Data Validation Checklist
Inorganic Analyses

Project:	35TH Avenue Superfund Site	Project No:	60430028; 1
Laboratory:	TestAmerica – Savannah, GA	Job ID.:	680-102328-1
Method:	SW-846 6010C (Arsenic and Lead)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Date(s) Collected:	06/12/2014
Reviewer:	Teresa Amentt Jennings, URS Group, Inc.	Date:	08/20/2015
Concurrence[1]:	Martha Meyers-Lee, URS Group, Inc.	Date:	08/26/2015

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: • Arsenic: 0.68 mg/Kg • Lead: 400 mg/Kg The MDL for each target analyte was less than the respective above-mentioned RSL in undiluted samples, except arsenic in samples 680-102328-2 (CV1040-CS-6), 680-102328-3 (CV1040-CS-12), and 680-102328-5 (CV1040-CS-24). A data gap does not exist, as arsenic was detected in the above-mentioned 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?		✓		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			✓	Method blank contamination does not exist.	
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?		✓			
15. Was precision deemed acceptable as defined by the project plans?			✓		
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: 6/17/14 and 6/18/14. One blank and one standard initially. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis.	
17. Were these results within lab/project specifications? o 6010C • ICV/CCV (Criteria: 90-110%R): ▪ If %R <75, then J- flag positive results and R-flag non-detects ▪ If 75-89%R, then J- flag positive results and UJ flag non-detects	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
▪ 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 ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results					

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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?	✓			Prep Batch 334383: 680-102325-5 (Batch), MS/MSD	
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)?	✓			680-102325-5 (Batch)	
26. For all analytes with sample concentration < 4 x spike concentration, are spike recoveries within method (6010C: 75-125%R MS/MSD and 80-120%R PDS; 7471A: 80-120%R MS/MSD; 7196A: 85-115%R MS), laboratory (MS, MSD, and PDS: 75-125%R for 6010C/7471 (as applicable) and 80-120%R for 7196), and project (as noted below) specifications? *Only QC results for project samples are evaluated.* If not, o 6010C: • If MS %R <30 and PDS %R <75, then J- and R Flag positive and ND results, respectively			✓		

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
• 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?	✓			680-102325-5 (Batch)	
29. Is the serial dilution parent sample a project-specific sample?		✓			
30. Is the percent difference between the serially diluted result and undiluted result less 10% (for those analytes with native concentrations greater than 50x the DL)? *Only QC results for project samples are evaluated.* o If %D >10, J and UJ flag positive and non-detect results, respectively.			✓		
31. Was a laboratory duplicate analyzed?		✓			
32. Was the lab duplicate analysis conducted on a project-specific sample?			✓		
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 B** (Case Narrative)	

Data Validation Checklist (Continued)

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

DV Flag Definitions:

J- The 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: 680-102328-1
Sdg Number: 680-102328-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-102328-2	CV1040-CS-6	Solid	06/12/2014 0900	06/13/2014 1007
680-102328-3	CV1040-CS-12	Solid	06/12/2014 0930	06/13/2014 1007
680-102328-4	CV1040-CS-18	Solid	06/12/2014 1005	06/13/2014 1007
680-102328-5	CV1040-CS-24	Solid	06/12/2014 1055	06/13/2014 1007

ATTACHMENT B

CASE NARRATIVE

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-102328-1

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

RECEIPT

The samples were received on 06/13/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.0 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV1040-CS-6 (680-102328-2), CV1040-CS-12 (680-102328-3), CV1040-CS-18 (680-102328-4) and CV1040-CS-24 (680-102328-5) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D.

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV1040-CS-12 (680-102328-3), CV1040-CS-6 (680-102328-2). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Samples CV1040-CS-6 (680-102328-2)[10X] and CV1040-CS-12 (680-102328-3)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)

Samples CV1040-CS-6 (680-102328-2), CV1040-CS-12 (680-102328-3), CV1040-CS-18 (680-102328-4) and CV1040-CS-24 (680-102328-5) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Arsenic recovery is outside criteria for the MS of sample 680-102325-5 in batch 680-334904.

PERCENT SOLIDS/MOISTURE

Samples CV1040-CS-6 (680-102328-2), CV1040-CS-12 (680-102328-3), CV1040-CS-18 (680-102328-4) and CV1040-CS-24 (680-102328-5) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

ATTACHMENT C

QUALIFIED SAMPLE RESULTS

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1040-CS-6
Lab Sample ID: 680-102328-2
Lab Name: TestAmerica Savannah
Job No.: 680-102328-1
SDG ID.: 680-102328-01
Matrix: Solid
Date Sampled: 06/12/2014 09:00
Reporting Basis: DRY
Date Received: 06/13/2014 10:07
% Solids: 76.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	26	2.6	0.76	mg/Kg			1	6010C
7439-92-1	Lead	390	1.3	0.68	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: CV1040-CS-12

Lab Sample ID: 680-102328-3

Lab Name: TestAmerica Savannah

Job No.: 680-102328-1

SDG ID.: 680-102328-01

Matrix: Solid

Date Sampled: 06/12/2014 09:30

Reporting Basis: DRY

Date Received: 06/13/2014 10:07

% Solids: 78.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	34	2.5	0.75	mg/Kg			1	6010C
7439-92-1	Lead	220	1.3	0.67	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 2013)

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1040-CS-18

Lab Sample ID: 680-102328-4

Lab Name: TestAmerica Savannah

Job No.: 680-102328-1

SDG ID.: 680-102328-01

Matrix: Solid

Date Sampled: 06/12/2014 10:05

Reporting Basis: DRY

Date Received: 06/13/2014 10:07

% Solids: 83.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	30	2.1	0.61	mg/Kg			1	6010C
7439-92-1	Lead	66	1.0	0.55	mg/Kg			1	6010C

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

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1040-CS-24
Lab Sample ID: 680-102328-5
Lab Name: TestAmerica Savannah
Job No.: 680-102328-1
SDG ID.: 680-102328-01
Matrix: Solid
Date Sampled: 06/12/2014 10:55
Reporting Basis: DRY
Date Received: 06/13/2014 10:07
% Solids: 83.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	17	2.4	0.71	mg/Kg			1	6010C
7439-92-1	Lead	37	1.2	0.63	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 2011)

Data Validation Checklist
Semivolatile Organic Analyses

Project:	35TH Avenue Superfund Site	Project No:	60430028; 1
Laboratory:	TestAmerica - Savannah, GA	Job ID.:	680-102328-1
Method:	SW-846 8270D Low-Level (PAH)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Date(s) Collected:	06/12/2014
Reviewer:	Teresa Amentt Jennings, URS Group, Inc.	Date:	08/19/2015
Concurrence[1]:	Martha Meyers-Lee, URS Group, Inc.	Date:	08/26/2015

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 a 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?			✓		

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
13. Were analytes detected in samples below the blank contamination action level? If yes, U flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates)			✓	Blank contamination does not exist.	
14. Is a field duplicate associated with this Job?		✓			
15. Was precision deemed acceptable as defined by the project plans?			✓		
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270D) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2.	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? • Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. • An initial calibration is to be associated with each sample analysis. • A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument.	✓			• Instrument ID: CMSY • Initial Calibration: 06/20/2014 • ICV: 06/20/2015 @ 12:56	
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			✓	LCS only	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
results and UJ flag non-detects					
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓				
24. Is the MS/MSD parent sample a project-specific sample?	✓			Prep Batch 335093: 680-102328-4 (CV1040-CS-18), MS/MSD	
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	✓				
26. For all analytes with native sample concentrations < 4 x spiking level, were laboratory criteria met for precision during the MS and MSD analysis? *Only QC results for project samples that are reported under this Job ID are evaluated.* • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If %RPD > UCL, J flag positive result and UJ flag non-detect result	✓				
27. Were surrogate recoveries within lab/project specifications? • If %R for 1 Acid or BN surrogates <10, then J flag positive and R flag non-detect associated sample results (i.e., acid or BN results) • If 2 or more Acid or BN %R >UCL, then J flag positive associated sample results (i.e., acid or BN results) • If 2 or more Acid or BN %R ≥10%, but <LCL, then J flag positive and UJ flag non-detect associated sample results (i.e., acid or BN results) • If 2 or more Acid or BN , with 1 %R >UCL and 1 %R ≥10%, but <LCL, then J flag positive and UJ flag non-detect associated sample results (i.e., acid or BN results)		✓		Surrogate o-terphenyl was not recovered (0%) during the diluted analysis of samples CV1040-CS-6 and CV1040-CS-12 (680-102328-2 and 680-102328-3, respectively). Qualification of sample results is not warranted, as the surrogate compound was diluted out of the samples.	
28. Were internal standard (IS) results within lab/project specifications? • If IS area counts are less than 50% of the midpoint calibration standard, then J flag positive and UJ flag non-detect associated sample results • If IS area counts are greater than 100% of the midpoint	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
calibration standard, then J flag positive results • If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of sensitivity is indicated, J flag positive and R flag non-detect results • If retention time of sample's internal standard is not within 30 seconds of the associated calibration standard, R flag associated data. • The chromatographic profile for that sample must be examined to determine if any false positives or negatives exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample fraction. Positive results need not be qualified as R, if mass spectral criteria are met.					
29. Were lab comments included in report?	✓			Refer to **Attachment B** (Case Narrative)	

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

DV Flag Definitions:

J- The 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: 680-102328-1
Sdg Number: 680-102328-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-102328-2	CV1040-CS-6	Solid	06/12/2014 0900	06/13/2014 1007
680-102328-3	CV1040-CS-12	Solid	06/12/2014 0930	06/13/2014 1007
680-102328-4	CV1040-CS-18	Solid	06/12/2014 1005	06/13/2014 1007
680-102328-5	CV1040-CS-24	Solid	06/12/2014 1055	06/13/2014 1007

ATTACHMENT B

CASE NARRATIVE

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-102328-1

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

RECEIPT

The samples were received on 06/13/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.0 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV1040-CS-6 (680-102328-2), CV1040-CS-12 (680-102328-3), CV1040-CS-18 (680-102328-4) and CV1040-CS-24 (680-102328-5) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D.

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV1040-CS-12 (680-102328-3), CV1040-CS-6 (680-102328-2). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Samples CV1040-CS-6 (680-102328-2)[10X] and CV1040-CS-12 (680-102328-3)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)

Samples CV1040-CS-6 (680-102328-2), CV1040-CS-12 (680-102328-3), CV1040-CS-18 (680-102328-4) and CV1040-CS-24 (680-102328-5) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Arsenic recovery is outside criteria for the MS of sample 680-102325-5 in batch 680-334904.

PERCENT SOLIDS/MOISTURE

Samples CV1040-CS-6 (680-102328-2), CV1040-CS-12 (680-102328-3), CV1040-CS-18 (680-102328-4) and CV1040-CS-24 (680-102328-5) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

ATTACHMENT C

QUALIFIED SAMPLE RESULTS

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-102328-1
SDG No.: 680-102328-01
Client Sample ID: CV1040-CS-6
Lab Sample ID: 680-102328-2
Matrix: Solid
Lab File ID: 2YF2011.D
Analysis Method: 8270D_LL_PAH
Date Collected: 06/12/2014 09:00
Extract. Method: 3546
Date Extracted: 06/19/2014 11:14
Sample wt/vol: 30.01(g)
Date Analyzed: 06/20/2014 13:42
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 23.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 335312
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	88	U	88	43
208-96-8	Acenaphthylene	88	U	88	43
120-12-7	Anthracene	69	J	88	43
56-55-3	Benzo[a]anthracene	230		88	43
50-32-8	Benzo[a]pyrene	190		88	16
205-99-2	Benzo[b]fluoranthene	270		88	43
191-24-2	Benzo[g,h,i]perylene	150		88	43
207-08-9	Benzo[k]fluoranthene	120		88	26
218-01-9	Chrysene	270		88	43
53-70-3	Dibenz(a,h)anthracene	88	U	88	43
206-44-0	Fluoranthene	430		88	43
86-73-7	Fluorene	88	U	88	43
193-39-5	Indeno[1,2,3-cd]pyrene	130		88	43
90-12-0	1-Methylnaphthalene	44	J	88	41
91-57-6	2-Methylnaphthalene	53	J	88	43
91-20-3	Naphthalene	59	J	88	43
85-01-8	Phenanthrene	300		88	31
129-00-0	Pyrene	350		88	43

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.: 680-102328-1

SDG No.: 680-102328-01

Client Sample ID: CV1040-CS-12 | Lab Sample ID: 680-102328-3

Matrix: Solid | Lab File ID: 2YF2012.D

Analysis Method: 8270D_LL_PAH | Date Collected: 06/12/2014 09:30

Extract. Method: 3546 | Date Extracted: 06/19/2014 11:14

Sample wt/vol: 29.99(g) | Date Analyzed: 06/20/2014 14:05

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

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

% Moisture: 21.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 335312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	85	U	85	42
208-96-8	Acenaphthylene	85	U	85	42
120-12-7	Anthracene	52	J	85	42
56-55-3	Benzo[a]anthracene	240		85	42
50-32-8	Benzo[a]pyrene	240		85	15
205-99-2	Benzo[b]fluoranthene	380		85	42
191-24-2	Benzo[g,h,i]perylene	85	U	85	42
207-08-9	Benzo[k]fluoranthene	100		85	25
218-01-9	Chrysene	300		85	42
53-70-3	Dibenz(a,h)anthracene	85	U	85	42
206-44-0	Fluoranthene	430		85	42
86-73-7	Fluorene	85	U	85	42
193-39-5	Indeno[1,2,3-cd]pyrene	85	U	85	42
90-12-0	1-Methylnaphthalene	73	J	85	39
91-57-6	2-Methylnaphthalene	73	J	85	42
91-20-3	Naphthalene	57	J	85	42
85-01-8	Phenanthrene	290		85	30
129-00-0	Pyrene	340		85	42

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

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-102328-1

SDG No.: 680-102328-01

Client Sample ID: CV1040-CS-18 | Lab Sample ID: 680-102328-4

Matrix: Solid | Lab File ID: 2YF2013.D

Analysis Method: 8270D_LL_PAH | Date Collected: 06/12/2014 10:05

Extract. Method: 3546 | Date Extracted: 06/19/2014 11:14

Sample wt/vol: 30.01(g) | Date Analyzed: 06/20/2014 14:29

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

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

% Moisture: 16.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 335312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.0	U	8.0	3.9
208-96-8	Acenaphthylene	8.0	U	8.0	3.9
120-12-7	Anthracene	8.0	U	8.0	3.9
56-55-3	Benzo[a]anthracene	19		8.0	3.9
50-32-8	Benzo[a]pyrene	23		8.0	1.4
205-99-2	Benzo[b]fluoranthene	37		8.0	3.9
191-24-2	Benzo[g,h,i]perylene	21		8.0	3.9
207-08-9	Benzo[k]fluoranthene	9.7		8.0	2.4
218-01-9	Chrysene	27		8.0	3.9
53-70-3	Dibenz(a,h)anthracene	8.0	U	8.0	3.9
206-44-0	Fluoranthene	33		8.0	3.9
86-73-7	Fluorene	8.0	U	8.0	3.9
193-39-5	Indeno[1,2,3-cd]pyrene	16		8.0	3.9
90-12-0	1-Methylnaphthalene	5.3	J	8.0	3.7
91-57-6	2-Methylnaphthalene	5.3	J	8.0	3.9
91-20-3	Naphthalene	4.7	J	8.0	3.9
85-01-8	Phenanthrene	20		8.0	2.9
129-00-0	Pyrene	27		8.0	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	54		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.: 680-102328-1

SDG No.: 680-102328-01

Client Sample ID: CV1040-CS-24 | Lab Sample ID: 680-102328-5

Matrix: Solid | Lab File ID: 2YF2014.D

Analysis Method: 8270D_LL_PAH | Date Collected: 06/12/2014 10:55

Extract. Method: 3546 | Date Extracted: 06/19/2014 11:14

Sample wt/vol: 29.97(g) | Date Analyzed: 06/20/2014 14:52

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

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

% Moisture: 16.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 335312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.0	U	8.0	4.0
208-96-8	Acenaphthylene	8.0	U	8.0	4.0
120-12-7	Anthracene	8.0	U	8.0	4.0
56-55-3	Benzo[a]anthracene	16		8.0	4.0
50-32-8	Benzo[a]pyrene	19		8.0	1.4
205-99-2	Benzo[b]fluoranthene	27		8.0	4.0
191-24-2	Benzo[g,h,i]perylene	17		8.0	4.0
207-08-9	Benzo[k]fluoranthene	7.7	J	8.0	2.4
218-01-9	Chrysene	16		8.0	4.0
53-70-3	Dibenz(a,h)anthracene	4.9	J	8.0	4.0
206-44-0	Fluoranthene	20		8.0	4.0
86-73-7	Fluorene	8.0	U	8.0	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	13		8.0	4.0
90-12-0	1-Methylnaphthalene	8.0	U	8.0	3.7
91-57-6	2-Methylnaphthalene	8.0	U	8.0	4.0
91-20-3	Naphthalene	8.0	U	8.0	4.0
85-01-8	Phenanthrene	9.0		8.0	2.9
129-00-0	Pyrene	16		8.0	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	47		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: 680-102328-1

SDG Number: 680-102328-01

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.
Bernard C Kirkland
Manager of Project Management
6/25/2014 2:19 PM

Designee for
Lisa M Harvey, Project Manager II
5102 LaRoche Avenue, Savannah, GA, 31404
(912)354-7858 e.3221
lisa.harvey@testamericainc.com
06/25/2014

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

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

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CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-102328-1

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

RECEIPT

The samples were received on 06/13/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.0 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV1040-CS-6 (680-102328-2), CV1040-CS-12 (680-102328-3), CV1040-CS-18 (680-102328-4) and CV1040-CS-24 (680-102328-5) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D.

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV1040-CS-12 (680-102328-3), CV1040-CS-6 (680-102328-2). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Samples CV1040-CS-6 (680-102328-2)[10X] and CV1040-CS-12 (680-102328-3)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)

Samples CV1040-CS-6 (680-102328-2), CV1040-CS-12 (680-102328-3), CV1040-CS-18 (680-102328-4) and CV1040-CS-24 (680-102328-5) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Arsenic recovery is outside criteria for the MS of sample 680-102325-5 in batch 680-334904.

PERCENT SOLIDS/MOISTURE

Samples CV1040-CS-6 (680-102328-2), CV1040-CS-12 (680-102328-3), CV1040-CS-18 (680-102328-4) and CV1040-CS-24 (680-102328-5) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-102328-1
Sdg Number: 680-102328-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-102328-2	CV1040-CS-6	Solid	06/12/2014 0900	06/13/2014 1007
680-102328-3	CV1040-CS-12	Solid	06/12/2014 0930	06/13/2014 1007
680-102328-4	CV1040-CS-18	Solid	06/12/2014 1005	06/13/2014 1007
680-102328-5	CV1040-CS-24	Solid	06/12/2014 1055	06/13/2014 1007

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-102328-1
Sdg Number: 680-102328-01

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: 680-102328-1
Sdg Number: 680-102328-01

Method	Analyst	Analyst ID
SW846 8270D_LL_PAH	Moore, Ron A	RAM
SW846 6010C	Bland, Brian C	BCB
EPA Moisture	Perue, Oshane	OP

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-102328-1
Sdg Number: 680-102328-01

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	D	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
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-102328-1
Sdg Number: 680-102328-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 680-335093					
LCS 680-335093/7-A	Lab Control Sample	T	Solid	3546	
MB 680-335093/6-A	Method Blank	T	Solid	3546	
680-102328-2	CV1040-CS-6	T	Solid	3546	
680-102328-3	CV1040-CS-12	T	Solid	3546	
680-102328-4	CV1040-CS-18	T	Solid	3546	
680-102328-4MS	Matrix Spike	T	Solid	3546	
680-102328-4MSD	Matrix Spike Duplicate	T	Solid	3546	
680-102328-5	CV1040-CS-24	T	Solid	3546	
Analysis Batch:680-335312					
LCS 680-335093/7-A	Lab Control Sample	T	Solid	8270D_LL_PAH	680-335093
MB 680-335093/6-A	Method Blank	T	Solid	8270D_LL_PAH	680-335093
680-102328-2	CV1040-CS-6	T	Solid	8270D_LL_PAH	680-335093
680-102328-3	CV1040-CS-12	T	Solid	8270D_LL_PAH	680-335093
680-102328-4	CV1040-CS-18	T	Solid	8270D_LL_PAH	680-335093
680-102328-4MS	Matrix Spike	T	Solid	8270D_LL_PAH	680-335093
680-102328-4MSD	Matrix Spike Duplicate	T	Solid	8270D_LL_PAH	680-335093
680-102328-5	CV1040-CS-24	T	Solid	8270D_LL_PAH	680-335093

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-102328-1
Sdg Number: 680-102328-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-334383					
LCS 680-334383/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-334383/1-A	Method Blank	T	Solid	3050B	
680-102325-C-5-B MS	Matrix Spike	T	Solid	3050B	
680-102325-C-5-C MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-102328-2	CV1040-CS-6	T	Solid	3050B	
680-102328-3	CV1040-CS-12	T	Solid	3050B	
680-102328-4	CV1040-CS-18	T	Solid	3050B	
680-102328-5	CV1040-CS-24	T	Solid	3050B	
Analysis Batch:680-334904					
LCS 680-334383/2-A	Lab Control Sample	T	Solid	6010C	680-334383
MB 680-334383/1-A	Method Blank	T	Solid	6010C	680-334383
680-102325-C-5-B MS	Matrix Spike	T	Solid	6010C	680-334383
680-102325-C-5-C MSD	Matrix Spike Duplicate	T	Solid	6010C	680-334383
680-102328-2	CV1040-CS-6	T	Solid	6010C	680-334383
680-102328-3	CV1040-CS-12	T	Solid	6010C	680-334383
680-102328-4	CV1040-CS-18	T	Solid	6010C	680-334383
680-102328-5	CV1040-CS-24	T	Solid	6010C	680-334383

Report Basis
T = Total

General Chemistry					
Analysis Batch:680-334640					
680-102328-2	CV1040-CS-6	T	Solid	Moisture	
680-102328-3	CV1040-CS-12	T	Solid	Moisture	
680-102328-4	CV1040-CS-18	T	Solid	Moisture	
680-102328-5	CV1040-CS-24	T	Solid	Moisture	
680-102332-A-6 MS	Matrix Spike	T	Solid	Moisture	
680-102332-A-6 MSD	Matrix Spike Duplicate	T	Solid	Moisture	

Report Basis
T = Total

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.: 680-102328-1

SDG No.: 680-102328-01

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	OTPH	#
CV1040-CS-6	680-102328-2	0	D
CV1040-CS-12	680-102328-3	0	D
CV1040-CS-18	680-102328-4	54	
CV1040-CS-24	680-102328-5	47	
	MB 680-335093/6-A	50	
	LCS 680-335093/7-A	41	
CV1040-CS-18 MS	680-102328-4 MS	58	
CV1040-CS-18 MSD	680-102328-4 MSD	64	

OTPH = o-Terphenyl

QC LIMITS
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.: 680-102328-1

SDG No.: 680-102328-01

Matrix: Solid Level: Low Lab File ID: 2YF2022.D

Lab ID: LCS 680-335093/7-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	333	192	58	33-130	
Acenaphthylene	333	191	57	37-131	
Anthracene	333	211	63	42-146	
Benzo[a]anthracene	333	207	62	39-157	
Benzo[a]pyrene	333	250	75	41-158	
Benzo[b]fluoranthene	333	234	70	35-152	
Benzo[g,h,i]perylene	333	216	65	32-150	
Benzo[k]fluoranthene	333	249	75	38-148	
Chrysene	333	209	63	38-147	
Dibenz(a,h)anthracene	333	241	72	32-155	
Fluoranthene	333	204	61	36-147	
Fluorene	333	208	63	36-138	
Indeno[1,2,3-cd]pyrene	333	180	54	35-148	
1-Methylnaphthalene	333	176	53	36-130	
2-Methylnaphthalene	333	186	56	42-130	
Naphthalene	333	177	53	33-130	
Phenanthrene	333	203	61	40-135	
Pyrene	333	210	63	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.: 680-102328-1

SDG No.: 680-102328-01

Matrix: Solid Level: Low Lab File ID: 2YF2023.D

Lab ID: 680-102328-4 MS Client ID: CV1040-CS-18 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	398	8.0 U	329	83	33-130	
Acenaphthylene	398	8.0 U	328	82	37-131	
Anthracene	398	8.0 U	339	85	42-146	
Benzo[a]anthracene	398	19	337	80	39-157	
Benzo[a]pyrene	398	23	405	96	41-158	
Benzo[b]fluoranthene	398	37	420	96	35-152	
Benzo[g,h,i]perylene	398	21	377	89	32-150	
Benzo[k]fluoranthene	398	9.7	400	98	38-148	
Chrysene	398	27	310	71	38-147	
Dibenz(a,h)anthracene	398	8.0 U	409	103	32-155	
Fluoranthene	398	33	332	75	36-147	
Fluorene	398	8.0 U	350	88	36-138	
Indeno[1,2,3-cd]pyrene	398	16	348	83	35-148	
1-Methylnaphthalene	398	5.3 J	314	78	36-130	
2-Methylnaphthalene	398	5.3 J	334	83	42-130	
Naphthalene	398	4.7 J	312	77	33-130	
Phenanthrene	398	20	358	85	40-135	
Pyrene	398	27	362	84	38-145	

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Matrix: Solid Level: Low Lab File ID: 2YF2024.D

Lab ID: 680-102328-4 MSD Client ID: CV1040-CS-18 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	398	327	82	1	50	33-130	
Acenaphthylene	398	331	83	1	50	37-131	
Anthracene	398	334	84	1	50	42-146	
Benzo[a]anthracene	398	410	98	19	50	39-157	
Benzo[a]pyrene	398	460	110	13	50	41-158	
Benzo[b]fluoranthene	398	479	111	13	50	35-152	
Benzo[g,h,i]perylene	398	428	102	13	50	32-150	
Benzo[k]fluoranthene	398	420	103	5	50	38-148	
Chrysene	398	365	85	16	50	38-147	
Dibenz(a,h)anthracene	398	422	106	3	50	32-155	
Fluoranthene	398	415	96	22	50	36-147	
Fluorene	398	347	87	1	50	36-138	
Indeno[1,2,3-cd]pyrene	398	382	92	9	50	35-148	
1-Methylnaphthalene	398	305	75	3	50	36-130	
2-Methylnaphthalene	398	329	81	2	50	42-130	
Naphthalene	398	306	76	2	50	33-130	
Phenanthrene	398	379	90	6	50	40-135	
Pyrene	398	479	114	28	50	38-145	

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Lab File ID: 2YF2021.D Lab Sample ID: MB 680-335093/6-A

Matrix: Solid Date Extracted: 06/19/2014 11:14

Instrument ID: CMSY Date Analyzed: 06/20/2014 17:35

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
CV1040-CS-6	680-102328-2	2YF2011.D	06/20/2014 13:42
CV1040-CS-12	680-102328-3	2YF2012.D	06/20/2014 14:05
CV1040-CS-18	680-102328-4	2YF2013.D	06/20/2014 14:29
CV1040-CS-24	680-102328-5	2YF2014.D	06/20/2014 14:52
	LCS 680-335093/7-A	2YF2022.D	06/20/2014 17:58
CV1040-CS-18 MS	680-102328-4 MS	2YF2023.D	06/20/2014 18:21
CV1040-CS-18 MSD	680-102328-4 MSD	2YF2024.D	06/20/2014 18:44

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

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Lab File ID: 2YF2001.D DFTPP Injection Date: 06/20/2014

Instrument ID: CMSY DFTPP Injection Time: 09:57

Analysis Batch No.: 335312

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	39.0	
68	Less than 2.0 % of mass 69	0.6	(1.5)1
69	Mass 69 relative abundance	38.3	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	10.0 - 80.0 % of mass 442	50.9	
197	Less than 2.0 % of mass 198	0.9	(1.0)2
198	Greater than 50.0 % of mass 442	93.0	
199	5.0 - 9.0 % of mass 198	6.2	(6.7)2
275	10.0 - 60.0 % of mass 442	21.6	
365	Greater than 1.0 % of mass 442	3.4	
441	Present but less than mass 443	14.5	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	19.4	

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 680-335312/2	2YF2002.D	06/20/2014	10:14
	IC 680-335312/3	2YF2003.D	06/20/2014	10:37
	IC 680-335312/4	2YF2004.D	06/20/2014	11:00
	IC 680-335312/5	2YF2005.D	06/20/2014	11:23
	IC 680-335312/6	2YF2006.D	06/20/2014	11:46
	IC 680-335312/7	2YF2007.D	06/20/2014	12:10
	IC 680-335312/8	2YF2008.D	06/20/2014	12:33
	ICV 680-335312/9	2YF2009.D	06/20/2014	12:56
CV1040-CS-6	680-102328-2	2YF2011.D	06/20/2014	13:42
CV1040-CS-12	680-102328-3	2YF2012.D	06/20/2014	14:05
CV1040-CS-18	680-102328-4	2YF2013.D	06/20/2014	14:29
CV1040-CS-24	680-102328-5	2YF2014.D	06/20/2014	14:52
	MB 680-335093/6-A	2YF2021.D	06/20/2014	17:35
	LCS 680-335093/7-A	2YF2022.D	06/20/2014	17:58
CV1040-CS-18 MS	680-102328-4 MS	2YF2023.D	06/20/2014	18:21
CV1040-CS-18 MSD	680-102328-4 MSD	2YF2024.D	06/20/2014	18:44

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

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Sample No.: ICIS 680-335312/2 Date Analyzed: 06/20/2014 10:14

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

Lab File ID (Standard): 2YF2002.D Heated Purge: (Y/N) N

Calibration ID: 31032

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		427252	4.74	247647	6.43	305607	7.86
UPPER LIMIT		854504	5.24	495294	6.93	611214	8.36
LOWER LIMIT		213626	4.24	123824	5.93	152804	7.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 680-335312/9		549902	4.74	273791	6.43	368323	7.86
680-102328-2	CV1040-CS-6	596667	4.74	356318	6.43	478800	7.86
680-102328-3	CV1040-CS-12	552377	4.74	308266	6.43	439281	7.86
680-102328-4	CV1040-CS-18	565219	4.73	279929	6.43	389513	7.86
680-102328-5	CV1040-CS-24	607659	4.73	311388	6.43	434849	7.86
MB 680-335093/6-A		625757	4.74	337500	6.43	464279	7.86
LCS 680-335093/7-A		690544	4.74	371342	6.44	523239	7.86
680-102328-4 MS	CV1040-CS-18 MS	684281	4.73	371122	6.43	507486	7.87
680-102328-4 MSD	CV1040-CS-18 MSD	727921	4.74	392480	6.44	520446	7.87

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.: 680-102328-1

SDG No.: 680-102328-01

Sample No.: ICIS 680-335312/2 Date Analyzed: 06/20/2014 10:14

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

Lab File ID (Standard): 2YF2002.D Heated Purge: (Y/N) N

Calibration ID: 31032

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		260906	10.65	238209	12.99		
UPPER LIMIT		521812	11.15	476418	13.49		
LOWER LIMIT		130453	10.15	119105	12.49		
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 680-335312/9		323502	10.66	307609	13.00		
680-102328-2	CV1040-CS-6	384003	10.65	351509	13.00		
680-102328-3	CV1040-CS-12	366560	10.65	320822	12.99		
680-102328-4	CV1040-CS-18	318097	10.66	267969	13.00		
680-102328-5	CV1040-CS-24	355856	10.66	306045	13.00		
MB 680-335093/6-A		381619	10.66	283070	13.01		
LCS 680-335093/7-A		408128	10.66	292072	13.00		
680-102328-4 MS	CV1040-CS-18 MS	364313	10.67	292552	13.01		
680-102328-4 MSD	CV1040-CS-18 MSD	348207	10.67	276531	13.01		

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.: 680-102328-1
SDG No.: 680-102328-01
Client Sample ID: CV1040-CS-6
Lab Sample ID: 680-102328-2
Matrix: Solid
Lab File ID: 2YF2011.D
Analysis Method: 8270D_LL_PAH
Date Collected: 06/12/2014 09:00
Extract. Method: 3546
Date Extracted: 06/19/2014 11:14
Sample wt/vol: 30.01(g)
Date Analyzed: 06/20/2014 13:42
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 23.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 335312
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	88	U	88	43
208-96-8	Acenaphthylene	88	U	88	43
120-12-7	Anthracene	69	J	88	43
56-55-3	Benzo[a]anthracene	230		88	43
50-32-8	Benzo[a]pyrene	190		88	16
205-99-2	Benzo[b]fluoranthene	270		88	43
191-24-2	Benzo[g,h,i]perylene	150		88	43
207-08-9	Benzo[k]fluoranthene	120		88	26
218-01-9	Chrysene	270		88	43
53-70-3	Dibenz(a,h)anthracene	88	U	88	43
206-44-0	Fluoranthene	430		88	43
86-73-7	Fluorene	88	U	88	43
193-39-5	Indeno[1,2,3-cd]pyrene	130		88	43
90-12-0	1-Methylnaphthalene	44	J	88	41
91-57-6	2-Methylnaphthalene	53	J	88	43
91-20-3	Naphthalene	59	J	88	43
85-01-8	Phenanthrene	300		88	31
129-00-0	Pyrene	350		88	43

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\20140620-10283.b\2YF2011.D
Lims ID: 680-102328-A-2-C Lab Sample ID: 680-102328-2
Client ID: CV1040-CS-6
Sample Type: Client
Inject. Date: 20-Jun-2014 13:42:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 102328-A-2-C; DL10
Misc. Info.: 680-0010283-011 =680-0010283-011
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 16:30:28 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 16:30:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.743	4.743	0.000	99	596667	2.00	
* 2 Acenaphthene-d10	164	6.433	6.433	0.000	93	356318	2.00	
* 3 Phenanthrene-d10	188	7.856	7.856	0.000	99	478800	2.00	
* 4 Chrysene-d12	240	10.654	10.654	0.000	98	384003	2.00	
* 5 Perylene-d12	264	12.996	12.991	0.005	96	351509	2.00	
7 Naphthalene	128	4.765	4.765	0.000	99	44496	0.1344	
8 2-Methylnaphthalene	142	5.428	5.428	0.000	79	24420	0.1224	
9 1-Methylnaphthalene	142	5.524	5.524	0.000	85	20494	0.1010	
12 Acenaphthene	153	6.466	6.466	0.000	49	15172	0.0705	
14 Fluorene	166	6.952	6.952	0.000	88	13440	0.0629	
15 Phenanthrene	178	7.883	7.883	0.000	98	194857	0.6923	
16 Anthracene	178	7.931	7.931	0.000	83	42477	0.1569	
17 Fluoranthene	202	9.060	9.060	0.000	98	286828	0.9886	
18 Pyrene	202	9.295	9.295	0.000	97	240061	0.8071	
19 Benzo[a]anthracene	228	10.638	10.643	-0.005	96	121239	0.5289	
20 Chrysene	228	10.686	10.691	-0.005	94	141552	0.6265	
21 Benzo[b]fluoranthene	252	12.269	12.269	0.006	96	135777	0.6294	M
22 Benzo[k]fluoranthene	252	12.296	12.296	-0.010	86	53155	0.2649	M
23 Benzo[a]pyrene	252	12.884	12.884	0.000	96	76545	0.4404	
24 Indeno[1,2,3-cd]pyrene	276	15.558	15.574	-0.016	97	49353	0.2911	
26 Benzo[g,h,i]perylene	276	16.366	16.371	-0.005	79	52368	0.3496	

QC Flag Legend

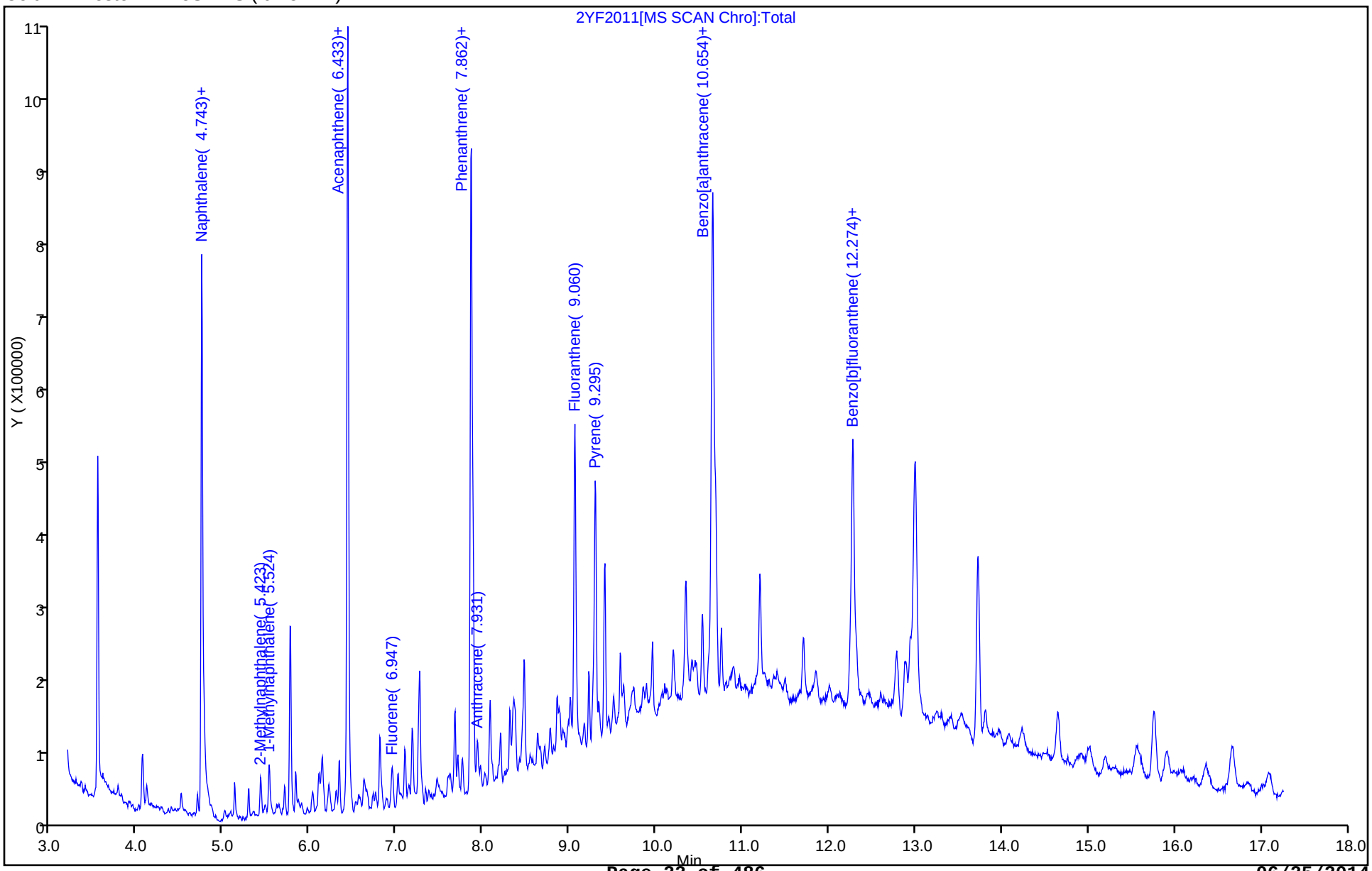
Review Flags
M - Manually Integrated

Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2	Worklist Smp#:	11
Client ID:	CV1040-CS-6				
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)

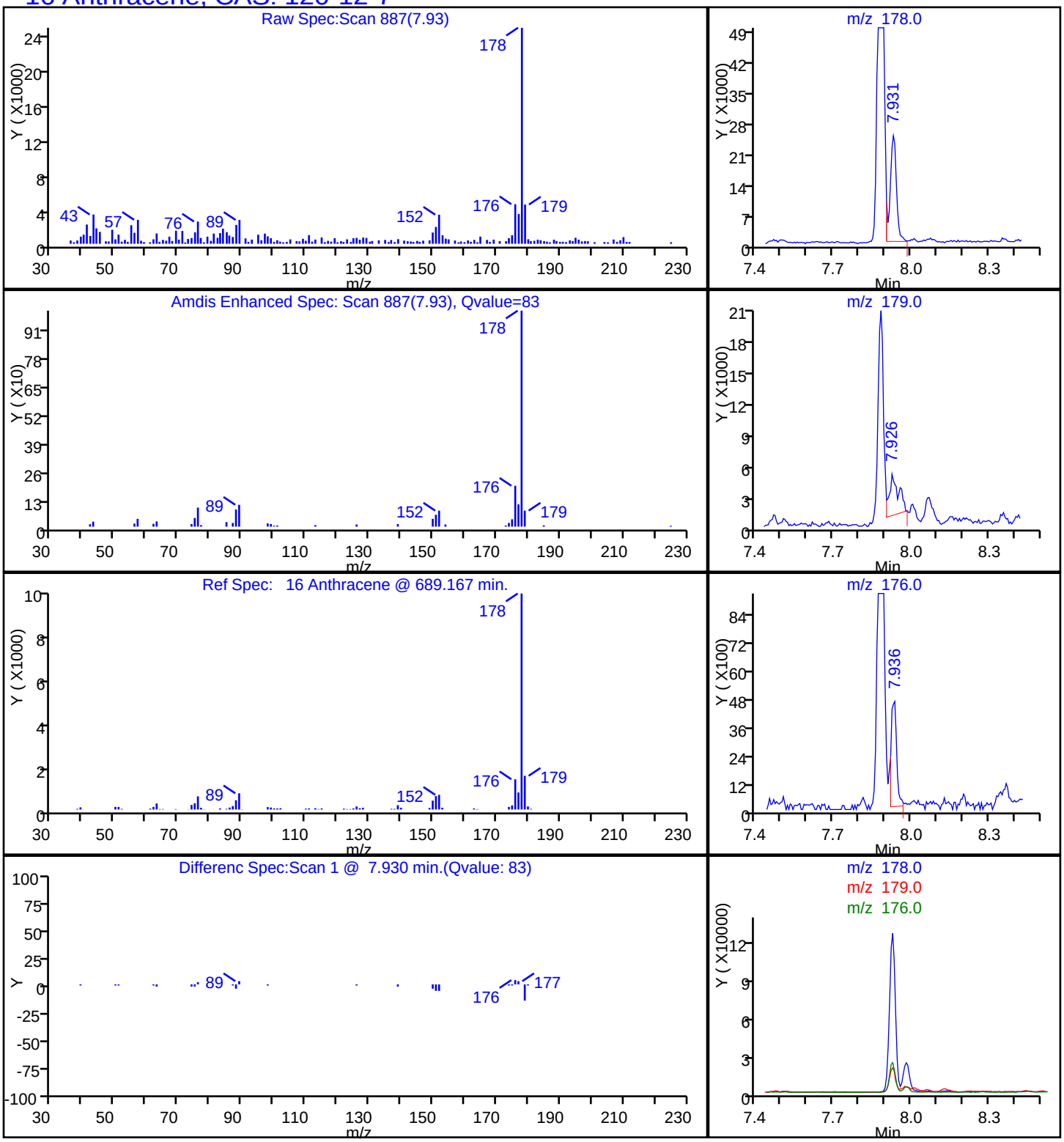


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

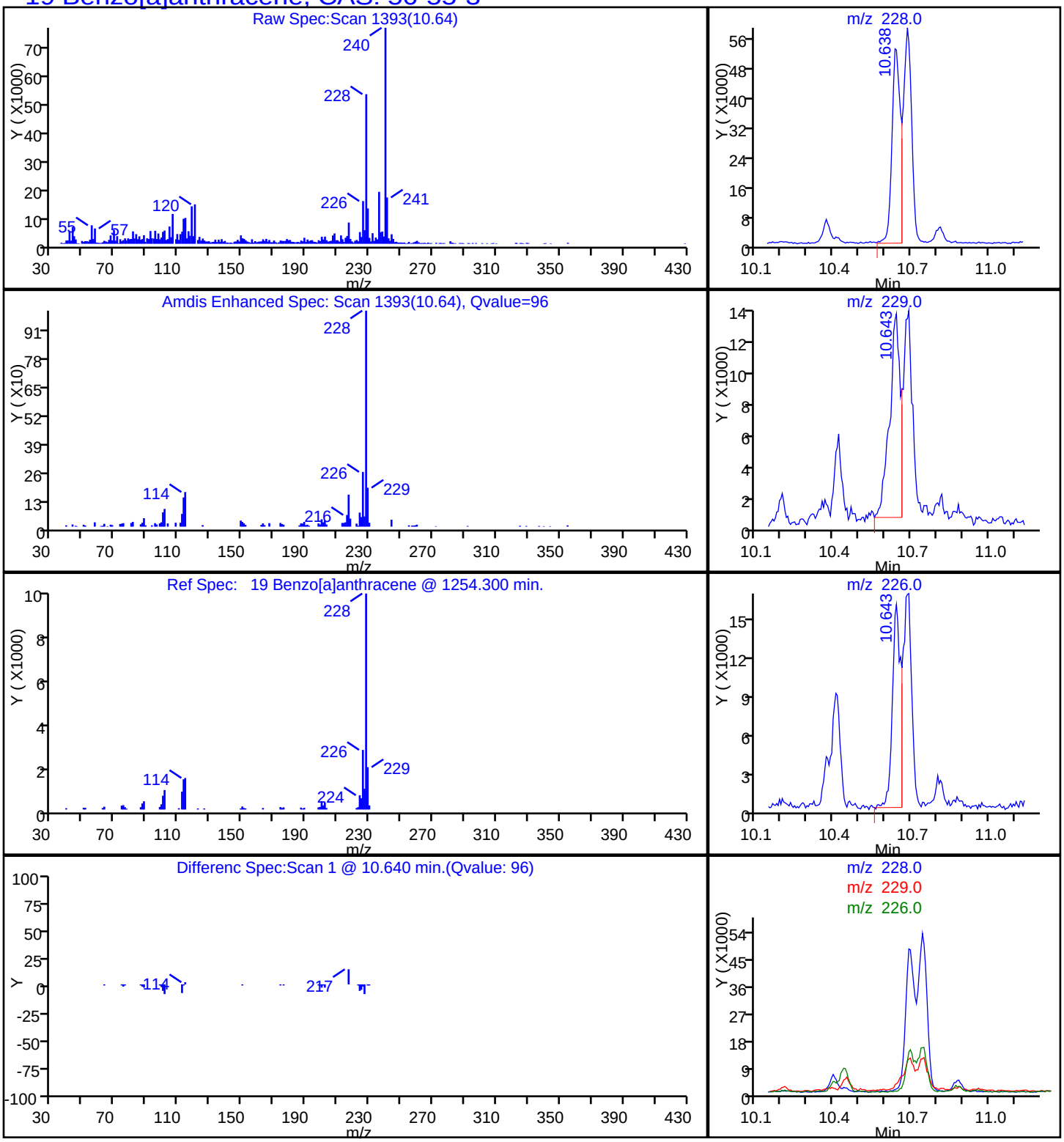


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

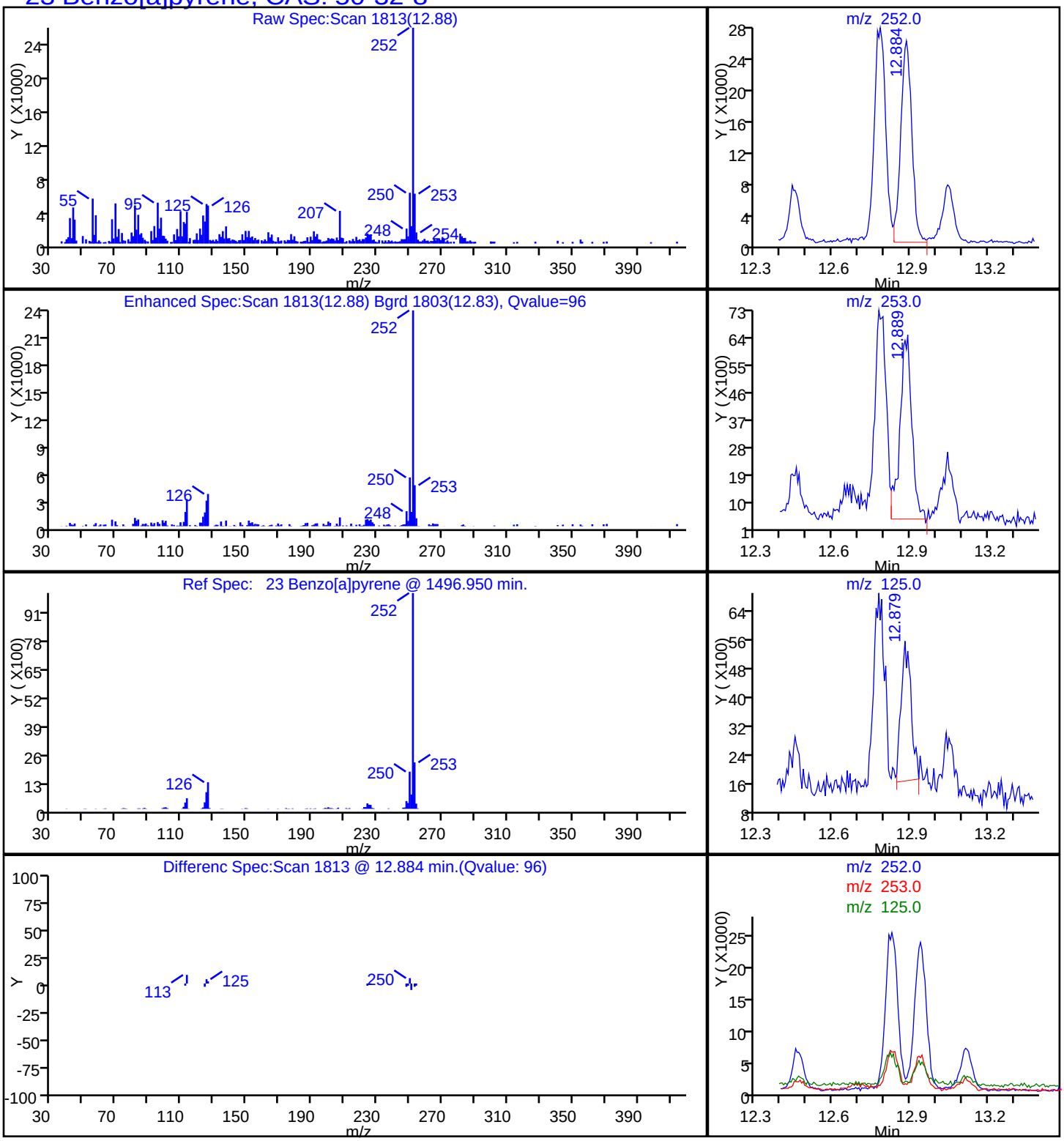


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

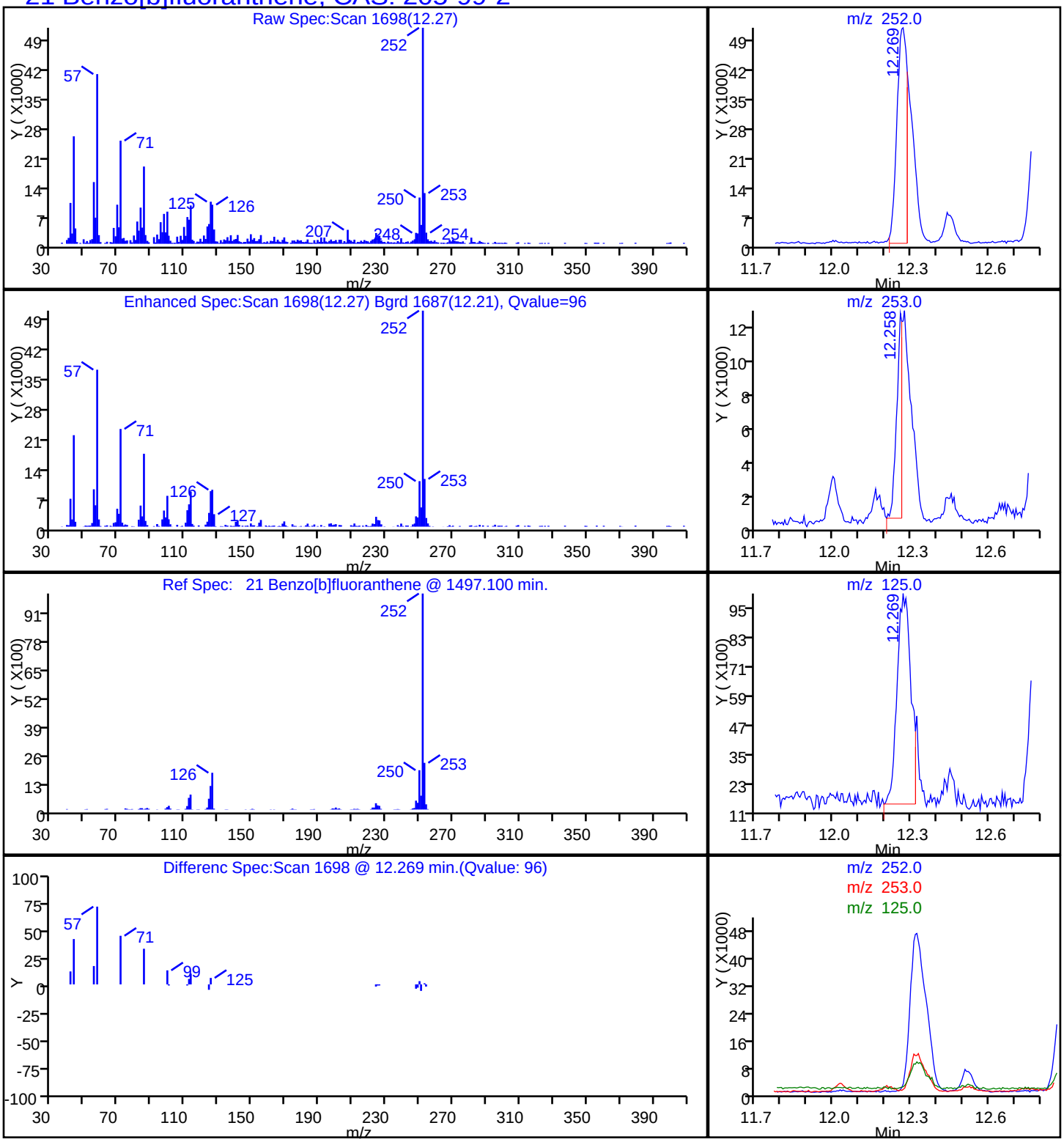


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

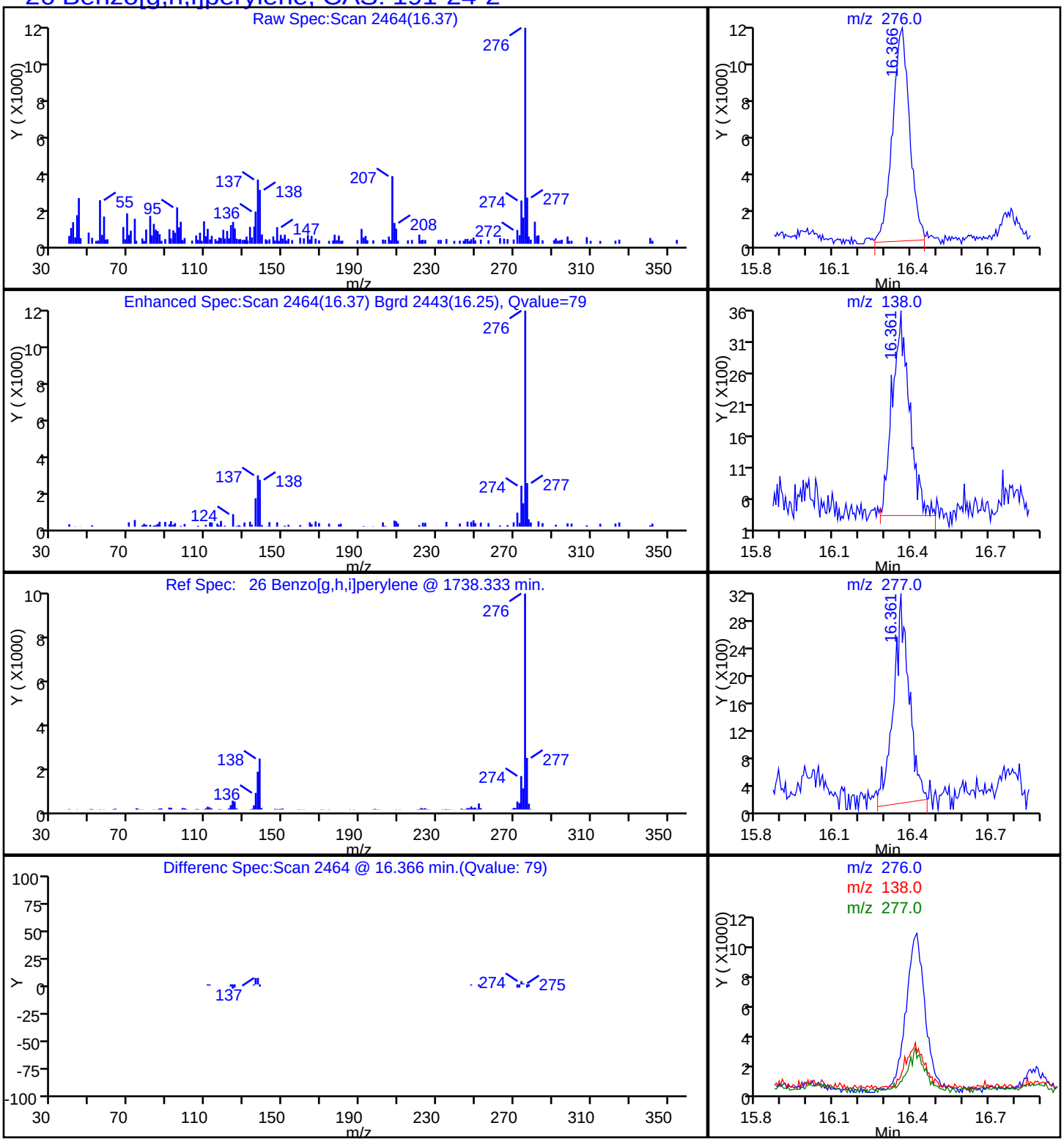


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

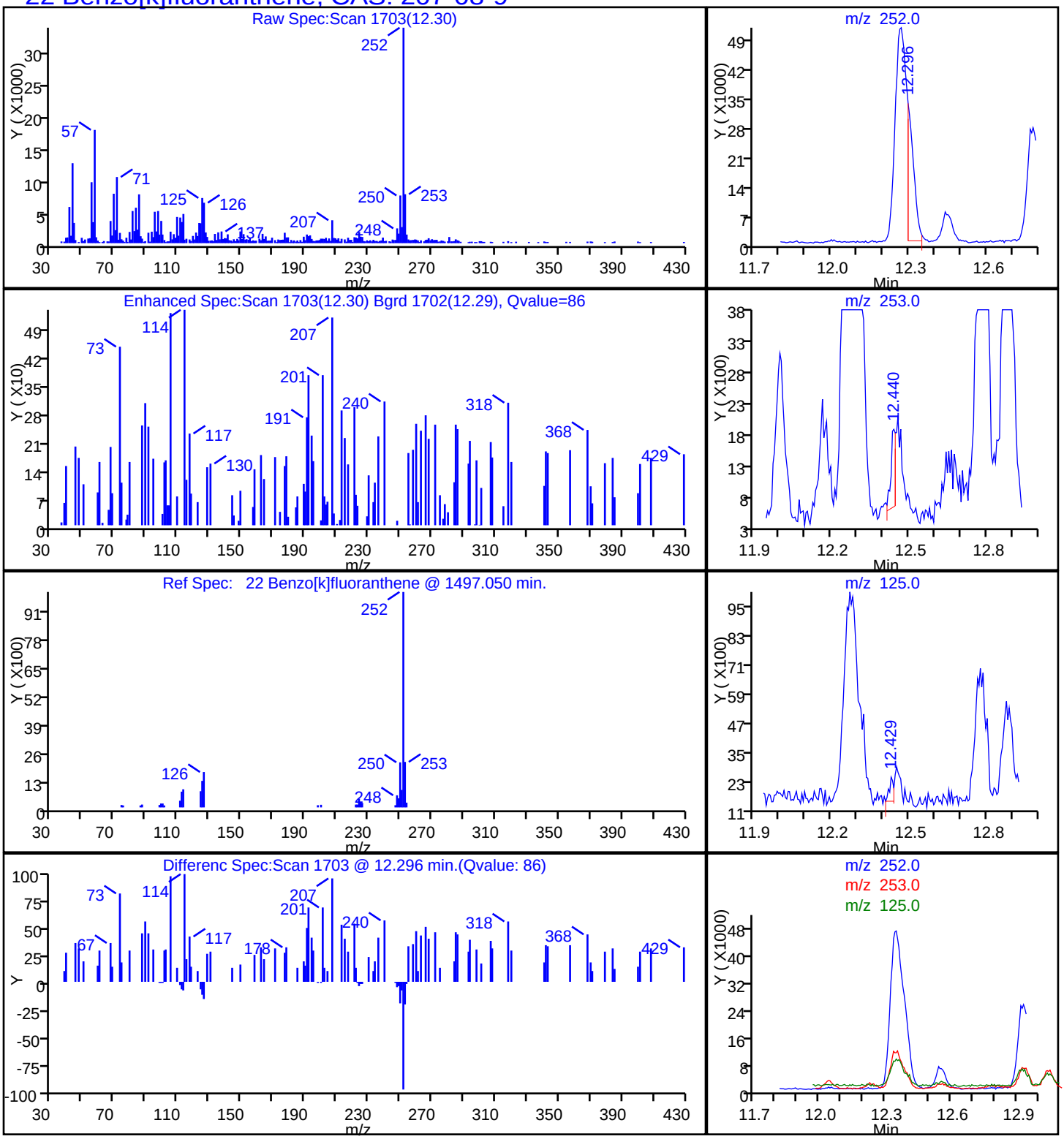


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

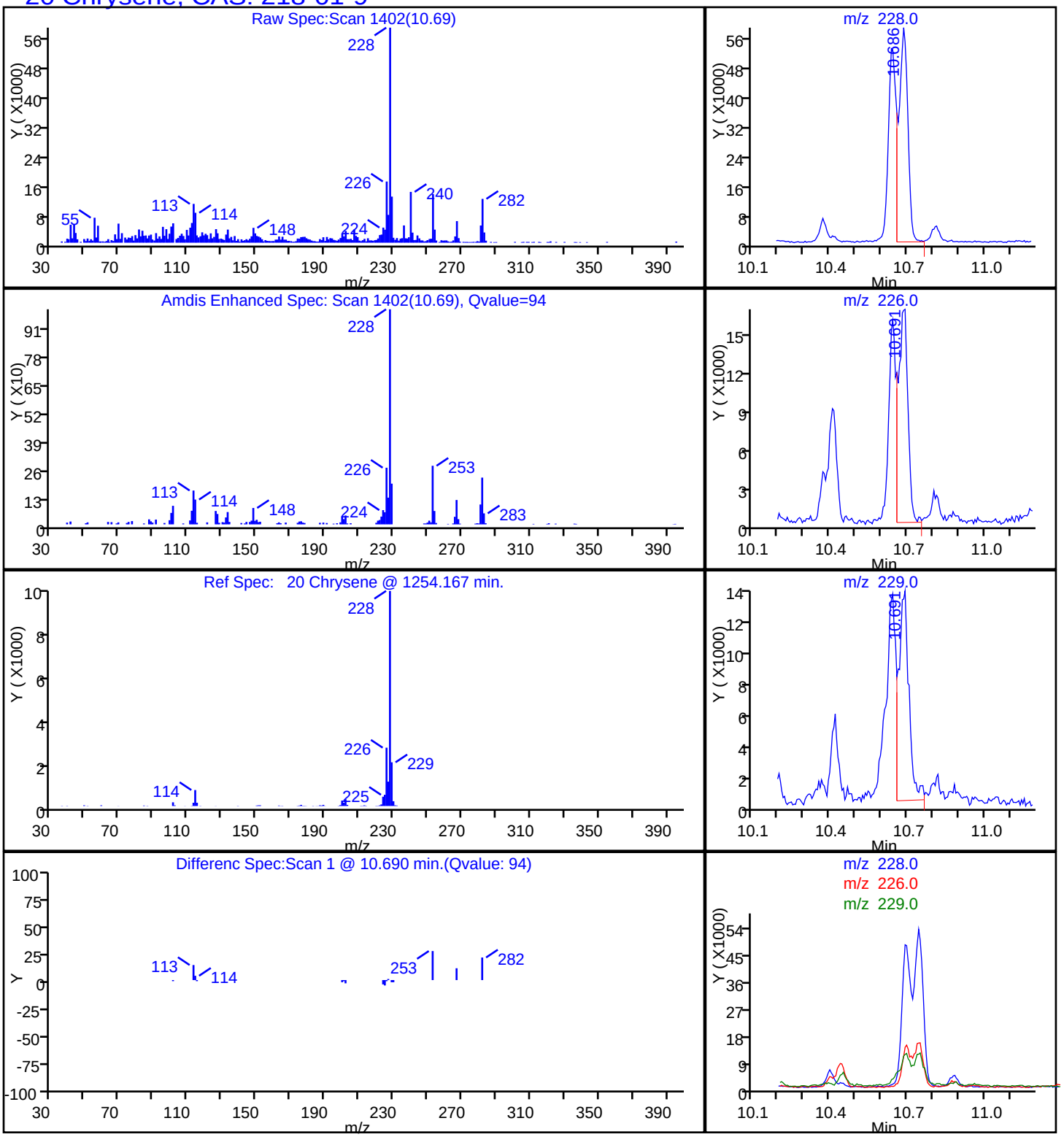


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

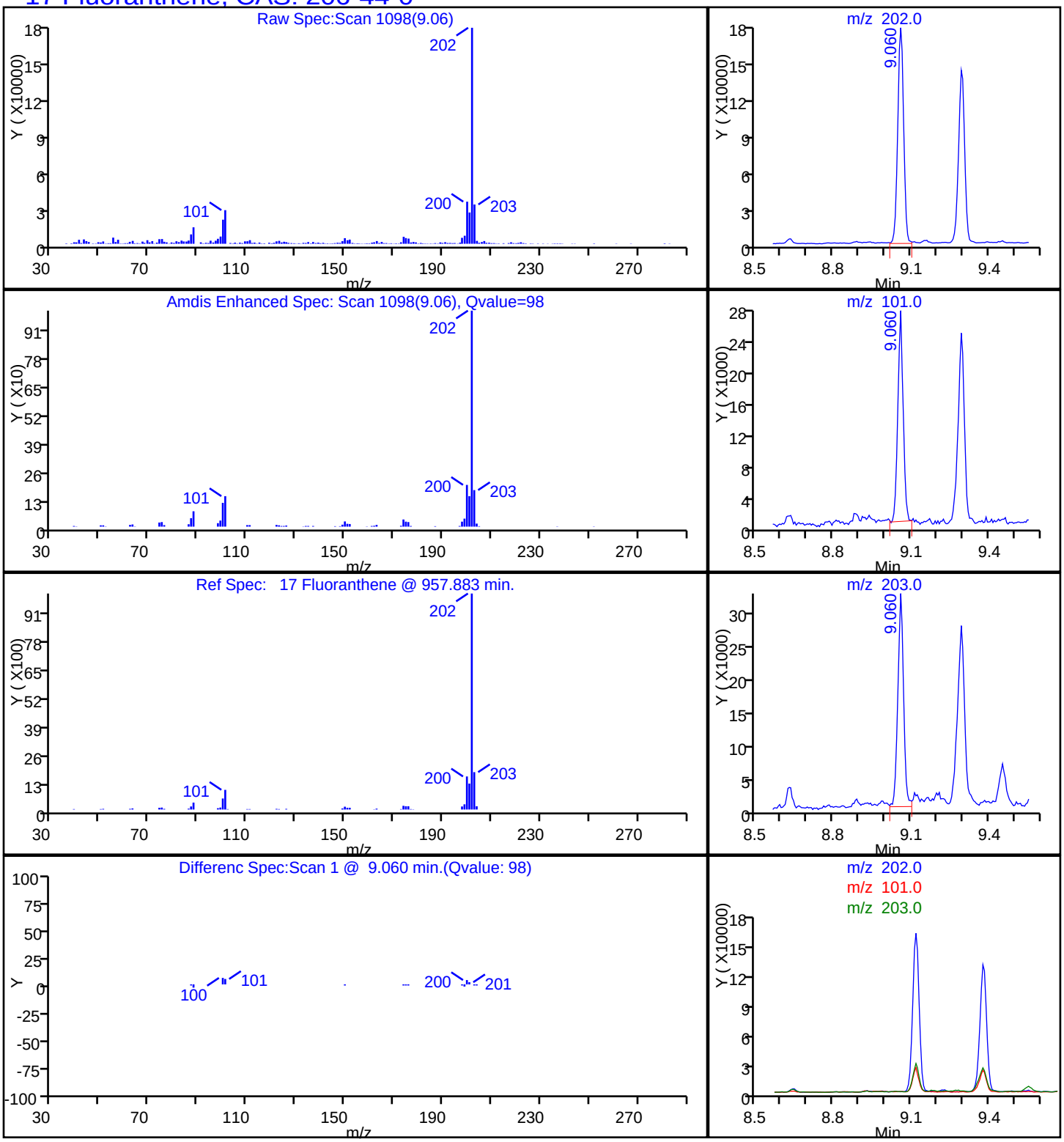


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

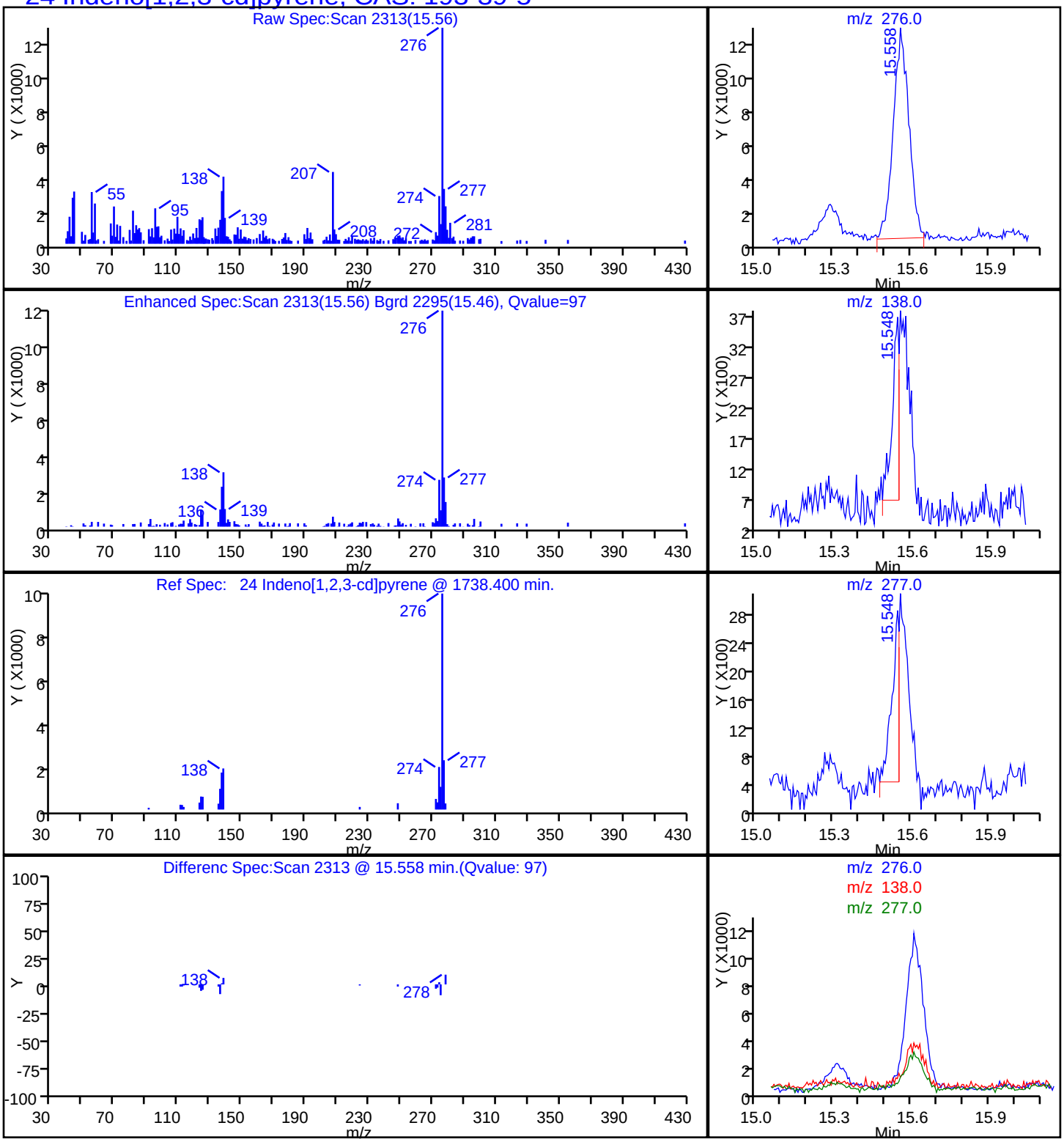


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

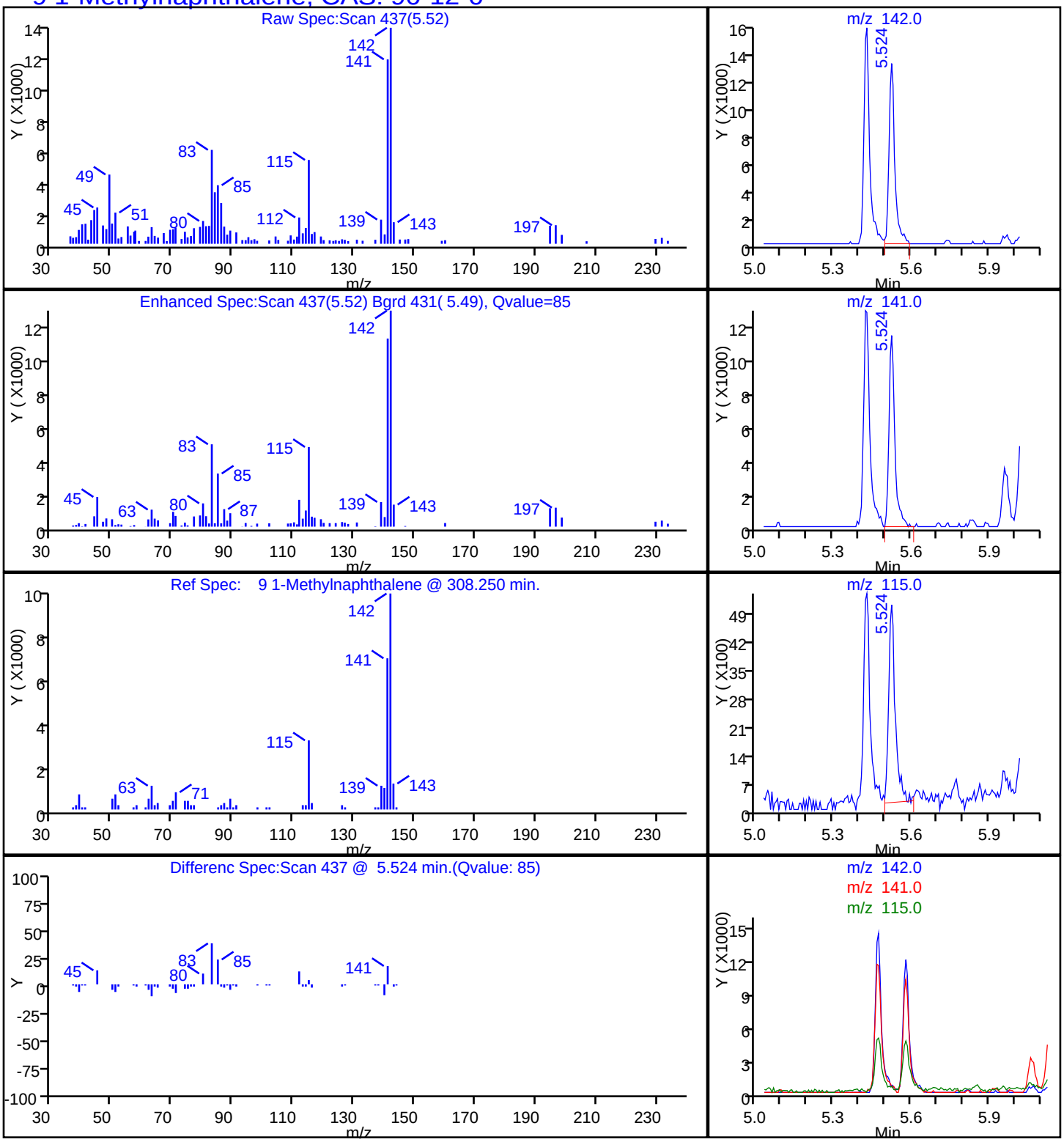


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

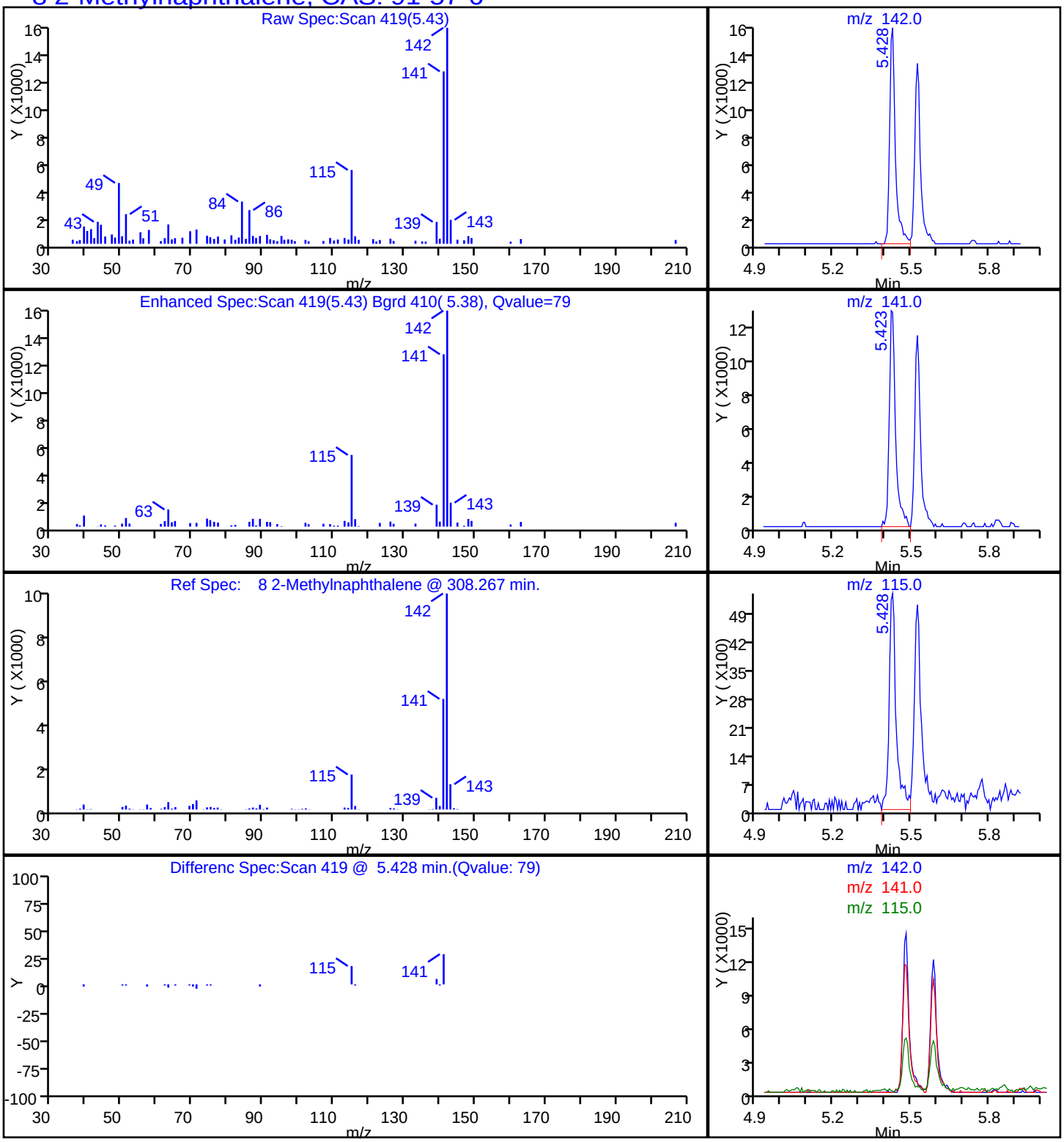


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

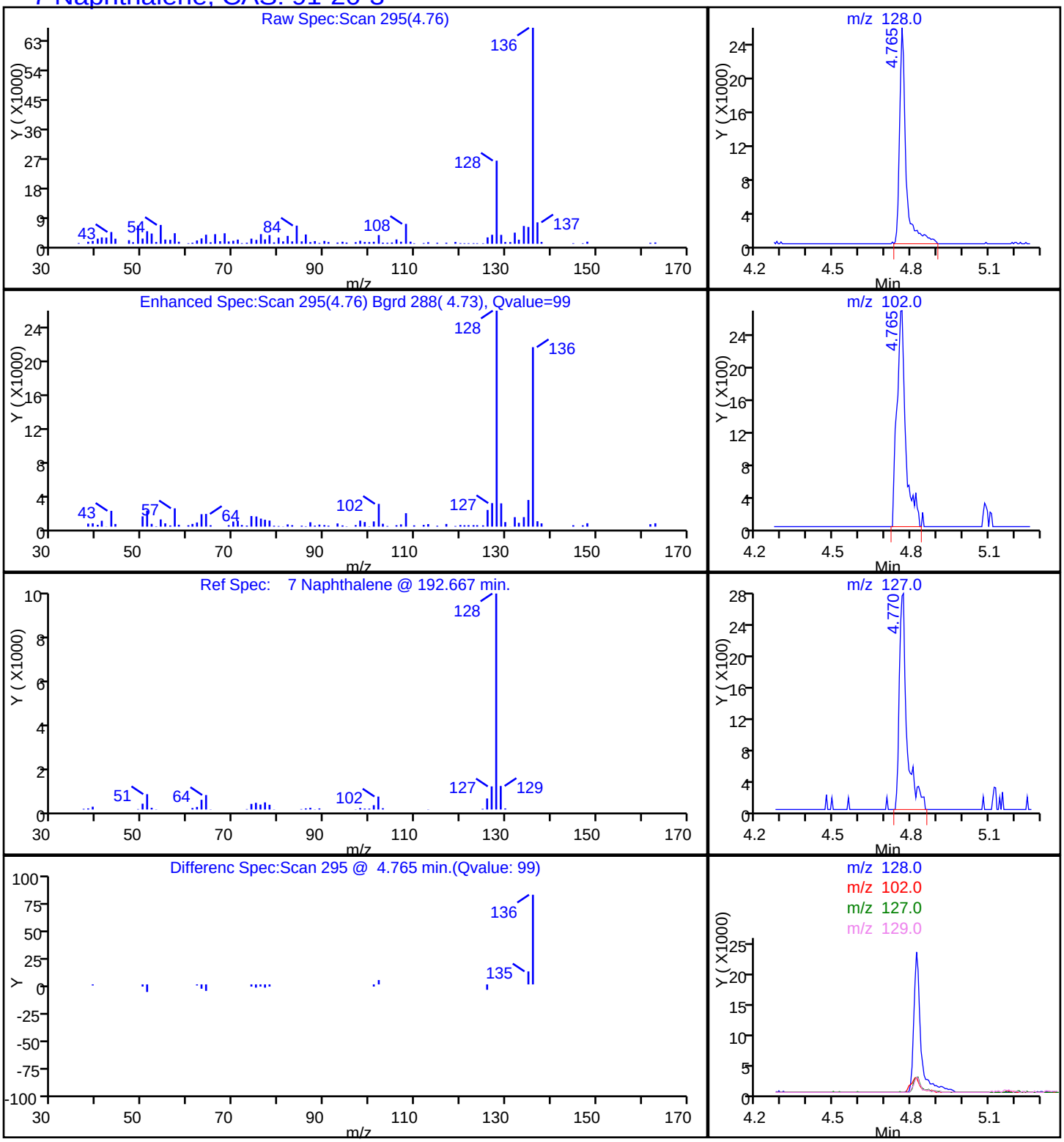


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

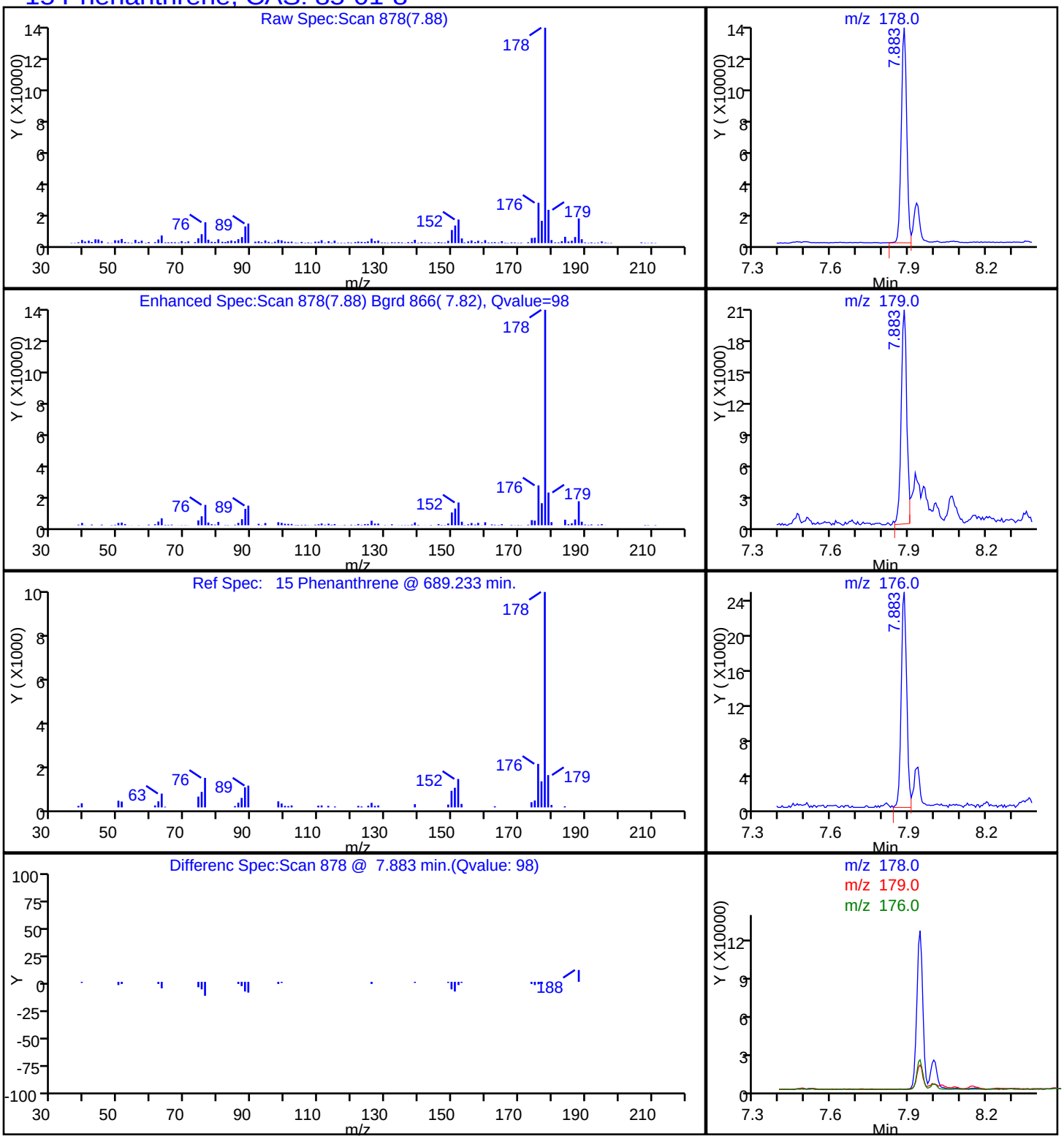


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

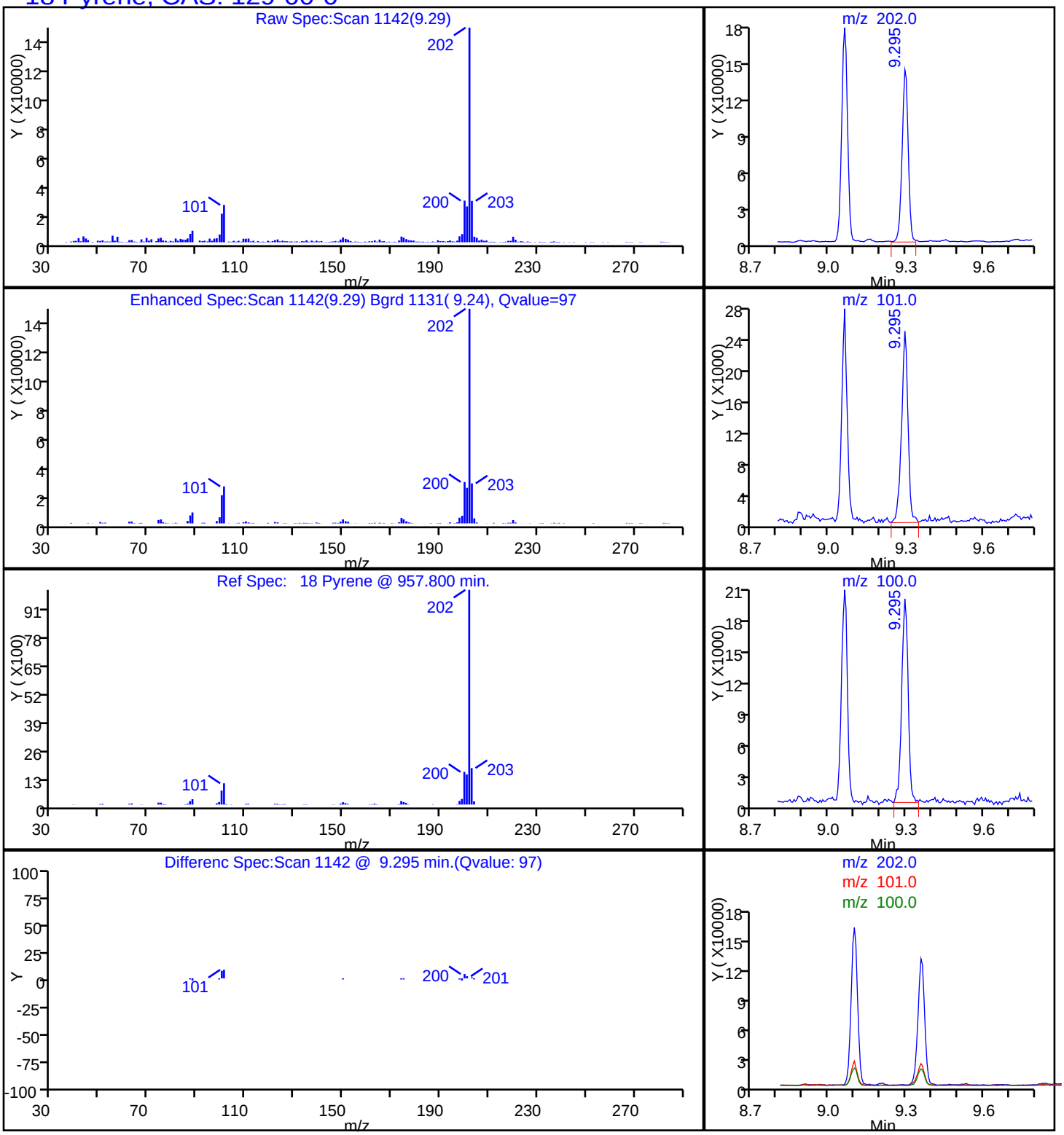


Report Date: 20-Jun-2014 16:30:29 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	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

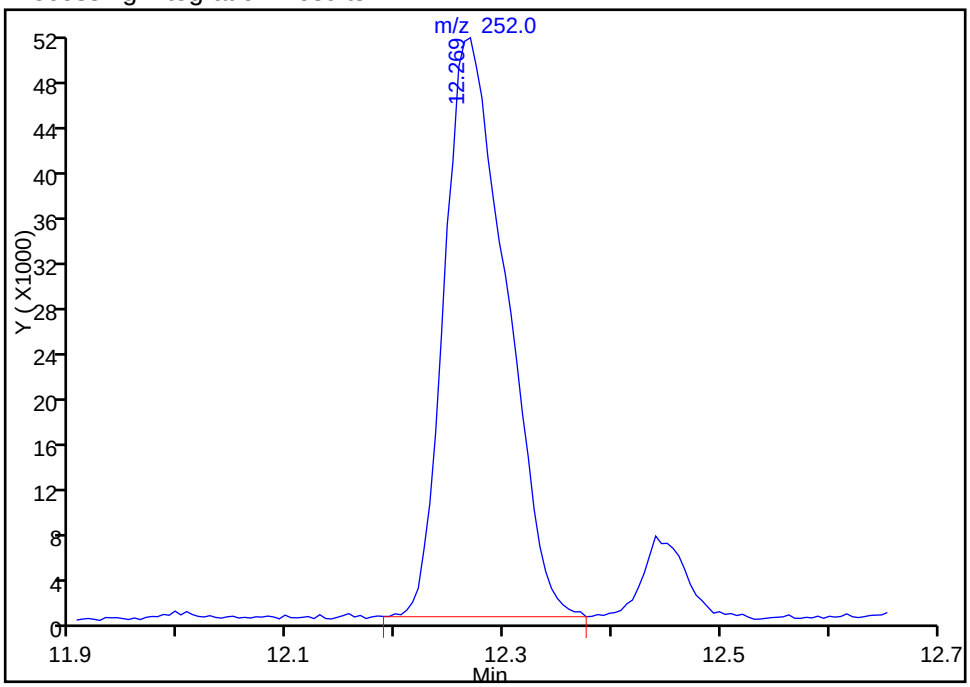
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

