2055u	-30.9012u	21.4692
Ni 231.604	0.8595	0.8970	1.3080
Pb 220.353	2.8762	-1.7495u	-0.6810u
Sb 206.834	5.4206	4.0071	3.6370
Se 196.026	9.4102	8.6009	11.9044
Sn 189.925	2.6287	2.8032	3.3908
Sr 216.596	0.2703	0.7148	0.4414
Ti 334.941	0.1572	0.0733	0.1117
Tl 190.794	3.1187	2.3967	4.5982
V 292.401	0.7683	0.6844	0.7787
Zn 206.200	1.4224	1.5894	-0.6386u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0226	ppb	0.2066	915.1	-8.7274	0.02258
Al 308.215	3.7857	ppb	0.6568	17.3	419.532	3.78570
As 188.980	6.2518	ppb	1.9605	31.4	0.9419	6.25179
B 249.678	7.1813	ppb	0.8652	12.0	144.113	7.18130
Ba 389.178	0.5601	ppb	0.0476	8.5	-39.4174	0.56011
Be 313.042	0.0464	ppb	0.0037	7.9	-241.492	0.04644
Ca 370.602	3.976	ppb	5.274	132.6	20.35	3.97622
Cd 226.502	0.0331	ppb	0.1775	536.7	14.4519	0.03307
Co 228.615	0.0158	ppb	0.2799	1769.7	3.3002	0.01582
Cr 267.716	0.5584	ppb	0.0328	5.9	58.8375	0.55844
Cu 324.754	0.7636	ppb	0.1279	16.7	303.470	0.76364
Fe 271.441	0.8971	ppb	4.7508	529.6	8.0968	0.89711
K 766.491	0.5052	ppb	0.3957	78.3	346.693	0.50518
Mg 279.078	-1.4232	ppb	0.6009	42.2	15.4579	-1.42319
Mn 257.610	0.8094	ppb	0.0404	5.0	208.089	0.80942
Mo 202.032	0.7254	ppb	0.3303	45.5	10.7637	0.72540
Na 330.237	-23.5458	ppb	41.8253	177.6	20.9059	-23.54583
Ni 231.604	1.0215	ppb	0.2489	24.4	-1.9468	1.02149
Pb 220.353	0.1486	ppb	2.4219	1630.2	0.6470	0.14856
Sb 206.834	4.3549	ppb	0.9413	21.6	6.8595	4.35490
Se 196.026	9.9718	ppb	1.7219	17.3	6.5795	9.97182
Sn 189.925	2.9409	ppb	0.3993	13.6	-3.4392	2.94091
Sr 216.596	0.4755	ppb	0.2242	47.2	7.5458	0.47550

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	0.1141	ppb	0.0420	36.8	-30.2161	0.11407
Tl 190.794	3.3712	ppb	1.1223	33.3	-2.6673	3.37121
V 292.401	0.7438	ppb	0.0517	6.9	12.0480	0.74379
Zn 206.200	0.7911	ppb	1.2409	156.9	1.9186	0.79105

680-106200-b-45-a (Samp) **10/16/2014, 10:56:35 AM** **Rack 4, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-0.7879u	-0.2278	-0.6402u
Al 308.215	11950.2	11879.5	11798.3
As 188.980	37.6167	38.6914	44.5413
B 249.678	9.9392	10.2648	9.7011
Ba 389.178	1284.90	1273.11	1267.04
Be 313.042	1.6360	1.6152	1.6016
Ca 370.602	26517	26472	26369
Cd 226.502	0.0739	0.0873	0.3043
Co 228.615	36.6638	36.9085	37.6833
Cr 267.716	39.5844	39.2872	39.3753
Cu 324.754	41.8034	41.0100	40.8459
Fe 271.441	58956.7	58452.1	58121.2
K 766.491	1091.29	1079.54	1072.30
Mg 279.078	8756.07	8709.91	8657.09
Mn 257.610	12432.4	12316.0	12240.2
Mo 202.032	9.0690	8.7504	8.8878
Na 330.237	-46.5025u	-34.1020u	207.190u
Ni 231.604	26.1465	26.2338	26.7773
Pb 220.353	113.552	117.050	114.041
Sb 206.834	3.8299	2.3600	-0.2195
Se 196.026	0.2589	-3.7401	5.8290
Sn 189.925	5.2193	11.6997	7.5824
Sr 216.596	55.4930	54.6568	53.7576
Ti 334.941	195.467	193.620	192.525
Tl 190.794	4.0335	-1.0711u	0.6955u
V 292.401	49.1727	49.2083	48.5015
Zn 206.200	215.507	215.100	214.627

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5520	ppb	0.2903	52.6	-5.4444
Al 308.215	11876.0	ppb	76.0246	0.6	79085.4
As 188.980	40.2831	ppb	3.7266	9.3	18.9860
B 249.678	9.9684	ppb	0.2830	2.8	62.4866
Ba 389.178	1275.02	ppb	9.0826	0.7	25848.8
Be 313.042	1.6176	ppb	0.0173	1.1	2321.76
Ca 370.602	26452	ppb	75.76	0.3	60912
Cd 226.502	0.1552	ppb	0.1294	83.4	229.866
Co 228.615	37.0852	ppb	0.5322	1.4	396.742
Cr 267.716	39.4156	ppb	0.1526	0.4	2068.45
Cu 324.754	41.2198	ppb	0.5120	1.2	3164.94
Fe 271.441	58510.0	ppb	420.749	0.7	82408.5
K 766.491	1081.05	ppb	9.5850	0.9	46570.3
Mg 279.078	8707.69	ppb	49.5290	0.6	20940.6
Mn 257.610	12329.5	ppb	96.8323	0.8	2549910
Mo 202.032	8.9024	ppb	0.1598	1.8	58.8017

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	42.1951	ppb	143.024	339.0	4.4285
Ni 231.604	26.3859	ppb	0.3418	1.3	72.7392
Pb 220.353	114.881	ppb	1.8941	1.6	162.765
Sb 206.834	1.9901	ppb	2.0499	103.0	5.8097
Se 196.026	0.7826	ppb	4.8060	614.1	5.8835
Sn 189.925	8.1672	ppb	3.2795	40.2	-0.0031
Sr 216.596	54.6358	ppb	0.8679	1.6	671.540
Ti 334.941	193.871	ppb	1.4870	0.8	53755.4
Tl 190.794	1.2193	ppb	2.5923	212.6	-6.0410
V 292.401	48.9608	ppb	0.3982	0.8	1282.78
Zn 206.200	215.078	ppb	0.4406	0.2	192.885

680-106200-a-59-a (Samp) **10/16/2014, 11:00:54 AM** **Rack 4, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-0.6168u	-0.4736u	-0.2671u
Al 308.215	16156.3	15761.5	15394.0
As 188.980	51.1813	56.6793	49.5539
B 249.678	4.6613u	4.7664u	4.9697u
Ba 389.178	290.814	284.430	278.372
Be 313.042	2.0315	1.9816	1.9277
Ca 370.602	6175	6042	5914
Cd 226.502	-0.4565	-0.5100	-0.7958
Co 228.615	29.0673	28.7378	27.3291
Cr 267.716	62.2169	60.7912	59.4095
Cu 324.754	14.8966	15.2653	15.0762
Fe 271.441	85865.7	83744.1	81794.0
K 766.491	890.033	871.799	852.564
Mg 279.078	1596.09	1556.99	1522.91
Mn 257.610	4707.08	4599.31	4500.37
Mo 202.032	2.8771	3.0950	2.4269
Na 330.237	86.0311u	30.1890u	46.6253u
Ni 231.604	13.8414	11.6343	13.8624
Pb 220.353	67.8431	67.2327	66.8952
Sb 206.834	0.7364	-1.3289	1.0862
Se 196.026	9.4497	4.2678	8.2255
Sn 189.925	5.5287	5.3434	5.4787
Sr 216.596	27.2626	26.6008	24.6664
Ti 334.941	123.329	120.464	117.756
Tl 190.794	-0.1505u	-2.6622u	0.3398u
V 292.401	100.543	98.2825	95.9979
Zn 206.200	110.644	105.495	103.411

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4525	ppb	0.1758	38.8	-37.3868
Al 308.215	15770.6	ppb	381.218	2.4	104904
As 188.980	52.4715	ppb	3.7338	7.1	25.4247
B 249.678	4.7991	ppb	0.1568	3.3	-69.1173
Ba 389.178	284.539	ppb	6.2219	2.2	5764.35
Be 313.042	1.9802	ppb	0.0519	2.6	2910.73
Ca 370.602	6043	ppb	130.5	2.2	13297
Cd 226.502	-0.5874	ppb	0.1824	31.1	292.948
Co 228.615	28.3781	ppb	0.9233	3.3	306.371

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	60.8058	ppb	1.4038	2.3	3105.60
Cu 324.754	15.0794	ppb	0.1844	1.2	1341.16
Fe 271.441	83801.3	ppb	2036.47	2.4	118024
K 766.491	871.465	ppb	18.7366	2.2	37604.8
Mg 279.078	1558.66	ppb	36.6209	2.3	3714.71
Mn 257.610	4602.26	ppb	103.383	2.2	952001
Mo 202.032	2.7997	ppb	0.3407	12.2	19.9013
Na 330.237	54.2818	ppb	28.6976	52.9	1.9018
Ni 231.604	13.1127	ppb	1.2804	9.8	37.9344
Pb 220.353	67.3237	ppb	0.4805	0.7	91.9793
Sb 206.834	0.1645	ppb	1.3052	793.2	4.4867
Se 196.026	7.3143	ppb	2.7084	37.0	7.0892
Sn 189.925	5.4503	ppb	0.0958	1.8	-1.7895
Sr 216.596	26.1766	ppb	1.3491	5.2	380.969
Ti 334.941	120.516	ppb	2.7870	2.3	33392.0
Tl 190.794	-0.8243	ppb	1.6104	195.4	-14.5872
V 292.401	98.2743	ppb	2.2724	2.3	2568.83
Zn 206.200	106.517	ppb	3.7227	3.5	93.9173

mb 680-353770/1-a (Samp) **10/16/2014, 11:05:14 AM** **Rack 4, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-0.0808u	-0.0486u	-0.1796u
Al 308.215	5.0084	6.3421	6.8416
As 188.980	6.1714	-1.2142u	3.0811
B 249.678	1.2302	1.3072	0.6787
Ba 389.178	0.1675	0.5451	0.4514
Be 313.042	0.0040	-0.0004u	-0.0000
Ca 370.602	15.98	14.22	12.75
Cd 226.502	0.0001	0.0989	0.0968
Co 228.615	-0.2410u	0.0603	0.8956
Cr 267.716	0.4802	0.5711	0.4488
Cu 324.754	0.2825	0.3139	0.3735
Fe 271.441	18.6186	19.3539	16.8268
K 766.491	6.7698	6.2415	6.2015
Mg 279.078	1.6477	4.2132	1.2619
Mn 257.610	0.5350	0.6392	0.5516
Mo 202.032	0.3257	-0.2836u	-0.1202u
Na 330.237	-176.243u	54.0470	-47.0827u
Ni 231.604	1.4488	0.9725	1.0146
Pb 220.353	1.2548	0.1517	3.1766
Sb 206.834	0.7838	1.3078	-0.7424u
Se 196.026	-3.7439u	-0.6780u	3.0173
Sn 189.925	10.3808	12.0719	12.1607
Sr 216.596	-0.4555u	0.3233	0.1240
Ti 334.941	0.2233	0.2385	0.1932
Tl 190.794	2.0923	-2.2052u	1.6077
V 292.401	-0.1590u	0.0137	0.0185
Zn 206.200	1.2261	2.8647	1.9098

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1030	ppb	0.0682	66.2	-18.4250
Al 308.215	6.0640	ppb	0.9477	15.6	434.504

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2.6794	ppb	3.7092	138.4	-0.9745
B 249.678	1.0720	ppb	0.3428	32.0	51.6486
Ba 389.178	0.3880	ppb	0.1966	50.7	-42.9017
Be 313.042	0.0012	ppb	0.0024	202.4	-315.090
Ca 370.602	14.32	ppb	1.619	11.3	44.12
Cd 226.502	0.0653	ppb	0.0565	86.5	15.7181
Co 228.615	0.2383	ppb	0.5888	247.1	5.6365
Cr 267.716	0.5000	ppb	0.0636	12.7	55.9548
Cu 324.754	0.3233	ppb	0.0462	14.3	272.571
Fe 271.441	18.2664	ppb	1.2999	7.1	32.5806
K 766.491	6.4043	ppb	0.3172	5.0	599.045
Mg 279.078	2.3743	ppb	1.6042	67.6	24.6876
Mn 257.610	0.5753	ppb	0.0560	9.7	159.735
Mo 202.032	-0.0260	ppb	0.3154	1210.8	6.1137
Na 330.237	-56.4261	ppb	115.429	204.6	19.2906
Ni 231.604	1.1453	ppb	0.2637	23.0	-1.6031
Pb 220.353	1.5277	ppb	1.5308	100.2	2.6134
Sb 206.834	0.4498	ppb	1.0651	236.8	1.7288
Se 196.026	-0.4682	ppb	3.3855	723.1	2.5601
Sn 189.925	11.5378	ppb	1.0030	8.7	2.2131
Sr 216.596	-0.0027	ppb	0.4046	14768.9	2.3622
Ti 334.941	0.2183	ppb	0.0231	10.6	-1.2833
Tl 190.794	0.4983	ppb	2.3538	472.4	-5.4758
V 292.401	-0.0423	ppb	0.1011	239.1	-8.1802
Zn 206.200	2.0002	ppb	0.8230	41.1	3.0090

lcs 680-353770/2-a (Samp) **10/16/2014, 11:09:33 AM** **Rack 4, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	47.5956	47.2594	47.3353
Al 308.215	4740.57	4727.18	4742.05
As 188.980	104.411	105.223	107.461
B 249.678	183.648	183.395	184.576
Ba 389.178	94.7787	95.2197	94.3465
Be 313.042	49.5845	49.3566	49.5740
Ca 370.602	4593	4556	4567
Cd 226.502	48.8002	48.6657	48.8965
Co 228.615	48.5307	48.4796	48.8018
Cr 267.716	97.5114	97.0967	97.1313
Cu 324.754	98.5262	99.1371	99.6491
Fe 271.441	4807.58	4771.19	4811.32
K 766.491	4971.60	4947.47	4974.42
Mg 279.078	4711.82	4702.84	4704.69
Mn 257.610	503.344	500.164	501.880
Mo 202.032	95.1502	95.1341	94.8578
Na 330.237	4900.71	4636.20	4592.69
Ni 231.604	97.6479	97.0819	96.0070
Pb 220.353	480.894	476.676	480.229
Sb 206.834	45.9577	40.7812	46.2130
Se 196.026	102.383	103.281	101.223
Sn 189.925	195.707	195.489	198.281
Sr 216.596	95.6565	94.3334	94.7348
Ti 334.941	95.8773	95.5156	95.9907

Label	Replicates Concentration		
Tl 190.794	42.4806	35.8026	37.2309
V 292.401	96.2598	96.1660	95.7717
Zn 206.200	102.019	96.1432	97.1893