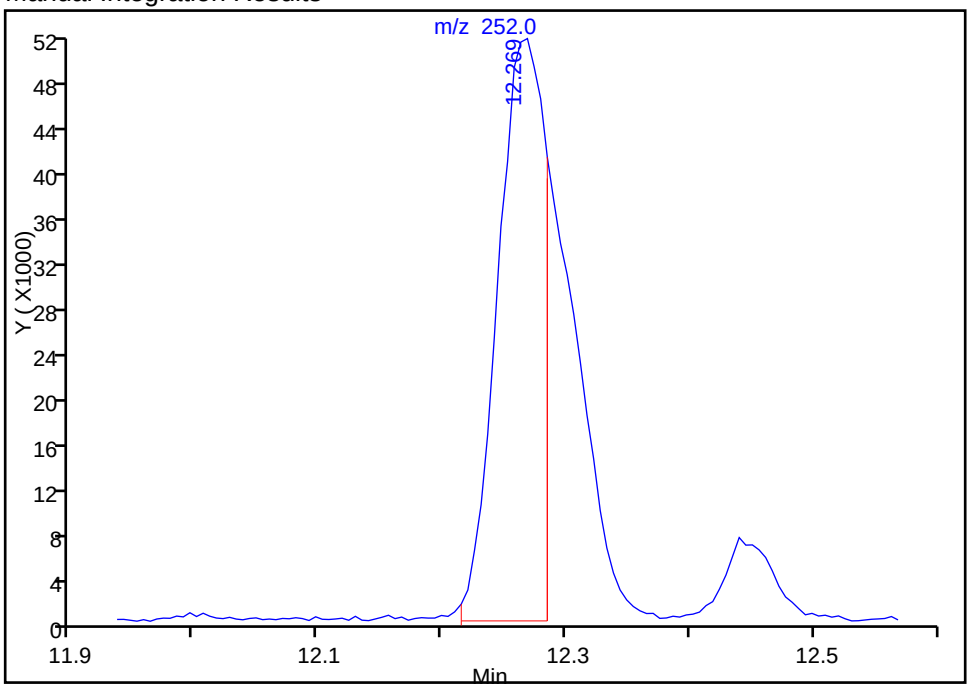
Processing Integration Results

RT: 12.27
Response: 201648
Amount: 0.934821



Manual Integration Results

RT: 12.27
Response: 135777
Amount: 0.629449



Reviewer: moorer, 20-Jun-2014 16:30:28
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

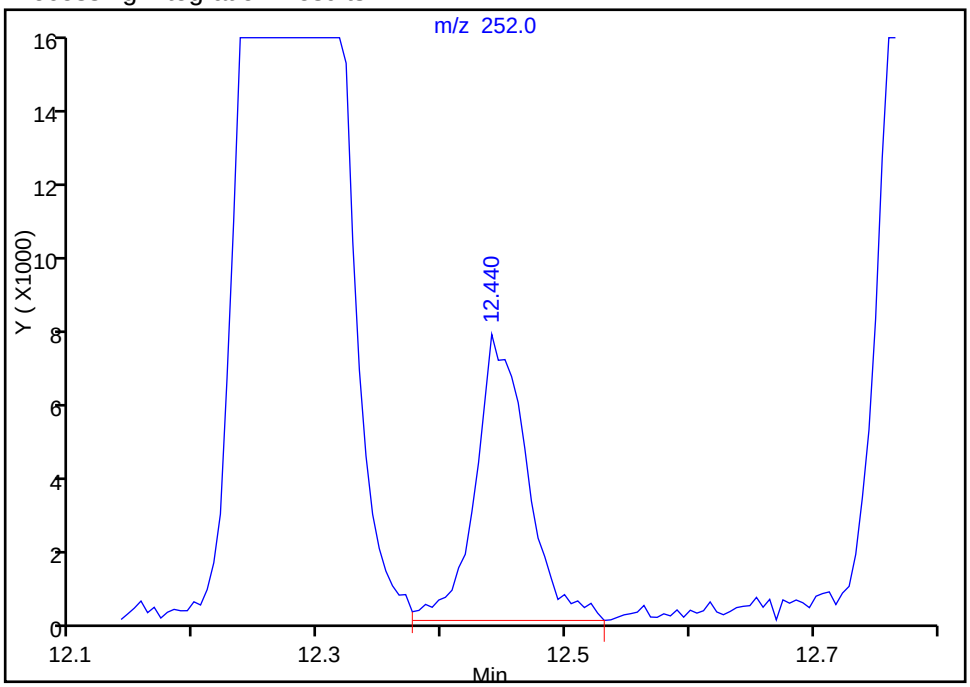
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2011.D				
Injection Date:	20-Jun-2014 13:42:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-2-C	Lab Sample ID:	680-102328-2		
Client ID:	CV1040-CS-6				
Operator ID:	RM	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	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

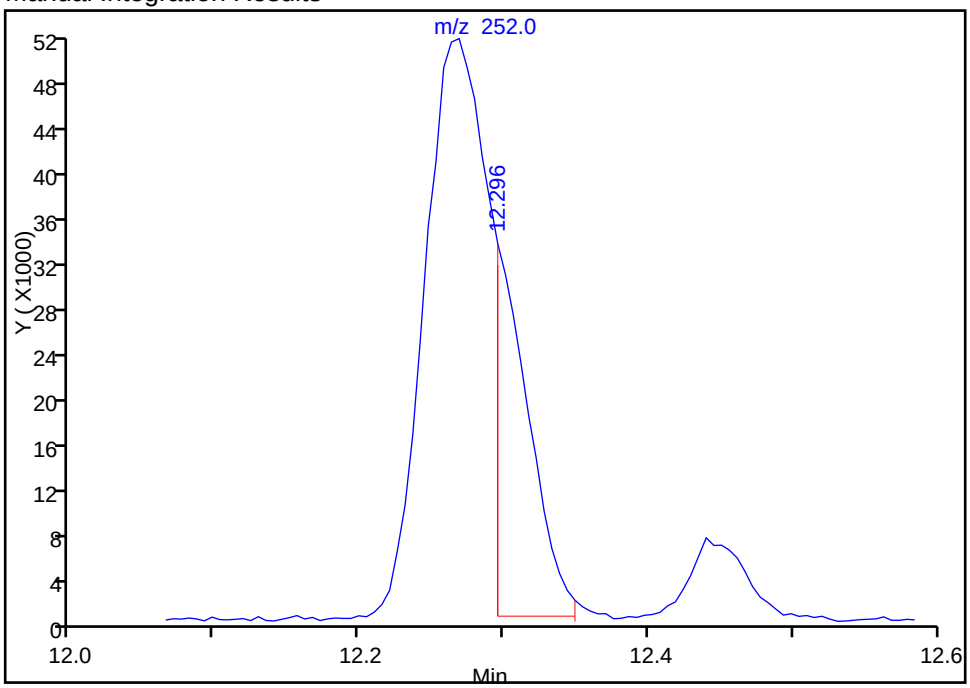
Processing Integration Results

RT: 12.44
Response: 21334
Amount: 0.106305



Manual Integration Results

RT: 12.30
Response: 53155
Amount: 0.264866



Reviewer: moorer, 20-Jun-2014 16:30:28
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-102328-1
SDG No.: 680-102328-01
Client Sample ID: CV1040-CS-12
Lab Sample ID: 680-102328-3
Matrix: Solid
Lab File ID: 2YF2012.D
Analysis Method: 8270D_LL_PAH
Date Collected: 06/12/2014 09:30
Extract. Method: 3546
Date Extracted: 06/19/2014 11:14
Sample wt/vol: 29.99(g)
Date Analyzed: 06/20/2014 14:05
Con. Extract Vol.: 1(mL)
Dilution Factor: 10
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 21.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 335312
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	85	U	85	42
208-96-8	Acenaphthylene	85	U	85	42
120-12-7	Anthracene	52	J	85	42
56-55-3	Benzo[a]anthracene	240		85	42
50-32-8	Benzo[a]pyrene	240		85	15
205-99-2	Benzo[b]fluoranthene	380		85	42
191-24-2	Benzo[g,h,i]perylene	85	U	85	42
207-08-9	Benzo[k]fluoranthene	100		85	25
218-01-9	Chrysene	300		85	42
53-70-3	Dibenz(a,h)anthracene	85	U	85	42
206-44-0	Fluoranthene	430		85	42
86-73-7	Fluorene	85	U	85	42
193-39-5	Indeno[1,2,3-cd]pyrene	85	U	85	42
90-12-0	1-Methylnaphthalene	73	J	85	39
91-57-6	2-Methylnaphthalene	73	J	85	42
91-20-3	Naphthalene	57	J	85	42
85-01-8	Phenanthrene	290		85	30
129-00-0	Pyrene	340		85	42

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D
Lims ID: 680-102328-A-3-D Lab Sample ID: 680-102328-3
Client ID: CV1040-CS-12
Sample Type: Client
Inject. Date: 20-Jun-2014 14:05:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 102328-A-3-D; DL10
Misc. Info.: 680-0010283-012 =680-0010283-012
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 16:34:12 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 16:34:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.743	4.743	0.000	99	552377	2.00	
* 2 Acenaphthene-d10	164	6.434	6.433	0.001	92	308266	2.00	
* 3 Phenanthrene-d10	188	7.862	7.856	0.006	99	439281	2.00	
* 4 Chrysene-d12	240	10.654	10.654	0.000	98	366560	2.00	
* 5 Perylene-d12	264	12.991	12.991	0.000	96	320822	2.00	
7 Naphthalene	128	4.765	4.765	0.000	98	41664	0.1359	
8 2-Methylnaphthalene	142	5.428	5.428	0.000	82	31722	0.1718	
9 1-Methylnaphthalene	142	5.524	5.524	0.000	79	32245	0.1717	
15 Phenanthrene	178	7.883	7.883	0.000	98	174547	0.6759	
16 Anthracene	178	7.931	7.931	0.000	1	30683	0.1235	
17 Fluoranthene	202	9.060	9.060	0.000	98	268885	1.01	
18 Pyrene	202	9.295	9.295	0.000	97	228444	0.8046	
19 Benzo[a]anthracene	228	10.643	10.643	0.000	94	123621	0.5649	
20 Chrysene	228	10.686	10.691	-0.005	93	155143	0.7193	
21 Benzo[b]fluoranthene	252	12.269	12.269	0.006	98	177995	0.9041	M
22 Benzo[k]fluoranthene	252	12.306	12.306	0.000	88	44565	0.2433	M
23 Benzo[a]pyrene	252	12.889	12.884	0.005	96	88511	0.5580	

QC Flag Legend

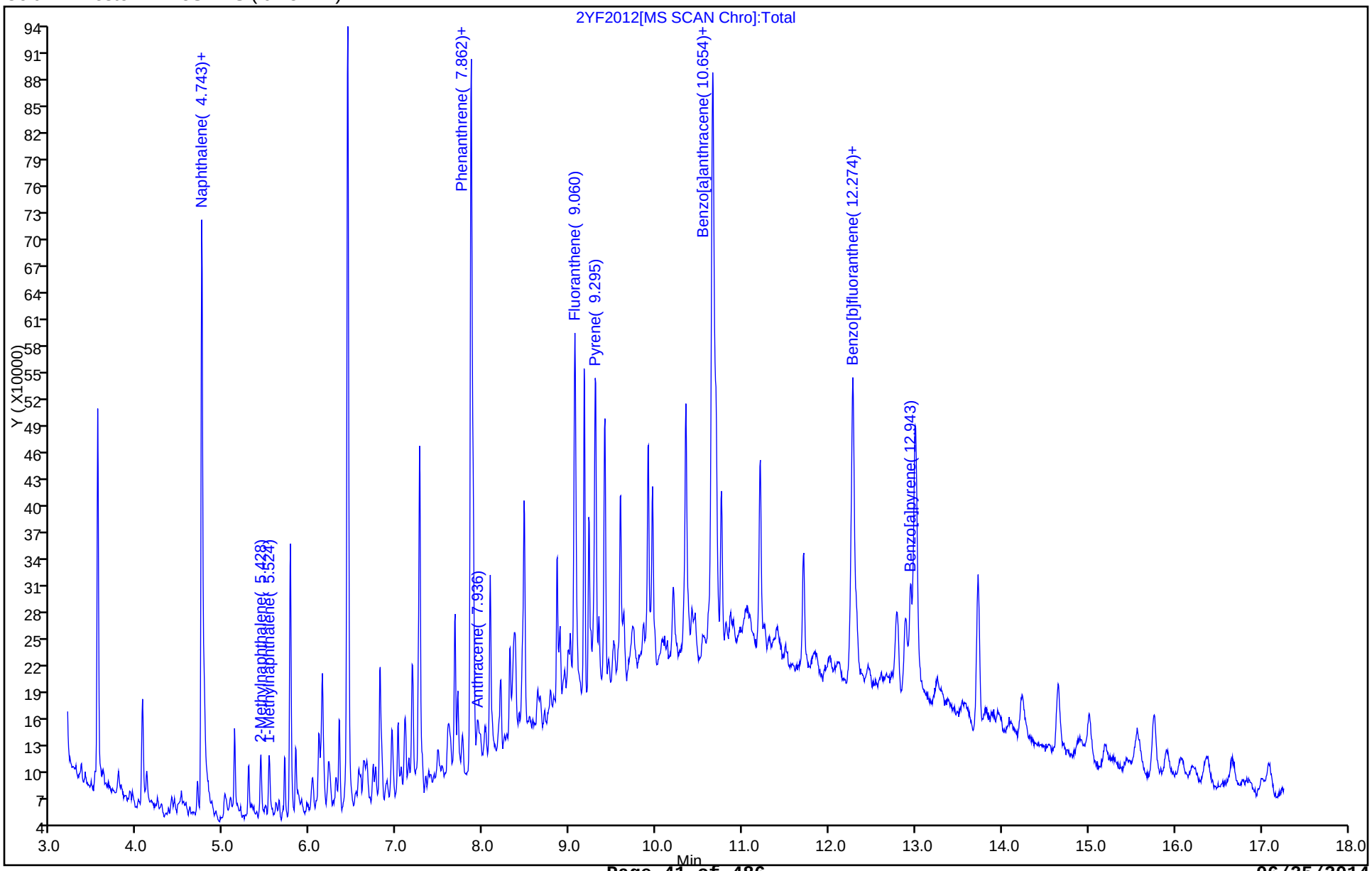
Review Flags
M - Manually Integrated

Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3	Worklist Smp#:	12
Client ID:	CV1040-CS-12				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	12
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

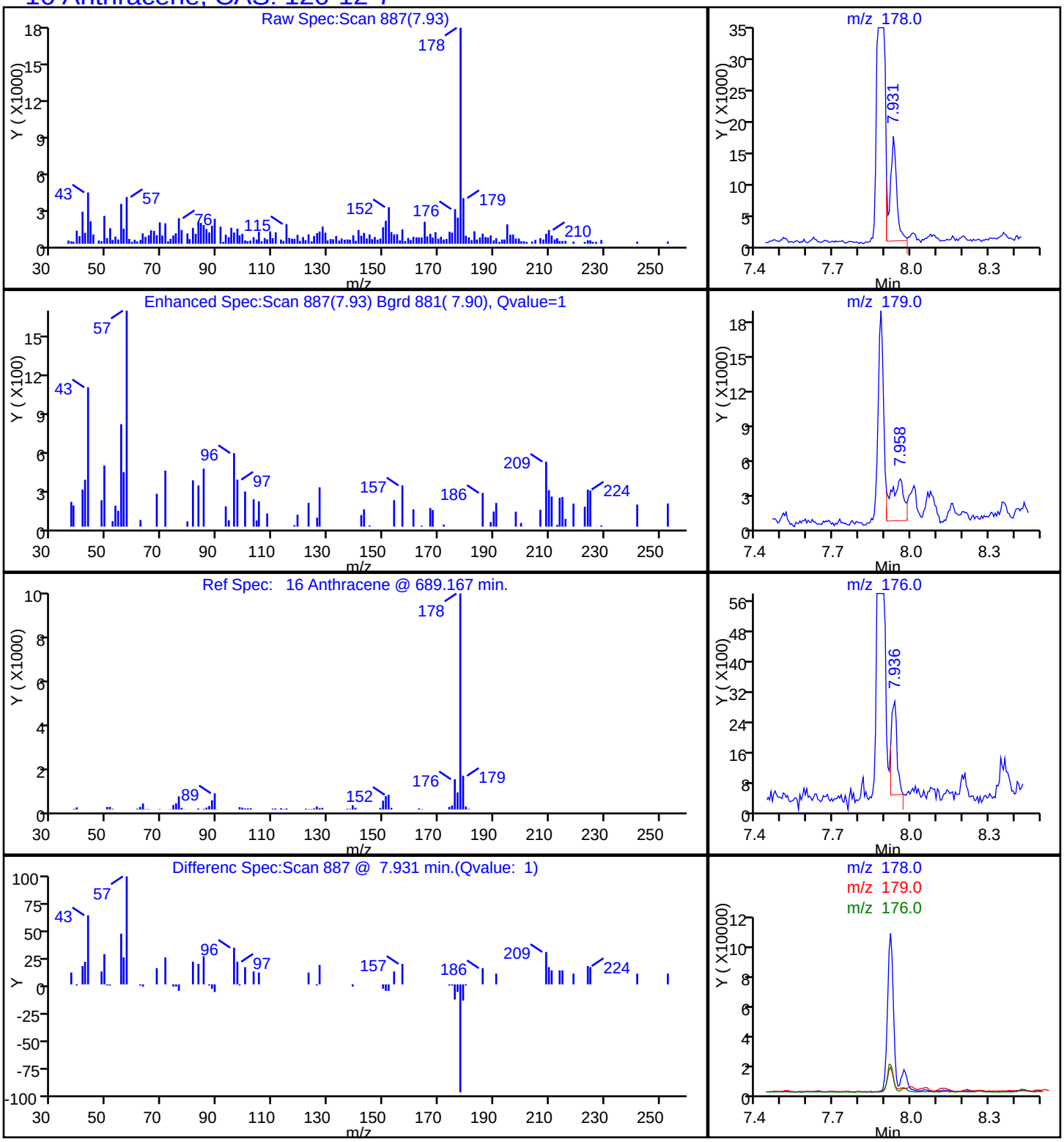


Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

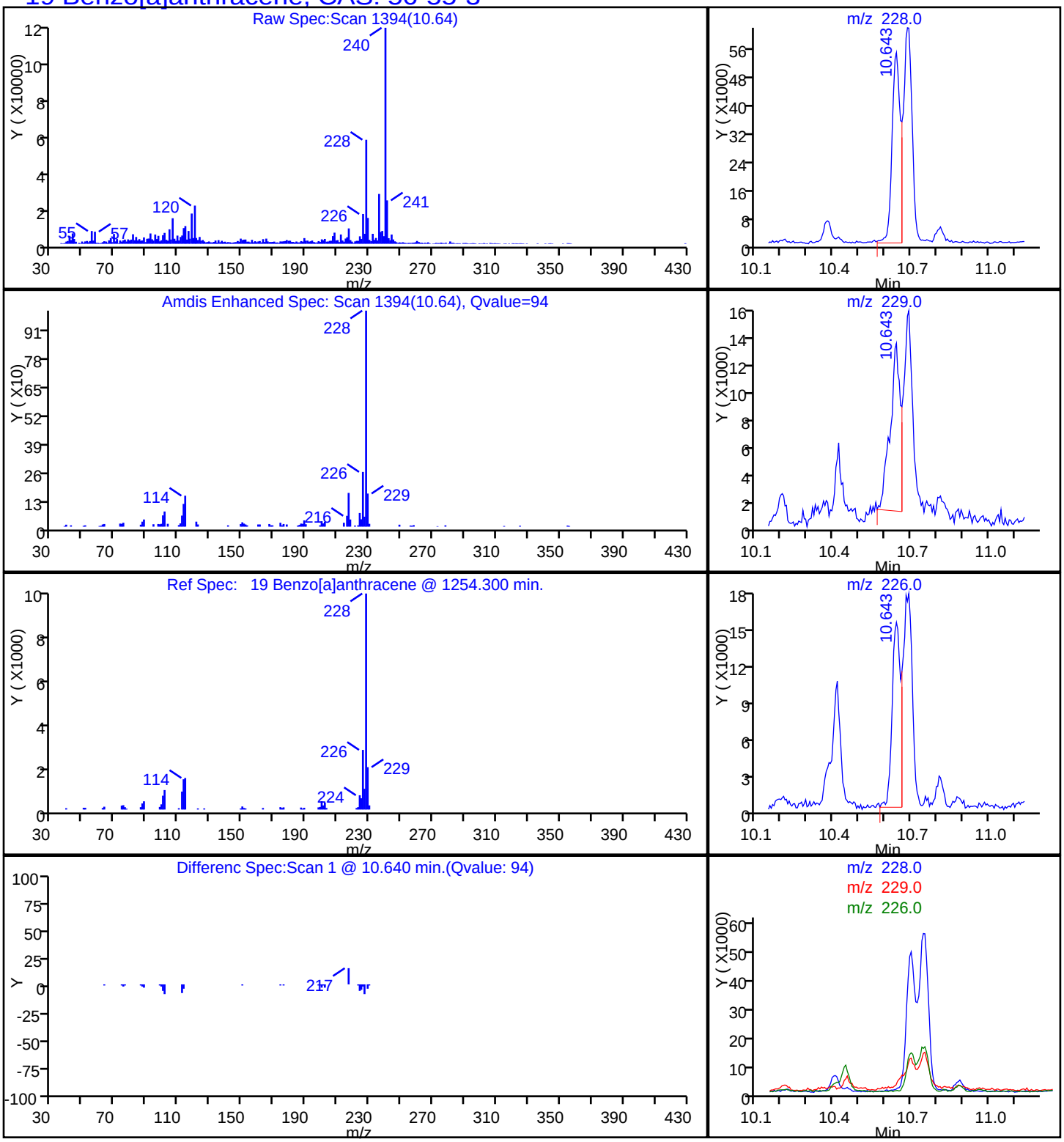


Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

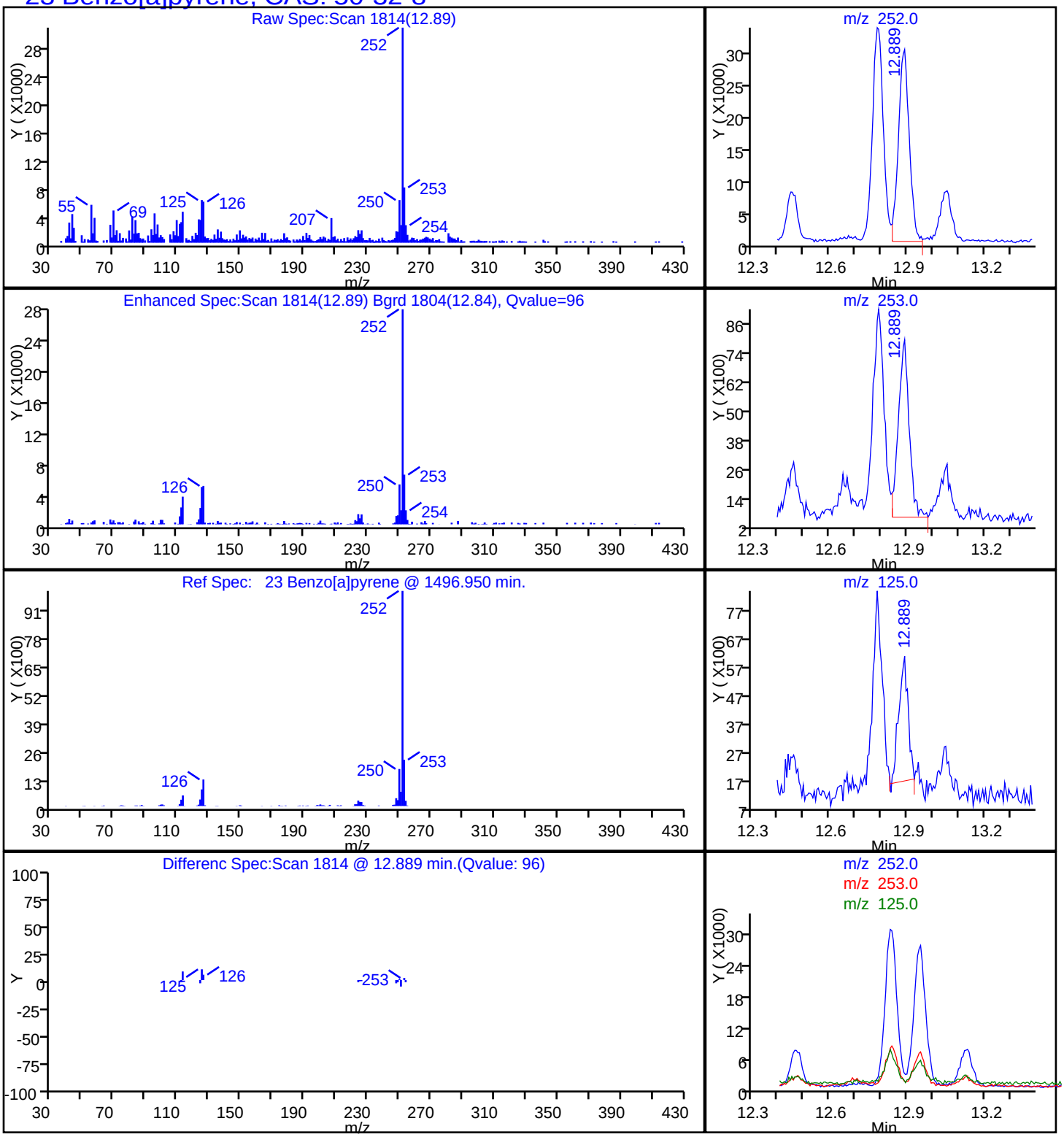


Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

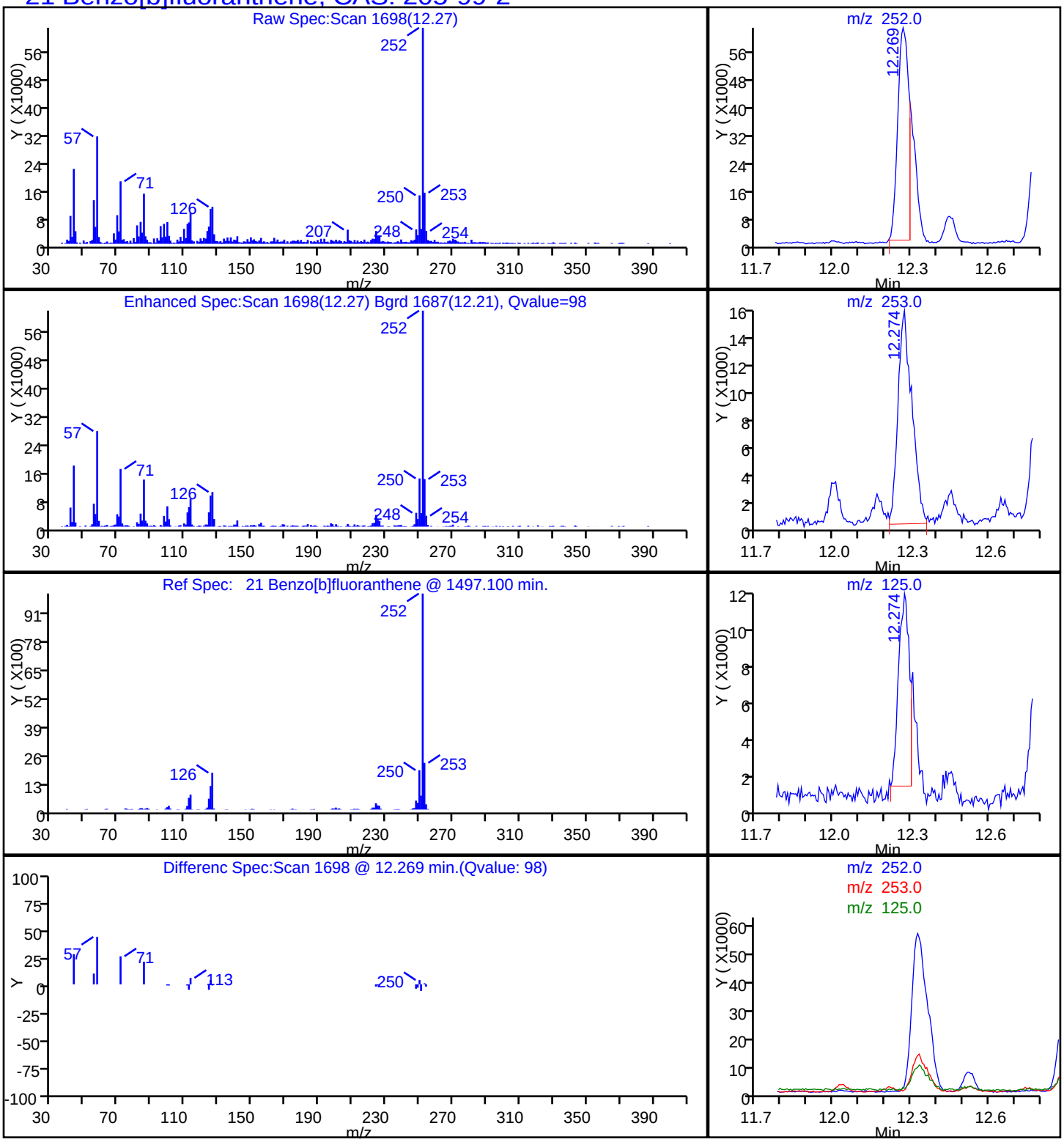


Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

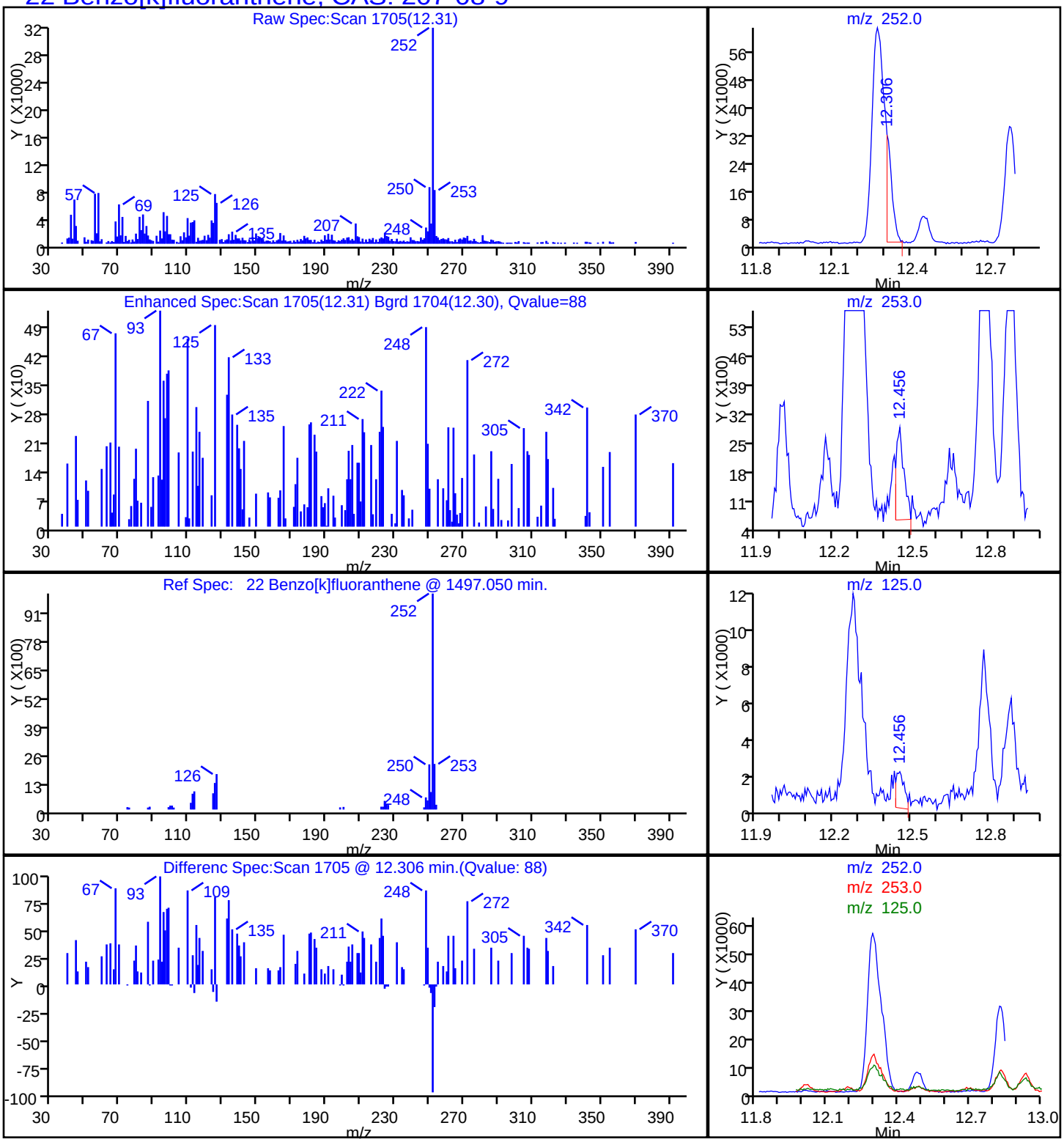


Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

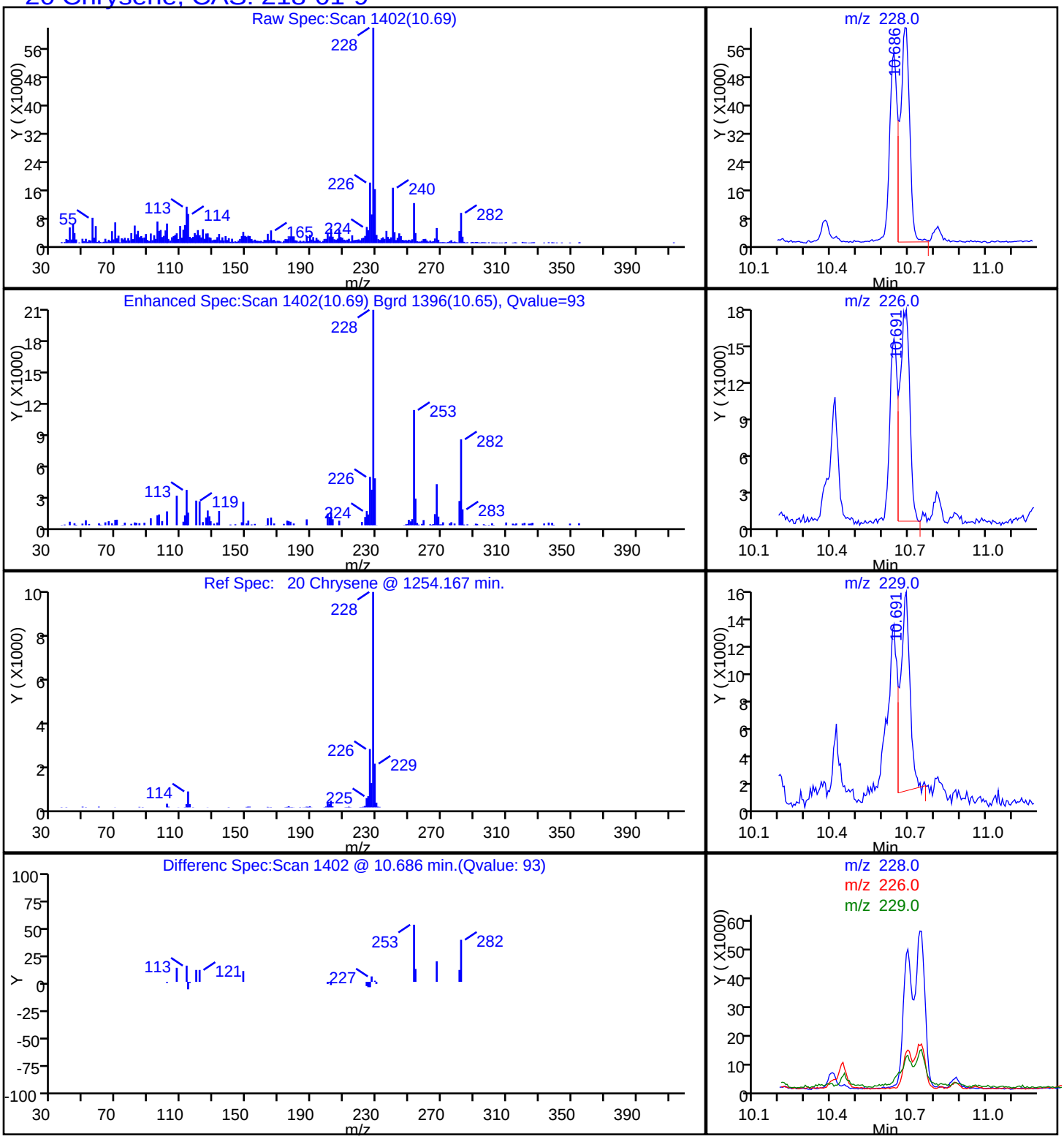


Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

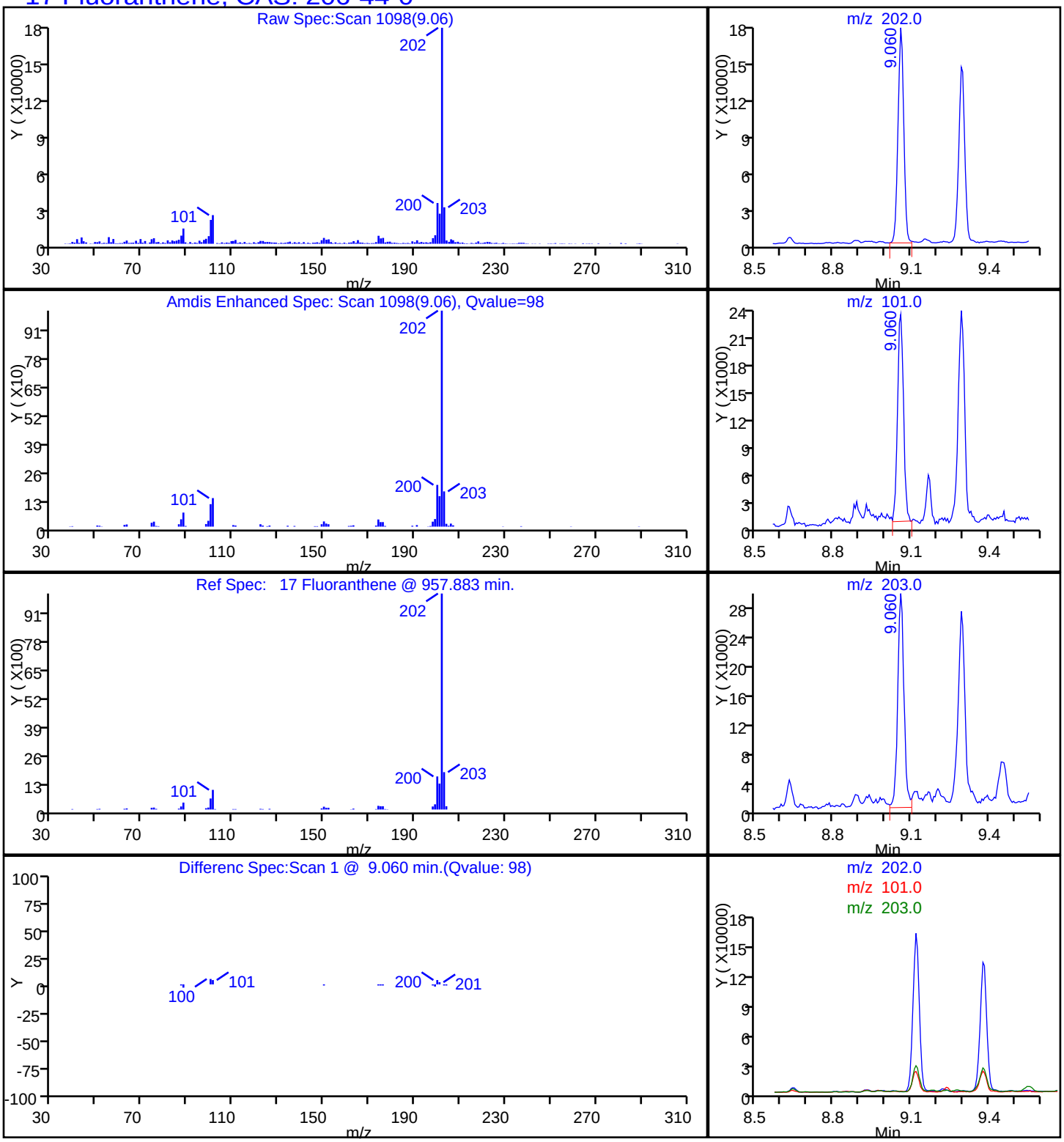


Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

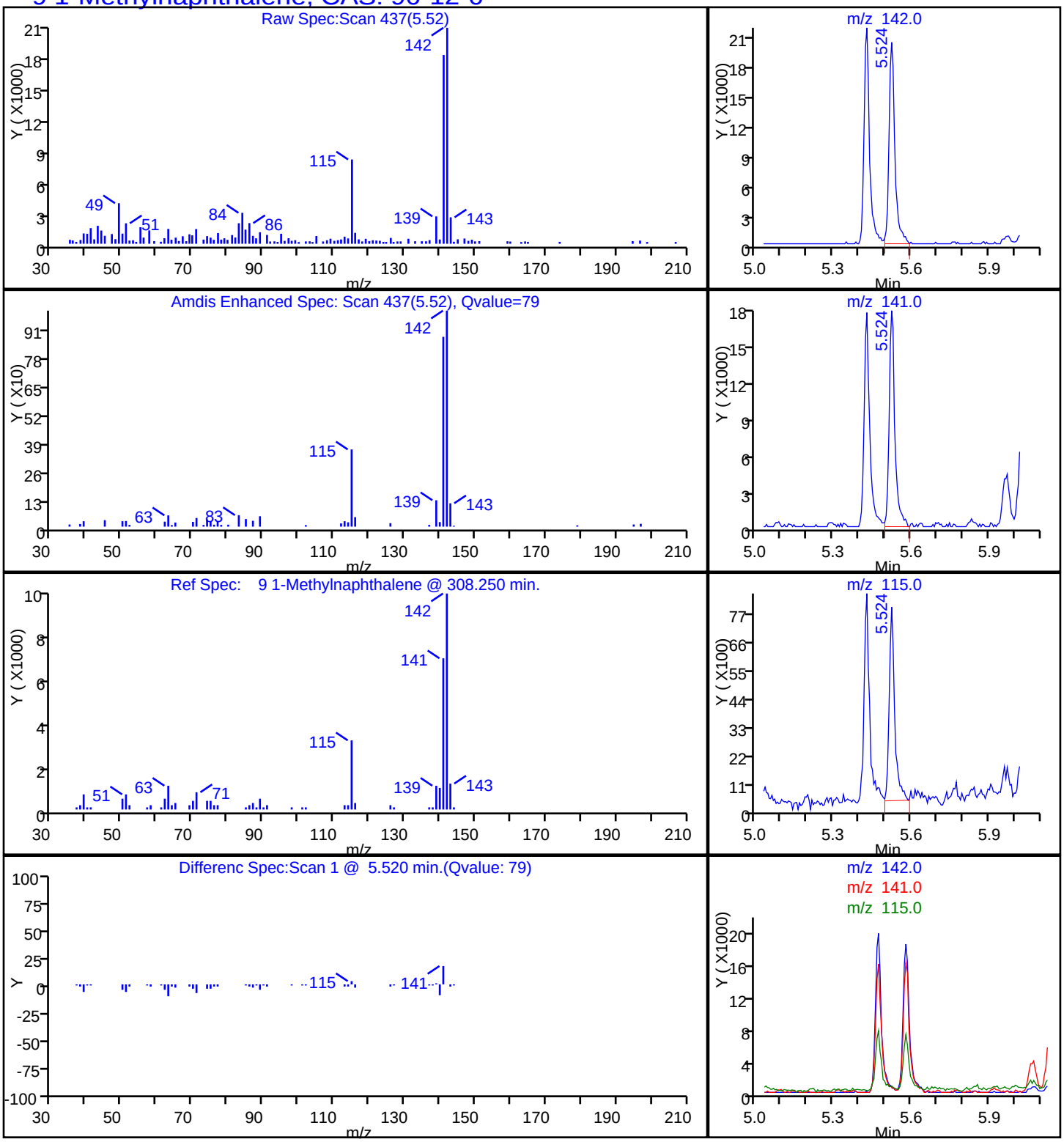


Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

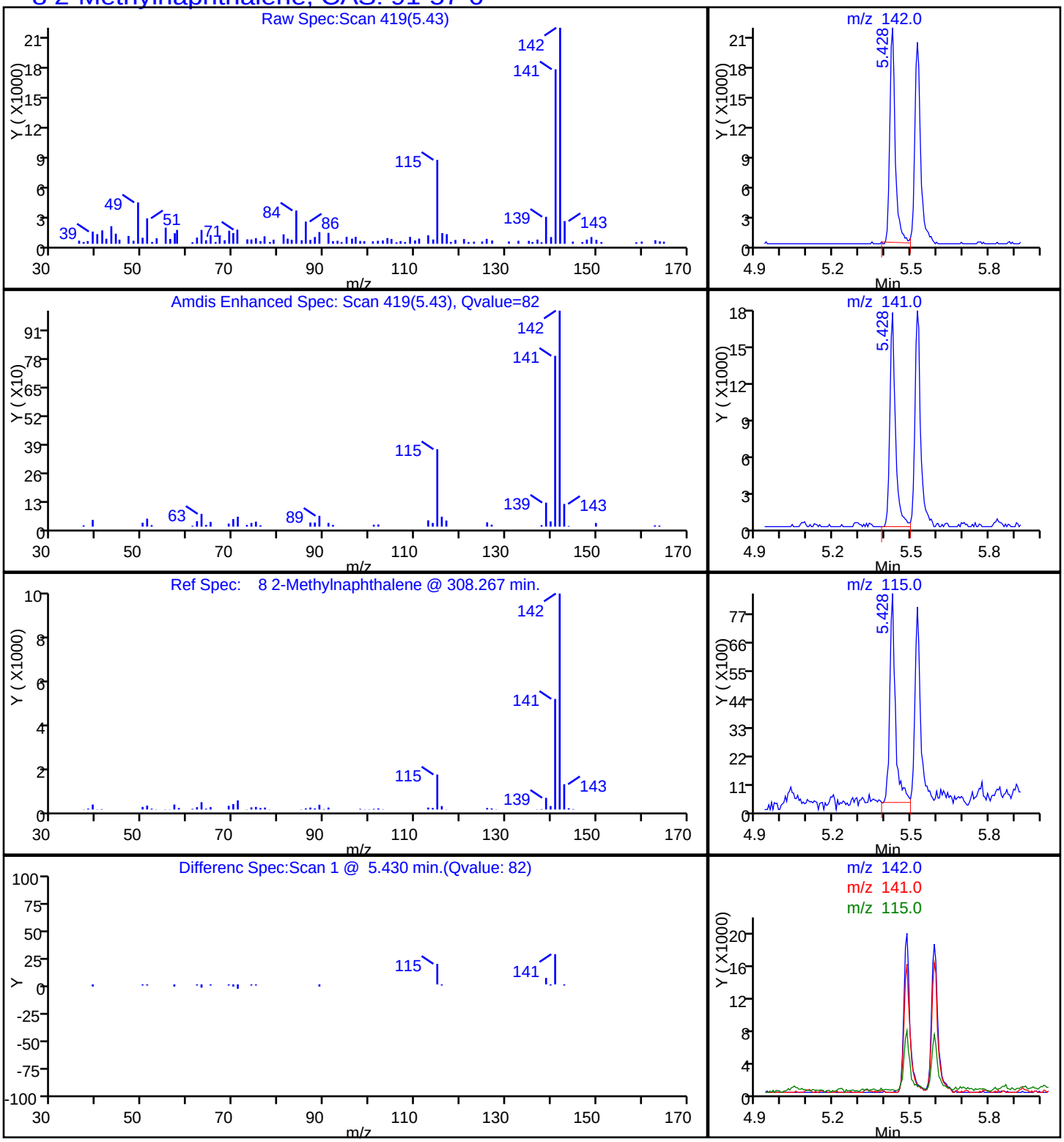


Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

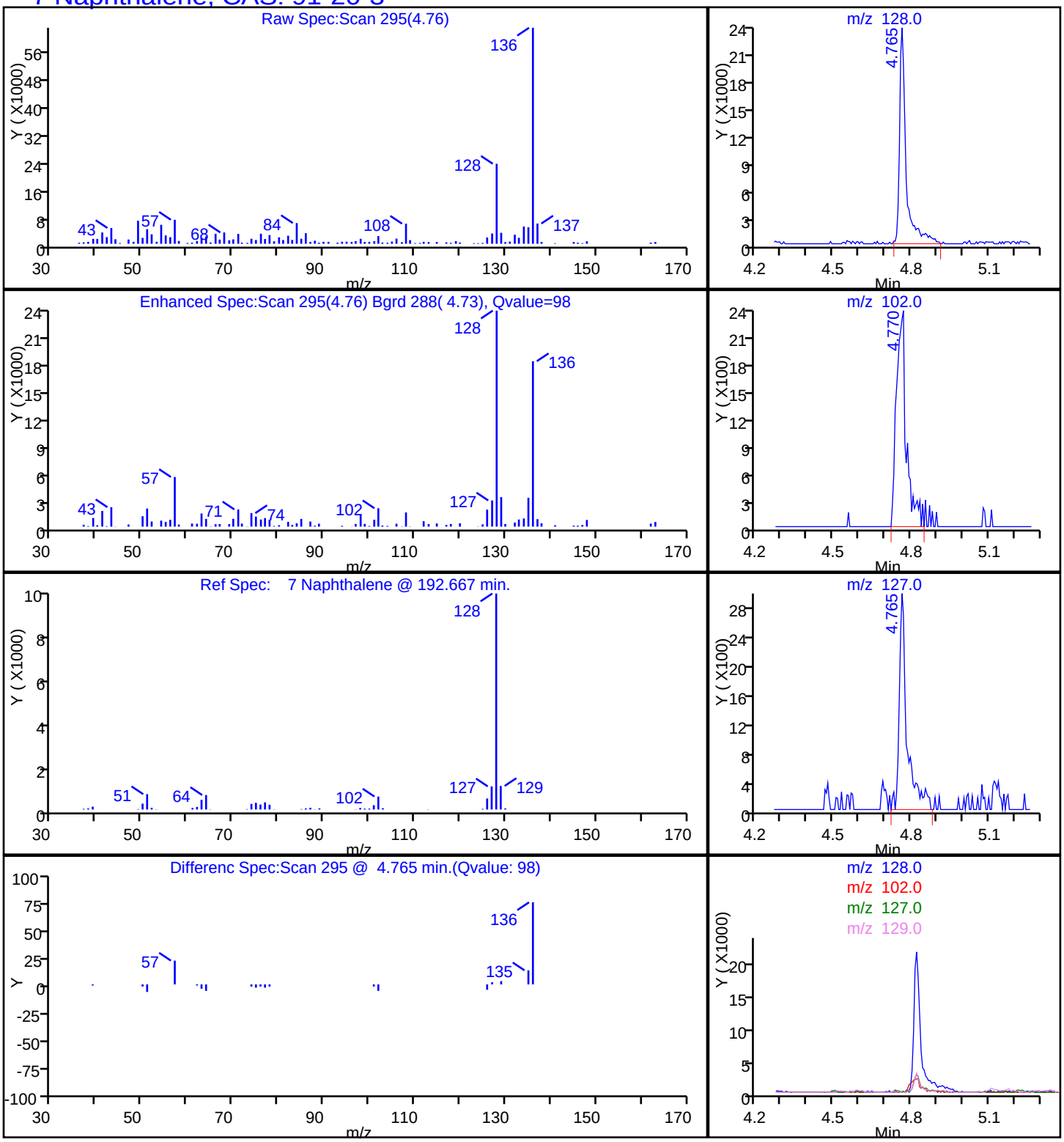


Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

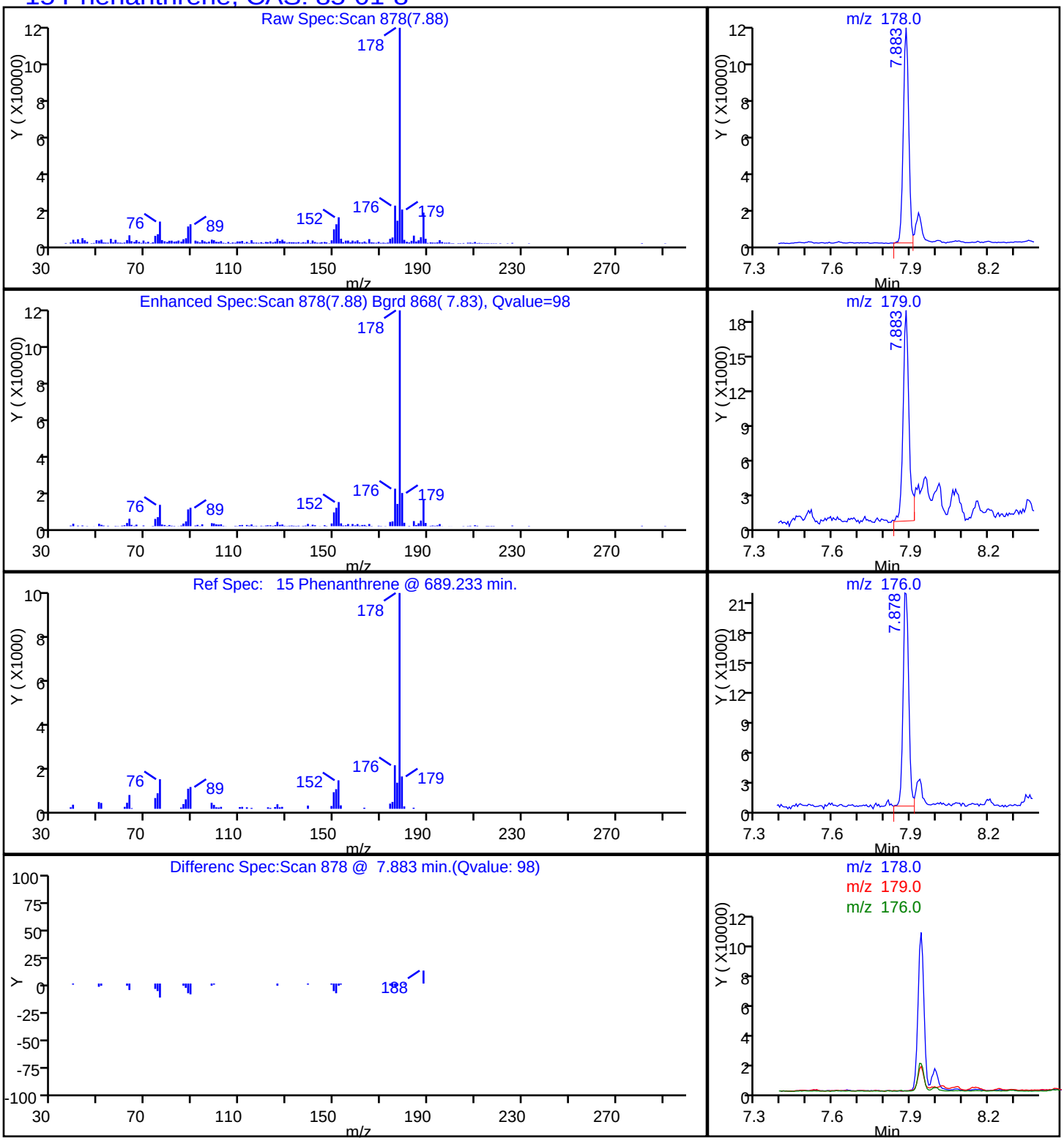


Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

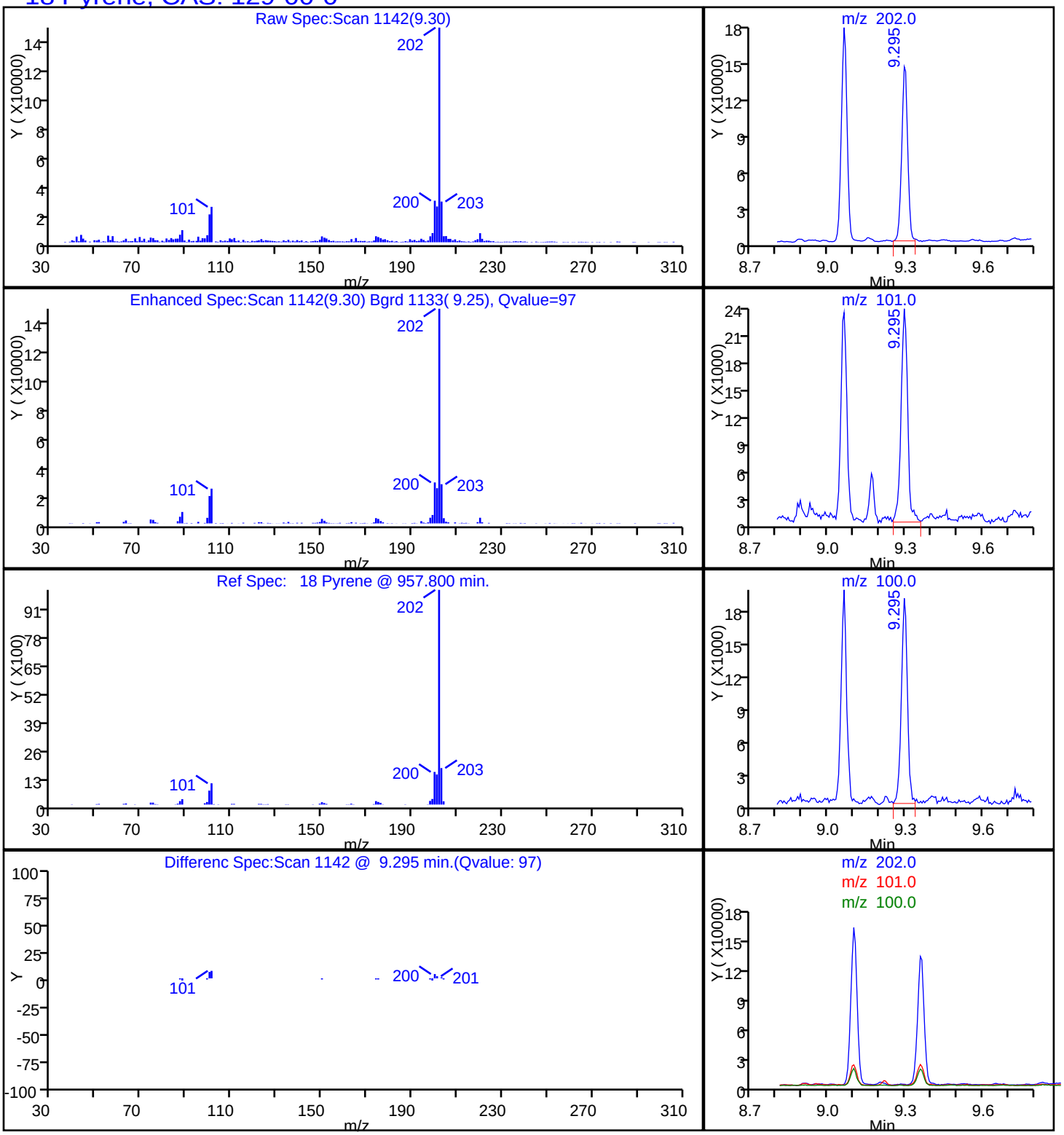


Report Date: 20-Jun-2014 16:34:13 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

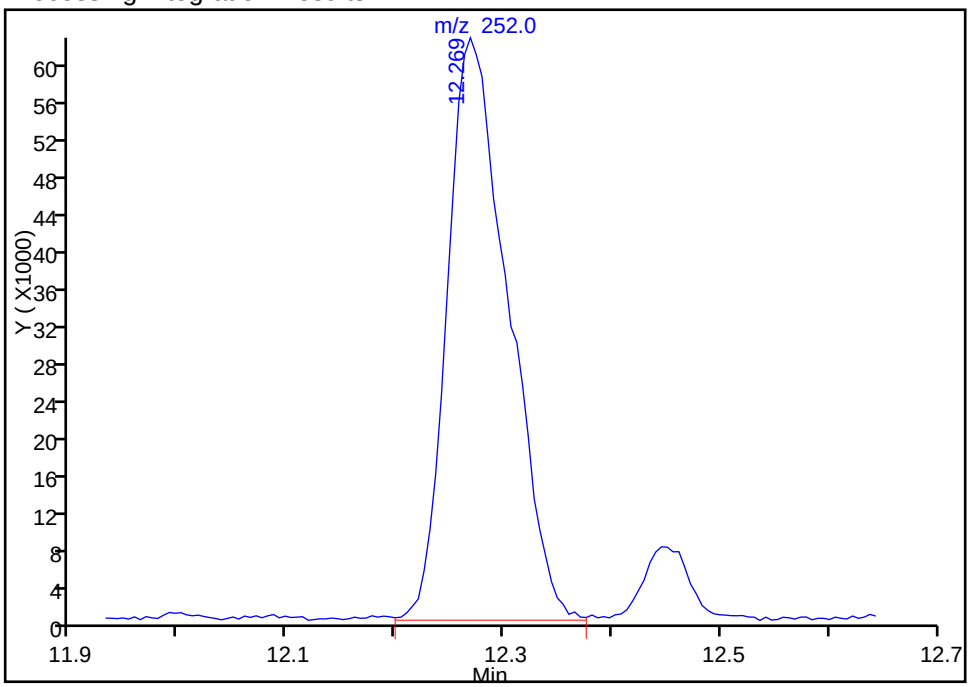
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

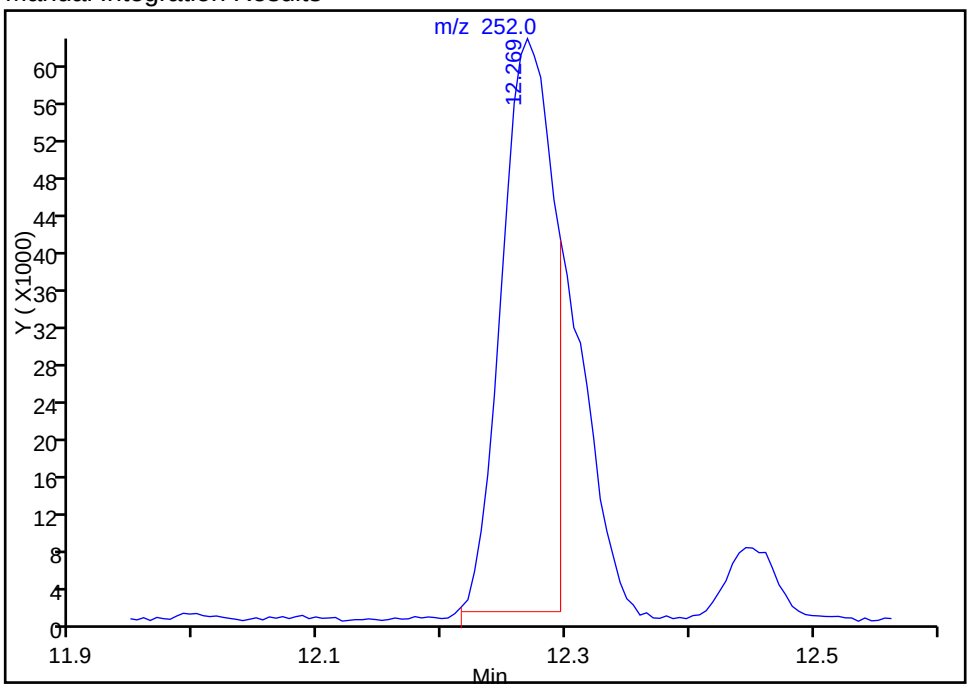
Processing Integration Results

RT: 12.27
Response: 241838
Amount: 1.228376



Manual Integration Results

RT: 12.27
Response: 177995
Amount: 0.904096



Reviewer: moorer, 20-Jun-2014 16:34:12
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

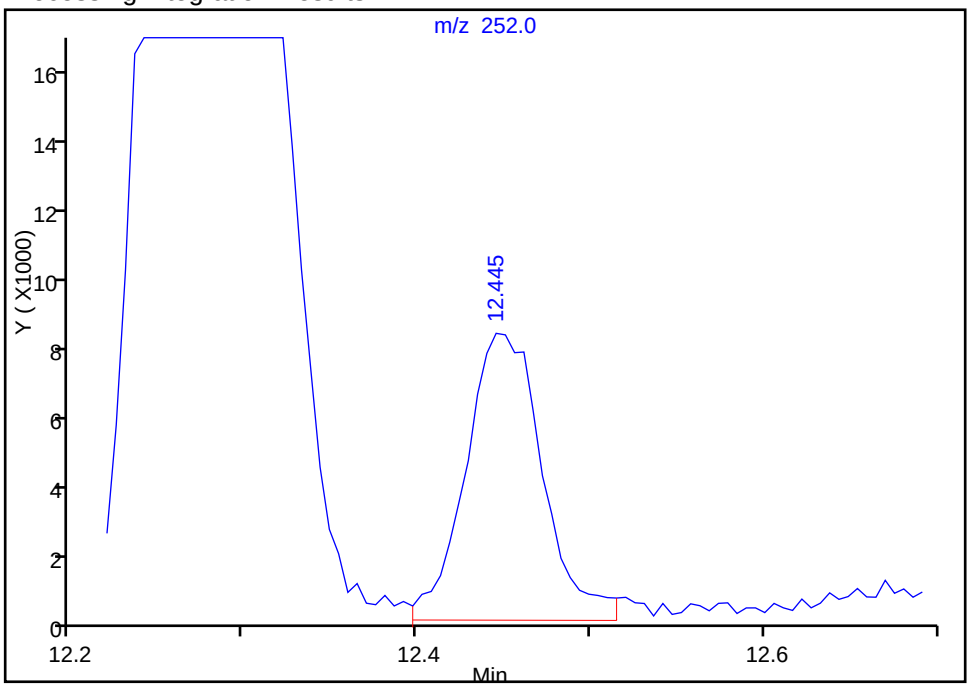
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2012.D				
Injection Date:	20-Jun-2014 14:05:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-3-D	Lab Sample ID:	680-102328-3		
Client ID:	CV1040-CS-12				
Operator ID:	RM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

Processing Integration Results

RT: 12.45
Response: 24547
Amount: 0.134015



Manual Integration Results

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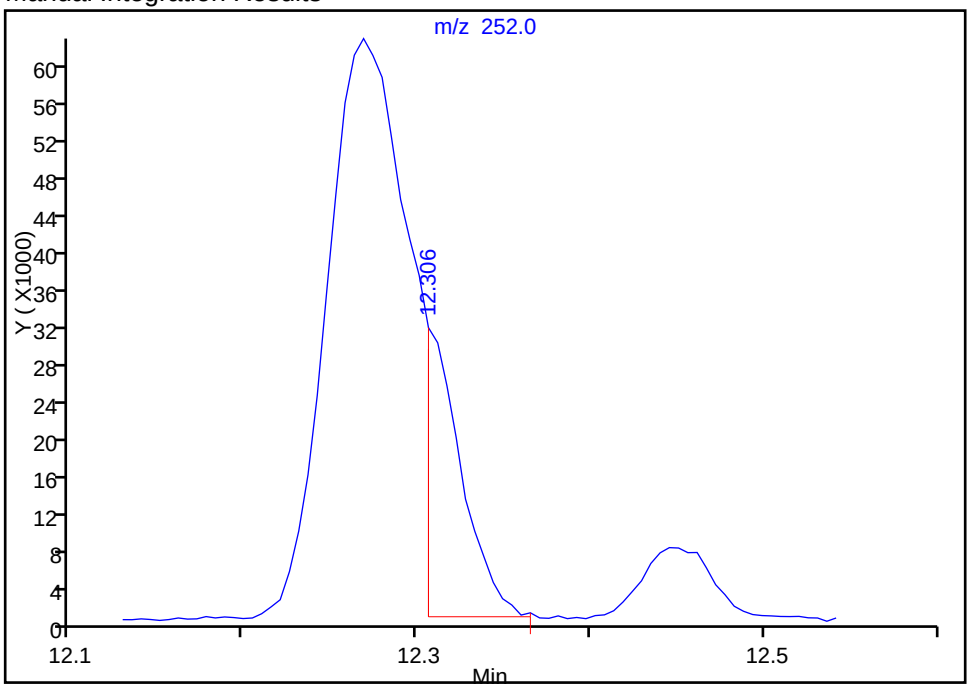
Amount: 0.243303



Reviewer: moorer, 20-Jun-2014 16:34:12
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-102328-1
SDG No.: 680-102328-01
Client Sample ID: CV1040-CS-18
Lab Sample ID: 680-102328-4
Matrix: Solid
Lab File ID: 2YF2013.D
Analysis Method: 8270D_LL_PAH
Date Collected: 06/12/2014 10:05
Extract. Method: 3546
Date Extracted: 06/19/2014 11:14
Sample wt/vol: 30.01(g)
Date Analyzed: 06/20/2014 14:29
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 16.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 335312
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.0	U	8.0	3.9
208-96-8	Acenaphthylene	8.0	U	8.0	3.9
120-12-7	Anthracene	8.0	U	8.0	3.9
56-55-3	Benzo[a]anthracene	19		8.0	3.9
50-32-8	Benzo[a]pyrene	23		8.0	1.4
205-99-2	Benzo[b]fluoranthene	37		8.0	3.9
191-24-2	Benzo[g,h,i]perylene	21		8.0	3.9
207-08-9	Benzo[k]fluoranthene	9.7		8.0	2.4
218-01-9	Chrysene	27		8.0	3.9
53-70-3	Dibenz(a,h)anthracene	8.0	U	8.0	3.9
206-44-0	Fluoranthene	33		8.0	3.9
86-73-7	Fluorene	8.0	U	8.0	3.9
193-39-5	Indeno[1,2,3-cd]pyrene	16		8.0	3.9
90-12-0	1-Methylnaphthalene	5.3	J	8.0	3.7
91-57-6	2-Methylnaphthalene	5.3	J	8.0	3.9
91-20-3	Naphthalene	4.7	J	8.0	3.9
85-01-8	Phenanthrene	20		8.0	2.9
129-00-0	Pyrene	27		8.0	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	54		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D
Lims ID: 680-102328-A-4-F Lab Sample ID: 680-102328-4
Client ID: CV1040-CS-18
Sample Type: Client
Inject. Date: 20-Jun-2014 14:29:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 102328-A-4-F
Misc. Info.: 680-0010283-013 =680-0010283-013
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 17:01:32 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 17:01:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.733	4.743	-0.010	99	565219	2.00	
* 2 Acenaphthene-d10	164	6.428	6.433	-0.005	93	279929	2.00	
* 3 Phenanthrene-d10	188	7.862	7.856	0.006	99	389513	2.00	
* 4 Chrysene-d12	240	10.659	10.654	0.005	98	318097	2.00	
* 5 Perylene-d12	264	12.996	12.991	0.005	97	267969	2.00	
$ 6 o-Terphenyl	230	8.204	8.204	0.000	89	231760	1.08	
7 Naphthalene	128	4.754	4.765	-0.011	99	36734	0.1171	
8 2-Methylnaphthalene	142	5.423	5.428	-0.005	73	25327	0.1341	
9 1-Methylnaphthalene	142	5.519	5.524	-0.005	80	25429	0.1324	
14 Fluorene	166	7.182	6.952	0.230	20	11579	0.0690	
15 Phenanthrene	178	7.883	7.883	0.000	94	115193	0.5030	
16 Anthracene	178	7.931	7.931	0.000	76	19197	0.0872	
17 Fluoranthene	202	9.060	9.060	0.000	95	193145	0.8183	
18 Pyrene	202	9.300	9.295	0.005	97	166521	0.6759	
19 Benzo[a]anthracene	228	10.643	10.643	0.000	93	89094	0.4692	
20 Chrysene	228	10.691	10.691	0.000	93	125065	0.6682	
21 Benzo[b]fluoranthene	252	12.269	12.269	0.006	95	151879	0.9236	M
22 Benzo[k]fluoranthene	252	12.306	12.306	0.000	83	37435	0.2447	M
23 Benzo[a]pyrene	252	12.889	12.889	0.005	94	75830	0.5723	
24 Indeno[1,2,3-cd]pyrene	276	15.569	15.574	-0.005	94	56821	0.4046	
26 Benzo[g,h,i]perylene	276	16.377	16.371	0.006	79	60780	0.5322	

QC Flag Legend

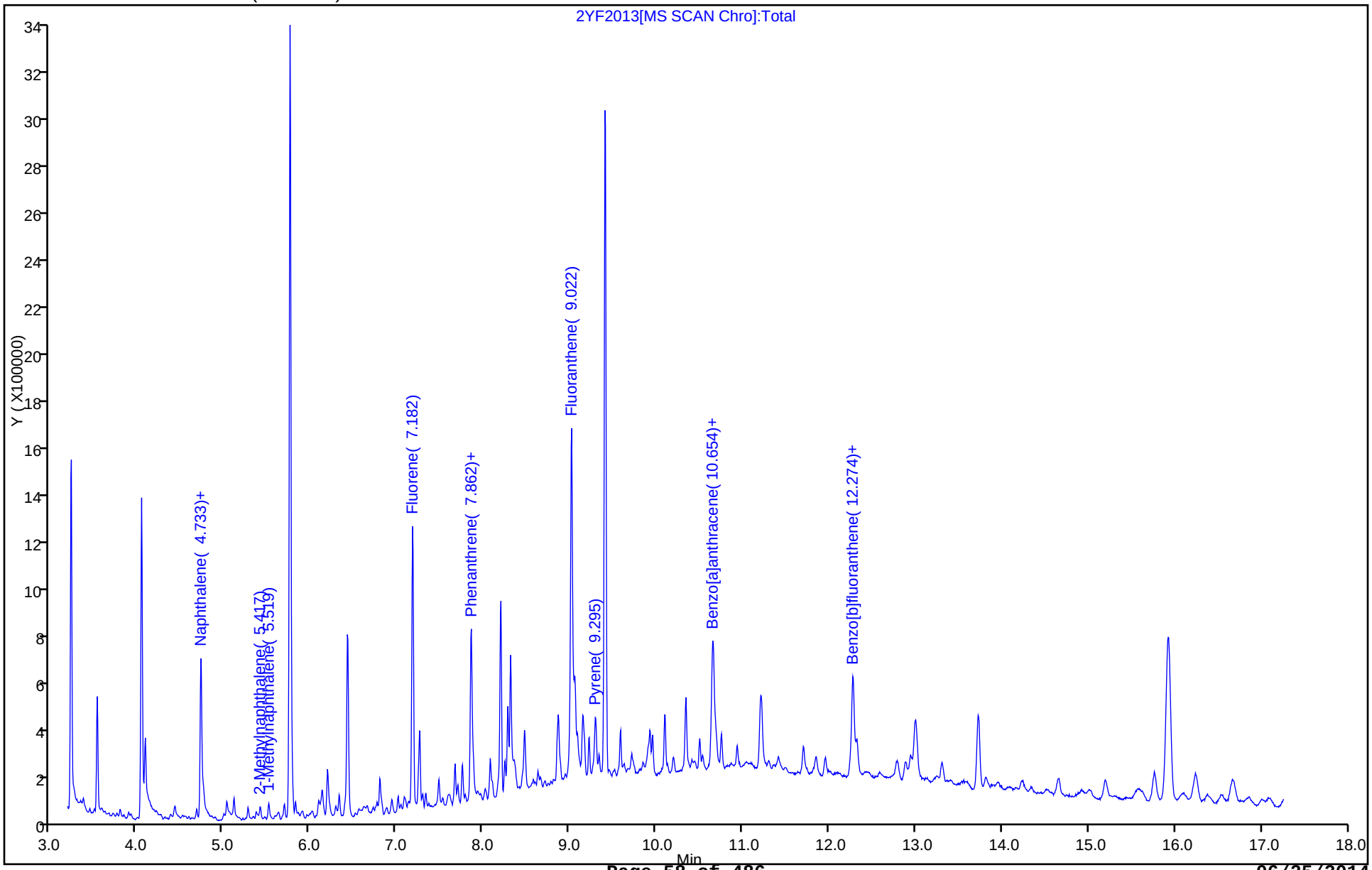
Review Flags
M - Manually Integrated

Report Date: 20-Jun-2014 17:01:32 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4	Worklist Smp#:	13
Client ID:	CV1040-CS-18				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

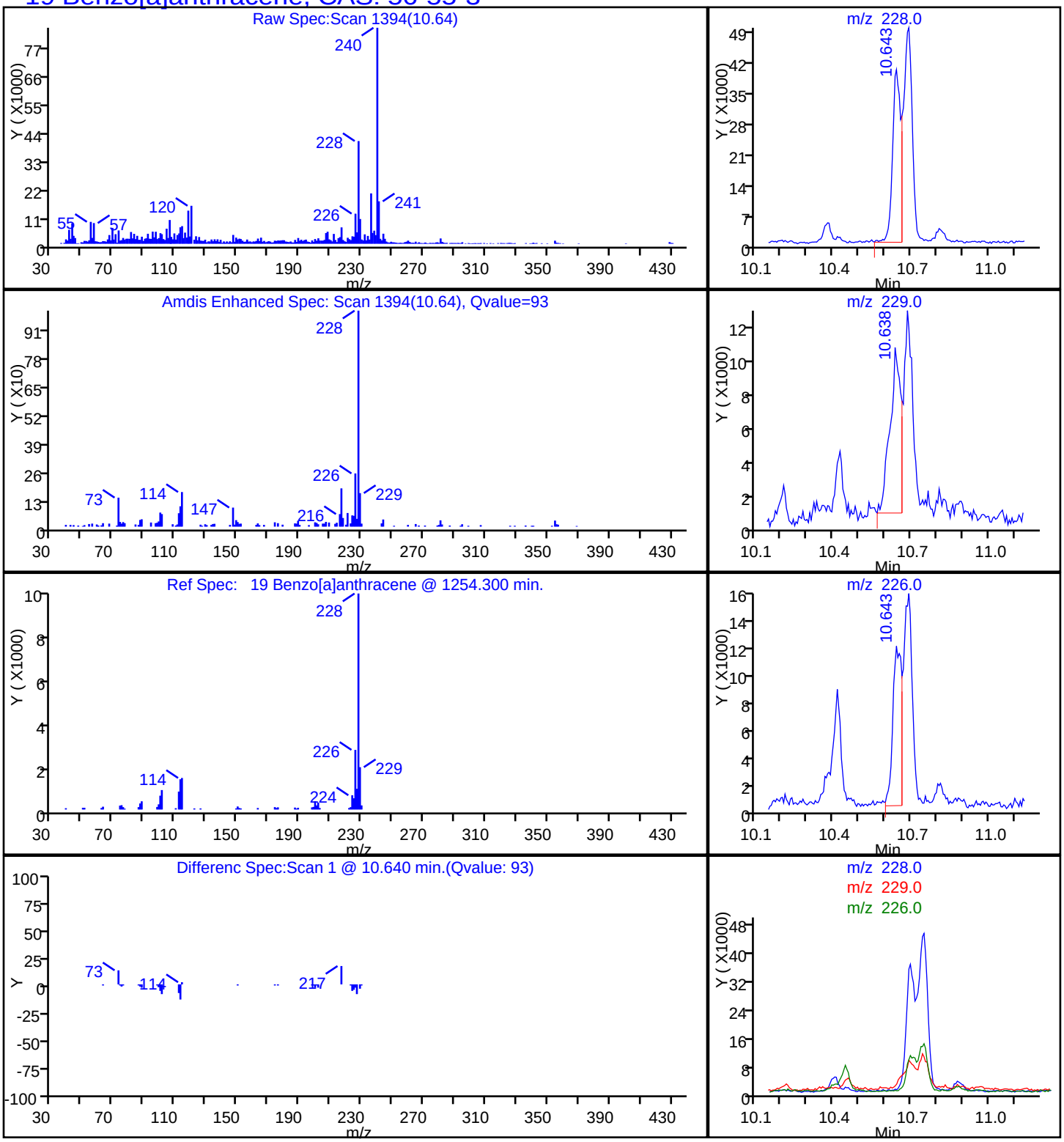


Report Date: 20-Jun-2014 17:01:32 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

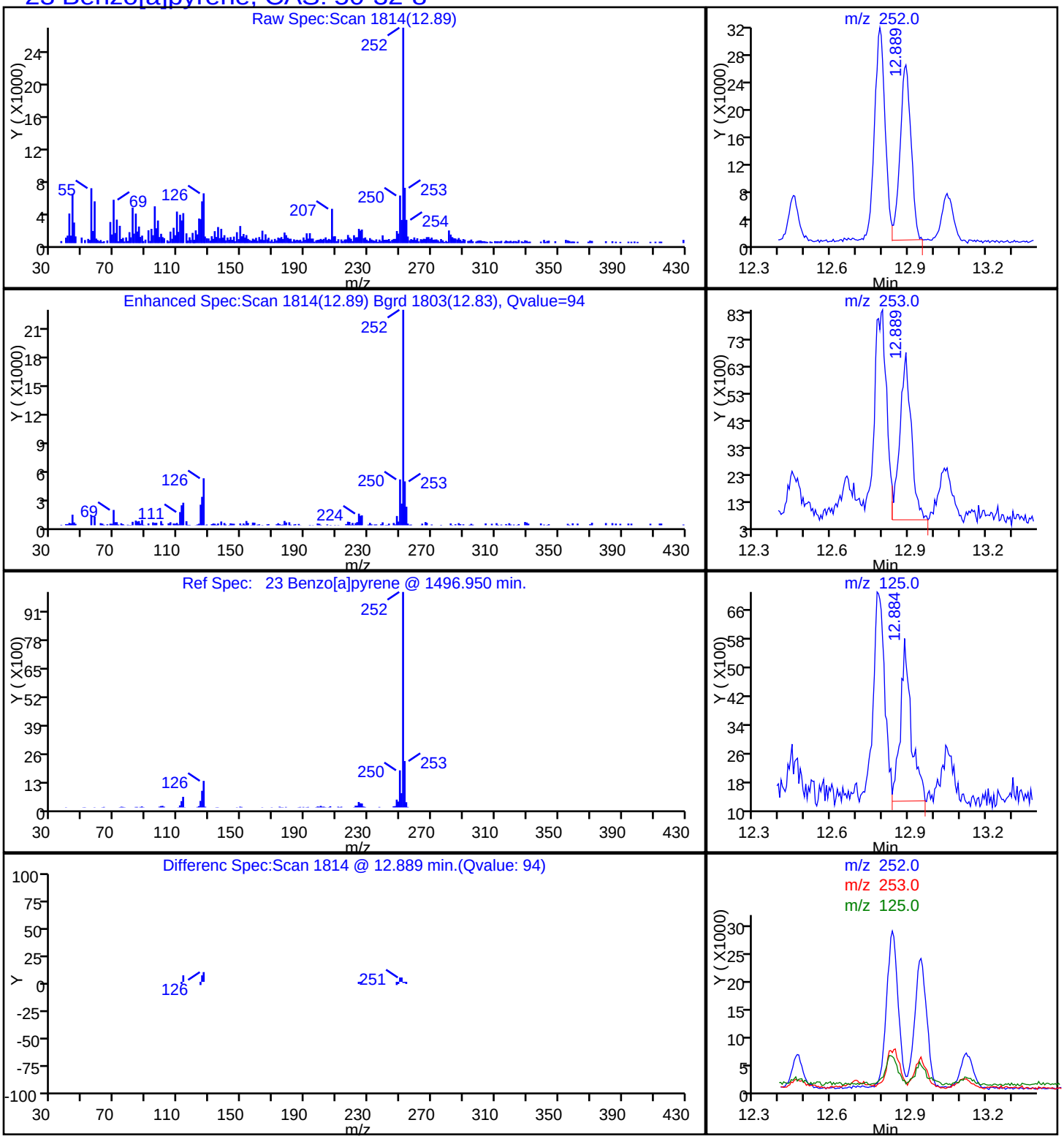


Report Date: 20-Jun-2014 17:01:33 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

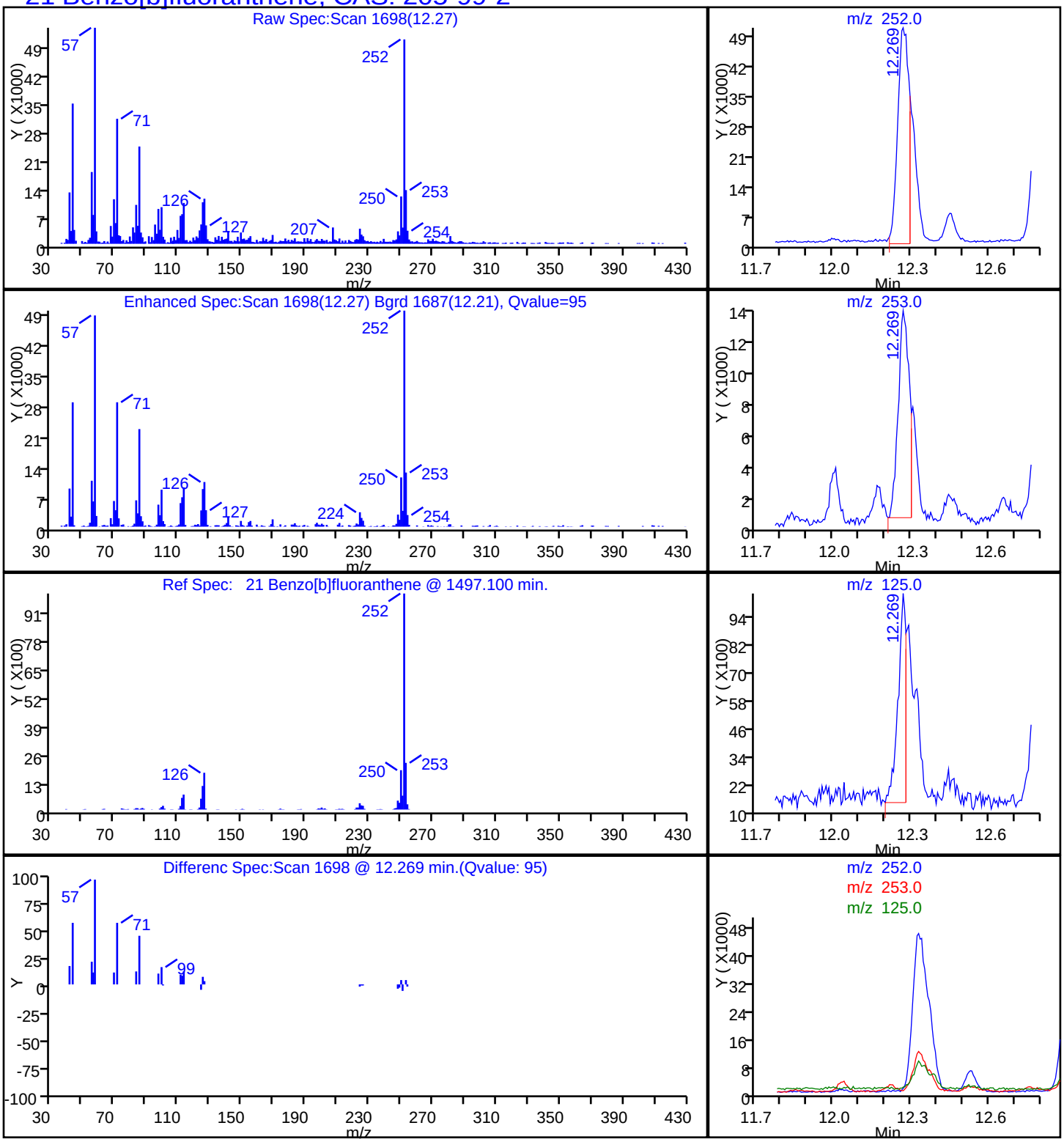


Report Date: 20-Jun-2014 17:01:32 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

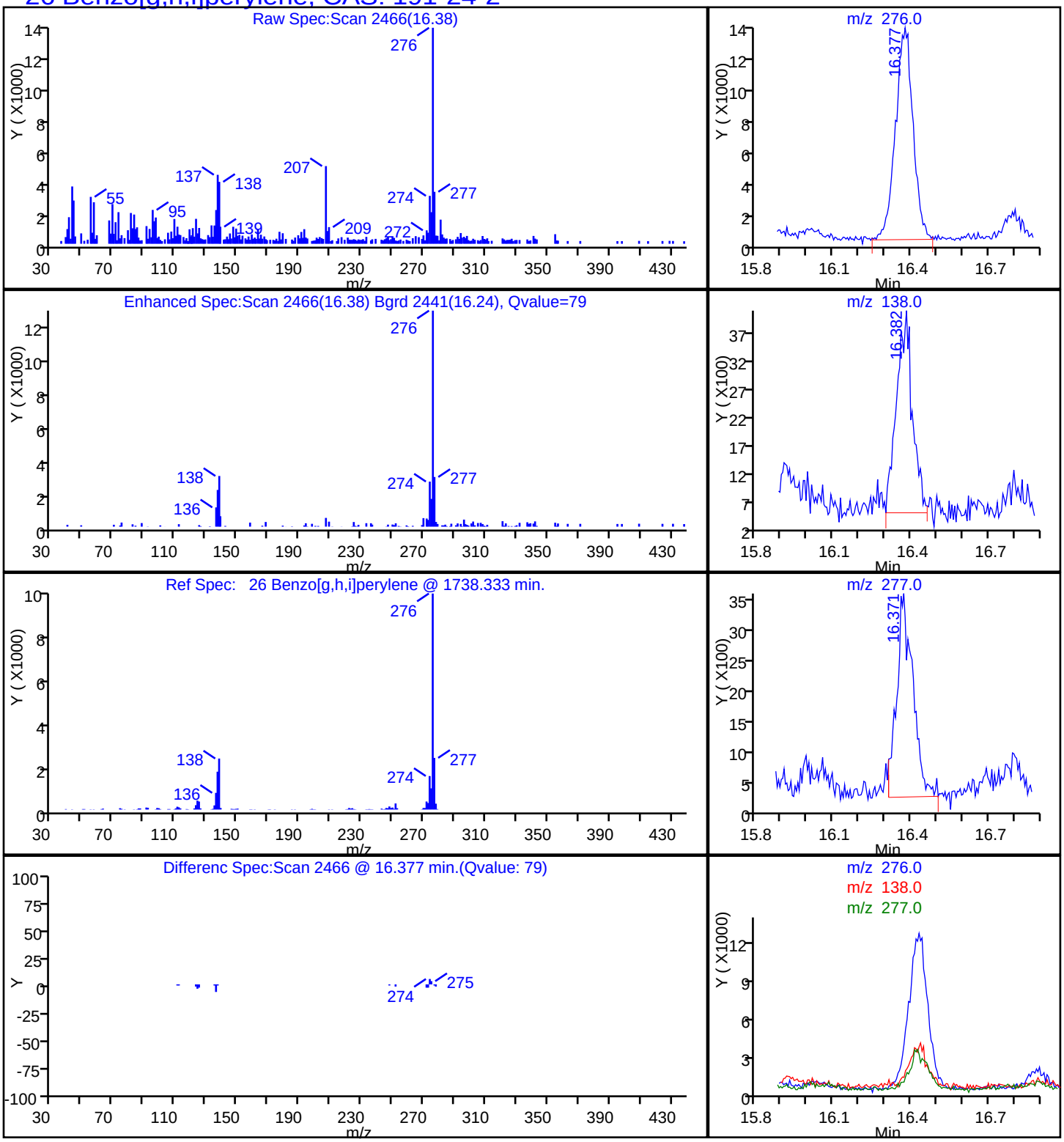


Report Date: 20-Jun-2014 17:01:33 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

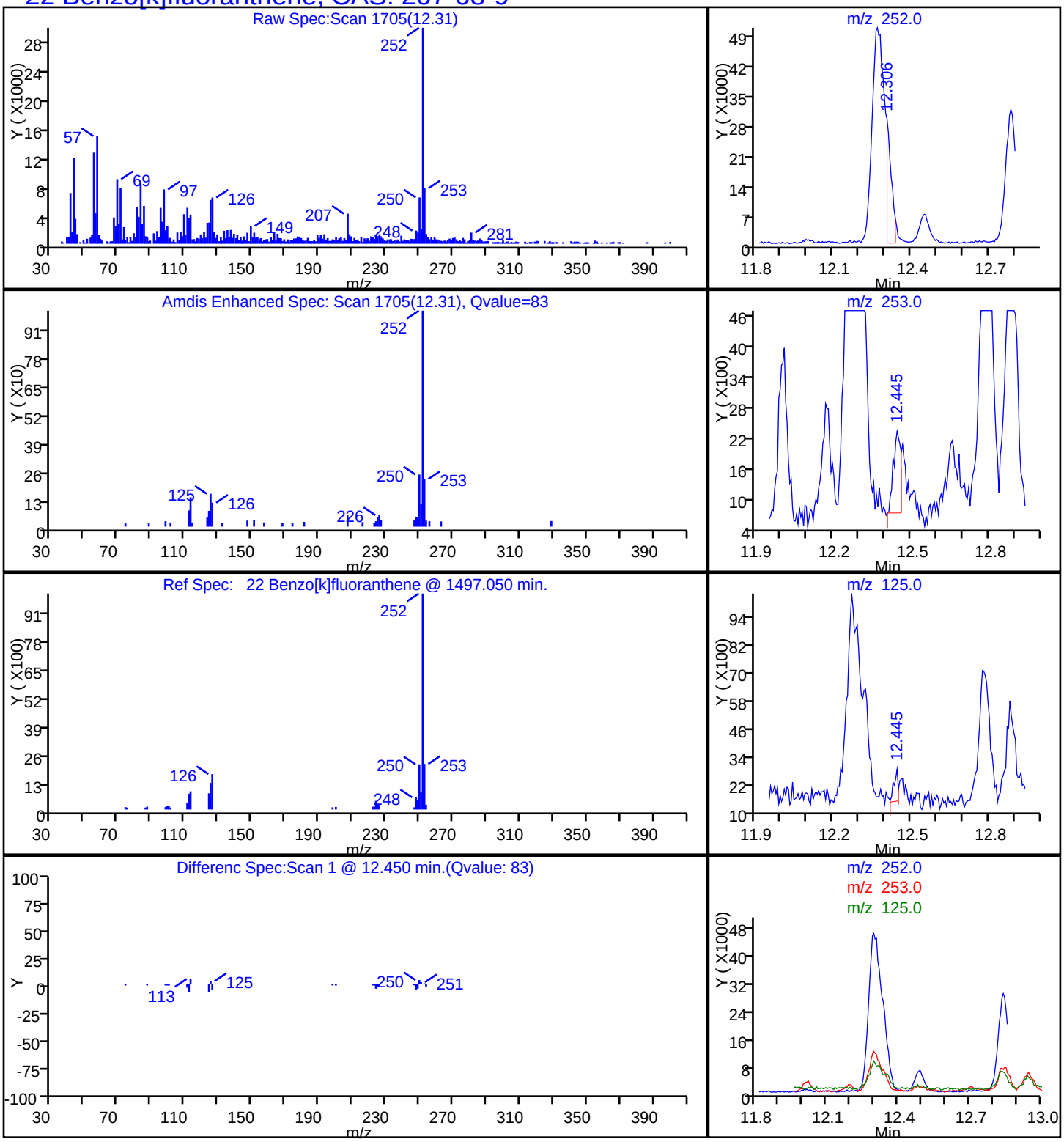


Report Date: 20-Jun-2014 17:01:33 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

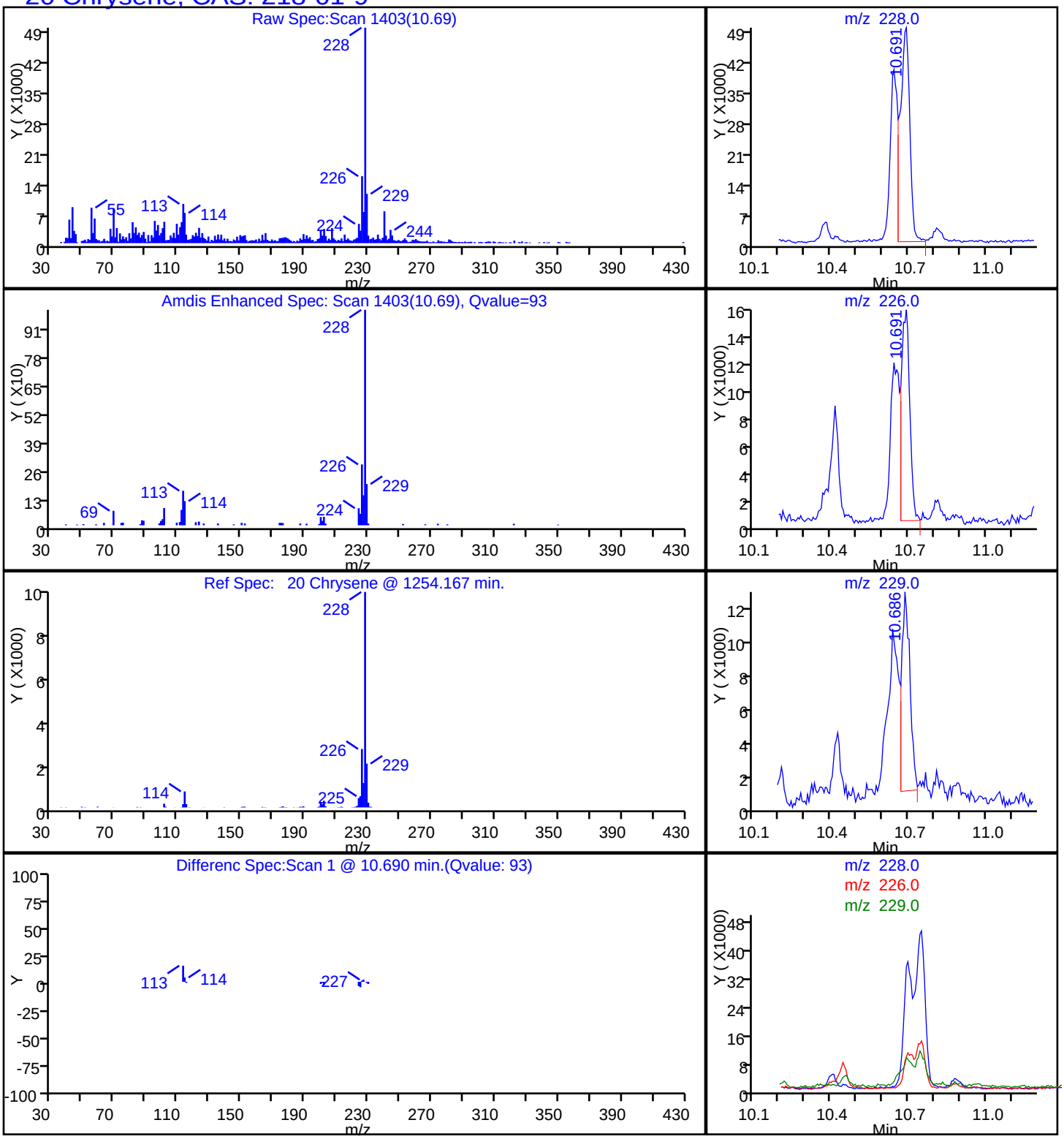


Report Date: 20-Jun-2014 17:01:32 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

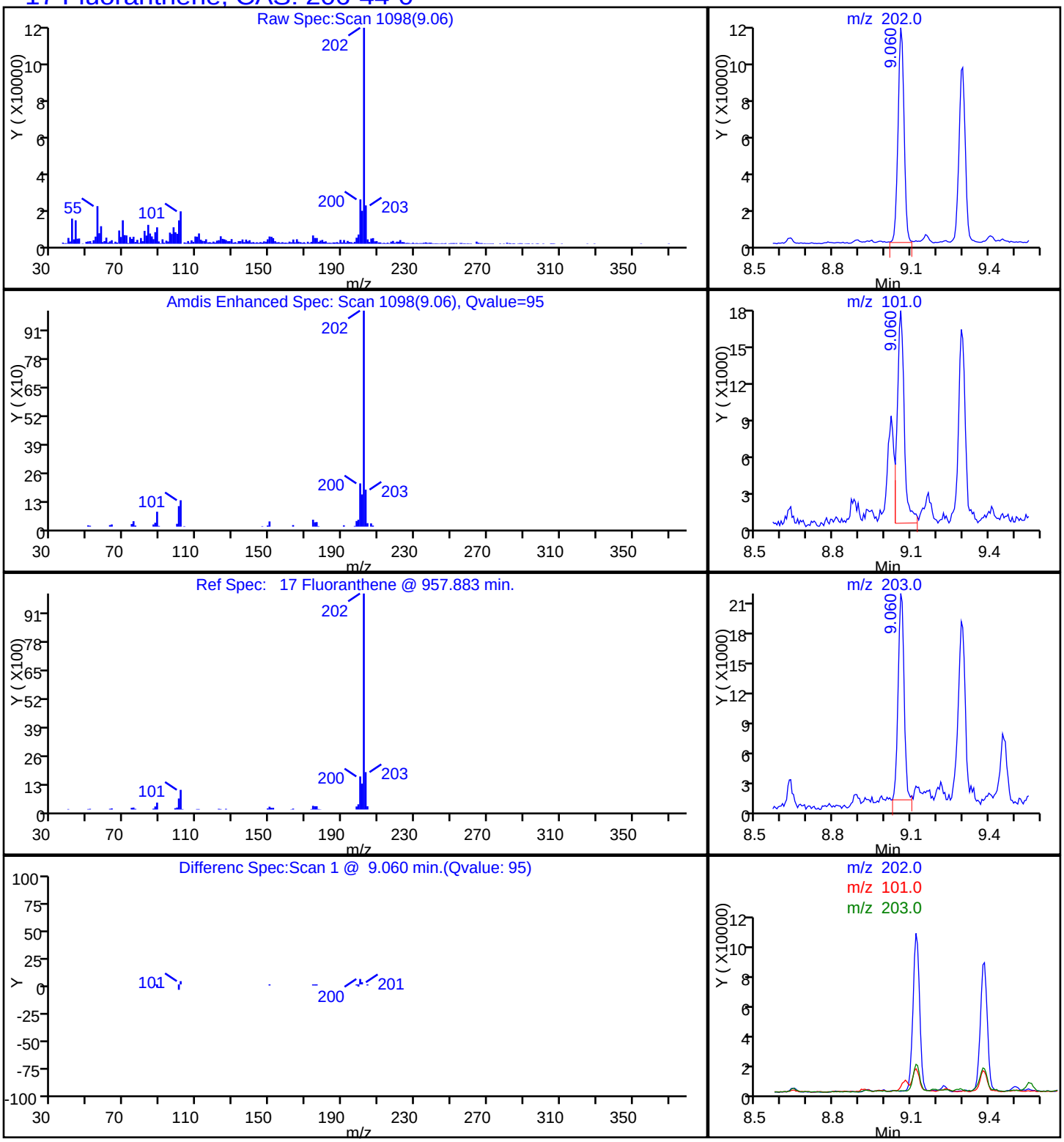


Report Date: 20-Jun-2014 17:01:32 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

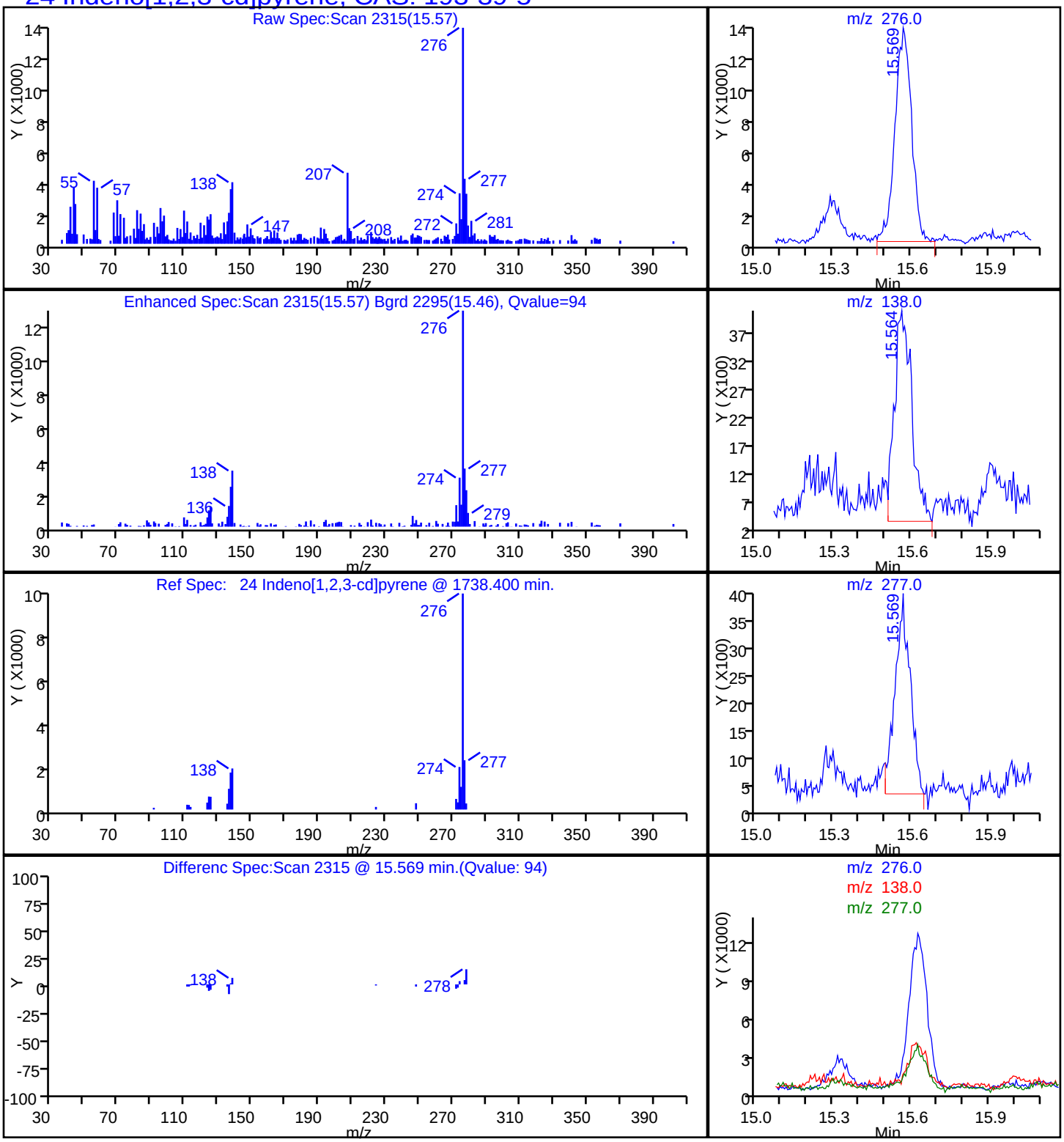


Report Date: 20-Jun-2014 17:01:33 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

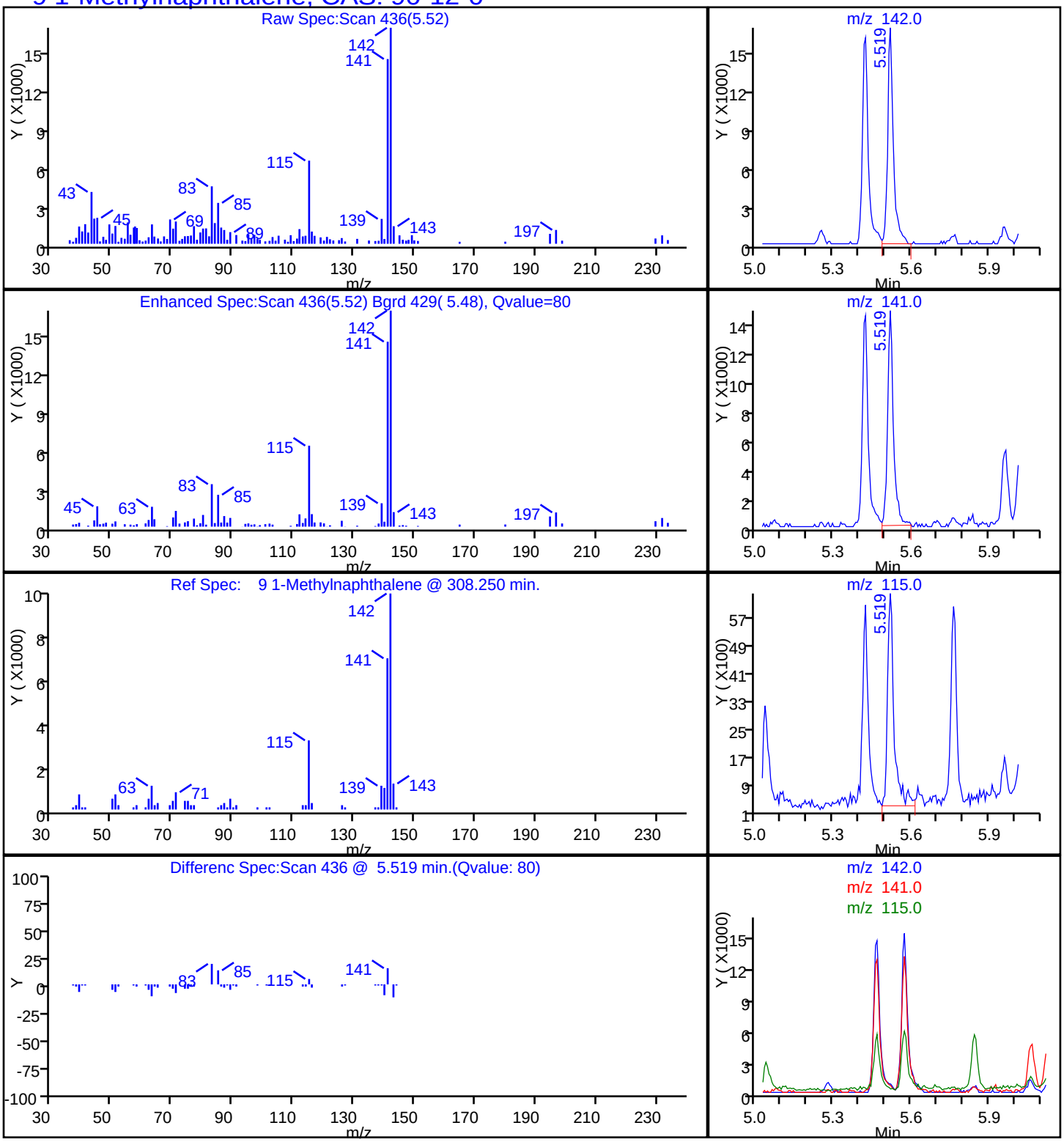


Report Date: 20-Jun-2014 17:01:32 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

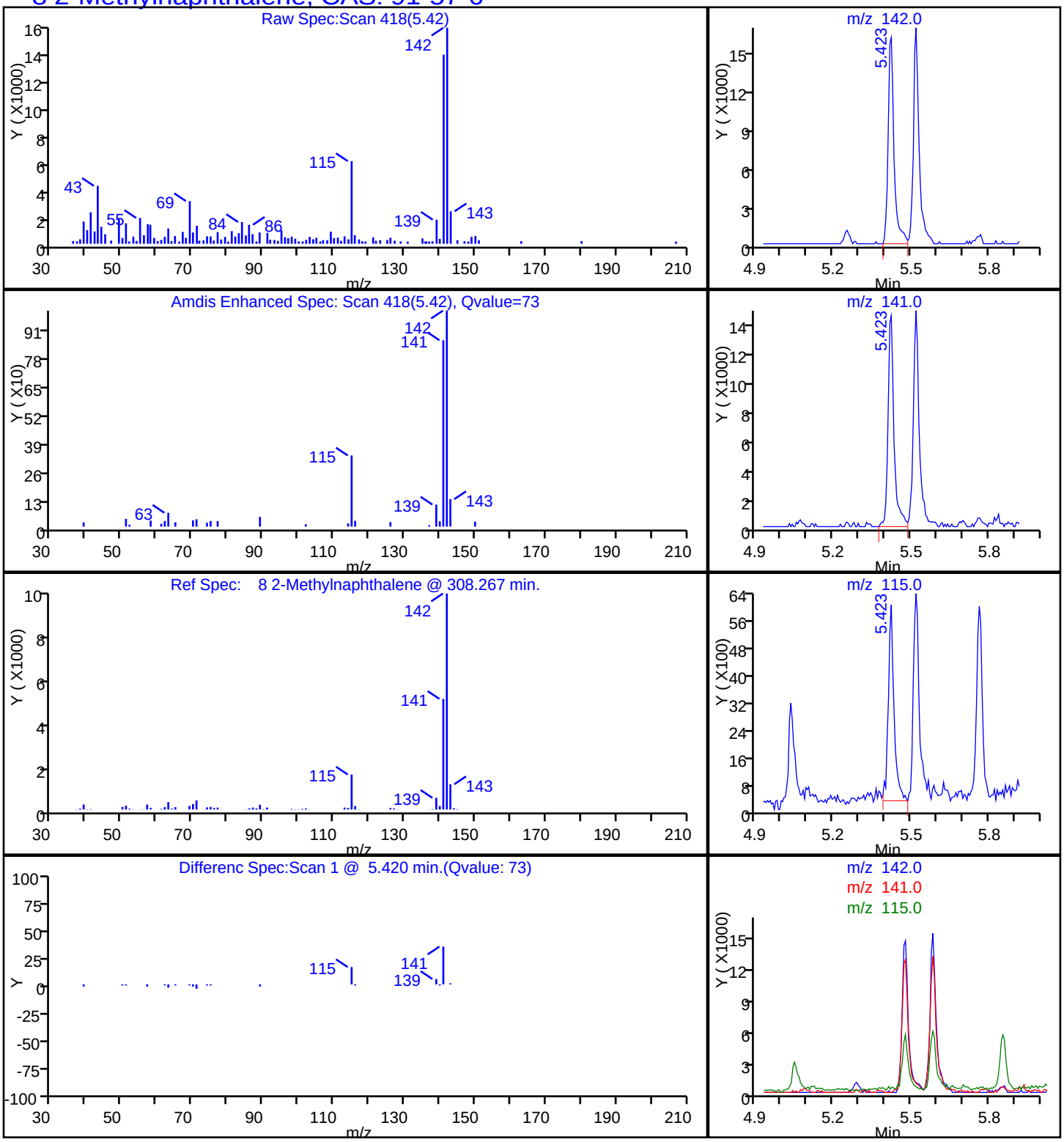


Report Date: 20-Jun-2014 17:01:32 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

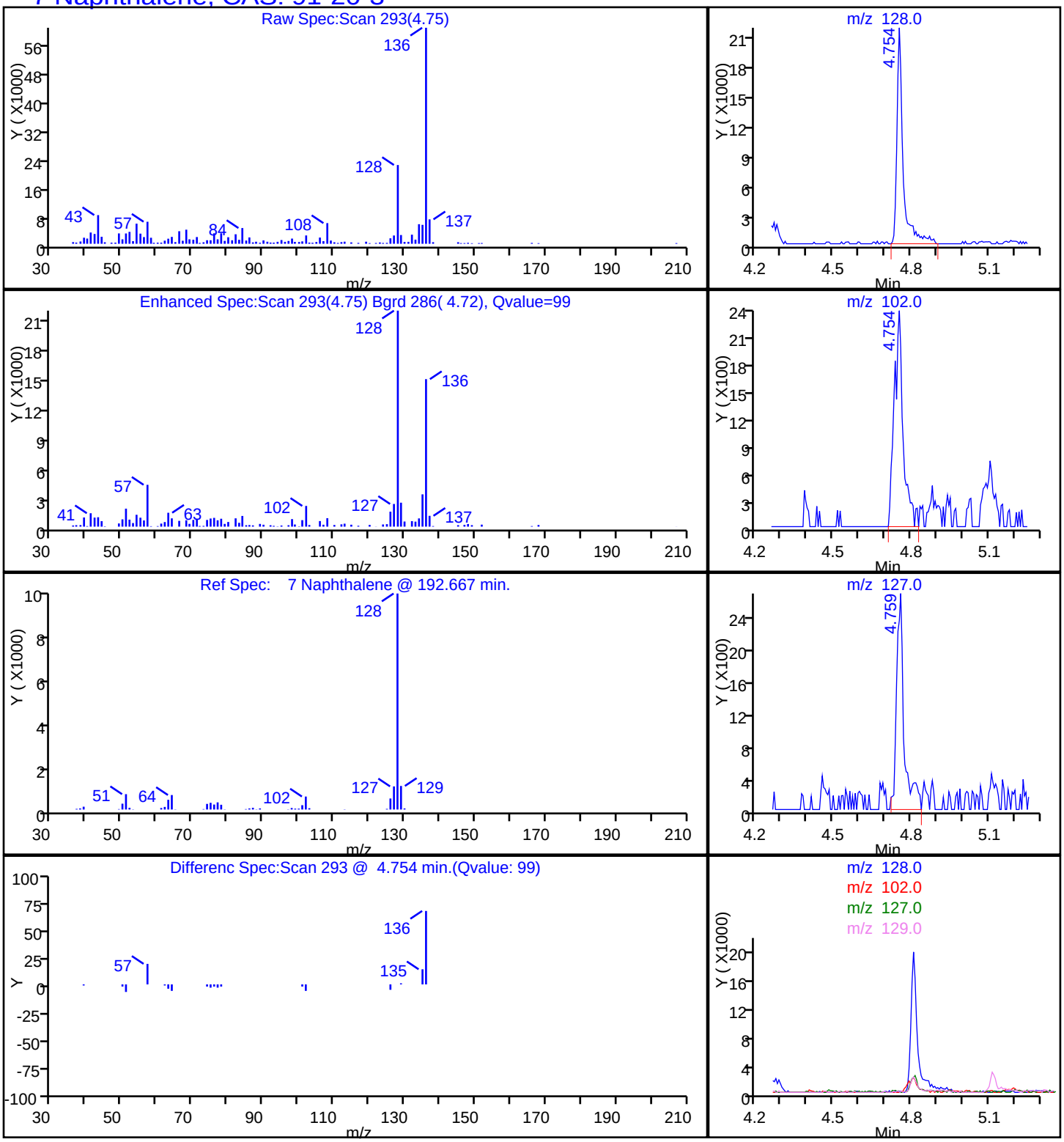


Report Date: 20-Jun-2014 17:01:32 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

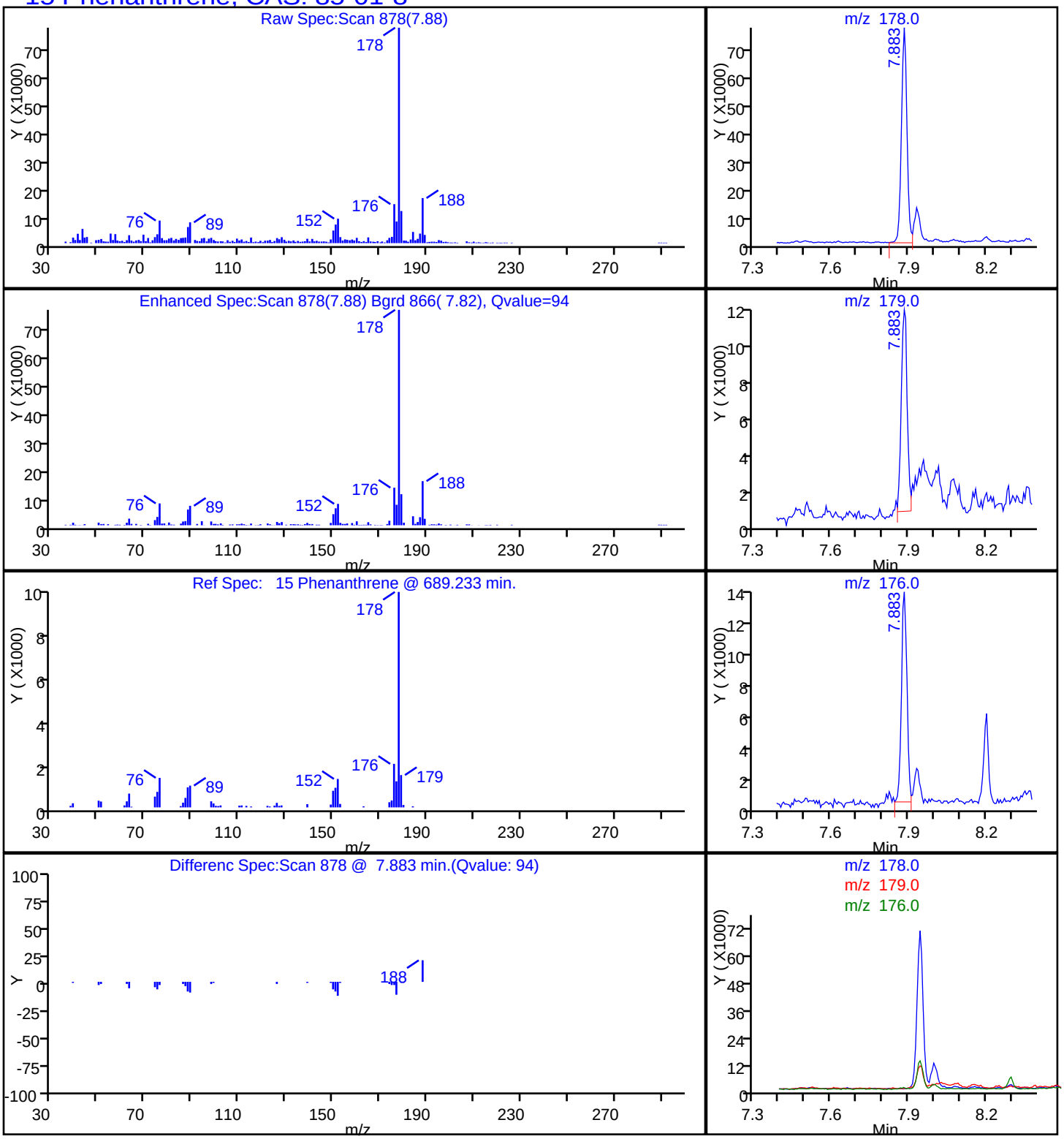


Report Date: 20-Jun-2014 17:01:32 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

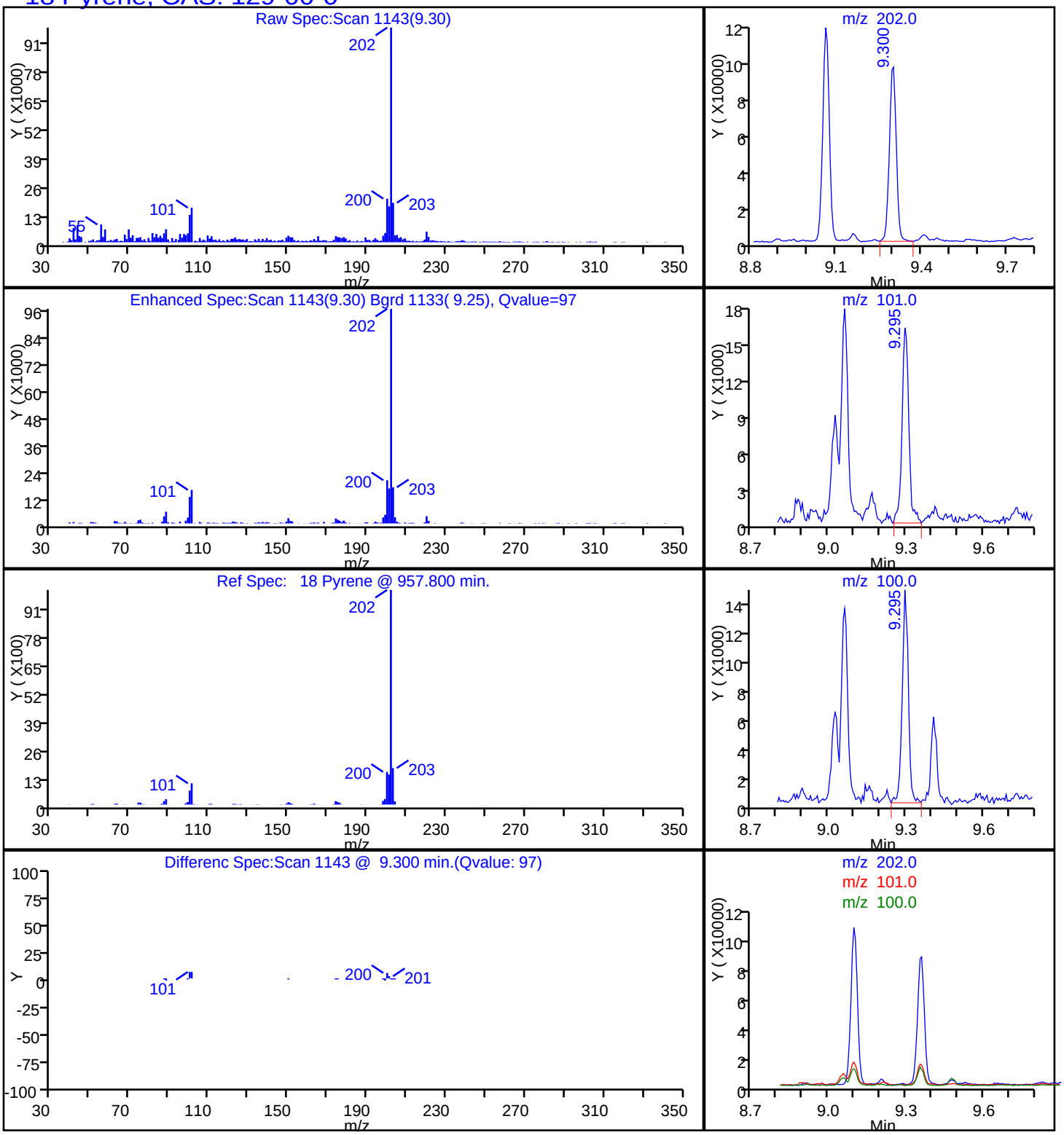


Report Date: 20-Jun-2014 17:01:32 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

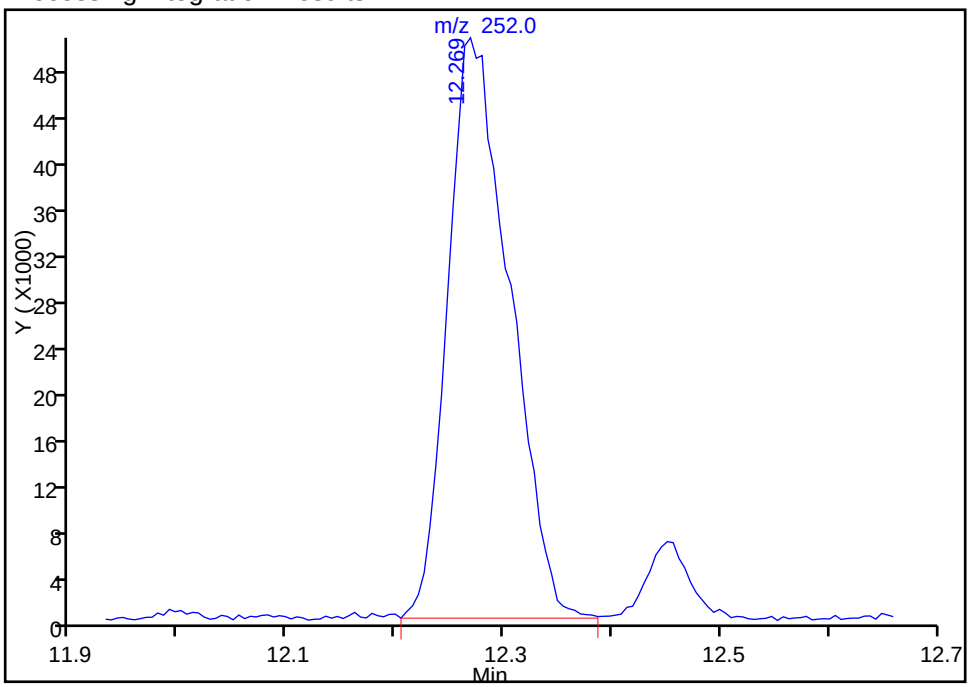
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

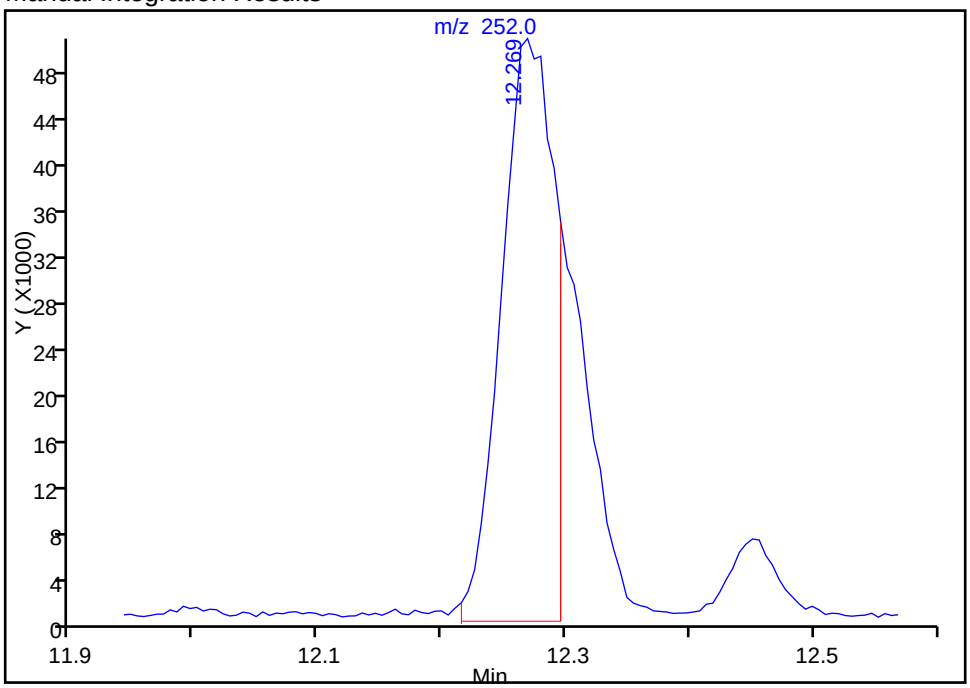
Processing Integration Results

RT: 12.27
Response: 198994
Amount: 1.210115



Manual Integration Results

RT: 12.27
Response: 151879
Amount: 0.923601



Reviewer: moorer, 20-Jun-2014 17:01:32
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

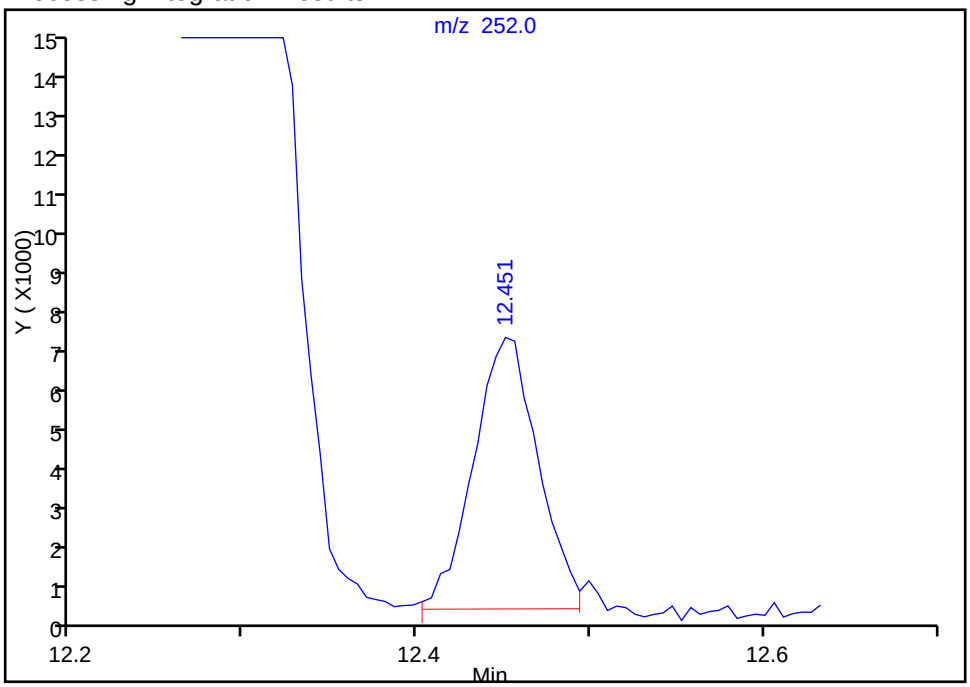
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2013.D				
Injection Date:	20-Jun-2014 14:29:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-F	Lab Sample ID:	680-102328-4		
Client ID:	CV1040-CS-18				
Operator ID:	RM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

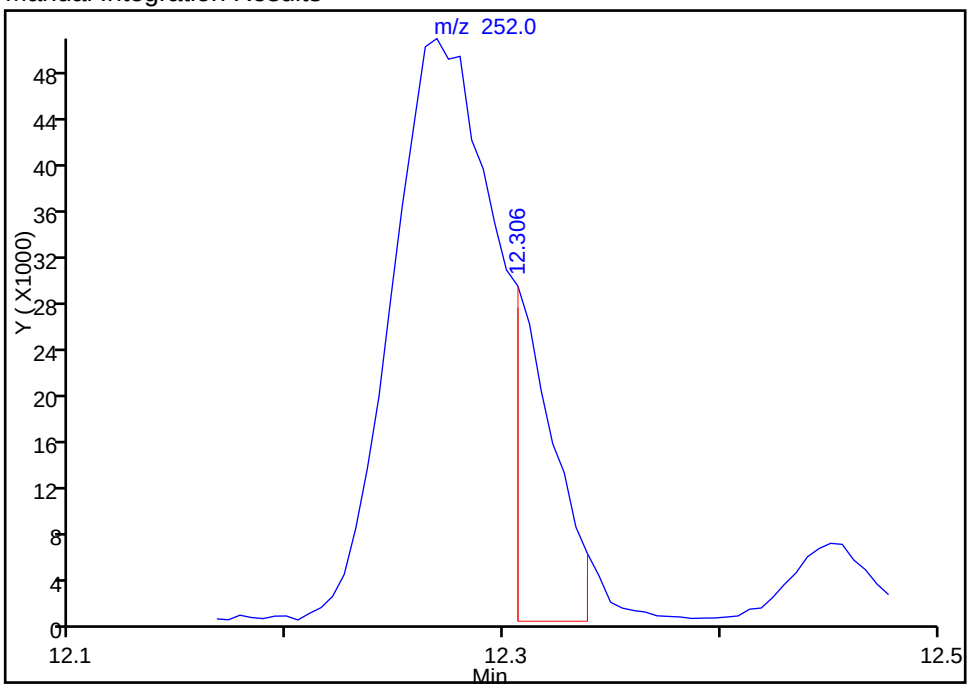
Processing Integration Results

RT: 12.45
Response: 16952
Amount: 0.110804



Manual Integration Results

RT: 12.31
Response: 37435
Amount: 0.244687



Reviewer: moorer, 20-Jun-2014 17:01:32
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-102328-1
SDG No.: 680-102328-01
Client Sample ID: CV1040-CS-24
Lab Sample ID: 680-102328-5
Matrix: Solid
Lab File ID: 2YF2014.D
Analysis Method: 8270D_LL_PAH
Date Collected: 06/12/2014 10:55
Extract. Method: 3546
Date Extracted: 06/19/2014 11:14
Sample wt/vol: 29.97(g)
Date Analyzed: 06/20/2014 14:52
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 16.4
GPC Cleanup:(Y/N) N
Analysis Batch No.: 335312
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.0	U	8.0	4.0
208-96-8	Acenaphthylene	8.0	U	8.0	4.0
120-12-7	Anthracene	8.0	U	8.0	4.0
56-55-3	Benzo[a]anthracene	16		8.0	4.0
50-32-8	Benzo[a]pyrene	19		8.0	1.4
205-99-2	Benzo[b]fluoranthene	27		8.0	4.0
191-24-2	Benzo[g,h,i]perylene	17		8.0	4.0
207-08-9	Benzo[k]fluoranthene	7.7	J	8.0	2.4
218-01-9	Chrysene	16		8.0	4.0
53-70-3	Dibenz(a,h)anthracene	4.9	J	8.0	4.0
206-44-0	Fluoranthene	20		8.0	4.0
86-73-7	Fluorene	8.0	U	8.0	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	13		8.0	4.0
90-12-0	1-Methylnaphthalene	8.0	U	8.0	3.7
91-57-6	2-Methylnaphthalene	8.0	U	8.0	4.0
91-20-3	Naphthalene	8.0	U	8.0	4.0
85-01-8	Phenanthrene	9.0		8.0	2.9
129-00-0	Pyrene	16		8.0	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	47		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D
Lims ID: 680-102328-A-5-C Lab Sample ID: 680-102328-5
Client ID: CV1040-CS-24
Sample Type: Client
Inject. Date: 20-Jun-2014 14:52:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 102328-A-5-C
Misc. Info.: 680-0010283-014 =680-0010283-014
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 17:02:11 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 17:02:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.733	4.743	-0.010	99	607659	2.00	
* 2 Acenaphthene-d10	164	6.434	6.433	0.001	93	311388	2.00	
* 3 Phenanthrene-d10	188	7.862	7.856	0.006	99	434849	2.00	
* 4 Chrysene-d12	240	10.659	10.654	0.005	98	355856	2.00	
* 5 Perylene-d12	264	13.002	12.991	0.011	96	306045	2.00	
$ 6 o-Terphenyl	230	8.204	8.204	0.000	88	226598	0.9408	
8 2-Methylnaphthalene	142	5.423	5.428	-0.005	70	12580	0.0619	
9 1-Methylnaphthalene	142	5.519	5.524	-0.005	78	10349	0.0501	
14 Fluorene	166	7.182	6.952	0.230	21	11630	0.0623	
15 Phenanthrene	178	7.883	7.883	0.000	88	57842	0.2263	
16 Anthracene	178	7.937	7.937	0.006	65	10756	0.0438	
17 Fluoranthene	202	9.060	9.060	0.000	97	130821	0.4965	
18 Pyrene	202	9.300	9.295	0.005	94	113073	0.4102	
19 Benzo[a]anthracene	228	10.643	10.643	0.000	91	83934	0.3951	
20 Chrysene	228	10.691	10.691	0.000	96	84802	0.4050	
21 Benzo[b]fluoranthene	252	12.264	12.264	0.001	97	128303	0.6832	M
22 Benzo[k]fluoranthene	252	12.306	12.306	0.000	87	33593	0.1923	M
23 Benzo[a]pyrene	252	12.889	12.884	0.005	94	71516	0.4726	
24 Indeno[1,2,3-cd]pyrene	276	15.569	15.574	-0.005	96	52051	0.3313	
25 Dibenz(a,h)anthracene	278	15.585	15.596	-0.011	37	14514	0.1218	
26 Benzo[g,h,i]perylene	276	16.371	16.371	0.000	71	54707	0.4194	

QC Flag Legend

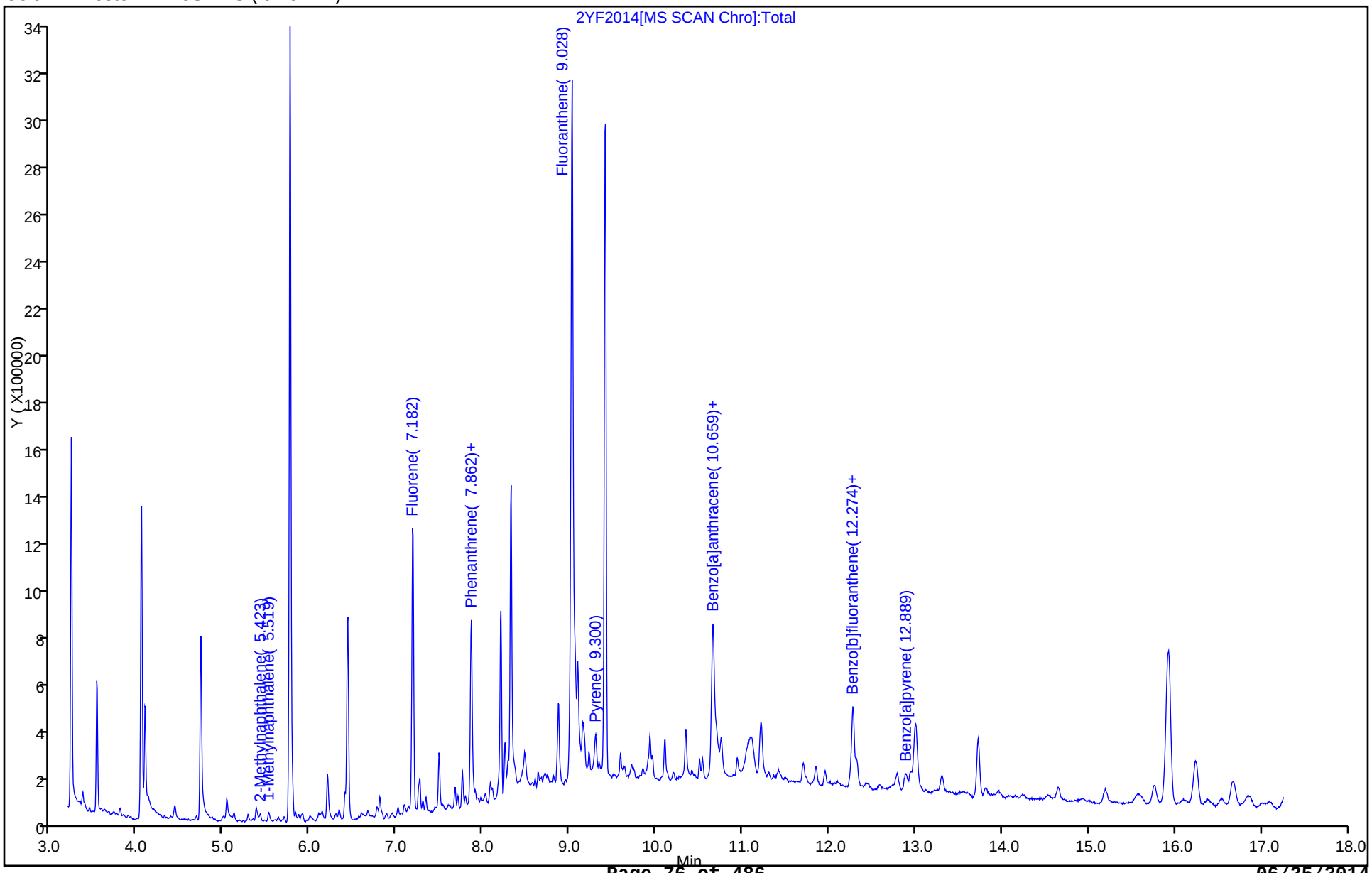
Review Flags
M - Manually Integrated

Report Date: 20-Jun-2014 17:02:11 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5	Worklist Smp#:	14
Client ID:	CV1040-CS-24				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

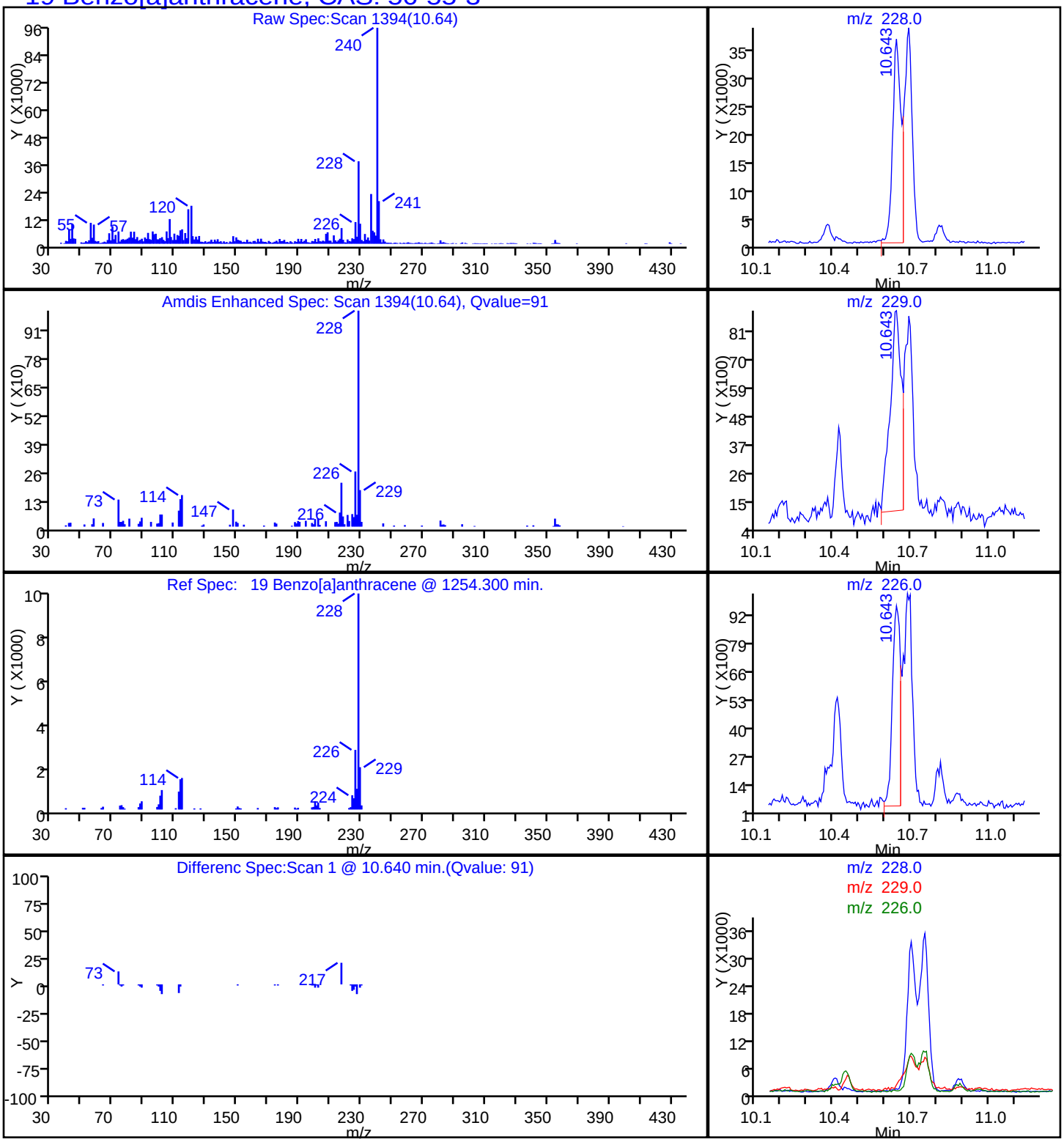


Report Date: 20-Jun-2014 17:02:12 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

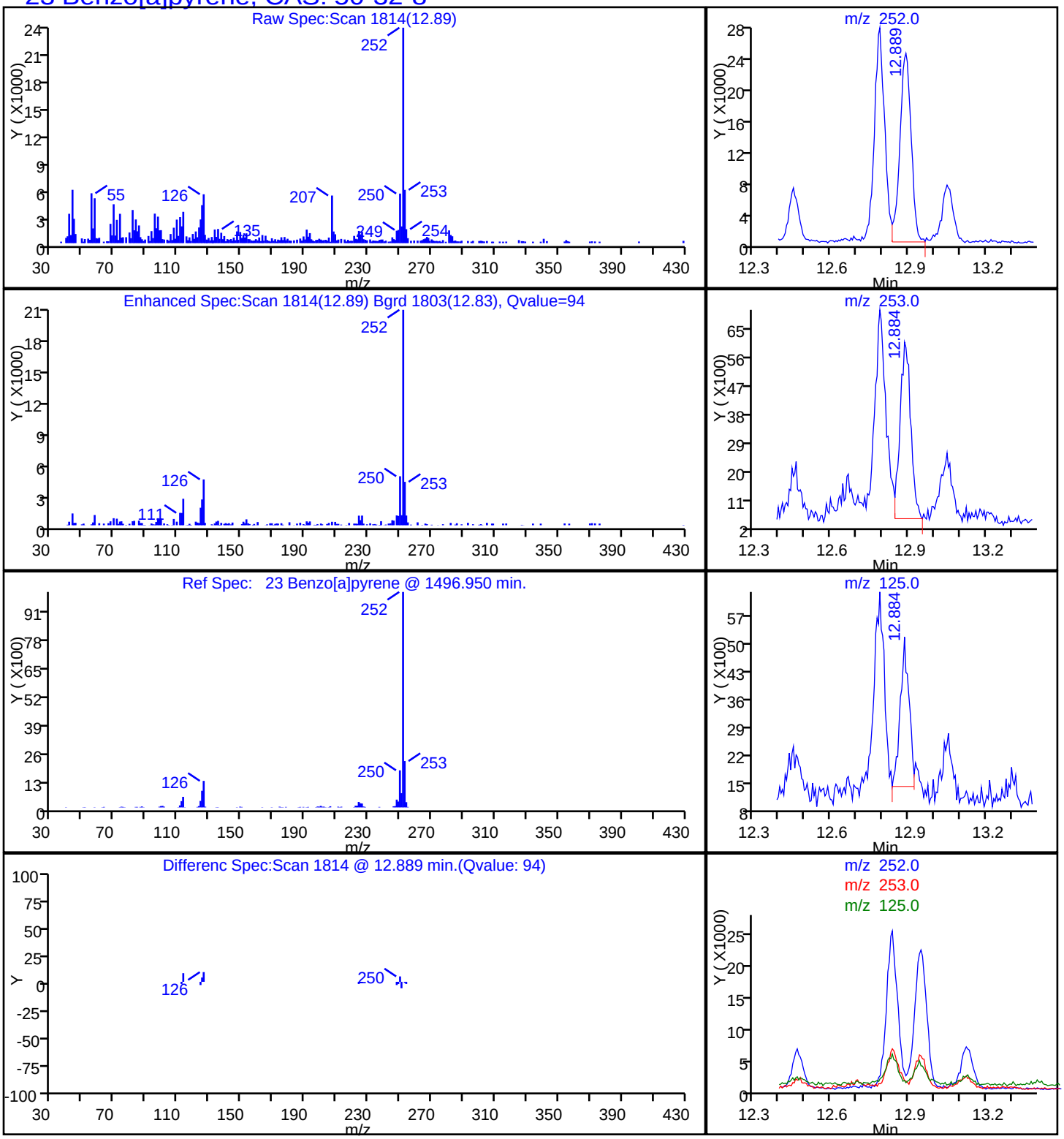


Report Date: 20-Jun-2014 17:02:12 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

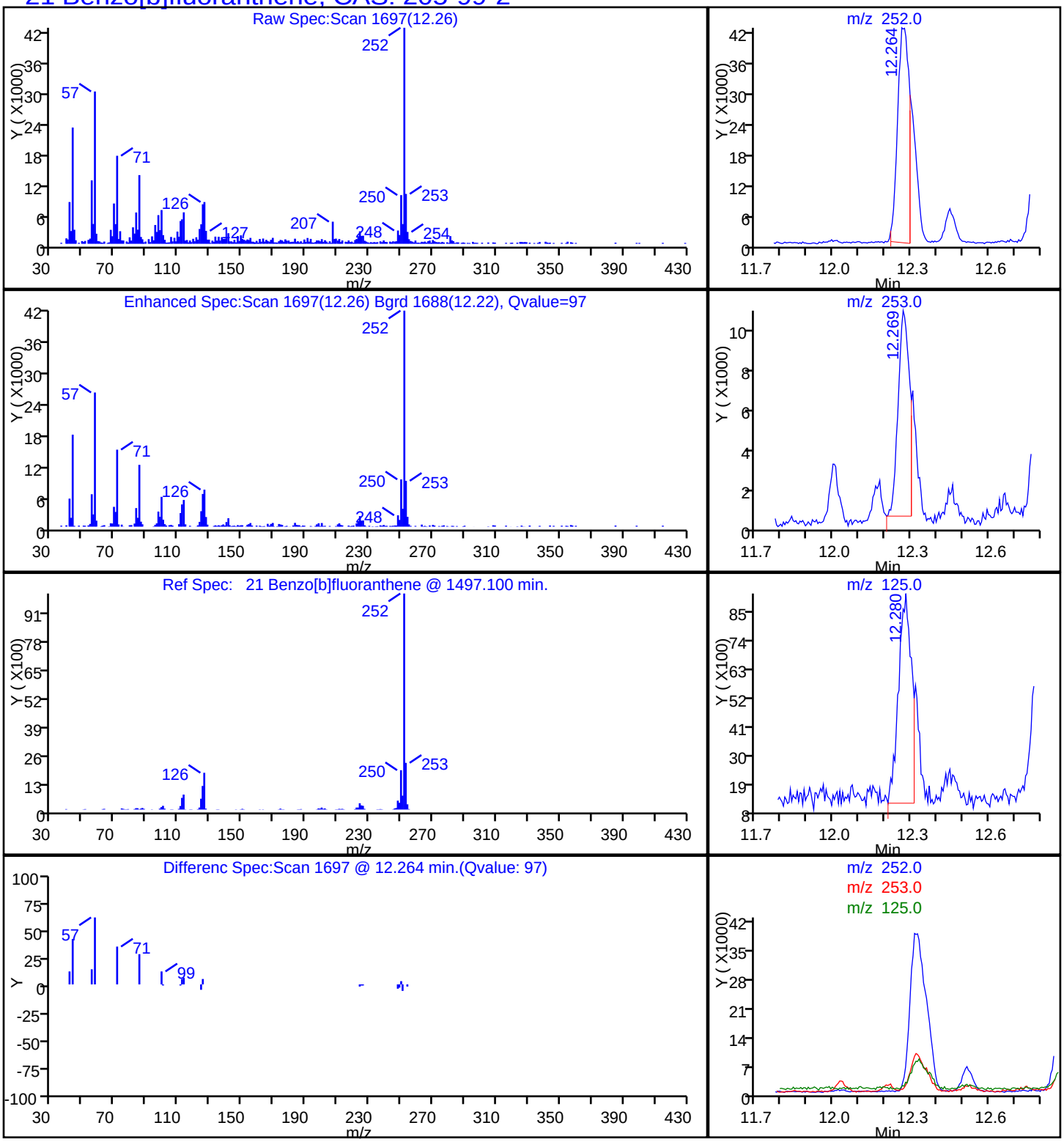


Report Date: 20-Jun-2014 17:02:12 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

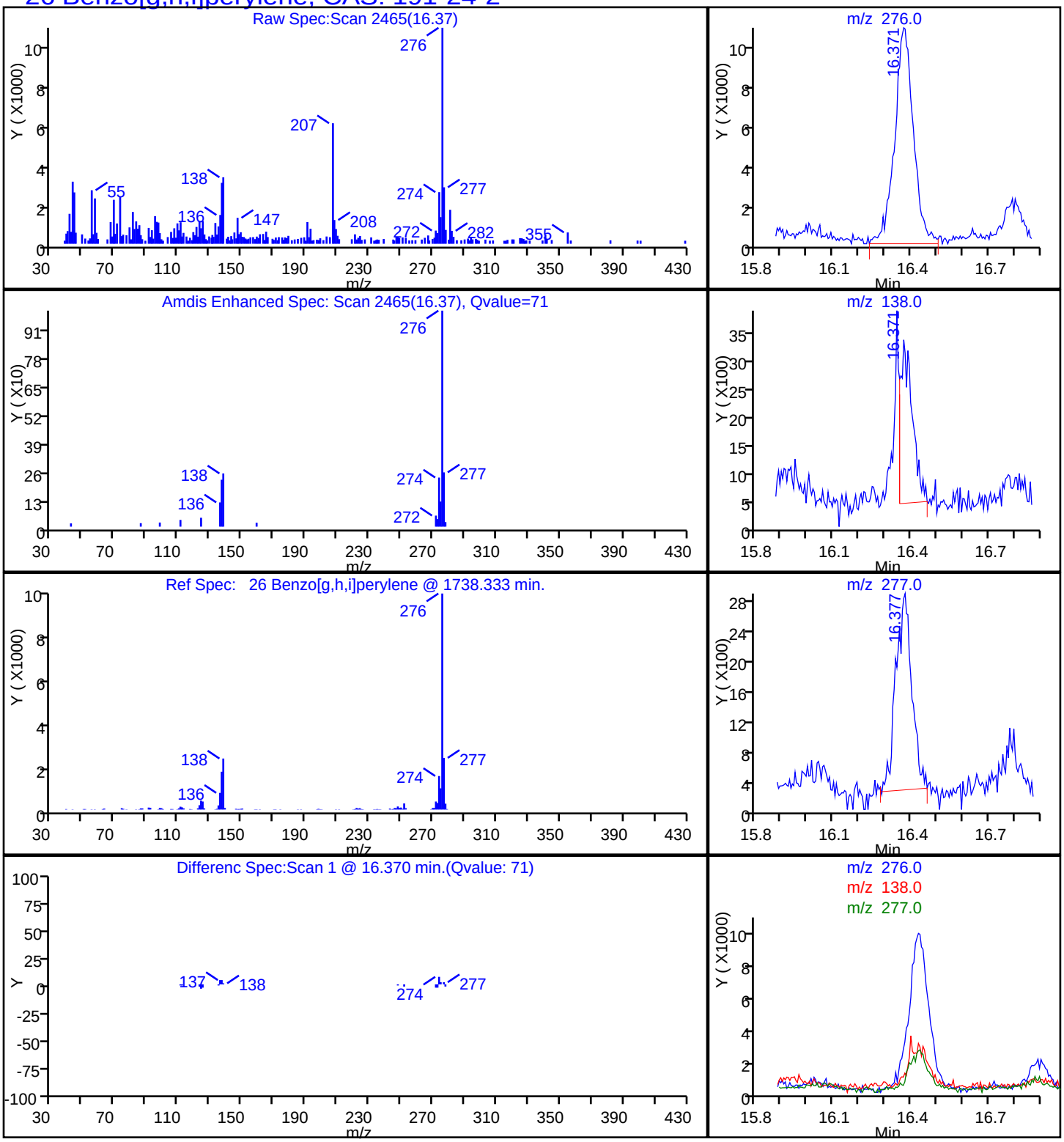


Report Date: 20-Jun-2014 17:02:12 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

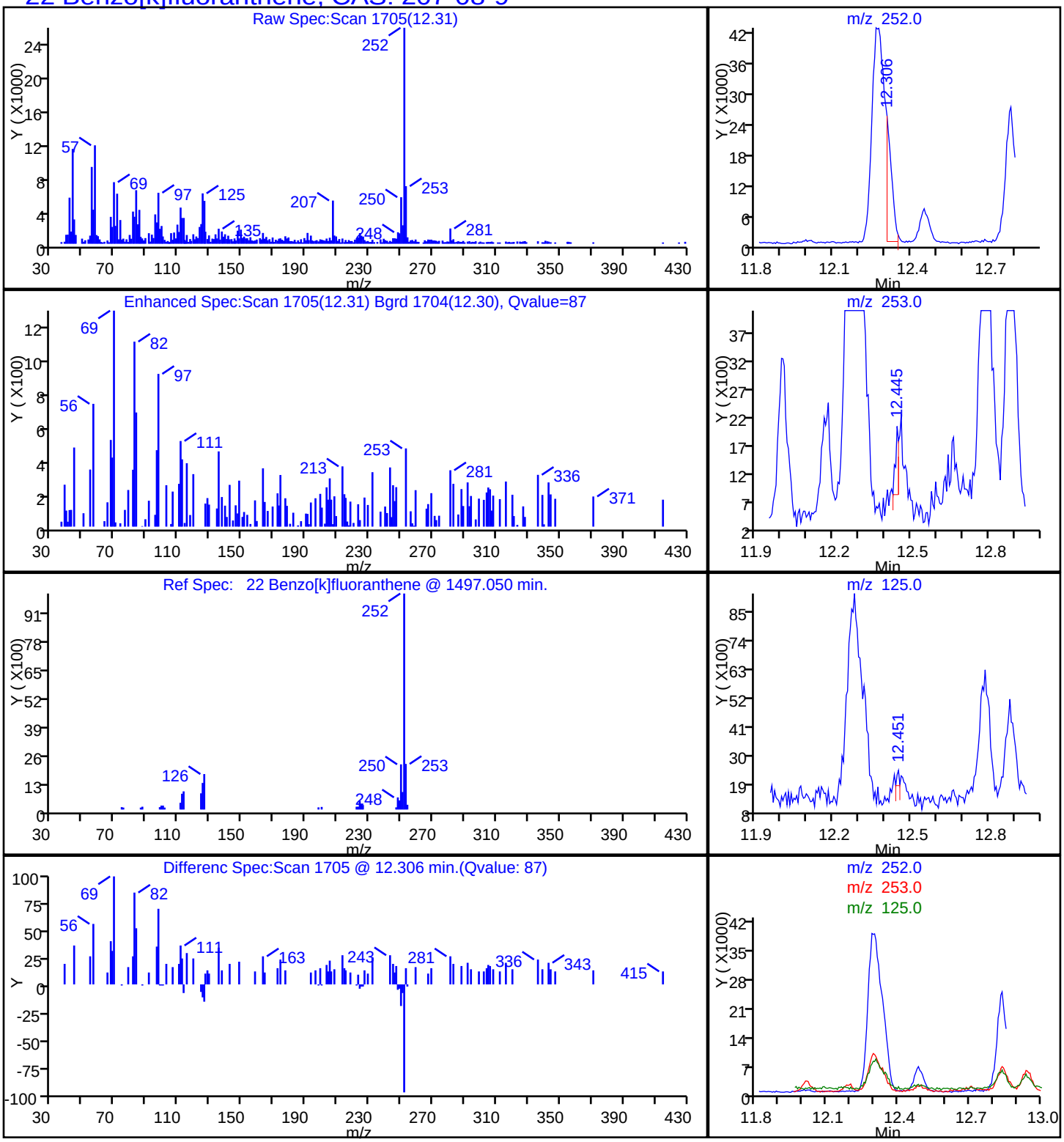


Report Date: 20-Jun-2014 17:02:12 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

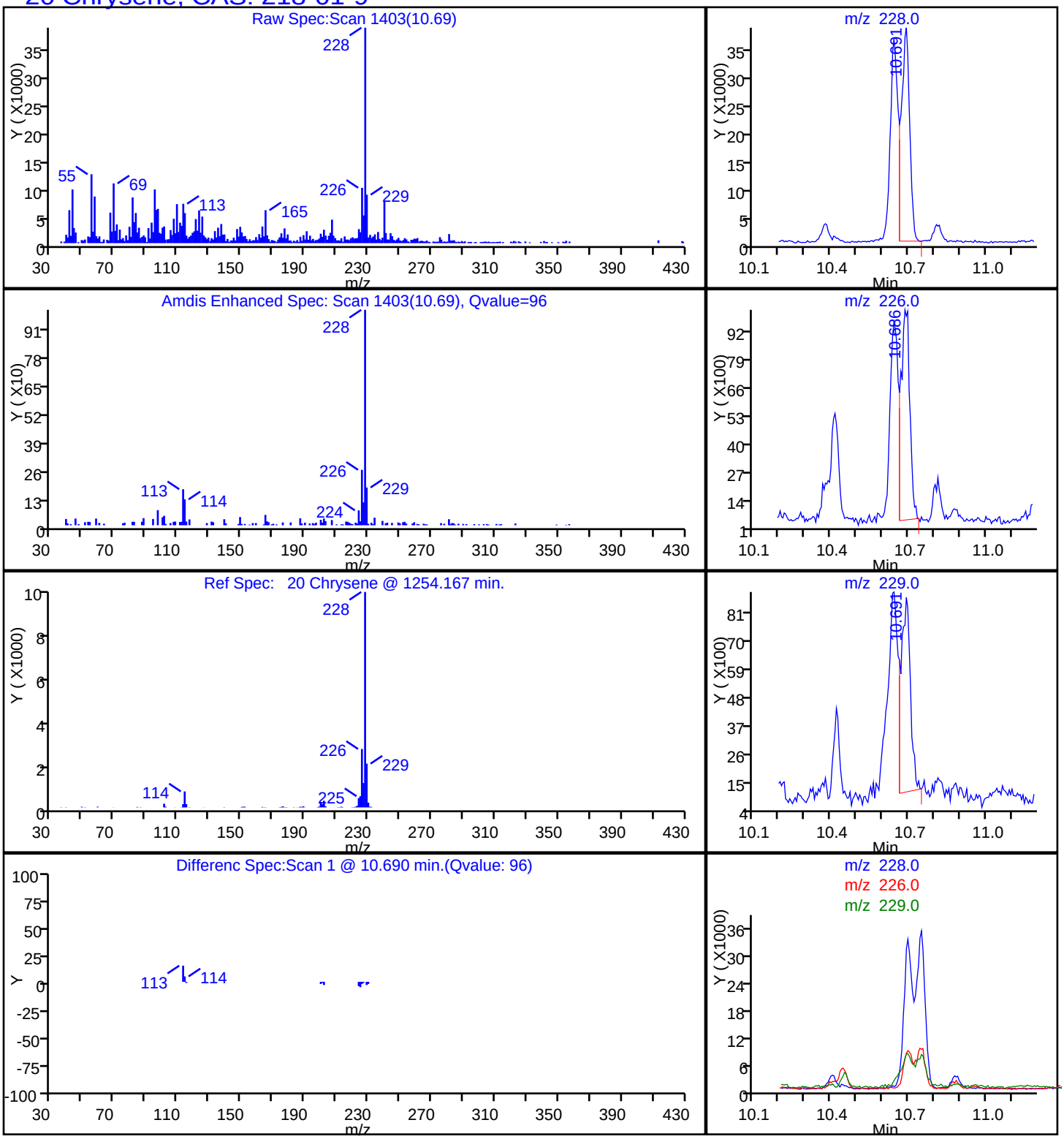


Report Date: 20-Jun-2014 17:02:12 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

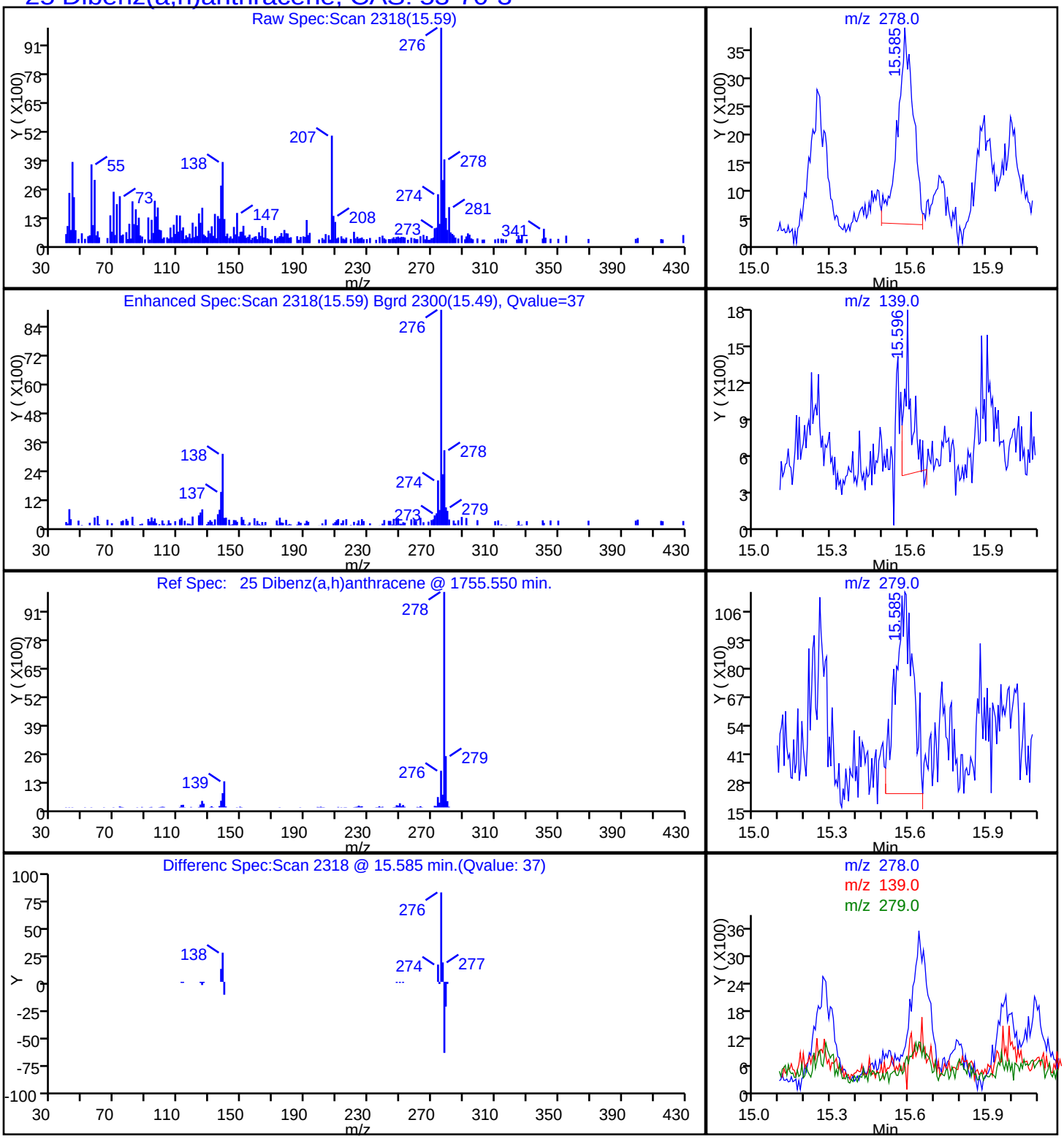


Report Date: 20-Jun-2014 17:02:12 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

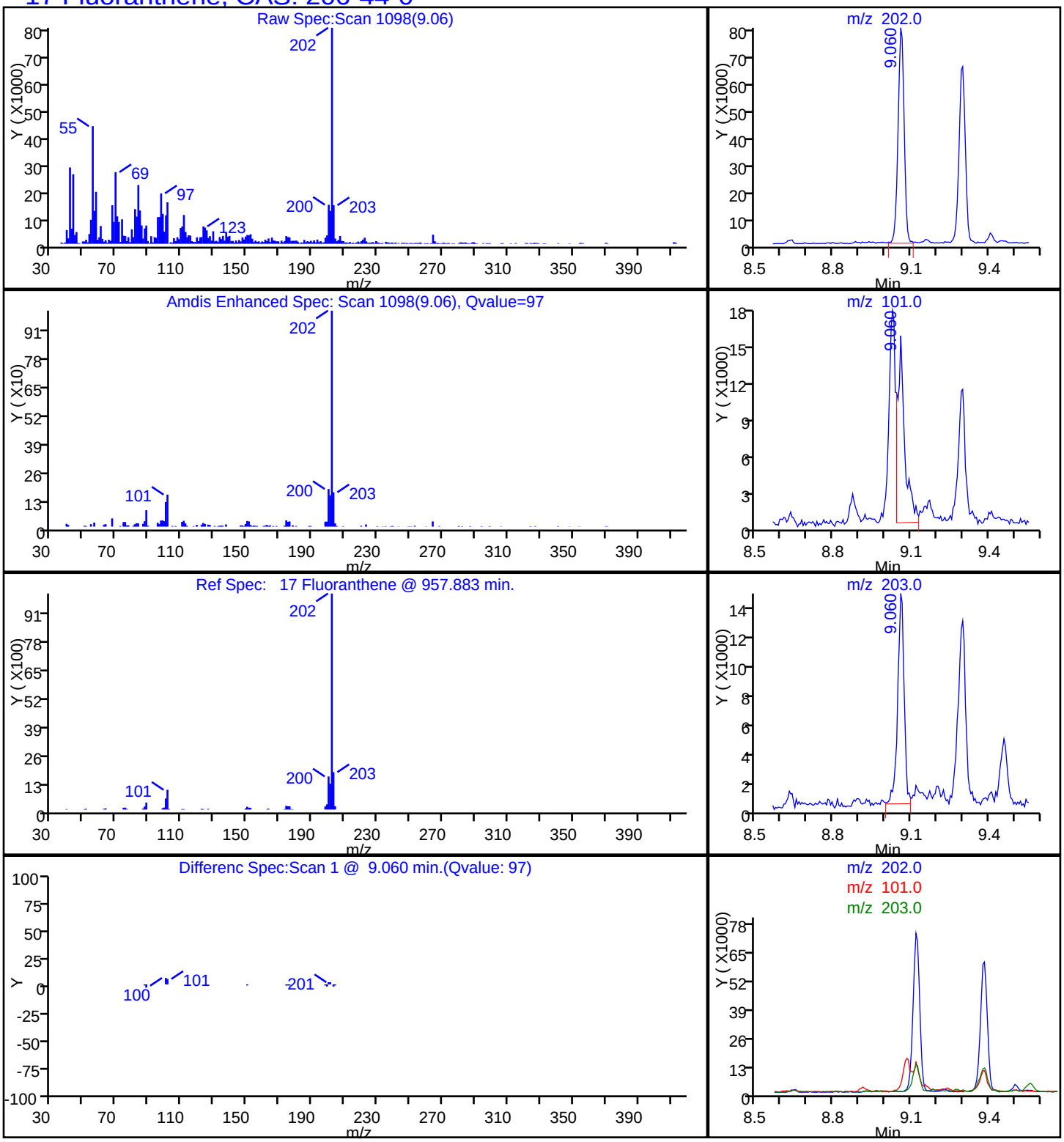


Report Date: 20-Jun-2014 17:02:12 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

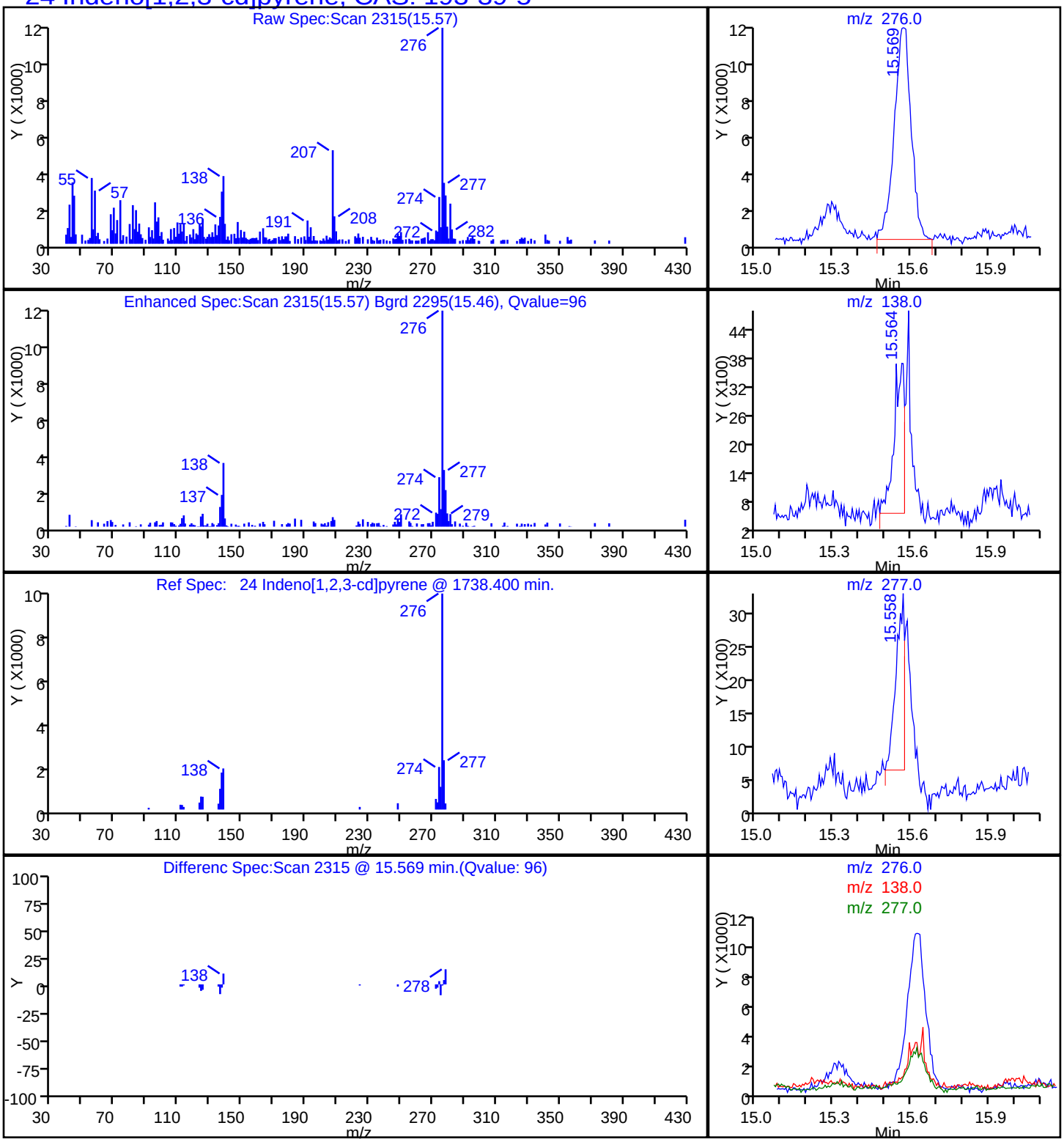


Report Date: 20-Jun-2014 17:02:12 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

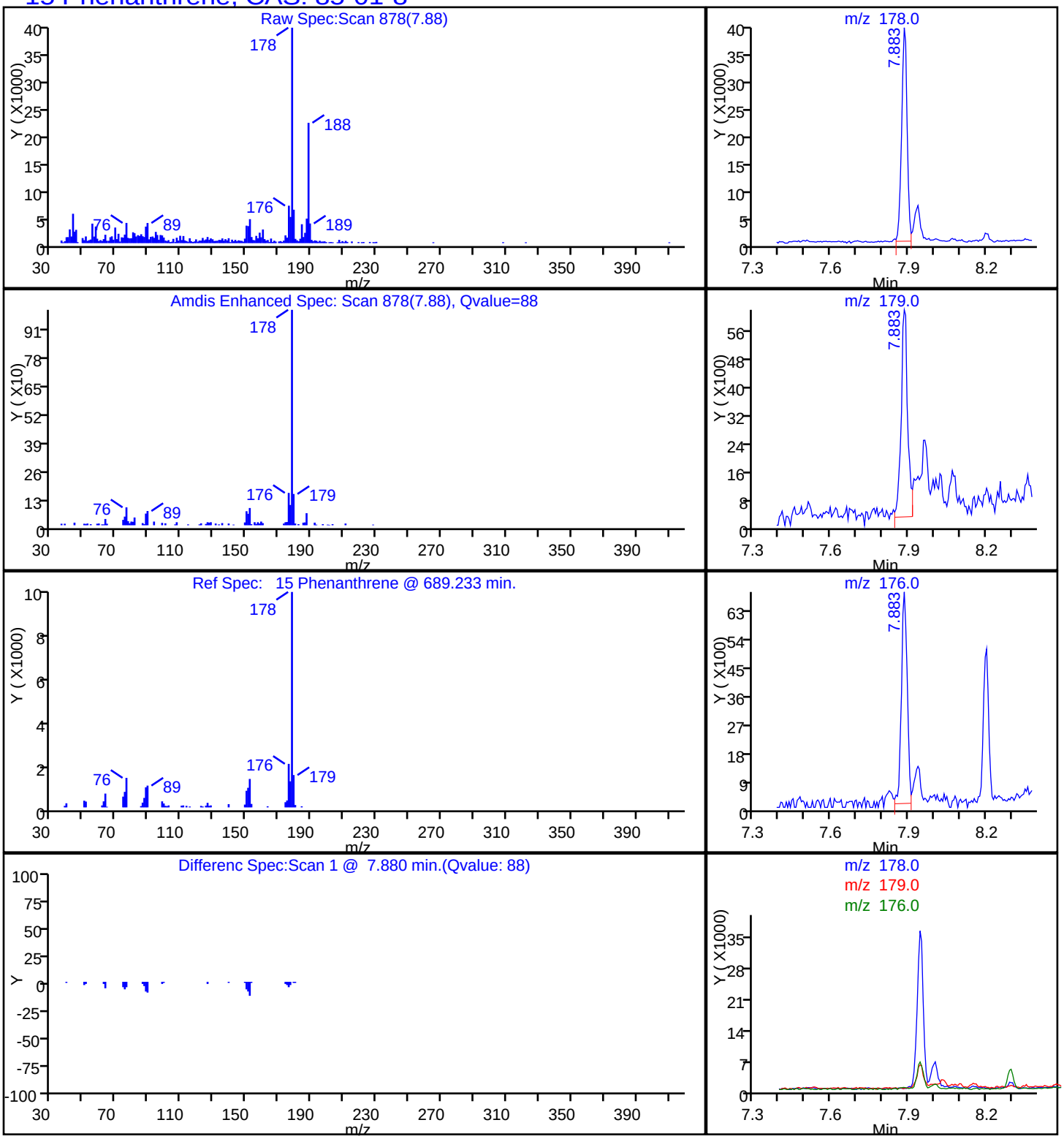


Report Date: 20-Jun-2014 17:02:11 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

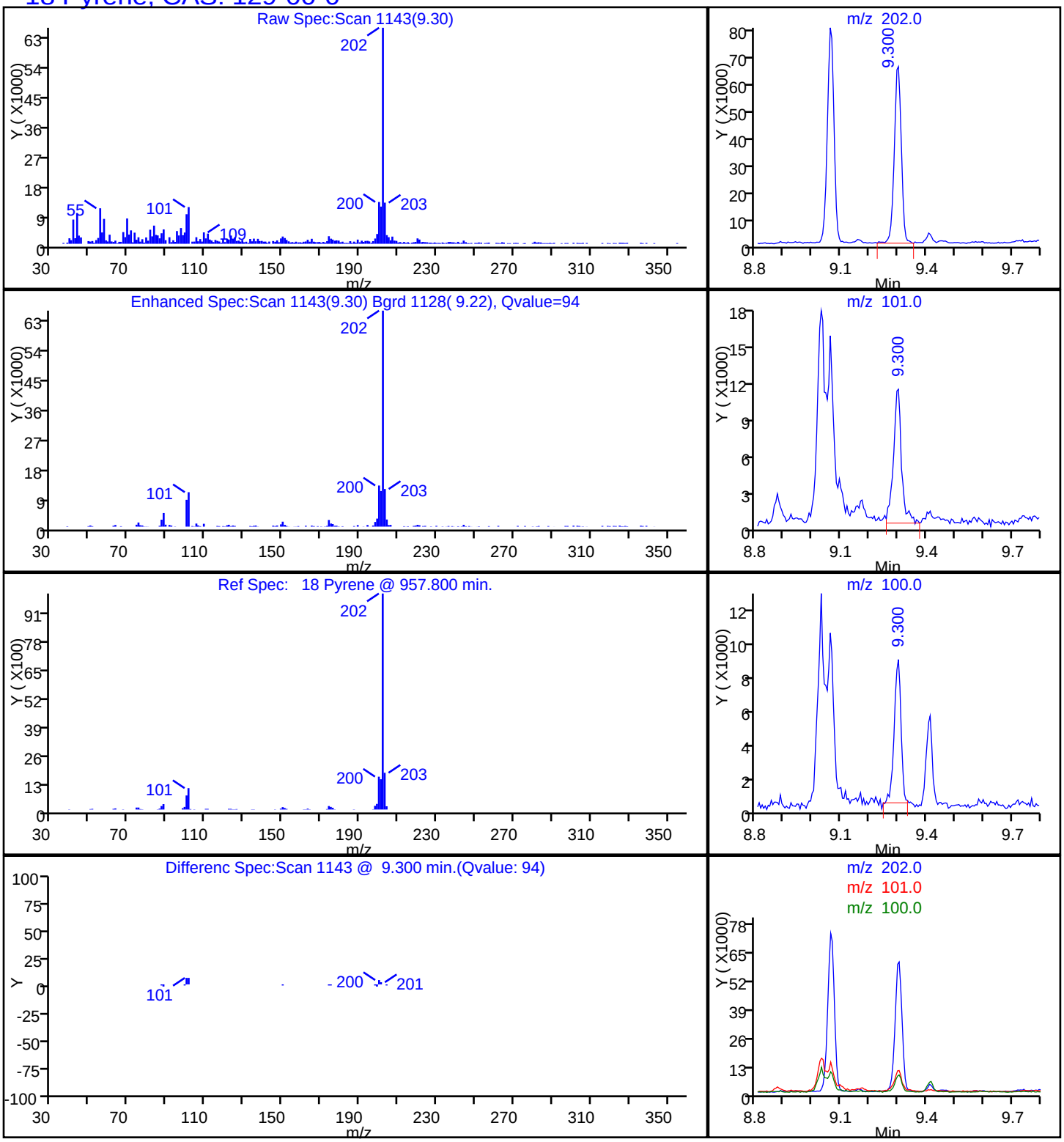


Report Date: 20-Jun-2014 17:02:12 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

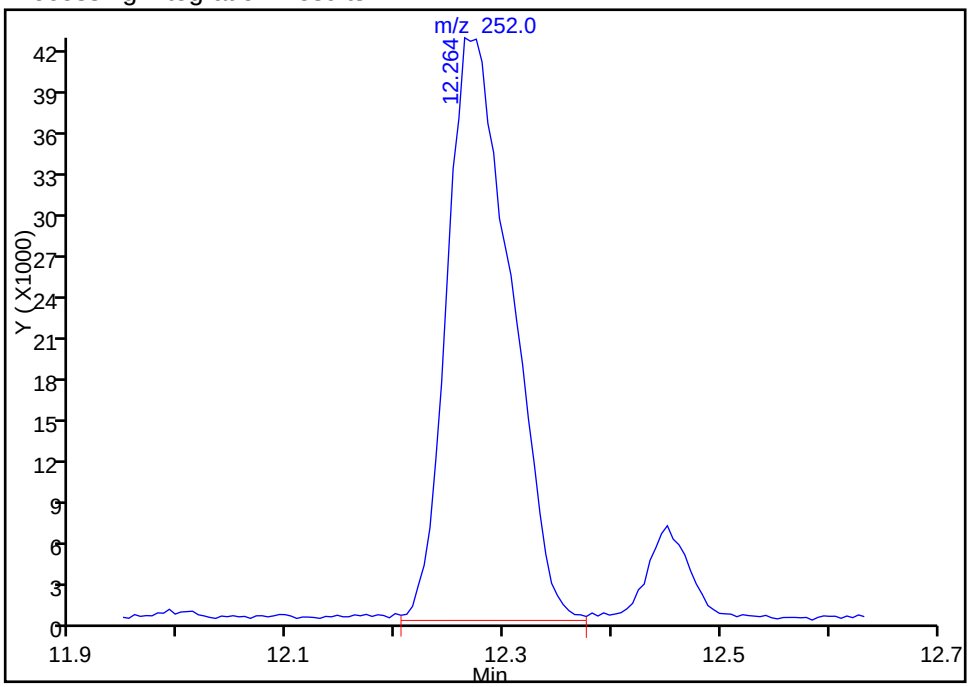
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

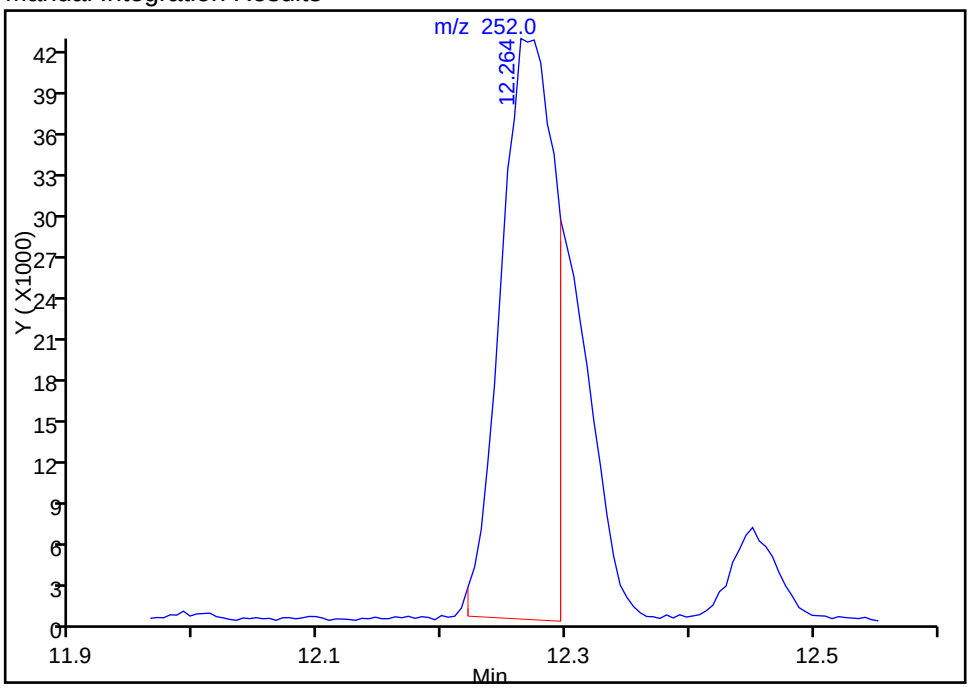
Processing Integration Results

RT: 12.26
Response: 174794
Amount: 0.930706



Manual Integration Results

RT: 12.26
Response: 128303
Amount: 0.683160



Reviewer: moorer, 20-Jun-2014 17:02:11
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