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.3968	ppb	0.1763	0.4	3654.04
Al 308.215	4736.60	ppb	8.1921	0.2	31760.5
As 188.980	105.698	ppb	1.5797	1.5	54.2858
B 249.678	183.873	ppb	0.6216	0.3	2806.24
Ba 389.178	94.7816	ppb	0.4366	0.5	1880.50
Be 313.042	49.5050	ppb	0.1286	0.3	80268.9
Ca 370.602	4572	ppb	18.66	0.4	10579
Cd 226.502	48.7875	ppb	0.1159	0.2	1856.37
Co 228.615	48.6040	ppb	0.1731	0.4	509.309
Cr 267.716	97.2464	ppb	0.2301	0.2	4859.98
Cu 324.754	99.1041	ppb	0.5622	0.6	7205.04
Fe 271.441	4796.69	ppb	22.1688	0.5	6768.04
K 766.491	4964.49	ppb	14.8140	0.3	212697
Mg 279.078	4706.45	ppb	4.7400	0.1	11442.3
Mn 257.610	501.796	ppb	1.5916	0.3	103856
Mo 202.032	95.0474	ppb	0.1643	0.2	594.160
Na 330.237	4709.87	ppb	166.697	3.5	243.431
Ni 231.604	96.9122	ppb	0.8335	0.9	263.950
Pb 220.353	479.266	ppb	2.2678	0.5	683.481
Sb 206.834	44.3173	ppb	3.0650	6.9	59.2655
Se 196.026	102.296	ppb	1.0316	1.0	42.2594
Sn 189.925	196.492	ppb	1.5527	0.8	123.819
Sr 216.596	94.9083	ppb	0.6784	0.7	1042.75
Ti 334.941	95.7945	ppb	0.2481	0.3	26527.6
Tl 190.794	38.5047	ppb	3.5165	9.1	31.3091
V 292.401	96.0658	ppb	0.2591	0.3	2466.55
Zn 206.200	98.4504	ppb	3.1342	3.2	89.5867

680-106222-c-1-a (Samp) **10/16/2014, 11:13:52 AM** **Rack 4, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	1.2239	1.5826	0.9449
Al 308.215	43061.1	43011.5	43108.4
As 188.980	31.6531	19.6960	28.4742
B 249.678	18.9681	19.1646	19.3201
Ba 389.178	426.357	428.326	427.953
Be 313.042	1.7311	1.7259	1.7336
Ca 370.602	58514	58889	58836
Cd 226.502	5.5951	5.1336	5.5542
Co 228.615	4.8941	5.4936	4.3501
Cr 267.716	43.3648	43.4574	43.7955
Cu 324.754	82.9743	81.4307	82.0426
Fe 271.441	4825.45	4825.55	4813.53
K 766.491	2503.10	2494.49	2489.67
Mg 279.078	3958.93	3968.86	3974.15
Mn 257.610	1202.11	1204.41	1204.26
Mo 202.032	5.4661	5.6241	6.1870
Na 330.237	7821.74	7576.00	7721.47

Label	Replicates Concentration		
Ni 231.604	39.9783	38.9910	39.8127
Pb 220.353	25.9385	24.5531	27.4213
Sb 206.834	4.0275	2.4893	3.9233
Se 196.026	20.3768	17.0494	18.4015
Sn 189.925	17.1837	19.3082	16.5454
Sr 216.596	213.271	213.226	214.953
Ti 334.941	271.625	271.959	273.064
Tl 190.794	-0.3662u	1.9101	0.7669
V 292.401	117.552	118.131	117.952
Zn 206.200	616.689	614.896	623.721

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.2504	ppb	0.3197	25.6	84.7702
Al 308.215	43060.3	ppb	48.4426	0.1	285358
As 188.980	26.6078	ppb	6.1932	23.3	12.1983
B 249.678	19.1509	ppb	0.1764	0.9	314.910
Ba 389.178	427.545	ppb	1.0459	0.2	8628.11
Be 313.042	1.7302	ppb	0.0039	0.2	2525.79
Ca 370.602	58746	ppb	203.1	0.3	135891
Cd 226.502	5.4276	ppb	0.2554	4.7	233.692
Co 228.615	4.9126	ppb	0.5719	11.6	59.8751
Cr 267.716	43.5392	ppb	0.2267	0.5	2199.07
Cu 324.754	82.1492	ppb	0.7773	0.9	6012.11
Fe 271.441	4821.51	ppb	6.9115	0.1	6798.30
K 766.491	2495.75	ppb	6.8045	0.3	107089
Mg 279.078	3967.31	ppb	7.7269	0.2	9620.57
Mn 257.610	1203.59	ppb	1.2853	0.1	248977
Mo 202.032	5.7591	ppb	0.3790	6.6	41.5902
Na 330.237	7706.40	ppb	123.561	1.6	373.338
Ni 231.604	39.5940	ppb	0.5287	1.3	105.281
Pb 220.353	25.9710	ppb	1.4344	5.5	36.7548
Sb 206.834	3.4800	ppb	0.8596	24.7	6.2353
Se 196.026	18.6092	ppb	1.6734	9.0	10.1752
Sn 189.925	17.6791	ppb	1.4465	8.2	6.2530
Sr 216.596	213.817	ppb	0.9840	0.5	2363.87
Ti 334.941	272.216	ppb	0.7532	0.3	75481.8
Tl 190.794	0.7703	ppb	1.1382	147.8	-5.0684
V 292.401	117.878	ppb	0.2965	0.3	3050.81
Zn 206.200	618.436	ppb	4.6648	0.8	558.841

680-106222-c-1-aSD (Samp) **10/16/2014, 11:18:12 AM** **Rack 4, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	0.2814	0.1368	0.1473
Al 308.215	8245.66	8284.41	8400.87
As 188.980	8.3423	9.1298	14.3919
B 249.678	4.2467	4.1905	4.7079
Ba 389.178	84.9659	86.0393	85.7766
Be 313.042	0.3315	0.3233	0.3301
Ca 370.602	11551	11642	11699
Cd 226.502	1.1709	1.0398	1.2142
Co 228.615	0.8011	0.6790	1.1074
Cr 267.716	8.6566	8.6366	8.8434

Label	Replicates Concentration		
Cu 324.754	16.5978	16.0757	16.7179
Fe 271.441	955.689	963.960	969.837
K 766.491	468.362	471.999	475.985
Mg 279.078	792.763	789.528	801.318
Mn 257.610	239.088	240.834	242.904
Mo 202.032	1.4111	0.7139	1.1874
Na 330.237	1499.63	1396.88	1292.49
Ni 231.604	8.6015	8.8280	8.1759
Pb 220.353	5.1215	5.6304	4.2890
Sb 206.834	-0.7758u	-0.2929u	2.3632
Se 196.026	9.7988	-10.0868u	5.6346
Sn 189.925	5.0196	3.8311	4.7550
Sr 216.596	41.4155	41.7284	42.4501
Ti 334.941	53.6168	53.9442	54.4953
Tl 190.794	0.2880	-1.5861u	1.5406
V 292.401	22.8252	23.3400	23.5800
Zn 206.200	124.749	124.501	126.188

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1885	ppb	0.0806	42.8	3.8553
Al 308.215	8310.31	ppb	80.7810	1.0	55390.3
As 188.980	10.6213	ppb	3.2890	31.0	3.3509
B 249.678	4.3817	ppb	0.2839	6.5	99.7184
Ba 389.178	85.5939	ppb	0.5595	0.7	1686.71
Be 313.042	0.3283	ppb	0.0044	1.3	222.493
Ca 370.602	11631	ppb	74.79	0.6	26912
Cd 226.502	1.1416	ppb	0.0908	8.0	59.3766
Co 228.615	0.8625	ppb	0.2207	25.6	13.2300
Cr 267.716	8.7122	ppb	0.1141	1.3	464.924
Cu 324.754	16.4638	ppb	0.3414	2.1	1404.72
Fe 271.441	963.162	ppb	7.1075	0.7	1363.50
K 766.491	472.115	ppb	3.8130	0.8	20521.3
Mg 279.078	794.536	ppb	6.0920	0.8	1941.99
Mn 257.610	240.942	ppb	1.9104	0.8	49874.2
Mo 202.032	1.1041	ppb	0.3560	32.2	13.0441
Na 330.237	1396.33	ppb	103.568	7.4	85.3686
Ni 231.604	8.5351	ppb	0.3311	3.9	18.9416
Pb 220.353	5.0136	ppb	0.6771	13.5	7.4465
Sb 206.834	0.4315	ppb	1.6902	391.7	1.7988
Se 196.026	1.7822	ppb	10.4876	588.5	3.4800
Sn 189.925	4.5352	ppb	0.6239	13.8	-2.3906
Sr 216.596	41.8647	ppb	0.5306	1.3	464.720
Ti 334.941	54.0188	ppb	0.4440	0.8	14929.1
Tl 190.794	0.0809	ppb	1.5736	1945.8	-5.8549
V 292.401	23.2484	ppb	0.3856	1.7	596.009
Zn 206.200	125.146	ppb	0.9111	0.7	114.050

680-106222-c-1-aPDS (Samp) **10/16/2014, 11:22:31 AM** **Rack 4, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	94.3505	94.8417	92.4733
Al 308.215	43892.8	43858.2	43827.1
As 188.980	138.285	135.867	131.663

Label	Replicates Concentration		
B 249.678	215.236	214.721	210.407
Ba 389.178	508.095	506.089	504.729
Be 313.042	102.982	101.700	99.2007
Ca 370.602	68426	68534	68207
Cd 226.502	104.592	103.550	101.218
Co 228.615	105.193	103.708	102.620
Cr 267.716	142.158	141.129	138.267
Cu 324.754	188.147	186.488	184.751
Fe 271.441	14706.3	14599.7	14314.6
K 766.491	13676.0	13615.1	13320.5
Mg 279.078	13976.5	13839.3	13610.4
Mn 257.610	2242.87	2233.61	2205.29
Mo 202.032	105.347	104.766	102.268
Na 330.237	17032.5	17174.3	16656.5
Ni 231.604	139.690	138.942	135.948
Pb 220.353	122.932	121.965	119.959
Sb 206.834	102.666	99.9714	95.6953
Se 196.026	115.364	109.034	115.070
Sn 189.925	117.493	117.685	110.704
Sr 216.596	308.242	306.586	304.500
Ti 334.941	366.142	365.265	362.851
Tl 190.794	19.3631	21.7361	17.1507
V 292.401	219.114	217.821	214.621
Zn 206.200	706.937	707.924	704.993

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	93.8885	ppb	1.2500	1.3	7249.93
Al 308.215	43859.4	ppb	32.8470	0.1	290677
As 188.980	135.272	ppb	3.3511	2.5	70.4274
B 249.678	213.455	ppb	2.6518	1.2	3233.77
Ba 389.178	506.305	ppb	1.6931	0.3	10243.4
Be 313.042	101.294	ppb	1.9228	1.9	164606
Ca 370.602	68389	ppb	166.8	0.2	158141
Cd 226.502	103.120	ppb	1.7277	1.7	3924.69
Co 228.615	103.840	ppb	1.2912	1.2	1090.43
Cr 267.716	140.518	ppb	2.0159	1.4	7018.63
Cu 324.754	186.462	ppb	1.6981	0.9	13334.7
Fe 271.441	14540.2	ppb	202.533	1.4	20496.4
K 766.491	13537.2	ppb	190.120	1.4	579421
Mg 279.078	13808.7	ppb	184.976	1.3	33511.2
Mn 257.610	2227.26	ppb	19.5790	0.9	460762
Mo 202.032	104.127	ppb	1.6355	1.6	649.810
Na 330.237	16954.4	ppb	267.577	1.6	810.778
Ni 231.604	138.193	ppb	1.9801	1.4	378.944
Pb 220.353	121.619	ppb	1.5166	1.2	172.612
Sb 206.834	99.4443	ppb	3.5152	3.5	132.566
Se 196.026	113.156	ppb	3.5723	3.2	46.8476
Sn 189.925	115.294	ppb	3.9764	3.4	70.4359
Sr 216.596	306.442	ppb	1.8750	0.6	3385.99
Ti 334.941	364.753	ppb	1.7044	0.5	101176
Tl 190.794	19.4166	ppb	2.2932	11.8	12.5673
V 292.401	217.185	ppb	2.3130	1.1	5609.80
Zn 206.200	706.618	ppb	1.4914	0.2	637.773

680-106222-c-1-b ms (Samp) **10/16/2014, 11:26:51 AM** **Rack 4, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.3192	50.6361	50.4981
Al 308.215	49068.9	49083.4	49183.9
As 188.980	133.237	129.539	134.592
B 249.678	191.303	192.537	192.465
Ba 389.178	526.998	527.883	529.128
Be 313.042	52.8007	52.7484	52.8259
Ca 370.602	63567	63684	63236
Cd 226.502	54.6898	54.6066	54.3972
Co 228.615	56.0225	55.3715	54.6072
Cr 267.716	142.425	142.764	142.392
Cu 324.754	186.505	187.908	188.297
Fe 271.441	10482.7	10476.0	10508.6
K 766.491	8345.24	8343.78	8364.41
Mg 279.078	8893.60	8903.93	8899.05
Mn 257.610	1713.51	1713.39	1713.99
Mo 202.032	99.6995	99.5403	99.3843
Na 330.237	12589.4	12722.5	12584.8
Ni 231.604	138.642	139.342	140.085
Pb 220.353	505.408	509.353	508.977
Sb 206.834	39.7478	37.3076	44.0703
Se 196.026	107.502	106.436	108.535
Sn 189.925	208.637	200.598	205.121
Sr 216.596	311.339	310.302	309.377
Ti 334.941	404.791	404.894	405.917
Tl 190.794	42.9431	37.5147	31.6074
V 292.401	214.080	214.767	213.768
Zn 206.200	710.558	713.580	711.953

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.4845	ppb	0.1589	0.3	3891.24
Al 308.215	49112.0	ppb	62.6225	0.1	325428
As 188.980	132.456	ppb	2.6153	2.0	68.9837
B 249.678	192.102	ppb	0.6925	0.4	2918.65
Ba 389.178	528.003	ppb	1.0703	0.2	10675.2
Be 313.042	52.7917	ppb	0.0396	0.1	85645.7
Ca 370.602	63496	ppb	232.2	0.4	146873
Cd 226.502	54.5646	ppb	0.1508	0.3	2092.98
Co 228.615	55.3337	ppb	0.7084	1.3	585.758
Cr 267.716	142.527	ppb	0.2060	0.1	7114.79
Cu 324.754	187.570	ppb	0.9425	0.5	13410.6
Fe 271.441	10489.1	ppb	17.2164	0.2	14786.2
K 766.491	8351.14	ppb	11.5105	0.1	357572
Mg 279.078	8898.86	ppb	5.1646	0.1	21590.4
Mn 257.610	1713.63	ppb	0.3177	0.0	354501
Mo 202.032	99.5414	ppb	0.1576	0.2	621.609
Na 330.237	12632.2	ppb	78.2219	0.6	604.890
Ni 231.604	139.356	ppb	0.7215	0.5	381.964
Pb 220.353	507.913	ppb	2.1776	0.4	723.533
Sb 206.834	40.3752	ppb	3.4247	8.5	54.6552
Se 196.026	107.491	ppb	1.0494	1.0	44.5368
Sn 189.925	204.785	ppb	4.0302	2.0	129.274
Sr 216.596	310.339	ppb	0.9813	0.3	3422.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	405.201	ppb	0.6227	0.2	112391
Tl 190.794	37.3551	ppb	5.6695	15.2	30.2343
V 292.401	214.205	ppb	0.5106	0.2	5532.25
Zn 206.200	712.030	ppb	1.5127	0.2	642.806