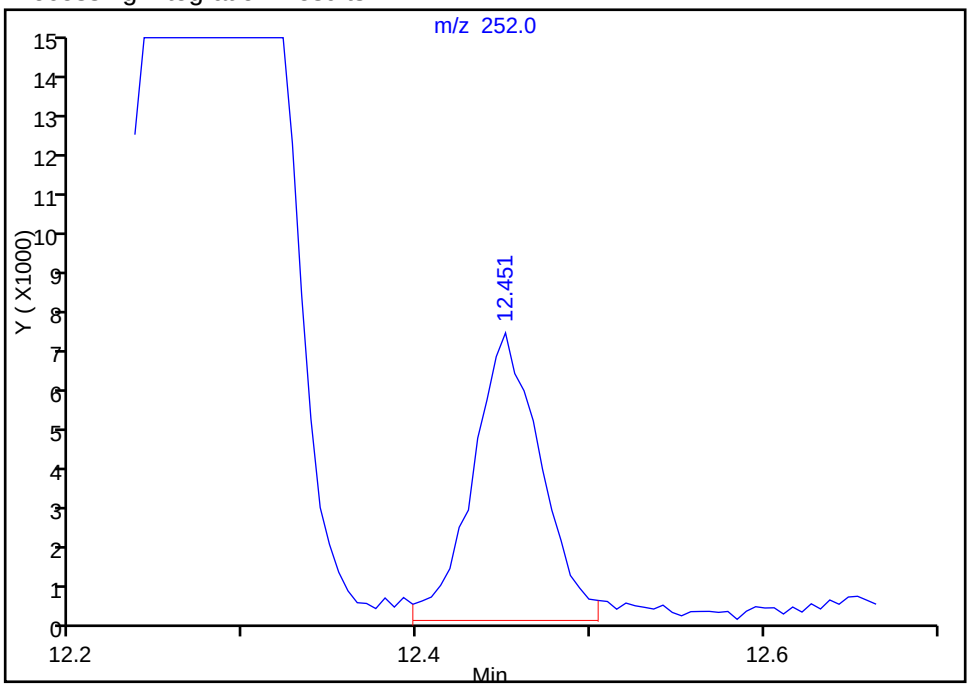
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2014.D				
Injection Date:	20-Jun-2014 14:52:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-5-C	Lab Sample ID:	680-102328-5		
Client ID:	CV1040-CS-24				
Operator ID:	RM	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

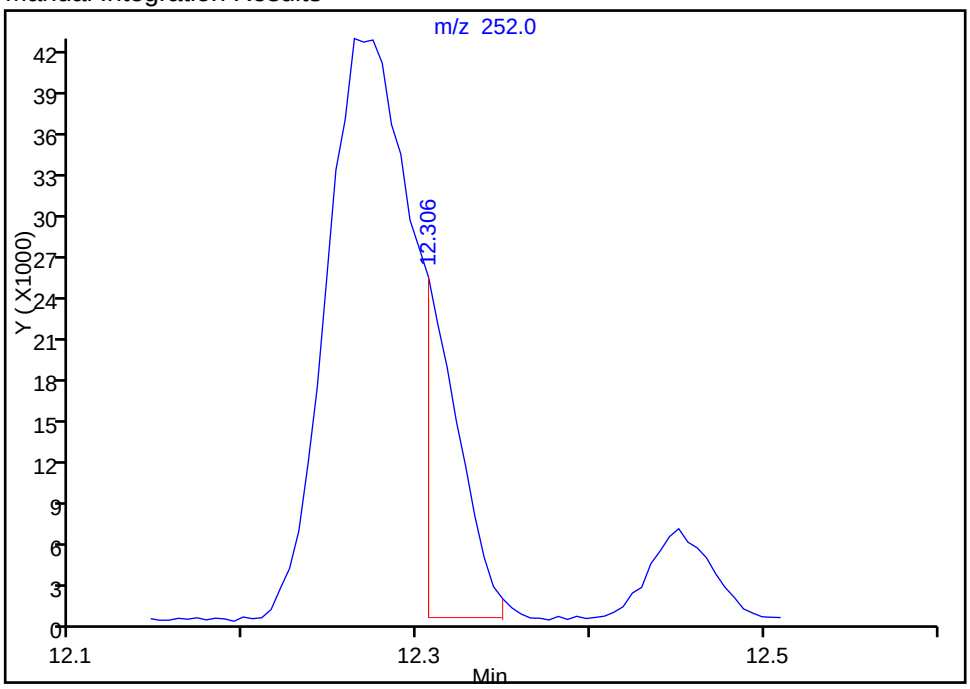
Processing Integration Results

RT: 12.45
Response: 18774
Amount: 0.107446



Manual Integration Results

RT: 12.31
Response: 33593
Amount: 0.192257



Reviewer: moorer, 20-Jun-2014 17:02:11
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.: 680-102328-1 Analy Batch No.: 335312

SDG No.: 680-102328-01

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

Calibration Start Date: 06/20/2014 10:14 Calibration End Date: 06/20/2014 12:33 Calibration ID: 31032

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-335312/8	2YF2008.D
Level 2	IC 680-335312/7	2YF2007.D
Level 3	IC 680-335312/6	2YF2006.D
Level 4	IC 680-335312/5	2YF2005.D
Level 5	ICIS 680-335312/2	2YF2002.D
Level 6	IC 680-335312/4	2YF2004.D
Level 7	IC 680-335312/3	2YF2003.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	1.0600 1.1729	1.1340 1.0677	1.0644	1.1695	1.0999	Ave		1.1098			0.7000	4.4		20.0			
2-Methylnaphthalene	0.6126 0.7001	0.6783 0.6413	0.6410	0.6889	0.7176	Ave		0.6685			0.4000	5.6		20.0			
1-Methylnaphthalene	0.6136 0.7158	0.6926 0.6495	0.6524	0.7042	0.7306	Ave		0.6798				6.2		20.0			
Acenaphthylene	1.6708 1.9761	1.9194 1.8197	1.7857	1.9365	1.7401	Ave		1.8355			0.9000	6.1		20.0			
Acenaphthene	1.1611 1.2593	1.2682 1.1372	1.1747	1.2816	1.1709	Ave		1.2076			0.9000	4.9		20.0			
Fluorene	1.1458 1.2520	1.2782 1.1411	1.1354	1.3271	1.1188	Ave		1.1998			0.9000	7.0		20.0			
Phenanthrene	1.1283 1.2463	1.2309 1.1135	1.1400	1.2328	1.1386	Ave		1.1758			0.7000	4.9		20.0			
Anthracene	1.0663 1.2231	1.1504 1.0779	1.1048	1.1706	1.1217	Ave		1.1307			0.7000	4.9		20.0			
Fluoranthene	1.1708 1.3047	1.2537 1.1636	1.1991	1.1737	1.2176	Ave		1.2119			0.6000	4.3		20.0			
Pyrene	1.5657 1.5580	1.6565 1.3830	1.5349	1.6739	1.4718	Ave		1.5491			0.6000	6.5		20.0			
Benzo[a]anthracene	1.4170 1.1821	1.2397 1.0799	1.1166	1.2349	1.0878	Ave		1.1940			0.7000	9.9		20.0			
Chrysene	1.4499 1.1710	1.2171 1.0491	1.1114	1.2145	1.0244	Ave		1.1768			0.7000	12.0		20.0			
Benzo[b]fluoranthene	1.2553 1.2392	1.2312 1.1344	1.1777	1.3960	1.1574	Ave		1.2273			0.4000	7.1		20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-102328-1 Analy Batch No.: 335312

SDG No.: 680-102328-01

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

Calibration Start Date: 06/20/2014 10:14 Calibration End Date: 06/20/2014 12:33 Calibration ID: 31032

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[k]fluoranthene	1.1939 1.0600	1.2356 1.0824	1.1644	1.1209	1.1358	Ave		1.1419			0.4000	5.4		20.0			
Benzo[a]pyrene	0.9309 1.0563	0.9827 0.9795	0.9622	1.0189	0.9919	Ave		0.9889			0.4000	4.1		20.0			
Indeno[1,2,3-cd]pyrene	0.8631 1.0010	0.8851 0.7987	0.8391	0.8869	0.9074	Ave		0.8830			0.2000	7.2		20.0			
Dibenz(a,h)anthracene	0.7293 0.8925	0.7437 0.7196	0.7574	0.7965	0.8128	Ave		0.7788			0.2000	7.8		20.0			
Benzo[g,h,i]perylene	0.8098 0.9570	0.8588 0.8001	0.7928	0.8841	0.8643	Ave		0.8524			0.2000	6.8		20.0			
o-Terphenyl	1.3053 1.3674	1.4118 1.1689	1.3479	1.5576	1.3166	Ave		1.3536				8.7		20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-102328-1 Analy Batch No.: 335312

SDG No.: 680-102328-01

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

Calibration Start Date: 06/20/2014 10:14 Calibration End Date: 06/20/2014 12:33 Calibration ID: 31032

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-335312/8	2YF2008.D
Level 2	IC 680-335312/7	2YF2007.D
Level 3	IC 680-335312/6	2YF2006.D
Level 4	IC 680-335312/5	2YF2005.D
Level 5	ICIS 680-335312/2	2YF2002.D
Level 6	IC 680-335312/4	2YF2004.D
Level 7	IC 680-335312/3	2YF2003.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	27771 2474005	59212 4945368	125248	292240	1174818	0.100 10.0	0.200 20.0	0.500	1.00	5.00
2-Methylnaphthalene	NPT	Ave	16050 1476663	35420 2970155	75423	172137	766518	0.100 10.0	0.200 20.0	0.500	1.00	5.00
1-Methylnaphthalene	NPT	Ave	16075 1509834	36167 3008195	76761	175980	780375	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Acenaphthylene	ANT	Ave	23834 2303005	53778 4747189	115435	282298	1077317	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Acenaphthene	ANT	Ave	16563 1467644	35533 2966788	75935	186834	724950	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Fluorene	ANT	Ave	16345 1459083	35815 2976736	73399	193455	692648	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Phenanthrene	PHN	Ave	21151 1884165	43026 3869346	94520	240167	869920	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Anthracene	PHN	Ave	19989 1849035	40214 3745898	91600	228055	856972	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Fluoranthene	PHN	Ave	21947 1972423	43825 4043454	99413	228659	930264	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Pyrene	CRY	Ave	23743 2040235	46720 4234238	104835	237200	960034	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[a]anthracene	CRY	Ave	21489 1547975	34965 3306418	76262	174990	709521	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Chrysene	CRY	Ave	21987 1533514	34328 3212184	75907	172093	668199	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[b]fluoranthene	PRY	Ave	17542 1482146	32226 3207577	73572	178968	689232	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[k]fluoranthene	PRY	Ave	16684 1267766	32342 3060423	72739	143704	676367	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[a]pyrene	PRY	Ave	13008 1263389	25721 2769560	60107	130628	590675	0.100 10.0	0.200 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.: 680-102328-1 Analy Batch No.: 335312

SDG No.: 680-102328-01

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

Calibration Start Date: 06/20/2014 10:14 Calibration End Date: 06/20/2014 12:33 Calibration ID: 31032

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	Ave	13088 1310814	24963 2445283	57312	125684	591874	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Dibenz(a,h)anthracene	PRY	Ave	10191 1067474	19465 2034755	47318	102115	484040	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[g,h,i]perylene	PRY	Ave	11316 1144626	22478 2262152	49528	113337	514724	0.100 10.0	0.200 20.0	0.500	1.00	5.00
o-Terphenyl	CRY	Ave	19794 1790634	39818 3578732	92064	220714	858740	0.100 10.0	0.200 20.0	0.500	1.00	5.00

Curve Type Legend
Ave = Average ISTD

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2002.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 20-Jun-2014 10:14:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: ICIS
Misc. Info.: 680-0010283-002 =680-0010283-002
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 16:27:02 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 16:26:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.743	4.743	0.000	99	427252	2.00	2.00	
* 2 Acenaphthene-d10	164	6.433	6.433	0.000	92	247647	2.00	2.00	
* 3 Phenanthrene-d10	188	7.856	7.856	0.000	99	305607	2.00	2.00	
* 4 Chrysene-d12	240	10.654	10.654	0.000	98	260906	2.00	2.00	
* 5 Perylene-d12	264	12.991	12.991	0.000	96	238209	2.00	2.00	
$ 6 o-Terphenyl	230	8.204	8.204	0.000	88	858740	5.00	4.86	
7 Naphthalene	128	4.765	4.765	0.000	99	1174818	5.00	4.96	
9 1-Methylnaphthalene	142	5.524	5.524	0.000	89	780375	5.00	5.40	
8 2-Methylnaphthalene	142	5.428	5.428	0.000	85	766518	5.00	5.34	
11 Acenaphthylene	152	6.300	6.300	0.000	98	1077317	5.00	4.74	
12 Acenaphthene	153	6.466	6.466	0.000	94	724950	5.00	4.85	
14 Fluorene	166	6.952	6.952	0.000	85	692648	5.00	4.66	
15 Phenanthrene	178	7.883	7.883	0.000	98	869920	5.00	4.84	
16 Anthracene	178	7.931	7.931	0.000	97	856972	5.00	4.96	
17 Fluoranthene	202	9.060	9.060	0.000	98	930264	5.00	5.02	
18 Pyrene	202	9.295	9.295	0.000	97	960034	5.00	4.75	
19 Benzo[a]anthracene	228	10.643	10.643	0.000	99	709521	5.00	4.56	
20 Chrysene	228	10.691	10.691	0.000	96	668199	5.00	4.35	
21 Benzo[b]fluoranthene	252	12.263	12.263	0.000	99	689232	5.00	4.71	
22 Benzo[k]fluoranthene	252	12.306	12.306	0.000	95	676367	5.00	4.80	
23 Benzo[a]pyrene	252	12.884	12.884	0.000	95	590675	5.00	5.01	
24 Indeno[1,2,3-cd]pyrene	276	15.574	15.574	0.000	94	591874	5.00	5.10	
25 Dibenz(a,h)anthracene	278	15.596	15.596	0.000	76	484040	5.00	5.24	
26 Benzo[g,h,i]perylene	276	16.371	16.371	0.000	84	514724	5.00	5.10	

Report Date: 20-Jun-2014 16:27:02 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2002.D

Injection Date: 20-Jun-2014 10:14:30 Instrument ID: CMSY Operator ID: RM

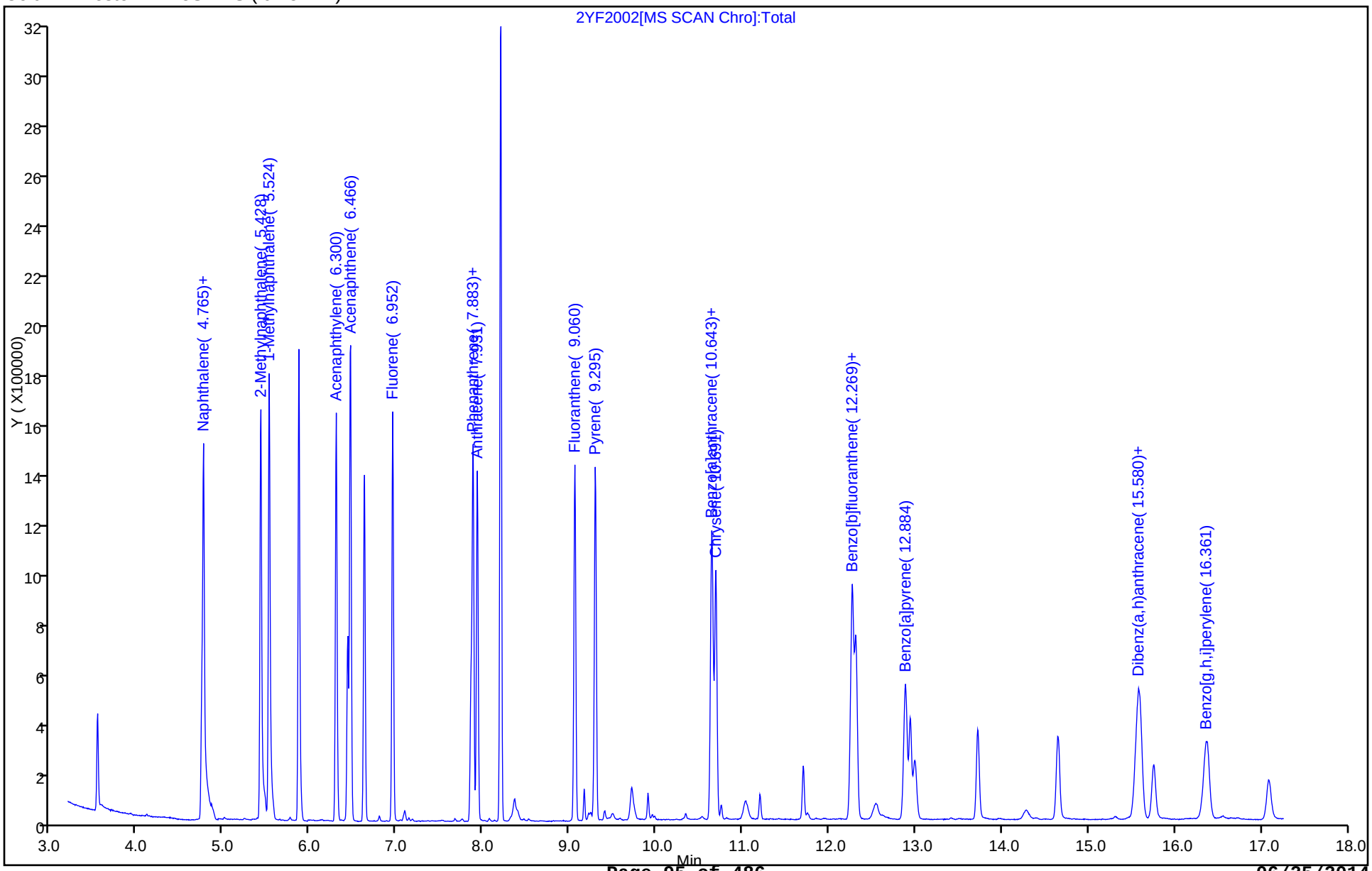
Lims ID: ICIS Worklist Smp#: 2

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\20140620-10283.b\2YF2003.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Jun-2014 10:37:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0010283-003 =680-0010283-003
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 16:27:11 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 11:49:33

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	4.743	4.743	0.000	99	463161	2.00	2.00	
* 2 Acenaphthene-d10	164	6.434	6.433	0.001	92	260874	2.00	2.00	
* 3 Phenanthrene-d10	188	7.862	7.856	0.006	98	347509	2.00	2.00	
* 4 Chrysene-d12	240	10.664	10.654	0.010	97	306171	2.00	2.00	
* 5 Perylene-d12	264	12.996	12.991	0.005	96	282744	2.00	2.00	
$ 6 o-Terphenyl	230	8.209	8.204	0.005	89	3578732	20.0	17.3	
7 Naphthalene	128	4.765	4.765	0.000	99	4945368	20.0	19.2	
8 2-Methylnaphthalene	142	5.428	5.428	0.000	83	2970155	20.0	19.1	
9 1-Methylnaphthalene	142	5.530	5.524	0.006	89	3008195	20.0	19.2	
11 Acenaphthylene	152	6.300	6.300	0.000	96	4747189	20.0	19.8	
12 Acenaphthene	153	6.466	6.466	0.000	94	2966788	20.0	18.8	
14 Fluorene	166	6.958	6.952	0.006	85	2976736	20.0	19.0	
15 Phenanthrene	178	7.888	7.883	0.005	97	3869346	20.0	18.9	
16 Anthracene	178	7.937	7.931	0.006	98	3745898	20.0	19.1	
17 Fluoranthene	202	9.065	9.060	0.005	98	4043454	20.0	19.2	
18 Pyrene	202	9.300	9.295	0.005	97	4234238	20.0	17.9	
19 Benzo[a]anthracene	228	10.648	10.643	0.005	99	3306418	20.0	18.1	
20 Chrysene	228	10.702	10.691	0.011	96	3212184	20.0	17.8	
21 Benzo[b]fluoranthene	252	12.280	12.263	0.017	99	3207577	20.0	18.5	
22 Benzo[k]fluoranthene	252	12.328	12.306	0.022	99	3060423	20.0	18.3	
23 Benzo[a]pyrene	252	12.900	12.884	0.016	96	2769560	20.0	19.8	
24 Indeno[1,2,3-cd]pyrene	276	15.617	15.574	0.043	94	2445283	20.0	17.9	
25 Dibenz(a,h)anthracene	278	15.644	15.596	0.048	92	2034755	20.0	18.6	
26 Benzo[g,h,i]perylene	276	16.409	16.371	0.038	92	2262152	20.0	18.9	

Report Date: 20-Jun-2014 16:27:11 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2003.D

Injection Date: 20-Jun-2014 10:37:30 Instrument ID: CMSY Operator ID: RM

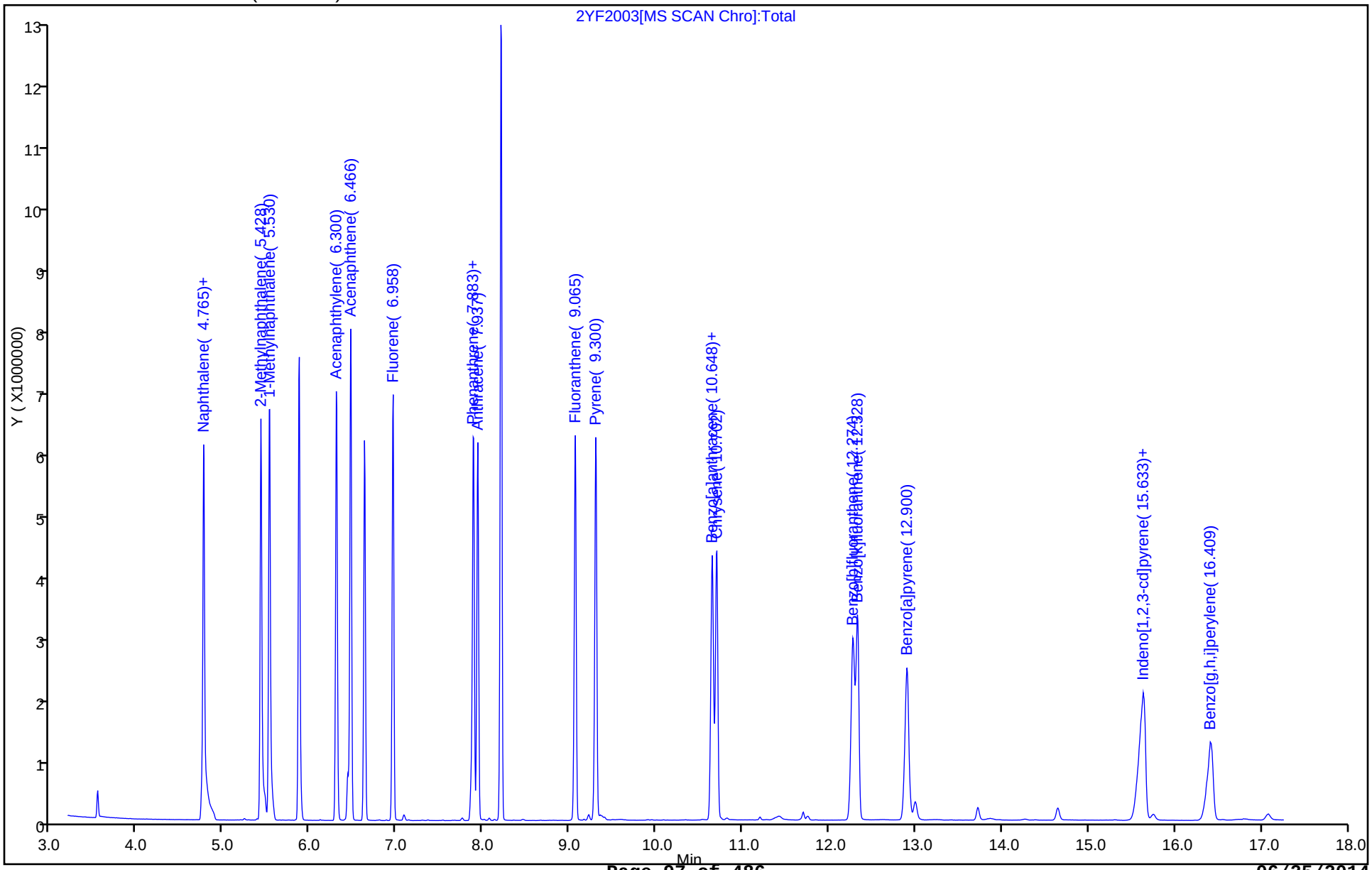
Lims ID: IC Worklist Smp#: 3

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\20140620-10283.b\2YF2004.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 20-Jun-2014 11:00:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0010283-004 =680-0010283-004
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 16:27:21 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 11:50:40

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	4.743	4.743	0.000	99	421861	2.00	2.00	
* 2 Acenaphthene-d10	164	6.433	6.433	0.000	93	233086	2.00	2.00	
* 3 Phenanthrene-d10	188	7.856	7.856	0.000	99	302357	2.00	2.00	
* 4 Chrysene-d12	240	10.659	10.654	0.005	97	261910	2.00	2.00	
* 5 Perylene-d12	264	12.991	12.991	0.000	96	239204	2.00	2.00	
$ 6 o-Terphenyl	230	8.204	8.204	0.000	89	1790634	10.0	10.1	
7 Naphthalene	128	4.765	4.765	0.000	99	2474005	10.0	10.6	
8 2-Methylnaphthalene	142	5.428	5.428	0.000	83	1476663	10.0	10.5	
9 1-Methylnaphthalene	142	5.524	5.524	0.000	90	1509834	10.0	10.5	
11 Acenaphthylene	152	6.300	6.300	0.000	98	2303005	10.0	10.8	
12 Acenaphthene	153	6.466	6.466	0.000	95	1467644	10.0	10.4	
14 Fluorene	166	6.952	6.952	0.000	85	1459083	10.0	10.4	
15 Phenanthrene	178	7.883	7.883	0.000	98	1884165	10.0	10.6	
16 Anthracene	178	7.931	7.931	0.000	97	1849035	10.0	10.8	
17 Fluoranthene	202	9.060	9.060	0.000	98	1972423	10.0	10.8	
18 Pyrene	202	9.300	9.295	0.005	97	2040235	10.0	10.1	
19 Benzo[a]anthracene	228	10.643	10.643	0.000	99	1547975	10.0	9.90	
20 Chrysene	228	10.696	10.691	0.005	96	1533514	10.0	9.95	
21 Benzo[b]fluoranthene	252	12.269	12.263	0.006	99	1482146	10.0	10.1	
22 Benzo[k]fluoranthene	252	12.317	12.306	0.011	99	1267766	10.0	8.96	
23 Benzo[a]pyrene	252	12.889	12.884	0.005	96	1263389	10.0	10.7	
24 Indeno[1,2,3-cd]pyrene	276	15.590	15.574	0.016	90	1310814	10.0	11.2	
25 Dibenz(a,h)anthracene	278	15.612	15.596	0.016	91	1067474	10.0	11.5	
26 Benzo[g,h,i]perylene	276	16.382	16.371	0.011	91	1144626	10.0	11.3	

Report Date: 20-Jun-2014 16:27:21 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2004.D

Injection Date: 20-Jun-2014 11:00:30 Instrument ID: CMSY Operator ID: RM

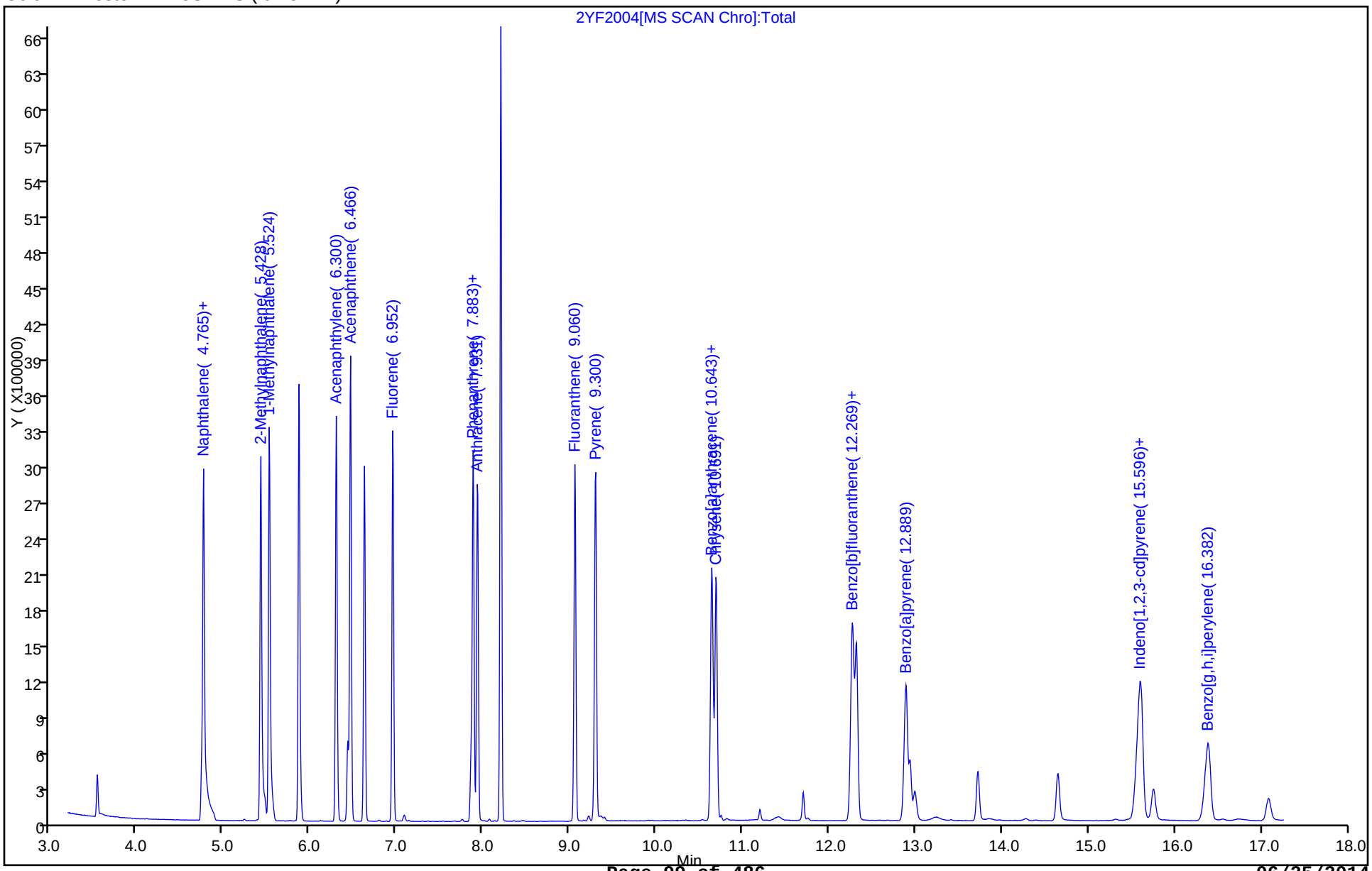
Lims ID: IC Worklist Smp#: 4

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\20140620-10283.b\2YF2005.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Jun-2014 11:23:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0010283-005 =680-0010283-005
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 16:27:49 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 16:27:49

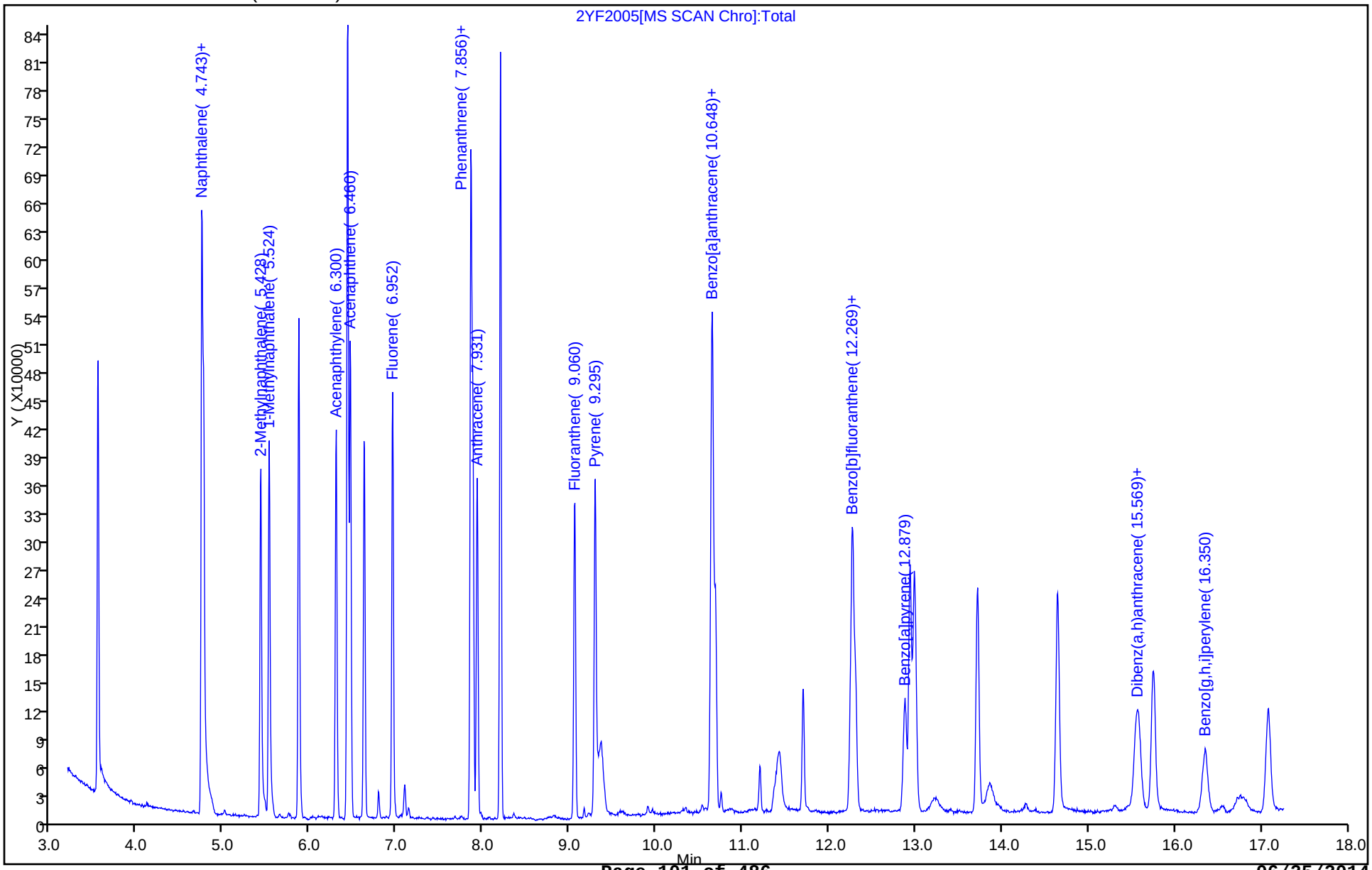
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.743	4.743	0.000	100	499767	2.00	2.00	
* 2 Acenaphthene-d10	164	6.433	6.433	0.000	91	291553	2.00	2.00	
* 3 Phenanthrene-d10	188	7.856	7.856	0.000	99	389625	2.00	2.00	
* 4 Chrysene-d12	240	10.653	10.654	-0.001	99	283408	2.00	2.00	
* 5 Perylene-d12	264	12.985	12.991	-0.006	96	256403	2.00	2.00	
$ 6 o-Terphenyl	230	8.198	8.204	-0.006	89	220714	1.00	1.15	
7 Naphthalene	128	4.765	4.765	0.000	99	292240	1.00	1.05	
8 2-Methylnaphthalene	142	5.428	5.428	0.000	82	172137	1.00	1.03	
9 1-Methylnaphthalene	142	5.524	5.524	0.000	89	175980	1.00	1.04	
11 Acenaphthylene	152	6.300	6.300	0.000	97	282298	1.00	1.06	
12 Acenaphthene	153	6.460	6.466	-0.006	93	186834	1.00	1.06	
14 Fluorene	166	6.952	6.952	0.000	85	193455	1.00	1.11	
15 Phenanthrene	178	7.878	7.883	-0.005	98	240167	1.00	1.05	
16 Anthracene	178	7.931	7.931	0.000	98	228055	1.00	1.04	
17 Fluoranthene	202	9.060	9.060	0.000	98	228659	1.00	0.9685	
18 Pyrene	202	9.295	9.295	0.000	97	237200	1.00	1.08	
19 Benzo[a]anthracene	228	10.637	10.643	-0.006	99	174990	1.00	1.03	
20 Chrysene	228	10.686	10.691	-0.005	96	172093	1.00	1.03	
21 Benzo[b]fluoranthene	252	12.258	12.263	-0.005	98	178968	1.00	1.14	
22 Benzo[k]fluoranthene	252	12.301	12.306	-0.005	58	143704	1.00	0.9800	
23 Benzo[a]pyrene	252	12.879	12.884	-0.006	95	130628	1.00	1.03	
24 Indeno[1,2,3-cd]pyrene	276	15.558	15.574	-0.016	94	125684	1.00	1.00	
25 Dibenz(a,h)anthracene	278	15.580	15.596	-0.016	82	102115	1.00	1.02	
26 Benzo[g,h,i]perylene	276	16.350	16.371	-0.021	87	113337	1.00	1.04	

Report Date: 20-Jun-2014 16:27:49 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2005.D				
Injection Date:	20-Jun-2014 11:23:30	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\20140620-10283.b\2YF2006.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Jun-2014 11:46:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0010283-006 =680-0010283-006
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 16:28:47 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 16:28:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.743	4.743	0.000	100	470666	2.00	2.00	
* 2 Acenaphthene-d10	164	6.433	6.433	0.000	93	258579	2.00	2.00	
* 3 Phenanthrene-d10	188	7.856	7.856	0.000	99	331635	2.00	2.00	
* 4 Chrysene-d12	240	10.654	10.654	0.000	99	273198	2.00	2.00	
* 5 Perylene-d12	264	12.986	12.991	-0.005	96	249883	2.00	2.00	
$ 6 o-Terphenyl	230	8.199	8.204	-0.006	90	92064	0.5000	0.4979	
7 Naphthalene	128	4.765	4.765	0.000	99	125248	0.5000	0.4796	
8 2-Methylnaphthalene	142	5.428	5.428	0.000	85	75423	0.5000	0.4794	
9 1-Methylnaphthalene	142	5.524	5.524	0.000	89	76761	0.5000	0.4798	
11 Acenaphthylene	152	6.300	6.300	0.000	97	115435	0.5000	0.4864	
12 Acenaphthene	153	6.460	6.466	-0.006	93	75935	0.5000	0.4864	
14 Fluorene	166	6.952	6.952	0.000	85	73399	0.5000	0.4732	
15 Phenanthrene	178	7.878	7.883	-0.005	96	94520	0.5000	0.4848	
16 Anthracene	178	7.931	7.931	0.000	97	91600	0.5000	0.4886	
17 Fluoranthene	202	9.054	9.060	-0.006	97	99413	0.5000	0.4947	
18 Pyrene	202	9.295	9.295	0.000	95	104835	0.5000	0.4954	
19 Benzo[a]anthracene	228	10.637	10.643	-0.006	94	76262	0.5000	0.4676	
20 Chrysene	228	10.686	10.691	-0.005	96	75907	0.5000	0.4722	
21 Benzo[b]fluoranthene	252	12.258	12.263	-0.005	95	73572	0.5000	0.4798	
22 Benzo[k]fluoranthene	252	12.301	12.306	-0.005	97	72739	0.5000	0.5099	M
23 Benzo[a]pyrene	252	12.879	12.884	-0.005	93	60107	0.5000	0.4865	
24 Indeno[1,2,3-cd]pyrene	276	15.548	15.574	-0.026	96	57312	0.5000	0.4751	
25 Dibenz(a,h)anthracene	278	15.580	15.596	-0.016	81	47318	0.5000	0.4863	
26 Benzo[g,h,i]perylene	276	16.344	16.371	-0.027	83	49528	0.5000	0.4650	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 20-Jun-2014 16:28:47 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2006.D

Injection Date: 20-Jun-2014 11:46:30 Instrument ID: CMSY Operator ID: RM

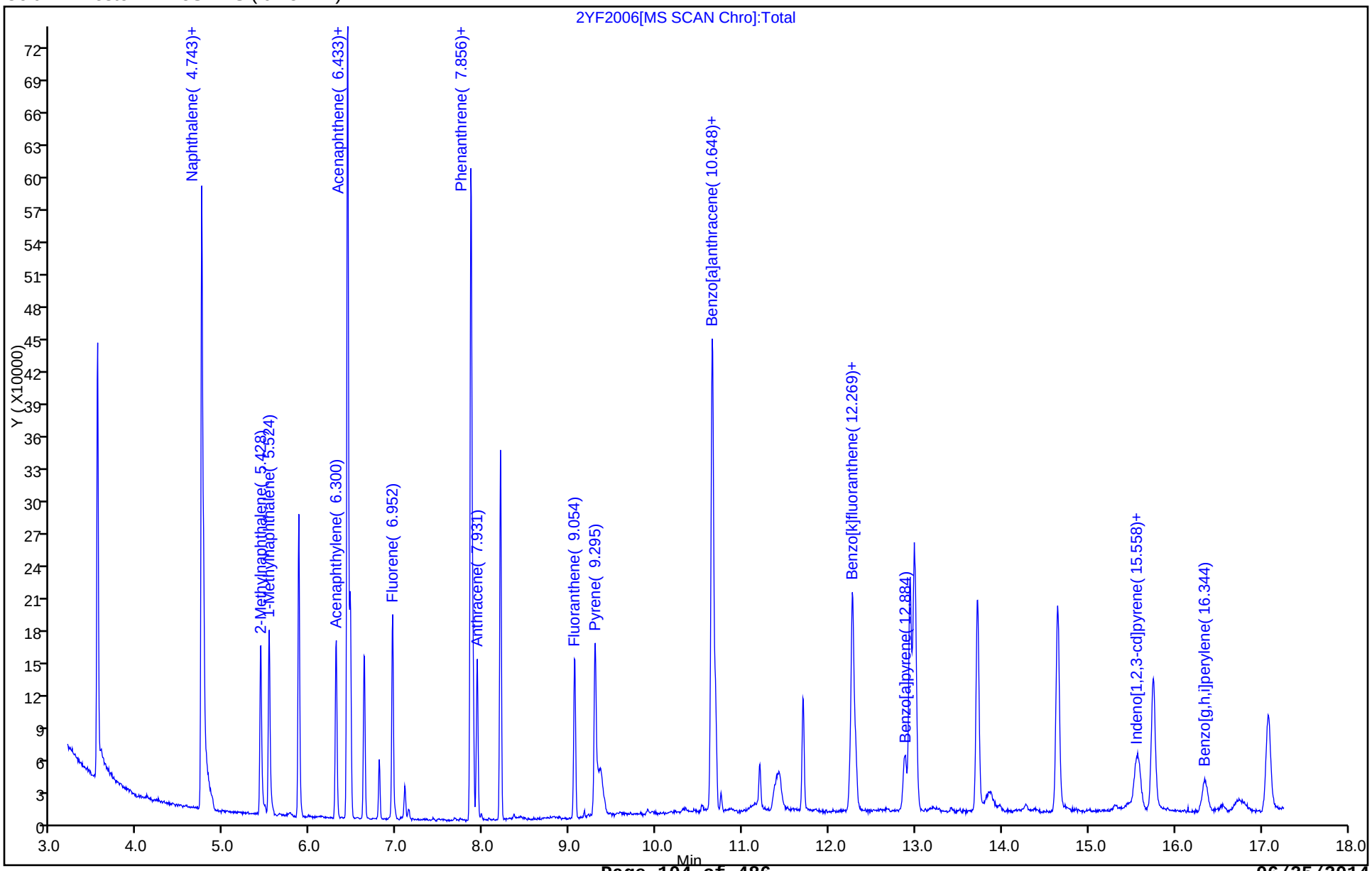
Lims ID: IC Worklist Smp#: 6

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)



Manual Integration/User Assign Peak Report

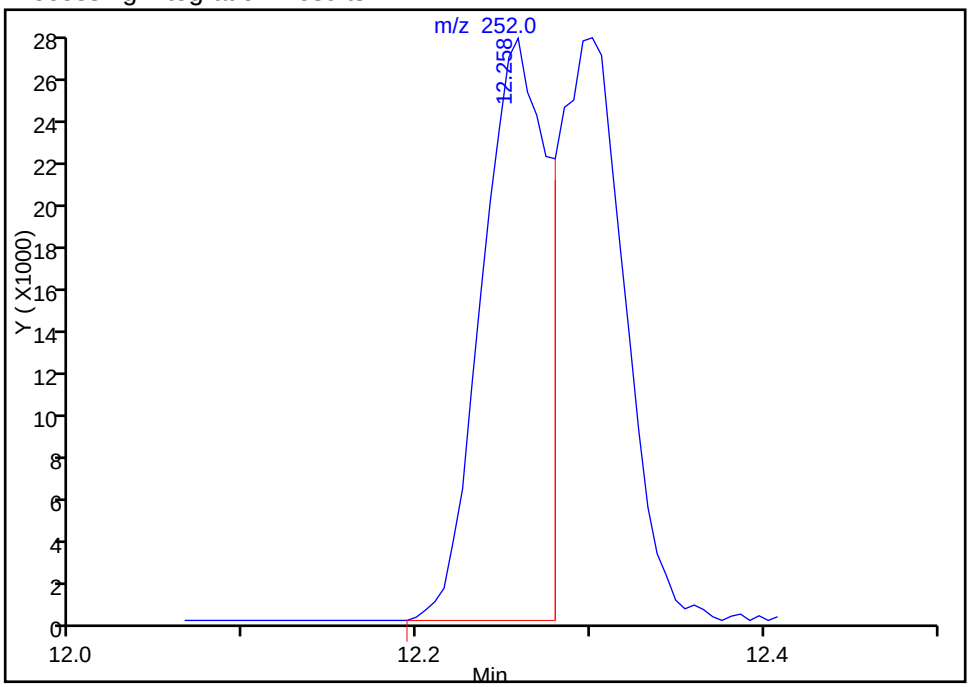
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2006.D				
Injection Date:	20-Jun-2014 11:46:30	Instrument ID:	CMSY		
Lims ID:	IC				
Client ID:					
Operator ID:	RM	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

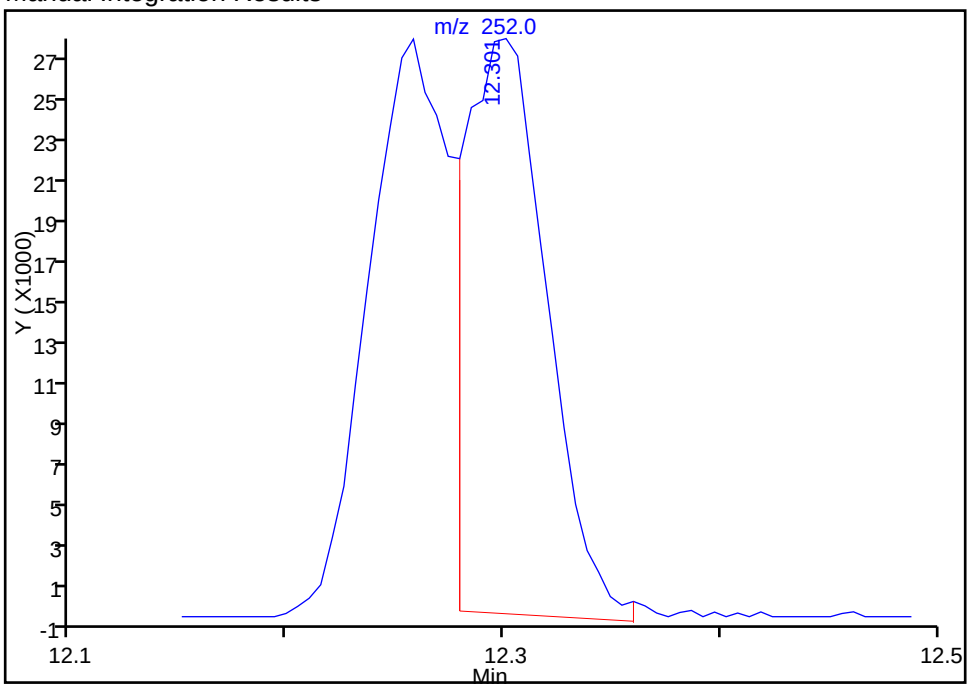
Processing Integration Results

RT: 12.26
Response: 73572
Amount: 0.514837



Manual Integration Results

RT: 12.30
Response: 72739
Amount: 0.509857



Reviewer: moorer, 20-Jun-2014 16:28:47
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2007.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Jun-2014 12:10:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0010283-007 =680-0010283-007
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 14:41:09 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 13:32:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.743	4.743	0.000	99	522159	2.00	2.00	
* 2 Acenaphthene-d10	164	6.428	6.433	-0.005	92	280188	2.00	2.00	
* 3 Phenanthrene-d10	188	7.856	7.856	0.000	99	349553	2.00	2.00	
* 4 Chrysene-d12	240	10.654	10.654	0.000	99	282043	2.00	2.00	
* 5 Perylene-d12	264	12.991	12.991	0.000	97	261742	2.00	2.00	
$ 6 o-Terphenyl	230	8.204	8.204	0.000	90	39818	0.2000	0.2086	
7 Naphthalene	128	4.765	4.765	0.000	99	59212	0.2000	0.2044	
9 1-Methylnaphthalene	142	5.524	5.428	0.096	88	36167	0.2000	0.2056	
8 2-Methylnaphthalene	142	5.428	5.524	-0.096	84	35420	0.2000	0.2016	
11 Acenaphthylene	152	6.300	6.300	0.000	96	53778	0.2000	0.2091	
12 Acenaphthene	153	6.460	6.466	-0.006	86	35533	0.2000	0.2100	
14 Fluorene	166	6.952	6.952	0.000	96	35815	0.2000	0.2131	
15 Phenanthrene	178	7.883	7.883	0.000	94	43026	0.2000	0.2094	
16 Anthracene	178	7.931	7.931	0.000	94	40214	0.2000	0.2035	
17 Fluoranthene	202	9.060	9.060	0.000	97	43825	0.2000	0.2069	
18 Pyrene	202	9.295	9.295	0.000	97	46720	0.2000	0.2139	
19 Benzo[a]anthracene	228	10.638	10.643	-0.005	88	34965	0.2000	0.2077	
20 Chrysene	228	10.686	10.691	-0.005	95	34328	0.2000	0.2069	
21 Benzo[b]fluoranthene	252	12.258	12.263	-0.005	85	32226	0.2000	0.2006	
22 Benzo[k]fluoranthene	252	12.301	12.306	-0.005	1	32342	0.2000	0.2089	
23 Benzo[a]pyrene	252	12.879	12.884	-0.005	91	25721	0.2000	0.1987	
24 Indeno[1,2,3-cd]pyrene	276	15.548	15.574	-0.026	81	24963	0.2000	0.1988	
25 Dibenz(a,h)anthracene	278	15.590	15.596	-0.006	78	19465	0.2000	0.1917	
26 Benzo[g,h,i]perylene	276	16.361	16.371	-0.010	74	22478	0.2000	0.2028	

Report Date: 20-Jun-2014 14:41:09 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2007.D

Injection Date: 20-Jun-2014 12:10:30 Instrument ID: CMSY Operator ID: RM

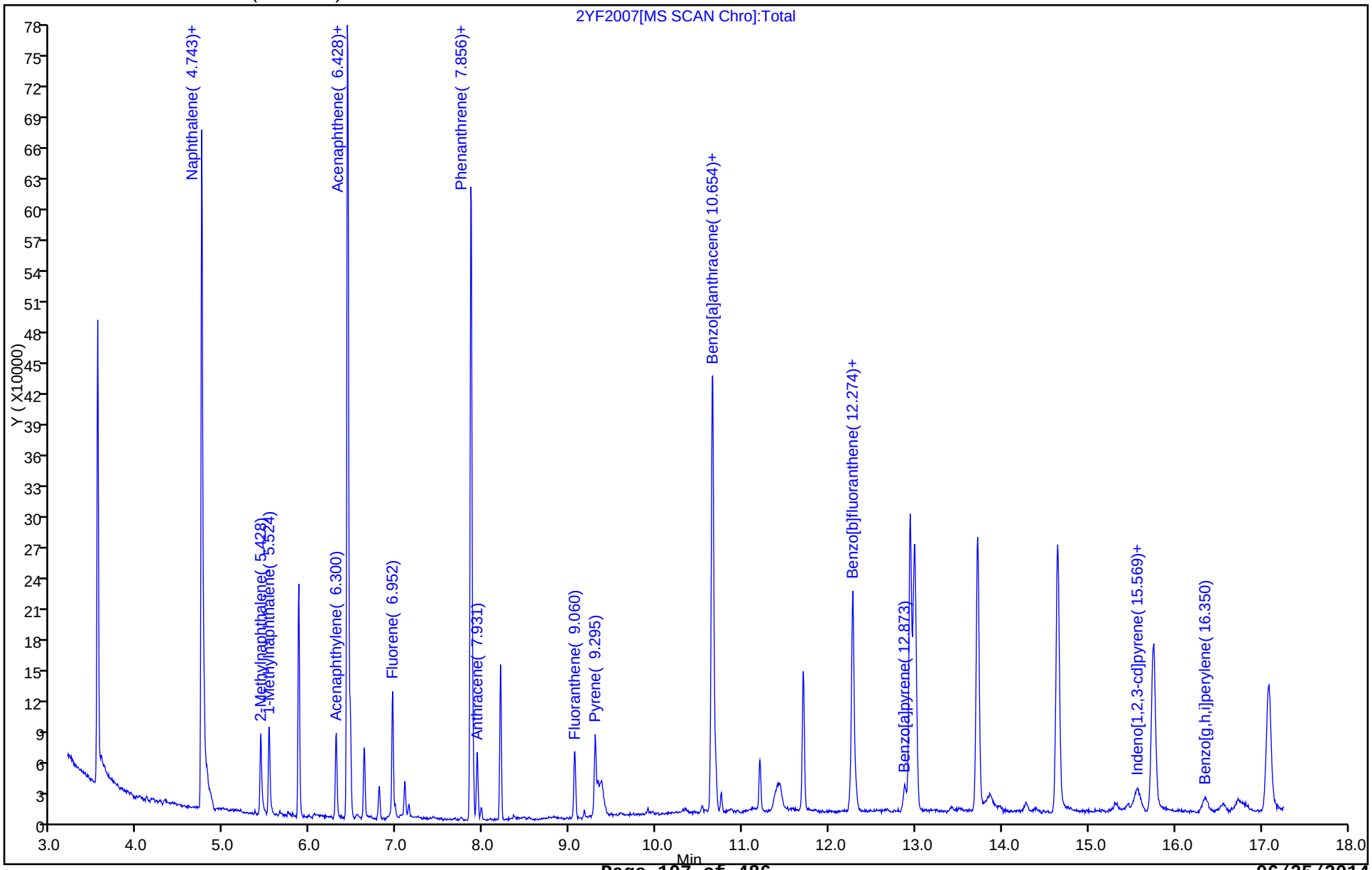
Lims ID: IC Worklist Smp#: 7

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\20140620-10283.b\2YF2008.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Jun-2014 12:33:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0010283-008 =680-0010283-008
Operator ID: RM Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 14:41:10 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 13:37:50

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	4.743	4.743	0.000	99	523980	2.00	2.00	
* 2 Acenaphthene-d10	164	6.433	6.433	0.000	93	285302	2.00	2.00	
* 3 Phenanthrene-d10	188	7.856	7.856	0.000	99	374907	2.00	2.00	
* 4 Chrysene-d12	240	10.653	10.654	-0.001	99	303296	2.00	2.00	
* 5 Perylene-d12	264	12.991	12.991	0.000	97	279482	2.00	2.00	
$ 6 o-Terphenyl	230	8.198	8.204	-0.006	89	19794	0.1000	0.0964	
7 Naphthalene	128	4.765	4.765	0.000	96	27771	0.1000	0.0955	
9 1-Methylnaphthalene	142	5.524	5.428	0.096	81	16075	0.1000	0.0910	
8 2-Methylnaphthalene	142	5.428	5.524	-0.096	80	16050	0.1000	0.0910	
11 Acenaphthylene	152	6.300	6.300	0.000	87	23834	0.1000	0.0910	
12 Acenaphthene	153	6.465	6.466	-0.001	61	16563	0.1000	0.0961	
14 Fluorene	166	6.952	6.952	0.000	83	16345	0.1000	0.0955	
15 Phenanthrene	178	7.883	7.883	0.000	84	21151	0.1000	0.0960	
16 Anthracene	178	7.931	7.931	0.000	89	19989	0.1000	0.0943	
17 Fluoranthene	202	9.060	9.060	0.000	95	21947	0.1000	0.0966	
18 Pyrene	202	9.295	9.295	0.000	94	23743	0.1000	0.1011	
19 Benzo[a]anthracene	228	10.643	10.643	0.000	82	21489	0.1000	0.1187	
20 Chrysene	228	10.686	10.691	-0.005	90	21987	0.1000	0.1232	
21 Benzo[b]fluoranthene	252	12.258	12.263	-0.005	89	17542	0.1000	0.1023	
22 Benzo[k]fluoranthene	252	12.301	12.306	-0.005	87	16684	0.1000	0.1009	M
23 Benzo[a]pyrene	252	12.878	12.884	-0.006	79	13008	0.1000	0.0941	
24 Indeno[1,2,3-cd]pyrene	276	15.553	15.574	-0.021	74	13088	0.1000	0.0969	
25 Dibenz(a,h)anthracene	278	15.590	15.596	-0.006	69	10191	0.1000	0.0940	
26 Benzo[g,h,i]perylene	276	16.350	16.371	-0.021	55	11316	0.1000	0.0956	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 20-Jun-2014 14:41:10 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Injection Date: 20-Jun-2014 12:33:30 Instrument ID: CMSY Operator ID: RM

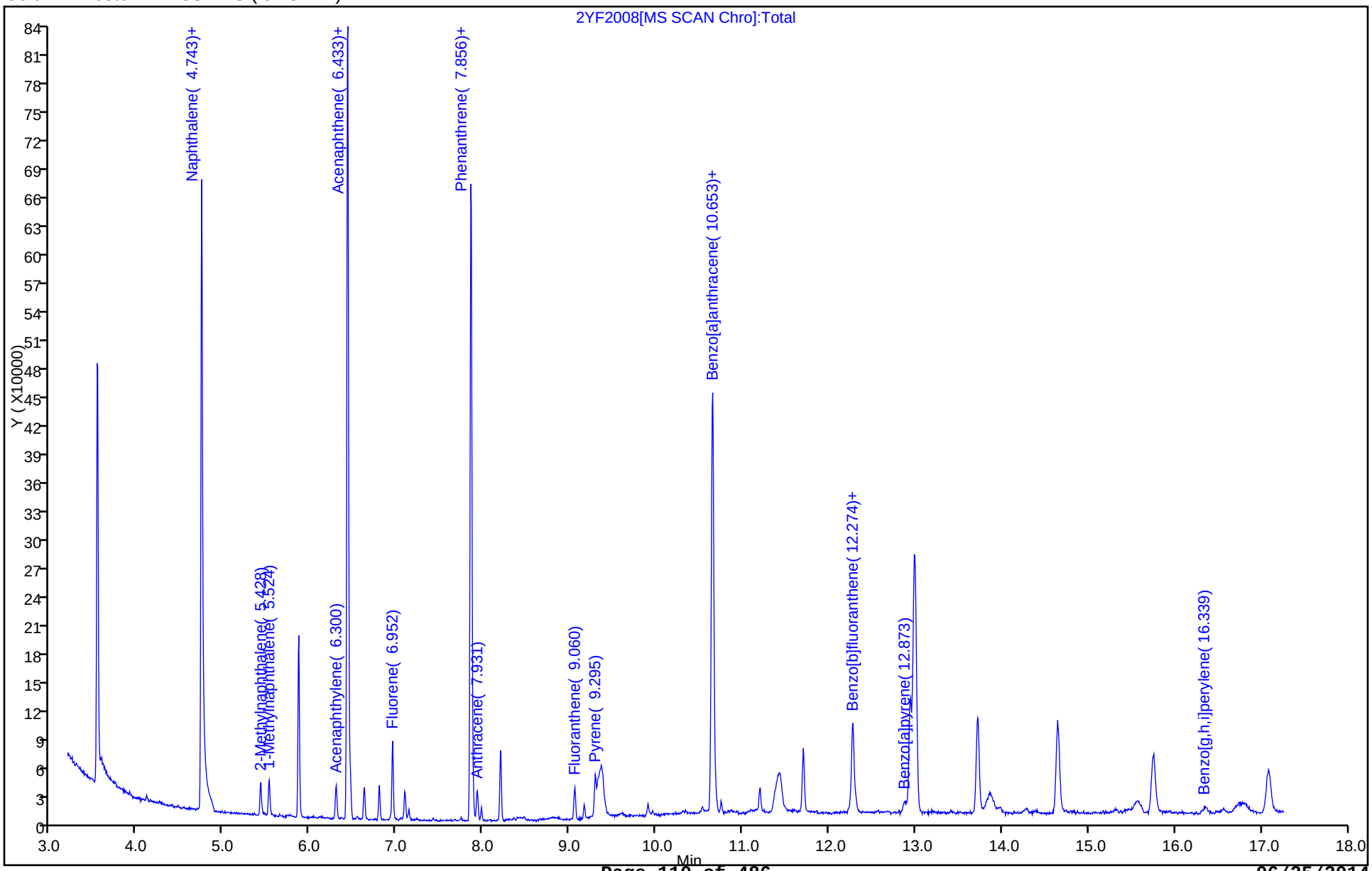
Lims ID: IC Worklist Smp#: 8

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)



Manual Integration/User Assign Peak Report

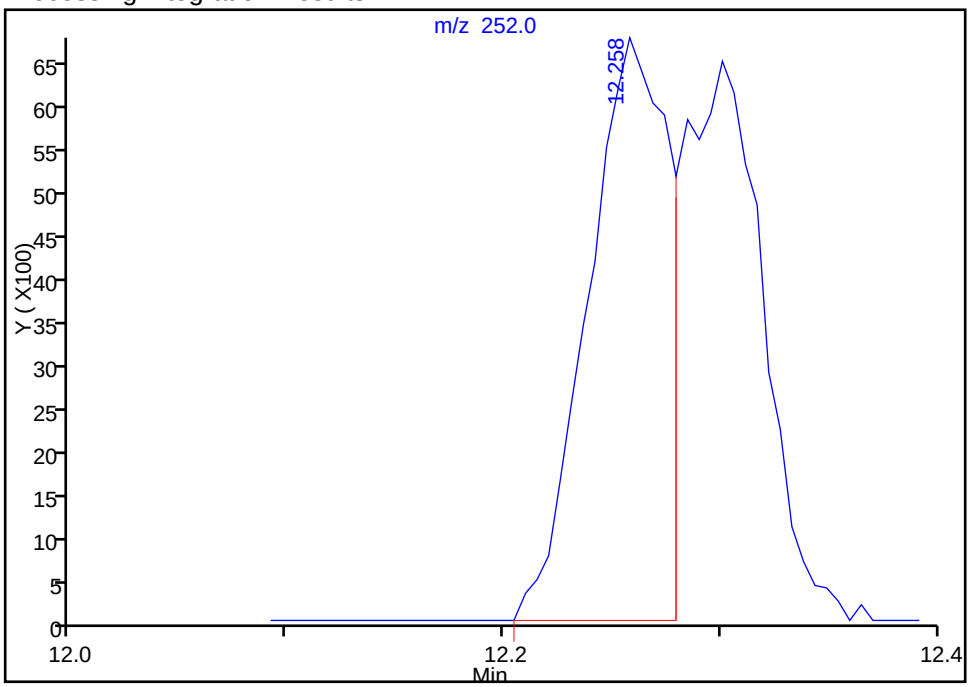
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D				
Injection Date:	20-Jun-2014 12:33:30	Instrument ID:	CMSY		
Lims ID:	IC				
Client ID:					
Operator ID:	RM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

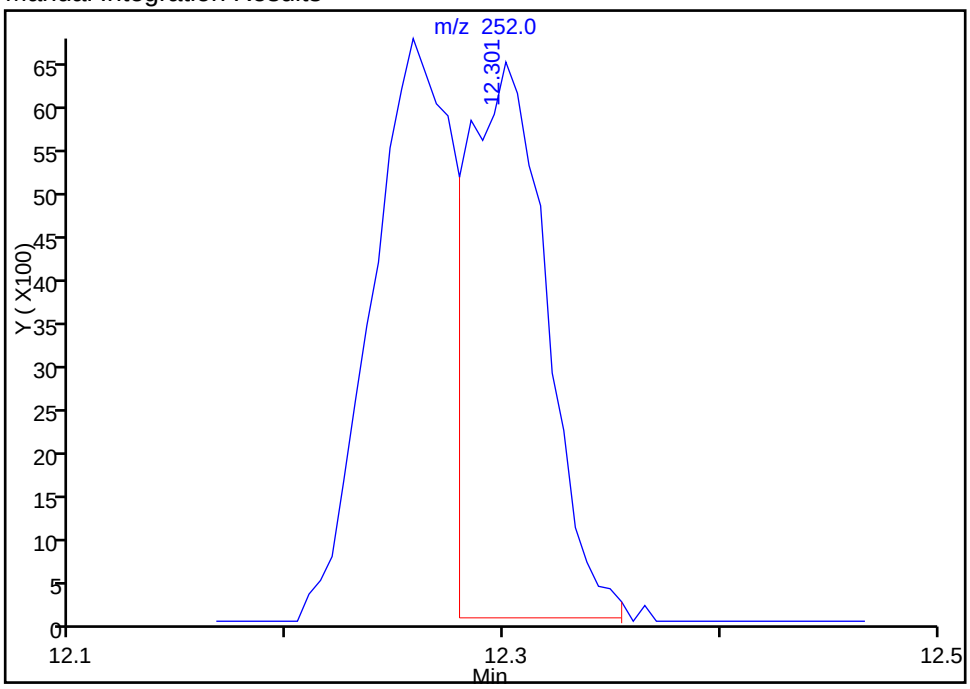
Processing Integration Results

RT: 12.26
Response: 17542
Amount: 0.105327



Manual Integration Results

RT: 12.30
Response: 16684
Amount: 0.100918



Reviewer: moorer, 20-Jun-2014 13:37:50
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Lab Sample ID: ICV 680-335312/9 Calibration Date: 06/20/2014 12:56

Instrument ID: CMSY Calib Start Date: 04/21/2014 10:36

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 04/21/2014 13:16

Lab File ID: 2YF2009.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	QuaF				0.200	5.00	-100.*0	30.0
Dibenzofuran	QuaF				0.200	5.00	-100.*0	30.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2009.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 20-Jun-2014 12:56:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 680-0010283-009 =680-0010283-009
Operator ID: RM Instrument ID: CMSY
Sublist:

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 14:41:10 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 13:54:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.743	4.743	0.000	100	549902	2.00	2.00	
* 2 Acenaphthene-d10	164	6.434	6.433	0.001	92	273791	2.00	2.00	
* 3 Phenanthrene-d10	188	7.862	7.856	0.006	99	368323	2.00	2.00	
* 4 Chrysene-d12	240	10.659	10.654	0.005	99	323502	2.00	2.00	
* 5 Perylene-d12	264	12.996	12.991	0.005	96	307609	2.00	2.00	
$ 6 o-Terphenyl	230	8.204	8.204	0.000	88	612239	5.00	2.80	
7 Naphthalene	128	4.765	4.765	0.000	99	1502125	5.00	4.92	
9 1-Methylnaphthalene	142	5.524	5.428	0.096	89	816086	5.00	4.40	
8 2-Methylnaphthalene	142	5.428	5.524	-0.096	82	843541	5.00	4.56	
11 Acenaphthylene	152	6.300	6.300	0.000	96	1300552	5.00	5.18	
12 Acenaphthene	153	6.466	6.466	0.000	94	825768	5.00	5.00	
14 Fluorene	166	6.952	6.952	0.000	85	849145	5.00	5.17	
15 Phenanthrene	178	7.883	7.883	0.000	98	1107961	5.00	5.12	
16 Anthracene	178	7.931	7.931	0.000	97	1069066	5.00	5.13	
17 Fluoranthene	202	9.060	9.060	0.000	98	1140858	5.00	5.11	
18 Pyrene	202	9.300	9.295	0.005	97	1206983	5.00	4.82	
19 Benzo[a]anthracene	228	10.643	10.643	0.000	100	859235	5.00	4.45	
20 Chrysene	228	10.691	10.691	0.000	95	826438	5.00	4.34	
21 Benzo[b]fluoranthene	252	12.264	12.263	0.001	98	899620	5.00	4.77	
22 Benzo[k]fluoranthene	252	12.312	12.306	0.006	99	844178	5.00	4.64	
23 Benzo[a]pyrene	252	12.889	12.884	0.005	96	832905	5.00	5.48	
24 Indeno[1,2,3-cd]pyrene	276	15.574	15.574	0.000	95	834660	5.00	5.80	
25 Dibenz(a,h)anthracene	278	15.601	15.596	0.005	83	656090	5.00	5.50	
26 Benzo[g,h,i]perylene	276	16.371	16.371	0.000	92	753229	5.00	5.78	

Report Date: 20-Jun-2014 14:41:12 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2009.D

Injection Date: 20-Jun-2014 12:56:30 Instrument ID: CMSY Operator ID: RM

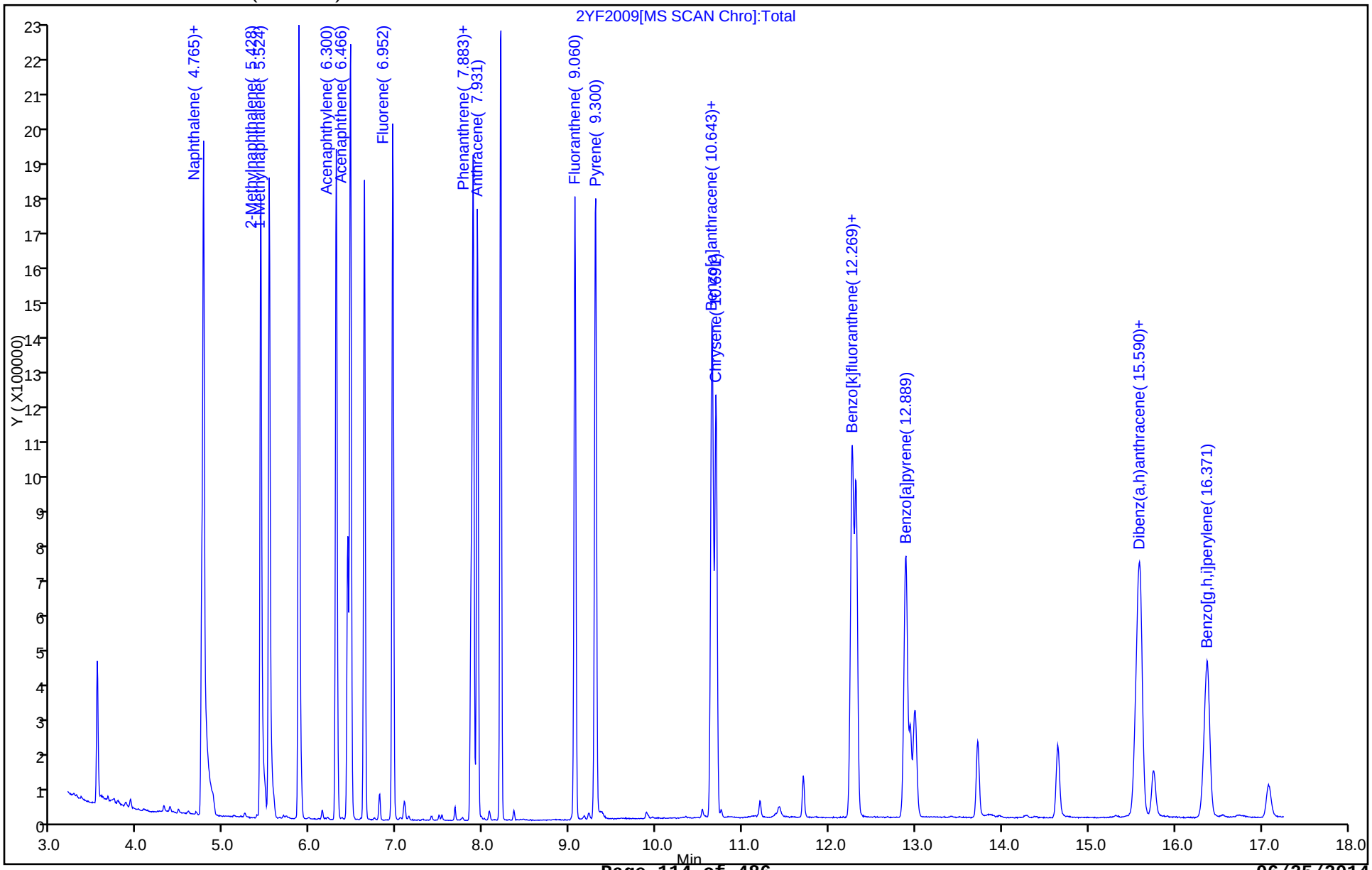
Lims ID: ICV Worklist Smp#: 9

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.: 680-102328-1

SDG No.: 680-102328-01

Lab Sample ID: ICV 680-335312/9 Calibration Date: 06/20/2014 12:56

Instrument ID: CMSY Calib Start Date: 06/20/2014 10:14

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 06/20/2014 12:33

Lab File ID: 2YF2009.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.110	1.093	0.7000	4.92	5.00	-1.5	30.0
2-Methylnaphthalene	Ave	0.6685	0.6136	0.4000	4.56	5.00	-8.2	30.0
1-Methylnaphthalene	Ave	0.6798	0.5936		4.40	5.00	-12.7	30.0
Acenaphthylene	Ave	1.835	1.900	0.9000	5.18	5.00	3.5	30.0
Acenaphthene	Ave	1.208	1.206	0.9000	5.00	5.00	-0.1	30.0
Fluorene	Ave	1.200	1.241	0.9000	5.17	5.00	3.4	30.0
Phenanthrene	Ave	1.176	1.203	0.7000	5.12	5.00	2.3	30.0
Anthracene	Ave	1.131	1.161	0.7000	5.13	5.00	2.7	30.0
Fluoranthene	Ave	1.212	1.239	0.6000	5.11	5.00	2.2	30.0
Pyrene	Ave	1.549	1.492	0.6000	4.82	5.00	-3.7	30.0
Benzo[a]anthracene	Ave	1.194	1.062	0.7000	4.45	5.00	-11.0	30.0
Chrysene	Ave	1.177	1.022	0.7000	4.34	5.00	-13.2	30.0
Benzo[b]fluoranthene	Ave	1.227	1.170	0.4000	4.77	5.00	-4.7	30.0
Benzo[k]fluoranthene	Ave	1.142	1.098	0.4000	4.64	5.00	-3.9	30.0
Benzo[a]pyrene	Ave	0.9889	1.083	0.4000	5.48	5.00	9.5	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.8830	1.032	0.2000	5.80	5.00	16.9	30.0
Dibenz(a,h)anthracene	Ave	0.7788	0.8532	0.2000	5.50	5.00	9.5	30.0
Benzo[g,h,i]perylene	Ave	0.8524	0.9795	0.2000	5.78	5.00	14.9	30.0
o-Terphenyl	Ave	1.354	0.7570		2.80	5.00	-44.1*	30.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2009.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 20-Jun-2014 12:56:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 680-0010283-009 =680-0010283-009
Operator ID: RM Instrument ID: CMSY
Sublist:

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 14:41:10 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 13:54:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.743	4.743	0.000	100	549902	2.00	2.00	
* 2 Acenaphthene-d10	164	6.434	6.433	0.001	92	273791	2.00	2.00	
* 3 Phenanthrene-d10	188	7.862	7.856	0.006	99	368323	2.00	2.00	
* 4 Chrysene-d12	240	10.659	10.654	0.005	99	323502	2.00	2.00	
* 5 Perylene-d12	264	12.996	12.991	0.005	96	307609	2.00	2.00	
$ 6 o-Terphenyl	230	8.204	8.204	0.000	88	612239	5.00	2.80	
7 Naphthalene	128	4.765	4.765	0.000	99	1502125	5.00	4.92	
9 1-Methylnaphthalene	142	5.524	5.428	0.096	89	816086	5.00	4.40	
8 2-Methylnaphthalene	142	5.428	5.524	-0.096	82	843541	5.00	4.56	
11 Acenaphthylene	152	6.300	6.300	0.000	96	1300552	5.00	5.18	
12 Acenaphthene	153	6.466	6.466	0.000	94	825768	5.00	5.00	
14 Fluorene	166	6.952	6.952	0.000	85	849145	5.00	5.17	
15 Phenanthrene	178	7.883	7.883	0.000	98	1107961	5.00	5.12	
16 Anthracene	178	7.931	7.931	0.000	97	1069066	5.00	5.13	
17 Fluoranthene	202	9.060	9.060	0.000	98	1140858	5.00	5.11	
18 Pyrene	202	9.300	9.295	0.005	97	1206983	5.00	4.82	
19 Benzo[a]anthracene	228	10.643	10.643	0.000	100	859235	5.00	4.45	
20 Chrysene	228	10.691	10.691	0.000	95	826438	5.00	4.34	
21 Benzo[b]fluoranthene	252	12.264	12.263	0.001	98	899620	5.00	4.77	
22 Benzo[k]fluoranthene	252	12.312	12.306	0.006	99	844178	5.00	4.64	
23 Benzo[a]pyrene	252	12.889	12.884	0.005	96	832905	5.00	5.48	
24 Indeno[1,2,3-cd]pyrene	276	15.574	15.574	0.000	95	834660	5.00	5.80	
25 Dibenz(a,h)anthracene	278	15.601	15.596	0.005	83	656090	5.00	5.50	
26 Benzo[g,h,i]perylene	276	16.371	16.371	0.000	92	753229	5.00	5.78	

Report Date: 20-Jun-2014 14:41:12 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2009.D

Injection Date: 20-Jun-2014 12:56:30 Instrument ID: CMSY Operator ID: RM

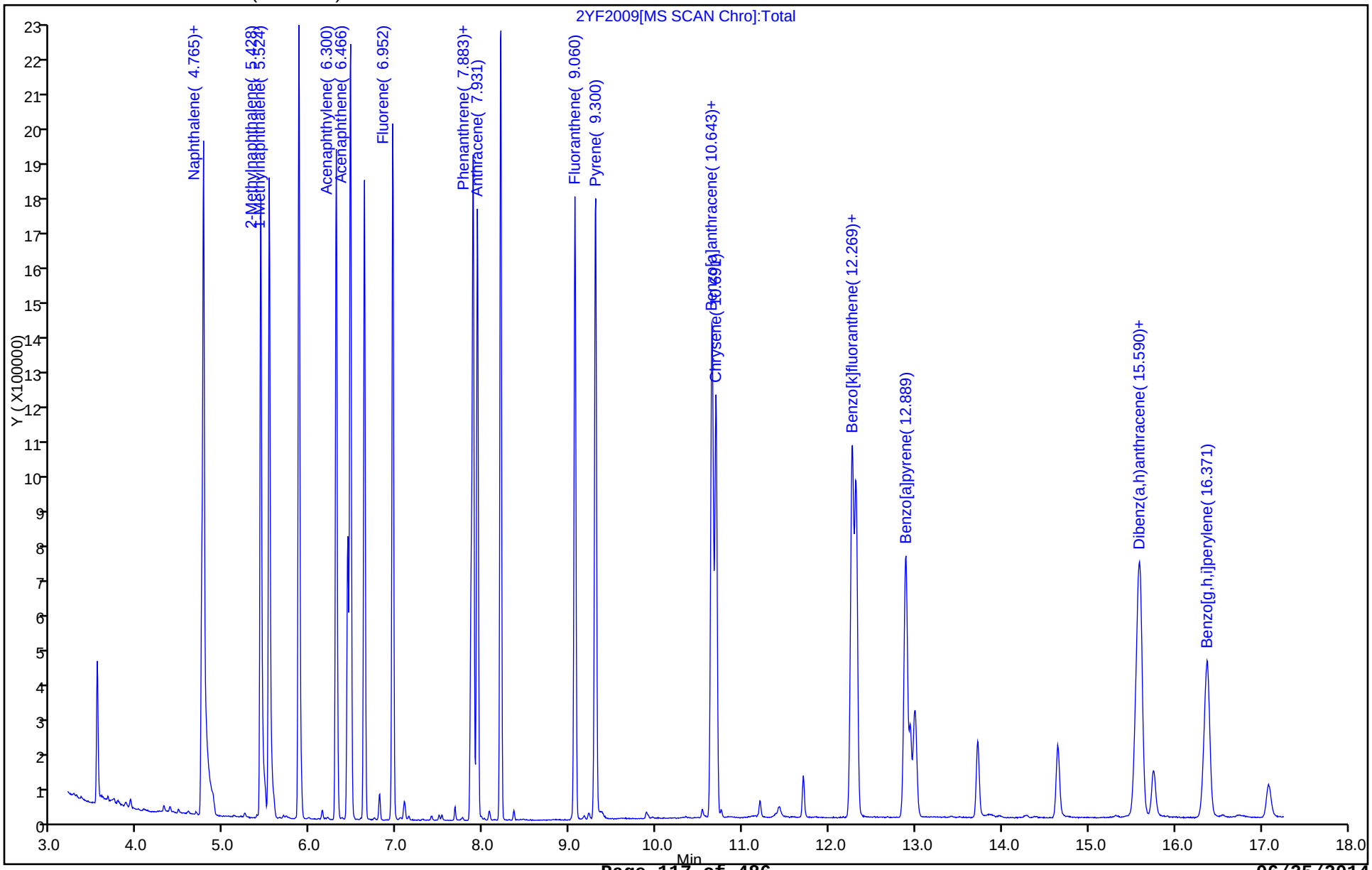
Lims ID: ICV Worklist Smp#: 9

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)



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2001.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 20-Jun-2014 09:57:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 680-0010283-001 =680-0010283-001
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 14:41:00 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 10:20:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 DFTPP									
29 4,4'-DDD	235	7.851	7.851	0.000	43	4969		NR	7
30 4,4'-DDT	235	8.156	8.156	0.000	97	183792	NR	NR	7

QC Flag Legend

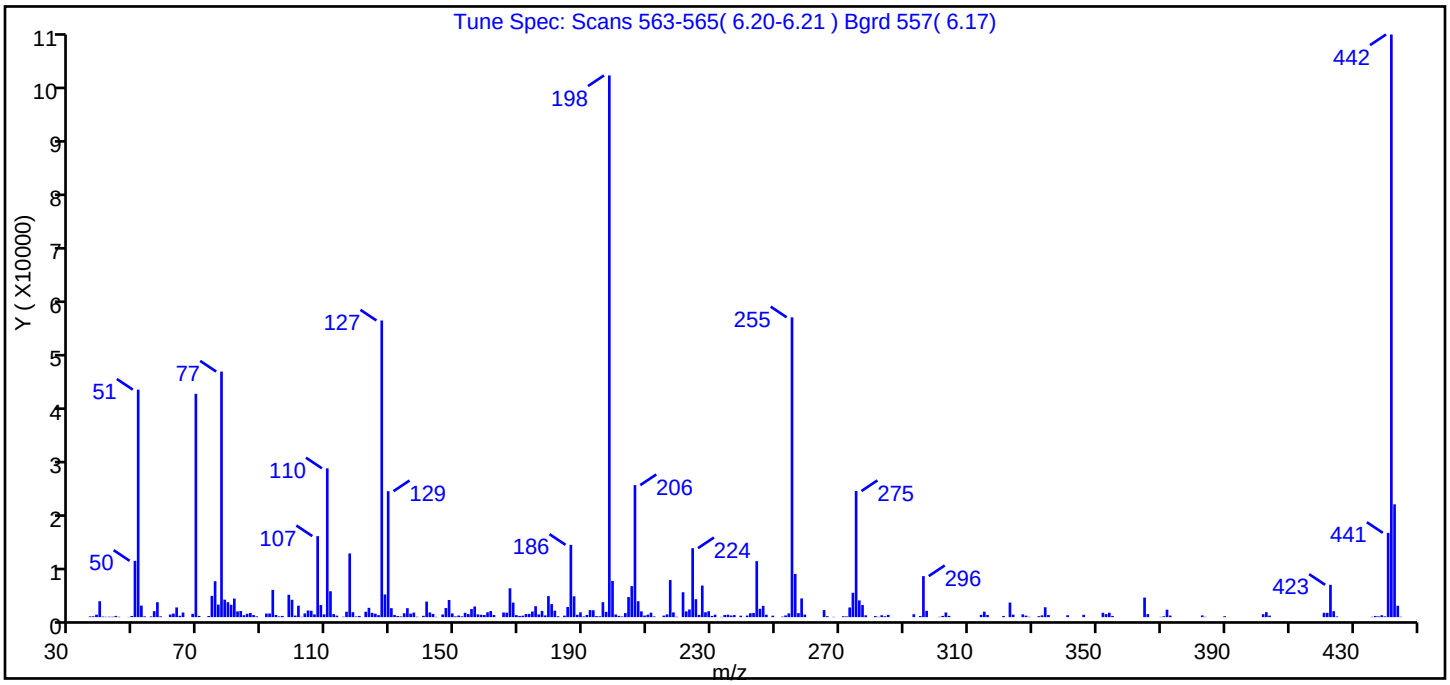
Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2001.D
Injection Date: 20-Jun-2014 09:57:30 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	39.00
68	Less than 2.00% of mass 69	0.60 (1.50)
69	Present	38.30
70	Less than 2.00% of mass 69	0.20 (0.50)
127	10.00 - 80.00% of mass 442	50.90
197	Less than 2.00% of mass 198	0.90 (1.00)
198	Greater than 50.00% of mass 442	93.00
199	5.00 - 9.00% of mass 198	6.20 (6.70)
275	10.00 - 60.00% of mass 442	21.60
365	Greater than 1.00% of mass 442	3.40
441	Present, but less than mass 443	14.50 (74.70)
443	15.00 - 24.00% of mass 442	19.40

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2001.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 20-Jun-2014 09:57:30
Spectrum: Tune Spec: Scans 563-565(6.20-6.21) Bgrd 557(6.17)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 266

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	130	116.00	932	189.00	841	273.00	1677
37.00	143	117.00	11037	190.00	123	274.00	4222
38.00	422	118.00	861	191.00	377	275.00	21848
39.00	2754	119.00	108	192.00	1228	276.00	2902
40.00	100	120.00	209	193.00	1190	277.00	2100
41.00	62	122.00	940	194.00	181	278.00	317
42.00	77	123.00	1614	195.00	144	281.00	209
43.00	72	124.00	742	196.00	2592	282.00	53
44.00	217	125.00	591	197.00	920	283.00	325
45.00	66	126.00	347	198.00	93864	284.00	153
48.00	37	127.00	51400	199.00	6278	285.00	399
49.00	206	128.00	3931	200.00	464	293.00	501
50.00	9756	129.00	21824	201.00	224	295.00	183
51.00	39416	130.00	1556	202.00	115	296.00	7109
52.00	1997	131.00	381	203.00	703	297.00	1093
53.00	137	132.00	197	204.00	3477	301.00	58
55.00	124	133.00	120	205.00	5374	302.00	214
56.00	1039	134.00	673	206.00	22880	303.00	806
57.00	2592	135.00	1551	207.00	2752	304.00	225
58.00	133	136.00	602	208.00	1002	314.00	406
61.00	458	137.00	786	209.00	271	315.00	948
62.00	617	138.00	74	210.00	422	316.00	387
63.00	1678	140.00	231	211.00	772	321.00	209
64.00	237	141.00	2696	212.00	123	323.00	2522
65.00	800	142.00	819	215.00	262	324.00	431
68.00	571	143.00	558	216.00	475	327.00	483
69.00	38696	144.00	51	217.00	6427	328.00	261
70.00	212	146.00	461	218.00	824	329.00	60
73.00	199	147.00	1588	219.00	75	332.00	166
74.00	3691	148.00	2972	221.00	4315	333.00	310
75.00	6225	149.00	647	222.00	999	334.00	1714
76.00	2175	150.00	136	223.00	1328	335.00	364
77.00	42552	151.00	278	224.00	11950	341.00	329

Report Date: 20-Jun-2014 14:41:00 Chrom Revision: 2.2 16-May-2014 10:46:48
Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2001.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 20-Jun-2014 09:57:30
Spectrum: Tune Spec: Scans 563-565(6.20-6.21) Bgrd 557(6.17)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 266

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	3026	152.00	146	225.00	3106	346.00	400
79.00	2592	153.00	753	226.00	391	352.00	762
80.00	2151	154.00	537	227.00	5471	353.00	522
81.00	3219	155.00	1402	228.00	845	354.00	763
82.00	998	156.00	1849	229.00	1028	355.00	212
83.00	1066	157.00	478	230.00	215	365.00	3393
84.00	339	158.00	416	231.00	428	366.00	528
85.00	586	159.00	365	233.00	52	370.00	50
86.00	720	160.00	837	234.00	381	371.00	150
87.00	366	161.00	1055	235.00	425	372.00	1297
88.00	135	162.00	364	236.00	282	373.00	274
91.00	620	165.00	806	237.00	356	383.00	301
92.00	638	166.00	769	239.00	248	384.00	56
93.00	4722	167.00	4999	241.00	278	390.00	167
94.00	377	168.00	2517	242.00	678	402.00	512
95.00	127	169.00	353	243.00	722	403.00	862
96.00	213	170.00	213	244.00	9705	404.00	263
98.00	3874	171.00	255	245.00	1448	421.00	758
99.00	3008	172.00	533	246.00	1960	422.00	750
100.00	268	173.00	560	247.00	418	423.00	5601
101.00	1988	174.00	970	249.00	254	424.00	1028
102.00	59	175.00	1896	252.00	88	425.00	121
103.00	643	176.00	467	253.00	296	436.00	65
104.00	1149	177.00	1085	254.00	655	437.00	206
105.00	1111	178.00	302	255.00	51952	438.00	136
106.00	473	179.00	3645	256.00	7492	439.00	324
107.00	14035	180.00	2262	257.00	697	440.00	128
108.00	2096	181.00	1119	258.00	3244	441.00	14605
109.00	480	182.00	153	259.00	445	442.00	100960
110.00	25784	184.00	257	265.00	1223	443.00	19544
111.00	4486	185.00	1763	266.00	166	444.00	1975
112.00	525	186.00	12527	268.00	52	445.00	60
113.00	257	187.00	3611	271.00	159		
115.00	76	188.00	411	272.00	128		

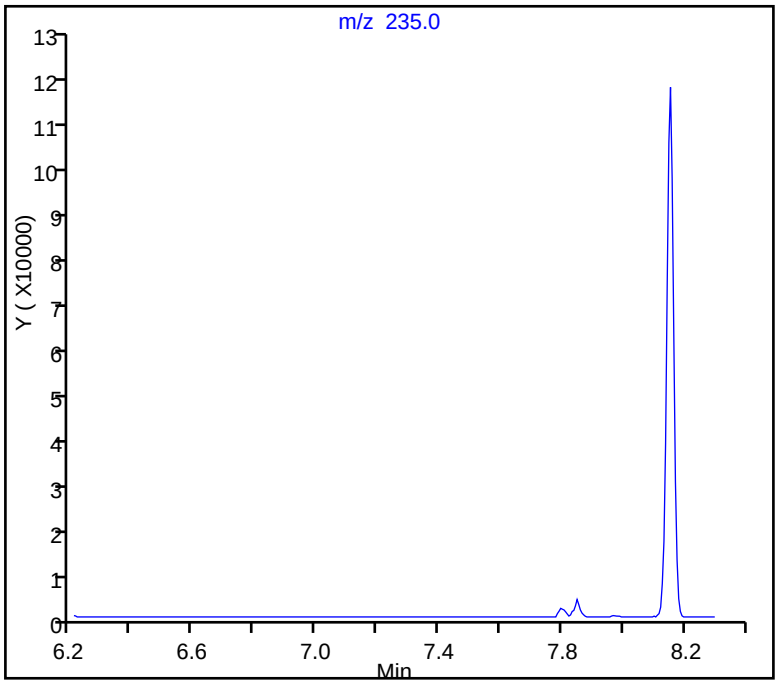
m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	3026	152.00	146	225.00	3106	346.00	400
79.00	2592	153.00	753	226.00	391	352.00	762
80.00	2151	154.00	537	227.00	5471	353.00	522
81.00	3219	155.00	1402	228.00	845	354.00	763
82.00	998	156.00	1849	229.00	1028	355.00	212
83.00	1066	157.00	478	230.00	215	365.00	3393
84.00	339	158.00	416	231.00	428	366.00	528
85.00	586	159.00	365	233.00	52	370.00	50
86.00	720	160.00	837	234.00	381	371.00	150
87.00	366	161.00	1055	235.00	425	372.00	1297
88.00	135	162.00	364	236.00	282	373.00	274
91.00	620	165.00	806	237.00	356	383.00	301
92.00	638	166.00	769	239.00	248	384.00	56
93.00	4722	167.00	4999	241.00	278	390.00	167
94.00	377	168.00	2517	242.00	678	402.00	512
95.00	127	169.00	353	243.00	722	403.00	862
96.00	213	170.00	213	244.00	9705	404.00	263
98.00	3874	171.00	255	245.00	1448	421.00	758
99.00	3008	172.00	533	246.00	1960	422.00	750
100.00	268	173.00	560	247.00	418	423.00	5601
101.00	1988	174.00	970	249.00	254	424.00	1028
102.00	59	175.00	1896	252.00	88	425.00	121
103.00	643	176.00	467	253.00	296	436.00	65
104.00	1149	177.00	1085	254.00	655	437.00	206
105.00	1111	178.00	302	255.00	51952	438.00	136
106.00	473	179.00	3645	256.00	7492	439.00	324
107.00	14035	180.00	2262	257.00	697	440.00	128
108.00	2096	181.00	1119	258.00	3244	441.00	14605
109.00	480	182.00	153	259.00	445	442.00	100960
110.00	25784	184.00	257	265.00	1223	443.00	19544
111.00	4486	185.00	1763	266.00	166	444.00	1975
112.00	525	186.00	12527	268.00	52	445.00	60
113.00	257	187.00	3611	271.00	159		
115.00	76	188.00	411	272.00	128		

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2001.D				
Injection Date:	20-Jun-2014 09:57:30	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 = 183792
29 4,4'-DDD, Area = 4969
28 4,4'-DDE, Area = 0

%Breakdown: 2.63%, Max Limit: 20.00%
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-102328-1
SDG No.: 680-102328-01
Client Sample ID:
Lab Sample ID: MB 680-335093/6-A
Matrix: Solid
Lab File ID: 2YF2021.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 06/19/2014 11:14
Sample wt/vol: 30.01(g)
Date Analyzed: 06/20/2014 17:35
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.: 335312
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	50		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2021.D
Lims ID: MB 680-335093/6-A
Client ID:
Sample Type: MB
Inject. Date: 20-Jun-2014 17:35:30 ALS Bottle#: 15 Worklist Smp#: 21
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: MB-335093/6-A
Misc. Info.: 680-0010283-021 =680-0010283-021
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 20:21:02 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 20:21:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.743	4.743	0.000	99	625757	2.00	2.00	
* 2 Acenaphthene-d10	164	6.433	6.433	0.000	92	337500	2.00	2.00	
* 3 Phenanthrene-d10	188	7.862	7.856	0.006	99	464279	2.00	2.00	
* 4 Chrysene-d12	240	10.659	10.654	0.005	99	381619	2.00	2.00	
* 5 Perylene-d12	264	13.007	12.991	0.016	97	283070	2.00	2.00	
$ 6 o-Terphenyl	230	8.204	8.204	0.000	88	258146	2.00	1.00	
13 Dibenzofuran	168	5.770	5.717	0.053	21	23196		NC	
20 Chrysene	228	10.696	10.691	0.005	78	13883		0.0618	

QC Flag Legend

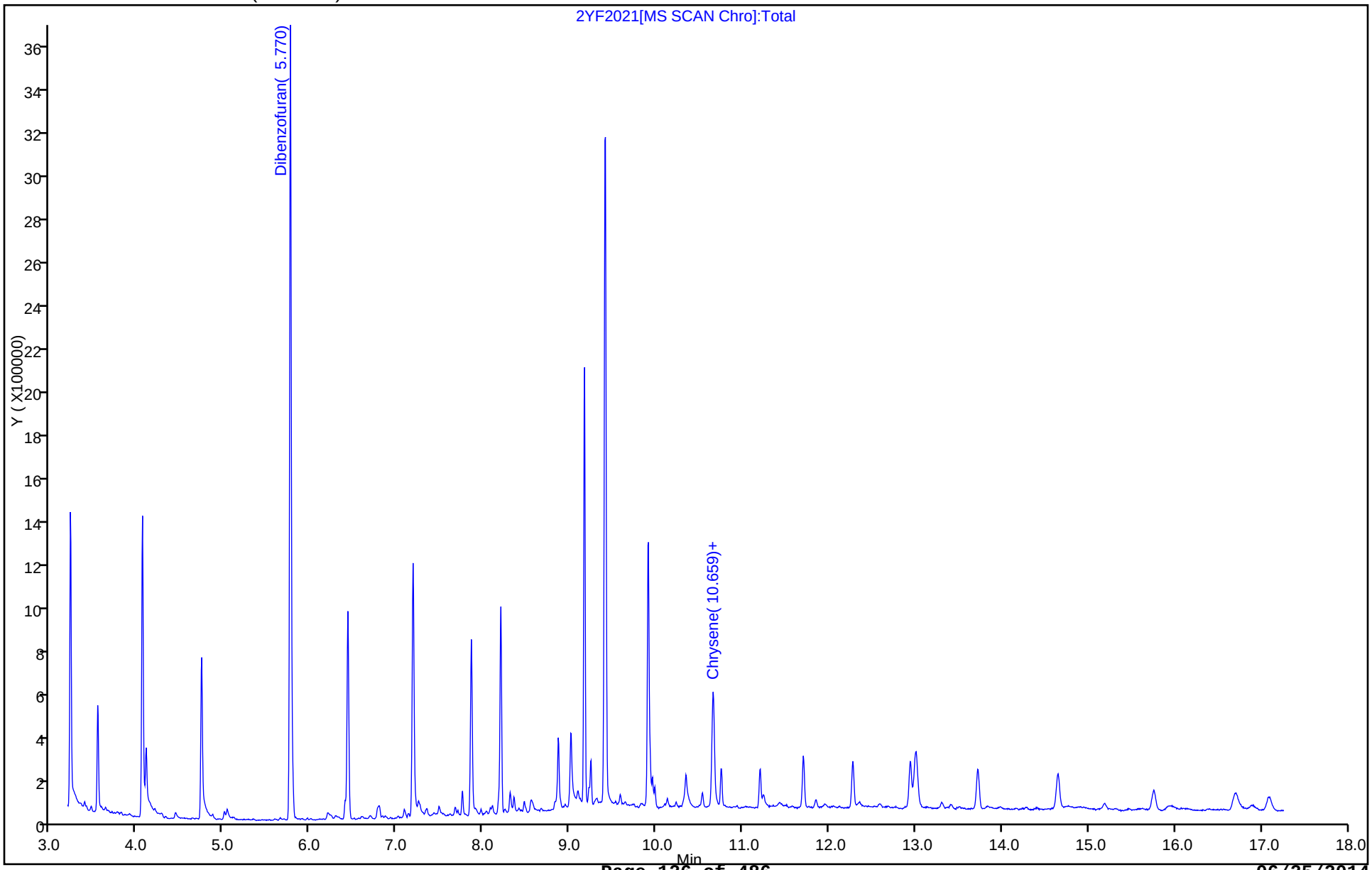
Processing Flags
NC - Not Calibrated

Report Date: 20-Jun-2014 20:21:02 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2021.D				
Injection Date:	20-Jun-2014 17:35:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	MB 680-335093/6-A			Worklist Smp#:	21
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
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.: 680-102328-1
SDG No.: 680-102328-01
Client Sample ID:
Lab Sample ID: LCS 680-335093/7-A
Matrix: Solid
Lab File ID: 2YF2022.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 06/19/2014 11:14
Sample wt/vol: 30.01(g)
Date Analyzed: 06/20/2014 17:58
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.: 335312
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	192		6.7	3.3
208-96-8	Acenaphthylene	191		6.7	3.3
120-12-7	Anthracene	211		6.7	3.3
56-55-3	Benzo[a]anthracene	207		6.7	3.3
50-32-8	Benzo[a]pyrene	250		6.7	1.2
205-99-2	Benzo[b]fluoranthene	234		6.7	3.3
191-24-2	Benzo[g,h,i]perylene	216		6.7	3.3
207-08-9	Benzo[k]fluoranthene	249		6.7	2.0
218-01-9	Chrysene	209		6.7	3.3
53-70-3	Dibenz(a,h)anthracene	241		6.7	3.3
206-44-0	Fluoranthene	204		6.7	3.3
86-73-7	Fluorene	208		6.7	3.3
193-39-5	Indeno[1,2,3-cd]pyrene	180		6.7	3.3
90-12-0	1-Methylnaphthalene	176		6.7	3.1
91-57-6	2-Methylnaphthalene	186		6.7	3.3
91-20-3	Naphthalene	177		6.7	3.3
85-01-8	Phenanthrene	203		6.7	2.4
129-00-0	Pyrene	210		6.7	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	41		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2022.D
Lims ID: LCS 680-335093/7-A
Client ID:
Sample Type: LCS
Inject. Date: 20-Jun-2014 17:58:30 ALS Bottle#: 16 Worklist Smp#: 22
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: LCS-335093/7-A
Misc. Info.: 680-0010283-022 =680-0010283-022
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 20:21:53 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 20:21:53

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	4.743	4.743	0.000	98	690544	2.00	2.00	
* 2 Acenaphthene-d10	164	6.439	6.433	0.006	83	371342	2.00	2.00	
* 3 Phenanthrene-d10	188	7.862	7.856	0.006	99	523239	2.00	2.00	
* 4 Chrysene-d12	240	10.664	10.654	0.010	98	408128	2.00	2.00	
* 5 Perylene-d12	264	13.002	12.991	0.011	96	292072	2.00	2.00	
$ 6 o-Terphenyl	230	8.204	8.204	0.000	89	227217	2.00	0.8226	
7 Naphthalene	128	4.765	4.765	0.000	99	2033959	10.0	5.31	
8 2-Methylnaphthalene	142	5.428	5.428	0.000	83	1289703	10.0	5.59	
9 1-Methylnaphthalene	142	5.524	5.524	0.000	90	1237703	10.0	5.27	
13 Dibenzofuran	168	5.770	5.717	0.053	21	22888	NC	NC	
11 Acenaphthylene	152	6.305	6.300	0.005	98	1957774	10.0	5.74	
12 Acenaphthene	153	6.466	6.466	0.000	94	1295067	10.0	5.78	
14 Fluorene	166	6.958	6.952	0.006	85	1393304	10.0	6.25	
15 Phenanthrene	178	7.888	7.883	0.005	98	1875981	10.0	6.10	
16 Anthracene	178	7.936	7.931	0.005	97	1870644	10.0	6.32	
17 Fluoranthene	202	9.065	9.060	0.005	98	1940785	10.0	6.12	
18 Pyrene	202	9.306	9.295	0.011	97	1994407	10.0	6.31	
19 Benzo[a]anthracene	228	10.648	10.643	0.005	99	1517161	10.0	6.23	
20 Chrysene	228	10.696	10.691	0.005	96	1509540	10.0	6.29	
21 Benzo[b]fluoranthene	252	12.274	12.263	0.011	98	1260948	10.0	7.04	
22 Benzo[k]fluoranthene	252	12.322	12.306	0.016	99	1247676	10.0	7.48	M
23 Benzo[a]pyrene	252	12.895	12.884	0.011	96	1084321	10.0	7.51	
24 Indeno[1,2,3-cd]pyrene	276	15.585	15.574	0.011	95	973177	10.0	5.40	
25 Dibenz(a,h)anthracene	278	15.612	15.596	0.016	89	823597	10.0	7.24	
26 Benzo[g,h,i]perylene	276	16.387	16.371	0.016	92	805173	10.0	6.47	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Review Flags
M - Manually Integrated

Report Date: 20-Jun-2014 20:21:53 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2022.D

Injection Date: 20-Jun-2014 17:58:30 Instrument ID: CMSY Operator ID: RM

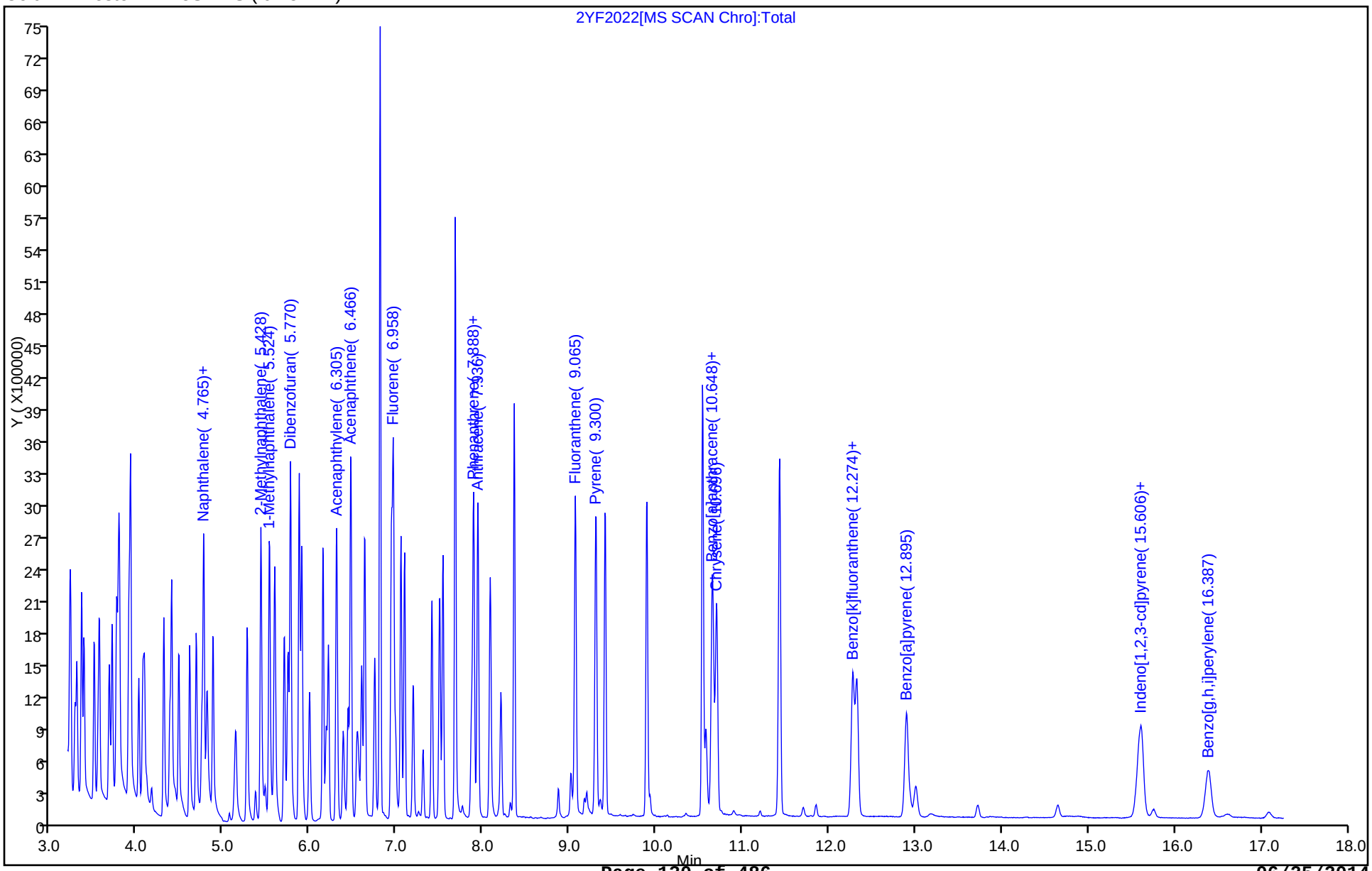
Lims ID: LCS 680-335093/7-A Worklist Smp#: 22

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 16

Method: 8270D_LLPAH_MSY Limit Group: 8270D_LL_PAH

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



Manual Integration/User Assign Peak Report

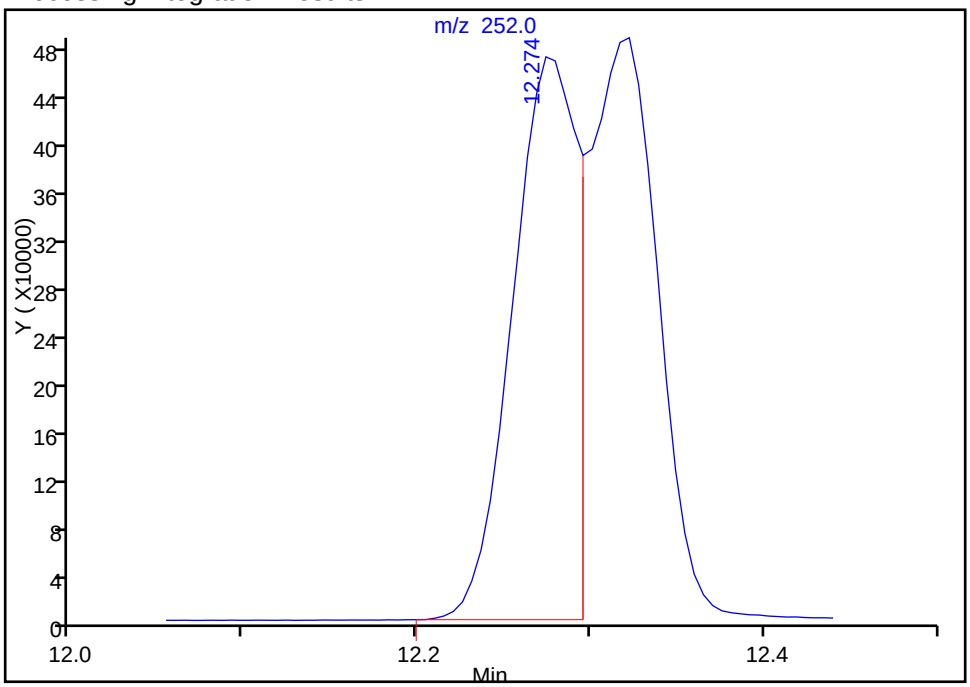
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2022.D				
Injection Date:	20-Jun-2014 17:58:30	Instrument ID:	CMSY		
Lims ID:	LCS 680-335093/7-A				
Client ID:					
Operator ID:	RM	ALS Bottle#:	16	Worklist Smp#:	22
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

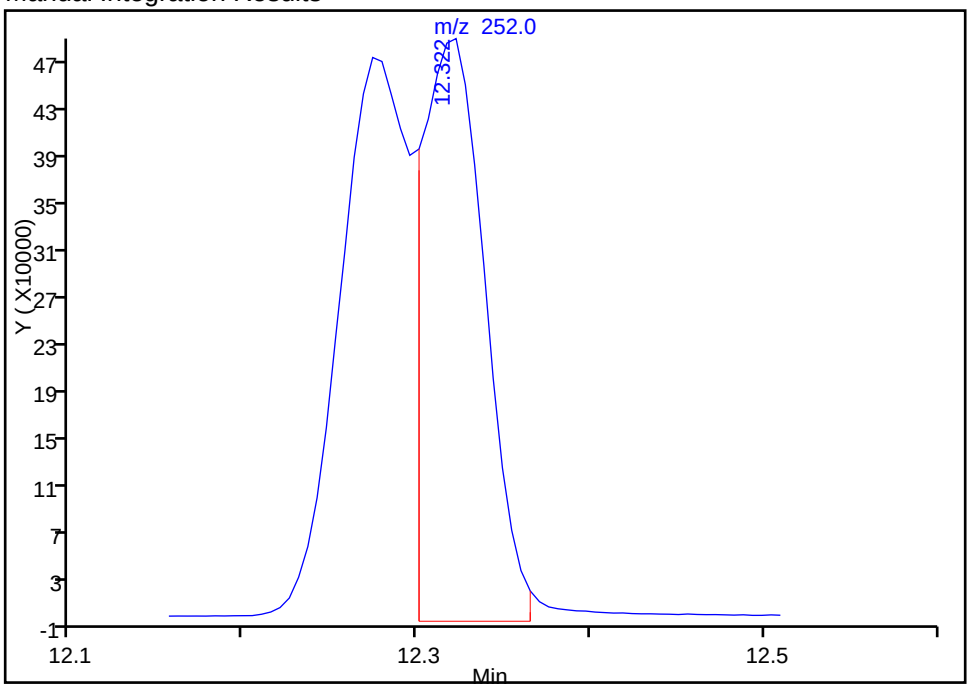
Processing Integration Results

RT: 12.27
Response: 1260948
Amount: 7.561804



Manual Integration Results

RT: 12.32
Response: 1247676
Amount: 7.482213



Reviewer: moorer, 20-Jun-2014 20:21:53
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-102328-1
SDG No.: 680-102328-01
Client Sample ID: CV1040-CS-18 MS
Lab Sample ID: 680-102328-4 MS
Matrix: Solid
Lab File ID: 2YF2023.D
Analysis Method: 8270D_LL_PAH
Date Collected: 06/12/2014 10:05
Extract. Method: 3546
Date Extracted: 06/19/2014 11:14
Sample wt/vol: 30.03(g)
Date Analyzed: 06/20/2014 18:21
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 16.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 335312
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	329		8.0	3.9
208-96-8	Acenaphthylene	328		8.0	3.9
120-12-7	Anthracene	339		8.0	3.9
56-55-3	Benzo[a]anthracene	337		8.0	3.9
50-32-8	Benzo[a]pyrene	405		8.0	1.4
205-99-2	Benzo[b]fluoranthene	420		8.0	3.9
191-24-2	Benzo[g,h,i]perylene	377		8.0	3.9
207-08-9	Benzo[k]fluoranthene	400		8.0	2.4
218-01-9	Chrysene	310		8.0	3.9
53-70-3	Dibenz(a,h)anthracene	409		8.0	3.9
206-44-0	Fluoranthene	332		8.0	3.9
86-73-7	Fluorene	350		8.0	3.9
193-39-5	Indeno[1,2,3-cd]pyrene	348		8.0	3.9
90-12-0	1-Methylnaphthalene	314		8.0	3.7
91-57-6	2-Methylnaphthalene	334		8.0	3.9
91-20-3	Naphthalene	312		8.0	3.9
85-01-8	Phenanthrene	358		8.0	2.9
129-00-0	Pyrene	362		8.0	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	58		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2023.D
Lims ID: 680-102328-A-4-G MS
Client ID:
Sample Type: MS
Inject. Date: 20-Jun-2014 18:21:30 ALS Bottle#: 17 Worklist Smp#: 23
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 102328-A-4-G MS
Misc. Info.: 680-0010283-023 =680-0010283-023
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 20:22:28 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 20:22:28

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	4.733	4.743	-0.010	98	684281	2.00	2.00	
* 2 Acenaphthene-d10	164	6.433	6.433	0.000	83	371122	2.00	2.00	
* 3 Phenanthrene-d10	188	7.867	7.856	0.011	99	507486	2.00	2.00	
* 4 Chrysene-d12	240	10.670	10.654	0.016	93	364313	2.00	2.00	
* 5 Perylene-d12	264	13.007	12.991	0.016	96	292552	2.00	2.00	
$ 6 o-Terphenyl	230	8.204	8.204	0.000	88	286329	2.00	1.16	
7 Naphthalene	128	4.754	4.765	-0.011	99	2975437	10.0	7.84	
10 1,1'-Biphenyl	154	4.861	4.962	-0.101	0	3696	NC	NC	
8 2-Methylnaphthalene	142	5.423	5.428	-0.006	82	1920131	10.0	8.39	
9 1-Methylnaphthalene	142	5.519	5.524	-0.005	90	1837789	10.0	7.90	
13 Dibenzofuran	168	5.701	5.717	-0.016	1	1616	NC	NC	
11 Acenaphthylene	152	6.300	6.300	0.000	98	2806459	10.0	8.24	
12 Acenaphthene	153	6.465	6.466	-0.001	94	1851393	10.0	8.26	
14 Fluorene	166	6.958	6.952	0.006	85	1956083	10.0	8.79	
15 Phenanthrene	178	7.888	7.883	0.005	98	2683668	10.0	9.00	
16 Anthracene	178	7.942	7.931	0.011	98	2444975	10.0	8.52	
17 Fluoranthene	202	9.065	9.060	0.005	97	2568687	10.0	8.35	
18 Pyrene	202	9.306	9.295	0.011	97	2567800	10.0	9.10	
19 Benzo[a]anthracene	228	10.653	10.643	0.010	99	1843151	10.0	8.47	
20 Chrysene	228	10.702	10.691	0.011	96	1670446	10.0	7.79	
21 Benzo[b]fluoranthene	252	12.285	12.263	0.022	98	1892585	10.0	10.5	
22 Benzo[k]fluoranthene	252	12.328	12.328	0.022	1	1679888	10.0	10.1	M
23 Benzo[a]pyrene	252	12.905	12.884	0.021	97	1473730	10.0	10.2	
24 Indeno[1,2,3-cd]pyrene	276	15.606	15.574	0.032	95	1406829	10.0	8.75	
25 Dibenz(a,h)anthracene	278	15.633	15.596	0.037	90	1170993	10.0	10.3	
26 Benzo[g,h,i]perylene	276	16.409	16.371	0.038	92	1181588	10.0	9.48	
29 4,4'-DDD	235	7.835	7.851	-0.016	1	139		NR	7
30 4,4'-DDT	235	8.198	8.156	0.042	13	2352		NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
NC - Not Calibrated
7 - Failed Limit of Detection

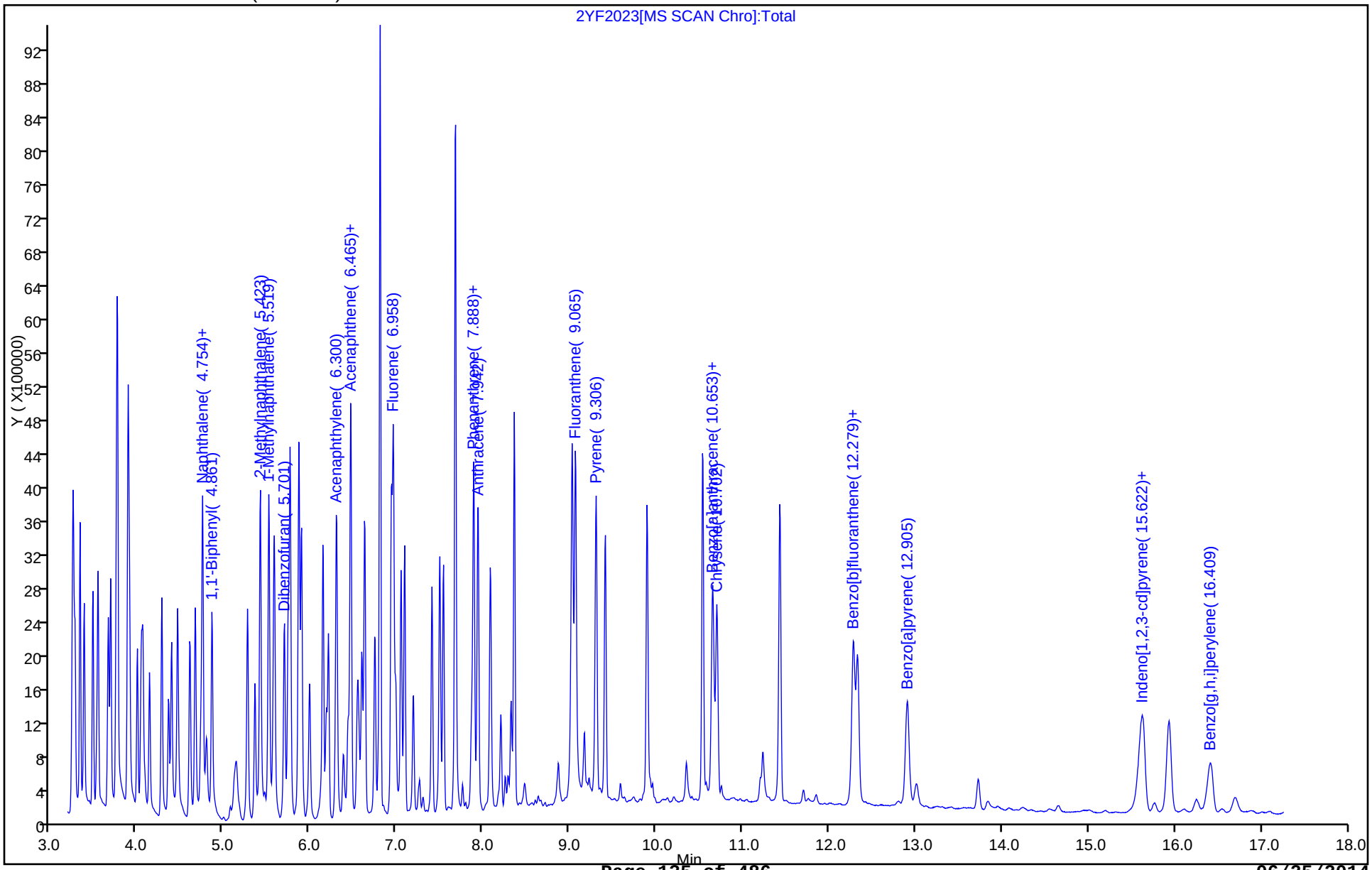
Review Flags
M - Manually Integrated

Report Date: 20-Jun-2014 20:22:28 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2023.D				
Injection Date:	20-Jun-2014 18:21:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-102328-A-4-G MS			Worklist Smp#:	23
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



Manual Integration/User Assign Peak Report

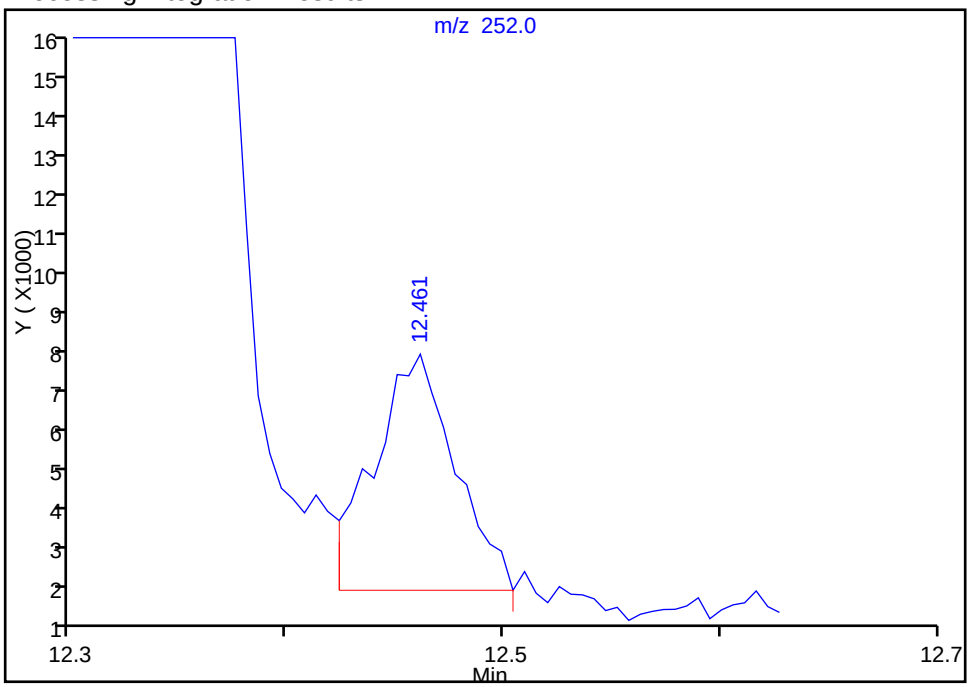
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2023.D				
Injection Date:	20-Jun-2014 18:21:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-G MS				
Client ID:					
Operator ID:	RM	ALS Bottle#:	17	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

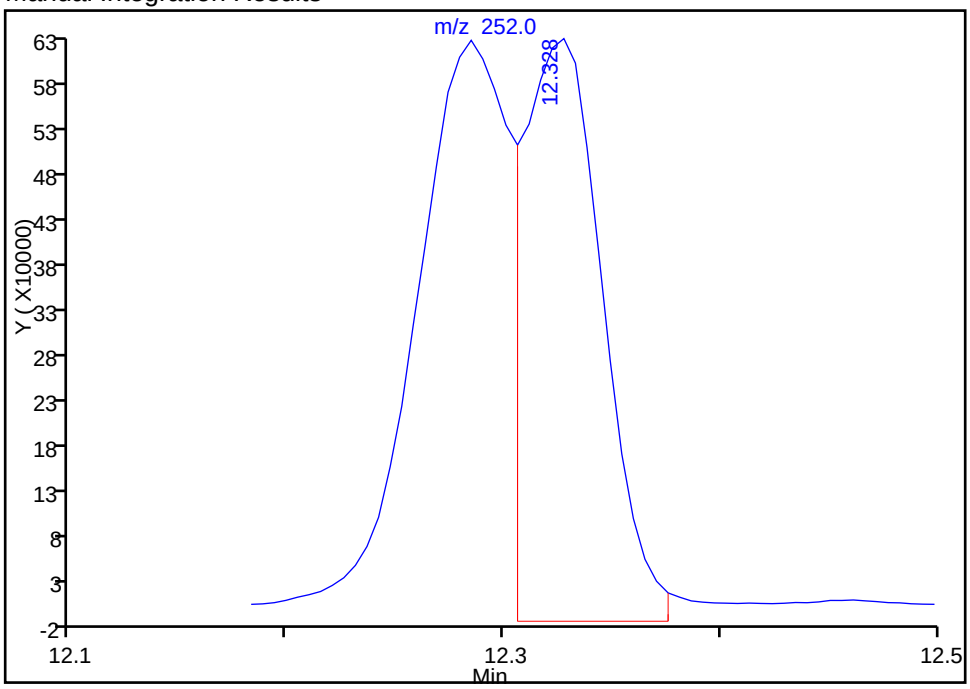
Processing Integration Results

RT: 12.46
Response: 15096
Amount: 0.090381



Manual Integration Results

RT: 12.33
Response: 1679888
Amount: 10.057625



Reviewer: moorer, 20-Jun-2014 20:22:28
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-102328-1
SDG No.: 680-102328-01
Client Sample ID: CV1040-CS-18 MSD
Lab Sample ID: 680-102328-4 MSD
Matrix: Solid
Lab File ID: 2YF2024.D
Analysis Method: 8270D_LL_PAH
Date Collected: 06/12/2014 10:05
Extract. Method: 3546
Date Extracted: 06/19/2014 11:14
Sample wt/vol: 30.06(g)
Date Analyzed: 06/20/2014 18:44
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture: 16.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 335312
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	327		8.0	3.9
208-96-8	Acenaphthylene	331		8.0	3.9
120-12-7	Anthracene	334		8.0	3.9
56-55-3	Benzo[a]anthracene	410		8.0	3.9
50-32-8	Benzo[a]pyrene	460		8.0	1.4
205-99-2	Benzo[b]fluoranthene	479		8.0	3.9
191-24-2	Benzo[g,h,i]perylene	428		8.0	3.9
207-08-9	Benzo[k]fluoranthene	420		8.0	2.4
218-01-9	Chrysene	365		8.0	3.9
53-70-3	Dibenz(a,h)anthracene	422		8.0	3.9
206-44-0	Fluoranthene	415		8.0	3.9
86-73-7	Fluorene	347		8.0	3.9
193-39-5	Indeno[1,2,3-cd]pyrene	382		8.0	3.9
90-12-0	1-Methylnaphthalene	305		8.0	3.7
91-57-6	2-Methylnaphthalene	329		8.0	3.9
91-20-3	Naphthalene	306		8.0	3.9
85-01-8	Phenanthrene	379		8.0	2.9
129-00-0	Pyrene	479		8.0	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	64		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2024.D
Lims ID: 680-102328-A-4-H MSD
Client ID:
Sample Type: MSD
Inject. Date: 20-Jun-2014 18:44:30 ALS Bottle#: 18 Worklist Smp#: 24
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 102328-A-4-H MSD
Misc. Info.: 680-0010283-024 =680-0010283-024
Operator ID: RM Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 20-Jun-2014 20:22:55 Calib Date: 20-Jun-2014 12:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2008.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moorer Date: 20-Jun-2014 20:22:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.738	4.743	-0.005	98	727921	2.00	2.00	
* 2 Acenaphthene-d10	164	6.439	6.433	0.006	82	392480	2.00	2.00	
* 3 Phenanthrene-d10	188	7.867	7.856	0.011	98	520446	2.00	2.00	
* 4 Chrysene-d12	240	10.670	10.654	0.016	97	348207	2.00	2.00	
* 5 Perylene-d12	264	13.012	12.991	0.021	96	276531	2.00	2.00	
$ 6 o-Terphenyl	230	8.204	8.204	0.000	88	303816	2.00	1.29	
7 Naphthalene	128	4.759	4.765	-0.006	99	3112840	10.0	7.71	
10 1,1'-Biphenyl	154	4.866	4.962	-0.096	0	3460	NC	NC	
8 2-Methylnaphthalene	142	5.428	5.428	0.000	82	2012892	10.0	8.27	
9 1-Methylnaphthalene	142	5.524	5.524	0.000	90	1896927	10.0	7.67	
13 Dibenzofuran	168	5.695	5.717	-0.022	11	1685	NC	NC	
11 Acenaphthylene	152	6.305	6.300	0.005	98	2997026	10.0	8.32	
12 Acenaphthene	153	6.471	6.466	0.005	94	1948644	10.0	8.22	
14 Fluorene	166	6.963	6.952	0.011	85	2052900	10.0	8.72	
15 Phenanthrene	178	7.894	7.883	0.011	98	2918275	10.0	9.54	
16 Anthracene	178	7.942	7.931	0.011	98	2474347	10.0	8.41	
17 Fluoranthene	202	9.070	9.060	0.010	98	3290797	10.0	10.4	
18 Pyrene	202	9.311	9.295	0.016	97	3250920	10.0	12.1	
19 Benzo[a]anthracene	228	10.654	10.643	0.011	99	2143812	10.0	10.3	
20 Chrysene	228	10.707	10.691	0.016	96	1881642	10.0	9.18	
21 Benzo[b]fluoranthene	252	12.290	12.263	0.027	98	2046624	10.0	12.1	
22 Benzo[k]fluoranthene	252	12.328	12.328	0.022	93	1668805	10.0	10.6	M
23 Benzo[a]pyrene	252	12.911	12.884	0.027	96	1581022	10.0	11.6	
24 Indeno[1,2,3-cd]pyrene	276	15.617	15.574	0.043	95	1476393	10.0	9.60	
25 Dibenz(a,h)anthracene	278	15.638	15.596	0.042	88	1143487	10.0	10.6	
26 Benzo[g,h,i]perylene	276	16.419	16.371	0.048	94	1267729	10.0	10.8	
29 4,4'-DDD	235	7.856	7.851	0.005	1	429		NR	7
30 4,4'-DDT	235	8.193	8.156	0.037	25	2755		NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
NC - Not Calibrated
7 - Failed Limit of Detection

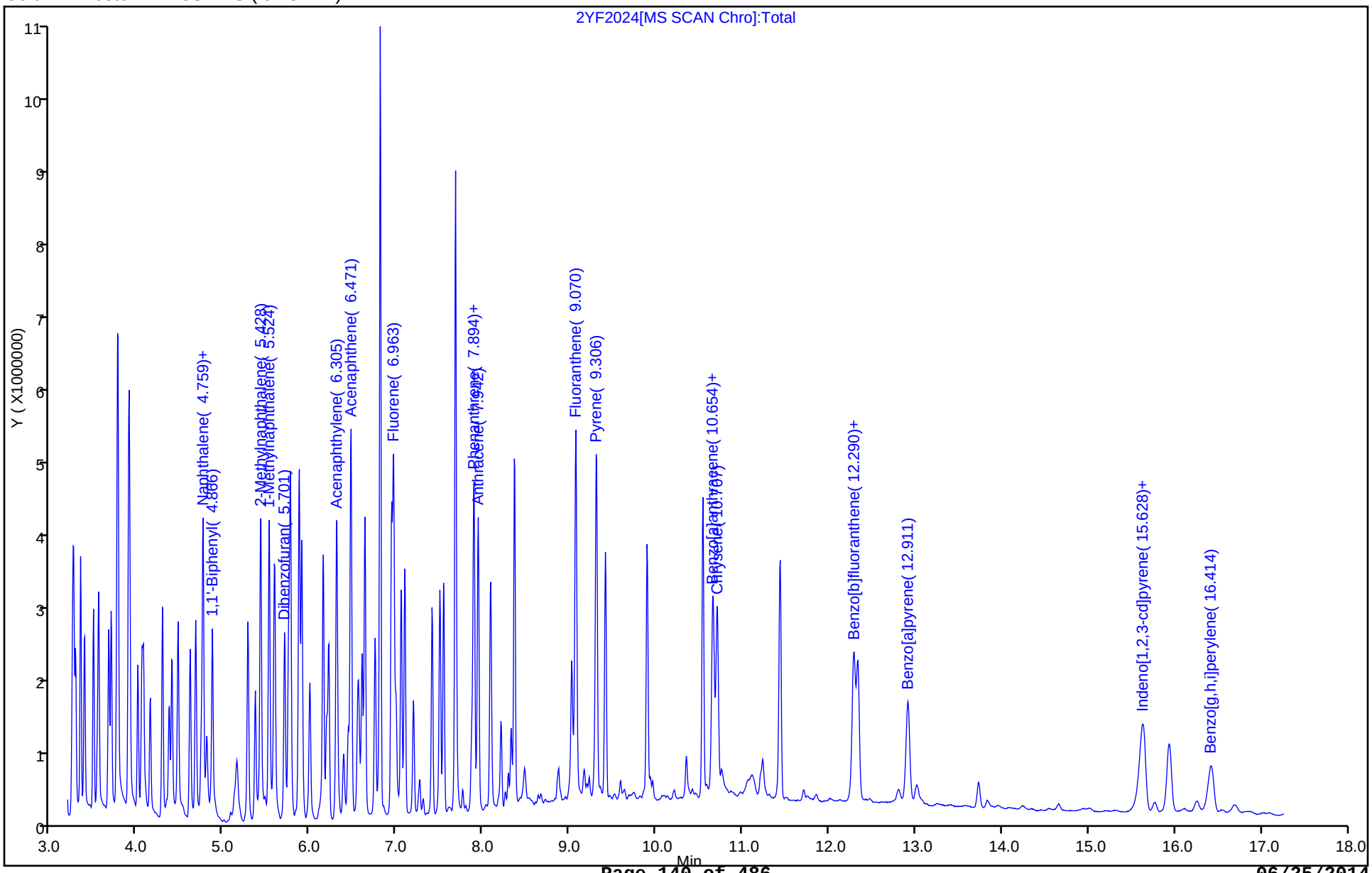
Review Flags
M - Manually Integrated

Report Date: 20-Jun-2014 20:22:55 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2024.D				
Injection Date:	20-Jun-2014 18:44:30	Instrument ID:	CMSY	Operator ID:	RM
Lims ID:	680-102328-A-4-H MSD			Worklist Smp#:	24
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



Manual Integration/User Assign Peak Report

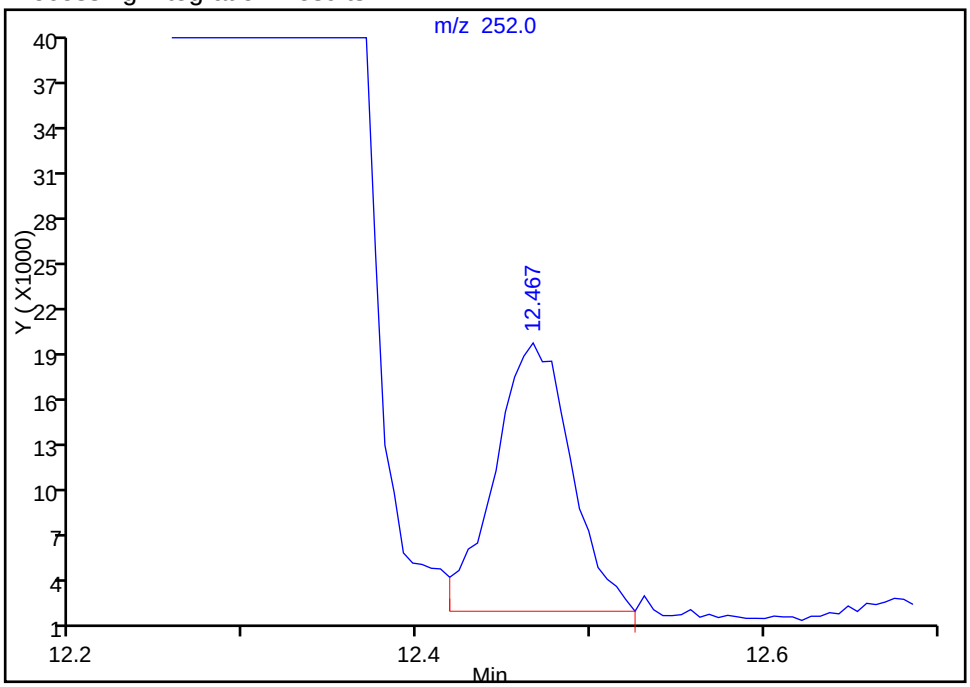
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20140620-10283.b\2YF2024.D				
Injection Date:	20-Jun-2014 18:44:30	Instrument ID:	CMSY		
Lims ID:	680-102328-A-4-H MSD				
Client ID:					
Operator ID:	RM	ALS Bottle#:	18	Worklist Smp#:	24
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

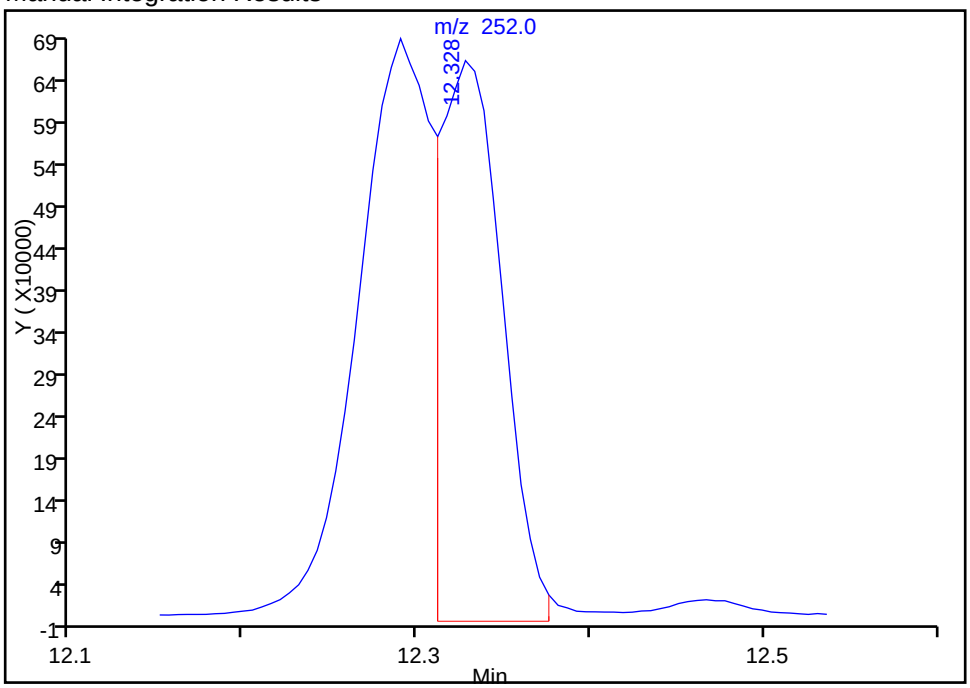
Processing Integration Results

RT: 12.47
Response: 52811
Amount: 0.334502



Manual Integration Results

RT: 12.33
Response: 1668805
Amount: 10.570120



Reviewer: moorer, 20-Jun-2014 20:22:55
Audit Action: Manually Integrated
Audit Reason: Split Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Instrument ID: CMSY Start Date: 06/20/2014 09:57

Analysis Batch Number: 335312 End Date: 06/20/2014 18:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-335312/1		06/20/2014 09:57	1	2YF2001.D	RXi- 5Sil MS 0.25(mm)
ICIS 680-335312/2		06/20/2014 10:14	1	2YF2002.D	RXi- 5Sil MS 0.25(mm)
IC 680-335312/3		06/20/2014 10:37	1	2YF2003.D	RXi- 5Sil MS 0.25(mm)
IC 680-335312/4		06/20/2014 11:00	1	2YF2004.D	RXi- 5Sil MS 0.25(mm)
IC 680-335312/5		06/20/2014 11:23	1	2YF2005.D	RXi- 5Sil MS 0.25(mm)
IC 680-335312/6		06/20/2014 11:46	1	2YF2006.D	RXi- 5Sil MS 0.25(mm)
IC 680-335312/7		06/20/2014 12:10	1	2YF2007.D	RXi- 5Sil MS 0.25(mm)
IC 680-335312/8		06/20/2014 12:33	1	2YF2008.D	RXi- 5Sil MS 0.25(mm)
ICV 680-335312/9		06/20/2014 12:56	1	2YF2009.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		06/20/2014 13:19	1		RXi- 5Sil MS 0.25(mm)
680-102328-2	CV1040-CS-6	06/20/2014 13:42	10	2YF2011.D	RXi- 5Sil MS 0.25(mm)
680-102328-3	CV1040-CS-12	06/20/2014 14:05	10	2YF2012.D	RXi- 5Sil MS 0.25(mm)
680-102328-4	CV1040-CS-18	06/20/2014 14:29	1	2YF2013.D	RXi- 5Sil MS 0.25(mm)
680-102328-5	CV1040-CS-24	06/20/2014 14:52	1	2YF2014.D	RXi- 5Sil MS 0.25(mm)
MB 680-335093/6-A		06/20/2014 17:35	1	2YF2021.D	RXi- 5Sil MS 0.25(mm)
LCS 680-335093/7-A		06/20/2014 17:58	1	2YF2022.D	RXi- 5Sil MS 0.25(mm)
680-102328-4 MS	CV1040-CS-18 MS	06/20/2014 18:21	1	2YF2023.D	RXi- 5Sil MS 0.25(mm)
680-102328-4 MSD	CV1040-CS-18 MSD	06/20/2014 18:44	1	2YF2024.D	RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Batch Number: 335093 Batch Start Date: 06/19/14 11:14 Batch Analyst: Vasquez, Juana M

Batch Method: 3546 Batch End Date: 06/19/14 11:44

Lab Sample ID	Client Sample I	Method Chain	Basis	InitialAmount	FinalAmount	EX8270SPKL1 00008	LLBNAwkSUR 00074	AnalysisCommen t	
680-102328-A-2	CV1040-CS-6	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-102328-A-3	CV1040-CS-12	3546, 8270D_LL_PAH	T	29.99 g	1 mL		1 mL		
680-102328-A-4	CV1040-CS-18	3546, 8270D_LL_PAH	T	30.01 g	1 mL		1 mL		
680-102328-A-5	CV1040-CS-24	3546, 8270D_LL_PAH	T	29.97 g	1 mL		1 mL		
MB 680-335093/6		3546, 8270D_LL_PAH		30.01 g	1 mL		1 mL		
LCS 680-335093/7		3546, 8270D_LL_PAH		30.01 g	1 mL	100 uL	1 mL	LLBNA8270SPK1	
680-102328-A-4 MS	CV1040-CS-18	3546, 8270D_LL_PAH	T	30.03 g	1 mL	100 uL	1 mL	LLBNA8270SPK1	
680-102328-A-4 MSD	CV1040-CS-18	3546, 8270D_LL_PAH	T	30.06 g	1 mL	100 uL	1 mL	LLBNA8270SPK1	

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.: 680-102328-1

SDG No.: 680-102328-01

Batch Number: 335093 Batch Start Date: 06/19/14 11:14 Batch Analyst: Vasquez, Juana M

Batch Method: 3546 Batch End Date: 06/19/14 11:44

Batch Notes	
Balance ID	30
Batch Comment	8270C_LL BOX LL137
Person's name who did the concentration	JV
Exchange Solvent Lot #	3632164
Exchange Solvent Name	MeCl2
Filter Paper Lot Number	09-795G
Final Concentrator Volume	1 mL
MeCl2/Acetone Lot #	3416292
Microwave Start Time	1114
Microwave Stop Time	1144
Na2SO4 Lot Number	3635006
Ottawa Sand Lot #	3581055
Person's name who did the prep	JV
Solvent Lot #	3622164
Solvent Name	MECL2
Person who performed Spike	JV
Person who witnessed spiking	JM

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: 680-102328-1

SDG No.: 680-102328-01

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV1040-CS-6	680-102328-2
CV1040-CS-12	680-102328-3
CV1040-CS-18	680-102328-4
CV1040-CS-24	680-102328-5

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1040-CS-6

Lab Sample ID: 680-102328-2

Lab Name: TestAmerica Savannah

Job No.: 680-102328-1

SDG ID.: 680-102328-01

Matrix: Solid

Date Sampled: 06/12/2014 09:00

Reporting Basis: DRY

Date Received: 06/13/2014 10:07

% Solids: 76.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	26	2.6	0.76	mg/Kg			1	6010C
7439-92-1	Lead	390	1.3	0.68	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1040-CS-12

Lab Sample ID: 680-102328-3

Lab Name: TestAmerica Savannah

Job No.: 680-102328-1

SDG ID.: 680-102328-01

Matrix: Solid

Date Sampled: 06/12/2014 09:30

Reporting Basis: DRY

Date Received: 06/13/2014 10:07

% Solids: 78.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	34	2.5	0.75	mg/Kg			1	6010C
7439-92-1	Lead	220	1.3	0.67	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1040-CS-18

Lab Sample ID: 680-102328-4

Lab Name: TestAmerica Savannah

Job No.: 680-102328-1

SDG ID.: 680-102328-01

Matrix: Solid

Date Sampled: 06/12/2014 10:05

Reporting Basis: DRY

Date Received: 06/13/2014 10:07

% Solids: 83.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	30	2.1	0.61	mg/Kg			1	6010C
7439-92-1	Lead	66	1.0	0.55	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1040-CS-24
Lab Sample ID: 680-102328-5
Lab Name: TestAmerica Savannah
Job No.: 680-102328-1
SDG ID.: 680-102328-01
Matrix: Solid
Date Sampled: 06/12/2014 10:55
Reporting Basis: DRY
Date Received: 06/13/2014 10:07
% Solids: 83.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	17	2.4	0.71	mg/Kg			1	6010C
7439-92-1	Lead	37	1.2	0.63	mg/Kg			1	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

ICV Source: P_ICV_wk_00225 Concentration Units: ug/L

CCV Source: P_CCV_wk_00124

Analyte	ICV 680-334904/4 06/17/2014 17:00				CCV 680-334904/12 06/17/2014 17:37				CCV 680-334904/216 06/18/2014 09:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	982		1000	98	486		500	97	462		500	92
Lead	1000		1000	100	497		500	99	487		500	97

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

ICV Source: P_ICV_wk_00225 Concentration Units: ug/L

CCV Source: P_CCV_wk_00124

Analyte	CCV 680-334904/228 06/18/2014 10:38				CCV 680-334904/240 06/18/2014 11:34				CCV 680-334904/252 06/18/2014 12:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	459		500	92	463		500	93	464		500	93
Lead	493		500	99	492		500	98	490		500	98

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

ICV Source: P_ICV_wk_00225 Concentration Units: ug/L

CCV Source: P_CCV_wk_00124

Analyte	CCV 680-334904/255 06/18/2014 13:18											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	468		500	94								
Lead	490		500	98								

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Method: 6010C Instrument ID: ICPF

Lab Sample ID: CRI 680-334904/6 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00032

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	22.6		113	70-130
Lead	10.0	8.21	J	82	70-130

Lab Sample ID: CRI 680-334904/254 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00032

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	21.5		107	70-130
Lead	10.0	11.2		112	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.: 680-102328-1

SDG No.: 680-102328-01

Concentration Units: ug/L

Analyte	RL	ICBIS 680-334904/5 06/17/2014 17:05		CCB 680-334904/13 06/17/2014 17:41		CCB 680-334904/217 06/18/2014 09:33		CCB 680-334904/229 06/18/2014 10:43	
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	20	U	20	U	20	U	20	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.: 680-102328-1

SDG No.: 680-102328-01

Concentration Units: ug/L

Analyte	RL	CCB 680-334904/241 06/18/2014 11:39		CCB 680-334904/253 06/18/2014 12:35		CCB 680-334904/256 06/18/2014 13:23			
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	20	U	20	U	20	U		
Lead	10	10	U	10	U	10	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Concentration Units: mg/Kg Lab Sample ID: MB 680-334383/1-A

Instrument Code: ICPF Batch No.: 334904

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	2.0	U		6010C
7439-92-1	Lead	0.98	U		6010C

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Lab Sample ID: ICSA 680-334904/7 Instrument ID: ICPF

Lab File ID: F06172014.csv ICS Source: P_ICSA_wk_00035

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-2.34**	
Lead		**0.891**	
Aluminum	*500000*	*532464*	*106*
Antimony		*5.24*	
Barium		*-1.89*	
Beryllium		*-0.173*	
Boron		*3.58*	
Cadmium		*0.417*	
Calcium	*500000*	*506004*	*101*
Chromium		*-0.366*	
Cobalt		*0.963*	
Copper		*0.399*	
Iron	*200000*	*192625*	*96*
Magnesium	*500000*	*541594*	*108*
Manganese		*-0.324*	
Molybdenum		*1.46*	
Nickel		*5.34*	
Potassium		*4.71*	
Selenium		*-6.18*	
Silver		*0.109*	
Sodium		*818*	
Strontium		*4.70*	
Thallium		*-15.7*	
Tin		*-0.909*	
Titanium		*1.01*	
Vanadium		*1.31*	
Zinc		*7.00*	

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.: 680-102328-1

SDG No.: 680-102328-01

Lab Sample ID: ICSAB 680-334904/8 Instrument ID: ICPF

Lab File ID: F06172014.csv ICS Source: P_ICSAB_wk_00050

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**100**	**96.6**	**97**
Lead	**50.0**	**54.7**	**109**
Aluminum	*500000*	*543427*	*109*
Antimony	*600*	*639*	*107*
Barium	*500*	*527*	*105*
Beryllium	*500*	*507*	*101*
Boron		*2.58*	
Cadmium	*1000*	*978*	*98*
Calcium	*500000*	*514672*	*103*
Chromium	*500*	*512*	*102*
Cobalt	*500*	*503*	*101*
Copper	*500*	*586*	*117*
Iron	*200000*	*195803*	*98*
Magnesium	*500000*	*550848*	*110*
Manganese	*500*	*532*	*106*
Molybdenum	*1000*	*1026*	*103*
Nickel	*1000*	*975*	*97*
Potassium		*5.33*	
Selenium	*50.0*	*59.6*	*119*
Silver	*200*	*225*	*113*
Sodium		*545*	
Strontium		*7.18*	
Thallium	*100*	*88.4*	*88*
Tin	*1000*	*1024*	*102*
Titanium		*0.371*	
Vanadium	*500*	*516*	*103*
Zinc	*1000*	*976*	*98*

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: _____ Lab ID: 680-102325-C-5-B MS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Matrix: Solid Concentration Units: mg/Kg

% Solids: 83.0

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	21.1		15		10.8	55	75-125	F1	6010C
Lead	15.1		11		5.38	85	75-125		6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-102325-C-5-C MSD

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Matrix: Solid Concentration Units: mg/Kg

% Solids: 83.0

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	25.4		11.1	93	75-125	19	20		6010C
Lead	16.4		5.53	106	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: _____ Lab ID: 680-102325-C-5-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	36.1		15		23.2	90	75-125		6010C
Lead	32.1		11		23.2	93	75-125		6010C

SSR = Spiked Sample Result

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

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-334383/2-A

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

Sample Matrix: Solid LCS Source: MS_LCS1_WK_00012

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	9.90	9.23		93	75	125		6010C
Lead	4.95	4.84		98	75	125		6010C

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-102325-C-5-A SD

SDG No: 680-102328-01

Lab Name: TestAmerica Savannah Job No: 680-102328-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	15		13.7		NC		6010C
Lead	11		12.4		NC		6010C

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-102328-1

SDG Number: 680-102328-01

Matrix: Solid Instrument ID: ICPF

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

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		2	0.59
Lead		1	0.53

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-102328-1

SDG Number: 680-102328-01

Matrix: Solid Instrument ID: ICPF

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

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		20	5.9
Lead		10	5.3

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-102328-1

SDG No.: 680-102328-01

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

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

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-102328-1

SDG No.: 680-102328-01

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

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

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-102328-1

SDG No.: 680-102328-01

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

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

X-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-334383/1-A	06/16/2014 09:06	334383	1.02		100
LCS 680-334383/2-A	06/16/2014 09:06	334383	1.01		100
680-102325-C-5-B MS	06/16/2014 09:06	334383	1.12		100
680-102325-C-5-C MSD	06/16/2014 09:06	334383	1.09		100
680-102328-2	06/16/2014 09:06	334383	1.02		100
680-102328-3	06/16/2014 09:06	334383	1.00		100
680-102328-4	06/16/2014 09:06	334383	1.15		100
680-102328-5	06/16/2014 09:06	334383	1.00		100

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Instrument ID: ICPF Method: 6010C

Start Date: 06/17/2014 16:47 End Date: 06/18/2014 13:23

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Pb																		
ZZZZZZ			16:47																				
ZZZZZZ			16:51																				
ZZZZZZ			16:56																				
ICV 680-334904/4	1		17:00	X	X																		
ICBIS 680-334904/5	1		17:05	X	X																		
CRI 680-334904/6	1		17:09	X	X																		
ICSA 680-334904/7	1		17:15	X	X																		
ICSAB 680-334904/8	1		17:19	X	X																		
ZZZZZZ			17:23																				
ZZZZZZ			17:28																				
ZZZZZZ			17:32																				
CCV 680-334904/12	1		17:37	X	X																		
CCB 680-334904/13	1		17:41	X	X																		
ZZZZZZ			17:46																				
ZZZZZZ			17:50																				
ZZZZZZ			17:57																				
ZZZZZZ			18:02																				
ZZZZZZ			18:06																				
ZZZZZZ			18:11																				
ZZZZZZ			18:16																				
ZZZZZZ			18:20																				
ZZZZZZ			18:25																				
ZZZZZZ			18:29																				
CCV 680-334904/24			18:34																				
CCB 680-334904/25			18:39																				
ZZZZZZ			18:43																				
ZZZZZZ			18:48																				
ZZZZZZ			18:53																				
ZZZZZZ			18:57																				
ZZZZZZ			19:02																				
ZZZZZZ			19:07																				
ZZZZZZ			19:11																				
ZZZZZZ			19:16																				
ZZZZZZ			19:21																				
ZZZZZZ			19:25																				
CCV 680-334904/36			19:30																				
CCB 680-334904/37			19:35																				
ZZZZZZ			19:39																				
ZZZZZZ			19:44																				
ZZZZZZ			19:49																				
ZZZZZZ			19:53																				
ZZZZZZ			19:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Instrument ID: ICPF Method: 6010C

Start Date: 06/17/2014 16:47 End Date: 06/18/2014 13:23

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Pb																		
ZZZZZZ			20:02																				
ZZZZZZ			20:07																				
ZZZZZZ			20:12																				
ZZZZZZ			20:16																				
ZZZZZZ			20:21																				
CCV 680-334904/48			20:26																				
CCB 680-334904/49			20:30																				
ZZZZZZ			20:35																				
ZZZZZZ			20:40																				
ZZZZZZ			20:44																				
ZZZZZZ			20:49																				
ZZZZZZ			20:53																				
ZZZZZZ			20:58																				
ZZZZZZ			21:03																				
ZZZZZZ			21:07																				
ZZZZZZ			21:12																				
ZZZZZZ			21:17																				
CCV 680-334904/60			21:21																				
CCB 680-334904/61			21:26																				
ZZZZZZ			21:31																				
ZZZZZZ			21:35																				
ZZZZZZ			21:40																				
ZZZZZZ			21:44																				
ZZZZZZ			21:49																				
ZZZZZZ			21:54																				
ZZZZZZ			21:58																				
ZZZZZZ			22:03																				
ZZZZZZ			22:08																				
ZZZZZZ			22:12																				
CCV 680-334904/72			22:17																				
CCB 680-334904/73			22:22																				
ZZZZZZ			22:26																				
ZZZZZZ			22:31																				
ZZZZZZ			22:35																				
ZZZZZZ			22:40																				
ZZZZZZ			22:45																				
ZZZZZZ			22:49																				
ZZZZZZ			22:54																				
ZZZZZZ			22:59																				
ZZZZZZ			23:03																				
ZZZZZZ			23:08																				
CCV 680-334904/84			23:13																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Instrument ID: ICPF Method: 6010C

Start Date: 06/17/2014 16:47 End Date: 06/18/2014 13:23

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Pb																		
CCB 680-334904/85			23:17																				
ZZZZZZ			23:22																				
ZZZZZZ			23:27																				
ZZZZZZ			23:31																				
ZZZZZZ			23:36																				
ZZZZZZ			23:40																				
ZZZZZZ			23:45																				
ZZZZZZ			23:50																				
ZZZZZZ			23:54																				
ZZZZZZ			23:59																				
ZZZZZZ			00:04																				
CCV 680-334904/96			00:08																				
CCB 680-334904/97			00:13																				
ZZZZZZ			00:18																				
ZZZZZZ			00:22																				
ZZZZZZ			00:27																				
ZZZZZZ			00:31																				
ZZZZZZ			00:36																				
ZZZZZZ			00:41																				
ZZZZZZ			00:45																				
ZZZZZZ			00:50																				
ZZZZZZ			00:55																				
ZZZZZZ			00:59																				
CCV 680-334904/108			01:04																				
CCB 680-334904/109			01:09																				
ZZZZZZ			01:13																				
ZZZZZZ			01:18																				
ZZZZZZ			01:23																				
ZZZZZZ			01:27																				
ZZZZZZ			01:32																				
ZZZZZZ			01:37																				
ZZZZZZ			01:41																				
ZZZZZZ			01:46																				
ZZZZZZ			01:50																				
ZZZZZZ			01:55																				
CCV 680-334904/120			02:00																				
CCB 680-334904/121			02:04																				
ZZZZZZ			02:09																				
ZZZZZZ			02:14																				
ZZZZZZ			02:18																				
ZZZZZZ			02:23																				
ZZZZZZ			02:28																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Instrument ID: ICPF Method: 6010C

Start Date: 06/17/2014 16:47 End Date: 06/18/2014 13:23

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Pb																		
ZZZZZZ			02:32																				
ZZZZZZ			02:37																				
ZZZZZZ			02:42																				
ZZZZZZ			02:46																				
ZZZZZZ			02:51																				
CCV 680-334904/132			02:56																				
CCB 680-334904/133			03:00																				
ZZZZZZ			03:05																				
ZZZZZZ			03:10																				
ZZZZZZ			03:14																				
ZZZZZZ			03:19																				
ZZZZZZ			03:24																				
ZZZZZZ			03:28																				
ZZZZZZ			03:33																				
ZZZZZZ			03:37																				
ZZZZZZ			03:42																				
ZZZZZZ			03:47																				
CCV 680-334904/144			03:51																				
CCB 680-334904/145			03:56																				
ZZZZZZ			04:01																				
ZZZZZZ			04:05																				
ZZZZZZ			04:10																				
ZZZZZZ			04:15																				
ZZZZZZ			04:19																				
ZZZZZZ			04:24																				
ZZZZZZ			04:29																				
ZZZZZZ			04:33																				
ZZZZZZ			04:38																				
ZZZZZZ			04:43																				
CCV 680-334904/156			04:47																				
CCB 680-334904/157			04:52																				
ZZZZZZ			04:57																				
ZZZZZZ			05:01																				
ZZZZZZ			05:06																				
ZZZZZZ			05:11																				
ZZZZZZ			05:15																				
ZZZZZZ			05:20																				
ZZZZZZ			05:25																				
ZZZZZZ			05:29																				
ZZZZZZ			05:34																				
ZZZZZZ			05:39																				
CCV 680-334904/168			05:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Instrument ID: ICPF Method: 6010C

Start Date: 06/17/2014 16:47 End Date: 06/18/2014 13:23

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Pb																		
CCB 680-334904/169			05:48																				
ZZZZZZ			05:53																				
ZZZZZZ			05:57																				
ZZZZZZ			06:02																				
ZZZZZZ			06:07																				
ZZZZZZ			06:11																				
ZZZZZZ			06:16																				
ZZZZZZ			06:21																				
ZZZZZZ			06:25																				
ZZZZZZ			06:30																				
ZZZZZZ			06:35																				
CCV 680-334904/180			06:39																				
CCB 680-334904/181			06:44																				
ZZZZZZ			06:49																				
ZZZZZZ			06:53																				
ZZZZZZ			06:58																				
ZZZZZZ			07:03																				
ZZZZZZ			07:07																				
ZZZZZZ			07:12																				
ZZZZZZ			07:17																				
ZZZZZZ			07:21																				
ZZZZZZ			07:26																				
ZZZZZZ			07:31																				
CCV 680-334904/192			07:35																				
CCB 680-334904/193			07:40																				
ZZZZZZ			07:45																				
ZZZZZZ			07:49																				
ZZZZZZ			07:54																				
ZZZZZZ			07:59																				
ZZZZZZ			08:04																				
ZZZZZZ			08:08																				
ZZZZZZ			08:13																				
ZZZZZZ			08:18																				
ZZZZZZ			08:22																				
ZZZZZZ			08:27																				
CCV 680-334904/204			08:32																				
CCB 680-334904/205			08:36																				
ZZZZZZ			08:41																				
ZZZZZZ			08:46																				
ZZZZZZ			08:50																				
ZZZZZZ			08:55																				
ZZZZZZ			09:00																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Instrument ID: ICPF Method: 6010C

Start Date: 06/17/2014 16:47 End Date: 06/18/2014 13:23

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Pb																		
ZZZZZZ			09:04																				
ZZZZZZ			09:09																				
ZZZZZZ			09:14																				
ZZZZZZ			09:19																				
ZZZZZZ			09:23																				
CCV 680-334904/216	1		09:28	X	X																		
CCB 680-334904/217	1		09:33	X	X																		
ZZZZZZ			09:37																				
ZZZZZZ			09:42																				
ZZZZZZ			09:47																				
ZZZZZZ			10:05																				
ZZZZZZ			10:10																				
MB 680-334383/1-A	1	T	10:14	X	X																		
LCS 680-334383/2-A	1	T	10:19	X	X																		
ZZZZZZ			10:24																				
680-102325-C-5-A SD	5	T	10:29	X	X																		
680-102325-C-5-A PDS	1	T	10:33	X	X																		
CCV 680-334904/228	1		10:38	X	X																		
CCB 680-334904/229	1		10:43	X	X																		
680-102325-C-5-B MS	1	T	10:47	X	X																		
680-102325-C-5-C MSD	1	T	10:52	X	X																		
ZZZZZZ			10:57																				
ZZZZZZ			11:01																				
ZZZZZZ			11:06																				
ZZZZZZ			11:11																				
ZZZZZZ			11:15																				
ZZZZZZ			11:20																				
ZZZZZZ			11:25																				
ZZZZZZ			11:30																				
CCV 680-334904/240	1		11:34	X	X																		
CCB 680-334904/241	1		11:39	X	X																		
ZZZZZZ			11:44																				
ZZZZZZ			11:48																				
ZZZZZZ			11:53																				
ZZZZZZ			11:58																				
ZZZZZZ			12:02																				
680-102328-2	1	T	12:07	X	X																		
680-102328-3	1	T	12:12	X	X																		
680-102328-4	1	T	12:17	X	X																		
680-102328-5	1	T	12:21	X	X																		
ZZZZZZ			12:26																				
CCV 680-334904/252	1		12:31	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Instrument ID: ICPF Method: 6010C

Start Date: 06/17/2014 16:47 End Date: 06/18/2014 13:23

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Pb																		
CCB 680-334904/253	1		12:35	X	X																		
CRI 680-334904/254	1		13:12	X	X																		
CCV 680-334904/255	1		13:18	X	X																		
CCB 680-334904/256	1		13:23	X	X																		

Prep Types

D = Dissolved

T = Total/NA

F06172014.wvq. All Data Report 6/18/2014, 1:25:20 PM

Blank (Blk) **6/17/2014, 4:47:24 PM** **Rack S, Tube 1**

Label	Replicates Concentration		
Ag 328.068	0.0574	0.1613	-0.2187
Al 308.215	-0.1648	1.0276	-0.8628
As 188.980	-0.0929	-3.6534	3.7463
B 249.678	0.0163	0.0653	-0.0816
Ba 389.178	-0.0158	-0.1279	0.1438
Be 313.042	0.0055	0.0011	-0.0065
Ca 370.602	-0.6370	-0.1444	0.7814
Cd 226.502	-0.0492	-0.0356	0.0848
Co 228.615	0.0409	-0.1277	0.0868
Cr 267.716	-0.0668	0.0730	-0.0062
Cu 324.754	0.0604	-0.2023	0.1419
Fe 271.441	0.0436	-5.9615	5.9180
K 766.491	-0.3097	0.2998	0.0099
Mg 279.078	-0.3028	-0.8435	1.1463
Mn 257.610	0.0150	0.0006	-0.0156
Mo 202.032	-0.1547	-0.1597	0.3143
Na 330.237	174.668	-29.4860	-145.183
Ni 231.604	-0.1873	0.0565	0.1308
Pb 220.353	0.3458	-0.3923	0.0465
Sb 206.834	-0.6442	-1.2711	1.9153
Se 196.026	-4.8758	1.2084	3.6674
Sn 189.925	-0.3704	0.2568	0.1136
Sr 216.596	0.2411	-0.2167	-0.0244
Ti 334.941	-0.0016	0.0132	-0.0116
Tl 190.794	-0.8234	-1.9574	2.7808
V 292.401	0.0179	0.0177	-0.0356
Zn 206.200	0.2420	-0.3366	0.0946

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	11.673	37.3	-31.2923
Al 308.215	0.0000	ppb	6.549	1.7	395.220
As 188.980	0.0000	ppb	2.391	47.8	-5.0017
B 249.678	0.0000	ppb	1.262	1.5	85.4345
Ba 389.178	0.0000	ppb	3.729	9.7	-38.3952
Be 313.042	0.0000	ppb	19.007	0.5	-3546.08
Ca 370.602	0.0000	ppb	3.590	20.2	-17.80
Cd 226.502	0.0000	ppb	3.083	11.7	26.4435
Co 228.615	0.0000	ppb	1.183	6.8	-17.3797
Cr 267.716	0.0000	ppb	2.470	603.3	0.4094
Cu 324.754	0.0000	ppb	9.962	4.6	215.545
Fe 271.441	0.0000	ppb	7.569	16.7	45.3313
K 766.491	0.0000	ppb	41.639	1.9	2176.38
Mg 279.078	0.0000	ppb	2.890	7.4	39.2406
Mn 257.610	0.0000	ppb	2.829	18.0	15.6746
Mo 202.032	0.0000	ppb	2.078	32.8	6.3427
Na 330.237	0.0000	ppb	10.909	10.7	101.528
Ni 231.604	0.0000	ppb	0.641	13.7	4.6638
Pb 220.353	0.0000	ppb	0.534	26.6	2.0094
Sb 206.834	0.0000	ppb	1.858	21.9	8.4648
Se 196.026	0.0000	ppb	2.011	26.1	7.6984
Sn 189.925	0.0000	ppb	0.261	2.6	-9.9502

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Sr 216.596	0.0000	ppb	2.514	36.2	6.9496
Ti 334.941	0.0000	ppb	5.615	6.6	-84.6286
Tl 190.794	0.0000	ppb	1.815	17.3	-10.4979
V 292.401	0.0000	ppb	1.285	14.3	9.0061
Zn 206.200	0.0000	ppb	0.973	65.5	1.4862

HIGH STD (Std) **6/17/2014, 4:51:52 PM** **Rack S, Tube 2**

Label	Replicates	Concentration	
Ag 328.068	995.860	1001.20	1002.94
Al 308.215	9977.10	10017.1	10005.8
As 188.980	999.409	1000.23	1000.36
B 249.678	996.145	1002.18	1001.68
Ba 389.178	9992.62	10010.9	9996.47
Be 313.042	997.891	1001.90	1000.21
Ca 370.602	9995	10004	10000
Cd 226.502	998.679	1002.61	998.708
Co 228.615	998.089	1001.19	1000.72
Cr 267.716	9991.77	10012.0	9996.27
Cu 324.754	10002.1	9946.75	10051.2
Fe 271.441	9969.95	10020.4	10009.7
K 766.491	19966.7	20041.6	19991.7
Mg 279.078	10013.7	9993.08	9993.22
Mn 257.610	9968.92	10011.6	10019.5
Mo 202.032	998.964	1002.19	998.843
Na 330.237	15006.9	15156.3	14836.7
Ni 231.604	4997.97	5005.14	4996.89
Pb 220.353	1000.63	1000.30	999.067
Sb 206.834	1991.75	2004.14	2004.10
Se 196.026	9979.15	10012.3	10008.5
Sn 189.925	9973.63	10023.6	10002.7
Sr 216.596	5003.41	5005.48	4991.11
Ti 334.941	997.848	1001.75	1000.40
Tl 190.794	9990.67	10013.1	9996.21
V 292.401	9978.19	10017.0	10004.8
Zn 206.200	5006.41	5002.17	4991.41

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	219.196	0.4	59396.5
Al 308.215	10000.0	ppb	141.224	0.2	68902.0
As 188.980	1000.00	ppb	0.334	0.1	641.075
B 249.678	1000.00	ppb	56.499	0.3	16961.3
Ba 389.178	10000.0	ppb	263.287	0.1	273082
Be 313.042	1000.00	ppb	6295.032	0.2	3123434
Ca 370.602	10000	ppb	22.204	0.0	49833
Cd 226.502	1000.00	ppb	94.594	0.2	41825.7
Co 228.615	1000.00	ppb	17.501	0.2	10452.6
Cr 267.716	10000.0	ppb	373.590	0.1	352373
Cu 324.754	10000.0	ppb	2894.235	0.5	554170
Fe 271.441	10000.0	ppb	33.858	0.3	12788.5
K 766.491	20000.0	ppb	5209.790	0.2	2733982
Mg 279.078	10000.0	ppb	33.313	0.1	28124.3

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Mn 257.610	10000.0	ppb	5030.457	0.3	1849229
Mo 202.032	1000.00	ppb	14.512	0.2	7639.83
Na 330.237	15000.0	ppb	10.771	1.0	1111.88
Ni 231.604	5000.00	ppb	17.291	0.1	19273.2
Pb 220.353	1000.00	ppb	1.187	0.1	1441.31
Sb 206.834	2000.00	ppb	7.862	0.4	2209.51
Se 196.026	10000.0	ppb	8.300	0.2	4579.28
Sn 189.925	10000.0	ppb	19.934	0.3	7926.01
Sr 216.596	5000.00	ppb	85.003	0.2	54686.2
Ti 334.941	1000.00	ppb	894.268	0.2	451315
Tl 190.794	10000.0	ppb	8.585	0.1	7326.49
V 292.401	10000.0	ppb	826.392	0.2	416541
Zn 206.200	5000.00	ppb	25.038	0.2	16191.4

Ag 328.068 Calibration (ppb) **6/17/2014, 4:51:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-31.2923	0.0000	0.0000	-	-
HIGH STD		59396.5	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 59.4 x + -31.3

Al 308.215 Calibration (ppb) **6/17/2014, 4:51:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		395.220	0.0000	0.0000	-	-
HIGH STD		68902.0	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 6.9 x + 395.2

As 188.980 Calibration (ppb) **6/17/2014, 4:51:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.0017	0.0000	0.0000	-	-
HIGH STD		641.075	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.6 x + -5.0

B 249.678 Calibration (ppb) **6/17/2014, 4:51:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		85.4345	0.0000	0.0000	-	-
HIGH STD		16961.3	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 16.9 x + 85.4

Ba 389.178 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-38.3952	0.0000	0.0000	-	-
HIGH STD		273082	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 27.3 x + -38.4

Be 313.042 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-3546.08	0.0000	0.0000	-	-
HIGH STD		3123434	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 3127.0 x + -3546.1

Ca 370.602 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-17.80	0.0000	0.0000	-	-
HIGH STD		49833	10000	10000	0.0000	0.0

Curve Type: Linear Equation: y = 5.0 x + -17.8

Cd 226.502 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		26.4435	0.0000	0.0000	-	-
HIGH STD		41825.7	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 41.8 x + 26.4

Co 228.615 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-17.3797	0.0000	0.0000	-	-
HIGH STD		10452.6	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 10.5 x + -17.4

Cr 267.716 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.4094	0.0000	0.0000	-	-
HIGH STD		352373	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 35.2 x + 0.4

Cu 324.754 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		215.545	0.0000	0.0000	-	-

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
HIGH STD		554170	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 55.4 x + 215.5

Fe 271.441 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		45.3313	0.0000	0.0000	-	-
HIGH STD		12788.5	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 1.3 x + 45.3

K 766.491 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2176.38	0.0000	0.0000	-	-
HIGH STD		2733982	20000.0	20000.0	0.0000	0.0

Curve Type: Linear Equation: y = 136.6 x + 2176.4

Mg 279.078 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		39.2406	0.0000	0.0000	-	-
HIGH STD		28124.3	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 2.8 x + 39.2

Mn 257.610 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		15.6746	0.0000	0.0000	-	-
HIGH STD		1849229	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 184.9 x + 15.7

Mo 202.032 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.3427	0.0000	0.0000	-	-
HIGH STD		7639.83	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 7.6 x + 6.3

Na 330.237 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		101.528	0.0000	0.0000	-	-
HIGH STD		1111.88	15000.0	15000.0	-0.0010	0.0

Curve Type: Linear Equation: y = 0.1 x + 101.5

Ni 231.604 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.6638	0.0000	0.0000	-	-
HIGH STD		19273.2	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: y = 3.9 x + 4.7

Pb 220.353 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.0094	0.0000	0.0000	-	-
HIGH STD		1441.31	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 1.4 x + 2.0

Sb 206.834 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.4648	0.0000	0.0000	-	-
HIGH STD		2209.51	2000.00	2000.00	-0.0004	0.0

Curve Type: Linear Equation: y = 1.1 x + 8.5

Se 196.026 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.6984	0.0000	0.0000	-	-
HIGH STD		4579.28	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.5 x + 7.7

Sn 189.925 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-9.9502	0.0000	0.0000	-	-
HIGH STD		7926.01	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 0.8 x + -10.0

Sr 216.596 Calibration (ppb) 6/17/2014, 4:51:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.9496	0.0000	0.0000	-	-
HIGH STD		54686.2	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: y = 10.9 x + 6.9

Ti 334.941 Calibration (ppb) **6/17/2014, 4:51:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-84.6286	0.0000	0.0000	-	-
HIGH STD		451315	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 451.4 x + -84.6

Tl 190.794 Calibration (ppb) **6/17/2014, 4:51:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-10.4979	0.0000	0.0000	-	-
HIGH STD		7326.49	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.7 x + -10.5

V 292.401 Calibration (ppb) **6/17/2014, 4:51:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.0061	0.0000	0.0000	-	-
HIGH STD		416541	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 41.7 x + 9.0

Zn 206.200 Calibration (ppb) **6/17/2014, 4:51:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.4862	0.0000	0.0000	-	-
HIGH STD		16191.4	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 3.2 x + 1.5

Lab Control Sample (LCS) **6/17/2014, 4:56:19 PM** **Rack S, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	1000.62	996.551	999.756
Al 308.215	10027.4	10046.7	10033.4
As 188.980	988.300	995.410	1005.48
B 249.678	1003.85	1003.85	1007.28
Ba 389.178	9964.72	9987.63	9979.97
Be 313.042	995.512	998.771	1000.22
Ca 370.602	10012	10056	10041
Cd 226.502	996.242	999.388	999.034
Co 228.615	997.940	1003.80	1000.67
Cr 267.716	9954.59	9988.55	9981.64
Cu 324.754	9996.30	10035.4	10034.4
Fe 271.441	9999.12	10038.2	10017.3
K 766.491	19967.9	19981.4	19990.1
Mg 279.078	9943.37	10005.3	9986.16
Mn 257.610	9952.50	10006.9	9991.96
Mo 202.032	994.029	999.200	997.587

Label	Replicates Concentration		
Na 330.237	14331.0	14319.9	14391.8
Ni 231.604	4976.57	5012.41	4988.44
Pb 220.353	997.239	1009.18	999.324
Sb 206.834	1968.22	1980.64	1976.44
Se 196.026	9995.23	10004.2	9989.91
Sn 189.925	9924.80	9992.35	10009.9
Sr 216.596	4974.50	4993.77	4992.39
Ti 334.941	997.609	999.105	998.567
Tl 190.794	9947.99	9995.50	9993.41
V 292.401	9978.96	9997.49	9996.44
Zn 206.200	4974.11	5001.42	4987.97

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	998.975	ppb	2.1426	0.2	59407.4	99.89750
Al 308.215	10035.8	ppb	9.8895	0.1	69838.8	100.35847
As 188.980	996.397	ppb	8.6327	0.9	638.960	99.63972
B 249.678	1004.99	ppb	1.9772	0.2	17069.9	100.49923
Ba 389.178	9977.44	ppb	11.6606	0.1	272547	99.77441
Be 313.042	998.169	ppb	2.4125	0.2	3121571	99.81685
Ca 370.602	10036	ppb	22.21	0.2	50119	100.36111
Cd 226.502	998.221	ppb	1.7235	0.2	41788.5	99.82214
Co 228.615	1000.80	ppb	2.9332	0.3	10455.8	100.08027
Cr 267.716	9974.92	ppb	17.9486	0.2	351370	99.74924
Cu 324.754	10022.0	ppb	22.2906	0.2	555213	100.22028
Fe 271.441	10018.2	ppb	19.5298	0.2	12958.2	100.18179
K 766.491	19979.8	ppb	11.2005	0.1	2731222	99.89896
Mg 279.078	9978.28	ppb	31.7120	0.3	28036.5	99.78278
Mn 257.610	9983.79	ppb	28.1125	0.3	1846338	99.83792
Mo 202.032	996.939	ppb	2.6458	0.3	7609.22	99.69389
Na 330.237	14347.5	ppb	38.6905	0.3	1027.83	95.65031
Ni 231.604	4992.47	ppb	18.2580	0.4	19244.7	99.84940
Pb 220.353	1001.91	ppb	6.3794	0.6	1448.48	100.19150
Sb 206.834	1975.10	ppb	6.3168	0.3	2242.58	98.75505
Se 196.026	9996.44	ppb	7.2064	0.1	4579.81	99.96436
Sn 189.925	9975.68	ppb	44.9315	0.5	7906.72	99.75684
Sr 216.596	4986.89	ppb	10.7508	0.2	54298.8	99.73770
Ti 334.941	998.427	ppb	0.7575	0.1	450633	99.84272
Tl 190.794	9978.97	ppb	26.8471	0.3	7322.92	99.78970
V 292.401	9990.96	ppb	10.4056	0.1	415002	99.90963
Zn 206.200	4987.83	ppb	13.6541	0.3	16113.6	99.75662

Initial Calib Verif (ICV) **6/17/2014, 5:00:46 PM** **Rack S, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	970.307	964.363	969.892
Al 308.215	965.520	962.365	967.259
As 188.980	985.337	979.874	980.452
B 249.678	980.615	980.280	980.359
Ba 389.178	1010.36	1006.64	1007.56
Be 313.042	999.527	996.518	998.722
Ca 370.602	980.1	977.1	981.4

Label	Replicates Concentration		
Cd 226.502	998.393	995.113	995.858
Co 228.615	1034.28	1029.54	1028.38
Cr 267.716	998.194	996.581	1002.04
Cu 324.754	996.902	993.268	991.734
Fe 271.441	980.639	989.878	971.872
K 766.491	9748.62	9732.81	9718.18
Mg 279.078	988.188	989.978	993.284
Mn 257.610	1030.54	1026.82	1026.74
Mo 202.032	1010.67x	1008.00x	1010.16x
Na 330.237	9792.95	9630.02	9739.17
Ni 231.604	1003.78	997.958	1002.83
Pb 220.353	1007.07	1000.68	1002.70
Sb 206.834	981.450	972.224	971.475
Se 196.026	976.317	969.636	973.845
Sn 189.925	4982.18	4940.21	4973.22
Sr 216.596	4907.30	4891.53	4902.93
Ti 334.941	948.598	947.030	945.905
Tl 190.794	975.037	969.779	979.629
V 292.401	1029.08	1024.74	1024.98
Zn 206.200	1016.44	1013.72	1020.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	968.188b	ppb	3.3185	0.3	57512.4	96.81877
Al 308.215	965.048b	ppb	2.4809	0.3	7145.30	96.50479
As 188.980	981.888b	ppb	3.0009	0.3	629.676	98.18877
B 249.678	980.418b	ppb	0.1753	0.0	16645.6	98.04182
Ba 389.178	1008.19b	ppb	1.9394	0.2	27508.7	100.81860
Be 313.042	998.255b	ppb	1.5574	0.2	3118199	99.82555
Ca 370.602	979.5b	ppb	2.199	0.2	5124	97.95331
Cd 226.502	996.455b	ppb	1.7196	0.2	41681.4	99.64547
Co 228.615	1030.73b	ppb	3.1268	0.3	10767.2	103.07320
Cr 267.716	998.939b	ppb	2.8058	0.3	35188.2	99.89391
Cu 324.754	993.968b	ppb	2.6541	0.3	55260.2	99.39680
Fe 271.441	980.796b	ppb	9.0037	0.9	1398.18	98.07963
K 766.491	9733.21b	ppb	15.2221	0.2	1331638	97.33205
Mg 279.078	990.483b	ppb	2.5851	0.3	2818.20	99.04834
Mn 257.610	1028.03b	ppb	2.1730	0.2	190132	102.80345
Mo 202.032	1009.61xb	ppb	1.4214	0.1	7712.45	100.96105
Na 330.237	9720.71b	ppb	83.0141	0.9	735.109	97.20714
Ni 231.604	1001.52b	ppb	3.1240	0.3	3864.30	100.15237
Pb 220.353	1003.48b	ppb	3.2683	0.3	1444.95	100.34843
Sb 206.834	975.050b	ppb	5.5555	0.6	1067.52	97.50497
Se 196.026	973.266b	ppb	3.3776	0.3	452.858	97.32661
Sn 189.925	4965.21b	ppb	22.1040	0.4	3930.42	99.30414
Sr 216.596	4900.59b	ppb	8.1413	0.2	53534.6	98.01181
Ti 334.941	947.178b	ppb	1.3521	0.1	427473	94.71777
Tl 190.794	974.815b	ppb	4.9289	0.5	706.730	97.48153
V 292.401	1026.27b	ppb	2.4394	0.2	42369.6	102.62661
Zn 206.200	1016.76b	ppb	3.2105	0.3	3289.90	101.67596

Initial Calib Blank (ICB) **6/17/2014, 5:05:13 PM** **Rack S, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	0.2780	0.5780	0.0698
Al 308.215	0.1883	1.7666	3.0217
As 188.980	5.5404	3.2507	2.6279
B 249.678	8.7320	7.7456	7.5990
Ba 389.178	0.2462	-0.3969u	-0.1532u
Be 313.042	0.0993	0.0931	0.0932
Ca 370.602	3.675	-1.369u	5.851
Cd 226.502	0.1424	0.1641	0.1209
Co 228.615	0.4125	0.0287	-0.1440u
Cr 267.716	0.0873	0.1695	0.2653
Cu 324.754	0.1241	0.1356	0.3644
Fe 271.441	9.8972	8.0335	-3.1325u
K 766.491	1.5810	1.7228	1.5574
Mg 279.078	-3.3872u	2.9184	5.5137
Mn 257.610	0.1579	0.1425	0.1404
Mo 202.032	0.8423	0.3292	0.7727
Na 330.237	97.9607	-0.0546u	249.887
Ni 231.604	0.8520	1.5793	1.5632
Pb 220.353	2.2743	-0.5812u	2.0050
Sb 206.834	4.0101	-3.1575u	-0.1335u
Se 196.026	-1.2204u	9.6648	-5.3138u
Sn 189.925	2.8903	1.4568	3.6715
Sr 216.596	0.7315	0.4119	-0.3896u
Ti 334.941	0.2246	0.2353	0.1799
Tl 190.794	-3.2148u	-2.5247u	-2.3561u
V 292.401	0.1847	0.0549	0.3694
Zn 206.200	0.0718	-0.2020u	-0.3703u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3086	ppb	0.2555	82.8	-12.9533	0.30858
Al 308.215	1.6589	ppb	1.4198	85.6	406.640	1.65887
As 188.980	3.8063	ppb	1.5337	40.3	-2.5424	3.80634
B 249.678	8.0256	ppb	0.6162	7.7	220.885	8.02557
Ba 389.178	-0.1013	ppb	0.3247	320.5	-41.1479	-0.10132
Be 313.042	0.0952	ppb	0.0035	3.7	-3248.52	0.09518
Ca 370.602	2.719	ppb	3.704	136.2	-4.236	2.71910
Cd 226.502	0.1425	ppb	0.0216	15.1	32.4083	0.14247
Co 228.615	0.0991	ppb	0.2848	287.5	-16.3542	0.09907
Cr 267.716	0.1740	ppb	0.0891	51.2	6.5420	0.17404
Cu 324.754	0.2080	ppb	0.1355	65.1	227.072	0.20803
Fe 271.441	4.9327	ppb	7.0466	142.9	51.6365	4.93271
K 766.491	1.6204	ppb	0.0895	5.5	2397.71	1.62041
Mg 279.078	1.6816	ppb	4.5776	272.2	43.9561	1.68163
Mn 257.610	0.1469	ppb	0.0095	6.5	42.8653	0.14693
Mo 202.032	0.6481	ppb	0.2784	43.0	11.2893	0.64807
Na 330.237	115.931	ppb	125.936	108.6	109.330	115.93124
Ni 231.604	1.3315	ppb	0.4153	31.2	9.7951	1.33150
Pb 220.353	1.2327	ppb	1.5767	127.9	3.7827	1.23270
Sb 206.834	0.2397	ppb	3.5983	1501.0	8.7159	0.23972
Se 196.026	1.0435	ppb	7.7417	741.9	8.1755	1.04353

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 189.925	2.6729	ppb	1.1233	42.0	-7.8290	2.67287
Sr 216.596	0.2513	ppb	0.5776	229.9	9.6266	0.25126
Ti 334.941	0.2133	ppb	0.0294	13.8	11.6293	0.21327
Tl 190.794	-2.6985	ppb	0.4550	16.9	-12.4779	-2.69853
V 292.401	0.2030	ppb	0.1580	77.8	17.2621	0.20299
Zn 206.200	-0.1668	ppb	0.2231	133.7	0.9456	-0.16684