680-106222-c-1-c msd (Samp) **10/16/2014, 11:31:10 AM** **Rack 4, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	49.1308	49.2556	49.1683
Al 308.215	45184.7	45152.2	45088.0
As 188.980	131.059	130.982	128.573
B 249.678	193.349	192.746	193.538
Ba 389.178	489.171	488.369	489.634
Be 313.042	51.6548	51.6966	51.6255
Ca 370.602	57831	57974	57952
Cd 226.502	52.9780	53.1782	53.1926
Co 228.615	54.2949	54.2103	54.2903
Cr 267.716	137.048	136.919	137.257
Cu 324.754	177.078	178.812	176.589
Fe 271.441	9505.37	9509.29	9514.81
K 766.491	7986.33	7981.57	7968.69
Mg 279.078	8472.04	8456.20	8455.80
Mn 257.610	1597.06	1597.21	1598.64
Mo 202.032	98.3855	97.3002	98.2378
Na 330.237	12237.9	12294.2	12141.9
Ni 231.604	133.605	134.352	133.758
Pb 220.353	499.424	503.099	497.946
Sb 206.834	40.3202	39.2080	42.3898
Se 196.026	111.471	101.654	101.978
Sn 189.925	203.966	201.375	198.956
Sr 216.596	290.974	290.658	291.654
Ti 334.941	377.863	378.237	378.392
Tl 190.794	41.5499	34.0230	38.8355
V 292.401	202.904	201.942	202.803
Zn 206.200	660.070	658.921	656.546

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.1849	ppb	0.0640	0.1	3790.89
Al 308.215	45141.6	ppb	49.1820	0.1	299152
As 188.980	130.205	ppb	1.4140	1.1	67.7480
B 249.678	193.211	ppb	0.4139	0.2	2937.49
Ba 389.178	489.058	ppb	0.6399	0.1	9884.30
Be 313.042	51.6590	ppb	0.0357	0.1	83799.5
Ca 370.602	57919	ppb	76.61	0.1	133979
Cd 226.502	53.1163	ppb	0.1199	0.2	2035.28
Co 228.615	54.2652	ppb	0.0476	0.1	574.078
Cr 267.716	137.075	ppb	0.1704	0.1	6843.34
Cu 324.754	177.493	ppb	1.1681	0.7	12703.5
Fe 271.441	9509.83	ppb	4.7455	0.0	13406.9
K 766.491	7978.86	ppb	9.1227	0.1	341646
Mg 279.078	8461.34	ppb	9.2634	0.1	20530.9
Mn 257.610	1597.64	ppb	0.8738	0.1	330508
Mo 202.032	97.9745	ppb	0.5886	0.6	611966

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	12224.7	ppb	77.0232	0.6	587.040
Ni 231.604	133.905	ppb	0.3947	0.3	366.791
Pb 220.353	500.156	ppb	2.6530	0.5	712.571
Sb 206.834	40.6394	ppb	1.6147	4.0	54.9450
Se 196.026	105.034	ppb	5.5764	5.3	43.5616
Sn 189.925	201.433	ppb	2.5055	1.2	127.069
Sr 216.596	291.096	ppb	0.5091	0.2	3209.57
Ti 334.941	378.164	ppb	0.2721	0.1	104888
Tl 190.794	38.1361	ppb	3.8119	10.0	31.0478
V 292.401	202.550	ppb	0.5291	0.3	5229.93
Zn 206.200	658.512	ppb	1.7973	0.3	594.574

680-106225-c-4-b (Samp) **10/16/2014, 11:35:29 AM** **Rack 4, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	3.4894	4.6742	4.2918
Al 308.215	62960.0	62869.6	62963.9
As 188.980	243.610	248.857	245.912
B 249.678	68.9586u	68.6138u	69.5034u
Ba 389.178	1080.81	1083.78	1081.59
Be 313.042	5.7309	5.7196	5.7292
Ca 370.602	636523	636311	634412
Cd 226.502	36.9148	37.1126	38.2376
Co 228.615	82.8919	83.0072	83.9802
Cr 267.716	999.692	1000.57	1000.60
Cu 324.754	4819.61	4826.32	4847.32
Fe 271.441	605622	608351	610142
K 766.491	6331.90	6310.46	6323.65
Mg 279.078	49192.8	49224.7	49202.9
Mn 257.610	7003.09	7000.70	7000.51
Mo 202.032	141.426	142.765	142.807
Na 330.237	2171.39u	2123.22u	1782.32u
Ni 231.604	633.847	635.638	635.356
Pb 220.353	2173.72	2183.50	2178.70
Sb 206.834	32.1777	27.1409	26.3493
Se 196.026	6.0645	11.5799	5.3644
Sn 189.925	160.960	158.247	155.290
Sr 216.596	702.767	703.477	705.566
Ti 334.941	852.124	852.727	850.416
Tl 190.794	-22.3927u	-25.0404u	-17.9476u
V 292.401	180.548	180.375	180.113
Zn 206.200	6667.44	6679.34	6677.17

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.1518	ppb	0.6047	14.6	223.907
Al 308.215	62931.2	ppb	53.3967	0.1	417878
As 188.980	246.127	ppb	2.6301	1.1	126.896
B 249.678	69.0253	ppb	0.4485	0.6	-205.718
Ba 389.178	1082.06	ppb	1.5372	0.1	22264.0
Be 313.042	5.7265	ppb	0.0061	0.1	9182.50
Ca 370.602	635749	ppb	1162	0.2	1464134
Cd 226.502	37.4217	ppb	0.7135	1.9	3603.23
Co 228.615	83.2931	ppb	0.5978	0.7	923.661

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	1000.29	ppb	0.5153	0.1	49967.6
Cu 324.754	4831.09	ppb	14.4543	0.3	339341
Fe 271.441	608038	ppb	2276.39	0.4	856293
K 766.491	6322.00	ppb	10.8138	0.2	270769
Mg 279.078	49206.8	ppb	16.3003	0.0	119415
Mn 257.610	7001.43	ppb	1.4400	0.0	1449992
Mo 202.032	142.332	ppb	0.7854	0.6	860.765
Na 330.237	2025.65	ppb	212.097	10.5	-193.643
Ni 231.604	634.947	ppb	0.9631	0.2	1800.73
Pb 220.353	2178.64	ppb	4.8911	0.2	3070.75
Sb 206.834	28.5560	ppb	3.1614	11.1	65.5544
Se 196.026	7.6696	ppb	3.4045	44.4	11.6955
Sn 189.925	158.166	ppb	2.8361	1.8	98.6176
Sr 216.596	703.937	ppb	1.4549	0.2	8559.97
Ti 334.941	851.756	ppb	1.1984	0.1	236439
Tl 190.794	-21.7936	ppb	3.5841	16.4	-97.6171
V 292.401	180.345	ppb	0.2191	0.1	4833.57
Zn 206.200	6674.65	ppb	6.3345	0.1	5996.86

Cont Calib Verif (CCV) **10/16/2014, 11:39:48 AM** **Rack 4, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	480.876	478.030	475.809
Al 308.215	4802.17	4777.16	4786.24
As 188.980	455.304	459.480	463.505
B 249.678	481.578	480.074	483.603
Ba 389.178	4760.45	4735.20	4737.00
Be 313.042	487.594	484.305	486.018
Ca 370.602	4733	4707	4697
Cd 226.502	484.585	482.258	482.203
Co 228.615	487.479	483.714	485.004
Cr 267.716	4828.92	4796.79	4798.00
Cu 324.754	4911.68	4934.10	4924.81
Fe 271.441	4877.20	4857.78	4847.33
K 766.491	9935.57	9889.74	9917.07
Mg 279.078	4812.67	4781.02	4787.09
Mn 257.610	4887.47	4881.11	4887.17
Mo 202.032	482.194	479.707	478.786
Na 330.237	7688.07	7493.63	7545.38
Ni 231.604	2446.24	2436.50	2431.33
Pb 220.353	485.594	478.039	482.402
Sb 206.834	901.910	902.621	904.672
Se 196.026	4836.99	4824.25	4826.11
Sn 189.925	4805.66	4809.52	4817.72
Sr 216.596	2408.57	2398.03	2395.99
Ti 334.941	471.973	468.432	469.794
Tl 190.794	4857.93	4824.00	4839.27
V 292.401	4793.73	4775.65	4773.65
Zn 206.200	2427.84	2409.43	2400.68

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	478.238	ppb	2.5396	0.5	36934.8	95.64764
Al 308.215	4788.52	ppb	12.6612	0.3	32582.4	95.77050

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	459.430	ppb	4.1009	0.9	243.968	91.88594
B 249.678	481.752	ppb	1.7709	0.4	7322.02	96.35036
Ba 389.178	4744.22	ppb	14.0864	0.3	96188.4	94.88441
Be 313.042	485.972	ppb	1.6450	0.3	791005	97.19450
Ca 370.602	4712	ppb	18.16	0.4	11161	94.24798
Cd 226.502	483.016	ppb	1.3598	0.3	18107.2	96.60310
Co 228.615	485.399	ppb	1.9131	0.4	5063.90	97.07980
Cr 267.716	4807.90	ppb	18.2086	0.4	238583	96.15804
Cu 324.754	4923.53	ppb	11.2682	0.2	345522	98.47057
Fe 271.441	4860.77	ppb	15.1576	0.3	6948.44	97.21536
K 766.491	9914.13	ppb	23.0564	0.2	424433	99.14130
Mg 279.078	4793.59	ppb	16.7975	0.4	11572.6	95.87185
Mn 257.610	4885.25	ppb	3.5856	0.1	1010319	97.70496
Mo 202.032	480.229	ppb	1.7631	0.4	2973.15	96.04586
Na 330.237	7575.69	ppb	100.701	1.3	322.403	101.00921
Ni 231.604	2438.03	ppb	7.5733	0.3	6748.26	97.52100
Pb 220.353	482.012	ppb	3.7924	0.8	690.950	96.40234
Sb 206.834	903.068	ppb	1.4342	0.2	1236.57	90.30676
Se 196.026	4829.12	ppb	6.8779	0.1	1863.00	96.58234
Sn 189.925	4810.97	ppb	6.1566	0.1	3157.77	96.21934
Sr 216.596	2400.86	ppb	6.7536	0.3	26175.1	96.03459
Ti 334.941	470.067	ppb	1.7863	0.4	130381	94.01332
Tl 190.794	4840.40	ppb	16.9932	0.4	4734.30	96.80795
V 292.401	4781.01	ppb	11.0606	0.2	123632	95.62023
Zn 206.200	2412.65	ppb	13.8651	0.6	2165.12	96.50603

Cont Calib Blank (CCB) **10/16/2014, 11:44:08 AM** **Rack 4, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0041	0.1730	0.2375
Al 308.215	8.6918	7.2963	6.7167
As 188.980	4.8224	0.4691	4.1039
B 249.678	8.9730	7.5648	7.2169
Ba 389.178	0.8532	1.4756	0.1341
Be 313.042	0.0596	0.0630	0.0607
Ca 370.602	25.08	18.78	19.68
Cd 226.502	0.1709	0.1316	0.1656
Co 228.615	-0.0453u	-0.7006u	0.1977
Cr 267.716	0.8524	0.7329	0.7562
Cu 324.754	0.9899	1.2589	1.3219
Fe 271.441	13.9784	17.4507	16.9446
K 766.491	0.7824	0.8152	0.2464
Mg 279.078	2.2759	3.2117	0.7498
Mn 257.610	1.0346	1.0406	1.0535
Mo 202.032	0.9601	0.6961	0.0960
Na 330.237	-26.1720u	-132.243u	-55.7521u
Ni 231.604	2.4340	0.5719	-0.0517u
Pb 220.353	0.8300	0.9182	-0.1050u
Sb 206.834	3.4669	4.4187	0.4393
Se 196.026	6.6962	3.8812	2.9835
Sn 189.925	-0.5112u	5.7622	3.6728
Sr 216.596	0.4187	0.2490	0.3293
Ti 334.941	0.2161	0.1686	0.2254

Label	Replicates Concentration		
Tl 190.794	4.2862	3.8034	4.3870
V 292.401	0.6946	0.9002	0.5493
Zn 206.200	1.4575	-0.7554u	-1.1465u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1382	ppb	0.1206	87.2	0.2176	0.13819
Al 308.215	7.5683	ppb	1.0153	13.4	444.574	7.56825
As 188.980	3.1318	ppb	2.3338	74.5	-0.7319	3.13181
B 249.678	7.9182	ppb	0.9299	11.7	155.201	7.91823
Ba 389.178	0.8210	ppb	0.6713	81.8	-34.1168	0.82100
Be 313.042	0.0611	ppb	0.0017	2.8	-217.580	0.06112
Ca 370.602	21.18	ppb	3.409	16.1	60.02	21.17874
Cd 226.502	0.1561	ppb	0.0213	13.7	19.1061	0.15607
Co 228.615	-0.1828	ppb	0.4647	254.2	1.2392	-0.18276
Cr 267.716	0.7805	ppb	0.0633	8.1	69.8648	0.78048
Cu 324.754	1.1902	ppb	0.1764	14.8	333.389	1.19022
Fe 271.441	16.1246	ppb	1.8758	11.6	29.5317	16.12456
K 766.491	0.6147	ppb	0.3193	52.0	351.377	0.61468
Mg 279.078	2.0791	ppb	1.2427	59.8	23.9609	2.07914
Mn 257.610	1.0429	ppb	0.0097	0.9	256.428	1.04290
Mo 202.032	0.5840	ppb	0.4428	75.8	9.8884	0.58405
Na 330.237	-71.3892	ppb	54.7374	76.7	18.6197	-71.38921
Ni 231.604	0.9847	ppb	1.2933	131.3	-2.0474	0.98472
Pb 220.353	0.5478	ppb	0.5670	103.5	1.2157	0.54776
Sb 206.834	2.7750	ppb	2.0780	74.9	4.7823	2.77497
Se 196.026	4.5203	ppb	1.9371	42.9	4.4808	4.52033
Sn 189.925	2.9746	ppb	3.1945	107.4	-3.4171	2.97457
Sr 216.596	0.3323	ppb	0.0849	25.5	6.0158	0.33234
Ti 334.941	0.2034	ppb	0.0305	15.0	-5.4389	0.20336
Tl 190.794	4.1589	ppb	0.3120	7.5	-1.8987	4.15887
V 292.401	0.7147	ppb	0.1763	24.7	11.3189	0.71471
Zn 206.200	-0.1481	ppb	1.4042	947.8	1.0703	-0.14815

640-49455-a-8-a (Samp) **10/16/2014, 11:48:28 AM** **Rack 4, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	0.0665u	0.1316u	0.0896u
Al 308.215	7103.04	7098.72	7117.91
As 188.980	7.8842	10.5655	8.3480
B 249.678	7.2929	6.7551	6.4985
Ba 389.178	166.384	167.201	167.221
Be 313.042	0.3133	0.3212	0.3127
Ca 370.602	20533	20492	20551
Cd 226.502	1.5816	1.5015	1.5135
Co 228.615	1.5168	1.7731	1.9458
Cr 267.716	23.0142	23.1542	23.0447
Cu 324.754	636.125	642.116	640.055
Fe 271.441	9486.03	9482.46	9487.69
K 766.491	372.204	371.571	372.371
Mg 279.078	613.236	610.953	610.169
Mn 257.610	51.2925	51.0655	51.0781
Mo 202.032	2.3336	2.0498	1.8327
Na 330.237	1004.83u	973.989u	891.565u