CRI (CRI) **6/17/2014, 5:09:41 PM** **Rack S, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	10.1480	10.5297	10.0219
Al 308.215	211.770	212.353	215.227
As 188.980	24.1191	16.6071	26.9801
B 249.678	102.350	102.812	103.342
Ba 389.178	10.4376	9.4399	10.1562
Be 313.042	4.1579	4.1555	4.1676
Ca 370.602	521.0	523.8	524.8
Cd 226.502	5.1316	5.1268	5.3009
Co 228.615	10.2856	10.5202	9.9483
Cr 267.716	10.2451	10.0667	10.2722
Cu 324.754	20.8938	21.0550	21.3822
Fe 271.441	48.3490	48.9021	49.7926
K 766.491	1021.37	1024.47	1025.01
Mg 279.078	523.330	527.312	525.850
Mn 257.610	10.9043	10.8626	10.8003
Mo 202.032	10.1363	9.8034	10.7330
Na 330.237	874.004	1053.98	1143.44
Ni 231.604	42.5974	42.8078	43.9427
Pb 220.353	8.4698	8.4209	7.7346
Sb 206.834	19.3448	16.8832	22.8176
Se 196.026	18.7342	21.6906	20.4032
Sn 189.925	58.8088	57.2246	55.3964
Sr 216.596	9.6465	9.7130	9.5935
Ti 334.941	9.9509	9.9419	10.0392
Tl 190.794	25.9789	24.8389	24.3835
V 292.401	10.2795	10.4940	10.5692
Zn 206.200	21.1917	21.1607	20.5990

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.2332	ppb	0.2644	2.6	576.901	102.33220
Al 308.215	213.116	ppb	1.8509	0.9	1856.62	106.55824
As 188.980	22.5687	ppb	5.3575	23.7	9.5821	112.84367
B 249.678	102.835	ppb	0.4963	0.5	1821.13	102.83470
Ba 389.178	10.0112	ppb	0.5144	5.1	236.913	100.11219
Be 313.042	4.1603	ppb	0.0064	0.2	9465.46	104.00815
Ca 370.602	523.2	ppb	1.977	0.4	2592	104.63634
Cd 226.502	5.1864	ppb	0.0992	1.9	243.413	103.72794
Co 228.615	10.2514	ppb	0.2875	2.8	89.8895	102.51386
Cr 267.716	10.1947	ppb	0.1117	1.1	359.532	101.94691
Cu 324.754	21.1103	ppb	0.2489	1.2	1384.22	105.55156
Fe 271.441	49.0146	ppb	0.7284	1.5	108.822	98.02914

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	1023.61	ppb	1.9633	0.2	141992	102.36140
Mg 279.078	525.497	ppb	2.0144	0.4	1514.97	105.09946
Mn 257.610	10.8557	ppb	0.0523	0.5	2027.26	108.55699
Mo 202.032	10.2242	ppb	0.4710	4.6	84.3774	102.24244
Na 330.237	1023.81	ppb	137.228	13.4	170.212	102.38074
Ni 231.604	43.1160	ppb	0.7237	1.7	170.823	107.78989
Pb 220.353	8.2085	ppb	0.4111	5.0	13.7972	82.08472
Sb 206.834	19.6818	ppb	2.9815	15.1	29.9833	98.40924
Se 196.026	20.2760	ppb	1.4823	7.3	16.9745	101.38004
Sn 189.925	57.1433	ppb	1.7076	3.0	35.3988	114.28651
Sr 216.596	9.6510	ppb	0.0599	0.6	110.450	96.51024
Ti 334.941	9.9773	ppb	0.0538	0.5	4420.47	99.77341
Tl 190.794	25.0671	ppb	0.8218	3.3	7.9091	100.26843
V 292.401	10.4475	ppb	0.1503	1.4	440.298	104.47536
Zn 206.200	20.9838	ppb	0.3336	1.6	69.3941	104.91908

Interf Check A (ICSA) **6/17/2014, 5:15:00 PM** **Rack S, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	0.3022u	0.2210u	-0.1955u
Al 308.215	531778	532697	532916
As 188.980	-14.5635u	2.9533	4.5806
B 249.678	3.1853u	4.1316u	3.4316u
Ba 389.178	-1.7684	-2.0655	-1.8226
Be 313.042	-0.1916u	-0.1643u	-0.1622u
Ca 370.602	504679	505735	507599
Cd 226.502	0.4013	0.1537	0.6965
Co 228.615	2.1443	0.1668	0.5783
Cr 267.716	-0.1578u	-0.7988u	-0.1415u
Cu 324.754	0.7411u	0.3003u	0.1557u
Fe 271.441	192377	192597	192902
K 766.491	4.8501	4.5851	4.7060
Mg 279.078	540261	542478	542045
Mn 257.610	-0.3677	-0.3287	-0.2762
Mo 202.032	1.1981u	1.6757u	1.4983u
Na 330.237	879.602u	597.895u	975.631u
Ni 231.604	6.3277	4.9361	4.7689
Pb 220.353	2.2885u	-0.5806u	0.9665u
Sb 206.834	8.8122	4.5869	2.3258
Se 196.026	-12.9014	-2.5151	-3.1230
Sn 189.925	-2.2780u	1.3703	-1.8184u
Sr 216.596	5.5221	4.2427	4.3329
Ti 334.941	0.9941	0.9888	1.0483
Tl 190.794	-14.9909u	-15.3977u	-16.7183u
V 292.401	1.1859	1.2447	1.4858
Zn 206.200	7.8075	7.5449	5.6494

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1092	ppb	0.2670	244.4	-52.1230	0.10925
Al 308.215	532464	ppb	603.946	0.1	3648134	-
As 188.980	-2.3432	ppb	10.6143	453.0	-8.3412	-2.34320

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	3.5828	ppb	0.4909	13.7	-12.7822	3.58284
Ba 389.178	-1.8855	ppb	0.1582	8.4	2117.07	-1.88549
Be 313.042	-0.1727	ppb	0.0164	9.5	-3759.82	-0.17271
Ca 370.602	506004	ppb	1479	0.3	2518906	-
Cd 226.502	0.4172	ppb	0.2718	65.1	752.068	0.41718
Co 228.615	0.9631	ppb	1.0434	108.3	4.6648	0.96311
Cr 267.716	-0.3660	ppb	0.3749	102.4	-8.7245	-0.36604
Cu 324.754	0.3990	ppb	0.3049	76.4	-318.225	0.39903
Fe 271.441	192625	ppb	263.702	0.1	245512	-
K 766.491	4.7137	ppb	0.1326	2.8	2820.23	4.71374
Mg 279.078	541594	ppb	1175.05	0.2	1520607	-
Mn 257.610	-0.3242	ppb	0.0459	14.2	4622.38	-0.32421
Mo 202.032	1.4574	ppb	0.2414	16.6	-4.0982	1.45738
Na 330.237	817.709	ppb	196.326	24.0	59.5130	817.70917
Ni 231.604	5.3442	ppb	0.8558	16.0	34.9821	5.34424
Pb 220.353	0.8915	ppb	1.4360	161.1	-31.4092	0.89147
Sb 206.834	5.2416	ppb	3.2924	62.8	14.2595	5.24162
Se 196.026	-6.1798	ppb	5.8290	94.3	13.3969	-6.17985
Sn 189.925	-0.9087	ppb	1.9870	218.7	-10.6717	-0.90870
Sr 216.596	4.6992	ppb	0.7140	15.2	418.226	4.69923
Ti 334.941	1.0104	ppb	0.0329	3.3	1914.97	1.01042
Tl 190.794	-15.7023	ppb	0.9031	5.8	-40.7900	-15.70230
V 292.401	1.3055	ppb	0.1589	12.2	170.144	1.30549
Zn 206.200	7.0006	ppb	1.1775	16.8	30.8647	7.00062

Interf Check AB (ICSAB) **6/17/2014, 5:19:28 PM** **Rack S, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	225.958	224.862	225.430
Al 308.215	542939	543254	544086
As 188.980	102.660	100.144	86.9047
B 249.678	2.2514u	1.9064u	3.5820u
Ba 389.178	527.600	526.464	527.162
Be 313.042	506.478	506.803	507.421
Ca 370.602	514827	512871	516318
Cd 226.502	979.632	976.333	978.947
Co 228.615	503.026	502.549	502.178
Cr 267.716	511.677	511.506	511.984
Cu 324.754	588.258	584.670	583.578
Fe 271.441	195655	195653	196100
K 766.491	5.4555	5.1383	5.3916
Mg 279.078	550625	550198	551720
Mn 257.610	532.000	531.600	532.212
Mo 202.032	1027.32	1023.31	1027.61
Na 330.237	526.331u	528.806u	580.509u
Ni 231.604	974.266	972.942	976.621
Pb 220.353	51.3955	57.1452	55.5384
Sb 206.834	649.542	628.196	640.240
Se 196.026	69.6631	45.5305	63.5883
Sn 189.925	1028.97	1024.63	1018.66
Sr 216.596	6.9988	6.5216	8.0328

Label	Replicates Concentration		
Ti 334.941	0.3642	0.3546	0.3936
Tl 190.794	83.2807	92.6507	89.3042
V 292.401	516.151	516.037	516.831
Zn 206.200	976.434	974.543	977.335

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	225.417	ppb	0.5482	0.2	13340.8	112.70844
Al 308.215	543427	ppb	592.754	0.1	3723345	108.68530
As 188.980	96.5696	ppb	8.4640	8.8	55.8502	96.56959
B 249.678	2.5799	ppb	0.8848	34.3	-22.3608	-
Ba 389.178	527.076	ppb	0.5728	0.1	16606.5	105.41510
Be 313.042	506.901	ppb	0.4789	0.1	1581866	101.38012
Ca 370.602	514672	ppb	1729	0.3	2562055	102.93444
Cd 226.502	978.304	ppb	1.7408	0.2	41639.2	97.83040
Co 228.615	502.584	ppb	0.4252	0.1	5229.99	100.51688
Cr 267.716	511.722	ppb	0.2419	0.0	18029.9	102.34446
Cu 324.754	585.502	ppb	2.4484	0.4	32098.6	117.10040
Fe 271.441	195803	ppb	257.301	0.1	249611	97.90134
K 766.491	5.3285	ppb	0.1678	3.1	2904.20	-
Mg 279.078	550848	ppb	785.197	0.1	1546587	110.16954
Mn 257.610	531.937	ppb	0.3107	0.1	103129	106.38747
Mo 202.032	1026.08	ppb	2.4009	0.2	7816.66	102.60803
Na 330.237	545.215	ppb	30.5903	5.6	36.2191	-
Ni 231.604	974.610	ppb	1.8635	0.2	3770.42	97.46098
Pb 220.353	54.6931	ppb	2.9666	5.4	44.2990	109.38610
Sb 206.834	639.326	ppb	10.7023	1.7	693.745	106.55435
Se 196.026	59.5940	ppb	12.5523	21.1	43.7087	119.18790
Sn 189.925	1024.08	ppb	5.1801	0.5	802.760	102.40849
Sr 216.596	7.1844	ppb	0.7725	10.8	386.904	-
Ti 334.941	0.3708	ppb	0.0203	5.5	1652.73	-
Tl 190.794	88.4119	ppb	4.7483	5.4	35.9002	88.41187
V 292.401	516.339	ppb	0.4293	0.1	21260.3	103.26790
Zn 206.200	976.104	ppb	1.4250	0.1	3166.95	97.61041

LRA1 (Samp) **6/17/2014, 5:23:58 PM** **Rack S, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	0.2417	0.1872	0.3438
Al 308.215	65.5528	68.5495	47.1408
As 188.980	19745.3x	19769.1x	19911.6x
B 249.678	4908.81	4924.94	4914.64
Ba 389.178	-1.7697u	-1.9782u	-2.0686u
Be 313.042	-1.2928u	-1.2976u	-1.3195u
Ca 370.602	197.9	202.4	181.2
Cd 226.502	-0.1439u	-0.0632	-0.2691u
Co 228.615	9937.10	9959.93	9960.03
Cr 267.716	1.9681	1.8709	2.1195
Cu 324.754	-1.3764u	-1.2295u	-1.0307u
Fe 271.441	7.2137	9.3810	3.3533
K 766.491	1.6302	1.1414	1.3075
Mg 279.078	-9.0342u	-15.4221u	-30.7652u

Label	Replicates Concentration		
Mn 257.610	27222.6x	27835.2x	27366.4x
Mo 202.032	0.9553	0.7857	0.2259
Na 330.237	1309.97u	1562.62u	1154.64u
Ni 231.604	9956.97	9959.98	9927.29
Pb 220.353	20271.8x	20287.4x	20278.4x
Sb 206.834	6.4833	3.2506	8.3874
Se 196.026	-2.6834	-2.0483	9.7153
Sn 189.925	5.6575	-0.2851u	8.1560
Sr 216.596	2.7038u	3.3478u	3.1525u
Ti 334.941	27593.6	27686.9	27717.3
Tl 190.794	23.3223	5.5442	16.3104
V 292.401	0.4847	0.8490	0.7438
Zn 206.200	0.4963	0.6498	-0.2324u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2576b	ppb	0.0795	30.9	64.3429
Al 308.215	60.4144b	ppb	11.5925	19.2	809.643
As 188.980	19808.7xb	ppb	89.9504	0.5	12792.9
B 249.678	4916.13b	ppb	8.1669	0.2	83048.5
Ba 389.178	-1.9388b	ppb	0.1533	7.9	-89.2738
Be 313.042	-1.3033b	ppb	0.0142	1.1	-7644.47
Ca 370.602	193.8b	ppb	11.17	5.8	9002
Cd 226.502	-0.1587b	ppb	0.1038	65.4	23.5503
Co 228.615	9952.35b	ppb	13.2095	0.1	104740
Cr 267.716	1.9862b	ppb	0.1253	6.3	70.2148
Cu 324.754	-1.2122b	ppb	0.1735	14.3	-460.995
Fe 271.441	6.6494b	ppb	3.0533	45.9	999.284
K 766.491	1.3597b	ppb	0.2485	18.3	2362.10
Mg 279.078	-18.4072b	ppb	11.1688	60.7	-14.8666
Mn 257.610	27474.7xb	ppb	320.351	1.2	5080684
Mo 202.032	0.6556b	ppb	0.3817	58.2	11.2397
Na 330.237	1342.41b	ppb	205.915	15.3	-306.708
Ni 231.604	9948.08b	ppb	18.0686	0.2	38341.7
Pb 220.353	20279.2xb	ppb	7.8533	0.0	29173.8
Sb 206.834	6.0404b	ppb	2.5969	43.0	15.1261
Se 196.026	1.6612b	ppb	6.9823	420.3	13.4604
Sn 189.925	4.5095b	ppb	4.3361	96.2	-6.3737
Sr 216.596	3.0680b	ppb	0.3302	10.8	-438.174
Ti 334.941	27665.9b	ppb	64.4538	0.2	12488315
Tl 190.794	15.0590b	ppb	8.9549	59.5	24.1214
V 292.401	0.6925b	ppb	0.1875	27.1	494.334
Zn 206.200	0.3046b	ppb	0.4714	154.8	2.4912

LRA2 (Samp) **6/17/2014, 5:28:29 PM** **Rack S, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.6968u	-0.0186u	0.0520u
Al 308.215	810891	834024	813560
As 188.980	24.0758	15.8103	16.8081
B 249.678	34.3607u	29.1924u	23.8472u
Ba 389.178	19.0489	17.4155	16.6952

Label	Replicates Concentration		
Be 313.042	-0.3085u	-0.2977u	-0.2917u
Ca 370.602	775345	778498	778001
Cd 226.502	3.9883	3.5858	3.0870
Co 228.615	-9.1095u	-9.8606u	-9.2061u
Cr 267.716	-8.0527u	-7.9779u	-5.4657u
Cu 324.754	6.0210u	5.7942u	5.5240u
Fe 271.441	927943	923082	925890
K 766.491	251.774	250.613	251.358
Mg 279.078	814693	814712	816365
Mn 257.610	2.4997	1.5276	1.5261
Mo 202.032	-0.3703u	-0.0681u	-0.2451u
Na 330.237	958.021u	1004.38u	868.723u
Ni 231.604	-1.3811	-2.8294	-1.8899
Pb 220.353	16.0528u	20.1117u	12.9421u
Sb 206.834	16.1027	0.1587	13.6958
Se 196.026	-16.3178	-22.7310	-31.6251
Sn 189.925	7.5096	2.4993	0.8579
Sr 216.596	3.2319	3.9021	1.8396
Ti 334.941	5.7302	4.9343	4.4824
Tl 190.794	-33.0207u	-32.2052u	-25.5582u
V 292.401	4.1148	4.5819	4.2666
Zn 206.200	62.3019	59.6812	62.0713

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2434	ppb	0.3942	162.0	-131.599
Al 308.215	819492	ppb	12656.0	1.5	5614474
As 188.980	18.8981	ppb	4.5117	23.9	-1.5584
B 249.678	29.1334	ppb	5.2570	18.0	-185.127
Ba 389.178	17.7199	ppb	1.2060	6.8	5239.58
Be 313.042	-0.2993	ppb	0.0085	2.8	-3978.73
Ca 370.602	777281	ppb	1695	0.2	3857700
Cd 226.502	3.5537	ppb	0.4515	12.7	3549.84
Co 228.615	-9.3921	ppb	0.4086	4.4	-58.3373
Cr 267.716	-7.1654	ppb	1.4725	20.6	-246.414
Cu 324.754	5.7797	ppb	0.2489	4.3	-314.596
Fe 271.441	925639	ppb	2440.58	0.3	1179605
K 766.491	251.248	ppb	0.5880	0.2	36494.4
Mg 279.078	815257	ppb	959.982	0.1	2287269
Mn 257.610	1.8511	ppb	0.5617	30.3	9212.59
Mo 202.032	-0.2278	ppb	0.1519	66.7	-98.9252
Na 330.237	943.710	ppb	68.9541	7.3	-300.904
Ni 231.604	-2.0335	ppb	0.7347	36.1	42.5654
Pb 220.353	16.3688	ppb	3.5952	22.0	-37.5367
Sb 206.834	9.9858	ppb	8.5951	86.1	19.6965
Se 196.026	-23.5580	ppb	7.6871	32.6	26.5825
Sn 189.925	3.6223	ppb	3.4651	95.7	-7.0778
Sr 216.596	2.9912	ppb	1.0521	35.2	1230.40
Ti 334.941	5.0490	ppb	0.6318	12.5	4632.86
Tl 190.794	-30.2614	ppb	4.0934	13.5	-98.9952
V 292.401	4.3211	ppb	0.2383	5.5	689.975
Zn 206.200	61.3515	ppb	1.4511	2.4	232.375

K NA ZN (Samp) **6/17/2014, 5:32:59 PM** **Rack S, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	0.4259	0.3702	0.1038
Al 308.215	361.531	355.793	359.511
As 188.980	6.6162	8.9597	1.7732
B 249.678	7.9395	7.5050	7.3014
Ba 389.178	0.1864	-0.0819	0.1515
Be 313.042	0.0392	0.0359	0.0609
Ca 370.602	376.3	368.8	377.3
Cd 226.502	0.1687	0.0482	0.1714
Co 228.615	-0.4772u	-0.0667u	0.8191
Cr 267.716	0.0419	0.2502	0.0842
Cu 324.754	0.6461	0.8583	1.0508
Fe 271.441	487.835	473.915	488.237
K 766.491	40784.9x	40845.2x	40679.7x
Mg 279.078	367.466	364.565	368.419
Mn 257.610	0.5353	0.5694	0.5423
Mo 202.032	-0.4840u	0.5983	0.6845
Na 330.237	98324.3x	98758.8x	97662.0x
Ni 231.604	1.0256	2.4107	1.3755
Pb 220.353	1.0394	0.3654	-0.4195u
Sb 206.834	0.8319	-0.0342u	-1.9087u
Se 196.026	3.7657	-9.8532u	-3.0297u
Sn 189.925	1.0680	3.2286	-0.9491u
Sr 216.596	0.0255	0.1299	0.1828
Ti 334.941	0.9196	0.8375	0.8561
Tl 190.794	-1.9429u	2.2495	-1.7518u
V 292.401	0.1364	0.1814	0.1240
Zn 206.200	29582.3x	29575.2x	29511.1x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2999b	ppb	0.1722	57.4	-13.5253
Al 308.215	358.945b	ppb	2.9106	0.8	2854.26
As 188.980	5.7830b	ppb	3.6650	63.4	-1.2699
B 249.678	7.5819b	ppb	0.3259	4.3	213.104
Ba 389.178	0.0853b	ppb	0.1459	170.9	-33.7546
Be 313.042	0.0453b	ppb	0.0136	30.0	-3422.78
Ca 370.602	374.1b	ppb	4.623	1.2	1839
Cd 226.502	0.1294b	ppb	0.0703	54.4	33.0105
Co 228.615	0.0917b	ppb	0.6625	722.2	-16.3527
Cr 267.716	0.1254b	ppb	0.1101	87.8	5.7053
Cu 324.754	0.8517b	ppb	0.2025	23.8	262.302
Fe 271.441	483.329b	ppb	8.1555	1.7	661.277
K 766.491	40769.9xb	ppb	83.7968	0.2	5570955
Mg 279.078	366.817b	ppb	2.0072	0.5	1068.18
Mn 257.610	0.5490b	ppb	0.0180	3.3	120.952
Mo 202.032	0.2663b	ppb	0.6512	244.6	8.3211
Na 330.237	98248.4xb	ppb	552.318	0.6	6618.23
Ni 231.604	1.6040b	ppb	0.7203	44.9	10.9103
Pb 220.353	0.3285b	ppb	0.7302	222.3	2.4527
Sb 206.834	-0.3703b	ppb	1.4009	378.3	8.0525
Se 196.026	-3.0391b	ppb	6.8095	224.1	6.3244

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	1.1158b	ppb	2.0893	187.2	-9.0322
Sr 216.596	0.1127b	ppb	0.0800	71.0	8.7146
Ti 334.941	0.8711b	ppb	0.0430	4.9	297.618
Tl 190.794	-0.4818b	ppb	2.3672	491.4	-10.8843
V 292.401	0.1473b	ppb	0.0302	20.5	14.1727
Zn 206.200	29556.2xb	ppb	39.2230	0.1	95704.1

Cont Calib Verif (CCV) **6/17/2014, 5:37:28 PM** **Rack 1, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	494.318	497.807	494.955
Al 308.215	4834.52	4822.66	4822.16
As 188.980	486.742	491.424	481.310
B 249.678	489.558	490.110	489.849
Ba 389.178	4950.32	4935.07	4942.15
Be 313.042	494.357	494.508	494.227
Ca 370.602	5016	5002	5001
Cd 226.502	497.616	496.378	495.986
Co 228.615	502.468	498.747	499.604
Cr 267.716	4946.69	4937.34	4932.04
Cu 324.754	5004.41	5008.34	4989.19
Fe 271.441	4975.33	4944.60	4954.97
K 766.491	9859.55	9858.66	9844.99
Mg 279.078	4934.85	4936.14	4921.65
Mn 257.610	5019.63	5029.43	5027.19
Mo 202.032	496.264	495.445	495.093
Na 330.237	7278.77	7096.21	7368.04
Ni 231.604	2476.51	2488.62	2485.31
Pb 220.353	498.970	497.512	494.314
Sb 206.834	969.113	964.132	953.762
Se 196.026	4917.91	4911.98	4928.15
Sn 189.925	4957.38	5008.25	4908.21
Sr 216.596	2429.19	2415.15	2414.16
Ti 334.941	489.808	488.839	488.506
Tl 190.794	4991.97	4988.57	4976.94
V 292.401	4956.82	4950.45	4949.02
Zn 206.200	2489.64	2485.43	2483.45

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.694	ppb	1.8579	0.4	29462.2	99.13872
Al 308.215	4826.45	ppb	6.9948	0.1	33800.0	96.52892
As 188.980	486.492	ppb	5.0615	1.0	309.415	97.29838
B 249.678	489.839	ppb	0.2760	0.1	8363.67	97.96782
Ba 389.178	4942.51	ppb	7.6318	0.2	134992	98.85030
Be 313.042	494.364	ppb	0.1406	0.0	1544220	98.87273
Ca 370.602	5006	ppb	8.445	0.2	24989	100.12483
Cd 226.502	496.660	ppb	0.8512	0.2	20804.6	99.33198
Co 228.615	500.273	ppb	1.9491	0.4	5217.62	100.05457
Cr 267.716	4938.69	ppb	7.4193	0.2	173968	98.77385
Cu 324.754	5000.65	ppb	10.1134	0.2	277141	100.01293
Fe 271.441	4958.30	ppb	15.6333	0.3	6436.15	99.16601

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9854.40	ppb	8.1637	0.1	1348191	98.54398
Mg 279.078	4930.88	ppb	8.0205	0.2	13874.6	98.61765
Mn 257.610	5025.42	ppb	5.1335	0.1	929375	100.50831
Mo 202.032	495.601	ppb	0.6010	0.1	3785.94	99.12018
Na 330.237	7247.68	ppb	138.558	1.9	569.983	96.63568
Ni 231.604	2483.48	ppb	6.2586	0.3	9575.51	99.33910
Pb 220.353	496.932	ppb	2.3818	0.5	719.401	99.38641
Sb 206.834	962.336	ppb	7.8316	0.8	1096.96	96.23355
Se 196.026	4919.34	ppb	8.1800	0.2	2257.69	98.38686
Sn 189.925	4957.94	ppb	50.0264	1.0	3924.66	99.15890
Sr 216.596	2419.50	ppb	8.4072	0.3	26344.2	96.77999
Ti 334.941	489.051	ppb	0.6764	0.1	220686	97.81013
Tl 190.794	4985.83	ppb	7.8827	0.2	3653.44	99.71655
V 292.401	4952.09	ppb	4.1531	0.1	205709	99.04188
Zn 206.200	2486.17	ppb	3.1595	0.1	8032.88	99.44689

Cont Calib Blank (CCB) **6/17/2014, 5:41:55 PM** **Rack 1, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.3329	-0.2272u	0.6062
Al 308.215	1.4439	1.6413	0.6403
As 188.980	4.0095	7.4930	-1.6090u
B 249.678	4.5053	4.7610	3.7303
Ba 389.178	0.6268	0.3931	0.4680
Be 313.042	0.1149	0.1171	0.1287
Ca 370.602	1.642	6.801	5.165
Cd 226.502	0.2740	0.0654	0.0901
Co 228.615	-0.0960u	0.5977	0.2959
Cr 267.716	0.3085	0.1459	0.5221
Cu 324.754	0.8520	0.6613	0.7274
Fe 271.441	5.7378	3.9077	3.4838
K 766.491	1.6562	1.7160	1.4680
Mg 279.078	3.9501	4.1896	2.1917
Mn 257.610	0.5464	0.5212	0.5163
Mo 202.032	0.3510	0.4049	0.6549
Na 330.237	121.757	25.6295	164.333
Ni 231.604	0.8415	0.6314	2.0369
Pb 220.353	-1.5033u	1.1850	1.8849
Sb 206.834	-1.9689u	-4.7387u	-1.3949u
Se 196.026	6.1788	3.6093	-4.9527u
Sn 189.925	2.5752	1.5375	2.7221
Sr 216.596	-0.1753u	0.3069	0.1437
Ti 334.941	0.1926	0.1528	0.2353
Tl 190.794	-0.8282u	-3.1948u	-0.1531u
V 292.401	0.3650	0.3886	0.7265
Zn 206.200	0.7953	0.6747	-0.3508u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2373	ppb	0.4248	179.0	-17.1869	0.23730
Al 308.215	1.2418	ppb	0.5302	42.7	403.793	1.24181
As 188.980	3.2978	ppb	4.5925	139.3	-2.8710	3.29782

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	4.3322	ppb	0.5367	12.4	158.502	4.33218
Ba 389.178	0.4960	ppb	0.1193	24.1	-24.8243	0.49600
Be 313.042	0.1202	ppb	0.0074	6.1	-3169.99	0.12024
Ca 370.602	4.536	ppb	2.636	58.1	4.795	4.53619
Cd 226.502	0.1432	ppb	0.1140	79.6	32.4424	0.14316
Co 228.615	0.2659	ppb	0.3478	130.8	-14.6041	0.26585
Cr 267.716	0.3255	ppb	0.1887	58.0	11.8742	0.32552
Cu 324.754	0.7469	ppb	0.0968	13.0	256.913	0.74690
Fe 271.441	4.3764	ppb	1.1979	27.4	50.9406	4.37642
K 766.491	1.6134	ppb	0.1294	8.0	2396.76	1.61341
Mg 279.078	3.4438	ppb	1.0910	31.7	48.9018	3.44379
Mn 257.610	0.5279	ppb	0.0162	3.1	113.343	0.52795
Mo 202.032	0.4702	ppb	0.1622	34.5	9.9315	0.47024
Na 330.237	103.906	ppb	71.0539	68.4	108.518	103.90646
Ni 231.604	1.1699	ppb	0.7581	64.8	9.1725	1.16993
Pb 220.353	0.5222	ppb	1.7887	342.6	2.7603	0.52216
Sb 206.834	-2.7008	ppb	1.7881	66.2	5.4843	-2.70080
Se 196.026	1.6118	ppb	5.8284	361.6	8.4354	1.61181
Sn 189.925	2.2782	ppb	0.6457	28.3	-8.1422	2.27825
Sr 216.596	0.0918	ppb	0.2452	267.2	7.8903	0.09179
Ti 334.941	0.1936	ppb	0.0413	21.3	2.7462	0.19355
Tl 190.794	-1.3920	ppb	1.5973	114.7	-11.5187	-1.39201
V 292.401	0.4934	ppb	0.2022	41.0	29.3977	0.49341
Zn 206.200	0.3730	ppb	0.6298	168.8	2.6933	0.37305

490-55171-B-1-A^5 (Samp) **6/17/2014, 5:46:22 PM** **Rack 1, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-10.2717u	-10.4608u	-9.8302u
Al 308.215	46712.5	46240.9	44736.8
As 188.980	39.2178	36.2406	42.2626
B 249.678	24.2231	23.8703	23.2420
Ba 389.178	-47.1419u	-47.0364u	-45.2236u
Be 313.042	7.1699	7.0982	6.8916
Ca 370.602	27390	27086	26279
Cd 226.502	11.0597	10.8894	10.6866
Co 228.615	108.687	107.873	104.432
Cr 267.716	4.5026	4.3992	4.2436
Cu 324.754	1675.42	1673.34	1614.60
Fe 271.441	1648.01	1634.06	1575.71
K 766.491	28542.9	28289.6	27375.1
Mg 279.078	11326.1	11195.4	10859.0
Mn 257.610	750.899	743.515	719.962
Mo 202.032	1.4055	1.0385	0.5673
Na 330.237	55989.0	55253.2	53947.2
Ni 231.604	31.9895	31.2637	31.7538
Pb 220.353	57.9296	55.4080	53.5224
Sb 206.834	-3.1455u	-5.4905u	-6.0800u
Se 196.026	2.9217	-6.8612u	-4.0612u
Sn 189.925	5.5267	4.9069	3.1654
Sr 216.596	229.242	226.535	219.537

Label	Replicates Concentration		
Ti 334.941	0.4351	0.4018	0.4530
Tl 190.794	1.3008	2.3308	1.8743
V 292.401	2.7770	2.6608	2.5510
Zn 206.200	3620.37	3569.55	3464.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-10.1876	ppb	0.3236	3.2	-633.904
Al 308.215	45896.8	ppb	1031.85	2.2	314820
As 188.980	39.2403	ppb	3.0110	7.7	20.3355
B 249.678	23.7785	ppb	0.4969	2.1	485.412
Ba 389.178	-46.4673	ppb	1.0784	2.3	-1267.63
Be 313.042	7.0532	ppb	0.1445	2.0	18520.0
Ca 370.602	26918	ppb	573.8	2.1	134143
Cd 226.502	10.8786	ppb	0.1868	1.7	486.907
Co 228.615	106.998	ppb	2.2586	2.1	1102.98
Cr 267.716	4.3818	ppb	0.1304	3.0	155.702
Cu 324.754	1654.45	ppb	34.5313	2.1	91835.1
Fe 271.441	1619.26	ppb	38.3591	2.4	2118.90
K 766.491	28069.2	ppb	614.263	2.2	3836155
Mg 279.078	11126.8	ppb	241.016	2.2	31284.8
Mn 257.610	738.125	ppb	16.1574	2.2	136600
Mo 202.032	1.0038	ppb	0.4202	41.9	13.8220
Na 330.237	55063.1	ppb	1034.06	1.9	3797.46
Ni 231.604	31.6690	ppb	0.3703	1.2	126.816
Pb 220.353	55.6200	ppb	2.2112	4.0	79.2633
Sb 206.834	-4.9053	ppb	1.5523	31.6	3.0810
Se 196.026	-2.6669	ppb	5.0383	188.9	6.8380
Sn 189.925	4.5330	ppb	1.2242	27.0	-6.3363
Sr 216.596	225.105	ppb	5.0082	2.2	2477.52
Ti 334.941	0.4300	ppb	0.0260	6.0	137.337
Tl 190.794	1.8353	ppb	0.5161	28.1	-9.5916
V 292.401	2.6629	ppb	0.1131	4.2	119.236
Zn 206.200	3551.47	ppb	79.5063	2.2	11501.1

MB 680-332949/1-A (Samp) **6/17/2014, 5:50:49 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1066u	0.1659	0.3504
Al 308.215	2.0682	0.3660	1.0564
As 188.980	1.3314	2.9201	3.3175
B 249.678	0.7364	1.0451	0.2446
Ba 389.178	-0.0651u	-0.0189u	0.0835
Be 313.042	0.0833	0.1053	0.0913
Ca 370.602	7.597	4.504	7.201
Cd 226.502	0.2949	0.1584	0.1147
Co 228.615	0.3506	-0.2054u	0.6355
Cr 267.716	0.1737	-0.1917u	-0.0845u
Cu 324.754	0.2945	0.0611	0.5915
Fe 271.441	5.5979	-2.5156u	10.4741
K 766.491	3.4379	2.7571	2.6552
Mg 279.078	-0.3764u	1.9678	6.2339

Label	Replicates Concentration		
Mn 257.610	0.2413	0.2943	0.2006
Mo 202.032	0.4899	0.2129	0.1527
Na 330.237	71.5938	-30.4529u	138.406
Ni 231.604	0.9261	1.3737	-0.2993u
Pb 220.353	2.4218	-1.7149u	2.3442
Sb 206.834	-1.9004u	0.1520	-4.9457u
Se 196.026	-6.0040u	0.3844	3.9059
Sn 189.925	2.5677	1.4583	2.6733
Sr 216.596	-0.0460u	-0.3241u	0.2860
Ti 334.941	0.1199	0.0909	0.0964
Tl 190.794	-6.4372u	-4.0450u	-4.4418u
V 292.401	0.2401	-0.1783u	-0.1306u
Zn 206.200	0.3441	0.8407	0.3530

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1366	ppb	0.2299	168.3	-23.1746
Al 308.215	1.1636	ppb	0.8562	73.6	403.215
As 188.980	2.5230	ppb	1.0509	41.7	-3.3716
B 249.678	0.6754	ppb	0.4037	59.8	96.7845
Ba 389.178	-0.0002	ppb	0.0760	42539.6	-38.3869
Be 313.042	0.0933	ppb	0.0112	12.0	-3254.31
Ca 370.602	6.434	ppb	1.683	26.2	14.28
Cd 226.502	0.1893	ppb	0.0940	49.7	34.3618
Co 228.615	0.2602	ppb	0.4277	164.4	-14.6608
Cr 267.716	-0.0342	ppb	0.1878	549.5	-0.7946
Cu 324.754	0.3157	ppb	0.2658	84.2	233.031
Fe 271.441	4.5188	ppb	6.5618	145.2	51.1311
K 766.491	2.9501	ppb	0.4255	14.4	2579.33
Mg 279.078	2.6084	ppb	3.3514	128.5	46.5620
Mn 257.610	0.2454	ppb	0.0470	19.1	61.0811
Mo 202.032	0.2852	ppb	0.1798	63.1	8.5194
Na 330.237	59.8490	ppb	85.0398	142.1	105.555
Ni 231.604	0.6668	ppb	0.8661	129.9	7.2336
Pb 220.353	1.0171	ppb	2.3663	232.7	3.4726
Sb 206.834	-2.2314	ppb	2.5649	114.9	6.0020
Se 196.026	-0.5712	ppb	5.0236	879.5	7.4374
Sn 189.925	2.2331	ppb	0.6731	30.1	-8.1780
Sr 216.596	-0.0280	ppb	0.3054	1089.4	6.6066
Ti 334.941	0.1024	ppb	0.0154	15.0	-38.4057
Tl 190.794	-4.9747	ppb	1.2820	25.8	-14.1475
V 292.401	-0.0229	ppb	0.2290	998.3	7.9653
Zn 206.200	0.5126	ppb	0.2842	55.4	3.1463

LCS 680-332949/2-A (Samp) **6/17/2014, 5:57:27 PM** **Rack 1, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	56.1420	55.4538	56.2538
Al 308.215	5138.08	5117.11	5141.52
As 188.980	110.753	111.743	103.598
B 249.678	208.645	207.270	207.301
Ba 389.178	105.857	104.806	105.150

Label	Replicates Concentration		
Be 313.042	54.5681	54.3751	54.4455
Ca 370.602	5302	5273	5290
Cd 226.502	54.5059	53.8925	54.0309
Co 228.615	54.2252	54.3366	54.7273
Cr 267.716	108.315	108.097	108.421
Cu 324.754	110.708	110.940	113.547
Fe 271.441	5280.70	5244.48	5250.83
K 766.491	5222.43	5204.82	5212.58
Mg 279.078	5251.77	5225.98	5242.69
Mn 257.610	556.779	553.831	554.655
Mo 202.032	107.852	106.789	108.252
Na 330.237	5284.03	5463.25	5153.57
Ni 231.604	109.229	108.455	107.323
Pb 220.353	52.9009	51.5944	58.8427
Sb 206.834	50.2269	49.1971	47.4355
Se 196.026	109.322	113.745	104.768
Sn 189.925	221.842	220.388	221.360
Sr 216.596	103.628	102.816	104.294
Ti 334.941	106.133	105.705	105.962
Tl 190.794	43.5217	37.6249	41.7048
V 292.401	109.217	108.996	108.725
Zn 206.200	106.916	107.459	108.441

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	55.9499	ppb	0.4332	0.8	3295.50
Al 308.215	5132.23	ppb	13.2133	0.3	35569.2
As 188.980	108.698	ppb	4.4444	4.1	65.2093
B 249.678	207.739	ppb	0.7849	0.4	3587.71
Ba 389.178	105.271	ppb	0.5360	0.5	2866.48
Be 313.042	54.4629	ppb	0.0977	0.2	166783
Ca 370.602	5288	ppb	14.40	0.3	26279
Cd 226.502	54.1431	ppb	0.3217	0.6	2308.60
Co 228.615	54.4297	ppb	0.2637	0.5	552.126
Cr 267.716	108.278	ppb	0.1651	0.2	3814.64
Cu 324.754	111.732	ppb	1.5764	1.4	6397.46
Fe 271.441	5258.67	ppb	19.3395	0.4	6752.24
K 766.491	5213.28	ppb	8.8252	0.2	714259
Mg 279.078	5240.15	ppb	13.0811	0.2	14742.6
Mn 257.610	555.088	ppb	1.5214	0.3	102718
Mo 202.032	107.631	ppb	0.7561	0.7	827.291
Na 330.237	5300.29	ppb	155.479	2.9	453.654
Ni 231.604	108.336	ppb	0.9585	0.9	422.416
Pb 220.353	54.4460	ppb	3.8633	7.1	79.8727
Sb 206.834	48.9532	ppb	1.4116	2.9	60.8596
Se 196.026	109.279	ppb	4.4888	4.1	57.9289
Sn 189.925	221.197	ppb	0.7407	0.3	165.592
Sr 216.596	103.579	ppb	0.7406	0.7	1139.56
Ti 334.941	105.933	ppb	0.2151	0.2	47748.6
Tl 190.794	40.9505	ppb	3.0199	7.4	19.4193
V 292.401	108.979	ppb	0.2463	0.2	4510.04
Zn 206.200	107.605	ppb	0.7733	0.7	349.678

640-48103-C-4-A (Samp) **6/17/2014, 6:02:05 PM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5237u	-0.4013u	-0.4286u
Al 308.215	193.213	193.636	194.483
As 188.980	-4.0657u	1.5118	-0.6990u
B 249.678	1919.66	1922.67	1925.79
Ba 389.178	24.7956	24.6051	24.0079
Be 313.042	0.1050u	0.1136u	0.1255u
Ca 370.602	168214	167744	167506
Cd 226.502	0.5102u	0.1797u	0.2176u
Co 228.615	0.2284	-0.5265u	0.3927
Cr 267.716	-0.0657	-0.6121	-0.4749
Cu 324.754	2.2870u	2.3430u	1.8749u
Fe 271.441	215.450	199.893	195.466
K 766.491	263855x	264133x	264566x
Mg 279.078	486375	485175	482803
Mn 257.610	15.8086	15.8276	15.7511
Mo 202.032	3.5790	3.1341	4.6632
Na 330.237	5531147x	5526193x	5525038x
Ni 231.604	8.8397	6.0108	9.6420
Pb 220.353	4.2385	4.2456	3.7595
Sb 206.834	-9.0801u	-3.3459u	-8.9831u
Se 196.026	12.6979	-0.1787	6.8908
Sn 189.925	-7.9036u	-4.3344u	-7.5362u
Sr 216.596	2818.83	2815.33	2807.28
Ti 334.941	-0.1338	-0.1809	-0.1870
Tl 190.794	-14.5590u	-13.8292u	-17.9981u
V 292.401	4.8027	5.0812	4.8539
Zn 206.200	0.9119	1.4149	0.2248

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4512b	ppb	0.0642	14.2	-64.0443
Al 308.215	193.777b	ppb	0.6465	0.3	1723.24
As 188.980	-1.0843b	ppb	2.8086	259.0	-5.7029
B 249.678	1922.71b	ppb	3.0640	0.2	32533.6
Ba 389.178	24.4695b	ppb	0.4109	1.7	2203.22
Be 313.042	0.1147b	ppb	0.0103	9.0	-4069.28
Ca 370.602	167821b	ppb	360.5	0.2	836588
Cd 226.502	0.3025b	ppb	0.1808	59.8	16.5051
Co 228.615	0.0315b	ppb	0.4902	1555.7	-16.9366
Cr 267.716	-0.3843b	ppb	0.2843	74.0	49.5278
Cu 324.754	2.1683b	ppb	0.2556	11.8	151.080
Fe 271.441	203.603b	ppb	10.4958	5.2	304.900
K 766.491	264185xb	ppb	358.111	0.1	36087240
Mg 279.078	484784b	ppb	1817.61	0.4	1361561
Mn 257.610	15.7958b	ppb	0.0398	0.3	6587.00
Mo 202.032	3.7921b	ppb	0.7865	20.7	35.2660
Na 330.237	5527459xb	ppb	3245.22	0.1	372414
Ni 231.604	8.1641b	ppb	1.9075	23.4	36.1354
Pb 220.353	4.0812b	ppb	0.2786	6.8	7.8648
Sb 206.834	-7.1364b	ppb	3.2830	46.0	0.5395
Se 196.026	6.4700b	ppb	6.4486	99.7	11.8100

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	-6.5914b	ppb	1.9632	29.8	-13.5543
Sr 216.596	2813.82b	ppb	5.9237	0.2	30832.9
Ti 334.941	-0.1672b	ppb	0.0291	17.4	548.026
Tl 190.794	-15.4621b	ppb	2.2263	14.4	-21.8459
V 292.401	4.9126b	ppb	0.1483	3.0	163.583
Zn 206.200	0.8505b	ppb	0.5974	70.2	4.2412

640-48127-C-1-A (Samp) **6/17/2014, 6:06:43 PM** **Rack 1, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	0.5196	-0.1150u	0.2062
Al 308.215	3.3035	5.1001	2.2361
As 188.980	3.1624	-0.0167u	-1.4550u
B 249.678	36.1846	35.4692	34.7657
Ba 389.178	0.0357	0.0503	-0.4475u
Be 313.042	0.0443	0.0561	0.0846
Ca 370.602	70073	69974	70010
Cd 226.502	-0.0624u	0.0495	0.1616
Co 228.615	0.3072	0.4396	0.0202
Cr 267.716	1.4077	1.1704	1.1622
Cu 324.754	8.3620	8.5462	8.8874
Fe 271.441	-29.6183u	-37.5153u	-32.9747u
K 766.491	407.356	406.642	405.483
Mg 279.078	866.383	859.657	854.427
Mn 257.610	0.2542	0.2643	0.2290
Mo 202.032	0.8956	0.8244	0.5877
Na 330.237	6416.92	6650.83	6450.11
Ni 231.604	-0.9623u	1.5853	-0.4678u
Pb 220.353	4.1631	4.9977	2.1203
Sb 206.834	0.6012	0.2629	-3.4160u
Se 196.026	-4.0834u	10.2144	-0.3634
Sn 189.925	0.3502	1.3361	3.1227
Sr 216.596	53.9428	53.8160	53.9651
Ti 334.941	0.2595	0.2252	0.2235
Tl 190.794	1.3232	-0.9947u	-7.4858u
V 292.401	2.0393	1.8395	2.0262
Zn 206.200	5.1254	4.9757	4.5462

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2036	ppb	0.3173	155.8	-19.2816
Al 308.215	3.5466	ppb	1.4474	40.8	419.695
As 188.980	0.5636	ppb	2.3627	419.2	-4.6371
B 249.678	35.4731	ppb	0.7094	2.0	684.122
Ba 389.178	-0.1205	ppb	0.2833	235.1	-38.9670
Be 313.042	0.0616	ppb	0.0208	33.7	-3315.75
Ca 370.602	70019	ppb	50.07	0.1	349034
Cd 226.502	0.0496	ppb	0.1120	226.0	28.3712
Co 228.615	0.2557	ppb	0.2144	83.9	-14.7191
Cr 267.716	1.2468	ppb	0.1394	11.2	44.3913
Cu 324.754	8.5985	ppb	0.2666	3.1	614.854
Fe 271.441	-33.3694	ppb	3.9633	11.9	2.8609

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	406.494	ppb	0.9451	0.2	57699.5
Mg 279.078	860.156	ppb	5.9936	0.7	2455.08
Mn 257.610	0.2492	ppb	0.0181	7.3	68.8328
Mo 202.032	0.7693	ppb	0.1612	21.0	12.2174
Na 330.237	6505.95	ppb	126.562	1.9	539.744
Ni 231.604	0.0517	ppb	1.3509	2611.9	4.8615
Pb 220.353	3.7603	ppb	1.4804	39.4	7.4217
Sb 206.834	-0.8506	ppb	2.2281	261.9	7.5214
Se 196.026	1.9225	ppb	7.4179	385.8	9.0530
Sn 189.925	1.6030	ppb	1.4054	87.7	-8.6762
Sr 216.596	53.9080	ppb	0.0804	0.1	619.222
Ti 334.941	0.2360	ppb	0.0203	8.6	23.5443
Tl 190.794	-2.3857	ppb	4.5663	191.4	-12.2443
V 292.401	1.9683	ppb	0.1117	5.7	90.5910
Zn 206.200	4.8825	ppb	0.3007	6.2	17.2899

640-48127-C-2-A (Samp) **6/17/2014, 6:11:22 PM** **Rack 1, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-0.7154u	0.2986	0.0325
Al 308.215	12.2635	10.4119	11.5245
As 188.980	-2.6795u	0.9515	-2.4023u
B 249.678	31.1809	30.3844	30.8562
Ba 389.178	3.4358	2.0477	3.5983
Be 313.042	0.0710	0.0580	0.0634
Ca 370.602	104677	104688	104776
Cd 226.502	0.0360	0.2439	0.0567
Co 228.615	0.2507	0.3184	0.4786
Cr 267.716	0.3560	0.6320	0.9336
Cu 324.754	3.4445	3.4886	3.6024
Fe 271.441	-35.4766u	-34.6997u	-33.9917u
K 766.491	1608.22	1603.18	1601.01
Mg 279.078	2018.32	2014.47	2010.45
Mn 257.610	0.7773	0.7474	0.7363
Mo 202.032	0.7649	1.0181	0.7097
Na 330.237	5084.01	5162.98	5108.56
Ni 231.604	0.9881	1.4562	-0.6630u
Pb 220.353	0.6290	1.4926	-0.3922u
Sb 206.834	-2.2821u	0.9186	-0.6911u
Se 196.026	13.4088	3.2603	-5.8328u
Sn 189.925	4.5697	0.7479	-1.4819u
Sr 216.596	113.714	114.660	113.963
Ti 334.941	0.4882	0.4840	0.4524
Tl 190.794	-4.3586u	-8.1097u	-6.3038u
V 292.401	1.8510	2.2532	1.8749
Zn 206.200	116.323	119.837	117.989

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1281	ppb	0.5258	410.4	-39.0500
Al 308.215	11.3999	ppb	0.9320	8.2	473.501
As 188.980	-1.3768	ppb	2.0211	146.8	-5.8906

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	30.8072	ppb	0.4005	1.3	605.393
Ba 389.178	3.0273	ppb	0.8522	28.2	50.7447
Be 313.042	0.0641	ppb	0.0065	10.2	-3289.04
Ca 370.602	104714	ppb	53.86	0.1	521993
Cd 226.502	0.1122	ppb	0.1146	102.1	31.0085
Co 228.615	0.3492	ppb	0.1170	33.5	-13.7349
Cr 267.716	0.6405	ppb	0.2889	45.1	23.0130
Cu 324.754	3.5118	ppb	0.0815	2.3	294.928
Fe 271.441	-34.7227	ppb	0.7427	2.1	1.2031
K 766.491	1604.14	ppb	3.6976	0.2	221286
Mg 279.078	2014.42	ppb	3.9372	0.2	5696.84
Mn 257.610	0.7537	ppb	0.0212	2.8	171.207
Mo 202.032	0.8309	ppb	0.1645	19.8	12.6879
Na 330.237	5118.52	ppb	40.4130	0.8	445.899
Ni 231.604	0.5938	ppb	1.1133	187.5	6.9505
Pb 220.353	0.5765	ppb	0.9435	163.7	2.8378
Sb 206.834	-0.6848	ppb	1.6004	233.7	7.6977
Se 196.026	3.6121	ppb	9.6256	266.5	10.0615
Sn 189.925	1.2786	ppb	3.0605	239.4	-8.9340
Sr 216.596	114.112	ppb	0.4905	0.4	1288.88
Ti 334.941	0.4749	ppb	0.0196	4.1	134.611
Tl 190.794	-6.2574	ppb	1.8760	30.0	-15.0840
V 292.401	1.9930	ppb	0.2256	11.3	91.6976
Zn 206.200	118.050	ppb	1.7576	1.5	383.726

640-48127-C-3-A (Samp) **6/17/2014, 6:16:01 PM** **Rack 1, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.3270u	0.4590	0.5856
Al 308.215	4.8084	7.3191	7.5447
As 188.980	-3.4767u	3.6950	-1.7057u
B 249.678	36.3755	37.2293	37.2342
Ba 389.178	-0.1563u	0.0154	-1.3965u
Be 313.042	0.0809	0.0725	0.0896
Ca 370.602	54760	54753	54801
Cd 226.502	-0.0724u	0.0237	-0.0209u
Co 228.615	0.3444	0.4258	0.4394
Cr 267.716	1.0388	1.4497	1.1750
Cu 324.754	23.0885	23.0232	22.6277
Fe 271.441	-17.4267u	-14.2393u	-23.7232u
K 766.491	201.553	201.414	201.746
Mg 279.078	703.847	711.996	706.866
Mn 257.610	0.4121	0.3200	0.3494
Mo 202.032	0.7273	1.1438	0.5107
Na 330.237	8848.67	9064.67	8833.86
Ni 231.604	1.0596	1.0171	0.8976
Pb 220.353	0.9534	4.5964	1.6581
Sb 206.834	1.2833	-5.8500u	-4.3983u
Se 196.026	2.1743	6.6444	13.8319
Sn 189.925	0.1955	4.2351	0.6457
Sr 216.596	37.8633	38.0789	39.0292

Label	Replicates Concentration		
Ti 334.941	0.2881	0.2477	0.3047
Tl 190.794	-1.5343u	-1.3124u	-1.2108u
V 292.401	2.4821	2.5794	2.5628
Zn 206.200	59.3665	59.3592	59.2348

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2392	ppb	0.4944	206.7	-17.1435
Al 308.215	6.5574	ppb	1.5189	23.2	440.353
As 188.980	-0.4958	ppb	3.7358	753.4	-5.3217
B 249.678	36.9463	ppb	0.4944	1.3	708.919
Ba 389.178	-0.5125	ppb	0.7704	150.3	-50.1312
Be 313.042	0.0810	ppb	0.0085	10.6	-3263.79
Ca 370.602	54771	ppb	26.02	0.0	273024
Cd 226.502	-0.0232	ppb	0.0481	207.4	25.3724
Co 228.615	0.4032	ppb	0.0513	12.7	-13.1731
Cr 267.716	1.2212	ppb	0.2093	17.1	43.5095
Cu 324.754	22.9131	ppb	0.2494	1.1	1424.58
Fe 271.441	-18.4631	ppb	4.8261	26.1	21.9194
K 766.491	201.571	ppb	0.1668	0.1	29709.0
Mg 279.078	707.570	ppb	4.1198	0.6	2026.50
Mn 257.610	0.3605	ppb	0.0470	13.0	88.1460
Mo 202.032	0.7939	ppb	0.3217	40.5	12.4036
Na 330.237	8915.74	ppb	129.196	1.4	701.865
Ni 231.604	0.9914	ppb	0.0840	8.5	8.4837
Pb 220.353	2.4026	ppb	1.9322	80.4	5.4668
Sb 206.834	-2.9883	ppb	3.7699	126.2	5.1690
Se 196.026	7.5502	ppb	5.8813	77.9	11.5223
Sn 189.925	1.6921	ppb	2.2138	130.8	-8.6048
Sr 216.596	38.3238	ppb	0.6203	1.6	443.807
Ti 334.941	0.2801	ppb	0.0293	10.5	42.7764
Tl 190.794	-1.3525	ppb	0.1655	12.2	-11.4859
V 292.401	2.5414	ppb	0.0520	2.0	114.445
Zn 206.200	59.3202	ppb	0.0740	0.1	193.559

640-48127-C-4-A (Samp) **6/17/2014, 6:20:40 PM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4311	0.3897	-0.2987u
Al 308.215	12.6529	12.0978	10.6441
As 188.980	-7.6800u	-7.5425u	1.7002
B 249.678	23.2724	24.3562	24.0891
Ba 389.178	1.4186	2.6198	2.3792
Be 313.042	0.0643	0.0808	0.0593
Ca 370.602	88709	89032	88806
Cd 226.502	0.0594	0.0122	-0.0081
Co 228.615	0.5427	0.4716	0.3226
Cr 267.716	0.5236	0.6211	0.3342
Cu 324.754	1.4102u	1.0852u	1.4721u
Fe 271.441	151.846	156.196	159.296
K 766.491	2112.00	2112.03	2117.49
Mg 279.078	8379.94	8411.79	8395.10

Label	Replicates Concentration		
Mn 257.610	13.9459	13.9299	13.9504
Mo 202.032	1.8327	2.0018	2.1023
Na 330.237	18723.1	18804.8	18992.2
Ni 231.604	2.2377	2.2460	0.8611
Pb 220.353	2.0711	5.7884	1.4824
Sb 206.834	-3.9731u	-1.2465u	-5.1863u
Se 196.026	3.7509	-9.0368u	-1.2473
Sn 189.925	-0.9368u	1.1673	-2.0668u
Sr 216.596	773.756	781.022	775.058
Ti 334.941	0.3354	0.3184	0.3004
Tl 190.794	-12.4900u	-2.7543u	-7.0969u
V 292.401	5.4327	5.4559	5.4037
Zn 206.200	3.5644	3.9724	3.4397

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1741	ppb	0.4099	235.5	-21.1082
Al 308.215	11.7982	ppb	1.0373	8.8	476.523
As 188.980	-4.5075	ppb	5.3764	119.3	-7.9147
B 249.678	23.9059	ppb	0.5647	2.4	488.712
Ba 389.178	2.1392	ppb	0.6356	29.7	47.6290
Be 313.042	0.0681	ppb	0.0112	16.5	-3286.82
Ca 370.602	88849	ppb	165.9	0.2	442902
Cd 226.502	0.0212	ppb	0.0346	163.5	27.9032
Co 228.615	0.4456	ppb	0.1124	25.2	-12.7466
Cr 267.716	0.4930	ppb	0.1459	29.6	17.9290
Cu 324.754	1.3225	ppb	0.2079	15.7	191.070
Fe 271.441	155.779	ppb	3.7423	2.4	243.963
K 766.491	2113.84	ppb	3.1624	0.1	290907
Mg 279.078	8395.61	ppb	15.9313	0.2	23618.0
Mn 257.610	13.9421	ppb	0.0108	0.1	2658.62
Mo 202.032	1.9789	ppb	0.1362	6.9	21.4283
Na 330.237	18840.0	ppb	137.947	0.7	1370.44
Ni 231.604	1.7816	ppb	0.7972	44.7	11.5370
Pb 220.353	3.1139	ppb	2.3348	75.0	6.4858
Sb 206.834	-3.4686	ppb	2.0178	58.2	4.6077
Se 196.026	-2.1777	ppb	6.4444	295.9	7.3140
Sn 189.925	-0.6121	ppb	1.6413	268.2	-10.4304
Sr 216.596	776.612	ppb	3.8741	0.5	8528.83
Ti 334.941	0.3181	ppb	0.0175	5.5	79.6095
Tl 190.794	-7.4471	ppb	4.8773	65.5	-15.9631
V 292.401	5.4308	ppb	0.0262	0.5	234.606
Zn 206.200	3.6588	ppb	0.2786	7.6	13.3371

640-48127-C-5-A (Samp) **6/17/2014, 6:25:20 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2446	0.5346	-0.0662u
Al 308.215	11.3397	11.9370	9.7170
As 188.980	-0.9499u	-1.9401u	0.1865
B 249.678	21.8356	21.7620	21.6268
Ba 389.178	1.8565	2.2431	1.8160

Label	Replicates Concentration		
Be 313.042	0.0577	0.0783	0.0766
Ca 370.602	76342	76344	76216
Cd 226.502	0.0877	0.1896	-0.0101
Co 228.615	0.5689	-0.0000u	0.3906
Cr 267.716	0.5028	0.7370	0.6902
Cu 324.754	1.9231	1.8626	1.7308
Fe 271.441	114.513	112.388	113.641
K 766.491	1208.28	1206.97	1206.15
Mg 279.078	10454.7	10458.1	10439.0
Mn 257.610	7.8338	7.7752	7.7650
Mo 202.032	1.3732	2.2062	1.3556
Na 330.237	9034.98	9054.52	8851.50
Ni 231.604	0.7106	0.6103	1.4680
Pb 220.353	1.8352	-2.5192u	2.6340
Sb 206.834	-6.9568u	-1.9776u	-5.8060u
Se 196.026	3.3049	4.3562	15.7105
Sn 189.925	4.6020	1.8546	1.9839
Sr 216.596	880.385	879.896	877.035
Ti 334.941	0.2464	0.2860	0.2676
Tl 190.794	-2.8338u	-4.2458u	-9.7249u
V 292.401	3.1221	2.9745	3.2011
Zn 206.200	8.9170	8.9938	9.9422

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2376	ppb	0.3005	126.4	-17.3643
Al 308.215	10.9979	ppb	1.1488	10.4	470.881
As 188.980	-0.9012	ppb	1.0642	118.1	-5.5845
B 249.678	21.7415	ppb	0.1059	0.5	452.238
Ba 389.178	1.9719	ppb	0.2357	12.0	49.6034
Be 313.042	0.0709	ppb	0.0114	16.1	-3284.23
Ca 370.602	76301	ppb	73.50	0.1	380348
Cd 226.502	0.0891	ppb	0.0999	112.1	30.6630
Co 228.615	0.3198	ppb	0.2910	91.0	-14.0588
Cr 267.716	0.6433	ppb	0.1239	19.3	23.1417
Cu 324.754	1.8388	ppb	0.0983	5.3	233.501
Fe 271.441	113.514	ppb	1.0685	0.9	190.111
K 766.491	1207.13	ppb	1.0756	0.1	167059
Mg 279.078	10450.6	ppb	10.1704	0.1	29389.7
Mn 257.610	7.7913	ppb	0.0371	0.5	1536.52
Mo 202.032	1.6450	ppb	0.4861	29.5	18.8856
Na 330.237	8980.33	ppb	112.002	1.2	706.322
Ni 231.604	0.9296	ppb	0.4689	50.4	8.2516
Pb 220.353	0.6500	ppb	2.7735	426.7	2.9406
Sb 206.834	-4.9135	ppb	2.6068	53.1	3.0267
Se 196.026	7.7906	ppb	6.8790	88.3	11.7834
Sn 189.925	2.8135	ppb	1.5502	55.1	-7.7148
Sr 216.596	879.106	ppb	1.8095	0.2	9645.60
Ti 334.941	0.2667	ppb	0.0198	7.4	63.0281
Tl 190.794	-5.6015	ppb	3.6401	65.0	-14.6092
V 292.401	3.0993	ppb	0.1150	3.7	137.706
Zn 206.200	9.2843	ppb	0.5710	6.2	31.5502

640-48127-C-6-A (Samp) **6/17/2014, 6:29:59 PM** **Rack 1, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	-0.1573u	-0.0100u	0.0548
Al 308.215	11.9710	11.3556	12.9477
As 188.980	-2.2966u	1.5344	-4.8685u
B 249.678	21.0457	20.4080	21.0358
Ba 389.178	0.6104	1.5203	0.8970
Be 313.042	0.0756	0.0791	0.0721
Ca 370.602	71372	71040	70835
Cd 226.502	0.2455	0.1837	0.0635
Co 228.615	0.0663	0.1996	0.2870
Cr 267.716	0.6591	0.6403	0.7145
Cu 324.754	-0.4743u	-0.5695u	-0.0062u
Fe 271.441	-9.0621u	-14.4158u	-14.5981u
K 766.491	1135.67	1129.92	1128.75
Mg 279.078	8938.82	8883.57	8867.69
Mn 257.610	9.9612	10.0179	9.9435
Mo 202.032	1.6706	1.5969	1.5307
Na 330.237	8961.20	8847.46	8967.19
Ni 231.604	1.7169	0.9996	1.0282
Pb 220.353	5.2619	-1.3199u	1.0332
Sb 206.834	-0.9376u	-3.8977u	-3.6245u
Se 196.026	-6.1404u	0.2932	3.7961
Sn 189.925	-1.1645u	-0.3088u	1.1820
Sr 216.596	686.717	684.827	681.612
Ti 334.941	0.2324	0.2471	0.2604
Tl 190.794	-4.3234u	-5.1010u	-4.4529u
V 292.401	3.5898	3.5844	3.4985
Zn 206.200	1.1197	0.7667	0.8176

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0375	ppb	0.1087	290.0	-33.6653
Al 308.215	12.0914	ppb	0.8028	6.6	478.388
As 188.980	-1.8769	ppb	3.2220	171.7	-6.2137
B 249.678	20.8299	ppb	0.3654	1.8	436.962
Ba 389.178	1.0092	ppb	0.4652	46.1	17.9957
Be 313.042	0.0756	ppb	0.0035	4.6	-3272.07
Ca 370.602	71082	ppb	270.9	0.4	354335
Cd 226.502	0.1642	ppb	0.0925	56.3	33.3352
Co 228.615	0.1843	ppb	0.1111	60.3	-15.4850
Cr 267.716	0.6713	ppb	0.0386	5.7	24.1236
Cu 324.754	-0.3500	ppb	0.3015	86.1	117.979
Fe 271.441	-12.6920	ppb	3.1449	24.8	29.2639
K 766.491	1131.45	ppb	3.7046	0.3	156721
Mg 279.078	8896.69	ppb	37.3348	0.4	25025.7
Mn 257.610	9.9742	ppb	0.0389	0.4	1928.04
Mo 202.032	1.5994	ppb	0.0700	4.4	18.5510
Na 330.237	8925.28	ppb	67.4624	0.8	702.704
Ni 231.604	1.2482	ppb	0.4061	32.5	9.4735
Pb 220.353	1.6584	ppb	3.3351	201.1	4.3940
Sb 206.834	-2.8199	ppb	1.6359	58.0	5.3315
Se 196.026	-0.6837	ppb	5.0398	737.1	7.8710

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	-0.0971	ppb	1.1875	1222.6	-10.0247
Sr 216.596	684.385	ppb	2.5813	0.4	7514.33
Ti 334.941	0.2467	ppb	0.0140	5.7	49.7813
Tl 190.794	-4.6258	ppb	0.4166	9.0	-13.8855
V 292.401	3.5576	ppb	0.0512	1.4	156.716
Zn 206.200	0.9013	ppb	0.1908	21.2	4.4019

Cont Calib Verif (CCV) **6/17/2014, 6:34:38 PM** **Rack 1, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	494.991	493.570	490.260
Al 308.215	4839.42	4823.53	4825.17
As 188.980	485.351	476.229	482.911
B 249.678	486.302	487.302	486.559
Ba 389.178	4953.78	4931.91	4936.26
Be 313.042	494.760	492.442	492.666
Ca 370.602	5012	4985	4982
Cd 226.502	497.764	495.701	495.550
Co 228.615	500.187	500.553	498.385
Cr 267.716	4942.18	4922.85	4922.52
Cu 324.754	5054.98	4987.76	5005.14
Fe 271.441	4968.06	4942.04	4915.69
K 766.491	9875.09	9875.26	9864.91
Mg 279.078	4909.04	4887.56	4884.24
Mn 257.610	5018.48	5014.98	5014.06
Mo 202.032	495.535	495.512	495.348
Na 330.237	7220.69	7233.65	7082.48
Ni 231.604	2485.57	2468.82	2447.47
Pb 220.353	502.531	497.737	503.714
Sb 206.834	980.499	975.708	968.738
Se 196.026	4947.89	4950.85	4952.52
Sn 189.925	4940.63	4925.65	4917.91
Sr 216.596	2413.23	2402.37	2401.64
Ti 334.941	489.459	488.461	488.573
Tl 190.794	5002.87	4963.39	4981.40
V 292.401	4969.13	4955.47	4952.88
Zn 206.200	2464.80	2453.71	2455.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.940	ppb	2.4274	0.5	29298.3	98.58805
Al 308.215	4829.37	ppb	8.7382	0.2	33819.0	96.58743
As 188.980	481.497	ppb	4.7225	1.0	306.188	96.29943
B 249.678	486.721	ppb	0.5190	0.1	8311.28	97.34419
Ba 389.178	4940.65	ppb	11.5729	0.2	134940	98.81301
Be 313.042	493.289	ppb	1.2786	0.3	1540854	98.65782
Ca 370.602	4993	ppb	16.73	0.3	24923	99.86503
Cd 226.502	496.338	ppb	1.2369	0.2	20791.0	99.26768
Co 228.615	499.708	ppb	1.1604	0.2	5211.64	99.94165
Cr 267.716	4929.18	ppb	11.2550	0.2	173633	98.58366
Cu 324.754	5015.96	ppb	34.8915	0.7	277990	100.31912
Fe 271.441	4941.93	ppb	26.1869	0.5	6415.12	98.83859

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9871.75	ppb	5.9289	0.1	1350562	98.71751
Mg 279.078	4893.62	ppb	13.4619	0.3	13770.1	97.87231
Mn 257.610	5015.84	ppb	2.3337	0.0	927603	100.31680
Mo 202.032	495.465	ppb	0.1023	0.0	3784.92	99.09297
Na 330.237	7178.94	ppb	83.7877	1.2	565.500	95.71917
Ni 231.604	2467.29	ppb	19.0993	0.8	9513.11	98.69144
Pb 220.353	501.327	ppb	3.1649	0.6	725.695	100.26545
Sb 206.834	974.982	ppb	5.9140	0.6	1110.47	97.49818
Se 196.026	4950.42	ppb	2.3471	0.0	2271.88	99.00843
Sn 189.925	4928.06	ppb	11.5502	0.2	3900.94	98.56118
Sr 216.596	2405.75	ppb	6.4900	0.3	26194.2	96.22984
Ti 334.941	488.831	ppb	0.5469	0.1	220587	97.76621
Tl 190.794	4982.55	ppb	19.7660	0.4	3651.01	99.65105
V 292.401	4959.16	ppb	8.7265	0.2	206008	99.18324
Zn 206.200	2457.85	ppb	6.0568	0.2	7941.36	98.31383

Cont Calib Blank (CCB) **6/17/2014, 6:39:14 PM** **Rack 1, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	0.1282	-0.2039u	0.2217
Al 308.215	-3.8791u	-3.1257u	-1.0753u
As 188.980	-2.7505u	1.6763	-1.5023u
B 249.678	2.7744	2.3144	2.0282
Ba 389.178	0.7058	0.3291	0.5057
Be 313.042	0.1432	0.1519	0.1458
Ca 370.602	5.202	1.748	5.130
Cd 226.502	0.2527	-0.0194u	0.2515
Co 228.615	0.1491	-0.1975u	0.7194
Cr 267.716	0.1491	0.5651	0.2558
Cu 324.754	1.0037	0.7585	0.7219
Fe 271.441	7.5678	1.2077	0.9206
K 766.491	1.0180	0.7339	0.9949
Mg 279.078	0.1732	3.8993	1.8315
Mn 257.610	0.4388	0.3923	0.4059
Mo 202.032	0.9317	0.2520	-0.0209u
Na 330.237	107.302	44.2455	-98.2379u
Ni 231.604	0.9596	1.5575	1.1245
Pb 220.353	-0.7661u	1.4769	0.1589
Sb 206.834	0.2138	-3.6879u	-5.3484u
Se 196.026	-0.1868u	-7.0518u	-2.8628u
Sn 189.925	3.5655	2.9576	1.3684
Sr 216.596	0.0718	0.1887	-0.5473u
Ti 334.941	0.1228	0.1324	0.1316
Tl 190.794	-0.6208u	-1.3479u	-3.2608u
V 292.401	0.4571	0.2567	0.4161
Zn 206.200	0.9566	-0.4591u	0.1862

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0487	ppb	0.2237	459.6	-28.3977	0.04866
Al 308.215	-2.6934	ppb	1.4510	53.9	376.823	-2.69335
As 188.980	-0.8588	ppb	2.2825	265.8	-5.5565	-0.85883

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	2.3723	ppb	0.3764	15.9	125.423	2.37234
Ba 389.178	0.5136	ppb	0.1885	36.7	-24.3568	0.51357
Be 313.042	0.1469	ppb	0.0045	3.0	-3086.50	0.14694
Ca 370.602	4.027	ppb	1.973	49.0	2.289	4.02668
Cd 226.502	0.1616	ppb	0.1567	97.0	33.2025	0.16160
Co 228.615	0.2237	ppb	0.4630	207.0	-15.0447	0.22367
Cr 267.716	0.3233	ppb	0.2161	66.8	11.7980	0.32333
Cu 324.754	0.8280	ppb	0.1532	18.5	261.408	0.82804
Fe 271.441	3.2320	ppb	3.7577	116.3	49.4953	3.23204
K 766.491	0.9156	ppb	0.1577	17.2	2301.44	0.91559
Mg 279.078	1.9680	ppb	1.8668	94.9	44.7643	1.96798
Mn 257.610	0.4123	ppb	0.0239	5.8	91.9441	0.41234
Mo 202.032	0.3876	ppb	0.4906	126.6	9.3010	0.38760
Na 330.237	17.7698	ppb	105.297	592.6	102.719	17.76977
Ni 231.604	1.2139	ppb	0.3088	25.4	9.3417	1.21386
Pb 220.353	0.2899	ppb	1.1272	388.8	2.4263	0.28989
Sb 206.834	-2.9408	ppb	2.8554	97.1	5.2225	-2.94083
Se 196.026	-3.3671	ppb	3.4602	102.8	6.1592	-3.36711
Sn 189.925	2.6305	ppb	1.1345	43.1	-7.8626	2.63053
Sr 216.596	-0.0956	ppb	0.3955	413.6	5.8358	-0.09562
Ti 334.941	0.1290	ppb	0.0053	4.1	-26.4161	0.12896
Tl 190.794	-1.7432	ppb	1.3637	78.2	-11.7760	-1.74315
V 292.401	0.3766	ppb	0.1059	28.1	24.5566	0.37660
Zn 206.200	0.2279	ppb	0.7088	311.0	2.2230	0.22788

640-48127-C-7-A (Samp) **6/17/2014, 6:43:51 PM** **Rack 1, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.3301	0.7994	0.5149
Al 308.215	-1.8153u	1.2259	0.5108
As 188.980	-2.1766u	4.1166	-0.4855u
B 249.678	-0.2477u	0.4563	-0.1314u
Ba 389.178	0.2436	0.3470	0.0523
Be 313.042	0.1154	0.1060	0.1137
Ca 370.602	17.99	14.06	19.18
Cd 226.502	0.1316	0.0405	0.1231
Co 228.615	-0.3121u	-0.0336u	0.1400
Cr 267.716	-0.1442u	0.1273	-0.1583u
Cu 324.754	0.4543	0.1307	0.3495
Fe 271.441	3.7012	8.5504	5.6527
K 766.491	2.1299	1.9017	2.0991
Mg 279.078	8.0049	3.3192	7.4406
Mn 257.610	0.2196	0.2121	0.1913
Mo 202.032	0.3064	0.8148	0.1788
Na 330.237	110.718	48.6696	250.228
Ni 231.604	7.0151	4.5744	4.6141
Pb 220.353	0.1567	-0.4513u	0.9834
Sb 206.834	-4.2484u	-0.7845u	-4.4452u
Se 196.026	6.2850	-0.2424u	-2.4356u
Sn 189.925	-0.1969u	4.6576	2.0544
Sr 216.596	-0.1376u	0.0325	0.0003u

Label	Replicates Concentration		
Ti 334.941	0.1163	0.1271	0.0931
Tl 190.794	-1.4363u	-2.1669u	1.7345
V 292.401	0.3803	0.1197	-0.1453u
Zn 206.200	0.7356	1.3157	1.0753

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5481	ppb	0.2364	43.1	1.2830
Al 308.215	-0.0262	ppb	1.5901	6071.8	395.083
As 188.980	0.4848	ppb	3.2569	671.8	-4.6884
B 249.678	0.0257	ppb	0.3774	1466.5	85.8365
Ba 389.178	0.2143	ppb	0.1495	69.8	-32.5106
Be 313.042	0.1117	ppb	0.0050	4.5	-3196.82
Ca 370.602	17.07	ppb	2.678	15.7	67.28
Cd 226.502	0.0984	ppb	0.0503	51.2	30.5696
Co 228.615	-0.0686	ppb	0.2281	332.6	-18.1066
Cr 267.716	-0.0584	ppb	0.1610	275.7	-1.6493
Cu 324.754	0.3115	ppb	0.1651	53.0	232.787
Fe 271.441	5.9681	ppb	2.4399	40.9	52.9654
K 766.491	2.0436	ppb	0.1238	6.1	2455.51
Mg 279.078	6.2549	ppb	2.5580	40.9	56.7969
Mn 257.610	0.2077	ppb	0.0147	7.1	54.1334
Mo 202.032	0.4333	ppb	0.3365	77.6	9.6501
Na 330.237	136.538	ppb	103.230	75.6	110.716
Ni 231.604	5.4012	ppb	1.3978	25.9	25.4786
Pb 220.353	0.2296	ppb	0.7201	313.6	2.3391
Sb 206.834	-3.1594	ppb	2.0591	65.2	4.9771
Se 196.026	1.2023	ppb	4.5362	377.3	8.2483
Sn 189.925	2.1717	ppb	2.4294	111.9	-8.2267
Sr 216.596	-0.0350	ppb	0.0904	258.5	6.3078
Ti 334.941	0.1122	ppb	0.0173	15.5	-33.9948
Tl 190.794	-0.6229	ppb	2.0740	332.9	-10.9549
V 292.401	0.1182	ppb	0.2628	222.3	13.8039
Zn 206.200	1.0422	ppb	0.2915	28.0	4.8614

680-102049-C-1-A (Samp) **6/17/2014, 6:48:28 PM** **Rack 1, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	-0.1470u	-0.3036u	-0.2259u
Al 308.215	43.4874	43.2846	42.4955
As 188.980	3.9996	-7.2381u	-4.8057u
B 249.678	671.800	674.059	676.778
Ba 389.178	58.3157	57.8873	57.5431
Be 313.042	-0.0024u	0.0059u	-0.0039u
Ca 370.602	84449	84496	84563
Cd 226.502	0.2877	0.0353u	-0.0523u
Co 228.615	0.9372	0.4283	0.6510
Cr 267.716	-0.2717	0.4176	0.1130
Cu 324.754	1.2249u	1.6873	1.3944u
Fe 271.441	162.776	153.282	154.125
K 766.491	90902.1x	90420.1x	90597.8x
Mg 279.078	180841	181136	181285

Label	Replicates Concentration		
Mn 257.610	1333.27	1332.89	1333.34
Mo 202.032	3.1781	2.9087	2.4511
Na 330.237	1947632x	1950064x	1954092x
Ni 231.604	6.6236	6.7216	5.7389
Pb 220.353	-0.3484u	1.4204	1.8332
Sb 206.834	-4.5289u	-8.9028u	3.9118
Se 196.026	-10.6866u	7.8728	8.0108
Sn 189.925	-3.3805u	-4.3595u	-2.9294u
Sr 216.596	1089.70	1091.12	1093.12
Ti 334.941	-0.1901	-0.2306	-0.1601
Tl 190.794	-5.7693u	-9.8148u	-12.4747u
V 292.401	1.7441	1.9059	1.8644
Zn 206.200	8.8355	7.8451	8.3863

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2255b	ppb	0.0783	34.7	-41.6442
Al 308.215	43.0892b	ppb	0.5241	1.2	690.709
As 188.980	-2.6814b	ppb	5.9124	220.5	-6.7347
B 249.678	674.212b	ppb	2.4926	0.4	11463.6
Ba 389.178	57.9154b	ppb	0.3871	0.7	2130.58
Be 313.042	-0.0001b	ppb	0.0053	4959.7	-3844.57
Ca 370.602	84503b	ppb	57.04	0.1	421235
Cd 226.502	0.0902b	ppb	0.1765	195.7	22.7162
Co 228.615	0.6722b	ppb	0.2551	38.0	-10.3374
Cr 267.716	0.0863b	ppb	0.3454	400.2	25.5235
Cu 324.754	1.4355b	ppb	0.2339	16.3	202.194
Fe 271.441	156.728b	ppb	5.2548	3.4	245.167
K 766.491	90640.0xb	ppb	243.763	0.3	12382723
Mg 279.078	181087b	ppb	226.088	0.1	508624
Mn 257.610	1333.17b	ppb	0.2452	0.0	247909
Mo 202.032	2.8460b	ppb	0.3675	12.9	28.0492
Na 330.237	1950596xb	ppb	3262.54	0.2	131488
Ni 231.604	6.3614b	ppb	0.5413	8.5	29.1862
Pb 220.353	0.9684b	ppb	1.1589	119.7	3.3950
Sb 206.834	-3.1733b	ppb	6.5140	205.3	4.9169
Se 196.026	1.7324b	ppb	10.7553	620.9	9.3081
Sn 189.925	-3.5565b	ppb	0.7311	20.6	-12.1995
Sr 216.596	1091.31b	ppb	1.7166	0.2	11968.8
Ti 334.941	-0.1936b	ppb	0.0354	18.3	104.736
Tl 190.794	-9.3529b	ppb	3.3765	36.1	-17.0813
V 292.401	1.8382b	ppb	0.0840	4.6	67.6945
Zn 206.200	8.3556b	ppb	0.4959	5.9	28.5442

680-102049-C-2-A (Samp) **6/17/2014, 6:53:06 PM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4963u	-0.0112	-0.0680u
Al 308.215	15.1273	13.6881	14.8459
As 188.980	-1.8279u	-5.4224u	1.3754
B 249.678	683.046	684.400	684.324
Ba 389.178	61.8653	62.2368	62.1367

Label	Replicates Concentration		
Be 313.042	0.0059u	-0.0111u	0.0015u
Ca 370.602	79780	79622	79444
Cd 226.502	-0.0968u	0.1415	0.2708
Co 228.615	1.2779	0.8955	0.7923
Cr 267.716	-0.2159	-0.1614	-0.2211
Cu 324.754	1.3014u	1.3557u	1.2694u
Fe 271.441	664.499	660.520	660.509
K 766.491	91637.3x	91557.0x	91590.0x
Mg 279.078	184147	183716	183428
Mn 257.610	1463.42	1462.02	1459.62
Mo 202.032	1.7118	2.7827	1.7117
Na 330.237	1976893x	1963325x	1970395x
Ni 231.604	7.1126	7.5754	6.6011
Pb 220.353	3.6285	3.7687	0.7324
Sb 206.834	-9.2817u	-5.6128u	-2.5657u
Se 196.026	4.5883	-7.0175u	0.4537
Sn 189.925	-2.6515u	1.0349	-1.9592u
Sr 216.596	1092.09	1085.71	1085.79
Ti 334.941	-0.2973	-0.2078	-0.2334
Tl 190.794	-9.3947u	-9.4054u	-9.0723u
V 292.401	1.2753	1.1788	1.3059
Zn 206.200	2.4697	3.2033	4.1257

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1918b	ppb	0.2652	138.3	-39.2036
Al 308.215	14.5538b	ppb	0.7627	5.2	495.130
As 188.980	-1.9583b	ppb	3.4008	173.7	-6.2725
B 249.678	683.923b	ppb	0.7609	0.1	11627.0
Ba 389.178	62.0796b	ppb	0.1923	0.3	2254.36
Be 313.042	-0.0012b	ppb	0.0088	720.0	-3854.88
Ca 370.602	79615b	ppb	168.2	0.2	396861
Cd 226.502	0.1052b	ppb	0.1865	177.3	25.0755
Co 228.615	0.9886b	ppb	0.2558	25.9	-6.9750
Cr 267.716	-0.1995b	ppb	0.0330	16.6	15.7153
Cu 324.754	1.3088b	ppb	0.0436	3.3	200.534
Fe 271.441	661.843b	ppb	2.3001	0.3	888.904
K 766.491	91594.7xb	ppb	40.3568	0.0	12513124
Mg 279.078	183763b	ppb	361.737	0.2	516139
Mn 257.610	1461.69b	ppb	1.9217	0.1	271698
Mo 202.032	2.0687b	ppb	0.6183	29.9	22.0605
Na 330.237	1970204xb	ppb	6785.82	0.3	132808
Ni 231.604	7.0964b	ppb	0.4873	6.9	32.0431
Pb 220.353	2.7099b	ppb	1.7140	63.2	5.8959
Sb 206.834	-5.8201b	ppb	3.3628	57.8	2.0188
Se 196.026	-0.6585b	ppb	5.8823	893.3	8.2186
Sn 189.925	-1.1919b	ppb	1.9593	164.4	-10.3164
Sr 216.596	1087.87b	ppb	3.6584	0.3	11929.9
Ti 334.941	-0.2461b	ppb	0.0461	18.7	86.0513
Tl 190.794	-9.2908b	ppb	0.1893	2.0	-17.0361
V 292.401	1.2533b	ppb	0.0664	5.3	43.6677
Zn 206.200	3.2662b	ppb	0.8298	25.4	12.0831

680-102049-C-4-A (Samp) **6/17/2014, 6:57:44 PM** **Rack 1, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-0.3563u	0.1096	-0.3326u
Al 308.215	14.7711	16.1863	17.8333
As 188.980	2.0372	-3.1079u	-1.9783u
B 249.678	701.720	700.419	700.312
Ba 389.178	44.3608	44.7765	43.5164
Be 313.042	0.0239u	0.0230u	0.0338u
Ca 370.602	75476	75491	75331
Cd 226.502	0.2295	-0.1017u	0.2200
Co 228.615	0.2169	0.7961	0.9876
Cr 267.716	0.0954	-0.0675	0.1155
Cu 324.754	1.6966	1.4586u	1.4770u
Fe 271.441	2.6195	9.8179	-3.2899u
K 766.491	94355.3x	94414.8x	94215.3x
Mg 279.078	184109	183917	183741
Mn 257.610	1116.80	1117.39	1116.44
Mo 202.032	3.0475	3.2020	2.6841
Na 330.237	1971406x	1997245x	2007717x
Ni 231.604	6.8183	4.2587	6.7907
Pb 220.353	3.8527	0.0101	3.0558
Sb 206.834	-4.2540u	-2.1032u	-5.9799u
Se 196.026	9.5595	11.6625	3.8952
Sn 189.925	-3.8371u	-1.9921u	-6.2373u
Sr 216.596	1078.84	1079.76	1075.02
Ti 334.941	-0.2327	-0.1929	-0.2046
Tl 190.794	-9.4534u	-8.4108u	-10.6348u
V 292.401	1.8713	2.1752	2.0661
Zn 206.200	1.7953	2.9605	3.2090

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1931b	ppb	0.2624	135.9	-40.5918
Al 308.215	16.2636b	ppb	1.5326	9.4	506.957
As 188.980	-1.0163b	ppb	2.7041	266.1	-5.6574
B 249.678	700.817b	ppb	0.7836	0.1	11912.6
Ba 389.178	44.2179b	ppb	0.6421	1.5	1765.24
Be 313.042	0.0269b	ppb	0.0060	22.2	-3772.47
Ca 370.602	75433b	ppb	88.29	0.1	376024
Cd 226.502	0.1159b	ppb	0.1886	162.7	23.0285
Co 228.615	0.6669b	ppb	0.4013	60.2	-10.4055
Cr 267.716	0.0478b	ppb	0.1004	210.0	24.6475
Cu 324.754	1.5441b	ppb	0.1324	8.6	218.183
Fe 271.441	3.0492b	ppb	6.5645	215.3	49.3792
K 766.491	94328.4xb	ppb	102.434	0.1	12886524
Mg 279.078	183922b	ppb	183.876	0.1	516587
Mn 257.610	1116.88b	ppb	0.4754	0.0	207934
Mo 202.032	2.9778b	ppb	0.2659	8.9	29.0733
Na 330.237	1992122xb	ppb	18689.8	0.9	134285
Ni 231.604	5.9559b	ppb	1.4698	24.7	27.6159
Pb 220.353	2.3062b	ppb	2.0280	87.9	5.3241
Sb 206.834	-4.1124b	ppb	1.9422	47.2	3.8797
Se 196.026	8.3724b	ppb	4.0174	48.0	12.2391

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	-4.0222b	ppb	2.1287	52.9	-12.5566
Sr 216.596	1077.87b	ppb	2.5124	0.2	11818.6
Ti 334.941	-0.2101b	ppb	0.0205	9.8	100.240
Tl 190.794	-9.4997b	ppb	1.1127	11.7	-17.2252
V 292.401	2.0376b	ppb	0.1539	7.6	75.4640
Zn 206.200	2.6549b	ppb	0.7547	28.4	10.0798

680-102049-C-5-A (Samp) **6/17/2014, 7:02:42 PM** **Rack 1, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	-0.1986u	-0.3121u	-0.4091u
Al 308.215	16.1998	16.9206	16.1816
As 188.980	-4.5271u	-1.1028u	-2.1143u
B 249.678	706.454	706.237	707.597
Ba 389.178	62.2223	61.5351	61.5891
Be 313.042	0.0206u	0.0105u	0.0083u
Ca 370.602	80634	80713	80823
Cd 226.502	0.0607u	0.1024u	-0.0454u
Co 228.615	1.1842	1.2430	0.1214
Cr 267.716	0.1454	-0.1134	-0.2424
Cu 324.754	1.3820u	1.7618	1.5583u
Fe 271.441	46.2912	55.5635	48.7070
K 766.491	95871.8x	95843.6x	95822.2x
Mg 279.078	190358	190757	190960
Mn 257.610	1580.51	1583.48	1583.84
Mo 202.032	1.8621	3.0867	2.2404
Na 330.237	2056653x	2069092x	2062609x
Ni 231.604	5.8972	5.2255	6.7341
Pb 220.353	4.0375	0.5446	-0.9589u
Sb 206.834	-3.1591u	-3.9039u	-4.5753u
Se 196.026	-0.6482	3.0545	0.6090
Sn 189.925	-0.4585	-7.5201u	-5.0010u
Sr 216.596	1121.54	1120.28	1124.01
Ti 334.941	-0.1514	-0.1535	-0.1892
Tl 190.794	-12.3525u	-10.6744u	-13.2854u
V 292.401	1.9102	1.8269	1.7336
Zn 206.200	2.5935	2.8964	3.2350

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3066b	ppb	0.1053	34.4	-45.5677
Al 308.215	16.4340b	ppb	0.4215	2.6	508.078
As 188.980	-2.5814b	ppb	1.7593	68.2	-6.6692
B 249.678	706.763b	ppb	0.7303	0.1	12012.9
Ba 389.178	61.7822b	ppb	0.3821	0.6	2267.06
Be 313.042	0.0131b	ppb	0.0066	49.9	-3824.92
Ca 370.602	80723b	ppb	94.76	0.1	402397
Cd 226.502	0.0392b	ppb	0.0762	194.2	19.7089
Co 228.615	0.8496b	ppb	0.6313	74.3	-8.4720
Cr 267.716	-0.0701b	ppb	0.1975	281.6	21.2797
Cu 324.754	1.5674b	ppb	0.1901	12.1	213.644
Fe 271.441	50.1872b	ppb	4.8101	9.6	109.451

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	95845.9xb	ppb	24.8510	0.0	13093787
Mg 279.078	190692b	ppb	306.649	0.2	535598
Mn 257.610	1582.61b	ppb	1.8288	0.1	294109
Mo 202.032	2.3964b	ppb	0.6271	26.2	24.6296
Na 330.237	2062785xb	ppb	6221.74	0.3	139044
Ni 231.604	5.9523b	ppb	0.7558	12.7	27.6043
Pb 220.353	1.2077b	ppb	2.5634	212.3	3.7429
Sb 206.834	-3.8794b	ppb	0.7084	18.3	4.1484
Se 196.026	1.0051b	ppb	1.8829	187.3	8.9914
Sn 189.925	-4.3265b	ppb	3.5788	82.7	-12.7777
Sr 216.596	1121.94b	ppb	1.8965	0.2	12302.3
Ti 334.941	-0.1647b	ppb	0.0212	12.9	131.503
Tl 190.794	-12.1041b	ppb	1.3231	10.9	-19.0385
V 292.401	1.8235b	ppb	0.0883	4.8	66.1601
Zn 206.200	2.9083b	ppb	0.3209	11.0	10.9021

680-102049-C-12-A (Samp) **6/17/2014, 7:07:20 PM** **Rack 1, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	-0.3369u	-0.2325u	-0.4784u
Al 308.215	17.7476	20.0490	18.1051
As 188.980	4.0314	-7.3012u	-2.0053u
B 249.678	783.342	780.168	783.321
Ba 389.178	31.3681	32.4564	31.3399
Be 313.042	0.0251u	0.0224u	0.0139u
Ca 370.602	74704	74728	74912
Cd 226.502	0.1332u	0.2326	0.0781u
Co 228.615	0.3543	0.3724	0.5659
Cr 267.716	-0.6431	-0.2273	-0.6498
Cu 324.754	1.3710u	1.7048	1.7980
Fe 271.441	-7.2410u	-14.1822u	-4.0074u
K 766.491	111139x	111041x	110717x
Mg 279.078	213369	213171	214096
Mn 257.610	382.238	381.960	382.615
Mo 202.032	1.7362	2.4837	2.5505
Na 330.237	2326481x	2336356x	2332024x
Ni 231.604	4.3600	3.3851	7.0864
Pb 220.353	-1.4300u	2.7693	1.3752
Sb 206.834	-2.2608u	-9.3430u	-5.5703u
Se 196.026	1.7822	-1.6460u	4.2447
Sn 189.925	-3.2179u	1.6588	-2.5897u
Sr 216.596	1211.15	1214.47	1218.12
Ti 334.941	-0.4098	-0.4409	-0.3646
Tl 190.794	-9.4960u	-6.2087u	-12.1206u
V 292.401	2.0869	1.9714	1.6918
Zn 206.200	0.6762	0.7509	1.8237

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3492b	ppb	0.1234	35.3	-53.1558
Al 308.215	18.6339b	ppb	1.2385	6.6	523.139
As 188.980	-1.7583b	ppb	5.6703	322.5	-6.1369

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	782.277b	ppb	1.8266	0.2	13287.4
Ba 389.178	31.7215b	ppb	0.6366	2.0	1519.69
Be 313.042	0.0205b	ppb	0.0059	28.6	-3851.22
Ca 370.602	74781b	ppb	113.4	0.2	372777
Cd 226.502	0.1480b	ppb	0.0783	52.9	22.9356
Co 228.615	0.4309b	ppb	0.1173	27.2	-12.8490
Cr 267.716	-0.5067b	ppb	0.2420	47.8	8.8824
Cu 324.754	1.6246b	ppb	0.2245	13.8	223.355
Fe 271.441	-8.4769b	ppb	5.1988	61.3	34.6114
K 766.491	110965xb	ppb	220.567	0.2	15158965
Mg 279.078	213545b	ppb	487.277	0.2	599783
Mn 257.610	382.271b	ppb	0.3288	0.1	72311.3
Mo 202.032	2.2568b	ppb	0.4521	20.0	23.5703
Na 330.237	2331620xb	ppb	4949.96	0.2	157152
Ni 231.604	4.9438b	ppb	1.9185	38.8	23.7153
Pb 220.353	0.9048b	ppb	2.1388	236.4	3.3080
Sb 206.834	-5.7247b	ppb	3.5436	61.9	2.1167
Se 196.026	1.4603b	ppb	2.9585	202.6	8.9438
Sn 189.925	-1.3829b	ppb	2.6529	191.8	-10.3641
Sr 216.596	1214.58b	ppb	3.4903	0.3	13313.5
Ti 334.941	-0.4051b	ppb	0.0384	9.5	55.7389
Tl 190.794	-9.2751b	ppb	2.9621	31.9	-17.2178
V 292.401	1.9167b	ppb	0.2032	10.6	67.7622
Zn 206.200	1.0836b	ppb	0.6421	59.3	4.9937

680-102049-C-13-A (Samp) **6/17/2014, 7:11:59 PM** **Rack 1, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	-0.2138u	-0.6590u	-0.2029u
Al 308.215	14.6047	17.0585	18.1210
As 188.980	4.5098	-1.4780u	-7.8365u
B 249.678	793.783	793.974	796.304
Ba 389.178	35.0897	35.5898	36.8075
Be 313.042	0.0212u	0.0377u	0.0370u
Ca 370.602	78159	78094	78117
Cd 226.502	0.2161u	0.2028u	0.2256u
Co 228.615	0.1930	0.0738	-0.8732u
Cr 267.716	-0.2030	0.0100	-0.3059
Cu 324.754	2.3127	1.8374	2.2694
Fe 271.441	-6.3415u	-13.7901u	-11.5311u
K 766.491	111380x	111081x	111281x
Mg 279.078	215111	214782	215258
Mn 257.610	527.547	526.896	526.880
Mo 202.032	3.0335	2.5905	3.3602
Na 330.237	2354768x	2312977x	2339523x
Ni 231.604	6.6670	6.2571	3.7339
Pb 220.353	4.8149	-1.4842u	3.3405
Sb 206.834	-8.0470u	-5.0970u	-5.5742u
Se 196.026	8.8582	0.4911	14.4785
Sn 189.925	-7.8238u	-1.4543u	-7.0363u
Sr 216.596	1234.68	1233.44	1232.61

Label	Replicates Concentration		
Ti 334.941	-0.3911	-0.4156	-0.3885
Tl 190.794	-16.6499u	-12.3056u	-12.0055u
V 292.401	1.9998	2.3268	1.9023
Zn 206.200	2.3379	0.9992	1.6682

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3585b	ppb	0.2602	72.6	-53.1508
Al 308.215	16.5947b	ppb	1.8034	10.9	509.230
As 188.980	-1.6016b	ppb	6.1741	385.5	-6.0354
B 249.678	794.687b	ppb	1.4040	0.2	13496.8
Ba 389.178	35.8290b	ppb	0.8835	2.5	1636.85
Be 313.042	0.0320b	ppb	0.0094	29.3	-3815.23
Ca 370.602	78123b	ppb	32.73	0.0	389436
Cd 226.502	0.2148b	ppb	0.0114	5.3	25.6980
Co 228.615	-0.2021b	ppb	0.5842	289.0	-19.4951
Cr 267.716	-0.1663b	ppb	0.1611	96.9	20.9759
Cu 324.754	2.1398b	ppb	0.2628	12.3	248.231
Fe 271.441	-10.5542b	ppb	3.8192	36.2	31.9699
K 766.491	111247xb	ppb	151.986	0.1	15197485
Mg 279.078	215050b	ppb	243.455	0.1	604010
Mn 257.610	527.108b	ppb	0.3804	0.1	99106.3
Mo 202.032	2.9947b	ppb	0.3863	12.9	29.2035
Na 330.237	2335756xb	ppb	21148.4	0.9	157431
Ni 231.604	5.5527b	ppb	1.5884	28.6	26.0615
Pb 220.353	2.2237b	ppb	3.2947	148.2	5.2059
Sb 206.834	-6.2394b	ppb	1.5835	25.4	1.5376
Se 196.026	7.9426b	ppb	7.0385	88.6	11.9558
Sn 189.925	-5.4381b	ppb	3.4725	63.9	-13.5798
Sr 216.596	1233.58b	ppb	1.0395	0.1	13522.3
Ti 334.941	-0.3984b	ppb	0.0150	3.8	61.9573
Tl 190.794	-13.6536b	ppb	2.5992	19.0	-20.3993
V 292.401	2.0763b	ppb	0.2224	10.7	74.0876
Zn 206.200	1.6684b	ppb	0.6693	40.1	6.8858

680-102049-C-14-A (Samp) **6/17/2014, 7:16:38 PM** **Rack 1, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-0.5815u	-0.5128u	-0.5305u
Al 308.215	32.9481	28.9954	28.8782
As 188.980	-2.1149u	1.4618	-6.1541u
B 249.678	882.305	883.886	887.633
Ba 389.178	27.9172	28.2422	27.3524
Be 313.042	0.0375u	0.0478u	0.0540u
Ca 370.602	82250	82564	82470
Cd 226.502	0.0417u	0.2553u	0.2721
Co 228.615	-0.3901u	0.5882	0.2694
Cr 267.716	-0.2392	-0.4007	-0.2251
Cu 324.754	2.1316	1.9589	1.9969
Fe 271.441	24.9358	16.6452	10.5667
K 766.491	127151x	126519x	126639x
Mg 279.078	239712	240243	240065

Label	Replicates Concentration		
Mn 257.610	241.249	241.899	241.628
Mo 202.032	3.9065	2.3956	3.2958
Na 330.237	2647538x	2651446x	2666400x
Ni 231.604	6.3024	6.8198	6.7539
Pb 220.353	4.5628	-0.8900u	4.5489
Sb 206.834	-13.0098u	-2.3888u	-2.7014u
Se 196.026	6.7365	-16.6508u	3.3703
Sn 189.925	-1.9450u	-5.1318u	-11.5613u
Sr 216.596	1377.26	1388.37	1385.97
Ti 334.941	-0.2069	-0.1575	-0.1436
Tl 190.794	-12.4171u	-7.9694u	-13.3533u
V 292.401	2.1838	2.3991	2.2666
Zn 206.200	1.1395	2.0106	0.2467

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5416b	ppb	0.0357	6.6	-65.4721
Al 308.215	30.2739b	ppb	2.3166	7.7	602.967
As 188.980	-2.2691b	ppb	3.8103	167.9	-6.4668
B 249.678	884.608b	ppb	2.7364	0.3	15014.3
Ba 389.178	27.8372b	ppb	0.4503	1.6	1499.30
Be 313.042	0.0465b	ppb	0.0083	18.0	-3823.17
Ca 370.602	82428b	ppb	161.5	0.2	410895
Cd 226.502	0.1897b	ppb	0.1284	67.7	23.3633
Co 228.615	0.1559b	ppb	0.4990	320.2	-15.7352
Cr 267.716	-0.2883b	ppb	0.0975	33.8	20.2738
Cu 324.754	2.0291b	ppb	0.0907	4.5	237.370
Fe 271.441	17.3825b	ppb	7.2129	41.5	67.5576
K 766.491	126770xb	ppb	336.091	0.3	17317672
Mg 279.078	240006b	ppb	270.277	0.1	674100
Mn 257.610	241.592b	ppb	0.3263	0.1	46495.4
Mo 202.032	3.1993b	ppb	0.7601	23.8	30.7621
Na 330.237	2655129xb	ppb	9955.57	0.4	178943
Ni 231.604	6.6254b	ppb	0.2816	4.3	30.1967
Pb 220.353	2.7406b	ppb	3.1441	114.7	5.9482
Sb 206.834	-6.0333b	ppb	6.0438	100.2	1.7597
Se 196.026	-2.1814b	ppb	12.6435	579.6	7.3069
Sn 189.925	-6.2127b	ppb	4.8984	78.8	-14.1011
Sr 216.596	1383.87b	ppb	5.8422	0.4	15167.2
Ti 334.941	-0.1693b	ppb	0.0333	19.7	197.994
Tl 190.794	-11.2466b	ppb	2.8765	25.6	-18.6960
V 292.401	2.2832b	ppb	0.1086	4.8	79.7977
Zn 206.200	1.1323b	ppb	0.8819	77.9	5.1505

680-102049-C-15-A (Samp) **6/17/2014, 7:21:17 PM** **Rack 1, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	-0.0619u	-0.1678u	-0.4338u
Al 308.215	18.7742	16.4387	17.3487
As 188.980	-3.0511u	3.1172	1.5265
B 249.678	852.946	853.415	854.996
Ba 389.178	27.4883	27.2577	25.1309

Label	Replicates Concentration		
Be 313.042	0.0206u	0.0422u	0.0436u
Ca 370.602	79734	79745	79643
Cd 226.502	0.5703	0.1555u	0.1450u
Co 228.615	0.7133	0.1798	-0.6529u
Cr 267.716	-0.4127	-0.4966	-0.0185
Cu 324.754	2.0399	2.0160	1.8324
Fe 271.441	-25.6475u	-15.3571u	-17.7788u
K 766.491	122253x	122121x	122271x
Mg 279.078	233254	232389	232765
Mn 257.610	235.897	235.643	235.536
Mo 202.032	2.7115	2.6794	2.5617
Na 330.237	2585267x	2562198x	2562485x
Ni 231.604	7.8407	6.6556	5.1618
Pb 220.353	1.7499	6.8065	0.2216
Sb 206.834	-9.6561u	-5.8995u	-12.0158u
Se 196.026	4.9048	8.8947	3.5022
Sn 189.925	-10.3187u	-1.9528u	-6.3253u
Sr 216.596	1334.77	1338.00	1335.67
Ti 334.941	-0.4951	-0.5937	-0.5079
Tl 190.794	-12.7528u	-15.0469u	-14.2397u
V 292.401	2.3377	2.1286	2.0708
Zn 206.200	3.9849	5.9017	5.2197

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2212b	ppb	0.1916	86.6	-46.3614
Al 308.215	17.5205b	ppb	1.1772	6.7	515.547
As 188.980	0.5308b	ppb	3.2024	603.3	-4.6577
B 249.678	853.786b	ppb	1.0740	0.1	14494.2
Ba 389.178	26.6256b	ppb	1.2996	4.9	1442.95
Be 313.042	0.0355b	ppb	0.0129	36.3	-3843.34
Ca 370.602	79707b	ppb	56.02	0.1	397332
Cd 226.502	0.2903b	ppb	0.2426	83.6	27.8192
Co 228.615	0.0801b	ppb	0.6886	859.9	-16.5266
Cr 267.716	-0.3093b	ppb	0.2553	82.5	18.5306
Cu 324.754	1.9628b	ppb	0.1135	5.8	236.675
Fe 271.441	-19.5944b	ppb	5.3801	27.5	20.4558
K 766.491	122215xb	ppb	82.0763	0.1	16695516
Mg 279.078	232803b	ppb	433.906	0.2	653869
Mn 257.610	235.692b	ppb	0.1856	0.1	45350.5
Mo 202.032	2.6508b	ppb	0.0789	3.0	26.5795
Na 330.237	2569983xb	ppb	13237.3	0.5	173208
Ni 231.604	6.5527b	ppb	1.3424	20.5	29.9148
Pb 220.353	2.9260b	ppb	3.4464	117.8	6.2171
Sb 206.834	-9.1905b	ppb	3.0846	33.6	-1.7037
Se 196.026	5.7672b	ppb	2.7978	48.5	10.9202
Sn 189.925	-6.1989b	ppb	4.1844	67.5	-14.1163
Sr 216.596	1336.15b	ppb	1.6635	0.1	14644.5
Ti 334.941	-0.5322b	ppb	0.0536	10.1	24.5254
Tl 190.794	-14.0131b	ppb	1.1637	8.3	-20.7244
V 292.401	2.1790b	ppb	0.1404	6.4	76.4070
Zn 206.200	5.0354b	ppb	0.9716	19.3	17.7881

680-102049-C-15-B MS (Samp) **6/17/2014, 7:25:57 PM** **Rack 1, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	59.9053	59.5967	59.7989
Al 308.215	5749.52	5777.88	5787.85
As 188.980	116.109	114.501	125.389
B 249.678	1054.06	1054.54	1058.07
Ba 389.178	128.013	128.597	128.329
Be 313.042	53.5945	53.4433	53.3447
Ca 370.602	83839	83710	83495
Cd 226.502	52.4525	52.1535	51.5565
Co 228.615	53.3331	52.1012	52.2571
Cr 267.716	104.343	103.944	104.301
Cu 324.754	116.185	115.745	117.324
Fe 271.441	4998.77	4982.82	4952.73
K 766.491	127011x	127139x	127510x
Mg 279.078	235105	233740	233099
Mn 257.610	765.546	764.891	763.681
Mo 202.032	107.417	107.260	107.446
Na 330.237	2543051x	2536672x	2521302x
Ni 231.604	105.253	107.190	107.221
Pb 220.353	59.1784	55.3028	51.9449
Sb 206.834	47.6105	45.4587	50.1159
Se 196.026	109.686	109.577	122.709
Sn 189.925	201.346	212.479	205.690
Sr 216.596	1423.79	1417.84	1412.26
Ti 334.941	101.345	101.202	101.104
Tl 190.794	29.4878	26.8995	24.4515
V 292.401	107.897	107.507	107.804
Zn 206.200	107.290	109.158	108.022

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	59.7670b	ppb	0.1567	0.3	3520.37
Al 308.215	5771.75b	ppb	19.8847	0.3	39950.1
As 188.980	118.666b	ppb	5.8774	5.0	71.6524
B 249.678	1055.56b	ppb	2.1896	0.2	17896.1
Ba 389.178	128.313b	ppb	0.2923	0.2	4236.00
Be 313.042	53.4608b	ppb	0.1258	0.2	163246
Ca 370.602	83681b	ppb	173.7	0.2	417082
Cd 226.502	52.0542b	ppb	0.4562	0.9	2209.59
Co 228.615	52.5638b	ppb	0.6708	1.3	532.564
Cr 267.716	104.196b	ppb	0.2195	0.2	3699.46
Cu 324.754	116.418b	ppb	0.8147	0.7	6571.02
Fe 271.441	4978.11b	ppb	23.3808	0.5	6394.52
K 766.491	127220xb	ppb	259.267	0.2	17379206
Mg 279.078	233981b	ppb	1024.89	0.4	657165
Mn 257.610	764.706b	ppb	0.9459	0.1	143200
Mo 202.032	107.374b	ppb	0.1005	0.1	825.371
Na 330.237	2533675xb	ppb	11179.9	0.4	170758
Ni 231.604	106.555b	ppb	1.1274	1.1	415.537
Pb 220.353	55.4754b	ppb	3.6199	6.5	81.3221
Sb 206.834	47.7283b	ppb	2.3308	4.9	59.4864
Se 196.026	113.991b	ppb	7.5506	6.6	60.6460

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	206.505b	ppb	5.6111	2.7	154.676
Sr 216.596	1417.96b	ppb	5.7659	0.4	15538.8
Ti 334.941	101.217b	ppb	0.1210	0.1	45962.0
Tl 190.794	26.9463b	ppb	2.5185	9.3	9.1950
V 292.401	107.736b	ppb	0.2035	0.2	4436.31
Zn 206.200	108.157b	ppb	0.9415	0.9	351.469

Cont Calib Verif (CCV) **6/17/2014, 7:30:35 PM** **Rack 1, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	489.311	486.617	486.477
Al 308.215	4844.02	4828.43	4825.33
As 188.980	479.076	469.867	470.168
B 249.678	489.682	488.313	487.039
Ba 389.178	4950.91	4937.18	4936.78
Be 313.042	494.718	492.878	492.729
Ca 370.602	5022	4997	4989
Cd 226.502	495.588	493.186	493.609
Co 228.615	498.771	496.500	496.384
Cr 267.716	4940.64	4921.85	4924.43
Cu 324.754	5026.43	4997.12	4916.26
Fe 271.441	4934.23	4904.87	4910.24
K 766.491	9770.38	9724.33	9674.76
Mg 279.078	4903.52	4893.44	4872.85
Mn 257.610	5032.22	4998.25	4987.44
Mo 202.032	495.898	493.515	494.937
Na 330.237	7510.73	7702.69	7388.82
Ni 231.604	2453.95	2473.03	2459.99
Pb 220.353	504.154	497.953	499.625
Sb 206.834	961.743	964.803	960.132
Se 196.026	4873.63	4858.48	4860.46
Sn 189.925	4942.55	4909.83	4918.40
Sr 216.596	2417.22	2406.48	2407.75
Ti 334.941	488.877	487.236	486.831
Tl 190.794	5001.98	4980.86	4977.71
V 292.401	4960.94	4943.84	4936.55
Zn 206.200	2470.00	2455.29	2453.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.469	ppb	1.5973	0.3	28972.9	97.49374
Al 308.215	4832.59	ppb	10.0170	0.2	33839.5	96.65182
As 188.980	473.037	ppb	5.2319	1.1	300.723	94.60744
B 249.678	488.344	ppb	1.3216	0.3	8338.53	97.66889
Ba 389.178	4941.62	ppb	8.0493	0.2	134967	98.83245
Be 313.042	493.442	ppb	1.1080	0.2	1541322	98.68836
Ca 370.602	5003	ppb	17.19	0.3	24971	100.05759
Cd 226.502	494.128	ppb	1.2824	0.3	20698.4	98.82555
Co 228.615	497.218	ppb	1.3458	0.3	5185.53	99.44368
Cr 267.716	4928.97	ppb	10.1851	0.2	173626	98.57948
Cu 324.754	4979.94	ppb	57.0606	1.1	275995	99.59878
Fe 271.441	4916.45	ppb	15.6340	0.3	6382.13	98.32895

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9723.16	ppb	47.8218	0.5	1330265	97.23158
Mg 279.078	4889.94	ppb	15.6312	0.3	13759.9	97.79871
Mn 257.610	5005.97	ppb	23.3702	0.5	925778	100.11938
Mo 202.032	494.783	ppb	1.1989	0.2	3779.74	98.95668
Na 330.237	7534.08	ppb	158.234	2.1	589.472	100.45443
Ni 231.604	2462.32	ppb	9.7512	0.4	9493.98	98.49295
Pb 220.353	500.577	ppb	3.2081	0.6	724.607	100.11549
Sb 206.834	962.226	ppb	2.3727	0.2	1096.30	96.22258
Se 196.026	4864.19	ppb	8.2388	0.2	2232.45	97.28381
Sn 189.925	4923.59	ppb	16.9643	0.3	3897.40	98.47186
Sr 216.596	2410.48	ppb	5.8716	0.2	26246.0	96.41940
Ti 334.941	487.648	ppb	1.0833	0.2	220053	97.52966
Tl 190.794	4986.85	ppb	13.1974	0.3	3654.13	99.73701
V 292.401	4947.11	ppb	12.5207	0.3	205508	98.94228
Zn 206.200	2459.52	ppb	9.1271	0.4	7946.86	98.38084

Cont Calib Blank (CCB) **6/17/2014, 7:35:12 PM** **Rack 1, Tube 26**

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

Label	Replicates	Concentration	
Ag 328.068	0.6309	-0.1762u	0.7140
Al 308.215	-1.4932u	-2.2091u	-5.5337u
As 188.980	5.2756	5.8807	-4.2927u
B 249.678	5.2844	5.7610	5.3215
Ba 389.178	0.4175	1.0327	1.0631
Be 313.042	0.1780	0.1762	0.1833
Ca 370.602	3.728	1.269	7.191
Cd 226.502	0.1659	0.1503	0.2045
Co 228.615	0.0258	-0.2511u	0.2739
Cr 267.716	0.6990	0.3679	0.4011
Cu 324.754	0.8896	0.9920	1.1376
Fe 271.441	4.4627	9.4809	11.1368
K 766.491	3.5378	3.2607	4.2254
Mg 279.078	6.8571	1.9116	3.0211
Mn 257.610	0.6785	0.7109	0.7252
Mo 202.032	-0.0844u	0.0423	0.0222
Na 330.237	242.533	1.6473	274.620
Ni 231.604	0.6259	1.4225	1.8523
Pb 220.353	2.5601	-2.0315u	-1.6212u
Sb 206.834	0.9692	1.5321	-3.3292u
Se 196.026	0.5306	2.3634	4.6230
Sn 189.925	1.6249	0.8338	4.2135
Sr 216.596	0.2517	0.2117	0.1572
Ti 334.941	0.1361	0.1523	0.1213
Tl 190.794	-3.0985u	-4.6260u	-4.2497u
V 292.401	0.3022	0.6629	0.9638
Zn 206.200	0.5206	-0.2843u	0.1567

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3896	ppb	0.4917	126.2	-8.1377	0.38956
Al 308.215	-3.0787	ppb	2.1560	70.0	374.163	-3.07865
As 188.980	2.2879	ppb	5.7070	249.4	-3.5237	2.28786

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	5.4556	ppb	0.2651	4.9	177.461	5.45564
Ba 389.178	0.8378	ppb	0.3643	43.5	-15.4841	0.83778
Be 313.042	0.1792	ppb	0.0037	2.1	-2985.58	0.17918
Ca 370.602	4.063	ppb	2.975	73.2	2.370	4.06257
Cd 226.502	0.1735	ppb	0.0279	16.1	33.7211	0.17354
Co 228.615	0.0162	ppb	0.2626	1620.7	-17.2057	0.01621
Cr 267.716	0.4893	ppb	0.1823	37.3	17.6469	0.48933
Cu 324.754	1.0064	ppb	0.1246	12.4	271.275	1.00638
Fe 271.441	8.3601	ppb	3.4754	41.6	56.0137	8.36013
K 766.491	3.6746	ppb	0.4967	13.5	2678.30	3.67465
Mg 279.078	3.9299	ppb	2.5950	66.0	50.2602	3.92993
Mn 257.610	0.7049	ppb	0.0240	3.4	146.071	0.70488
Mo 202.032	-0.0066	ppb	0.0681	1027.1	6.2909	-0.00663
Na 330.237	172.933	ppb	149.203	86.3	113.169	172.93311
Ni 231.604	1.3002	ppb	0.6223	47.9	9.6749	1.30025
Pb 220.353	-0.3642	ppb	2.5408	697.6	1.4855	-0.36421
Sb 206.834	-0.2760	ppb	2.6591	963.5	8.1655	-0.27599
Se 196.026	2.5057	ppb	2.0499	81.8	8.8442	2.50569
Sn 189.925	2.2241	ppb	1.7677	79.5	-8.1852	2.22406
Sr 216.596	0.2068	ppb	0.0474	22.9	9.1583	0.20683
Ti 334.941	0.1366	ppb	0.0155	11.4	-22.9722	0.13661
Tl 190.794	-3.9914	ppb	0.7958	19.9	-13.4257	-3.99141
V 292.401	0.6430	ppb	0.3312	51.5	35.7661	0.64297
Zn 206.200	0.1310	ppb	0.4031	307.6	1.9090	0.13103

680-102049-C-15-C MS (Samp) **6/17/2014, 7:39:48 PM** **Rack 1, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	60.8514	60.7660	59.9526
Al 308.215	5790.43	5820.83	5781.82
As 188.980	123.258	113.073	124.437
B 249.678	1050.28	1050.09	1052.38
Ba 389.178	128.899	129.021	128.742
Be 313.042	53.3939	53.1831	53.4024
Ca 370.602	83090	82758	83168
Cd 226.502	51.7055	51.5192	52.0675
Co 228.615	50.4918	51.7821	50.9818
Cr 267.716	103.576	103.785	103.742
Cu 324.754	117.799	117.670	117.062
Fe 271.441	4984.36	4962.19	4944.90
K 766.491	127608x	127752x	127532x
Mg 279.078	231779	230760	231523
Mn 257.610	762.780	761.074	762.850
Mo 202.032	107.306	106.705	107.295
Na 330.237	2515645x	2501931x	2539252x
Ni 231.604	105.501	105.071	106.446
Pb 220.353	53.6671	52.3811	51.8633
Sb 206.834	46.9016	45.9033	49.6914
Se 196.026	111.324	118.660	109.113
Sn 189.925	201.864	204.321	200.753
Sr 216.596	1402.64	1394.19	1398.47

Label	Replicates Concentration		
Ti 334.941	101.339	101.167	101.358
Tl 190.794	26.0796	27.3860	33.8612
V 292.401	107.435	107.413	107.616
Zn 206.200	104.640	104.140	108.590

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	60.5233b	ppb	0.4961	0.8	3565.34
Al 308.215	5797.69b	ppb	20.4932	0.4	40127.8
As 188.980	120.256b	ppb	6.2484	5.2	72.6796
B 249.678	1050.91b	ppb	1.2740	0.1	17817.8
Ba 389.178	128.887b	ppb	0.1396	0.1	4243.17
Be 313.042	53.3265b	ppb	0.1242	0.2	162828
Ca 370.602	83005b	ppb	217.8	0.3	413713
Cd 226.502	51.7641b	ppb	0.2788	0.5	2197.45
Co 228.615	51.0853b	ppb	0.6513	1.3	517.091
Cr 267.716	103.701b	ppb	0.1100	0.1	3681.90
Cu 324.754	117.510b	ppb	0.3938	0.3	6632.27
Fe 271.441	4963.82b	ppb	19.7791	0.4	6376.16
K 766.491	127631xb	ppb	112.190	0.1	17435278
Mg 279.078	231354b	ppb	530.051	0.2	649786
Mn 257.610	762.235b	ppb	1.0061	0.1	142723
Mo 202.032	107.102b	ppb	0.3439	0.3	823.292
Na 330.237	2518943xb	ppb	18877.6	0.7	169765
Ni 231.604	105.673b	ppb	0.7032	0.7	412.138
Pb 220.353	52.6372b	ppb	0.9288	1.8	77.2365
Sb 206.834	47.4988b	ppb	1.9634	4.1	59.2372
Se 196.026	113.032b	ppb	4.9978	4.4	60.2024
Sn 189.925	202.313b	ppb	1.8261	0.9	151.345
Sr 216.596	1398.43b	ppb	4.2225	0.3	15325.0
Ti 334.941	101.288b	ppb	0.1052	0.1	45988.2
Tl 190.794	29.1089b	ppb	4.1671	14.3	10.7797
V 292.401	107.488b	ppb	0.1112	0.1	4426.17
Zn 206.200	105.790b	ppb	2.4376	2.3	343.806

x (Samp) **6/17/2014, 7:44:25 PM** **Rack 1, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.5970	10.2117	10.2843
Al 308.215	212.751	213.259	211.207
As 188.980	20.5721	25.8093	23.3613
B 249.678	103.771	103.677	103.547
Ba 389.178	10.4628	9.9002	9.6810
Be 313.042	4.1780	4.1985	4.1705
Ca 370.602	530.1	527.2	529.5
Cd 226.502	5.2380	5.1985	5.0780
Co 228.615	10.3792	9.7909	10.4900
Cr 267.716	10.2016	10.0315	10.2701
Cu 324.754	20.8646	20.9956	20.7723
Fe 271.441	51.5955	48.7850	57.9262
K 766.491	1011.80	1014.53	1010.00
Mg 279.078	537.621	537.312	533.146

Label	Replicates Concentration		
Mn 257.610	10.8523	10.8809	10.8755
Mo 202.032	9.4746	9.8066	9.9373
Na 330.237	1227.89	1378.87	1191.28
Ni 231.604	42.4153	44.6574	42.8009
Pb 220.353	9.7391	11.4464	10.2572
Sb 206.834	21.3827	25.5374	18.9040
Se 196.026	22.3549	21.2219	17.7823
Sn 189.925	52.3308	47.7647	53.8297
Sr 216.596	9.5910	9.8092	10.0992
Ti 334.941	9.9081	9.9221	9.8670
Tl 190.794	26.0463	25.0169	21.1456
V 292.401	10.1706	9.8579	10.2128
Zn 206.200	18.7135	20.3590	20.4854

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.0310	ppb	0.3776	3.8	564.880
Al 308.215	212.406	ppb	1.0689	0.5	1851.68
As 188.980	23.2476	ppb	2.6204	11.3	10.0205
B 249.678	103.665	ppb	0.1126	0.1	1835.16
Ba 389.178	10.0147	ppb	0.4033	4.0	237.038
Be 313.042	4.1824	ppb	0.0145	0.3	9534.25
Ca 370.602	528.9	ppb	1.535	0.3	2621
Cd 226.502	5.1715	ppb	0.0834	1.6	242.798
Co 228.615	10.2200	ppb	0.3758	3.7	89.5701
Cr 267.716	10.1677	ppb	0.1229	1.2	358.590
Cu 324.754	20.8775	ppb	0.1122	0.5	1371.32
Fe 271.441	52.7689	ppb	4.6822	8.9	113.575
K 766.491	1012.11	ppb	2.2787	0.2	140421
Mg 279.078	536.026	ppb	2.4993	0.5	1544.54
Mn 257.610	10.8696	ppb	0.0152	0.1	2029.89
Mo 202.032	9.7395	ppb	0.2385	2.4	80.6771
Na 330.237	1266.01	ppb	99.4357	7.9	186.533
Ni 231.604	43.2912	ppb	1.1988	2.8	171.498
Pb 220.353	10.4809	ppb	0.8753	8.4	17.0687
Sb 206.834	21.9414	ppb	3.3518	15.3	32.4812
Se 196.026	20.4530	ppb	2.3813	11.6	17.0555
Sn 189.925	51.3084	ppb	3.1591	6.2	30.7683
Sr 216.596	9.8332	ppb	0.2550	2.6	112.438
Ti 334.941	9.8991	ppb	0.0286	0.3	4385.14
Tl 190.794	24.0696	ppb	2.5840	10.7	7.1764
V 292.401	10.0805	ppb	0.1939	1.9	425.198
Zn 206.200	19.8526	ppb	0.9886	5.0	65.7321

x (Samp) **6/17/2014, 7:49:03 PM** **Rack 1, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.5404	10.1210	10.4400
Al 308.215	212.639	211.396	210.654
As 188.980	17.3253	17.8339	18.0552
B 249.678	99.6684	99.7566	99.6785
Ba 389.178	9.9041	10.3588	10.9364

Label	Replicates Concentration		
Be 313.042	4.1715	4.1731	4.1629
Ca 370.602	520.7	519.7	523.7
Cd 226.502	5.2505	5.2785	5.2512
Co 228.615	9.8216	10.5613	10.1984
Cr 267.716	9.9523	10.0857	9.8982
Cu 324.754	21.2002	20.5028	21.3006
Fe 271.441	55.8678	57.9298	49.6499
K 766.491	1002.79	1000.88	998.743
Mg 279.078	517.372	515.454	512.229
Mn 257.610	10.7233	10.7261	10.6817
Mo 202.032	10.0641	9.9069	10.4893
Na 330.237	1273.80	1206.10	1228.80
Ni 231.604	42.2994	41.6050	42.3908
Pb 220.353	12.4565	8.2469	9.9981
Sb 206.834	21.2677	16.1506	17.6236
Se 196.026	19.7667	17.5990	24.2679
Sn 189.925	52.4119	51.2271	49.1021
Sr 216.596	9.7133	9.7763	9.7362
Ti 334.941	9.8455	9.8159	9.8398
Tl 190.794	25.5320	22.1959	21.0597
V 292.401	9.9749	10.0005	10.1439
Zn 206.200	20.6593	20.7915	20.0672

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3671	ppb	0.2190	2.1	584.855
Al 308.215	211.563	ppb	1.0027	0.5	1845.93
As 188.980	17.7381	ppb	0.3743	2.1	6.4611
B 249.678	99.7012	ppb	0.0483	0.0	1768.21
Ba 389.178	10.3998	ppb	0.5174	5.0	247.493
Be 313.042	4.1692	ppb	0.0055	0.1	9492.90
Ca 370.602	521.4	ppb	2.078	0.4	2583
Cd 226.502	5.2601	ppb	0.0160	0.3	246.508
Co 228.615	10.1937	ppb	0.3699	3.6	89.2821
Cr 267.716	9.9787	ppb	0.0965	1.0	351.930
Cu 324.754	21.0012	ppb	0.4345	2.1	1378.19
Fe 271.441	54.4825	ppb	4.3103	7.9	115.765
K 766.491	1000.80	ppb	2.0259	0.2	138876
Mg 279.078	515.018	ppb	2.5990	0.5	1485.53
Mn 257.610	10.7104	ppb	0.0249	0.2	2000.30
Mo 202.032	10.1534	ppb	0.3013	3.0	83.8368
Na 330.237	1236.23	ppb	34.4546	2.8	184.524
Ni 231.604	42.0984	ppb	0.4297	1.0	166.901
Pb 220.353	10.2338	ppb	2.1147	20.7	16.7125
Sb 206.834	18.3473	ppb	2.6342	14.4	28.5145
Se 196.026	20.5445	ppb	3.4018	16.6	17.0973
Sn 189.925	50.9137	ppb	1.6770	3.3	30.4550
Sr 216.596	9.7420	ppb	0.0319	0.3	111.487
Ti 334.941	9.8337	ppb	0.0157	0.2	4355.60
Tl 190.794	22.9292	ppb	2.3246	10.1	6.3393
V 292.401	10.0398	ppb	0.0911	0.9	423.384
Zn 206.200	20.5060	ppb	0.3857	1.9	67.8486

MB 680-334024/1-A (Samp) **6/17/2014, 7:53:40 PM** **Rack 1, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	0.1383	0.0644	-0.0568u
Al 308.215	-4.7848u	-4.0162u	-3.0985u
As 188.980	0.3721	3.8539	2.0563
B 249.678	2.4473	1.4603	2.4449
Ba 389.178	-0.6639u	-0.0549u	-0.1050u
Be 313.042	0.1332	0.1223	0.1312
Ca 370.602	4.285	9.755	4.188
Cd 226.502	0.0392	0.4156	0.2137
Co 228.615	-0.0566u	0.2625	0.3020
Cr 267.716	0.0835	-0.0091u	-0.0181u
Cu 324.754	0.1838	0.4091	0.4048
Fe 271.441	3.0229	9.4683	4.1914
K 766.491	3.1910	3.2795	3.7459
Mg 279.078	1.2548	6.3317	3.3910
Mn 257.610	0.0121	0.0518	0.0556
Mo 202.032	0.7001	0.1534	0.7200
Na 330.237	283.174	104.910	352.729
Ni 231.604	0.4689	1.5577	1.0281
Pb 220.353	0.7966	1.6776	-1.6532u
Sb 206.834	-0.1361u	-3.4128u	-5.5407u
Se 196.026	5.2432	1.0975	-4.4351u
Sn 189.925	0.2835	-2.8356u	0.6704
Sr 216.596	0.2843	-0.3799u	-0.2664u
Ti 334.941	0.1224	0.1279	0.1296
Tl 190.794	-3.7534u	-4.3022u	-2.3256u
V 292.401	-0.1911u	0.0293	-0.3077u
Zn 206.200	-0.0494u	0.8732	0.8916

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0486	ppb	0.0985	202.6	-28.4039
Al 308.215	-3.9665	ppb	0.8443	21.3	368.074
As 188.980	2.0941	ppb	1.7412	83.1	-3.6486
B 249.678	2.1175	ppb	0.5691	26.9	121.128
Ba 389.178	-0.2746	ppb	0.3381	123.1	-45.8723
Be 313.042	0.1289	ppb	0.0058	4.5	-3143.19
Ca 370.602	6.076	ppb	3.186	52.4	12.46
Cd 226.502	0.2228	ppb	0.1883	84.5	35.7715
Co 228.615	0.1693	ppb	0.1966	116.2	-15.6176
Cr 267.716	0.0188	ppb	0.0562	299.9	1.0741
Cu 324.754	0.3326	ppb	0.1289	38.7	233.973
Fe 271.441	5.5609	ppb	3.4340	61.8	52.4785
K 766.491	3.4055	ppb	0.2981	8.8	2641.54
Mg 279.078	3.6591	ppb	2.5491	69.7	49.5067
Mn 257.610	0.0399	ppb	0.0241	60.4	23.0838
Mo 202.032	0.5245	ppb	0.3215	61.3	10.3463
Na 330.237	246.937	ppb	127.822	51.8	118.154
Ni 231.604	1.0183	ppb	0.5445	53.5	8.5880
Pb 220.353	0.2737	ppb	1.7259	630.7	2.4025
Sb 206.834	-3.0298	ppb	2.7226	89.9	5.1188
Se 196.026	0.6352	ppb	4.8557	764.4	7.9889

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	-0.6272	ppb	1.9223	306.5	-10.4479
Sr 216.596	-0.1207	ppb	0.3553	294.5	5.5872
Ti 334.941	0.1266	ppb	0.0037	2.9	-27.4823
Tl 190.794	-3.4604	ppb	1.0203	29.5	-13.0366
V 292.401	-0.1565	ppb	0.1711	109.4	2.3341
Zn 206.200	0.5718	ppb	0.5381	94.1	3.3381

LCS 680-334024/2-A (Samp) **6/17/2014, 7:58:18 PM** **Rack 1, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	48.4427	48.7689	49.0693
Al 308.215	4728.00	4699.43	4709.11
As 188.980	96.9035	92.4955	95.0359
B 249.678	186.480	185.752	186.887
Ba 389.178	97.1716	97.5681	97.4372
Be 313.042	50.1495	49.8046	49.9756
Ca 370.602	4917	4880	4904
Cd 226.502	50.0605	49.7955	49.8664
Co 228.615	51.1477	50.3457	50.2184
Cr 267.716	100.717	99.8665	99.8708
Cu 324.754	103.085	101.926	102.350
Fe 271.441	4857.29	4817.77	4830.76
K 766.491	4677.06	4636.29	4664.84
Mg 279.078	4758.86	4732.31	4750.89
Mn 257.610	515.464	511.833	513.169
Mo 202.032	100.390	100.037	100.439
Na 330.237	4771.13	4795.52	5109.77
Ni 231.604	100.544	99.5123	100.145
Pb 220.353	49.1589	50.4035	51.8711
Sb 206.834	41.8456	45.0445	42.3354
Se 196.026	97.5830	90.9214	85.1243
Sn 189.925	202.678	198.682	198.622
Sr 216.596	96.4881	95.8548	95.8107
Ti 334.941	98.5026	97.7928	98.1737
Tl 190.794	35.9356	36.4053	31.6295
V 292.401	101.046	100.214	100.946
Zn 206.200	97.0471	98.4126	98.0652

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.7603	ppb	0.3134	0.6	2868.09
Al 308.215	4712.18	ppb	14.5310	0.3	32690.4
As 188.980	94.8116	ppb	2.2125	2.3	56.2397
B 249.678	186.373	ppb	0.5750	0.3	3227.44
Ba 389.178	97.3923	ppb	0.2020	0.2	2648.55
Be 313.042	49.9766	ppb	0.1725	0.3	152753
Ca 370.602	4900	ppb	18.62	0.4	24351
Cd 226.502	49.9075	ppb	0.1372	0.3	2129.86
Co 228.615	50.5706	ppb	0.5038	1.0	511.711
Cr 267.716	100.151	ppb	0.4898	0.5	3528.38
Cu 324.754	102.454	ppb	0.5861	0.6	5884.10
Fe 271.441	4835.27	ppb	20.1416	0.4	6212.22

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	4659.40	ppb	20.9188	0.4	638605
Mg 279.078	4747.35	ppb	13.6205	0.3	13359.8
Mn 257.610	513.489	ppb	1.8364	0.4	95020.3
Mo 202.032	100.289	ppb	0.2192	0.2	771.305
Na 330.237	4892.14	ppb	188.864	3.9	426.585
Ni 231.604	100.067	ppb	0.5202	0.5	390.528
Pb 220.353	50.4778	ppb	1.3576	2.7	74.2020
Sb 206.834	43.0752	ppb	1.7230	4.0	54.4817
Se 196.026	91.2096	ppb	6.2343	6.8	49.6451
Sn 189.925	199.994	ppb	2.3249	1.2	148.766
Sr 216.596	96.0512	ppb	0.3790	0.4	1057.16
Ti 334.941	98.1564	ppb	0.3552	0.4	44236.7
Tl 190.794	34.6568	ppb	2.6322	7.6	14.8134
V 292.401	100.735	ppb	0.4542	0.5	4169.41
Zn 206.200	97.8416	ppb	0.7097	0.7	318.083

280-56422-B-1-A (Samp) **6/17/2014, 8:02:56 PM** **Rack 1, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	-0.1844u	-0.2018u	-0.3663u
Al 308.215	17.9849	18.5114	17.0025
As 188.980	4.0680	-1.8411u	-0.6133u
B 249.678	162.078	162.292	164.395
Ba 389.178	512.938	510.709	512.910
Be 313.042	0.0777	0.0648	0.0718
Ca 370.602	2141	2145	2150
Cd 226.502	0.0906	0.0546	0.1057
Co 228.615	-0.2380u	0.0811	-0.6944u
Cr 267.716	0.2201	0.3504	0.4918
Cu 324.754	1.0562	1.2547	1.2343
Fe 271.441	505.920	514.750	505.596
K 766.491	3103.08	3101.85	3107.06
Mg 279.078	567.871	566.279	571.560
Mn 257.610	8.2463	8.1651	8.2037
Mo 202.032	6.3141	6.1094	5.8461
Na 330.237	601242x	600748x	597822x
Ni 231.604	3.5617	2.9895	3.7306
Pb 220.353	2.1100	0.7440	-2.3048u
Sb 206.834	-3.3296u	-6.8145u	0.0625u
Se 196.026	-5.0738u	-4.1697u	5.0183
Sn 189.925	-0.0515	-2.3681u	0.0109
Sr 216.596	405.085	401.093	405.088
Ti 334.941	0.4246	0.3899	0.4084
Tl 190.794	-4.8667u	-2.3278u	-13.3527u
V 292.401	0.2290	0.3406	0.0462u
Zn 206.200	0.8913	1.3470	2.4289

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2509b	ppb	0.1004	40.0	-46.2346
Al 308.215	17.8329b	ppb	0.7658	4.3	517.843
As 188.980	0.5379b	ppb	3.1182	579.7	-4.6571

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	162.922b	ppb	1.2806	0.8	2834.48
Ba 389.178	512.186b	ppb	1.2790	0.2	13953.5
Be 313.042	0.0714b	ppb	0.0065	9.1	-3423.25
Ca 370.602	2145b	ppb	4.475	0.2	10666
Cd 226.502	0.0836b	ppb	0.0262	31.4	28.5078
Co 228.615	-0.2837b	ppb	0.3898	137.4	-20.4715
Cr 267.716	0.3541b	ppb	0.1359	38.4	19.6816
Cu 324.754	1.1818b	ppb	0.1092	9.2	278.784
Fe 271.441	508.755b	ppb	5.1937	1.0	693.659
K 766.491	3104.00b	ppb	2.7234	0.1	426152
Mg 279.078	568.570b	ppb	2.7089	0.5	1634.76
Mn 257.610	8.2050b	ppb	0.0406	0.5	1536.45
Mo 202.032	6.0899b	ppb	0.2347	3.9	52.7737
Na 330.237	599937xb	ppb	1848.29	0.3	40511.2
Ni 231.604	3.4273b	ppb	0.3884	11.3	17.8960
Pb 220.353	0.1831b	ppb	2.2602	1234.7	2.2574
Sb 206.834	-3.3605b	ppb	3.4386	102.3	4.6372
Se 196.026	-1.4084b	ppb	5.5840	396.5	7.0837
Sn 189.925	-0.8029b	ppb	1.3558	168.9	-10.4111
Sr 216.596	403.755b	ppb	2.3054	0.6	4423.30
Ti 334.941	0.4076b	ppb	0.0174	4.3	35.7136
Tl 190.794	-6.8491b	ppb	5.7736	84.3	-15.5542
V 292.401	0.2053b	ppb	0.1486	72.4	9.6329
Zn 206.200	1.5557b	ppb	0.7898	50.8	6.5387

280-56422-B-1-B MS (Samp) **6/17/2014, 8:07:35 PM** **Rack 1, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	50.0836	50.0970	49.9837
Al 308.215	4917.54	4921.13	4907.91
As 188.980	99.6959	105.687	99.6592
B 249.678	340.704	342.111	343.143
Ba 389.178	584.136	583.451	583.809
Be 313.042	49.9435	49.8731	49.7736
Ca 370.602	6904	6846	6839
Cd 226.502	49.0479	49.4692	49.3286
Co 228.615	48.5872	49.2355	49.1736
Cr 267.716	99.4446	99.1544	99.0528
Cu 324.754	104.022	103.580	103.506
Fe 271.441	5227.94	5209.18	5203.91
K 766.491	9834.02	9867.08	9829.40
Mg 279.078	5113.93	5111.57	5109.24
Mn 257.610	509.482	509.132	507.459
Mo 202.032	103.127	103.392	103.125
Na 330.237	578493x	575521x	579940x
Ni 231.604	99.9941	98.3836	97.1880
Pb 220.353	47.2486	48.1166	48.8800
Sb 206.834	43.6014	40.3671	46.6915
Se 196.026	96.2399	98.6138	104.677
Sn 189.925	194.895	201.489	200.805
Sr 216.596	478.557	478.518	477.671

Label	Replicates Concentration		
Ti 334.941	96.0260	95.9608	95.7548
Tl 190.794	31.2189	30.6741	37.6188
V 292.401	99.5775	99.4276	98.7661
Zn 206.200	99.3836	100.055	98.9636

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0548b	ppb	0.0619	0.1	2944.95
Al 308.215	4915.53b	ppb	6.8338	0.1	34083.6
As 188.980	101.681b	ppb	3.4698	3.4	60.6751
B 249.678	341.986b	ppb	1.2245	0.4	5853.28
Ba 389.178	583.798b	ppb	0.3429	0.1	15935.3
Be 313.042	49.8634b	ppb	0.0853	0.2	152303
Ca 370.602	6863b	ppb	35.80	0.5	34129
Cd 226.502	49.2819b	ppb	0.2145	0.4	2101.94
Co 228.615	48.9988b	ppb	0.3578	0.7	495.159
Cr 267.716	99.2173b	ppb	0.2033	0.2	3501.95
Cu 324.754	103.703b	ppb	0.2795	0.3	5951.27
Fe 271.441	5213.67b	ppb	12.6304	0.2	6694.22
K 766.491	9843.50b	ppb	20.5523	0.2	1346703
Mg 279.078	5111.58b	ppb	2.3462	0.0	14381.7
Mn 257.610	508.691b	ppb	1.0813	0.2	94134.8
Mo 202.032	103.215b	ppb	0.1539	0.1	793.598
Na 330.237	577984xb	ppb	2252.71	0.4	39028.2
Ni 231.604	98.5219b	ppb	1.4082	1.4	384.592
Pb 220.353	48.0817b	ppb	0.8163	1.7	70.7336
Sb 206.834	43.5534b	ppb	3.1625	7.3	54.9408
Se 196.026	99.8435b	ppb	4.3507	4.4	53.6141
Sn 189.925	199.063b	ppb	3.6256	1.8	148.195
Sr 216.596	478.249b	ppb	0.5005	0.1	5237.85
Ti 334.941	95.9139b	ppb	0.1415	0.1	43163.3
Tl 190.794	33.1706b	ppb	3.8618	11.6	13.6915
V 292.401	99.2571b	ppb	0.4318	0.4	4101.23
Zn 206.200	99.4674b	ppb	0.5505	0.6	323.363

280-56422-B-1-C MSD (Samp) **6/17/2014, 8:12:13 PM** **Rack 1, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	49.9858	50.2544	50.4697
Al 308.215	4916.15	4908.05	4892.61
As 188.980	104.520	105.701	105.224
B 249.678	340.340	341.329	339.414
Ba 389.178	572.909	571.979	571.901
Be 313.042	49.8720	49.7924	49.7522
Ca 370.602	6848	6799	6832
Cd 226.502	48.9504	49.1947	49.3984
Co 228.615	49.4539	48.8902	48.6122
Cr 267.716	99.1290	99.1150	99.1669
Cu 324.754	103.721	103.543	104.020
Fe 271.441	5209.59	5196.71	5207.61
K 766.491	9740.65	9739.95	9698.25
Mg 279.078	5108.10	5104.97	5103.56

Label	Replicates Concentration		
Mn 257.610	509.035	507.583	507.556
Mo 202.032	103.168	103.682	103.785
Na 330.237	561055x	561529x	559844x
Ni 231.604	98.1320	98.9988	97.8677
Pb 220.353	50.6704	48.3495	47.5136
Sb 206.834	45.3662	49.1659	45.4980
Se 196.026	103.254	95.2171	90.4685
Sn 189.925	196.855	199.237	196.212
Sr 216.596	470.188	471.157	470.795
Ti 334.941	95.9186	95.8575	95.7464
Tl 190.794	30.3078	38.4385	28.8814
V 292.401	98.9252	99.3176	99.0448
Zn 206.200	98.4982	99.9885	99.8907

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.2366b	ppb	0.2424	0.5	2955.75
Al 308.215	4905.60b	ppb	11.9561	0.2	34015.7
As 188.980	105.148b	ppb	0.5941	0.6	62.9155
B 249.678	340.361b	ppb	0.9580	0.3	5825.85
Ba 389.178	572.263b	ppb	0.5606	0.1	15620.3
Be 313.042	49.8055b	ppb	0.0610	0.1	152124
Ca 370.602	6826b	ppb	24.90	0.4	33945
Cd 226.502	49.1811b	ppb	0.2243	0.5	2097.85
Co 228.615	48.9854b	ppb	0.4289	0.9	495.012
Cr 267.716	99.1370b	ppb	0.0269	0.0	3498.94
Cu 324.754	103.761b	ppb	0.2407	0.2	5954.56
Fe 271.441	5204.64b	ppb	6.9341	0.1	6682.78
K 766.491	9726.28b	ppb	24.2800	0.2	1330692
Mg 279.078	5105.55b	ppb	2.3227	0.0	14364.8
Mn 257.610	508.058b	ppb	0.8463	0.2	94017.8
Mo 202.032	103.545b	ppb	0.3307	0.3	796.117
Na 330.237	560809xb	ppb	869.130	0.2	37871.3
Ni 231.604	98.3328b	ppb	0.5917	0.6	383.863
Pb 220.353	48.8445b	ppb	1.6356	3.3	71.8310
Sb 206.834	46.6767b	ppb	2.1567	4.6	58.3692
Se 196.026	96.3131b	ppb	6.4627	6.7	52.0003
Sn 189.925	197.435b	ppb	1.5933	0.8	146.898
Sr 216.596	470.713b	ppb	0.4899	0.1	5155.45
Ti 334.941	95.8408b	ppb	0.0873	0.1	43132.1
Tl 190.794	32.5426b	ppb	5.1556	15.8	13.2310
V 292.401	99.0959b	ppb	0.2011	0.2	4094.54
Zn 206.200	99.4591b	ppb	0.8336	0.8	323.336

280-56422-B-1-A (Samp) **6/17/2014, 8:16:52 PM** **Rack 1, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	0.1086	0.0225	0.1490
Al 308.215	-2.2227u	-5.7134u	-1.8008u
As 188.980	4.6122	-4.0368u	8.8179
B 249.678	6.1374	5.3646	5.0422
Ba 389.178	10.5402	10.9228	10.4839

Label	Replicates Concentration		
Be 313.042	0.1453	0.1595	0.1467
Ca 370.602	54.91	49.15	53.19
Cd 226.502	0.1062	0.1533	0.2166
Co 228.615	0.3085	0.0355	0.2394
Cr 267.716	0.2005	-0.0258u	-0.1684u
Cu 324.754	0.4371	0.4122	0.2648
Fe 271.441	17.0498	16.8842	14.3731
K 766.491	69.1101	68.8848	69.2744
Mg 279.078	19.7620	17.4309	19.8033
Mn 257.610	0.3522	0.3665	0.3761
Mo 202.032	0.3250	0.2241	0.3605
Na 330.237	10717.1	10558.6	10782.4
Ni 231.604	0.7626	1.9120	1.7183
Pb 220.353	-0.2506u	0.2488	3.3827
Sb 206.834	2.5087	1.8430	-1.6341u
Se 196.026	6.1715	0.3305	-6.6976u
Sn 189.925	1.5215	-4.6528u	1.8528
Sr 216.596	8.9387	8.0956	8.4126
Ti 334.941	0.0910	0.0893	0.0234
Tl 190.794	-3.2646u	-3.0222u	-1.1631u
V 292.401	0.0086	0.2109	-0.0847u
Zn 206.200	-0.5705u	-0.3271u	-0.4242u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0934	ppb	0.0646	69.2	-25.7442
Al 308.215	-3.2456	ppb	2.1475	66.2	373.011
As 188.980	3.1311	ppb	6.5541	209.3	-2.9788
B 249.678	5.5147	ppb	0.5628	10.2	178.493
Ba 389.178	10.6490	ppb	0.2388	2.2	252.544
Be 313.042	0.1505	ppb	0.0078	5.2	-3077.30
Ca 370.602	52.42	ppb	2.958	5.6	243.3
Cd 226.502	0.1587	ppb	0.0554	34.9	33.0686
Co 228.615	0.1945	ppb	0.1419	73.0	-15.3500
Cr 267.716	0.0021	ppb	0.1861	8889.7	0.6038
Cu 324.754	0.3714	ppb	0.0931	25.1	236.064
Fe 271.441	16.1024	ppb	1.4998	9.3	65.8374
K 766.491	69.0898	ppb	0.1956	0.3	11613.4
Mg 279.078	18.9987	ppb	1.3580	7.1	92.5631
Mn 257.610	0.3649	ppb	0.0120	3.3	83.2977
Mo 202.032	0.3032	ppb	0.0708	23.3	8.6557
Na 330.237	10686.1	ppb	115.083	1.1	821.301
Ni 231.604	1.4643	ppb	0.6154	42.0	10.3075
Pb 220.353	1.1270	ppb	1.9694	174.8	3.6311
Sb 206.834	0.9058	ppb	2.2247	245.6	9.4540
Se 196.026	-0.0652	ppb	6.4437	9884.0	7.6693
Sn 189.925	-0.4262	ppb	3.6641	859.8	-10.2853
Sr 216.596	8.4823	ppb	0.4259	5.0	99.6614
Ti 334.941	0.0679	ppb	0.0386	56.8	-55.0792
Tl 190.794	-2.4833	ppb	1.1497	46.3	-12.3209
V 292.401	0.0450	ppb	0.1511	336.1	10.6787
Zn 206.200	-0.4406	ppb	0.1225	27.8	0.0602

280-56422-B-1-B MS (Samp) **6/17/2014, 8:21:32 PM** **Rack 1, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	1.0479	1.6701	1.4710
Al 308.215	115.938	114.359	115.214
As 188.980	6.6756	2.1516	1.3767
B 249.678	8.4374	8.5327	8.2088
Ba 389.178	14.8435	14.4876	14.5625
Be 313.042	1.3494	1.3493	1.3299
Ca 370.602	176.0	178.2	177.0
Cd 226.502	1.4763	1.2831	1.2281
Co 228.615	1.0705	1.4010	1.2017
Cr 267.716	2.3045	2.2866	2.3140
Cu 324.754	2.9511	2.7147	2.8491
Fe 271.441	132.545	138.832	133.763
K 766.491	167.974	168.192	168.250
Mg 279.078	131.441	136.518	134.489
Mn 257.610	12.9222	12.9555	12.9065
Mo 202.032	2.2068	2.9026	3.2619
Na 330.237	12114.5	11965.1	12120.8
Ni 231.604	4.5880	2.0253	4.4415
Pb 220.353	0.5398	1.5814	0.5727
Sb 206.834	-2.4807u	-3.1100u	1.1520
Se 196.026	6.0290	-1.5393u	-4.2634u
Sn 189.925	7.5427	5.1823	4.8629
Sr 216.596	11.6122	12.2729	11.8421
Ti 334.941	2.4826	2.4662	2.4685
Tl 190.794	-2.6960u	-2.7659u	1.7195
V 292.401	2.3511	2.6276	2.4485
Zn 206.200	2.4273	2.0583	2.4068

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.3963	ppb	0.3178	22.8	51.7295
Al 308.215	115.171	ppb	0.7903	0.7	1184.58
As 188.980	3.4013	ppb	2.8620	84.1	-2.8046
B 249.678	8.3930	ppb	0.1665	2.0	226.955
Ba 389.178	14.6312	ppb	0.1877	1.3	361.973
Be 313.042	1.3429	ppb	0.0112	0.8	651.588
Ca 370.602	177.0	ppb	1.120	0.6	863.0
Cd 226.502	1.3292	ppb	0.1303	9.8	82.4243
Co 228.615	1.2244	ppb	0.1664	13.6	-4.5771
Cr 267.716	2.3017	ppb	0.0139	0.6	81.6222
Cu 324.754	2.8383	ppb	0.1186	4.2	372.548
Fe 271.441	135.047	ppb	3.3340	2.5	217.566
K 766.491	168.139	ppb	0.1458	0.1	25142.5
Mg 279.078	134.150	ppb	2.5555	1.9	415.650
Mn 257.610	12.9281	ppb	0.0250	0.2	2407.71
Mo 202.032	2.7904	ppb	0.5364	19.2	27.6270
Na 330.237	12066.8	ppb	88.1040	0.7	914.191
Ni 231.604	3.6849	ppb	1.4391	39.1	18.8711
Pb 220.353	0.8980	ppb	0.5921	65.9	3.2896
Sb 206.834	-1.4796	ppb	2.3006	155.5	6.7916
Se 196.026	0.0754	ppb	5.3328	7070.9	7.7399

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	5.8626	ppb	1.4637	25.0	-5.2941
Sr 216.596	11.9091	ppb	0.3354	2.8	137.147
Ti 334.941	2.4724	ppb	0.0089	0.4	1030.51
Tl 190.794	-1.2475	ppb	2.5697	206.0	-11.4170
V 292.401	2.4757	ppb	0.1402	5.7	111.045
Zn 206.200	2.2974	ppb	0.2074	9.0	8.9217

Cont Calib Verif (CCV) **6/17/2014, 8:26:10 PM** **Rack 1, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	492.437	491.093	486.664
Al 308.215	4787.54	4793.74	4779.11
As 188.980	470.565	470.539	475.732
B 249.678	477.327	481.091	479.863
Ba 389.178	4929.70	4932.53	4897.47
Be 313.042	492.194	491.695	488.624
Ca 370.602	4983	4985	4949
Cd 226.502	493.546	494.105	490.726
Co 228.615	496.219	497.173	495.083
Cr 267.716	4915.93	4918.76	4888.52
Cu 324.754	4992.35	4974.30	4988.60
Fe 271.441	4912.69	4919.36	4882.09
K 766.491	9677.75	9694.95	9628.08
Mg 279.078	4869.21	4855.66	4833.82
Mn 257.610	4988.54	5008.83	4962.97
Mo 202.032	492.630	493.477	490.864
Na 330.237	7328.40	7190.98	7265.36
Ni 231.604	2456.97	2453.96	2444.61
Pb 220.353	499.914	500.272	498.765
Sb 206.834	962.558	966.275	949.020
Se 196.026	4869.24	4837.66	4828.61
Sn 189.925	4906.68	4918.02	4873.81
Sr 216.596	2408.63	2407.47	2391.47
Ti 334.941	486.327	486.776	484.132
Tl 190.794	4969.29	4973.28	4941.87
V 292.401	4932.29	4932.25	4911.00
Zn 206.200	2463.42	2453.01	2445.14

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	490.065	ppb	3.0210	0.6	29127.0	98.01294
Al 308.215	4786.80	ppb	7.3402	0.2	33523.8	95.73595
As 188.980	472.279	ppb	2.9904	0.6	300.232	94.45573
B 249.678	479.427	ppb	1.9193	0.4	8188.02	95.88536
Ba 389.178	4919.90	ppb	19.4776	0.4	134373	98.39799
Be 313.042	490.838	ppb	1.9336	0.4	1533168	98.16752
Ca 370.602	4972	ppb	19.92	0.4	24818	99.44611
Cd 226.502	492.793	ppb	1.8112	0.4	20642.5	98.55851
Co 228.615	496.159	ppb	1.0464	0.2	5174.45	99.23173
Cr 267.716	4907.73	ppb	16.7025	0.3	172878	98.15469
Cu 324.754	4985.08	ppb	9.5289	0.2	276281	99.70167
Fe 271.441	4904.71	ppb	19.8763	0.4	6366.81	98.09426

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9666.92	ppb	34.7255	0.4	1322584	96.66925
Mg 279.078	4852.90	ppb	17.8558	0.4	13655.9	97.05798
Mn 257.610	4986.78	ppb	22.9788	0.5	922229	99.73559
Mo 202.032	492.324	ppb	1.3331	0.3	3760.98	98.46478
Na 330.237	7261.58	ppb	68.7918	0.9	571.181	96.82105
Ni 231.604	2451.85	ppb	6.4423	0.3	9453.61	98.07390
Pb 220.353	499.650	ppb	0.7871	0.2	723.261	99.93009
Sb 206.834	959.285	ppb	9.0813	0.9	1092.88	95.92845
Se 196.026	4845.17	ppb	21.3328	0.4	2223.75	96.90343
Sn 189.925	4899.50	ppb	22.9621	0.5	3878.28	97.99009
Sr 216.596	2402.52	ppb	9.5891	0.4	26159.4	96.10094
Ti 334.941	485.745	ppb	1.4152	0.3	219194	97.14900
Tl 190.794	4961.48	ppb	17.0957	0.3	3635.49	99.22959
V 292.401	4925.18	ppb	12.2793	0.2	204598	98.50360
Zn 206.200	2453.86	ppb	9.1657	0.4	7928.63	98.15427

Cont Calib Blank (CCB) **6/17/2014, 8:30:47 PM** **Rack 1, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.3535	0.2551	0.0895
Al 308.215	-4.6787u	-4.5803u	-3.8745u
As 188.980	0.5145	2.0093	6.0042
B 249.678	2.8708	2.4534	1.8523
Ba 389.178	0.6753	1.0949	0.8810
Be 313.042	0.1776	0.1626	0.1700
Ca 370.602	2.639	3.063	2.680
Cd 226.502	0.2712	0.0486	0.1257
Co 228.615	0.2745	0.3735	0.3993
Cr 267.716	0.5438	0.5026	0.6330
Cu 324.754	1.0264	0.9630	0.8523
Fe 271.441	5.8454	3.4136	6.1419
K 766.491	1.2223	1.2430	0.7462
Mg 279.078	2.1089	0.0262	0.6735
Mn 257.610	0.5150	0.4435	0.3583
Mo 202.032	0.6787	0.1725	0.7286
Na 330.237	3.6547	437.894	136.068
Ni 231.604	1.9621	0.7031	2.3227
Pb 220.353	0.9318	3.0729	1.8569
Sb 206.834	0.7933	0.5499	-2.2192u
Se 196.026	1.4726	-4.4079u	-3.0049u
Sn 189.925	1.9114	5.0537	3.3120
Sr 216.596	-0.0262u	-0.3879u	0.5370
Ti 334.941	0.1122	0.1379	0.1539
Tl 190.794	-1.5737u	-1.5365u	-2.3229u
V 292.401	0.3805	0.4851	0.4807
Zn 206.200	1.1253	0.2916	0.7962

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2327	ppb	0.1335	57.4	-17.4616	0.23269
Al 308.215	-4.3778	ppb	0.4386	10.0	365.288	-4.37784
As 188.980	2.8427	ppb	2.8381	99.8	-3.1650	2.84265

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	2.3922	ppb	0.5120	21.4	125.790	2.39216
Ba 389.178	0.8837	ppb	0.2099	23.7	-14.2453	0.88372
Be 313.042	0.1701	ppb	0.0075	4.4	-3014.30	0.17005
Ca 370.602	2.794	ppb	0.2339	8.4	-3.891	2.79367
Cd 226.502	0.1485	ppb	0.1131	76.1	32.6622	0.14850
Co 228.615	0.3491	ppb	0.0659	18.9	-13.7342	0.34911
Cr 267.716	0.5598	ppb	0.0667	11.9	20.1325	0.55980
Cu 324.754	0.9472	ppb	0.0881	9.3	268.015	0.94722
Fe 271.441	5.1337	ppb	1.4970	29.2	51.9159	5.13366
K 766.491	1.0705	ppb	0.2811	26.3	2322.60	1.07050
Mg 279.078	0.9362	ppb	1.0659	113.9	41.8610	0.93620
Mn 257.610	0.4389	ppb	0.0785	17.9	96.8605	0.43894
Mo 202.032	0.5266	ppb	0.3077	58.4	10.3620	0.52662
Na 330.237	192.539	ppb	222.560	115.6	114.489	192.53909
Ni 231.604	1.6627	ppb	0.8503	51.1	11.0714	1.66267
Pb 220.353	1.9539	ppb	1.0739	55.0	4.8214	1.95388
Sb 206.834	-0.2920	ppb	1.6734	573.1	8.1365	-0.29201
Se 196.026	-1.9800	ppb	3.0713	155.1	6.7934	-1.98005
Sn 189.925	3.4257	ppb	1.5742	46.0	-7.2316	3.42570
Sr 216.596	0.0410	ppb	0.4661	1137.9	7.3145	0.04096
Ti 334.941	0.1347	ppb	0.0210	15.6	-23.8426	0.13469
Tl 190.794	-1.8110	ppb	0.4436	24.5	-11.8261	-1.81104
V 292.401	0.4488	ppb	0.0591	13.2	27.5061	0.44877
Zn 206.200	0.7377	ppb	0.4199	56.9	3.8732	0.73771

280-56422-B-1-C MSD (Samp) **6/17/2014, 8:35:25 PM** **Rack 1, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	1.1880	1.2454	1.0655
Al 308.215	93.7992	89.1042	91.9505
As 188.980	1.9552	-0.1424u	3.6463
B 249.678	7.8765	7.1345	7.6690
Ba 389.178	11.6766	12.2009	12.3302
Be 313.042	1.1173	1.1286	1.1265
Ca 370.602	142.8	142.5	143.0
Cd 226.502	1.0594	1.1480	1.1262
Co 228.615	1.1091	1.4586	1.3329
Cr 267.716	2.0672	1.9953	2.0700
Cu 324.754	2.5834	2.5976	2.7093
Fe 271.441	105.933	105.036	108.338
K 766.491	139.810	138.337	138.666
Mg 279.078	110.391	113.066	115.866
Mn 257.610	10.6569	10.5396	10.5904
Mo 202.032	2.4535	2.2856	2.2590
Na 330.237	9730.58	9804.47	9754.59
Ni 231.604	2.5360	2.9949	3.3657
Pb 220.353	1.7294	2.3453	0.2197
Sb 206.834	1.7827	-2.6079u	1.3301
Se 196.026	2.4346	0.7246	7.7624
Sn 189.925	8.5673	4.2683	6.1792
Sr 216.596	9.7524	9.6860	10.0292

Label	Replicates Concentration		
Ti 334.941	2.0103	2.0355	2.0644
Tl 190.794	-3.4468u	-2.5936u	-3.4702u
V 292.401	2.2224	1.8200	2.2703
Zn 206.200	1.3558	2.1097	2.0754

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.1663	ppb	0.0919	7.9	38.0518
Al 308.215	91.6180	ppb	2.3651	2.6	1023.16
As 188.980	1.8197	ppb	1.8980	104.3	-3.8263
B 249.678	7.5600	ppb	0.3828	5.1	212.928
Ba 389.178	12.0692	ppb	0.3461	2.9	291.859
Be 313.042	1.1242	ppb	0.0060	0.5	-32.0370
Ca 370.602	142.8	ppb	0.2430	0.2	692.5
Cd 226.502	1.1112	ppb	0.0461	4.2	73.2159
Co 228.615	1.3002	ppb	0.1770	13.6	-3.7803
Cr 267.716	2.0442	ppb	0.0424	2.1	72.5259
Cu 324.754	2.6301	ppb	0.0690	2.6	361.056
Fe 271.441	106.436	ppb	1.7077	1.6	181.097
K 766.491	138.938	ppb	0.7732	0.6	21153.9
Mg 279.078	113.108	ppb	2.7380	2.4	356.633
Mn 257.610	10.5956	ppb	0.0588	0.6	1976.15
Mo 202.032	2.3327	ppb	0.1055	4.5	24.1365
Na 330.237	9763.21	ppb	37.6921	0.4	759.052
Ni 231.604	2.9655	ppb	0.4157	14.0	16.0972
Pb 220.353	1.4314	ppb	1.0937	76.4	4.0600
Sb 206.834	0.1683	ppb	2.4149	1434.6	8.6157
Se 196.026	3.6405	ppb	3.6706	100.8	9.3682
Sn 189.925	6.3383	ppb	2.1539	34.0	-4.9173
Sr 216.596	9.8225	ppb	0.1820	1.9	114.334
Ti 334.941	2.0367	ppb	0.0270	1.3	834.029
Tl 190.794	-3.1702	ppb	0.4995	15.8	-12.8264
V 292.401	2.1042	ppb	0.2473	11.8	95.7532
Zn 206.200	1.8470	ppb	0.4257	23.0	7.4626

280-56422-B-2-A (Samp) **6/17/2014, 8:40:02 PM** **Rack 1, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-0.1950u	0.0191	-0.0290u
Al 308.215	2555.98	2540.80	2545.06
As 188.980	-5.3928u	-5.3860u	-1.0929u
B 249.678	162.574	160.729	161.971
Ba 389.178	301.958	302.152	300.869
Be 313.042	0.1563	0.1537	0.1413
Ca 370.602	3767	3743	3755
Cd 226.502	-0.0491u	-0.0474u	-0.0058
Co 228.615	0.1005	0.2891	0.8596
Cr 267.716	2.0377	2.3459	1.9507
Cu 324.754	3.3341	3.9421	3.9552
Fe 271.441	1297.64	1300.08	1294.32
K 766.491	3285.39	3273.35	3292.57
Mg 279.078	770.150	767.511	767.946

Label	Replicates Concentration		
Mn 257.610	33.3987	33.2824	33.4322
Mo 202.032	1.1300	2.1845	1.5206
Na 330.237	793249x	788964x	789645x
Ni 231.604	2.3101	3.4504	2.8353
Pb 220.353	1.9352	-0.5994u	3.4523
Sb 206.834	-0.0150u	-7.1398u	3.4968
Se 196.026	-11.4173u	4.8130	8.7064
Sn 189.925	0.4568	-4.7772u	-1.4808u
Sr 216.596	595.632	592.542	591.729
Ti 334.941	15.0215	15.2910	14.8843
Tl 190.794	-2.9702u	-1.0623u	-6.9021u
V 292.401	4.8877	4.6679	4.7163
Zn 206.200	5.8207	5.6901	5.0185

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0683b	ppb	0.1123	164.4	-35.3730
Al 308.215	2547.28b	ppb	7.8249	0.3	17846.2
As 188.980	-3.9572b	ppb	2.4805	62.7	-7.5700
B 249.678	161.758b	ppb	0.9409	0.6	2814.20
Ba 389.178	301.660b	ppb	0.6919	0.2	8206.00
Be 313.042	0.1504b	ppb	0.0080	5.3	-3203.84
Ca 370.602	3755b	ppb	11.83	0.3	18682
Cd 226.502	-0.0341b	ppb	0.0245	71.9	25.3695
Co 228.615	0.4164b	ppb	0.3952	94.9	-12.6873
Cr 267.716	2.1114b	ppb	0.2077	9.8	83.7263
Cu 324.754	3.7438b	ppb	0.3549	9.5	418.453
Fe 271.441	1297.35b	ppb	2.8894	0.2	1698.66
K 766.491	3283.77b	ppb	9.7099	0.3	450707
Mg 279.078	768.536b	ppb	1.4146	0.2	2194.34
Mn 257.610	33.3711b	ppb	0.0786	0.2	6193.24
Mo 202.032	1.6117b	ppb	0.5331	33.1	18.5000
Na 330.237	790620xb	ppb	2302.87	0.3	53354.3
Ni 231.604	2.8653b	ppb	0.5707	19.9	15.7694
Pb 220.353	1.5960b	ppb	2.0470	128.3	4.1290
Sb 206.834	-1.2193b	ppb	5.4196	444.5	7.1070
Se 196.026	0.7007b	ppb	10.6735	1523.3	8.0837
Sn 189.925	-1.9337b	ppb	2.6462	136.8	-11.2526
Sr 216.596	593.301b	ppb	2.0591	0.3	6497.56
Ti 334.941	15.0656b	ppb	0.2069	1.4	6632.44
Tl 190.794	-3.6449b	ppb	2.9778	81.7	-13.2683
V 292.401	4.7573b	ppb	0.1155	2.4	199.140
Zn 206.200	5.5098b	ppb	0.4304	7.8	19.3622

280-56422-B-2-A (Samp) **6/17/2014, 8:44:39 PM** **Rack 1, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	0.0885	-0.1567u	-0.0043u
Al 308.215	74.2768	70.5586	72.0754
As 188.980	3.7564	7.7495	5.7779
B 249.678	3.4364	3.6277	3.3720
Ba 389.178	6.1082	6.4075	7.1122

Label	Replicates Concentration		
Be 313.042	0.1434	0.1412	0.1346
Ca 370.602	81.29	82.15	82.42
Cd 226.502	0.2278	0.0568	-0.0132u
Co 228.615	-0.1833u	-0.0362u	0.1139
Cr 267.716	-0.2177u	0.0653	0.0589
Cu 324.754	0.7915	0.3622	0.4408
Fe 271.441	31.7145	31.7601	38.5431
K 766.491	46.3968	45.8885	46.7675
Mg 279.078	20.1436	19.8289	22.0266
Mn 257.610	0.7219	0.7575	0.7273
Mo 202.032	0.2719	-0.1685u	0.6541
Na 330.237	13280.8	13183.8	13375.8
Ni 231.604	1.3736	1.3050	1.7939
Pb 220.353	-1.7282u	0.0872	1.3024
Sb 206.834	-7.0093u	-1.5927u	-0.5310u
Se 196.026	-4.8391u	-5.7461u	-8.7618u
Sn 189.925	3.7757	1.2611	0.9373
Sr 216.596	11.9041	12.3866	12.6613
Ti 334.941	3.0871	3.1385	2.7641
Tl 190.794	-3.1866u	-3.0768u	-0.4596u
V 292.401	0.0920	0.4614	-0.1109u
Zn 206.200	0.6770	0.2815	0.2069

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0241	ppb	0.1238	512.9	-32.7305
Al 308.215	72.3036	ppb	1.8696	2.6	890.571
As 188.980	5.7613	ppb	1.9966	34.7	-1.2797
B 249.678	3.4787	ppb	0.1330	3.8	144.073
Ba 389.178	6.5426	ppb	0.5155	7.9	140.438
Be 313.042	0.1397	ppb	0.0046	3.3	-3111.29
Ca 370.602	81.95	ppb	0.5906	0.7	391.0
Cd 226.502	0.0905	ppb	0.1240	137.1	30.2671
Co 228.615	-0.0352	ppb	0.1486	422.1	-17.6933
Cr 267.716	-0.0312	ppb	0.1616	518.2	-0.5399
Cu 324.754	0.5315	ppb	0.2286	43.0	244.837
Fe 271.441	34.0059	ppb	3.9293	11.6	88.6899
K 766.491	46.3509	ppb	0.4413	1.0	8507.47
Mg 279.078	20.6664	ppb	1.1885	5.8	97.2004
Mn 257.610	0.7356	ppb	0.0192	2.6	151.897
Mo 202.032	0.2525	ppb	0.4116	163.0	8.2666
Na 330.237	13280.2	ppb	95.9978	0.7	995.969
Ni 231.604	1.4908	ppb	0.2647	17.8	10.4106
Pb 220.353	-0.1129	ppb	1.5252	1351.4	1.8405
Sb 206.834	-3.0443	ppb	3.4745	114.1	5.1087
Se 196.026	-6.4490	ppb	2.0537	31.8	4.7517
Sn 189.925	1.9914	ppb	1.5538	78.0	-8.3660
Sr 216.596	12.3173	ppb	0.3833	3.1	141.632
Ti 334.941	2.9966	ppb	0.2030	6.8	1266.65
Tl 190.794	-2.2410	ppb	1.5437	68.9	-12.1440
V 292.401	0.1475	ppb	0.2902	196.7	15.0095
Zn 206.200	0.3885	ppb	0.2526	65.0	2.7454

280-56422-B-3-A (Samp) **6/17/2014, 8:49:17 PM** **Rack 1, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-0.0666u	-0.2943u	-0.0039u
Al 308.215	13.1717	14.1660	13.7857
As 188.980	5.1575	5.8064	-1.4823u
B 249.678	57.5681	57.7287	57.8863
Ba 389.178	329.596	330.563	329.791
Be 313.042	0.0838	0.0674	0.0726
Ca 370.602	2127	2127	2129
Cd 226.502	0.2019	0.2046	-0.2621u
Co 228.615	-0.1811u	0.5660	0.0051
Cr 267.716	0.4948	0.1959	0.4651
Cu 324.754	1.2069	0.8178	0.6052
Fe 271.441	278.636	284.878	280.345
K 766.491	2271.67	2280.58	2271.07
Mg 279.078	416.665	413.806	411.846
Mn 257.610	5.0985	5.0794	5.1796
Mo 202.032	0.9270	0.8677	1.9391
Na 330.237	589152x	584525x	586804x
Ni 231.604	2.5663	1.0871	1.0742
Pb 220.353	2.8000	2.2577	-2.3823u
Sb 206.834	-6.8478u	-4.1158u	-3.7931u
Se 196.026	-1.5232u	6.3352	3.5173
Sn 189.925	-0.4773u	1.4568	1.5495
Sr 216.596	375.424	376.753	375.577
Ti 334.941	0.3600	0.3561	0.3873
Tl 190.794	-6.4032u	-10.9511u	-3.9550u
V 292.401	0.3044	0.3939	0.2588
Zn 206.200	0.4184	0.4844	0.7433

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1216b	ppb	0.1528	125.7	-38.5364
Al 308.215	13.7078b	ppb	0.5017	3.7	489.229
As 188.980	3.1605b	ppb	4.0339	127.6	-2.9620
B 249.678	57.7277b	ppb	0.1591	0.3	1059.38
Ba 389.178	329.984b	ppb	0.5116	0.2	8976.11
Be 313.042	0.0746b	ppb	0.0084	11.2	-3409.84
Ca 370.602	2127b	ppb	1.160	0.1	10583
Cd 226.502	0.0481b	ppb	0.2687	558.1	26.2870
Co 228.615	0.1300b	ppb	0.3889	299.2	-16.0278
Cr 267.716	0.3853b	ppb	0.1646	42.7	20.6170
Cu 324.754	0.8766b	ppb	0.3051	34.8	261.790
Fe 271.441	281.286b	ppb	3.2260	1.1	403.814
K 766.491	2274.44b	ppb	5.3215	0.2	312843
Mg 279.078	414.105b	ppb	2.4235	0.6	1201.54
Mn 257.610	5.1192b	ppb	0.0532	1.0	964.050
Mo 202.032	1.2446b	ppb	0.6022	48.4	15.8122
Na 330.237	586827xb	ppb	2313.24	0.4	39628.3
Ni 231.604	1.5759b	ppb	0.8578	54.4	10.7503
Pb 220.353	0.8918b	ppb	2.8484	319.4	3.2867
Sb 206.834	-4.9189b	ppb	1.6782	34.1	3.0287
Se 196.026	2.7764b	ppb	3.9812	143.4	8.9902

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.8430b	ppb	1.1444	135.7	-9.1091
Sr 216.596	375.918b	ppb	0.7271	0.2	4118.81
Ti 334.941	0.3678b	ppb	0.0170	4.6	18.8095
Tl 190.794	-7.1031b	ppb	3.5502	50.0	-15.7250
V 292.401	0.3190b	ppb	0.0688	21.6	15.9136
Zn 206.200	0.5487b	ppb	0.1717	31.3	3.2702

280-56422-B-3-A (Samp) **6/17/2014, 8:53:55 PM** **Rack 1, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	0.3540	0.1356	1.0464
Al 308.215	-3.5091u	-2.9851u	-3.5699u
As 188.980	1.5662	-3.5228u	-0.6941u
B 249.678	1.6724	1.0366	0.6620
Ba 389.178	7.6938	8.0274	7.7732
Be 313.042	0.1216	0.1351	0.1466
Ca 370.602	49.48	51.58	51.52
Cd 226.502	-0.0780u	-0.1835u	0.1618
Co 228.615	0.2502	0.7160	0.5576
Cr 267.716	0.1542	0.0825	-0.1294u
Cu 324.754	0.3180	0.4612	0.3841
Fe 271.441	11.1231	12.2828	10.3598
K 766.491	36.8484	36.4009	35.3745
Mg 279.078	10.5859	10.1505	12.9171
Mn 257.610	0.2072	0.1616	0.1804
Mo 202.032	0.7013	0.5485	0.3591
Na 330.237	11485.5	11669.8	11220.5
Ni 231.604	0.0982	0.7193	1.7747
Pb 220.353	-1.3744u	0.1567	0.2059
Sb 206.834	-3.3829u	-4.5430u	-4.0770u
Se 196.026	-2.7122u	0.2239	-10.2962u
Sn 189.925	3.6792	-0.1254u	2.6923
Sr 216.596	8.2125	8.5770	8.4495
Ti 334.941	0.1033	0.0234	0.0287
Tl 190.794	-1.8489u	-3.7651u	-4.1791u
V 292.401	-0.1493u	0.1184	0.0079
Zn 206.200	0.1548	-0.1087u	-0.6972u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5120	ppb	0.4755	92.9	-0.8658
Al 308.215	-3.3547	ppb	0.3215	9.6	372.272
As 188.980	-0.8836	ppb	2.5498	288.6	-5.5725
B 249.678	1.1237	ppb	0.5108	45.5	104.326
Ba 389.178	7.8314	ppb	0.1743	2.2	175.560
Be 313.042	0.1344	ppb	0.0125	9.3	-3127.80
Ca 370.602	50.86	ppb	1.196	2.4	235.5
Cd 226.502	-0.0332	ppb	0.1769	532.6	25.0331
Co 228.615	0.5079	ppb	0.2369	46.6	-12.0733
Cr 267.716	0.0357	ppb	0.1475	412.6	1.7985
Cu 324.754	0.3878	ppb	0.0717	18.5	236.980
Fe 271.441	11.2552	ppb	0.9683	8.6	59.7217

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	36.2079	ppb	0.7556	2.1	7122.04
Mg 279.078	11.2178	ppb	1.4876	13.3	70.7173
Mn 257.610	0.1830	ppb	0.0229	12.5	49.5962
Mo 202.032	0.5363	ppb	0.1714	32.0	10.4355
Na 330.237	11458.6	ppb	225.844	2.0	873.337
Ni 231.604	0.8641	ppb	0.8476	98.1	7.9941
Pb 220.353	-0.3373	ppb	0.8985	266.4	1.5231
Sb 206.834	-4.0010	ppb	0.5838	14.6	4.0504
Se 196.026	-4.2615	ppb	5.4285	127.4	5.7508
Sn 189.925	2.0820	ppb	1.9743	94.8	-8.2946
Sr 216.596	8.4130	ppb	0.1850	2.2	98.9360
Ti 334.941	0.0518	ppb	0.0447	86.3	-62.4522
Tl 190.794	-3.2643	ppb	1.2432	38.1	-12.8932
V 292.401	-0.0077	ppb	0.1345	1757.1	8.4195
Zn 206.200	-0.2170	ppb	0.4362	201.0	0.7838

280-56422-B-4-A (Samp) **6/17/2014, 8:58:33 PM** **Rack 1, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-0.0333u	0.0687	0.6794
Al 308.215	5.6505	10.3497	10.8183
As 188.980	0.2823	-0.3770u	-4.1372u
B 249.678	81.0335	81.6780	82.6181
Ba 389.178	452.357	455.039	455.810
Be 313.042	0.0897	0.0753	0.0757
Ca 370.602	2136	2149	2145
Cd 226.502	0.0377u	0.0146u	0.0852
Co 228.615	-0.3325u	0.4931	0.3640
Cr 267.716	0.0370	0.0446	-0.2103u
Cu 324.754	0.7293	0.7039	0.9069
Fe 271.441	164.734	167.291	159.386
K 766.491	2570.32	2586.90	2590.84
Mg 279.078	295.271	296.696	297.755
Mn 257.610	4.9973	5.0288	5.1095
Mo 202.032	1.4103	0.6248	0.6263
Na 330.237	630152x	621373x	625233x
Ni 231.604	1.5916	1.9288	1.3933
Pb 220.353	1.3364	-1.8181u	-1.2322u
Sb 206.834	-5.2046u	-2.6070u	-7.1582u
Se 196.026	-11.6976u	0.3940	2.7896
Sn 189.925	-1.0085u	-3.1397u	0.2237
Sr 216.596	429.722	429.831	429.828
Ti 334.941	0.2885	0.2776	0.3156
Tl 190.794	-3.2981u	-6.2999u	-7.2264u
V 292.401	0.0922u	0.2320	0.4469
Zn 206.200	0.0553	-0.0415u	-0.2939u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2383b	ppb	0.3854	161.7	-17.1353
Al 308.215	8.9395b	ppb	2.8580	32.0	456.526
As 188.980	-1.4106b	ppb	2.3842	169.0	-5.9143

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	81.7766b	ppb	0.7969	1.0	1465.34
Ba 389.178	454.402b	ppb	1.8127	0.4	12373.6
Be 313.042	0.0802b	ppb	0.0082	10.2	-3398.74
Ca 370.602	2143b	ppb	6.825	0.3	10665
Cd 226.502	0.0458b	ppb	0.0360	78.4	25.5509
Co 228.615	0.1749b	ppb	0.4441	253.9	-15.5563
Cr 267.716	-0.0429b	ppb	0.1451	338.0	5.9760
Cu 324.754	0.7800b	ppb	0.1106	14.2	256.416
Fe 271.441	163.804b	ppb	4.0335	2.5	254.089
K 766.491	2582.69b	ppb	10.8887	0.4	354947
Mg 279.078	296.574b	ppb	1.2462	0.4	871.754
Mn 257.610	5.0452b	ppb	0.0578	1.1	949.003
Mo 202.032	0.8871b	ppb	0.4531	51.1	13.0967
Na 330.237	625586xb	ppb	4400.07	0.7	42239.0
Ni 231.604	1.6379b	ppb	0.2708	16.5	10.9836
Pb 220.353	-0.5713b	ppb	1.6779	293.7	1.1832
Sb 206.834	-4.9899b	ppb	2.2832	45.8	2.9559
Se 196.026	-2.8380b	ppb	7.7656	273.6	6.4206
Sn 189.925	-1.3082b	ppb	1.7016	130.1	-10.8047
Sr 216.596	429.794b	ppb	0.0620	0.0	4707.88
Ti 334.941	0.2939b	ppb	0.0196	6.7	-19.1593
Tl 190.794	-5.6081b	ppb	2.0535	36.6	-14.6213
V 292.401	0.2570b	ppb	0.1786	69.5	13.0115
Zn 206.200	-0.0934b	ppb	0.1803	193.1	1.1887

280-56422-B-4-A (Samp) **6/17/2014, 9:03:12 PM** **Rack 1, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-0.0427u	0.0892	0.4648
Al 308.215	-2.9424u	-4.3667u	-4.7243u
As 188.980	-0.0611u	-0.7293u	-0.1229u
B 249.678	1.8050	1.9083	0.7979
Ba 389.178	12.4268	10.9846	11.3638
Be 313.042	0.1315	0.1380	0.1420
Ca 370.602	58.39	55.10	54.52
Cd 226.502	0.1332	0.2705	0.0941
Co 228.615	0.0920	0.3265	0.1246
Cr 267.716	-0.2156u	0.0176	-0.1041u
Cu 324.754	0.3300	0.4926	0.6704
Fe 271.441	11.6152	12.0515	6.6755
K 766.491	42.0466	41.7168	40.1485
Mg 279.078	10.0993	9.5262	9.4434
Mn 257.610	0.1408	0.1576	0.2042
Mo 202.032	0.4843	0.8454	0.1339
Na 330.237	12942.2	12595.0	12045.8
Ni 231.604	1.0164	1.5191	1.9940
Pb 220.353	0.3089	2.1183	-0.6764u
Sb 206.834	-2.3383u	-5.5885u	-4.0475u
Se 196.026	4.6971	0.1944	4.3833
Sn 189.925	2.2213	1.6743	0.3726
Sr 216.596	10.5141	9.7747	9.9936

Label	Replicates Concentration		
Ti 334.941	0.0356	0.0316	0.0459
Tl 190.794	1.2152	-3.6601u	-2.2974u
V 292.401	-0.0588u	-0.0505u	0.0480
Zn 206.200	-0.3099u	0.0253	0.0485

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1705	ppb	0.2634	154.5	-21.1638
Al 308.215	-4.0111	ppb	0.9427	23.5	367.772
As 188.980	-0.3044	ppb	0.3693	121.3	-5.1983
B 249.678	1.5037	ppb	0.6135	40.8	110.749
Ba 389.178	11.5917	ppb	0.7477	6.4	278.257
Be 313.042	0.1372	ppb	0.0053	3.8	-3119.38
Ca 370.602	56.00	ppb	2.085	3.7	261.2
Cd 226.502	0.1660	ppb	0.0927	55.8	33.3514
Co 228.615	0.1810	ppb	0.1270	70.2	-15.4958
Cr 267.716	-0.1007	ppb	0.1167	115.9	-2.9952
Cu 324.754	0.4977	ppb	0.1703	34.2	243.065
Fe 271.441	10.1141	ppb	2.9859	29.5	58.2632
K 766.491	41.3040	ppb	1.0142	2.5	7818.10
Mg 279.078	9.6897	ppb	0.3572	3.7	66.4259
Mn 257.610	0.1675	ppb	0.0328	19.6	46.7076
Mo 202.032	0.4879	ppb	0.3557	72.9	10.0657
Na 330.237	12527.6	ppb	451.943	3.6	945.346
Ni 231.604	1.5098	ppb	0.4889	32.4	10.4827
Pb 220.353	0.5836	ppb	1.4174	242.9	2.8486
Sb 206.834	-3.9914	ppb	1.6259	40.7	4.0599
Se 196.026	3.0916	ppb	2.5140	81.3	9.1124
Sn 189.925	1.4227	ppb	0.9497	66.8	-8.8175
Sr 216.596	10.0941	ppb	0.3798	3.8	117.286
Ti 334.941	0.0377	ppb	0.0074	19.6	-68.9622
Tl 190.794	-1.5808	ppb	2.5154	159.1	-11.6581
V 292.401	-0.0204	ppb	0.0594	290.8	7.8890
Zn 206.200	-0.0787	ppb	0.2005	254.9	1.2323

280-56422-B-5-A (Samp) **6/17/2014, 9:07:51 PM** **Rack 1, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	0.2441	0.1063	-0.0827u
Al 308.215	26.3760	28.6143	27.6400
As 188.980	-2.5856u	-2.3113u	-1.7532u
B 249.678	192.688	194.134	193.749
Ba 389.178	596.356	596.687	593.408
Be 313.042	0.0977	0.1044	0.0920
Ca 370.602	3345	3338	3332
Cd 226.502	-0.0827u	-0.0730u	-0.0058
Co 228.615	0.0119	-0.0057	0.2723
Cr 267.716	1.4862	1.2541	1.0142
Cu 324.754	2.3541	2.5146	2.5875
Fe 271.441	1291.81	1297.10	1278.64
K 766.491	4296.99	4322.52	4320.59
Mg 279.078	723.100	727.113	723.945

Label	Replicates Concentration		
Mn 257.610	15.9853	16.0518	16.0386
Mo 202.032	1.3381	0.8682	1.2720
Na 330.237	728989x	731345x	729407x
Ni 231.604	2.2342	2.4646	1.7120
Pb 220.353	0.4944	2.1960	4.2038
Sb 206.834	-5.6628u	-5.5668u	-3.3617u
Se 196.026	2.9247	7.4973	5.4798
Sn 189.925	1.4229	-2.8484u	-0.9067u
Sr 216.596	664.709	666.470	666.710
Ti 334.941	0.7370	0.7311	0.7875
Tl 190.794	-9.3169u	-2.4681u	-10.6051u
V 292.401	0.2302	0.5548	0.3276
Zn 206.200	-0.2918u	0.9775	1.2825

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0893b	ppb	0.1641	183.8	-26.0831
Al 308.215	27.5434b	ppb	1.1223	4.1	584.009
As 188.980	-2.2167b	ppb	0.4242	19.1	-6.4455
B 249.678	193.524b	ppb	0.7491	0.4	3350.26
Ba 389.178	595.484b	ppb	1.8050	0.3	16230.8
Be 313.042	0.0980b	ppb	0.0062	6.3	-3359.96
Ca 370.602	3338b	ppb	6.139	0.2	16601
Cd 226.502	-0.0538b	ppb	0.0419	77.8	24.8517
Co 228.615	0.0928b	ppb	0.1556	167.6	-16.3442
Cr 267.716	1.2515b	ppb	0.2360	18.9	52.7628
Cu 324.754	2.4854b	ppb	0.1194	4.8	349.569
Fe 271.441	1289.18b	ppb	9.5033	0.7	1688.18
K 766.491	4313.37b	ppb	14.2173	0.3	591341
Mg 279.078	724.719b	ppb	2.1156	0.3	2071.30
Mn 257.610	16.0252b	ppb	0.0352	0.2	2985.49
Mo 202.032	1.1594b	ppb	0.2544	21.9	15.0513
Na 330.237	729914xb	ppb	1257.51	0.2	49265.6
Ni 231.604	2.1369b	ppb	0.3856	18.0	12.9608
Pb 220.353	2.2981b	ppb	1.8568	80.8	5.2953
Sb 206.834	-4.8637b	ppb	1.3017	26.8	3.0996
Se 196.026	5.3006b	ppb	2.2916	43.2	10.1804
Sn 189.925	-0.7774b	ppb	2.1385	275.1	-10.3529
Sr 216.596	665.963b	ppb	1.0928	0.2	7292.08
Ti 334.941	0.7519b	ppb	0.0310	4.1	177.602
Tl 190.794	-7.4634b	ppb	4.3737	58.6	-16.0461
V 292.401	0.3708b	ppb	0.1666	44.9	17.0780
Zn 206.200	0.6561b	ppb	0.8349	127.3	3.6490

280-56422-B-5-A (Samp) **6/17/2014, 9:12:30 PM** **Rack 1, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	0.3489	-0.0242u	0.5791
Al 308.215	-4.4920u	-3.2013u	-4.0491u
As 188.980	2.2104	-3.2995u	2.0747
B 249.678	4.4306	3.8973	4.5145
Ba 389.178	13.2310	12.4212	12.9668