Label	Replicates Concentration		
Ni 231.604	4.7887	5.1655	6.6706
Pb 220.353	1644.92	1645.43	1647.08
Sb 206.834	6.8479	6.1777	6.0333
Se 196.026	7.7143	5.5109	5.8433
Sn 189.925	3513.56	3486.30	3504.86
Sr 216.596	485.718	485.454	484.979
Ti 334.941	130.813	129.100	129.553
Tl 190.794	2.5013	2.1222	2.1592
V 292.401	12.8737	12.6958	12.7470
Zn 206.200	2626.94	2615.09	2620.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0959	ppb	0.0330	34.4	-19.2675
Al 308.215	7106.56	ppb	10.0684	0.1	47438.0
As 188.980	8.9326	ppb	1.4331	16.0	2.3895
B 249.678	6.8488	ppb	0.4054	5.9	119.194
Ba 389.178	166.935	ppb	0.4775	0.3	3340.44
Be 313.042	0.3157	ppb	0.0048	1.5	204.196
Ca 370.602	20525	ppb	30.27	0.1	47414
Cd 226.502	1.5322	ppb	0.0432	2.8	104.534
Co 228.615	1.7452	ppb	0.2158	12.4	22.2296
Cr 267.716	23.0710	ppb	0.0736	0.3	1180.50
Cu 324.754	639.432	ppb	3.0440	0.5	45101.2
Fe 271.441	9485.39	ppb	2.6691	0.0	13365.0
K 766.491	372.048	ppb	0.4223	0.1	16240.6
Mg 279.078	611.452	ppb	1.5937	0.3	1501.10
Mn 257.610	51.1454	ppb	0.1276	0.2	10649.2
Mo 202.032	2.0720	ppb	0.2512	12.1	18.6798
Na 330.237	956.793	ppb	58.5562	6.1	-0.0164
Ni 231.604	5.5416	ppb	0.9957	18.0	11.3012
Pb 220.353	1645.81	ppb	1.1282	0.1	2346.57
Sb 206.834	6.3530	ppb	0.4347	6.8	10.9180
Se 196.026	6.3562	ppb	1.1879	18.7	5.2691
Sn 189.925	3501.57	ppb	13.9230	0.4	2296.86
Sr 216.596	485.383	ppb	0.3745	0.1	5322.96
Ti 334.941	129.822	ppb	0.8875	0.7	35963.8
Tl 190.794	2.2609	ppb	0.2090	9.2	-4.8528
V 292.401	12.7722	ppb	0.0916	0.7	327.934
Zn 206.200	2620.83	ppb	5.9310	0.2	2365.22

X (Samp) **10/16/2014, 11:52:47 AM** **Rack 4, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	10.2354	10.5521	10.1461
Al 308.215	209.873	209.305	208.790
As 188.980	29.7431	29.4602	23.7884
B 249.678	102.413	103.546	103.196
Ba 389.178	9.8851	10.5571	9.9094
Be 313.042	4.1682	4.1662	4.1556
Ca 370.602	504.0	502.0	500.0
Cd 226.502	5.1108	5.0364	5.0295
Co 228.615	10.1937	10.1445	9.8161
Cr 267.716	10.1996	10.3432	10.3056

Label	Replicates Concentration		
Cu 324.754	21.1399	21.3382	21.9237
Fe 271.441	55.0644	52.7639	48.1547
K 766.491	1069.67	1071.28	1071.82
Mg 279.078	508.868	512.453	505.676
Mn 257.610	10.9258	10.9147	10.8640
Mo 202.032	10.1051	10.3400	9.8405
Na 330.237	876.592	1014.94	854.893
Ni 231.604	42.2063	42.7070	41.0232
Pb 220.353	10.5143	10.3310	14.1702
Sb 206.834	20.6791	20.7410	22.8921
Se 196.026	20.8272	18.9478	22.8865
Sn 189.925	57.2995	52.8248	52.4859
Sr 216.596	10.4877	9.9632	9.8198
Ti 334.941	10.2403	10.2026	10.1206
Tl 190.794	22.7371	21.6412	23.8035
V 292.401	10.2393	10.4205	9.8975
Zn 206.200	20.0858	23.3799	22.1393

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3112	ppb	0.2134	2.1	786.763
Al 308.215	209.323	ppb	0.5415	0.3	1781.09
As 188.980	27.6639	ppb	3.3593	12.1	12.4284
B 249.678	103.052	ppb	0.5799	0.6	1593.89
Ba 389.178	10.1172	ppb	0.3811	3.8	155.141
Be 313.042	4.1633	ppb	0.0068	0.2	6459.95
Ca 370.602	502.0	ppb	1.991	0.4	1175
Cd 226.502	5.0589	ppb	0.0451	0.9	202.715
Co 228.615	10.0514	ppb	0.2053	2.0	107.793
Cr 267.716	10.2828	ppb	0.0745	0.7	541.347
Cu 324.754	21.4673	ppb	0.4075	1.9	1755.80
Fe 271.441	51.9943	ppb	3.5186	6.8	81.2469
K 766.491	1070.92	ppb	1.1199	0.1	46137.1
Mg 279.078	508.999	ppb	3.3902	0.7	1255.27
Mn 257.610	10.9015	ppb	0.0329	0.3	2298.90
Mo 202.032	10.0952	ppb	0.2499	2.5	68.7358
Na 330.237	915.476	ppb	86.8210	9.5	65.2600
Ni 231.604	41.9789	ppb	0.8646	2.1	111.493
Pb 220.353	11.6718	ppb	2.1656	18.6	17.0630
Sb 206.834	21.4374	ppb	1.2602	5.9	29.3433
Se 196.026	20.8872	ppb	1.9700	9.4	10.7844
Sn 189.925	54.2034	ppb	2.6867	5.0	30.2654
Sr 216.596	10.0902	ppb	0.3516	3.5	111.714
Ti 334.941	10.1878	ppb	0.0612	0.6	2765.86
Tl 190.794	22.7273	ppb	1.0812	4.8	16.2661
V 292.401	10.1857	ppb	0.2656	2.6	255.043
Zn 206.200	21.8683	ppb	1.6637	7.6	20.9069

X (Samp) **10/16/2014, 11:59:55 AM** **Rack 4, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	10.5139	10.5391	10.4488
Al 308.215	210.274	209.966	211.631
As 188.980	35.2803	30.0561	25.4374

Label	Replicates Concentration		
B 249.678	110.485	109.374	109.923
Ba 389.178	10.6559	11.2714	11.7985
Be 313.042	4.2494	4.2812	4.3222
Ca 370.602	499.5	501.5	496.6
Cd 226.502	5.1379	5.4917	5.1432
Co 228.615	10.1617	10.3704	10.1873
Cr 267.716	10.9615	11.4277	12.0190
Cu 324.754	22.4328	22.5016	22.9871
Fe 271.441	55.4115	55.2768	56.9260
K 766.491	1066.98	1067.91	1066.59
Mg 279.078	509.816	510.083	513.053
Mn 257.610	11.7994	12.2325	12.5834
Mo 202.032	10.6248	10.1011	10.7344
Na 330.237	894.124	992.832	904.598
Ni 231.604	43.2462	42.0620	42.2477
Pb 220.353	12.2944	13.3985	12.3485
Sb 206.834	26.2848	23.2231	25.9123
Se 196.026	30.1215	29.4692	23.8886
Sn 189.925	53.6689	56.9389	55.6307
Sr 216.596	11.3077	10.4689	10.6549
Ti 334.941	10.2378	10.2418	10.3602
Tl 190.794	24.3538	28.8813	28.5051
V 292.401	10.8579	11.2591	11.9327
Zn 206.200	21.3774	24.4077	22.1272

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5006	ppb	0.0466	0.4	801.400
Al 308.215	210.624	ppb	0.8858	0.4	1789.86
As 188.980	30.2579	ppb	4.9246	16.3	13.8200
B 249.678	109.927	ppb	0.5558	0.5	1697.87
Ba 389.178	11.2419	ppb	0.5719	5.1	177.964
Be 313.042	4.2843	ppb	0.0365	0.9	6656.81
Ca 370.602	499.2	ppb	2.435	0.5	1168
Cd 226.502	5.2576	ppb	0.2028	3.9	210.185
Co 228.615	10.2398	ppb	0.1138	1.1	109.748
Cr 267.716	11.4694	ppb	0.5300	4.6	600.225
Cu 324.754	22.6405	ppb	0.3021	1.3	1838.09
Fe 271.441	55.8714	ppb	0.9157	1.6	86.7127
K 766.491	1067.16	ppb	0.6773	0.1	45976.4
Mg 279.078	510.984	ppb	1.7966	0.4	1260.07
Mn 257.610	12.2051	ppb	0.3927	3.2	2568.52
Mo 202.032	10.4867	ppb	0.3385	3.2	71.1574
Na 330.237	930.518	ppb	54.2194	5.8	65.9347
Ni 231.604	42.5186	ppb	0.6369	1.5	112.989
Pb 220.353	12.6804	ppb	0.6224	4.9	18.5012
Sb 206.834	25.1401	ppb	1.6705	6.6	34.2297
Se 196.026	27.8264	ppb	3.4259	12.3	13.4564
Sn 189.925	55.4128	ppb	1.6458	3.0	31.0605
Sr 216.596	10.8105	ppb	0.4405	4.1	119.572
Ti 334.941	10.2799	ppb	0.0695	0.7	2791.41
Tl 190.794	27.2467	ppb	2.5124	9.2	20.6837
V 292.401	11.3499	ppb	0.5431	4.8	285.090
Zn 206.200	22.6374	ppb	1.5782	7.0	21.5971

Cont Calib Verif (CCV) **10/16/2014, 12:04:14 PM** **Rack 4, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	481.350	478.307	480.344
Al 308.215	4787.10	4778.22	4786.73
As 188.980	456.673	459.124	461.339
B 249.678	479.439	483.151	485.658
Ba 389.178	4740.87	4721.71	4723.85
Be 313.042	484.249	485.332	485.302
Ca 370.602	4617	4591	4605
Cd 226.502	480.579	479.626	481.020
Co 228.615	483.966	482.744	483.393
Cr 267.716	4796.54	4777.93	4781.41
Cu 324.754	4955.34	4928.95	4936.12
Fe 271.441	4784.19	4795.42	4783.98
K 766.491	9955.36	9931.81	9947.00
Mg 279.078	4794.26	4776.45	4791.94
Mn 257.610	4868.88	4866.06	4879.61
Mo 202.032	475.880	477.398	476.812
Na 330.237	7596.49	7694.64	7617.59
Ni 231.604	2423.39	2421.93	2425.81
Pb 220.353	483.615	476.050	487.762
Sb 206.834	898.310	900.959	907.548
Se 196.026	4809.89	4811.88	4840.91
Sn 189.925	4807.18	4775.17	4789.13
Sr 216.596	2387.39	2383.17	2393.31
Ti 334.941	469.618	467.796	468.264
Tl 190.794	4782.51	4800.93	4806.41
V 292.401	4764.23	4760.06	4763.30
Zn 206.200	2402.80	2395.06	2404.83

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	480.000	ppb	1.5500	0.3	37071.1	96.00005
Al 308.215	4784.02	ppb	5.0260	0.1	32550.5	95.68033
As 188.980	459.045	ppb	2.3343	0.5	243.763	91.80908
B 249.678	482.749	ppb	3.1290	0.6	7337.24	96.54984
Ba 389.178	4728.81	ppb	10.4994	0.2	95875.9	94.57628
Be 313.042	484.961	ppb	0.6171	0.1	789358	96.99223
Ca 370.602	4605	ppb	12.70	0.3	10912	92.09071
Cd 226.502	480.409	ppb	0.7125	0.1	18009.5	96.08171
Co 228.615	483.367	ppb	0.6112	0.1	5042.78	96.67350
Cr 267.716	4785.29	ppb	9.8940	0.2	237461	95.70585
Cu 324.754	4940.14	ppb	13.6457	0.3	346687	98.80270
Fe 271.441	4787.86	ppb	6.5447	0.1	6845.36	95.75723
K 766.491	9944.72	ppb	11.9428	0.1	425742	99.44722
Mg 279.078	4787.55	ppb	9.6797	0.2	11558.1	95.75098
Mn 257.610	4871.51	ppb	7.1487	0.1	1007479	97.43027
Mo 202.032	476.697	ppb	0.7653	0.2	2951.31	95.33937
Na 330.237	7636.24	ppb	51.6624	0.7	325.597	101.81655
Ni 231.604	2423.71	ppb	1.9580	0.1	6708.61	96.94855
Pb 220.353	482.476	ppb	5.9389	1.2	691.610	96.49516
Sb 206.834	902.272	ppb	4.7569	0.5	1235.44	90.22720
Se 196.026	4820.89	ppb	17.3640	0.4	1859.83	96.41786
Sn 189.925	4790.49	ppb	16.0499	0.3	3144.30	95.80981
Sr 216.596	2387.96	ppb	5.0922	0.2	26034.3	95.51832

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	468.560	ppb	0.9460	0.2	129963	93.71194
Tl 190.794	4796.62	ppb	12.5182	0.3	4691.48	95.93233
V 292.401	4762.53	ppb	2.1891	0.0	123154	95.25058
Zn 206.200	2400.90	ppb	5.1590	0.2	2154.55	96.03598

Cont Calib Blank (CCB) **10/16/2014, 12:08:34 PM** **Rack 4, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.0890	-0.0262u	0.1618
Al 308.215	4.6819	5.3538	5.0975
As 188.980	7.8869	6.2566	6.6415
B 249.678	9.3767	8.9105	8.0839
Ba 389.178	0.6669	0.5990	0.5295
Be 313.042	0.0358	0.0387	0.0429
Ca 370.602	9.180	6.475	-0.6941u
Cd 226.502	-0.0547u	0.1837	-0.0063u
Co 228.615	0.3974	0.2339	-0.5237u
Cr 267.716	0.2713	0.3736	0.4250
Cu 324.754	0.4488	0.2158	0.6923
Fe 271.441	-0.6694u	3.0993	-3.8186u
K 766.491	-0.7889u	-0.9978u	-0.9032u
Mg 279.078	-1.0754u	-1.9524u	0.1713
Mn 257.610	0.4547	0.4902	0.5599
Mo 202.032	1.2831	0.5639	0.8996
Na 330.237	-55.2914u	34.2686	-90.9680u
Ni 231.604	-1.0272u	1.0950	1.1168
Pb 220.353	-1.9439u	1.7190	1.1134
Sb 206.834	3.2444	1.0504	6.4935
Se 196.026	-2.2151u	0.6473	0.1151
Sn 189.925	0.9042	1.2769	3.8350
Sr 216.596	-0.1403u	0.2389	0.1186
Ti 334.941	0.1154	0.1189	0.1219
Tl 190.794	-1.6434u	0.4443	2.8743
V 292.401	0.7342	0.5830	0.7622
Zn 206.200	0.8004	-0.4287u	-0.4703u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0749	ppb	0.0948	126.6	-4.6592	0.07486
Al 308.215	5.0444	ppb	0.3391	6.7	427.868	5.04438
As 188.980	6.9283	ppb	0.8522	12.3	1.3048	6.92831
B 249.678	8.7904	ppb	0.6548	7.4	168.449	8.79038
Ba 389.178	0.5985	ppb	0.0687	11.5	-38.6407	0.59847
Be 313.042	0.0392	ppb	0.0036	9.1	-253.372	0.03917
Ca 370.602	4.987	ppb	5.102	102.3	22.70	4.98706
Cd 226.502	0.0409	ppb	0.1260	308.3	14.7398	0.04088
Co 228.615	0.0359	ppb	0.4914	1369.5	3.5033	0.03588
Cr 267.716	0.3567	ppb	0.0782	21.9	48.8234	0.35665
Cu 324.754	0.4523	ppb	0.2383	52.7	281.643	0.45228
Fe 271.441	-0.4629	ppb	3.4636	748.2	6.1720	-0.46291
K 766.491	-0.8967	ppb	0.1046	11.7	286.725	-0.89666
Mg 279.078	-0.9522	ppb	1.0672	112.1	16.6079	-0.95218
Mn 257.610	0.5016	ppb	0.0535	10.7	144.419	0.50159
Mo 202.032	0.9155	ppb	0.3599	39.3	11.9405	0.91554

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-37.3302	ppb	64.5213	172.8	20.2650	-37.33024
Ni 231.604	0.3949	ppb	1.2315	311.9	-3.6826	0.39486
Pb 220.353	0.2962	ppb	1.9635	663.0	0.8570	0.29615
Sb 206.834	3.5961	ppb	2.7385	76.2	5.8527	3.59611
Se 196.026	-0.4843	ppb	1.5224	314.4	2.5537	-0.48426
Sn 189.925	2.0054	ppb	1.5955	79.6	-4.0544	2.00535
Sr 216.596	0.0724	ppb	0.1938	267.6	3.1587	0.07242
Ti 334.941	0.1187	ppb	0.0033	2.8	-28.9236	0.11873
Tl 190.794	0.5584	ppb	2.2610	404.9	-5.4180	0.55841
V 292.401	0.6931	ppb	0.0964	13.9	10.7059	0.69315
Zn 206.200	-0.0328	ppb	0.7219	2197.9	1.1760	-0.03285

CRI (Samp) **10/16/2014, 12:13:27 PM** **Rack 4, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	10.5934	10.5794	10.6658
Al 308.215	217.682	219.327	216.633
As 188.980	22.7135	22.6786	31.4690
B 249.678	106.063	106.659	105.913
Ba 389.178	9.5598	9.8366	10.4492
Be 313.042	4.2552	4.2561	4.2267
Ca 370.602	538.7	541.8	542.5
Cd 226.502	4.9070	5.0069	4.9276
Co 228.615	9.9872	10.8377	10.3120
Cr 267.716	10.3839	10.3612	10.4360
Cu 324.754	21.8044	21.8118	21.3776
Fe 271.441	48.4493	52.2654	54.3924
K 766.491	1089.63	1090.18	1079.26
Mg 279.078	520.609	518.680	520.922
Mn 257.610	11.3231	11.3388	11.2175
Mo 202.032	10.2642	10.2687	9.5543
Na 330.237	946.137	794.141	890.411
Ni 231.604	41.8807	42.2246	42.3759
Pb 220.353	11.3271	11.6139	11.3448
Sb 206.834	20.4120	24.1523	20.5699
Se 196.026	22.8892	24.3105	27.5140
Sn 189.925	52.5984	55.2414	56.3909
Sr 216.596	9.9310	9.6998	9.8542
Ti 334.941	10.4254	10.4073	10.3790
Tl 190.794	24.7636	25.6428	26.4599
V 292.401	10.5564	10.6148	10.4256
Zn 206.200	21.2932	20.7586	20.5410

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6129	ppb	0.0464	0.4	810.113
Al 308.215	217.881	ppb	1.3580	0.6	1837.75
As 188.980	25.6204	ppb	5.0651	19.8	11.3322
B 249.678	106.212	ppb	0.3948	0.4	1641.67
Ba 389.178	9.9485	ppb	0.4551	4.6	151.733
Be 313.042	4.2460	ppb	0.0167	0.4	6594.53
Ca 370.602	541.0	ppb	1.984	0.4	1265
Cd 226.502	4.9472	ppb	0.0528	1.1	198.540
Co 228.615	10.3790	ppb	0.4292	4.1	111.205

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	10.3937	ppb	0.0383	0.4	546.852
Cu 324.754	21.6646	ppb	0.2486	1.1	1769.63
Fe 271.441	51.7024	ppb	3.0113	5.8	80.8286
K 766.491	1086.36	ppb	6.1528	0.6	46797.5
Mg 279.078	520.071	ppb	1.2143	0.2	1282.17
Mn 257.610	11.2931	ppb	0.0659	0.6	2379.96
Mo 202.032	10.0291	ppb	0.4111	4.1	68.3264
Na 330.237	876.896	ppb	76.8941	8.8	63.4300
Ni 231.604	42.1604	ppb	0.2538	0.6	111.996
Pb 220.353	11.4286	ppb	0.1607	1.4	16.7159
Sb 206.834	21.7114	ppb	2.1154	9.7	29.7021
Se 196.026	24.9046	ppb	2.3690	9.5	12.3312
Sn 189.925	54.7435	ppb	1.9447	3.6	30.6205
Sr 216.596	9.8283	ppb	0.1178	1.2	108.868
Ti 334.941	10.4039	ppb	0.0234	0.2	2825.83
Tl 190.794	25.6221	ppb	0.8483	3.3	19.0961
V 292.401	10.5323	ppb	0.0968	0.9	264.041
Zn 206.200	20.8643	ppb	0.3871	1.9	20.0017

X (Samp) **10/16/2014, 12:17:48 PM** **Rack 4, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	10.4388	10.6557	10.6942
Al 308.215	214.323	215.434	214.215
As 188.980	25.8237	28.7364	19.7554
B 249.678	107.396	107.008	107.706
Ba 389.178	11.0013	9.5896	10.4105
Be 313.042	4.2931	4.2721	4.2843
Ca 370.602	517.0	520.3	519.4
Cd 226.502	5.2288	5.1012	5.1686
Co 228.615	10.4555	10.3756	10.4955
Cr 267.716	10.5259	10.4255	10.7684
Cu 324.754	21.9395	21.8465	22.2195
Fe 271.441	50.3632	57.9766	53.7570
K 766.491	1104.78	1102.44	1104.38
Mg 279.078	569.779	564.484	572.430
Mn 257.610	11.1977	11.2044	11.2118
Mo 202.032	10.4785	10.6678	10.7324
Na 330.237	1390.19	1265.36	1277.18
Ni 231.604	43.2130	43.3043	42.9791
Pb 220.353	10.2376	10.8678	10.6470
Sb 206.834	24.1091	22.7720	26.5628
Se 196.026	26.9675	27.8477	27.9173
Sn 189.925	52.6185	53.4875	52.1497
Sr 216.596	10.6103	10.5786	11.0958
Ti 334.941	10.2981	10.2770	10.3197
Tl 190.794	28.2054	25.4971	27.7956
V 292.401	10.3861	10.4419	10.6521
Zn 206.200	21.3563	22.6299	20.5742

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5962	ppb	0.1377	1.3	808.790
Al 308.215	214.658	ppb	0.6748	0.3	1816.48

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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

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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

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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	655322

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

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

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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

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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

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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

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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

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

E10202014.wvq. All Data Report 10/21/2014, 9:27:38 AM

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

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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

E10202014.wvq. All Data Report 10/21/2014, 9:27:38 AM

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

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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.: 680-106200-1

SDG No.: 680-106200-01

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-15	CV0005E-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			
680-106200-B-6	CV0005AA-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.19 g	100 mL			
680-106200-B-12	CV0005BB-CS18	3050B, 6010C	T	CALC NOT SET TO RUN	1.17 g	100 mL			
680-106200-B-9	CV0005AA-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL			
680-106200-B-14	CV0005E-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.15 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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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-B-1	CV0005Y-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-106200-A-1 MS	CV0005Y-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL	1 mL	1 mL	1 mL
680-106200-A-1 MSD	CV0005Y-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL	1 mL	1 mL	1 mL
680-106200-B-4	CV0005Y-CS18	3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL			
680-106200-B-8	CV0005AA-CS18	3050B, 6010C	T	CALC NOT SET TO RUN	1.17 g	100 mL			
680-106200-B-17	CV0005E-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-106200-B-5	CV0005Y-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-106200-B-3	CV0005Y-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-106200-B-2	CV0005Y-CSD6	3050B, 6010C	T	CALC NOT SET TO RUN	1.10 g	100 mL			
680-106200-B-11	CV0005BB-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	1.14 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.: 680-106200-1

SDG No.: 680-106200-01

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.: 680-106200-1

SDG No.: 680-106200-01

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-18 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	100 mL	1 mL	1 mL	1 mL
680-106200-B-18 MSD		3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL	1 mL	1 mL	1 mL
680-106200-B-13	CV0005BB-CS24	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-106200-B-7	CV0005AA-CS12	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			
680-106200-B-10	CV0005BB-CS6	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			
680-106200-B-16	CV0005E-CS18	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL			

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-106200-1

SDG No.: 680-106200-01

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

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 89200

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	PROJECT NO.	PROJECT LOCATION (STATE)
2014078 35th Ave	2014078-106	AL

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Harvey		

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Russell/35th Ave		

CLIENT NAME	CLIENT E-MAIL
OTie	

CLIENT ADDRESS

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 1 OF 3

STANDARD REPORT DELIVERY ( )

DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) (✓)

DATE DUE Friday

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, Pb, As	PAHs									REMARKS
								PRESERVATIVE										
								NUMBER OF CONTAINERS SUBMITTED										
10/9/14	09:00	CV0005Y-CS6	C		X			X	X									MS+MSD
10/9/14	09:00	CV0005Y-CSD6	C		X			X	X									
10/9/14	09:10	CV0005Y-CS12	C		X			X	X									
10/9/14	09:20	CV0005Y-CS18	C		X			X	X									
10/9/14	09:30	CV0005Y-CS24	C		X			X	X									
10/8/14	14:00	CV0005AA-CS6	C		X			X	X									
10/8/14	14:10	CV0005AA-CS12	C		X			X	X									
10/8/14	14:20	CV0005AA-CS18	C		X			X	X									
10/8/14	14:30	CV0005AA-CS24	C		X			X	X									
10/8/14	12:30	CV0005BB-CS6	C		X			X	X									
10/8/14	12:40	CV0005BB-CS12	C		X			X	X									
10/8/14	12:50	CV0005BB-CS18	C		X			X	X									

680-106200 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	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
	10/11/14	0933	YES ( ) NO ( )		680 106200	5.2/1.8/4.8/0.8°C

TAL8240-680 (1008)

10/21/2014

Serial Number 89199

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	PROJECT NO.: 20140718-1006	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 Hearlan	CLIENT PHONE	CLIENT FAX	DATE DUE
CLIENT NAME: OTIE	CLIENT E-MAIL		EXPEDITED REPORT DELIVERY (SURCHARGE) ✓
CLIENT ADDRESS			DATE DUE 7 day
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: Metals (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, ...)	Metals (Al, Fe, As, Pb)	PAHs								REMARKS
10/8/14	13:00	CV0005BB-CS24	C		X			X	X								
10/8/14	09:20	CV0005E-CS6	C		X			X	X								
10/8/14	09:30	CV0005E-CS12	C		X			X	X								
10/8/14	09:40	CV0005E-CS18	C		X			X	X								
10/8/14	09:50	CV0005E-CS24	C		X			X	X								
10/9/14	13:40	CV0971WW-CS6	C		X			X	X								MS/MSD IF possible
10/9/14	13:40	CV0971WW-CSD6	C		X			X	X								
10/9/14	13:50	CV0971WW-CS12	C		X			X	X								
10/9/14	14:00	CV0971WW-CS18	C		X			X	X								
10/9/14	14:10	CV0971WW-CS24	C		X			X	X								
10/9/14	10:10	[redacted] CV0005AC-CS6	C		X			X	X								
10/9/14	10:20	CV0005AC-CS12	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

TAL8240-680 (1008)

10/21/2014

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-1
SDG Number: 680-106200-01

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: 680-106200-1
TestAmerica Sample Delivery Group: 680-106200-01
Client Project/Site: 35th Avenue Superfund Site

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

Attn: Ms. Limari F Krebs

Authorized for release by:
10/21/2014 3:15:13 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: 680-106200-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-106200-1

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

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

RECEIPT

The samples were received on 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 CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5), CV0005AA-CS6 (680-106200-6), CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS24 (680-106200-9), CV0005BB-CS6 (680-106200-10), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005E-CS6 (680-106200-14), CV0005E-CS12 (680-106200-15), CV0005E-CS18 (680-106200-16) and CV0005E-CS24 (680-106200-17) 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): CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS6 (680-106200-6), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005BB-CS6 (680-106200-10), CV0005E-CS12 (680-106200-15), CV0005E-CS24 (680-106200-17), CV0005E-CS6 (680-106200-14), CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005E-CS18 (680-106200-16).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to abundance of target analytes: CV0005Y-CS6 (680-106200-1 MS), CV0005Y-CS6 (680-106200-1 MSD). As such, surrogate and MS/MSD spike recoveries were diluted out and are not reported.

Method(s) 8270D_LL_PAH: The following sample(s) required a dilution due to the nature of the sample matrix: CV0005AA-CS24 (680-106200-9), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5). Because of this dilution, the surrogate spikes are not reported.

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV0005AA-CS24 (680-106200-9), CV0005Y-CS18 (680-106200-4). Elevated reporting limits (RLs) are provided.

Several analytes have recovery outside criteria low for the MS and MSD of sample CV0005Y-CS6 (680-106200-1) in batch 680-353689. Refer to the QC report for details.

METALS (ICP)

Samples CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5), CV0005AA-CS6 (680-106200-6), CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS24 (680-106200-9), CV0005BB-CS6 (680-106200-10), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005E-CS6 (680-106200-14), CV0005E-CS12 (680-106200-15), CV0005E-CS18 (680-106200-16) and CV0005E-CS24 (680-106200-17) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Several metals have recoveries outside criteria high for the MS of sample CV0005Y-CS6 (680-106200-1) in batch 680-354509.

Job ID: 680-106200-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Iron recovery is outside criteria low for the MSD of sample CV0005Y-CS6 (680-106200-1) in batch 680-354509. Aluminum, Arsenic and Lead recovery is outside criteria high.

Refer to the QC report for details.

Samples CV0005Y-CS6 (680-106200-1)[10X] and CV0005BB-CS12 (680-106200-11)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

PERCENT SOLIDS/MOISTURE

Samples CV0005Y-CS6 (680-106200-1), CV0005Y-CSD6 (680-106200-2), CV0005Y-CS12 (680-106200-3), CV0005Y-CS18 (680-106200-4), CV0005Y-CS24 (680-106200-5), CV0005AA-CS6 (680-106200-6), CV0005AA-CS12 (680-106200-7), CV0005AA-CS18 (680-106200-8), CV0005AA-CS24 (680-106200-9), CV0005BB-CS6 (680-106200-10), CV0005BB-CS12 (680-106200-11), CV0005BB-CS18 (680-106200-12), CV0005BB-CS24 (680-106200-13), CV0005E-CS6 (680-106200-14), CV0005E-CS12 (680-106200-15), CV0005E-CS18 (680-106200-16) and CV0005E-CS24 (680-106200-17) 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: 680-106200-1
SDG: 680-106200-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-106200-1	CV0005Y-CS6	Solid	10/09/14 09:00	10/11/14 09:33
680-106200-2	CV0005Y-CSD6	Solid	10/09/14 09:00	10/11/14 09:33
680-106200-3	CV0005Y-CS12	Solid	10/09/14 09:10	10/11/14 09:33
680-106200-4	CV0005Y-CS18	Solid	10/09/14 09:20	10/11/14 09:33
680-106200-5	CV0005Y-CS24	Solid	10/09/14 09:30	10/11/14 09:33
680-106200-6	CV0005AA-CS6	Solid	10/08/14 14:00	10/11/14 09:33
680-106200-7	CV0005AA-CS12	Solid	10/08/14 14:10	10/11/14 09:33
680-106200-8	CV0005AA-CS18	Solid	10/08/14 14:20	10/11/14 09:33
680-106200-9	CV0005AA-CS24	Solid	10/08/14 14:30	10/11/14 09:33
680-106200-10	CV0005BB-CS6	Solid	10/08/14 12:30	10/11/14 09:33
680-106200-11	CV0005BB-CS12	Solid	10/08/14 12:40	10/11/14 09:33
680-106200-12	CV0005BB-CS18	Solid	10/08/14 12:50	10/11/14 09:33
680-106200-13	CV0005BB-CS24	Solid	10/08/14 13:00	10/11/14 09:33
680-106200-14	CV0005E-CS6	Solid	10/08/14 09:20	10/11/14 09:33
680-106200-15	CV0005E-CS12	Solid	10/08/14 09:30	10/11/14 09:33
680-106200-16	CV0005E-CS18	Solid	10/08/14 09:40	10/11/14 09:33
680-106200-17	CV0005E-CS24	Solid	10/08/14 09:50	10/11/14 09:33

Method Summary

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Method	Method Description	Protocol	Laboratory
8270D_LL_PAH	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005Y-CS6

Lab Sample ID: 680-106200-1

Date Collected: 10/09/14 09:00
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	150	U	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Acenaphthylene	150	U	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Anthracene	**160**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Benzo[a]anthracene	**650**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Benzo[a]pyrene	**630**		150	26	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Benzo[b]fluoranthene	**990**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Benzo[g,h,i]perylene	**430**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Benzo[k]fluoranthene	**430**		150	44	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Chrysene	**860**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Dibenz(a,h)anthracene	**210**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Fluoranthene	**1200**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Fluorene	150	U	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Indeno[1,2,3-cd]pyrene	**350**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
1-Methylnaphthalene	**190**		150	68	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
2-Methylnaphthalene	**210**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Naphthalene	**140**	**J**	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Phenanthrene	**810**		150	53	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20
Pyrene	**1200**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 16:27	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 16:27*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		22	11	mg/Kg	☼	10/13/14 12:36	10/18/14 00:07	1
Arsenic	**28**		2.2	0.65	mg/Kg	☼	10/13/14 12:36	10/18/14 00:07	1
Iron	**47000**		22	7.7	mg/Kg	☼	10/13/14 12:36	10/18/14 00:07	1
Lead	**220**		11	5.8	mg/Kg	☼	10/13/14 12:36	10/20/14 16:00	10

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005Y-CSD6

Lab Sample ID: 680-106200-2

Date Collected: 10/09/14 09:00
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 88.7

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Acenaphthylene	150	U	150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Anthracene	150	U	150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Benzo[a]anthracene	**350**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Benzo[a]pyrene	**400**		150	27	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Benzo[b]fluoranthene	**670**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Benzo[g,h,i]perylene	**290**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Benzo[k]fluoranthene	**260**		150	45	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Chrysene	**520**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Dibenz(a,h)anthracene	**150**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Fluoranthene	**610**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Fluorene	150	U	150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Indeno[1,2,3-cd]pyrene	**240**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
1-Methylnaphthalene	**230**		150	70	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
2-Methylnaphthalene	**240**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Naphthalene	**160**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Phenanthrene	**470**		150	54	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20
Pyrene	**620**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 16:49	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 16:49*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		20	10	mg/Kg	☼	10/13/14 12:36	10/18/14 01:20	1
Arsenic	**27**		2.0	0.60	mg/Kg	☼	10/13/14 12:36	10/18/14 01:20	1
Iron	**42000**		20	7.2	mg/Kg	☼	10/13/14 12:36	10/18/14 01:20	1
Lead	**190**		1.0	0.54	mg/Kg	☼	10/13/14 12:36	10/18/14 01:20	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005Y-CS12

Lab Sample ID: 680-106200-3

Date Collected: 10/09/14 09:10
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 88.2

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Acenaphthylene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Anthracene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Benzo[a]anthracene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Benzo[a]pyrene	**18**	**J**	76	14	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Benzo[b]fluoranthene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Benzo[g,h,i]perylene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Benzo[k]fluoranthene	76	U	76	23	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Chrysene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Dibenz(a,h)anthracene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Fluoranthene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Fluorene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Indeno[1,2,3-cd]pyrene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
1-Methylnaphthalene	76	U	76	35	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
2-Methylnaphthalene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Naphthalene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Phenanthrene	76	U	76	27	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10
Pyrene	76	U	76	37	ug/Kg	☼	10/14/14 10:14	10/15/14 17:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 17:12*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		22	11	mg/Kg	☼	10/13/14 12:36	10/18/14 01:12	1
Arsenic	**23**		2.2	0.66	mg/Kg	☼	10/13/14 12:36	10/18/14 01:12	1
Iron	**41000**		22	7.8	mg/Kg	☼	10/13/14 12:36	10/18/14 01:12	1
Lead	**34**		1.1	0.59	mg/Kg	☼	10/13/14 12:36	10/18/14 01:12	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005Y-CS18

Lab Sample ID: 680-106200-4

Date Collected: 10/09/14 09:20
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 86.6

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Acenaphthylene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Anthracene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Benzo[a]anthracene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Benzo[a]pyrene	77	U	77	14	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Benzo[b]fluoranthene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Benzo[g,h,i]perylene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Benzo[k]fluoranthene	77	U	77	23	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Chrysene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Dibenz(a,h)anthracene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Fluoranthene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Fluorene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Indeno[1,2,3-cd]pyrene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
1-Methylnaphthalene	77	U	77	36	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
2-Methylnaphthalene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Naphthalene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Phenanthrene	77	U	77	28	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10
Pyrene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 17:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 17:34*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		21	11	mg/Kg	☼	10/13/14 12:36	10/18/14 00:46	1
Arsenic	**25**		2.1	0.63	mg/Kg	☼	10/13/14 12:36	10/18/14 00:46	1
Iron	**36000**		21	7.4	mg/Kg	☼	10/13/14 12:36	10/18/14 00:46	1
Lead	**27**		1.1	0.56	mg/Kg	☼	10/13/14 12:36	10/18/14 00:46	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005Y-CS24

Lab Sample ID: 680-106200-5

Date Collected: 10/09/14 09:30
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 85.2

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Acenaphthylene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Anthracene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Benzo[a]anthracene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Benzo[a]pyrene	78	U	78	14	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Benzo[b]fluoranthene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Benzo[g,h,i]perylene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Benzo[k]fluoranthene	78	U	78	23	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Chrysene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Dibenz(a,h)anthracene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Fluoranthene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Fluorene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Indeno[1,2,3-cd]pyrene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
1-Methylnaphthalene	78	U	78	36	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
2-Methylnaphthalene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Naphthalene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Phenanthrene	**28**	**J**	78	28	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10
Pyrene	78	U	78	39	ug/Kg	☼	10/14/14 10:14	10/15/14 17:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 17:56*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16000**		23	12	mg/Kg	☼	10/13/14 12:36	10/18/14 01:07	1
Arsenic	**34**		2.3	0.68	mg/Kg	☼	10/13/14 12:36	10/18/14 01:07	1
Iron	**41000**		23	8.1	mg/Kg	☼	10/13/14 12:36	10/18/14 01:07	1
Lead	**26**		1.2	0.61	mg/Kg	☼	10/13/14 12:36	10/18/14 01:07	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005AA-CS6

Lab Sample ID: 680-106200-6

Date Collected: 10/08/14 14:00
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 90.6

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Acenaphthylene	150	U	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Anthracene	150	U	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Benzo[a]anthracene	**360**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Benzo[a]pyrene	**440**		150	26	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Benzo[b]fluoranthene	**630**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Benzo[g,h,i]perylene	**280**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Benzo[k]fluoranthene	**250**		150	44	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Chrysene	**480**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Dibenz(a,h)anthracene	**110**	**J**	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Fluoranthene	**560**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Fluorene	150	U	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Indeno[1,2,3-cd]pyrene	**220**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
1-Methylnaphthalene	150	U	150	68	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
2-Methylnaphthalene	150	U	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Naphthalene	150	U	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Phenanthrene	**240**		150	53	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20
Pyrene	**630**		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 18:18	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 18:18*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		19	9.3	mg/Kg	☼	10/13/14 09:39	10/15/14 20:31	1
Arsenic	**29**		1.9	0.55	mg/Kg	☼	10/13/14 09:39	10/15/14 20:31	1
Iron	**40000**		19	6.5	mg/Kg	☼	10/13/14 09:39	10/15/14 20:31	1
Lead	**110**		0.93	0.49	mg/Kg	☼	10/13/14 09:39	10/15/14 20:31	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005AA-CS12

Lab Sample ID: 680-106200-7

Date Collected: 10/08/14 14:10
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 90.8

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	51	J	74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Acenaphthylene	74	U	74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Anthracene	110		74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Benzo[a]anthracene	400		74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Benzo[a]pyrene	360		74	13	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Benzo[b]fluoranthene	510		74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Benzo[g,h,i]perylene	210		74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Benzo[k]fluoranthene	220		74	22	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Chrysene	470		74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Dibenz(a,h)anthracene	41	J	74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Fluoranthene	930		74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Fluorene	42	J	74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Indeno[1,2,3-cd]pyrene	160		74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
1-Methylnaphthalene	41	J	74	34	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
2-Methylnaphthalene	74	U	74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Naphthalene	74	U	74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Phenanthrene	560		74	26	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10
Pyrene	730		74	36	ug/Kg	☼	10/14/14 10:14	10/15/14 18:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 18:40*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		21	11	mg/Kg	☼	10/13/14 14:24	10/15/14 18:06	1
Arsenic	31		2.1	0.62	mg/Kg	☼	10/13/14 14:24	10/15/14 18:06	1
Iron	55000		21	7.4	mg/Kg	☼	10/13/14 14:24	10/15/14 18:06	1
Lead	28		1.1	0.56	mg/Kg	☼	10/13/14 14:24	10/15/14 18:06	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005AA-CS18

Lab Sample ID: 680-106200-8

Date Collected: 10/08/14 14:20
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 88.7

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150		75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Acenaphthylene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Anthracene	310		75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Benzo[a]anthracene	700		75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Benzo[a]pyrene	530		75	13	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Benzo[b]fluoranthene	690		75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Benzo[g,h,i]perylene	290		75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Benzo[k]fluoranthene	300		75	22	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Chrysene	570		75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Dibenz(a,h)anthracene	85		75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Fluoranthene	1500		75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Fluorene	150		75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Indeno[1,2,3-cd]pyrene	240		75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
1-Methylnaphthalene	40	J	75	35	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
2-Methylnaphthalene	41	J	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Naphthalene	71	J	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Phenanthrene	1400		75	27	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10
Pyrene	1300		75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:02	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 19:02*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		19	9.6	mg/Kg	☼	10/13/14 12:36	10/18/14 00:55	1
Arsenic	29		1.9	0.57	mg/Kg	☼	10/13/14 12:36	10/18/14 00:55	1
Iron	71000		19	6.7	mg/Kg	☼	10/13/14 12:36	10/18/14 00:55	1
Lead	38		0.96	0.51	mg/Kg	☼	10/13/14 12:36	10/18/14 00:55	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005AA-CS24

Lab Sample ID: 680-106200-9

Date Collected: 10/08/14 14:30
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 88.4

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Acenaphthylene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Anthracene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Benzo[a]anthracene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Benzo[a]pyrene	75	U	75	14	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Benzo[b]fluoranthene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Benzo[g,h,i]perylene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Benzo[k]fluoranthene	75	U	75	23	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Chrysene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Dibenz(a,h)anthracene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Fluoranthene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Fluorene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Indeno[1,2,3-cd]pyrene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
1-Methylnaphthalene	75	U	75	35	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
2-Methylnaphthalene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Naphthalene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Phenanthrene	75	U	75	27	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10
Pyrene	75	U	75	37	ug/Kg	☼	10/14/14 10:14	10/15/14 19:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 19:24*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		21	10	mg/Kg	☼	10/13/14 09:39	10/15/14 21:06	1
Arsenic	**17**		2.1	0.62	mg/Kg	☼	10/13/14 09:39	10/15/14 21:06	1
Iron	**32000**		21	7.3	mg/Kg	☼	10/13/14 09:39	10/15/14 21:06	1
Lead	**14**		1.0	0.56	mg/Kg	☼	10/13/14 09:39	10/15/14 21:06	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005BB-CS6

Lab Sample ID: 680-106200-10

Date Collected: 10/08/14 12:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 87.2

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Acenaphthylene	**100**	**J**	150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Anthracene	**90**	**J**	150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Benzo[a]anthracene	**550**		150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Benzo[a]pyrene	**650**		150	27	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Benzo[b]fluoranthene	**920**		150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Benzo[g,h,i]perylene	**460**		150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Benzo[k]fluoranthene	**390**		150	46	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Chrysene	**710**		150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Dibenz(a,h)anthracene	**96**	**J**	150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Fluoranthene	**1000**		150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Fluorene	150	U	150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Indeno[1,2,3-cd]pyrene	**350**		150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
1-Methylnaphthalene	**88**	**J**	150	71	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
2-Methylnaphthalene	**100**	**J**	150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Naphthalene	**97**	**J**	150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Phenanthrene	**460**		150	55	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20
Pyrene	**960**		150	75	ug/Kg	☼	10/14/14 10:14	10/15/14 19:47	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 19:47*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15000**		22	11	mg/Kg	☼	10/13/14 14:24	10/15/14 18:31	1
Arsenic	**40**		2.2	0.65	mg/Kg	☼	10/13/14 14:24	10/15/14 18:31	1
Iron	**40000**		22	7.7	mg/Kg	☼	10/13/14 14:24	10/15/14 18:31	1
Lead	**92**		1.1	0.58	mg/Kg	☼	10/13/14 14:24	10/15/14 18:31	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005BB-CS12

Lab Sample ID: 680-106200-11

Date Collected: 10/08/14 12:40
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 85.9

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	160	U	160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Acenaphthylene	160	U	160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Anthracene	160	U	160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Benzo[a]anthracene	**230**		160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Benzo[a]pyrene	**230**		160	28	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Benzo[b]fluoranthene	**330**		160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Benzo[g,h,i]perylene	**150**	**J**	160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Benzo[k]fluoranthene	**130**	**J**	160	46	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Chrysene	**270**		160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Dibenz(a,h)anthracene	160	U	160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Fluoranthene	**480**		160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Fluorene	160	U	160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Indeno[1,2,3-cd]pyrene	**130**	**J**	160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
1-Methylnaphthalene	160	U	160	72	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
2-Methylnaphthalene	160	U	160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Naphthalene	160	U	160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Phenanthrene	**290**		160	56	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20
Pyrene	**470**		160	76	ug/Kg	☼	10/14/14 10:14	10/15/14 20:09	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 20:09*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15000**		20	10	mg/Kg	☼	10/13/14 12:36	10/18/14 01:25	1
Arsenic	**58**		2.0	0.60	mg/Kg	☼	10/13/14 12:36	10/18/14 01:25	1
Iron	**55000**		20	7.1	mg/Kg	☼	10/13/14 12:36	10/18/14 01:25	1
Lead	**110**		10	5.4	mg/Kg	☼	10/13/14 12:36	10/20/14 16:21	10

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005BB-CS18

Lab Sample ID: 680-106200-12

Date Collected: 10/08/14 12:50
Matrix: Solid
Date Received: 10/11/14 09:33
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	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Acenaphthylene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Anthracene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Benzo[a]anthracene	**75**	**J**	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Benzo[a]pyrene	**86**		77	14	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Benzo[b]fluoranthene	**120**		77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Benzo[g,h,i]perylene	**75**	**J**	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Benzo[k]fluoranthene	**50**	**J**	77	23	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Chrysene	**110**		77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Dibenz(a,h)anthracene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Fluoranthene	**120**		77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Fluorene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Indeno[1,2,3-cd]pyrene	**49**	**J**	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
1-Methylnaphthalene	77	U	77	36	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
2-Methylnaphthalene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Naphthalene	77	U	77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Phenanthrene	**58**	**J**	77	28	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10
Pyrene	**120**		77	38	ug/Kg	☼	10/14/14 10:14	10/15/14 20:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 20:31*	*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 20:53	1
Arsenic	**39**		2.0	0.58	mg/Kg	☼	10/13/14 09:39	10/15/14 20:53	1
Iron	**36000**		20	6.9	mg/Kg	☼	10/13/14 09:39	10/15/14 20:53	1
Lead	**58**		0.98	0.52	mg/Kg	☼	10/13/14 09:39	10/15/14 20:53	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005BB-CS24

Lab Sample ID: 680-106200-13

Date Collected: 10/08/14 13:00
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 89.1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Acenaphthylene	150	U	150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Anthracene	**83**	**J**	150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Benzo[a]anthracene	**320**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Benzo[a]pyrene	**320**		150	27	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Benzo[b]fluoranthene	**430**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Benzo[g,h,i]perylene	**210**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Benzo[k]fluoranthene	**210**		150	45	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Chrysene	**390**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Dibenz(a,h)anthracene	**94**	**J**	150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Fluoranthene	**590**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Fluorene	150	U	150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Indeno[1,2,3-cd]pyrene	**150**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
1-Methylnaphthalene	150	U	150	69	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
2-Methylnaphthalene	150	U	150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Naphthalene	150	U	150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Phenanthrene	**370**		150	54	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20
Pyrene	**570**		150	74	ug/Kg	☼	10/14/14 10:14	10/15/14 20:53	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 20:53*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**19000**		22	11	mg/Kg	☼	10/13/14 14:24	10/15/14 17:57	1
Arsenic	**37**		2.2	0.66	mg/Kg	☼	10/13/14 14:24	10/15/14 17:57	1
Iron	**38000**		22	7.8	mg/Kg	☼	10/13/14 14:24	10/15/14 17:57	1
Lead	**140**		1.1	0.59	mg/Kg	☼	10/13/14 14:24	10/15/14 17:57	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005E-CS6

Lab Sample ID: 680-106200-14

Date Collected: 10/08/14 09:20
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 91.8

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Acenaphthylene	460		140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Anthracene	240		140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Benzo[a]anthracene	3100		140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Benzo[a]pyrene	3100		140	26	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Benzo[b]fluoranthene	4800		140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Benzo[g,h,i]perylene	2000		140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Benzo[k]fluoranthene	1900		140	43	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Chrysene	3500		140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Dibenz(a,h)anthracene	740		140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Fluoranthene	6000		140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Fluorene	84	J	140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Indeno[1,2,3-cd]pyrene	1400		140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
1-Methylnaphthalene	94	J	140	67	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
2-Methylnaphthalene	110	J	140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Naphthalene	110	J	140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Phenanthrene	930		140	52	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20
Pyrene	6300		140	71	ug/Kg	☼	10/14/14 10:14	10/15/14 21:15	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 21:15*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		19	9.5	mg/Kg	☼	10/13/14 09:39	10/15/14 21:10	1
Arsenic	29		1.9	0.56	mg/Kg	☼	10/13/14 09:39	10/15/14 21:10	1
Iron	42000		19	6.6	mg/Kg	☼	10/13/14 09:39	10/15/14 21:10	1
Lead	130		0.95	0.50	mg/Kg	☼	10/13/14 09:39	10/15/14 21:10	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005E-CS12

Lab Sample ID: 680-106200-15

Date Collected: 10/08/14 09:30
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	150	U	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Acenaphthylene	580		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Anthracene	240		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Benzo[a]anthracene	2100		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Benzo[a]pyrene	2800		150	27	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Benzo[b]fluoranthene	3800		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Benzo[g,h,i]perylene	1900		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Benzo[k]fluoranthene	1400		150	44	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Chrysene	2600		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Dibenz(a,h)anthracene	680		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Fluoranthene	3000		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Fluorene	87	J	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Indeno[1,2,3-cd]pyrene	1500		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
1-Methylnaphthalene	74	J	150	69	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
2-Methylnaphthalene	85	J	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Naphthalene	100	J	150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Phenanthrene	750		150	53	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20
Pyrene	3600		150	73	ug/Kg	☼	10/14/14 10:14	10/15/14 21:38	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 21:38*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		21	11	mg/Kg	☼	10/13/14 09:39	10/15/14 20:23	1
Arsenic	30		2.1	0.63	mg/Kg	☼	10/13/14 09:39	10/15/14 20:23	1
Iron	33000		21	7.5	mg/Kg	☼	10/13/14 09:39	10/15/14 20:23	1
Lead	120		1.1	0.57	mg/Kg	☼	10/13/14 09:39	10/15/14 20:23	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005E-CS18

Lab Sample ID: 680-106200-16

Date Collected: 10/08/14 09:40
Date Received: 10/11/14 09:33

Matrix: Solid
Percent Solids: 90.2

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	370	U	370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Acenaphthylene	1200		370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Anthracene	650		370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Benzo[a]anthracene	7200		370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Benzo[a]pyrene	6800		370	66	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Benzo[b]fluoranthene	10000		370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Benzo[g,h,i]perylene	4600		370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Benzo[k]fluoranthene	3400		370	110	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Chrysene	7400		370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Dibenz(a,h)anthracene	1600		370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Fluoranthene	11000		370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Fluorene	220	J	370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Indeno[1,2,3-cd]pyrene	4000		370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
1-Methylnaphthalene	370	U	370	170	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
2-Methylnaphthalene	370	U	370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Naphthalene	230	J	370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Phenanthrene	2700		370	130	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50
Pyrene	13000		370	180	ug/Kg	☼	10/14/14 10:14	10/16/14 10:46	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/16/14 10:46*	*50*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		21	10	mg/Kg	☼	10/13/14 14:24	10/15/14 18:44	1
Arsenic	38		2.1	0.61	mg/Kg	☼	10/13/14 14:24	10/15/14 18:44	1
Iron	39000		21	7.2	mg/Kg	☼	10/13/14 14:24	10/15/14 18:44	1
Lead	230		1.0	0.54	mg/Kg	☼	10/13/14 14:24	10/15/14 18:44	1

Client Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005E-CS24
Date Collected: 10/08/14 09:50
Date Received: 10/11/14 09:33

Lab Sample ID: 680-106200-17
Matrix: Solid
Percent Solids: 91.6

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	240		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Acenaphthylene	1100		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Anthracene	900		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Benzo[a]anthracene	5200		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Benzo[a]pyrene	5600		150	26	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Benzo[b]fluoranthene	7900		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Benzo[g,h,i]perylene	3400		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Benzo[k]fluoranthene	3500		150	44	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Chrysene	5800		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Dibenz(a,h)anthracene	1600		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Fluoranthene	7800		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Fluorene	300		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Indeno[1,2,3-cd]pyrene	2600		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
1-Methylnaphthalene	190		150	68	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
2-Methylnaphthalene	220		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Naphthalene	390		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Phenanthrene	2900		150	52	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20
Pyrene	9200		150	72	ug/Kg	☼	10/14/14 10:14	10/15/14 22:22	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*10/14/14 10:14*	*10/15/14 22:22*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		22	11	mg/Kg	☼	10/13/14 12:36	10/18/14 01:03	1
Arsenic	32		2.2	0.64	mg/Kg	☼	10/13/14 12:36	10/18/14 01:03	1
Iron	46000		22	7.6	mg/Kg	☼	10/13/14 12:36	10/18/14 01:03	1
Lead	250		1.1	0.57	mg/Kg	☼	10/13/14 12:36	10/18/14 01:03	1

QC Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 680-353328/21-A
Matrix: Solid
Analysis Batch: 353689

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353328

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Acenaphthylene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Anthracene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Benzo[a]anthracene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Benzo[a]pyrene	6.7	U	6.7	1.2	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Benzo[b]fluoranthene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Benzo[g,h,i]perylene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Benzo[k]fluoranthene	6.7	U	6.7	2.0	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Chrysene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Dibenz(a,h)anthracene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Fluoranthene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Fluorene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Indeno[1,2,3-cd]pyrene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
1-Methylnaphthalene	6.7	U	6.7	3.1	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
2-Methylnaphthalene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Naphthalene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Phenanthrene	6.7	U	6.7	2.4	ug/Kg		10/14/14 10:14	10/15/14 14:59	1
Pyrene	6.7	U	6.7	3.3	ug/Kg		10/14/14 10:14	10/15/14 14:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*36 - 131*	*10/14/14 10:14*	*10/15/14 14:59*	*1*

Lab Sample ID: LCS 680-353328/22-A
Matrix: Solid
Analysis Batch: 353689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353328

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	333	230		ug/Kg		69	33 - 130
Acenaphthylene	333	225		ug/Kg		68	37 - 131
Anthracene	333	251		ug/Kg		75	42 - 146
Benzo[a]anthracene	333	274		ug/Kg		82	39 - 157
Benzo[a]pyrene	333	287		ug/Kg		86	41 - 158
Benzo[b]fluoranthene	333	301		ug/Kg		90	35 - 152
Benzo[g,h,i]perylene	333	291		ug/Kg		87	32 - 150
Benzo[k]fluoranthene	333	268		ug/Kg		81	38 - 148
Chrysene	333	297		ug/Kg		89	38 - 147
Dibenz(a,h)anthracene	333	297		ug/Kg		89	32 - 155
Fluoranthene	333	266		ug/Kg		80	36 - 147
Fluorene	333	231		ug/Kg		69	36 - 138
Indeno[1,2,3-cd]pyrene	333	280		ug/Kg		84	35 - 148
1-Methylnaphthalene	333	209		ug/Kg		63	36 - 130
2-Methylnaphthalene	333	209		ug/Kg		63	42 - 130
Naphthalene	333	203		ug/Kg		61	33 - 130
Phenanthrene	333	251		ug/Kg		75	40 - 135
Pyrene	333	265		ug/Kg		80	38 - 145

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: LCS 680-353328/22-A
Matrix: Solid
Analysis Batch: 353689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353328

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	88		36 - 131

Lab Sample ID: 680-106200-1 MS
Matrix: Solid
Analysis Batch: 353689

Client Sample ID: CV0005Y-CS6
Prep Type: Total/NA
Prep Batch: 353328

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	150	U	364	277		ug/Kg	☼	76	33 - 130
Acenaphthylene	150	U	364	250		ug/Kg	☼	69	37 - 131
Anthracene	160		364	319		ug/Kg	☼	43	42 - 146
Benzo[a]anthracene	650		364	717	F1	ug/Kg	☼	18	39 - 157
Benzo[a]pyrene	630		364	736	F1	ug/Kg	☼	28	41 - 158
Benzo[b]fluoranthene	990		364	956	F1	ug/Kg	☼	-9	35 - 152
Benzo[g,h,i]perylene	430		364	558		ug/Kg	☼	36	32 - 150
Benzo[k]fluoranthene	430		364	618		ug/Kg	☼	52	38 - 148
Chrysene	860		364	880	F1	ug/Kg	☼	6	38 - 147
Dibenz(a,h)anthracene	210		364	358		ug/Kg	☼	41	32 - 155
Fluoranthene	1200		364	1080	F1	ug/Kg	☼	-25	36 - 147
Fluorene	150	U	364	266		ug/Kg	☼	73	36 - 138
Indeno[1,2,3-cd]pyrene	350		364	524		ug/Kg	☼	47	35 - 148
1-Methylnaphthalene	190		364	590		ug/Kg	☼	108	36 - 130
2-Methylnaphthalene	210		364	640		ug/Kg	☼	117	42 - 130
Naphthalene	140	J	364	499		ug/Kg	☼	100	33 - 130
Phenanthrene	810		364	901	F1	ug/Kg	☼	25	40 - 135
Pyrene	1200		364	1050	F1	ug/Kg	☼	-40	38 - 145

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	0	D	36 - 131

Lab Sample ID: 680-106200-1 MSD
Matrix: Solid
Analysis Batch: 353689

Client Sample ID: CV0005Y-CS6
Prep Type: Total/NA
Prep Batch: 353328

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	150	U	365	302		ug/Kg	☼	83	33 - 130	9	50
Acenaphthylene	150	U	365	295		ug/Kg	☼	81	37 - 131	17	50
Anthracene	160		365	350		ug/Kg	☼	51	42 - 146	9	50
Benzo[a]anthracene	650		365	767	F1	ug/Kg	☼	32	39 - 157	7	50
Benzo[a]pyrene	630		365	798		ug/Kg	☼	45	41 - 158	8	50
Benzo[b]fluoranthene	990		365	1190		ug/Kg	☼	56	35 - 152	22	50
Benzo[g,h,i]perylene	430		365	595		ug/Kg	☼	46	32 - 150	6	50
Benzo[k]fluoranthene	430		365	585		ug/Kg	☼	43	38 - 148	6	50
Chrysene	860		365	1000		ug/Kg	☼	39	38 - 147	13	50
Dibenz(a,h)anthracene	210		365	411		ug/Kg	☼	55	32 - 155	14	50
Fluoranthene	1200		365	1130	F1	ug/Kg	☼	-11	36 - 147	4	50
Fluorene	150	U	365	301		ug/Kg	☼	82	36 - 138	12	50
Indeno[1,2,3-cd]pyrene	350		365	552		ug/Kg	☼	54	35 - 148	5	50
1-Methylnaphthalene	190		365	463		ug/Kg	☼	73	36 - 130	24	50

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 680-106200-1 MSD — **Client Sample ID: CV0005Y-CS6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 353689 — **Prep Batch: 353328**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	210		365	466		ug/Kg	☼	69	42 - 130	32	50
Naphthalene	140	J	365	400		ug/Kg	☼	72	33 - 130	22	50
Phenanthrene	810		365	855	F1	ug/Kg	☼	13	40 - 135	5	50
Pyrene	1200		365	1150	F1	ug/Kg	☼	-13	38 - 145	9	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*0*	*D*	*36 - 131*

Method: 6010C - Metals (ICP)

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

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

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
Lead	49.5	49.8		mg/Kg		101	80 - 120

Lab Sample ID: 680-106200-1 MS — **Client Sample ID: CV0005Y-CS6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354233 — **Prep Batch: 353312**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	12000		544	15000	4	mg/Kg	☼	568	75 - 125
Arsenic	28		10.9	36.5		mg/Kg	☼	83	75 - 125
Iron	47000		544	48100	4	mg/Kg	☼	202	75 - 125

Lab Sample ID: 680-106200-1 MS — **Client Sample ID: CV0005Y-CS6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354509 — **Prep Batch: 353312**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	220		54.4	280	4	mg/Kg	☼	104	75 - 125

Lab Sample ID: 680-106200-1 MSD — **Client Sample ID: CV0005Y-CS6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354233 — **Prep Batch: 353312**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	12000		544	14000	4	mg/Kg	☼	395	75 - 125	6	20
Arsenic	28		10.9	41.9	F1	mg/Kg	☼	131	75 - 125	14	20
Iron	47000		544	47300	4	mg/Kg	☼	56	75 - 125	2	20

Lab Sample ID: 680-106200-1 MSD — **Client Sample ID: CV0005Y-CS6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 354509 — **Prep Batch: 353312**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	220		54.4	336	4	mg/Kg	☼	206	75 - 125	18	20

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

QC Sample Results

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-353346/2-A
Matrix: Solid
Analysis Batch: 353949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
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

QC Association Summary

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

GC/MS Semi VOA

Prep Batch: 353328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-1	CV0005Y-CS6	Total/NA	Solid	3546	
680-106200-1 MS	CV0005Y-CS6	Total/NA	Solid	3546	
680-106200-1 MSD	CV0005Y-CS6	Total/NA	Solid	3546	
680-106200-2	CV0005Y-CSD6	Total/NA	Solid	3546	
680-106200-3	CV0005Y-CS12	Total/NA	Solid	3546	
680-106200-4	CV0005Y-CS18	Total/NA	Solid	3546	
680-106200-5	CV0005Y-CS24	Total/NA	Solid	3546	
680-106200-6	CV0005AA-CS6	Total/NA	Solid	3546	
680-106200-7	CV0005AA-CS12	Total/NA	Solid	3546	
680-106200-8	CV0005AA-CS18	Total/NA	Solid	3546	
680-106200-9	CV0005AA-CS24	Total/NA	Solid	3546	
680-106200-10	CV0005BB-CS6	Total/NA	Solid	3546	
680-106200-11	CV0005BB-CS12	Total/NA	Solid	3546	
680-106200-12	CV0005BB-CS18	Total/NA	Solid	3546	
680-106200-13	CV0005BB-CS24	Total/NA	Solid	3546	
680-106200-14	CV0005E-CS6	Total/NA	Solid	3546	
680-106200-15	CV0005E-CS12	Total/NA	Solid	3546	
680-106200-16	CV0005E-CS18	Total/NA	Solid	3546	
680-106200-17	CV0005E-CS24	Total/NA	Solid	3546	
LCS 680-353328/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-353328/21-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 353689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-1	CV0005Y-CS6	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-1 MS	CV0005Y-CS6	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-1 MSD	CV0005Y-CS6	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-2	CV0005Y-CSD6	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-3	CV0005Y-CS12	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-4	CV0005Y-CS18	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-5	CV0005Y-CS24	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-6	CV0005AA-CS6	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-7	CV0005AA-CS12	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-8	CV0005AA-CS18	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-9	CV0005AA-CS24	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-10	CV0005BB-CS6	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-11	CV0005BB-CS12	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-12	CV0005BB-CS18	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-13	CV0005BB-CS24	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-14	CV0005E-CS6	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-15	CV0005E-CS12	Total/NA	Solid	8270D_LL_PAH	353328
680-106200-17	CV0005E-CS24	Total/NA	Solid	8270D_LL_PAH	353328
LCS 680-353328/22-A	Lab Control Sample	Total/NA	Solid	8270D_LL_PAH	353328
MB 680-353328/21-A	Method Blank	Total/NA	Solid	8270D_LL_PAH	353328

Analysis Batch: 353862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-16	CV0005E-CS18	Total/NA	Solid	8270D_LL_PAH	353328

QC Association Summary

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Metals

Prep Batch: 353262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-6	CV0005AA-CS6	Total/NA	Solid	3050B	
680-106200-9	CV0005AA-CS24	Total/NA	Solid	3050B	
680-106200-12	CV0005BB-CS18	Total/NA	Solid	3050B	
680-106200-14	CV0005E-CS6	Total/NA	Solid	3050B	
680-106200-15	CV0005E-CS12	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
680-106200-1	CV0005Y-CS6	Total/NA	Solid	3050B	
680-106200-1 MS	CV0005Y-CS6	Total/NA	Solid	3050B	
680-106200-1 MSD	CV0005Y-CS6	Total/NA	Solid	3050B	
680-106200-2	CV0005Y-CSD6	Total/NA	Solid	3050B	
680-106200-3	CV0005Y-CS12	Total/NA	Solid	3050B	
680-106200-4	CV0005Y-CS18	Total/NA	Solid	3050B	
680-106200-5	CV0005Y-CS24	Total/NA	Solid	3050B	
680-106200-8	CV0005AA-CS18	Total/NA	Solid	3050B	
680-106200-11	CV0005BB-CS12	Total/NA	Solid	3050B	
680-106200-17	CV0005E-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	

Prep Batch: 353346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-7	CV0005AA-CS12	Total/NA	Solid	3050B	
680-106200-10	CV0005BB-CS6	Total/NA	Solid	3050B	
680-106200-13	CV0005BB-CS24	Total/NA	Solid	3050B	
680-106200-16	CV0005E-CS18	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: 353949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-6	CV0005AA-CS6	Total/NA	Solid	6010C	353262
680-106200-7	CV0005AA-CS12	Total/NA	Solid	6010C	353346
680-106200-9	CV0005AA-CS24	Total/NA	Solid	6010C	353262
680-106200-10	CV0005BB-CS6	Total/NA	Solid	6010C	353346
680-106200-12	CV0005BB-CS18	Total/NA	Solid	6010C	353262
680-106200-13	CV0005BB-CS24	Total/NA	Solid	6010C	353346
680-106200-14	CV0005E-CS6	Total/NA	Solid	6010C	353262
680-106200-15	CV0005E-CS12	Total/NA	Solid	6010C	353262
680-106200-16	CV0005E-CS18	Total/NA	Solid	6010C	353346
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
MB 680-353262/1-A	Method Blank	Total/NA	Solid	6010C	353262
MB 680-353346/1-A	Method Blank	Total/NA	Solid	6010C	353346

Analysis Batch: 354233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-1	CV0005Y-CS6	Total/NA	Solid	6010C	353312

Metals (Continued)

Analysis Batch: 354233 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-1 MS	CV0005Y-CS6	Total/NA	Solid	6010C	353312
680-106200-1 MSD	CV0005Y-CS6	Total/NA	Solid	6010C	353312
680-106200-2	CV0005Y-CSD6	Total/NA	Solid	6010C	353312
680-106200-3	CV0005Y-CS12	Total/NA	Solid	6010C	353312
680-106200-4	CV0005Y-CS18	Total/NA	Solid	6010C	353312
680-106200-5	CV0005Y-CS24	Total/NA	Solid	6010C	353312
680-106200-8	CV0005AA-CS18	Total/NA	Solid	6010C	353312
680-106200-11	CV0005BB-CS12	Total/NA	Solid	6010C	353312
680-106200-17	CV0005E-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
680-106200-1	CV0005Y-CS6	Total/NA	Solid	6010C	353312
680-106200-1 MS	CV0005Y-CS6	Total/NA	Solid	6010C	353312
680-106200-1 MSD	CV0005Y-CS6	Total/NA	Solid	6010C	353312
680-106200-11	CV0005BB-CS12	Total/NA	Solid	6010C	353312

General Chemistry

Analysis Batch: 353217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-106200-1	CV0005Y-CS6	Total/NA	Solid	Moisture	
680-106200-1 MS	CV0005Y-CS6	Total/NA	Solid	Moisture	
680-106200-1 MSD	CV0005Y-CS6	Total/NA	Solid	Moisture	
680-106200-2	CV0005Y-CSD6	Total/NA	Solid	Moisture	
680-106200-3	CV0005Y-CS12	Total/NA	Solid	Moisture	
680-106200-4	CV0005Y-CS18	Total/NA	Solid	Moisture	
680-106200-5	CV0005Y-CS24	Total/NA	Solid	Moisture	
680-106200-6	CV0005AA-CS6	Total/NA	Solid	Moisture	
680-106200-7	CV0005AA-CS12	Total/NA	Solid	Moisture	
680-106200-8	CV0005AA-CS18	Total/NA	Solid	Moisture	
680-106200-9	CV0005AA-CS24	Total/NA	Solid	Moisture	
680-106200-10	CV0005BB-CS6	Total/NA	Solid	Moisture	
680-106200-11	CV0005BB-CS12	Total/NA	Solid	Moisture	
680-106200-12	CV0005BB-CS18	Total/NA	Solid	Moisture	
680-106200-13	CV0005BB-CS24	Total/NA	Solid	Moisture	
680-106200-14	CV0005E-CS6	Total/NA	Solid	Moisture	
680-106200-15	CV0005E-CS12	Total/NA	Solid	Moisture	
680-106200-16	CV0005E-CS18	Total/NA	Solid	Moisture	
680-106200-17	CV0005E-CS24	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005Y-CS6

Lab Sample ID: 680-106200-1
Date Collected: 10/09/14 09:00
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			30.12 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.12 g	1 mL	353689	10/15/14 16:27	KMW	TAL SAV
	Instrument ID:	CMSY								
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 00:07	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Prep	3050B			1.01 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		10	1.01 g	100 mL	354509	10/20/14 16:00	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV0005Y-CSD6

Lab Sample ID: 680-106200-2
Date Collected: 10/09/14 09:00
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.07 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.07 g	1 mL	353689	10/15/14 16:49	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.10 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.10 g	100 mL	354233	10/18/14 01:20	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: CV0005Y-CS12

Lab Sample ID: 680-106200-3
Date Collected: 10/09/14 09:10
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.04 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.04 g	1 mL	353689	10/15/14 17:12	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 01:12	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: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005Y-CS18

Lab Sample ID: 680-106200-4
Date Collected: 10/09/14 09:20
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.05 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.05 g	1 mL	353689	10/15/14 17:34	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.09 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.09 g	100 mL	354233	10/18/14 00:46	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: CV0005Y-CS24

Lab Sample ID: 680-106200-5
Date Collected: 10/09/14 09:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.10 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.10 g	1 mL	353689	10/15/14 17:56	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 01:07	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: CV0005AA-CS6

Lab Sample ID: 680-106200-6
Date Collected: 10/08/14 14:00
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.07 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.07 g	1 mL	353689	10/15/14 18:18	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.19 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.19 g	100 mL	353949	10/15/14 20:31	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: CV0005AA-CS12

Lab Sample ID: 680-106200-7
Date Collected: 10/08/14 14:10
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.05 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005AA-CS12

Lab Sample ID: 680-106200-7
Date Collected: 10/08/14 14:10
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 90.8

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	353689	10/15/14 18:40	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.04 g	100 mL	353346	10/13/14 14:24	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.04 g	100 mL	353949	10/15/14 18:06	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: CV0005AA-CS18

Lab Sample ID: 680-106200-8
Date Collected: 10/08/14 14:20
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.12 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.12 g	1 mL	353689	10/15/14 19:02	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.17 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.17 g	100 mL	354233	10/18/14 00:55	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: CV0005AA-CS24

Lab Sample ID: 680-106200-9
Date Collected: 10/08/14 14:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.14 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.14 g	1 mL	353689	10/15/14 19:24	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.08 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.08 g	100 mL	353949	10/15/14 21:06	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: CV0005BB-CS6

Lab Sample ID: 680-106200-10
Date Collected: 10/08/14 12:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.09 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005BB-CS6

Lab Sample ID: 680-106200-10
Date Collected: 10/08/14 12:30
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D_LL_PAH		20	30.09 g	1 mL	353689	10/15/14 19:47	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.04 g	100 mL	353346	10/13/14 14:24	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.04 g	100 mL	353949	10/15/14 18:31	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: CV0005BB-CS12

Lab Sample ID: 680-106200-11
Date Collected: 10/08/14 12:40
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.16 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.16 g	1 mL	353689	10/15/14 20:09	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 01:25	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	3050B			1.14 g	100 mL	353312	10/13/14 12:36	CRW	TAL SAV
Total/NA	Analysis	6010C		10	1.14 g	100 mL	354509	10/20/14 16:21	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: CV0005BB-CS18

Lab Sample ID: 680-106200-12
Date Collected: 10/08/14 12:50
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			30.08 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.08 g	1 mL	353689	10/15/14 20:31	KMW	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.17 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.17 g	100 mL	353949	10/15/14 20:53	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: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005BB-CS24

Lab Sample ID: 680-106200-13
Date Collected: 10/08/14 13:00
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.11 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.11 g	1 mL	353689	10/15/14 20:53	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.01 g	100 mL	353346	10/13/14 14:24	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.01 g	100 mL	353949	10/15/14 17:57	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Analysis	Moisture		1			353217	10/12/14 13:31	MDK	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV0005E-CS6

Lab Sample ID: 680-106200-14
Date Collected: 10/08/14 09:20
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.23 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.23 g	1 mL	353689	10/15/14 21:15	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 21:10	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: CV0005E-CS12

Lab Sample ID: 680-106200-15
Date Collected: 10/08/14 09:30
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			30.06 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.06 g	1 mL	353689	10/15/14 21:38	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.04 g	100 mL	353262	10/13/14 09:39	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.04 g	100 mL	353949	10/15/14 20:23	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: CV0005E-CS18

Lab Sample ID: 680-106200-16
Date Collected: 10/08/14 09:40
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.04 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-106200-1
SDG: 680-106200-01

Client Sample ID: CV0005E-CS18

Lab Sample ID: 680-106200-16
Date Collected: 10/08/14 09:40
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 90.2

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		50	30.04 g	1 mL	353862	10/16/14 10:46	KMW	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.08 g	100 mL	353346	10/13/14 14:24	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.08 g	100 mL	353949	10/15/14 18:44	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: CV0005E-CS24

Lab Sample ID: 680-106200-17
Date Collected: 10/08/14 09:50
Matrix: Solid
Date Received: 10/11/14 09:33
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.01 g	1 mL	353328	10/14/14 10:14	JMK	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		20	30.01 g	1 mL	353689	10/15/14 22:22	KMW	TAL SAV
	Instrument ID:	CMSY								
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 01:03	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 89200

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: 2014078 35th Ave	PROJECT NO.: 2014078-100	PROJECT LOCATION (STATE): AL
TAL (LAB) PROJECT MANAGER: Lisa Harvey	P.O. NUMBER:	CONTRACT NO.:
CLIENT (SITE) PM: Russell Jones 35th Ave	CLIENT PHONE:	CLIENT FAX:
CLIENT NAME: OTIC	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 Friday

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	Al, Fe, Pb, Mn	PAHs							REMARKS
								PRESERVATIVE								
								NUMBER OF CONTAINERS SUBMITTED								
10/9/14	09:00	CV0005Y-CS6	C		X			X	X							MS+MSD
10/9/14	09:00	CV0005Y-CSD6	C		X			X	X							
10/9/14	09:10	CV0005Y-CS12	C		X			X	X							
10/9/14	09:20	CV0005Y-CS18	C		X			X	X							
10/9/14	09:30	CV0005Y-CS24	C		X			X	X							
10/8/14	14:00	CV0005AA-CS6	C		X			X	X							
10/8/14	14:10	CV0005AA-CS12	C		X			X	X							
10/8/14	14:20	CV0005AA-CS18	C		X			X	X							
10/8/14	14:30	CV0005AA-CS24	C		X			X	X							
10/8/14	12:30	CV0005BB-CS6	C		X			X	X							
10/8/14	12:40	CV0005BB-CS12	C		X			X	X							
10/8/14	12:50	CV0005BB-CS18	C		X			X	X							

680-106200 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/10/14	16:00	[signature]					
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	10/11/14	0933	YES ○ NO ○		680 106200	5.2/1.8/4.8/0.8C

TAL8240-680 (1008)

Serial Number 89199

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

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Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: 35th Ave	PROJECT NO.: 20140778-1006	PROJECT LOCATION (STATE): AL
TAL (LAB) PROJECT MANAGER: Lisa Harvey	P.O. NUMBER:	CONTRACT NO.:
CLIENT (SITE) PM: Russell Hearlson	CLIENT PHONE:	CLIENT FAX:
CLIENT NAME: OTIE	CLIENT E-MAIL:	
CLIENT ADDRESS:		
COMPANY CONTRACTING THIS WORK (if applicable):		

REQUIRED ANALYSIS: Metals (As/Fe/Mg/Pb); PAHs

PAGE 2 OF 3

STANDARD REPORT DELIVERY ( )

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) (✓)

DATE DUE 7 day

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, ...)	Metals (As/Fe/Mg/Pb)	PAHs								REMARKS
								PRESERVATIVE									
								NUMBER OF CONTAINERS SUBMITTED									
10/8/14	13:00	CV0005BB-CS24	C		X			X	X								
10/8/14	09:20	CV0005E-CS6	C		X			X	X								
10/8/14	09:30	CV0005E-CS12	C		X			X	X								
10/8/14	09:40	CV0005E-CS18	C		X			X	X								
10/8/14	09:50	CV0005E-CS24	C		X			X	X								
10/9/14	13:40	CV0971WW-CS6	C		X			X	X								MS/MSD IF POSS. 1/6
10/9/14	13:40	CV0971WW-CSD6	C		X			X	X								
10/9/14	13:50	CV0971WW-CS12	C		X			X	X								
10/9/14	14:00	CV0971WW-CS18	C		X			X	X								
10/9/14	14:10	CV0971WW-CS24	C		X			X	X								
10/9/14	10:10	[redacted] CV0005AC-CS6	C		X			X	X								
10/9/14	10:20	CV0005AC-CS12	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°

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-106200-1
SDG Number: 680-106200-01

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: 680-106200-1
SDG: 680-106200-01

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	41450	06-30-15