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Label	Replicates Concentration		
Be 313.042	0.1369	0.1432	0.1408
Ca 370.602	75.67	76.67	73.71
Cd 226.502	0.1029	0.1077	-0.0220u
Co 228.615	-0.1881u	-0.3369u	-0.3075u
Cr 267.716	0.0293	-0.0957u	0.1416
Cu 324.754	0.1488	0.4889	0.2872
Fe 271.441	30.1814	29.4739	27.5279
K 766.491	59.0580	58.9302	58.9769
Mg 279.078	16.2642	17.6366	16.5654
Mn 257.610	0.4387	0.4294	0.4018
Mo 202.032	0.4015	0.2989	0.4743
Na 330.237	12809.7	12646.9	12802.2
Ni 231.604	0.4036	0.6787	1.1525
Pb 220.353	-1.1430u	-6.0165u	0.8255
Sb 206.834	-1.8887u	-3.1861u	-0.0183u
Se 196.026	9.3690	-7.9130u	-7.2656u
Sn 189.925	3.7601	3.2394	3.7019
Sr 216.596	13.6254	14.2237	13.6640
Ti 334.941	0.0555	0.0814	0.0625
Tl 190.794	-6.3171u	-0.8371u	-4.3773u
V 292.401	-0.1478u	-0.1447u	-0.0790u
Zn 206.200	0.5582	0.5305	-0.3516u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3013	ppb	0.3045	101.1	-13.3908
Al 308.215	-3.9141	ppb	0.6559	16.8	368.422
As 188.980	0.3285	ppb	3.1427	956.7	-4.7896
B 249.678	4.2808	ppb	0.3348	7.8	157.614
Ba 389.178	12.8730	ppb	0.4129	3.2	313.310
Be 313.042	0.1403	ppb	0.0032	2.3	-3109.57
Ca 370.602	75.35	ppb	1.507	2.0	357.4
Cd 226.502	0.0629	ppb	0.0735	116.9	29.1002
Co 228.615	-0.2775	ppb	0.0788	28.4	-20.2913
Cr 267.716	0.0251	ppb	0.1187	473.1	1.4394
Cu 324.754	0.3083	ppb	0.1710	55.5	232.550
Fe 271.441	29.0611	ppb	1.3741	4.7	82.3701
K 766.491	58.9884	ppb	0.0647	0.1	10233.6
Mg 279.078	16.8221	ppb	0.7213	4.3	86.4151
Mn 257.610	0.4233	ppb	0.0192	4.5	94.1141
Mo 202.032	0.3916	ppb	0.0881	22.5	9.3289
Na 330.237	12752.9	ppb	91.9103	0.7	960.509
Ni 231.604	0.7449	ppb	0.3788	50.8	7.5358
Pb 220.353	-2.1113	ppb	3.5223	166.8	-1.0301
Sb 206.834	-1.6977	ppb	1.5925	93.8	6.5884
Se 196.026	-1.9365	ppb	9.7963	505.9	6.8143
Sn 189.925	3.5671	ppb	0.2853	8.0	-7.1156
Sr 216.596	13.8377	ppb	0.3348	2.4	158.288
Ti 334.941	0.0665	ppb	0.0134	20.2	-55.9444
Tl 190.794	-3.8438	ppb	2.7786	72.3	-13.3198
V 292.401	-0.1239	ppb	0.0389	31.4	3.6199
Zn 206.200	0.2457	ppb	0.5175	210.6	2.2828

680-102217-D-1-A (Samp) **6/17/2014, 9:17:09 PM** **Rack 1, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	0.1391	0.2014	0.2512
Al 308.215	128.473	131.194	129.681
As 188.980	0.1682	-1.6613u	1.8929
B 249.678	140.475	140.328	139.720
Ba 389.178	17.8442	17.0908	17.0884
Be 313.042	0.0998	0.0849	0.0983
Ca 370.602	46654	46639	46644
Cd 226.502	0.3413	0.2542	0.4625
Co 228.615	12.9511	12.6930	12.9705
Cr 267.716	1.3660	1.3157	1.0690
Cu 324.754	142.542	143.181	143.745
Fe 271.441	5975.76	5963.30	5956.43
K 766.491	91406.6x	91383.8x	91267.0x
Mg 279.078	27906.4	27927.1	27901.3
Mn 257.610	399.259	398.698	398.962
Mo 202.032	46.3401	45.5240	45.6806
Na 330.237	55850.4	55533.9	55480.4
Ni 231.604	16.2346	17.5292	16.3341
Pb 220.353	0.6269	-0.0650u	2.2780
Sb 206.834	-4.1662u	-6.8081u	-3.9901u
Se 196.026	4.4421	8.0619	-5.4697u
Sn 189.925	-1.3149u	2.6826	-0.5677u
Sr 216.596	224.376	222.619	222.975
Ti 334.941	0.5193	0.5778	0.5056
Tl 190.794	-6.4137u	-7.0076u	-6.7472u
V 292.401	1.1807	1.0443	1.3066
Zn 206.200	689.681	689.727	688.439

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1972b	ppb	0.0562	28.5	-19.0544
Al 308.215	129.783b	ppb	1.3631	1.1	1287.81
As 188.980	0.1333b	ppb	1.7773	1333.6	-4.9570
B 249.678	140.174b	ppb	0.4002	0.3	2446.41
Ba 389.178	17.3412b	ppb	0.4357	2.5	539.391
Be 313.042	0.0943b	ppb	0.0082	8.7	-3252.74
Ca 370.602	46646b	ppb	7.561	0.0	232408
Cd 226.502	0.3527b	ppb	0.1046	29.7	62.5907
Co 228.615	12.8715b	ppb	0.1549	1.2	116.628
Cr 267.716	1.2502b	ppb	0.1590	12.7	45.0740
Cu 324.754	143.156b	ppb	0.6018	0.4	8095.46
Fe 271.441	5965.17b	ppb	9.7999	0.2	7648.09
K 766.491	91352.5xb	ppb	74.8765	0.1	12480036
Mg 279.078	27911.6b	ppb	13.6810	0.0	78413.9
Mn 257.610	398.973b	ppb	0.2803	0.1	74022.3
Mo 202.032	45.8482b	ppb	0.4331	0.9	355.668
Na 330.237	55621.6b	ppb	199.974	0.4	3842.69
Ni 231.604	16.6993b	ppb	0.7204	4.3	69.3061
Pb 220.353	0.9466b	ppb	1.2038	127.2	3.2161
Sb 206.834	-4.9881b	ppb	1.5786	31.6	1.9838
Se 196.026	2.3448b	ppb	7.0054	298.8	9.3130

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.2667b	ppb	2.1253	797.0	-9.7223
Sr 216.596	223.323b	ppb	0.9291	0.4	2468.70
Ti 334.941	0.5342b	ppb	0.0384	7.2	226.861
Tl 190.794	-6.7228b	ppb	0.2977	4.4	-15.7030
V 292.401	1.1772b	ppb	0.1312	11.1	46.7716
Zn 206.200	689.283b	ppb	0.7305	0.1	2233.57

Cont Calib Verif (CCV) **6/17/2014, 9:21:47 PM** **Rack 1, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	490.173	488.212	484.429
Al 308.215	4783.56	4777.45	4786.68
As 188.980	470.061	470.044	460.606
B 249.678	480.805	480.528	481.654
Ba 389.178	4879.86	4883.64	4887.60
Be 313.042	485.104	485.488	486.625
Ca 370.602	4922	4933	4934
Cd 226.502	487.696	488.722	489.048
Co 228.615	491.804	491.492	491.500
Cr 267.716	4857.25	4858.76	4869.13
Cu 324.754	4964.50	5033.35	4984.47
Fe 271.441	4855.87	4863.28	4869.28
K 766.491	9786.18	9768.41	9783.75
Mg 279.078	4799.74	4805.98	4813.55
Mn 257.610	4936.20	4939.30	4955.26
Mo 202.032	491.059	490.485	492.759
Na 330.237	7236.55	7275.42	7100.80
Ni 231.604	2433.46	2434.15	2422.06
Pb 220.353	493.554	494.583	489.083
Sb 206.834	960.181	950.508	961.411
Se 196.026	4851.15	4885.10	4875.33
Sn 189.925	4851.22	4844.86	4843.40
Sr 216.596	2366.58	2371.99	2371.52
Ti 334.941	483.413	483.050	483.990
Tl 190.794	4878.38	4912.80	4907.78
V 292.401	4886.84	4887.73	4899.04
Zn 206.200	2409.23	2420.51	2419.89

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.605	ppb	2.9201	0.6	28980.5	97.52090
Al 308.215	4782.56	ppb	4.6935	0.1	33492.8	95.65126
As 188.980	466.903	ppb	5.4540	1.2	296.759	93.38069
B 249.678	480.996	ppb	0.5871	0.1	8214.47	96.19913
Ba 389.178	4883.70	ppb	3.8693	0.1	133384	97.67394
Be 313.042	485.739	ppb	0.7909	0.2	1517211	97.14773
Ca 370.602	4929	ppb	6.656	0.1	24604	98.58479
Cd 226.502	488.489	ppb	0.7055	0.1	20462.5	97.69772
Co 228.615	491.599	ppb	0.1782	0.0	5126.69	98.31976
Cr 267.716	4861.71	ppb	6.4626	0.1	171256	97.23428
Cu 324.754	4994.11	ppb	35.4230	0.7	276781	99.88212
Fe 271.441	4862.81	ppb	6.7171	0.1	6312.86	97.25621

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9779.44	ppb	9.6372	0.1	1337953	97.79444
Mg 279.078	4806.42	ppb	6.9136	0.1	13525.5	96.12846
Mn 257.610	4943.59	ppb	10.2296	0.2	914241	98.87171
Mo 202.032	491.434	ppb	1.1822	0.2	3754.22	98.28688
Na 330.237	7204.26	ppb	91.6771	1.3	567.516	96.05679
Ni 231.604	2429.89	ppb	6.7924	0.3	9368.99	97.19555
Pb 220.353	492.407	ppb	2.9243	0.6	712.808	98.48132
Sb 206.834	957.366	ppb	5.9717	0.6	1090.43	95.73665
Se 196.026	4870.53	ppb	17.4807	0.4	2235.33	97.41051
Sn 189.925	4846.49	ppb	4.1557	0.1	3836.21	96.92987
Sr 216.596	2370.03	ppb	2.9936	0.1	25805.0	94.80126
Ti 334.941	483.484	ppb	0.4739	0.1	218173	96.69685
Tl 190.794	4899.65	ppb	18.5905	0.4	3590.08	97.99307
V 292.401	4891.20	ppb	6.8027	0.1	203187	97.82402
Zn 206.200	2416.54	ppb	6.3411	0.3	7807.97	96.66158

Cont Calib Blank (CCB) **6/17/2014, 9:26:25 PM** **Rack 1, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.0754	0.1653	0.5409
Al 308.215	-7.2952u	-5.7378u	-5.5712u
As 188.980	-3.7080u	3.7296	2.7102
B 249.678	2.6761	2.5014	1.4545
Ba 389.178	0.7408	0.2518	0.8934
Be 313.042	0.1854	0.1894	0.1614
Ca 370.602	0.2165	3.649	6.462
Cd 226.502	0.1573	-0.0637u	0.0366
Co 228.615	0.2370	0.3587	0.2054
Cr 267.716	0.2190	0.1691	0.0733
Cu 324.754	0.8170	0.7121	0.5046
Fe 271.441	5.6788	2.6013	7.5208
K 766.491	1.0884	0.7267	0.6002
Mg 279.078	-0.3354u	1.0902	2.3303
Mn 257.610	0.3846	0.2777	0.2976
Mo 202.032	0.6172	0.8076	0.4423
Na 330.237	146.079	-46.7199u	228.871
Ni 231.604	1.5795	0.3039	0.8135
Pb 220.353	-1.5804u	-1.0455u	-0.3558u
Sb 206.834	-1.1302u	-6.1802u	-2.3396u
Se 196.026	3.6825	-10.3366u	-5.2950u
Sn 189.925	-0.0247u	3.1238	5.1221
Sr 216.596	0.3127	-0.3734u	-0.0774u
Ti 334.941	0.1483	0.1039	0.0999
Tl 190.794	0.8448	-3.6720u	-5.4693u
V 292.401	0.3406	0.3275	0.0872
Zn 206.200	0.4822	0.5441	-0.3704u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2605	ppb	0.2470	94.8	-15.8081	0.26052
Al 308.215	-6.2014	ppb	0.9509	15.3	352.800	-6.20143
As 188.980	0.9106	ppb	4.0321	442.8	-4.4132	0.91059

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	2.2107	ppb	0.6607	29.9	122.721	2.21067
Ba 389.178	0.6287	ppb	0.3352	53.3	-21.2141	0.62866
Be 313.042	0.1787	ppb	0.0151	8.5	-2987.15	0.17874
Ca 370.602	3.442	ppb	3.128	90.9	-0.6393	3.44245
Cd 226.502	0.0434	ppb	0.1107	255.1	28.2651	0.04339
Co 228.615	0.2670	ppb	0.0809	30.3	-14.5965	0.26703
Cr 267.716	0.1538	ppb	0.0740	48.1	5.8248	0.15379
Cu 324.754	0.6779	ppb	0.1590	23.5	253.098	0.67790
Fe 271.441	5.2670	ppb	2.4855	47.2	52.0562	5.26697
K 766.491	0.8051	ppb	0.2534	31.5	2286.35	0.80511
Mg 279.078	1.0284	ppb	1.3339	129.7	42.1231	1.02837
Mn 257.610	0.3200	ppb	0.0569	17.8	74.8636	0.32000
Mo 202.032	0.6223	ppb	0.1827	29.4	11.0929	0.62234
Na 330.237	109.410	ppb	141.407	129.2	108.892	109.40987
Ni 231.604	0.8990	ppb	0.6421	71.4	8.1282	0.89895
Pb 220.353	-0.9939	ppb	0.6140	61.8	0.5785	-0.99389
Sb 206.834	-3.2167	ppb	2.6368	82.0	4.9126	-3.21670
Se 196.026	-3.9830	ppb	7.1011	178.3	5.8776	-3.98303
Sn 189.925	2.7404	ppb	2.5947	94.7	-7.7754	2.74042
Sr 216.596	-0.0461	ppb	0.3441	747.2	6.3944	-0.04606
Ti 334.941	0.1174	ppb	0.0268	22.9	-31.6440	0.11737
Tl 190.794	-2.7655	ppb	3.2532	117.6	-12.5268	-2.76548
V 292.401	0.2518	ppb	0.1427	56.7	19.3017	0.25176
Zn 206.200	0.2186	ppb	0.5111	233.8	2.1938	0.21863

680-102217-A-2-A (Samp) **6/17/2014, 9:31:02 PM** **Rack 1, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	0.1286	0.1110	0.3537
Al 308.215	0.9950	-1.0029u	-2.9459u
As 188.980	-3.4467u	1.6019	-1.6250u
B 249.678	8.6422	8.2501	8.5688
Ba 389.178	18.9933	19.6407	19.4085
Be 313.042	0.1322	0.1272	0.1272
Ca 370.602	5944	5936	5956
Cd 226.502	0.1271	0.0547	0.0877
Co 228.615	0.0665	0.1757	0.2535
Cr 267.716	0.1184	0.0199	0.0575
Cu 324.754	49.5652	49.6888	49.5854
Fe 271.441	-1.5316u	-0.3615u	3.0443
K 766.491	1072.39	1071.11	1074.00
Mg 279.078	1316.96	1318.33	1314.75
Mn 257.610	3.0184	3.0557	2.9727
Mo 202.032	0.6810	-0.1503u	0.1838
Na 330.237	24977.2	25166.0	25118.0
Ni 231.604	2.1285	3.1517	2.4203
Pb 220.353	3.3136	-3.2998u	1.6834
Sb 206.834	-1.6331u	-0.4144u	-3.6741u
Se 196.026	3.8238	-6.2747u	-4.8001u
Sn 189.925	-2.4654u	-0.2191u	1.6759
Sr 216.596	52.3409	51.0724	51.9239

Label	Replicates Concentration		
Ti 334.941	0.1367	0.1195	0.1247
Tl 190.794	-2.8807u	-3.4207u	2.8473
V 292.401	1.0978	1.0970	1.1271
Zn 206.200	27.2252	26.9180	27.2907

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1978	ppb	0.1353	68.4	-19.5476
Al 308.215	-0.9846	ppb	1.9705	200.1	388.553
As 188.980	-1.1566	ppb	2.5567	221.0	-5.7489
B 249.678	8.4870	ppb	0.2085	2.5	228.633
Ba 389.178	19.3475	ppb	0.3280	1.7	494.287
Be 313.042	0.1289	ppb	0.0029	2.2	-3143.69
Ca 370.602	5945	ppb	9.822	0.2	29619
Cd 226.502	0.0898	ppb	0.0362	40.3	30.0729
Co 228.615	0.1652	ppb	0.0940	56.9	-15.6511
Cr 267.716	0.0653	ppb	0.0497	76.1	2.9787
Cu 324.754	49.6131	ppb	0.0663	0.1	2957.33
Fe 271.441	0.3838	ppb	2.3772	619.5	45.8752
K 766.491	1072.50	ppb	1.4495	0.1	148670
Mg 279.078	1316.68	ppb	1.8105	0.1	3737.16
Mn 257.610	3.0156	ppb	0.0416	1.4	583.225
Mo 202.032	0.2382	ppb	0.4183	175.6	8.1603
Na 330.237	25087.1	ppb	98.1357	0.4	1791.22
Ni 231.604	2.5668	ppb	0.5271	20.5	14.5555
Pb 220.353	0.5657	ppb	3.4454	609.0	2.8233
Sb 206.834	-1.9072	ppb	1.6470	86.4	6.3620
Se 196.026	-2.4170	ppb	5.4547	225.7	6.6343
Sn 189.925	-0.3362	ppb	2.0731	616.7	-10.2097
Sr 216.596	51.7791	ppb	0.6465	1.2	574.994
Ti 334.941	0.1270	ppb	0.0088	7.0	-26.4865
Tl 190.794	-1.1514	ppb	3.4735	301.7	-11.3404
V 292.401	1.1073	ppb	0.0171	1.5	54.8318
Zn 206.200	27.1446	ppb	0.1990	0.7	89.3800

680-102253-A-1-A (Samp) **6/17/2014, 9:35:39 PM** **Rack 1, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	-0.2306u	0.2377	-0.1142u
Al 308.215	15311.7	15316.4	15330.1
As 188.980	5.9318	4.3968	3.6956
B 249.678	3113.61	3116.95	3126.59
Ba 389.178	9.5165	9.0894	9.8837
Be 313.042	0.0822	0.0756	0.0744
Ca 370.602	21363	21365	21310
Cd 226.502	0.2034	0.5680	0.4437
Co 228.615	0.0889	0.0705	0.6928
Cr 267.716	21.2239	21.4447	21.1851
Cu 324.754	4.4706	4.1010	4.3047
Fe 271.441	0.8637	8.9676	11.8944
K 766.491	10881.4	10864.7	10889.7
Mg 279.078	1939.30	1947.59	1938.50

Label	Replicates Concentration		
Mn 257.610	37.7749	37.8519	37.6546
Mo 202.032	2.3209	2.1649	2.2879
Na 330.237	722578x	725709x	723541x
Ni 231.604	4.1786	5.5638	4.9934
Pb 220.353	-0.5029u	-0.2514u	-2.7151u
Sb 206.834	-5.0459u	-1.4697u	-1.6590u
Se 196.026	1.8458	10.0662	5.2006
Sn 189.925	1.7396	0.3094	0.0868
Sr 216.596	1952.45	1952.68	1949.55
Ti 334.941	0.4824	0.5049	0.5250
Tl 190.794	-10.1652u	-4.7557u	-10.7318u
V 292.401	0.7426	0.7537	0.6402
Zn 206.200	9.4640	9.5901	10.0887

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0357b	ppb	0.2438	683.4	-33.2405
Al 308.215	15319.4b	ppb	9.5304	0.1	105344
As 188.980	4.6747b	ppb	1.1437	24.5	-1.9809
B 249.678	3119.05b	ppb	6.7417	0.2	52722.2
Ba 389.178	9.4965b	ppb	0.3975	4.2	227.288
Be 313.042	0.0774b	ppb	0.0042	5.5	-3411.71
Ca 370.602	21346b	ppb	31.53	0.1	106395
Cd 226.502	0.4050b	ppb	0.1853	45.8	39.5050
Co 228.615	0.2841b	ppb	0.3541	124.7	-14.4493
Cr 267.716	21.2845b	ppb	0.1400	0.7	758.713
Cu 324.754	4.2921b	ppb	0.1851	4.3	429.880
Fe 271.441	7.2419b	ppb	5.7143	78.9	54.4794
K 766.491	10878.6b	ppb	12.7145	0.1	1488091
Mg 279.078	1941.80b	ppb	5.0334	0.3	5492.78
Mn 257.610	37.7605b	ppb	0.0995	0.3	7010.56
Mo 202.032	2.2579b	ppb	0.0822	3.6	23.5771
Na 330.237	723943xb	ppb	1603.64	0.2	48864.1
Ni 231.604	4.9119b	ppb	0.6962	14.2	23.6016
Pb 220.353	-1.1565b	ppb	1.3557	117.2	-0.5525
Sb 206.834	-2.7249b	ppb	2.0123	73.9	5.5898
Se 196.026	5.7042b	ppb	4.1333	72.5	10.4582
Sn 189.925	0.7119b	ppb	0.8969	126.0	-9.1727
Sr 216.596	1951.56b	ppb	1.7467	0.1	21355.7
Ti 334.941	0.5041b	ppb	0.0213	4.2	70.6339
Tl 190.794	-8.5509b	ppb	3.2990	38.6	-16.9739
V 292.401	0.7122b	ppb	0.0626	8.8	28.4906
Zn 206.200	9.7143b	ppb	0.3303	3.4	32.8597

680-102253-A-2-A (Samp) **6/17/2014, 9:40:16 PM** **Rack 1, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2792u	0.4939	0.5597
Al 308.215	15355.1	15357.4	15366.9
As 188.980	-0.8663u	-5.3775u	-1.9496u
B 249.678	3105.33	3109.34	3112.49
Ba 389.178	8.9452	9.9647	10.6044

Label	Replicates Concentration		
Be 313.042	0.0677	0.0620	0.0628
Ca 370.602	20973	20975	21003
Cd 226.502	2.6188	2.7064	2.7224
Co 228.615	0.6389	0.6094	-0.2483u
Cr 267.716	165.049	165.268	165.758
Cu 324.754	4.1248	3.9925	4.4413
Fe 271.441	37.5939	45.6143	35.4639
K 766.491	10660.3	10630.8	10661.1
Mg 279.078	1921.13	1925.68	1919.73
Mn 257.610	46.3425	46.3438	46.2130
Mo 202.032	2.3121	2.6232	2.6681
Na 330.237	707416x	712600x	711451x
Ni 231.604	3.4242	4.4402	5.9039
Pb 220.353	-0.1932u	-0.4018u	2.8877
Sb 206.834	-1.7363u	-3.9869u	-5.0219u
Se 196.026	7.0200	3.3172	1.9612
Sn 189.925	-2.3422u	-3.6064u	-5.2402u
Sr 216.596	1931.63	1934.38	1927.45
Ti 334.941	0.7576	0.7731	0.7906
Tl 190.794	-8.8136u	-13.5017u	-6.4588u
V 292.401	0.9948	0.8693	0.8464
Zn 206.200	12.0396	12.5465	12.4178

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2582b	ppb	0.4665	180.7	-15.6714
Al 308.215	15359.8b	ppb	6.2292	0.0	105620
As 188.980	-2.7311b	ppb	2.3549	86.2	-6.7658
B 249.678	3109.05b	ppb	3.5888	0.1	52553.3
Ba 389.178	9.8381b	ppb	0.8368	8.5	236.615
Be 313.042	0.0642b	ppb	0.0031	4.8	-3450.90
Ca 370.602	20984b	ppb	17.06	0.1	104588
Cd 226.502	2.6826b	ppb	0.0558	2.1	134.876
Co 228.615	0.3334b	ppb	0.5039	151.2	-13.9325
Cr 267.716	165.358b	ppb	0.3627	0.2	5835.31
Cu 324.754	4.1862b	ppb	0.2306	5.5	424.413
Fe 271.441	39.5574b	ppb	5.3525	13.5	94.7675
K 766.491	10650.7b	ppb	17.2445	0.2	1456963
Mg 279.078	1922.18b	ppb	3.1109	0.2	5437.61
Mn 257.610	46.2998b	ppb	0.0751	0.2	8589.64
Mo 202.032	2.5345b	ppb	0.1939	7.7	25.6856
Na 330.237	710489xb	ppb	2722.24	0.4	47957.8
Ni 231.604	4.5894b	ppb	1.2466	27.2	22.3602
Pb 220.353	0.7642b	ppb	1.8419	241.0	2.3094
Sb 206.834	-3.5817b	ppb	1.6799	46.9	5.8009
Se 196.026	4.0995b	ppb	2.6185	63.9	9.7243
Sn 189.925	-3.7296b	ppb	1.4529	39.0	-12.7019
Sr 216.596	1931.15b	ppb	3.4907	0.2	21132.4
Ti 334.941	0.7738b	ppb	0.0165	2.1	193.969
Tl 190.794	-9.5914b	ppb	3.5853	37.4	-17.7378
V 292.401	0.9035b	ppb	0.0799	8.8	24.2728
Zn 206.200	12.3346b	ppb	0.2634	2.1	40.7995

680-102253-A-3-A (Samp) **6/17/2014, 9:44:54 PM** **Rack 1, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1616	0.1469	0.7290
Al 308.215	4178.91	4166.74	4172.44
As 188.980	-4.0428u	-1.6638u	-4.9921u
B 249.678	3541.12	3535.56	3536.98
Ba 389.178	9.3751	9.1851	8.8821
Be 313.042	0.0778	0.0795	0.0933
Ca 370.602	31678	31641	31671
Cd 226.502	1.2449	1.1501	1.3874
Co 228.615	0.7278	0.1012	0.4992
Cr 267.716	141.988	141.673	141.860
Cu 324.754	3.1212	3.1596	2.8961
Fe 271.441	37.9231	46.9168	45.3676
K 766.491	6936.12	6919.85	6905.10
Mg 279.078	3029.37	3018.63	3025.88
Mn 257.610	119.852	119.497	119.482
Mo 202.032	2.1034	2.5088	2.7337
Na 330.237	473404x	474495x	476622x
Ni 231.604	8.1816	6.9870	8.8475
Pb 220.353	3.2630	0.7904	1.7587
Sb 206.834	3.6043	-6.3550u	-4.6957u
Se 196.026	-4.0667u	10.3027	6.9436
Sn 189.925	2.6803	-1.8085u	0.1976
Sr 216.596	1606.21	1603.64	1603.68
Ti 334.941	0.6104	0.5828	0.5454
Tl 190.794	-3.0624u	-4.9773u	-3.6975u
V 292.401	0.7136	0.6738	0.6107
Zn 206.200	25.4615	25.2159	25.6591

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3458b	ppb	0.3319	96.0	-10.2575
Al 308.215	4172.70b	ppb	6.0903	0.1	28981.2
As 188.980	-3.5662b	ppb	1.7145	48.1	-7.3054
B 249.678	3537.89b	ppb	2.8904	0.1	59790.3
Ba 389.178	9.1474b	ppb	0.2487	2.7	221.338
Be 313.042	0.0835b	ppb	0.0085	10.2	-3347.08
Ca 370.602	31663b	ppb	19.27	0.1	157827
Cd 226.502	1.2608b	ppb	0.1194	9.5	76.7640
Co 228.615	0.4427b	ppb	0.3171	71.6	-12.7916
Cr 267.716	141.840b	ppb	0.1584	0.1	5003.86
Cu 324.754	3.0590b	ppb	0.1424	4.7	350.239
Fe 271.441	43.4025b	ppb	4.8081	11.1	99.7945
K 766.491	6920.36b	ppb	15.5137	0.2	947430
Mg 279.078	3024.62b	ppb	5.4793	0.2	8533.82
Mn 257.610	119.610b	ppb	0.2095	0.2	22155.7
Mo 202.032	2.4486b	ppb	0.3194	13.0	25.0296
Na 330.237	474840xb	ppb	1636.36	0.3	32085.2
Ni 231.604	8.0053b	ppb	0.9427	11.8	35.5184
Pb 220.353	1.9374b	ppb	1.2459	64.3	4.6457
Sb 206.834	-2.4821b	ppb	5.3359	215.0	6.8180
Se 196.026	4.3932b	ppb	7.5165	171.1	9.9444

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.3565b	ppb	2.2486	630.8	-9.5281
Sr 216.596	1604.51b	ppb	1.4721	0.1	17563.6
Ti 334.941	0.5796b	ppb	0.0326	5.6	133.908
Tl 190.794	-3.9124b	ppb	0.9754	24.9	-13.4030
V 292.401	0.6661b	ppb	0.0519	7.8	19.0163
Zn 206.200	25.4455b	ppb	0.2220	0.9	83.3436

680-102236-B-1-A (Samp) **6/17/2014, 9:49:32 PM** **Rack 1, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-0.0270u	0.2160	0.1910
Al 308.215	29.2008	29.6163	28.8518
As 188.980	4.1067	1.8367	1.9267
B 249.678	251.833	249.818	245.915
Ba 389.178	-1.1609	-1.7397	-2.8613
Be 313.042	0.0601	0.0652	0.0594
Ca 370.602	109621	109590	109784
Cd 226.502	0.3656	0.0262	0.1955
Co 228.615	0.0574	0.4693	0.3497
Cr 267.716	0.1836	0.3476	0.6940
Cu 324.754	0.1597u	-0.0199u	0.0425u
Fe 271.441	-2.2156u	-3.3191u	1.3237
K 766.491	83481.9x	83453.9x	83575.4x
Mg 279.078	25816.0	25845.9	25873.4
Mn 257.610	179.127	178.973	178.983
Mo 202.032	0.4499	0.5710	-0.0992u
Na 330.237	123061x	123170x	124169x
Ni 231.604	1.5743	3.6456	1.6711
Pb 220.353	3.9269	-0.8780u	0.4097
Sb 206.834	-1.0005u	-0.9251u	-9.0204u
Se 196.026	-0.1375	9.6508	-3.9055u
Sn 189.925	-2.8893u	6.6578	-2.8932u
Sr 216.596	160.805	161.096	160.734
Ti 334.941	0.8493	0.7669	0.8044
Tl 190.794	-7.0869u	-4.3284u	-3.0825u
V 292.401	1.3187	1.2916	0.9896
Zn 206.200	0.0520	0.1982	1.6099

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1266b	ppb	0.1337	105.6	-23.4966
Al 308.215	29.2230b	ppb	0.3827	1.3	595.516
As 188.980	2.6233b	ppb	1.2854	49.0	-3.3067
B 249.678	249.188b	ppb	3.0087	1.2	4290.95
Ba 389.178	-1.9206b	ppb	0.8645	45.0	-7.1571
Be 313.042	0.0616b	ppb	0.0031	5.1	-3322.76
Ca 370.602	109665b	ppb	104.2	0.1	546675
Cd 226.502	0.1958b	ppb	0.1697	86.7	34.3054
Co 228.615	0.2921b	ppb	0.2119	72.5	-14.2556
Cr 267.716	0.4084b	ppb	0.2606	63.8	16.1808
Cu 324.754	0.0608b	ppb	0.0912	150.1	98.3490
Fe 271.441	-1.4037b	ppb	2.4256	172.8	43.6090

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	83503.7xb	ppb	63.6458	0.1	11407973
Mg 279.078	25845.1b	ppb	28.7191	0.1	72625.4
Mn 257.610	179.028b	ppb	0.0864	0.0	33317.6
Mo 202.032	0.3072b	ppb	0.3571	116.2	8.6876
Na 330.237	123467xb	ppb	611.036	0.5	8417.85
Ni 231.604	2.2970b	ppb	1.1690	50.9	13.5155
Pb 220.353	1.1529b	ppb	2.4872	215.7	3.6664
Sb 206.834	-3.6487b	ppb	4.6522	127.5	4.4459
Se 196.026	1.8693b	ppb	6.9974	374.3	9.3308
Sn 189.925	0.2918b	ppb	5.5131	1889.5	-9.6825
Sr 216.596	160.878b	ppb	0.1915	0.1	1801.87
Ti 334.941	0.8069b	ppb	0.0412	5.1	335.943
Tl 190.794	-4.8326b	ppb	2.0493	42.4	-14.0034
V 292.401	1.1999b	ppb	0.1827	15.2	58.0503
Zn 206.200	0.6200b	ppb	0.8603	138.8	3.4920

680-102236-B-2-A (Samp) **6/17/2014, 9:54:10 PM** **Rack 1, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	0.3305	0.0839	0.1586
Al 308.215	172.328	170.276	169.113
As 188.980	3.9955	8.4731	6.2305
B 249.678	51.7978	51.1188	50.9421
Ba 389.178	32.4066	31.8963	31.9820
Be 313.042	0.1440	0.1387	0.1575
Ca 370.602	35984	35925	35904
Cd 226.502	0.2602	0.3310	0.1273
Co 228.615	0.1808	0.3544	0.3598
Cr 267.716	0.5874	0.4412	0.7301
Cu 324.754	0.0986u	0.4331u	0.2502u
Fe 271.441	32.6040	39.8881	28.1756
K 766.491	11419.6	11448.0	11421.0
Mg 279.078	11139.5	11123.2	11115.4
Mn 257.610	3.5375	3.4836	3.4818
Mo 202.032	0.1357	0.6226	0.6069
Na 330.237	108511x	109788x	108413x
Ni 231.604	1.6002	1.7207	0.4595
Pb 220.353	1.7053	0.2233	1.2946
Sb 206.834	-0.9668u	-3.9922u	-5.0812u
Se 196.026	1.4158	2.4374	-5.2519u
Sn 189.925	-0.2131u	-1.5595u	-0.0592u
Sr 216.596	23.6180	23.3881	23.1455
Ti 334.941	0.5924	0.5546	0.5734
Tl 190.794	-4.7612u	-4.5710u	-0.5391u
V 292.401	2.8406	3.3250	3.0875
Zn 206.200	2.6251	3.7656	2.6474

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1910b	ppb	0.1264	66.2	-20.1008
Al 308.215	170.573b	ppb	1.6281	1.0	1563.99
As 188.980	6.2330b	ppb	2.2388	35.9	-0.9749

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	51.2862b	ppb	0.4517	0.9	950.900
Ba 389.178	32.0950b	ppb	0.2733	0.9	874.291
Be 313.042	0.1467b	ppb	0.0097	6.6	-3086.23
Ca 370.602	35938b	ppb	41.33	0.1	179134
Cd 226.502	0.2395b	ppb	0.1034	43.2	36.1398
Co 228.615	0.2983b	ppb	0.1018	34.1	-14.2454
Cr 267.716	0.5862b	ppb	0.1444	24.6	22.2536
Cu 324.754	0.2606b	ppb	0.1675	64.3	190.431
Fe 271.441	33.5559b	ppb	5.9140	17.6	88.1957
K 766.491	11429.6b	ppb	16.0079	0.1	1563343
Mg 279.078	11126.0b	ppb	12.2950	0.1	31286.7
Mn 257.610	3.5010b	ppb	0.0316	0.9	747.154
Mo 202.032	0.4551b	ppb	0.2767	60.8	9.8110
Na 330.237	108904xb	ppb	767.125	0.7	7436.93
Ni 231.604	1.2601b	ppb	0.6960	55.2	9.5216
Pb 220.353	1.0744b	ppb	0.7651	71.2	3.5445
Sb 206.834	-3.3467b	ppb	2.1318	63.7	4.7768
Se 196.026	-0.4662b	ppb	4.1758	895.7	7.7312
Sn 189.925	-0.6106b	ppb	0.8254	135.2	-10.4030
Sr 216.596	23.3839b	ppb	0.2363	1.0	274.341
Ti 334.941	0.5734b	ppb	0.0189	3.3	192.499
Tl 190.794	-3.2904b	ppb	2.3846	72.5	-12.9117
V 292.401	3.0843b	ppb	0.2422	7.9	136.397
Zn 206.200	3.0127b	ppb	0.6521	21.6	11.2402

680-102236-B-3-A (Samp) **6/17/2014, 9:58:50 PM** **Rack 1, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	0.0516	0.1250	-0.3576u
Al 308.215	55.2164	54.9842	56.4691
As 188.980	-3.1823u	2.8156	-2.0153u
B 249.678	259.178	259.948	260.563
Ba 389.178	-0.2175	0.1016	0.1362
Be 313.042	0.0728	0.0644	0.0694
Ca 370.602	122028	121790	122384
Cd 226.502	0.2884	-0.0600u	0.2407
Co 228.615	0.4939	0.1004	0.4242
Cr 267.716	0.5329	0.7773	0.5529
Cu 324.754	-0.2008u	-0.5604u	-0.8016u
Fe 271.441	-26.3932u	-30.8135u	-27.7605u
K 766.491	99462.4x	99269.5x	99408.8x
Mg 279.078	30153.3	30214.0	30252.3
Mn 257.610	64.7376	64.6708	64.8551
Mo 202.032	-0.0578u	1.0990	0.5962
Na 330.237	119364x	117617x	118041x
Ni 231.604	1.5266	1.6055	4.5698
Pb 220.353	1.2229	0.1216	0.8334
Sb 206.834	-4.8454u	-8.7278u	-5.7750u
Se 196.026	-13.2862u	-3.4615u	-7.3029u
Sn 189.925	-1.7059u	1.3032	-1.0415u
Sr 216.596	54.9381	55.6727	55.5125

Label	Replicates Concentration		
Ti 334.941	1.6072	1.6031	1.5957
Tl 190.794	-7.1744u	-6.5018u	-6.2567u
V 292.401	0.7145	0.8574	0.9620
Zn 206.200	1.2035	0.0696	0.1001

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0603b	ppb	0.2601	431.0	-35.1302
Al 308.215	55.5566b	ppb	0.7987	1.4	775.911
As 188.980	-0.7940b	ppb	3.1800	400.5	-5.5142
B 249.678	259.896b	ppb	0.6939	0.3	4471.69
Ba 389.178	0.0067b	ppb	0.1950	2891.5	59.5226
Be 313.042	0.0688b	ppb	0.0043	6.2	-3294.10
Ca 370.602	122067b	ppb	298.9	0.2	608503
Cd 226.502	0.1564b	ppb	0.1889	120.8	32.6469
Co 228.615	0.3395b	ppb	0.2100	61.9	-13.7404
Cr 267.716	0.6210b	ppb	0.1357	21.9	23.6145
Cu 324.754	-0.5209b	ppb	0.3023	58.0	52.4925
Fe 271.441	-28.3224b	ppb	2.2631	8.0	9.3317
K 766.491	99380.2xb	ppb	99.5398	0.1	13576548
Mg 279.078	30206.5b	ppb	49.9319	0.2	84874.7
Mn 257.610	64.7545b	ppb	0.0933	0.1	12219.0
Mo 202.032	0.5458b	ppb	0.5801	106.3	10.5121
Na 330.237	118341xb	ppb	911.417	0.8	8072.59
Ni 231.604	2.5673b	ppb	1.7346	67.6	14.5559
Pb 220.353	0.7260b	ppb	0.5585	76.9	3.0502
Sb 206.834	-6.4494b	ppb	2.0272	31.4	1.3604
Se 196.026	-8.0169b	ppb	4.9511	61.8	4.8746
Sn 189.925	-0.4814b	ppb	1.5808	328.4	-10.2977
Sr 216.596	55.3744b	ppb	0.3863	0.7	652.072
Ti 334.941	1.6020b	ppb	0.0058	0.4	707.220
Tl 190.794	-6.6443b	ppb	0.4752	7.2	-15.3556
V 292.401	0.8446b	ppb	0.1242	14.7	43.3085
Zn 206.200	0.4577b	ppb	0.6460	141.1	2.9650

680-102236-B-4-A (Samp) **6/17/2014, 10:03:29 PM** **Rack 1, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	0.4986	0.1496	-0.2076u
Al 308.215	41.2282	39.8292	39.2157
As 188.980	3.0699	-0.1935u	1.9288
B 249.678	167.431	168.139	167.678
Ba 389.178	51.6783	51.7642	51.8965
Be 313.042	0.0997	0.1034	0.0968
Ca 370.602	100438	100314	100376
Cd 226.502	0.0825	0.0687	0.2390
Co 228.615	0.5379	1.3453	0.1174
Cr 267.716	0.5500	0.4473	0.7514
Cu 324.754	0.3414u	0.0739u	0.3541u
Fe 271.441	-27.8734u	-30.6825u	-40.2006u
K 766.491	65976.0x	65871.1x	65949.3x
Mg 279.078	25029.8	24977.8	24999.3

Label	Replicates Concentration		
Mn 257.610	42.3424	42.2768	42.2681
Mo 202.032	0.9413	0.7402	0.3070
Na 330.237	125857x	125738x	126732x
Ni 231.604	1.7968	1.2477	3.1873
Pb 220.353	3.4426	1.0281	1.4439
Sb 206.834	-6.6486u	-2.2825u	-3.4826u
Se 196.026	1.1358	-4.8398u	0.0529
Sn 189.925	1.7384	-1.8725u	-1.0098u
Sr 216.596	134.534	132.700	133.488
Ti 334.941	0.8747	0.9484	0.8707
Tl 190.794	-7.0189u	-9.5720u	-2.4856u
V 292.401	1.9642	1.7150	2.0752
Zn 206.200	1.9817	1.4625	1.6465

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1468b	ppb	0.3531	240.5	-22.8135
Al 308.215	40.0911b	ppb	1.0315	2.6	670.038
As 188.980	1.6017b	ppb	1.6561	103.4	-3.9664
B 249.678	167.749b	ppb	0.3592	0.2	2916.55
Ba 389.178	51.7797b	ppb	0.1099	0.2	1456.68
Be 313.042	0.1000b	ppb	0.0033	3.3	-3206.41
Ca 370.602	100376b	ppb	61.74	0.1	500369
Cd 226.502	0.1300b	ppb	0.0946	72.7	31.4227
Co 228.615	0.6669b	ppb	0.6240	93.6	-10.3524
Cr 267.716	0.5829b	ppb	0.1547	26.5	22.3482
Cu 324.754	0.2565b	ppb	0.1583	61.7	119.404
Fe 271.441	-32.9188b	ppb	6.4607	19.6	3.5267
K 766.491	65932.1xb	ppb	54.5504	0.1	9007867
Mg 279.078	25002.3b	ppb	26.1545	0.1	70258.5
Mn 257.610	42.2958b	ppb	0.0407	0.1	8026.30
Mo 202.032	0.6628b	ppb	0.3241	48.9	11.4051
Na 330.237	126109xb	ppb	543.059	0.4	8595.85
Ni 231.604	2.0773b	ppb	0.9998	48.1	12.6673
Pb 220.353	1.9715b	ppb	1.2908	65.5	4.8439
Sb 206.834	-4.1379b	ppb	2.2556	54.5	3.9015
Se 196.026	-1.2170b	ppb	3.1838	261.6	7.8315
Sn 189.925	-0.3813b	ppb	1.8857	494.5	-10.2159
Sr 216.596	133.574b	ppb	0.9200	0.7	1500.22
Ti 334.941	0.8979b	ppb	0.0438	4.9	374.457
Tl 190.794	-6.3588b	ppb	3.5890	56.4	-15.1494
V 292.401	1.9181b	ppb	0.1845	9.6	87.8047
Zn 206.200	1.6969b	ppb	0.2633	15.5	6.9775

680-102236-B-5-A (Samp) **6/17/2014, 10:08:08 PM** **Rack 1, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	0.7299	0.4988	0.5032
Al 308.215	148.836	150.000	148.775
As 188.980	2.2189	-0.5909u	0.3326
B 249.678	21.4146	20.6915	19.9685
Ba 389.178	23.1145	22.7423	22.7280

Label	Replicates Concentration		
Be 313.042	0.1953	0.1968	0.1902
Ca 370.602	4184	4167	4167
Cd 226.502	0.1812	0.2654	0.2804
Co 228.615	0.5734	0.5194	0.0249
Cr 267.716	0.7336	0.4068	0.5544
Cu 324.754	0.4881	0.6701	0.7220
Fe 271.441	1749.57	1760.06	1746.22
K 766.491	654.020	650.223	650.989
Mg 279.078	1419.54	1414.66	1421.68
Mn 257.610	400.636	399.044	399.275
Mo 202.032	0.4128	0.3460	1.0450
Na 330.237	9801.60	9828.13	9919.20
Ni 231.604	3.3458	2.8491	2.9301
Pb 220.353	2.8430	-2.0469u	-0.0704u
Sb 206.834	-2.4990u	0.8097	-7.3857u
Se 196.026	5.9473	-5.2317u	-1.4544u
Sn 189.925	-0.8624u	-0.4618u	-1.0157u
Sr 216.596	52.1613	52.4832	51.0860
Ti 334.941	0.5955	0.6002	0.5979
Tl 190.794	-6.5372u	-0.8574u	-1.3509u
V 292.401	0.3474	0.6160	0.2988
Zn 206.200	11.4612	11.7609	11.9836

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5773	ppb	0.1322	22.9	4.3818
Al 308.215	149.204	ppb	0.6906	0.5	1417.43
As 188.980	0.6535	ppb	1.4321	219.1	-4.5956
B 249.678	20.6916	ppb	0.7231	3.5	433.193
Ba 389.178	22.8616	ppb	0.2192	1.0	594.579
Be 313.042	0.1941	ppb	0.0035	1.8	-2938.82
Ca 370.602	4173	ppb	10.10	0.2	20752
Cd 226.502	0.2423	ppb	0.0535	22.1	42.7840
Co 228.615	0.3726	ppb	0.3023	81.1	-13.3757
Cr 267.716	0.5649	ppb	0.1637	29.0	20.4237
Cu 324.754	0.6267	ppb	0.1229	19.6	245.679
Fe 271.441	1751.95	ppb	7.2224	0.4	2277.92
K 766.491	651.744	ppb	2.0079	0.3	91198.2
Mg 279.078	1418.63	ppb	3.5984	0.3	4018.96
Mn 257.610	399.652	ppb	0.8605	0.2	73935.5
Mo 202.032	0.6013	ppb	0.3857	64.2	10.7401
Na 330.237	9849.64	ppb	61.6800	0.6	764.054
Ni 231.604	3.0417	ppb	0.2665	8.8	16.4696
Pb 220.353	0.2419	ppb	2.4599	1016.9	2.3214
Sb 206.834	-3.0250	ppb	4.1229	136.3	5.1270
Se 196.026	-0.2463	ppb	5.6866	2309.0	7.7301
Sn 189.925	-0.7800	ppb	0.2860	36.7	-10.5663
Sr 216.596	51.9102	ppb	0.7317	1.4	577.567
Ti 334.941	0.5979	ppb	0.0024	0.4	188.321
Tl 190.794	-2.9152	ppb	3.1465	107.9	-12.6552
V 292.401	0.4207	ppb	0.1709	40.6	27.1552
Zn 206.200	11.7352	ppb	0.2621	2.2	39.5427

680-102236-B-6-A (Samp) **6/17/2014, 10:12:47 PM** **Rack 1, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	-0.0046u	0.4885	0.5380
Al 308.215	16.2681	13.2343	14.0248
As 188.980	-2.2011u	-2.6466u	-4.1267u
B 249.678	21.5270	21.3861	21.4852
Ba 389.178	35.6822	35.2495	35.9297
Be 313.042	0.1156	0.1212	0.1378
Ca 370.602	82674	82618	82718
Cd 226.502	0.1225	0.0981	-0.1155u
Co 228.615	-0.2745u	0.0731	-0.1149u
Cr 267.716	0.0477	0.6055	0.3310
Cu 324.754	0.0010u	-0.1731u	-0.0944u
Fe 271.441	638.971	633.913	641.754
K 766.491	661.618	661.841	660.296
Mg 279.078	2704.54	2714.86	2705.24
Mn 257.610	35.0498	34.8872	34.8627
Mo 202.032	1.2677	0.3292	1.1490
Na 330.237	12387.4	12576.7	12663.0
Ni 231.604	-0.3485u	0.2307	0.7182
Pb 220.353	1.9860	1.3331	4.7073
Sb 206.834	-3.8099u	-6.5128u	-2.3364u
Se 196.026	1.9850	1.4522	-3.1245u
Sn 189.925	1.8576	0.7574	-0.0558u
Sr 216.596	348.349	348.448	349.678
Ti 334.941	0.3990	0.3631	0.4071
Tl 190.794	-8.7974u	-2.2161u	-7.0460u
V 292.401	0.4609	0.3644	0.1001
Zn 206.200	2.7824	2.1733	3.0600

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3406	ppb	0.3000	88.1	-11.1212
Al 308.215	14.5091	ppb	1.5738	10.8	494.709
As 188.980	-2.9915	ppb	1.0081	33.7	-6.9400
B 249.678	21.4661	ppb	0.0724	0.3	447.160
Ba 389.178	35.6205	ppb	0.3443	1.0	944.690
Be 313.042	0.1248	ppb	0.0115	9.2	-3113.16
Ca 370.602	82670	ppb	50.04	0.1	412090
Cd 226.502	0.0350	ppb	0.1309	374.0	30.1503
Co 228.615	-0.1055	ppb	0.1740	165.0	-18.4611
Cr 267.716	0.3280	ppb	0.2789	85.0	12.1050
Cu 324.754	-0.0888	ppb	0.0872	98.1	119.798
Fe 271.441	638.213	ppb	3.9752	0.6	858.668
K 766.491	661.252	ppb	0.8352	0.1	92496.9
Mg 279.078	2708.21	ppb	5.7680	0.2	7643.64
Mn 257.610	34.9332	ppb	0.1017	0.3	6498.60
Mo 202.032	0.9153	ppb	0.5110	55.8	13.2595
Na 330.237	12542.3	ppb	140.940	1.1	946.010
Ni 231.604	0.2001	ppb	0.5340	266.8	5.4657
Pb 220.353	2.6755	ppb	1.7896	66.9	5.8484
Sb 206.834	-4.2197	ppb	2.1181	50.2	3.8023
Se 196.026	0.1042	ppb	2.8088	2695.2	8.3309

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.8531	ppb	0.9603	112.6	-9.2696
Sr 216.596	348.825	ppb	0.7407	0.2	3849.15
Ti 334.941	0.3897	ppb	0.0234	6.0	97.3699
Tl 190.794	-6.0198	ppb	3.4085	56.6	-14.9441
V 292.401	0.3085	ppb	0.1868	60.5	21.7940
Zn 206.200	2.6719	ppb	0.4536	17.0	10.1584

Cont Calib Verif (CCV) **6/17/2014, 10:17:26 PM** **Rack 2, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	486.567	486.583	485.056
Al 308.215	4775.11	4776.19	4759.06
As 188.980	477.405	471.071	463.362
B 249.678	480.340	480.904	480.456
Ba 389.178	4883.44	4883.91	4875.93
Be 313.042	487.181	485.757	486.533
Ca 370.602	4946	4939	4930
Cd 226.502	490.309	489.145	489.291
Co 228.615	492.661	492.014	489.843
Cr 267.716	4869.19	4858.71	4859.19
Cu 324.754	5006.08	4986.82	4923.84
Fe 271.441	4874.42	4841.48	4860.98
K 766.491	9757.22	9750.49	9739.10
Mg 279.078	4802.69	4797.03	4798.32
Mn 257.610	4939.74	4942.19	4943.17
Mo 202.032	490.805	492.233	491.055
Na 330.237	7192.57	7342.39	7110.20
Ni 231.604	2427.10	2444.13	2435.40
Pb 220.353	494.624	495.121	490.237
Sb 206.834	957.153	956.998	960.068
Se 196.026	4863.63	4866.72	4844.93
Sn 189.925	4861.16	4842.83	4859.95
Sr 216.596	2376.63	2373.83	2372.01
Ti 334.941	483.298	482.667	482.085
Tl 190.794	4882.52	4928.79	4899.98
V 292.401	4884.25	4880.95	4882.90
Zn 206.200	2426.74	2424.25	2420.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	486.069	ppb	0.8769	0.2	28889.1	97.21371
Al 308.215	4770.12	ppb	9.5929	0.2	33406.5	95.40244
As 188.980	470.613	ppb	7.0328	1.5	299.156	94.12254
B 249.678	480.567	ppb	0.2977	0.1	8207.25	96.11330
Ba 389.178	4881.09	ppb	4.4803	0.1	133313	97.62185
Be 313.042	486.491	ppb	0.7128	0.1	1519556	97.29812
Ca 370.602	4938	ppb	7.762	0.2	24649	98.76651
Cd 226.502	489.582	ppb	0.6340	0.1	20508.1	97.91632
Co 228.615	491.506	ppb	1.4759	0.3	5125.67	98.30119
Cr 267.716	4862.37	ppb	5.9153	0.1	171279	97.24731
Cu 324.754	4972.25	ppb	43.0153	0.9	275570	99.44492
Fe 271.441	4858.96	ppb	16.5633	0.3	6307.69	97.17919

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9748.94	ppb	9.1574	0.1	1333787	97.48940
Mg 279.078	4799.35	ppb	2.9655	0.1	13505.6	95.98691
Mn 257.610	4941.70	ppb	1.7658	0.0	913892	98.83398
Mo 202.032	491.364	ppb	0.7629	0.2	3753.69	98.27281
Na 330.237	7215.05	ppb	117.716	1.6	568.248	96.20071
Ni 231.604	2435.54	ppb	8.5142	0.3	9390.77	97.42170
Pb 220.353	493.327	ppb	2.6878	0.5	714.124	98.66544
Sb 206.834	958.073	ppb	1.7294	0.2	1091.08	95.80730
Se 196.026	4858.43	ppb	11.7893	0.2	2229.80	97.16853
Sn 189.925	4854.65	ppb	10.2536	0.2	3842.68	97.09290
Sr 216.596	2374.16	ppb	2.3259	0.1	25849.8	94.96634
Ti 334.941	482.683	ppb	0.6067	0.1	217812	96.53670
Tl 190.794	4903.76	ppb	23.3625	0.5	3593.08	98.07529
V 292.401	4882.70	ppb	1.6606	0.0	202835	97.65401
Zn 206.200	2423.70	ppb	3.3416	0.1	7831.23	96.94814

Cont Calib Blank (CCB) **6/17/2014, 10:22:04 PM** **Rack 2, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	-0.3974u	0.0874	0.2634
Al 308.215	-4.6182u	-6.4468u	-4.7062u
As 188.980	2.6194	-1.2475u	2.3611
B 249.678	3.4868	2.6873	2.3858
Ba 389.178	0.3723	0.5360	0.9692
Be 313.042	0.1928	0.1860	0.2002
Ca 370.602	5.995	3.774	2.767
Cd 226.502	0.1038	0.1856	0.2700
Co 228.615	0.0351	0.3295	0.2445
Cr 267.716	0.4026	0.3675	0.4112
Cu 324.754	0.9458	0.6529	0.6244
Fe 271.441	3.0793	4.3569	6.0228
K 766.491	1.4900	1.8132	1.2397
Mg 279.078	0.7296	1.2075	4.8776
Mn 257.610	0.4508	0.3558	0.3032
Mo 202.032	0.1814	0.8657	-0.0238u
Na 330.237	127.465	298.136	-78.0110u
Ni 231.604	2.0186	1.3105	2.2223
Pb 220.353	2.1110	0.0484	-2.8914u
Sb 206.834	-0.9338u	-0.0499u	-0.5196u
Se 196.026	2.8080	-4.8524u	-1.5405u
Sn 189.925	1.6333	2.5282	0.9940
Sr 216.596	0.0976	0.1625	0.0900
Ti 334.941	0.1135	0.1065	0.1323
Tl 190.794	-5.3891u	-5.4964u	-4.7586u
V 292.401	0.5240	0.2433	0.2549
Zn 206.200	-0.4861u	-0.2516u	0.1300

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0155	ppb	0.3422	2202.9	-32.2134	-0.01553
Al 308.215	-5.2570	ppb	1.0313	19.6	359.249	-5.25705
As 188.980	1.2443	ppb	2.1619	173.7	-4.1977	1.24433

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	2.8533	ppb	0.5689	19.9	133.573	2.85331
Ba 389.178	0.6258	ppb	0.3084	49.3	-21.2877	0.62584
Be 313.042	0.1930	ppb	0.0071	3.7	-2942.53	0.19300
Ca 370.602	4.178	ppb	1.652	39.5	3.023	4.17849
Cd 226.502	0.1865	ppb	0.0831	44.6	34.2461	0.18647
Co 228.615	0.2030	ppb	0.1515	74.6	-15.2600	0.20303
Cr 267.716	0.3937	ppb	0.0232	5.9	14.2809	0.39375
Cu 324.754	0.7411	ppb	0.1779	24.0	256.591	0.74105
Fe 271.441	4.4863	ppb	1.4760	32.9	51.0891	4.48631
K 766.491	1.5143	ppb	0.2875	19.0	2383.22	1.51432
Mg 279.078	2.2716	ppb	2.2695	99.9	45.6140	2.27156
Mn 257.610	0.3699	ppb	0.0748	20.2	84.1059	0.36993
Mo 202.032	0.3411	ppb	0.4657	136.5	8.9461	0.34111
Na 330.237	115.863	ppb	188.342	162.6	109.328	115.86346
Ni 231.604	1.8505	ppb	0.4786	25.9	11.7950	1.85046
Pb 220.353	-0.2440	ppb	2.5140	1030.3	1.6581	-0.24401
Sb 206.834	-0.5011	ppb	0.4422	88.2	7.9087	-0.50112
Se 196.026	-1.1950	ppb	3.8419	321.5	7.1522	-1.19498
Sn 189.925	1.7185	ppb	0.7707	44.8	-8.5864	1.71852
Sr 216.596	0.1167	ppb	0.0399	34.2	8.1335	0.11669
Ti 334.941	0.1174	ppb	0.0133	11.4	-31.6218	0.11743
Tl 190.794	-5.2147	ppb	0.3986	7.6	-14.3233	-5.21470
V 292.401	0.3407	ppb	0.1588	46.6	23.0673	0.34073
Zn 206.200	-0.2026	ppb	0.3109	153.5	0.8290	-0.20259

680-102236-B-7-A (Samp) **6/17/2014, 10:26:42 PM** **Rack 2, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-0.1394u	0.1895	-0.0737u
Al 308.215	171.739	168.870	168.480
As 188.980	-2.9813u	-2.5966u	3.5879
B 249.678	204.117	204.092	203.949
Ba 389.178	-0.3732	-0.0430	0.5311
Be 313.042	0.1188	0.1132	0.1320
Ca 370.602	34009	34005	34048
Cd 226.502	0.1218	-0.0319u	0.2266
Co 228.615	0.2873	0.8597	0.7064
Cr 267.716	0.5616	0.7619	0.6209
Cu 324.754	0.5958u	0.3038u	0.0850u
Fe 271.441	242.355	240.798	235.084
K 766.491	13345.4	13322.4	13322.2
Mg 279.078	21226.6	21205.5	21223.8
Mn 257.610	14.3102	14.2368	14.2685
Mo 202.032	1.1866	1.1479	0.8739
Na 330.237	102306x	103325x	102677x
Ni 231.604	4.1984	2.6679	3.6457
Pb 220.353	-0.5848u	0.5689	-0.6450u
Sb 206.834	-3.9730u	-7.0879u	-5.2443u
Se 196.026	2.0147	-1.0335u	0.0610
Sn 189.925	-0.0268	1.7051	-1.1018u
Sr 216.596	134.392	133.507	133.227

Label	Replicates Concentration		
Ti 334.941	2.1292	2.1609	2.1171
Tl 190.794	-5.9816u	-2.3986u	-3.8065u
V 292.401	2.7184	2.9674	2.9995
Zn 206.200	1.4881	1.8390	0.8071

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0079b	ppb	0.1740	2210.1	-32.0191
Al 308.215	169.696b	ppb	1.7798	1.0	1558.01
As 188.980	-0.6633b	ppb	3.6867	555.8	-5.4321
B 249.678	204.052b	ppb	0.0908	0.0	3528.78
Ba 389.178	0.0383b	ppb	0.4576	1193.6	31.8919
Be 313.042	0.1213b	ppb	0.0096	7.9	-3166.62
Ca 370.602	34021b	ppb	24.04	0.1	169575
Cd 226.502	0.1055b	ppb	0.1300	123.2	31.4373
Co 228.615	0.6178b	ppb	0.2963	48.0	-10.8715
Cr 267.716	0.6481b	ppb	0.1029	15.9	24.3701
Cu 324.754	0.3282b	ppb	0.2563	78.1	196.266
Fe 271.441	239.413b	ppb	3.8286	1.6	350.526
K 766.491	13330.0b	ppb	13.3254	0.1	1822923
Mg 279.078	21218.7b	ppb	11.4501	0.1	59631.5
Mn 257.610	14.2718b	ppb	0.0368	0.3	2815.71
Mo 202.032	1.0695b	ppb	0.1705	15.9	14.4787
Na 330.237	102769xb	ppb	515.481	0.5	7023.60
Ni 231.604	3.5040b	ppb	0.7750	22.1	18.1787
Pb 220.353	-0.2203b	ppb	0.6841	310.6	1.6766
Sb 206.834	-5.4351b	ppb	1.5662	28.8	2.4647
Se 196.026	0.3474b	ppb	1.5441	444.5	8.0974
Sn 189.925	0.1922b	ppb	1.4162	736.8	-9.7677
Sr 216.596	133.709b	ppb	0.6082	0.5	1480.29
Ti 334.941	2.1357b	ppb	0.0226	1.1	925.631
Tl 190.794	-4.0622b	ppb	1.8052	44.4	-13.4876
V 292.401	2.8951b	ppb	0.1539	5.3	128.705
Zn 206.200	1.3781b	ppb	0.5247	38.1	5.9543

680-102236-B-8-A (Samp) **6/17/2014, 10:31:20 PM** **Rack 2, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	0.0122	-0.0763u	0.0424
Al 308.215	123.507	122.566	123.748
As 188.980	7.8958	3.0737	9.5256
B 249.678	199.255	200.203	199.712
Ba 389.178	18.8265	20.1034	19.7371
Be 313.042	0.1220	0.1221	0.1176
Ca 370.602	87703	87667	87592
Cd 226.502	0.2486	0.1356	0.2119
Co 228.615	-0.0626u	0.1935	0.7259
Cr 267.716	0.9353	0.7110	0.4588
Cu 324.754	-0.1667u	-0.1403u	0.2579u
Fe 271.441	-1.9884u	-6.2028u	-12.6160u
K 766.491	78203.7x	78220.0x	78325.1x
Mg 279.078	20388.4	20397.6	20395.3

Label	Replicates Concentration		
Mn 257.610	7.0799	7.0820	7.0615
Mo 202.032	1.0963	1.1836	1.2134
Na 330.237	123140x	123973x	123827x
Ni 231.604	1.9522	2.4098	2.3549
Pb 220.353	0.7781	0.3676	4.3854
Sb 206.834	-2.0624u	-1.0988u	-1.9737u
Se 196.026	0.5004	-5.4751u	7.5130
Sn 189.925	0.3195	2.1073	-2.0602u
Sr 216.596	14.4292	14.3847	15.0109
Ti 334.941	1.6146	1.6215	1.6085
Tl 190.794	-6.8373u	-8.4745u	-9.8656u
V 292.401	1.5308	1.5151	1.6314
Zn 206.200	2.1991	2.4442	1.4935

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0072b	ppb	0.0617	851.2	-32.0438
Al 308.215	123.274b	ppb	0.6248	0.5	1239.91
As 188.980	6.8317b	ppb	3.3550	49.1	-0.5875
B 249.678	199.723b	ppb	0.4742	0.2	3456.18
Ba 389.178	19.5556b	ppb	0.6575	3.4	561.697
Be 313.042	0.1206b	ppb	0.0026	2.1	-3149.36
Ca 370.602	87654b	ppb	57.03	0.1	436949
Cd 226.502	0.1987b	ppb	0.0576	29.0	34.3296
Co 228.615	0.2856b	ppb	0.4022	140.8	-14.3335
Cr 267.716	0.7017b	ppb	0.2384	34.0	26.5065
Cu 324.754	-0.0164b	ppb	0.2379	1453.6	118.282
Fe 271.441	-6.9357b	ppb	5.3516	77.2	36.5856
K 766.491	78249.6xb	ppb	65.8753	0.1	10690309
Mg 279.078	20393.7b	ppb	4.7843	0.0	57315.3
Mn 257.610	7.0745b	ppb	0.0113	0.2	1478.24
Mo 202.032	1.1644b	ppb	0.0609	5.2	15.2315
Na 330.237	123646xb	ppb	444.710	0.4	8429.94
Ni 231.604	2.2390b	ppb	0.2499	11.2	13.2917
Pb 220.353	1.8437b	ppb	2.2107	119.9	4.6541
Sb 206.834	-1.7116b	ppb	0.5326	31.1	6.5622
Se 196.026	0.8461b	ppb	6.5010	768.4	8.6824
Sn 189.925	0.1222b	ppb	2.0907	1711.0	-9.8172
Sr 216.596	14.6083b	ppb	0.3494	2.4	195.083
Ti 334.941	1.6149b	ppb	0.0065	0.4	685.974
Tl 190.794	-8.3925b	ppb	1.5158	18.1	-16.6525
V 292.401	1.5591b	ppb	0.0631	4.0	72.6539
Zn 206.200	2.0456b	ppb	0.4936	24.1	8.1068

680-102236-B-9-A (Samp) **6/17/2014, 10:35:58 PM** **Rack 2, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.3392u	-0.1084u	-0.2119u
Al 308.215	101.252	100.443	99.7777
As 188.980	-0.4806u	0.8197	1.6068
B 249.678	245.621	246.650	246.630
Ba 389.178	2.4173	2.2589	1.7084

Label	Replicates Concentration		
Be 313.042	0.0889	0.0774	0.0859
Ca 370.602	108875	108996	108862
Cd 226.502	0.2234	0.1261	0.2099
Co 228.615	0.4806	0.5611	0.7996
Cr 267.716	1.2346	1.1414	1.0381
Cu 324.754	0.4132u	0.3195u	-0.1622u
Fe 271.441	-37.4039u	-38.1756u	-27.7153u
K 766.491	96647.4x	96969.8x	96741.8x
Mg 279.078	31325.4	31371.1	31329.7
Mn 257.610	27.1842	27.2508	27.1768
Mo 202.032	1.3415	1.4086	1.7548
Na 330.237	114866x	114883x	114076x
Ni 231.604	2.7607	2.1760	3.8986
Pb 220.353	0.8476	2.8610	-2.3951u
Sb 206.834	-5.0996u	-8.8885u	-12.9263u
Se 196.026	-12.1260u	8.0595	-2.9326u
Sn 189.925	0.9238	0.7211	-1.9859u
Sr 216.596	47.4167	47.3832	47.5164
Ti 334.941	1.6385	1.6551	1.6915
Tl 190.794	-10.4771u	-5.5205u	-8.6729u
V 292.401	1.3967	1.4485	1.7681
Zn 206.200	0.6354	0.7252	0.5091

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2198b	ppb	0.1156	52.6	-44.7518
Al 308.215	100.491b	ppb	0.7383	0.7	1083.86
As 188.980	0.6486b	ppb	1.0542	162.5	-4.5818
B 249.678	246.300b	ppb	0.5881	0.2	4242.26
Ba 389.178	2.1282b	ppb	0.3721	17.5	121.103
Be 313.042	0.0841b	ppb	0.0060	7.1	-3252.69
Ca 370.602	108911b	ppb	73.47	0.1	542918
Cd 226.502	0.1865b	ppb	0.0527	28.3	33.9256
Co 228.615	0.6137b	ppb	0.1659	27.0	-10.8956
Cr 267.716	1.1381b	ppb	0.0983	8.6	41.7788
Cu 324.754	0.1901b	ppb	0.3087	162.4	106.369
Fe 271.441	-34.4316b	ppb	5.8293	16.9	1.5867
K 766.491	96786.3xb	ppb	165.708	0.2	13222245
Mg 279.078	31342.1b	ppb	25.2568	0.1	88063.8
Mn 257.610	27.2039b	ppb	0.0408	0.1	5283.47
Mo 202.032	1.5016b	ppb	0.2218	14.8	17.8086
Na 330.237	114609xb	ppb	461.099	0.4	7821.20
Ni 231.604	2.9451b	ppb	0.8759	29.7	16.0117
Pb 220.353	0.4379b	ppb	2.6519	605.7	2.6320
Sb 206.834	-8.9715b	ppb	3.9140	43.6	-1.4326
Se 196.026	-2.3330b	ppb	10.1061	433.2	7.3766
Sn 189.925	-0.1137b	ppb	1.6246	1428.8	-10.0071
Sr 216.596	47.4388b	ppb	0.0693	0.1	560.970
Ti 334.941	1.6617b	ppb	0.0271	1.6	737.637
Tl 190.794	-8.2235b	ppb	2.5087	30.5	-16.5220
V 292.401	1.5378b	ppb	0.2011	13.1	71.8839
Zn 206.200	0.6232b	ppb	0.1086	17.4	3.4985

680-102236-B-10-A (Samp) **6/17/2014, 10:40:36 PM** **Rack 2, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	-0.0393u	0.2782	0.2080
Al 308.215	46.5388	46.5660	44.4183
As 188.980	0.6112	1.6191	-1.8183u
B 249.678	2.1251	2.3944	2.1688
Ba 389.178	-0.3855u	0.1728	-0.2190u
Be 313.042	0.1418	0.1708	0.1615
Ca 370.602	483.0	476.1	472.5
Cd 226.502	0.1255	0.0748	0.1411
Co 228.615	0.0555	0.1524	0.7931
Cr 267.716	0.0422	0.0925	-0.0916u
Cu 324.754	0.9345	0.6237	0.6327
Fe 271.441	14.3154	11.4662	11.0133
K 766.491	18.9262	17.4067	16.0920
Mg 279.078	23.6412	22.4450	21.9271
Mn 257.610	0.1306	0.0956	0.1564
Mo 202.032	0.2901	0.2152	0.1814
Na 330.237	1071.19	1174.87	1062.04
Ni 231.604	1.2793	0.9394	0.9378
Pb 220.353	-0.8613u	-1.0353u	0.0804
Sb 206.834	-0.5064u	-2.4541u	-5.6511u
Se 196.026	-2.4397u	-13.1825u	0.3996
Sn 189.925	-3.8756u	1.5937	-2.2831u
Sr 216.596	0.9059	0.4627	0.1499
Ti 334.941	0.1805	0.1559	0.1395
Tl 190.794	-3.7698u	1.5342	-0.3043u
V 292.401	-0.1244u	-0.0673u	-0.0789u
Zn 206.200	1.6824	0.8926	1.0734

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1490	ppb	0.1668	111.9	-22.4404
Al 308.215	45.8410	ppb	1.2322	2.7	709.268
As 188.980	0.1373	ppb	1.7670	1286.8	-4.9130
B 249.678	2.2294	ppb	0.1445	6.5	123.001
Ba 389.178	-0.1439	ppb	0.2866	199.2	-42.2286
Be 313.042	0.1581	ppb	0.0148	9.4	-3051.83
Ca 370.602	477.2	ppb	5.326	1.1	2361
Cd 226.502	0.1138	ppb	0.0346	30.4	31.2304
Co 228.615	0.3337	ppb	0.4008	120.1	-13.8879
Cr 267.716	0.0143	ppb	0.0952	663.3	0.9287
Cu 324.754	0.7303	ppb	0.1769	24.2	255.479
Fe 271.441	12.2650	ppb	1.7901	14.6	60.9953
K 766.491	17.4750	ppb	1.4183	8.1	4563.29
Mg 279.078	22.6711	ppb	0.8791	3.9	102.887
Mn 257.610	0.1275	ppb	0.0305	23.9	39.4584
Mo 202.032	0.2289	ppb	0.0556	24.3	8.0893
Na 330.237	1102.70	ppb	62.6687	5.7	175.790
Ni 231.604	1.0522	ppb	0.1967	18.7	8.7190
Pb 220.353	-0.6054	ppb	0.6003	99.2	1.1347
Sb 206.834	-2.8706	ppb	2.5975	90.5	5.3008
Se 196.026	-5.0742	ppb	7.1641	141.2	5.3822

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	-1.5217	ppb	2.8131	184.9	-11.1575
Sr 216.596	0.5062	ppb	0.3798	75.0	12.5907
Ti 334.941	0.1586	ppb	0.0206	13.0	-13.0647
Tl 190.794	-0.8466	ppb	2.6933	318.1	-11.1201
V 292.401	-0.0902	ppb	0.0302	33.5	5.1802
Zn 206.200	1.2161	ppb	0.4138	34.0	5.4244

680-102236-B-10-B MS (Samp) **6/17/2014, 10:45:14 PM** **Rack 2, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	48.0297	48.5432	47.9500
Al 308.215	4598.88	4599.77	4611.53
As 188.980	91.1393	88.5046	97.2251
B 249.678	180.629	181.335	181.414
Ba 389.178	94.1883	94.8085	94.6836
Be 313.042	48.3711	48.3805	48.3789
Ca 370.602	5179	5183	5183
Cd 226.502	48.3672	48.1531	48.2825
Co 228.615	48.9394	48.1380	49.1286
Cr 267.716	96.5538	96.6302	96.6961
Cu 324.754	99.6697	100.849	99.2060
Fe 271.441	4674.85	4668.47	4673.02
K 766.491	4556.67	4558.21	4573.02
Mg 279.078	4592.86	4586.02	4593.22
Mn 257.610	495.566	496.263	496.183
Mo 202.032	96.7700	96.1876	97.2058
Na 330.237	5844.65	5525.26	5644.60
Ni 231.604	96.5763	96.7103	97.1004
Pb 220.353	48.8425	50.3885	47.7018
Sb 206.834	41.7924	41.2852	44.8803
Se 196.026	88.3037	96.1829	84.4333
Sn 189.925	190.979	197.307	194.237
Sr 216.596	93.0716	92.5249	92.9830
Ti 334.941	94.8706	94.9997	94.8945
Tl 190.794	38.3029	37.7410	36.7458
V 292.401	97.3066	97.4665	97.2946
Zn 206.200	95.5605	93.8408	95.4579

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.1743	ppb	0.3220	0.7	2833.20
Al 308.215	4603.39	ppb	7.0605	0.2	31944.7
As 188.980	92.2897	ppb	4.4726	4.8	54.6108
B 249.678	181.126	ppb	0.4325	0.2	3139.02
Ba 389.178	94.5601	ppb	0.3280	0.3	2570.27
Be 313.042	48.3769	ppb	0.0050	0.0	147750
Ca 370.602	5182	ppb	2.321	0.0	25755
Cd 226.502	48.2676	ppb	0.1078	0.2	2060.69
Co 228.615	48.7354	ppb	0.5259	1.1	492.514
Cr 267.716	96.6267	ppb	0.0712	0.1	3404.23
Cu 324.754	99.9084	ppb	0.8473	0.8	5742.85
Fe 271.441	4672.11	ppb	3.2847	0.1	6004.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	4562.63	ppb	9.0268	0.2	625387
Mg 279.078	4590.70	ppb	4.0577	0.1	12920.2
Mn 257.610	496.004	ppb	0.3816	0.1	91785.3
Mo 202.032	96.7211	ppb	0.5109	0.5	744.091
Na 330.237	5671.50	ppb	161.388	2.8	479.239
Ni 231.604	96.7956	ppb	0.2723	0.3	377.913
Pb 220.353	48.9776	ppb	1.3485	2.8	72.0555
Sb 206.834	42.6526	ppb	1.9458	4.6	54.0671
Se 196.026	89.6400	ppb	5.9877	6.7	48.9216
Sn 189.925	194.174	ppb	3.1646	1.6	144.147
Sr 216.596	92.8598	ppb	0.2934	0.3	1022.40
Ti 334.941	94.9216	ppb	0.0687	0.1	42775.9
Tl 190.794	37.5966	ppb	0.7885	2.1	16.9736
V 292.401	97.3559	ppb	0.0960	0.1	4029.96
Zn 206.200	94.9531	ppb	0.9646	1.0	308.738

680-102236-B-10-C MS (Samp) **6/17/2014, 10:49:52 PM** **Rack 2, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	48.8618	48.8976	49.2767
Al 308.215	4731.87	4721.97	4720.41
As 188.980	92.4321	105.968	92.7418
B 249.678	187.148	186.919	185.858
Ba 389.178	97.0474	97.0517	97.1975
Be 313.042	50.4018	50.3385	50.2541
Ca 370.602	5308	5296	5288
Cd 226.502	49.2822	49.1449	49.1607
Co 228.615	49.1984	49.3349	48.9871
Cr 267.716	99.1996	99.3159	98.8539
Cu 324.754	102.992	103.344	102.153
Fe 271.441	4797.14	4776.75	4772.99
K 766.491	4566.67	4569.58	4549.81
Mg 279.078	4706.98	4706.56	4690.98
Mn 257.610	507.535	506.829	505.931
Mo 202.032	98.7075	98.7714	97.9584
Na 330.237	5713.08	5890.94	5815.40
Ni 231.604	98.5853	98.0321	98.3481
Pb 220.353	49.5281	52.3986	51.1158
Sb 206.834	46.7145	39.2618	42.0059
Se 196.026	85.4316	107.772	102.819
Sn 189.925	200.581	200.392	197.120
Sr 216.596	95.3723	94.1160	95.2285
Ti 334.941	96.9634	96.8660	96.7492
Tl 190.794	32.7148	36.9815	36.2873
V 292.401	99.1075	99.4508	98.8671
Zn 206.200	98.0398	98.0906	96.8157

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.0120	ppb	0.2299	0.5	2883.02
Al 308.215	4724.75	ppb	6.2153	0.1	32776.3
As 188.980	97.0474	ppb	7.7273	8.0	57.6842

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	186.641	ppb	0.6883	0.4	3232.03
Ba 389.178	97.0988	ppb	0.0854	0.1	2640.22
Be 313.042	50.3315	ppb	0.0741	0.1	153862
Ca 370.602	5297	ppb	9.976	0.2	26331
Cd 226.502	49.1959	ppb	0.0751	0.2	2099.87
Co 228.615	49.1735	ppb	0.1753	0.4	497.100
Cr 267.716	99.1231	ppb	0.2403	0.2	3492.17
Cu 324.754	102.830	ppb	0.6119	0.6	5904.51
Fe 271.441	4782.29	ppb	12.9917	0.3	6144.59
K 766.491	4562.02	ppb	10.6754	0.2	625304
Mg 279.078	4701.51	ppb	9.1185	0.2	13231.2
Mn 257.610	506.765	ppb	0.8040	0.2	93776.5
Mo 202.032	98.4791	ppb	0.4521	0.5	757.497
Na 330.237	5806.47	ppb	89.2629	1.5	488.233
Ni 231.604	98.3219	ppb	0.2775	0.3	383.800
Pb 220.353	51.0142	ppb	1.4379	2.8	74.9766
Sb 206.834	42.6607	ppb	3.7693	8.8	54.0573
Se 196.026	98.6745	ppb	11.7330	11.9	53.0572
Sn 189.925	199.364	ppb	1.9461	1.0	148.266
Sr 216.596	94.9056	ppb	0.6876	0.7	1044.80
Ti 334.941	96.8595	ppb	0.1073	0.1	43651.0
Tl 190.794	35.3279	ppb	2.2895	6.5	15.3053
V 292.401	99.1418	ppb	0.2933	0.3	4103.69
Zn 206.200	97.6487	ppb	0.7219	0.7	317.461

MB 680-334180/1-A (Samp) **6/17/2014, 10:54:30 PM** **Rack 2, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	0.4388	0.1381	0.5813
Al 308.215	-2.3732u	-1.3315u	-3.0403u
As 188.980	2.7707	7.4894	-4.3202u
B 249.678	1.7010	1.6291	1.9077
Ba 389.178	0.9524	-0.3244u	0.0602
Be 313.042	0.1642	0.1590	0.1631
Ca 370.602	8.096	6.891	6.649
Cd 226.502	0.1371	0.1615	0.1330
Co 228.615	0.7625	0.7010	0.1696
Cr 267.716	0.0439	-0.1519u	-0.0395u
Cu 324.754	0.3568	0.0936	0.3749
Fe 271.441	6.8125	9.2739	5.6386
K 766.491	2.7295	2.9573	2.5307
Mg 279.078	0.3844	-1.6437u	1.5447
Mn 257.610	0.0833	0.0441	0.0590
Mo 202.032	0.2237	0.2753	0.6918
Na 330.237	171.005	140.313	33.2114
Ni 231.604	1.5958	1.1504	1.3059
Pb 220.353	2.8988	-1.0934u	1.8046
Sb 206.834	-5.7608u	-1.1081u	-7.8839u
Se 196.026	-12.1670u	-0.8435u	3.8073
Sn 189.925	-0.9738u	-0.8159u	0.9143
Sr 216.596	-0.2904u	-0.1794u	-0.0732u

Label	Replicates Concentration		
Ti 334.941	0.0640	0.0507	0.0563
Tl 190.794	0.6870	-1.2032u	-0.6871u
V 292.401	-0.1906u	-0.1528u	-0.0667u
Zn 206.200	-0.1259u	-0.4496u	-0.6849u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3861	ppb	0.2262	58.6	-8.3494
Al 308.215	-2.2483	ppb	0.8612	38.3	379.837
As 188.980	1.9800	ppb	5.9444	300.2	-3.7224
B 249.678	1.7459	ppb	0.1447	8.3	114.847
Ba 389.178	0.2294	ppb	0.6550	285.5	-32.1122
Be 313.042	0.1621	ppb	0.0027	1.7	-3039.41
Ca 370.602	7.212	ppb	0.7750	10.7	18.04
Cd 226.502	0.1438	ppb	0.0154	10.7	32.4828
Co 228.615	0.5444	ppb	0.3260	59.9	-11.6882
Cr 267.716	-0.0492	ppb	0.0982	199.8	-1.3207
Cu 324.754	0.2751	ppb	0.1574	57.2	230.784
Fe 271.441	7.2417	ppb	1.8553	25.6	54.6146
K 766.491	2.7392	ppb	0.2135	7.8	2550.53
Mg 279.078	0.0951	ppb	1.6137	1696.3	39.4885
Mn 257.610	0.0621	ppb	0.0198	31.9	27.1865
Mo 202.032	0.3969	ppb	0.2567	64.7	9.3719
Na 330.237	114.843	ppb	72.3417	63.0	109.259
Ni 231.604	1.3507	ppb	0.2260	16.7	9.8693
Pb 220.353	1.2033	ppb	2.0629	171.4	3.7406
Sb 206.834	-4.9176	ppb	3.4657	70.5	3.0440
Se 196.026	-3.0677	ppb	8.2161	267.8	6.2962
Sn 189.925	-0.2918	ppb	1.0475	359.0	-10.1818
Sr 216.596	-0.1810	ppb	0.1086	60.0	4.9130
Ti 334.941	0.0570	ppb	0.0067	11.7	-58.9089
Tl 190.794	-0.4011	ppb	0.9770	243.6	-10.7922
V 292.401	-0.1367	ppb	0.0635	46.4	3.2050
Zn 206.200	-0.4201	ppb	0.2807	66.8	0.1264

LCS 680-334180/2-A (Samp) **6/17/2014, 10:59:10 PM** **Rack 2, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	100.535	101.713	99.4616
Al 308.215	9757.26	9752.14	9752.70
As 188.980	203.091	204.488	203.571
B 249.678	387.455	389.878	386.271
Ba 389.178	199.931	198.832	199.318
Be 313.042	102.916	103.094	102.864
Ca 370.602	9987	10005	9981
Cd 226.502	102.159	102.203	101.971
Co 228.615	102.502	103.316	102.673
Cr 267.716	203.619	203.532	203.318
Cu 324.754	211.658	214.546	208.988
Fe 271.441	9815.90	9840.85	9789.33
K 766.491	9870.64	9856.66	9863.78
Mg 279.078	9795.09	9808.73	9777.05

Label	Replicates Concentration		
Mn 257.610	1048.94	1049.66	1046.87
Mo 202.032	202.349	204.659	202.809
Na 330.237	10450.7	10587.5	10370.4
Ni 231.604	201.753	205.153	202.692
Pb 220.353	102.187	106.067	99.6903
Sb 206.834	92.3910	95.4757	99.5632
Se 196.026	201.573	196.974	199.254
Sn 189.925	407.729	408.270	410.293
Sr 216.596	194.555	195.592	194.596
Ti 334.941	198.733	198.936	198.565
Tl 190.794	74.2922	81.8287	76.6605
V 292.401	204.124	204.043	203.535
Zn 206.200	200.830	199.426	198.295

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	100.570	ppb	1.1262	1.1	5948.74
Al 308.215	9754.04	ppb	2.8111	0.0	67244.5
As 188.980	203.717	ppb	0.7100	0.3	126.586
B 249.678	387.868	ppb	1.8383	0.5	6624.68
Ba 389.178	199.360	ppb	0.5506	0.3	5461.67
Be 313.042	102.958	ppb	0.1204	0.1	318449
Ca 370.602	9991	ppb	12.02	0.1	49668
Cd 226.502	102.111	ppb	0.1231	0.1	4329.63
Co 228.615	102.830	ppb	0.4293	0.4	1058.47
Cr 267.716	203.490	ppb	0.1545	0.1	7168.63
Cu 324.754	211.731	ppb	2.7795	1.3	11930.4
Fe 271.441	9815.36	ppb	25.7621	0.3	12563.8
K 766.491	9863.69	ppb	6.9906	0.1	1349461
Mg 279.078	9793.63	ppb	15.8913	0.2	27519.5
Mn 257.610	1048.49	ppb	1.4500	0.1	194005
Mo 202.032	203.272	ppb	1.2230	0.6	1556.82
Na 330.237	10469.6	ppb	109.780	1.0	797.707
Ni 231.604	203.199	ppb	1.7559	0.9	788.211
Pb 220.353	102.648	ppb	3.2132	3.1	148.807
Sb 206.834	95.8100	ppb	3.5978	3.8	111.099
Se 196.026	199.267	ppb	2.2994	1.2	99.3011
Sn 189.925	408.764	ppb	1.3516	0.3	314.447
Sr 216.596	194.914	ppb	0.5869	0.3	2138.07
Ti 334.941	198.745	ppb	0.1862	0.1	89656.4
Tl 190.794	77.5938	ppb	3.8539	5.0	46.1953
V 292.401	203.901	ppb	0.3196	0.2	8430.13
Zn 206.200	199.517	ppb	1.2697	0.6	647.087

LB 680-333949/7-B (Samp) **6/17/2014, 11:03:49 PM** **Rack 2, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	0.0608	0.2037	0.3470
Al 308.215	1.4615	3.4009	1.3271
As 188.980	-5.3802u	0.1856	-0.9594u
B 249.678	5.0790	4.6440	4.4786
Ba 389.178	0.6999	0.0789	0.3728

Label	Replicates Concentration		
Be 313.042	0.1429	0.1262	0.1421
Ca 370.602	37.21	39.45	36.96
Cd 226.502	0.1264	0.2432	-0.1086u
Co 228.615	-0.0215u	0.3041	-0.4352u
Cr 267.716	0.2644	0.0297	0.0828
Cu 324.754	1.3981	1.0950	1.0275
Fe 271.441	10.9830	11.3501	8.2798
K 766.491	18.0326	17.8861	17.2694
Mg 279.078	6.8672	13.4326	11.3622
Mn 257.610	0.2105	0.1781	0.2188
Mo 202.032	0.3871	0.9562	0.3151
Na 330.237	92909.7x	93568.5x	92215.3x
Ni 231.604	1.8062	2.4087	2.1252
Pb 220.353	1.5983	-0.1833u	-0.3556u
Sb 206.834	-2.9131u	-2.4966u	-5.0645u
Se 196.026	-6.6186u	4.6693	1.4593
Sn 189.925	1.3794	1.9764	0.9375
Sr 216.596	-0.1738u	-0.0415u	0.2709
Ti 334.941	0.1427	0.1267	0.1452
Tl 190.794	0.1775	-2.8344u	-2.1295u
V 292.401	0.0517	0.0957	-0.0936u
Zn 206.200	2.7820	2.5135	2.6287

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2038	ppb	0.1431	70.2	-19.1811
Al 308.215	2.0632	ppb	1.1604	56.2	409.387
As 188.980	-2.0513	ppb	2.9392	143.3	-6.3270
B 249.678	4.7339	ppb	0.3101	6.6	165.311
Ba 389.178	0.3839	ppb	0.3107	80.9	-27.8529
Be 313.042	0.1371	ppb	0.0095	6.9	-3132.96
Ca 370.602	37.87	ppb	1.369	3.6	170.9
Cd 226.502	0.0870	ppb	0.1792	206.0	29.6113
Co 228.615	-0.0508	ppb	0.3705	728.7	-17.9225
Cr 267.716	0.1256	ppb	0.1231	98.0	5.8850
Cu 324.754	1.1735	ppb	0.1974	16.8	280.522
Fe 271.441	10.2043	ppb	1.6767	16.4	58.3794
K 766.491	17.7293	ppb	0.4050	2.3	4598.04
Mg 279.078	10.5540	ppb	3.3565	31.8	68.8572
Mn 257.610	0.2025	ppb	0.0215	10.6	52.8720
Mo 202.032	0.5528	ppb	0.3512	63.5	10.5613
Na 330.237	92897.8x	ppb	676.699	0.7	6358.83
Ni 231.604	2.1134	ppb	0.3014	14.3	12.8086
Pb 220.353	0.3531	ppb	1.0818	306.3	2.5166
Sb 206.834	-3.4914	ppb	1.3782	39.5	4.6120
Se 196.026	-0.1633	ppb	5.8163	3560.9	7.6242
Sn 189.925	1.4311	ppb	0.5214	36.4	-8.7873
Sr 216.596	0.0185	ppb	0.2283	1232.2	7.0538
Ti 334.941	0.1382	ppb	0.0100	7.2	-32.2803
Tl 190.794	-1.5955	ppb	1.5753	98.7	-11.6688
V 292.401	0.0179	ppb	0.0991	553.4	8.6226
Zn 206.200	2.6414	ppb	0.1347	5.1	10.0389

680-101828-A-2-J (Samp) **6/17/2014, 11:08:28 PM** **Rack 2, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	0.0918	0.1296	0.2308
Al 308.215	206.578	203.500	206.450
As 188.980	-3.7391u	-3.2850u	1.2822
B 249.678	24.3032	24.5047	23.9047
Ba 389.178	111.208	110.204	111.155
Be 313.042	0.3170	0.3327	0.3433
Ca 370.602	10481	10472	10496
Cd 226.502	0.2493	0.1328	0.2958
Co 228.615	3.2638	3.8991	3.6243
Cr 267.716	0.3218	0.4036	0.3943
Cu 324.754	135.817	136.452	136.508
Fe 271.441	35.3671	28.8236	27.7847
K 766.491	975.172	969.278	971.496
Mg 279.078	1670.94	1663.05	1662.60
Mn 257.610	216.854	216.297	216.778
Mo 202.032	0.7474	0.9970	0.6291
Na 330.237	136056x	135394x	135694x
Ni 231.604	4.4703	4.2345	3.9202
Pb 220.353	769.747	773.212	778.422
Sb 206.834	16.8363	11.9335	14.2866
Se 196.026	-1.5514u	2.8759	-0.3603u
Sn 189.925	0.3656	-0.9178u	0.8176
Sr 216.596	34.4537	34.7607	35.0117
Ti 334.941	0.2017	0.1916	0.1888
Tl 190.794	-6.9558u	-1.4419u	-1.3862u
V 292.401	0.0929	0.1235	0.0477
Zn 206.200	80.1264	81.1426	79.8677

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1507b	ppb	0.0719	47.7	-21.5132
Al 308.215	205.509b	ppb	1.7415	0.8	1803.16
As 188.980	-1.9140b	ppb	2.7773	145.1	-6.2383
B 249.678	24.2376b	ppb	0.3053	1.3	494.686
Ba 389.178	110.856b	ppb	0.5647	0.5	2994.77
Be 313.042	0.3310b	ppb	0.0132	4.0	-2528.52
Ca 370.602	10483b	ppb	12.00	0.1	52241
Cd 226.502	0.2260b	ppb	0.0840	37.2	35.3027
Co 228.615	3.5957b	ppb	0.3186	8.9	20.2536
Cr 267.716	0.3732b	ppb	0.0448	12.0	15.0923
Cu 324.754	136.259b	ppb	0.3837	0.3	7752.16
Fe 271.441	30.6585b	ppb	4.1107	13.4	84.7794
K 766.491	971.982b	ppb	2.9770	0.3	134940
Mg 279.078	1665.53b	ppb	4.6930	0.3	4716.82
Mn 257.610	216.643b	ppb	0.3021	0.1	40089.8
Mo 202.032	0.7912b	ppb	0.1878	23.7	12.3787
Na 330.237	135715xb	ppb	331.498	0.2	9242.57
Ni 231.604	4.2083b	ppb	0.2760	6.6	20.8831
Pb 220.353	773.794b	ppb	4.3669	0.6	1115.72
Sb 206.834	14.3521b	ppb	2.4521	17.1	24.2460
Se 196.026	0.3214b	ppb	2.2910	712.8	7.9557

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.0885b	ppb	0.9003	1017.7	-9.8403
Sr 216.596	34.7420b	ppb	0.2794	0.8	390.110
Ti 334.941	0.1941b	ppb	0.0068	3.5	-7.2275
Tl 190.794	-3.2613b	ppb	3.1997	98.1	-12.8449
V 292.401	0.0880b	ppb	0.0381	43.3	11.0352
Zn 206.200	80.3789b	ppb	0.6739	0.8	261.751

Cont Calib Verif (CCV) **6/17/2014, 11:13:07 PM** **Rack 2, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	483.633	487.131	488.222
Al 308.215	4747.45	4757.32	4759.83
As 188.980	468.009	469.873	474.140
B 249.678	476.187	477.059	479.107
Ba 389.178	4871.39	4873.80	4882.77
Be 313.042	485.655	484.724	486.725
Ca 370.602	4922	4925	4939
Cd 226.502	487.711	487.928	489.571
Co 228.615	489.277	491.401	492.198
Cr 267.716	4854.25	4855.62	4867.01
Cu 324.754	4939.35	4923.28	4910.78
Fe 271.441	4847.43	4837.13	4859.39
K 766.491	9687.00	9692.34	9713.31
Mg 279.078	4794.22	4804.86	4799.94
Mn 257.610	4939.14	4932.02	4944.72
Mo 202.032	488.916	489.473	492.094
Na 330.237	7184.92	7121.68	7343.50
Ni 231.604	2404.02	2450.67	2437.57
Pb 220.353	496.071	492.711	495.996
Sb 206.834	950.440	963.261	950.553
Se 196.026	4823.05	4837.85	4843.62
Sn 189.925	4842.88	4838.10	4889.44
Sr 216.596	2374.22	2373.79	2382.16
Ti 334.941	481.366	481.651	483.003
Tl 190.794	4900.78	4904.53	4924.91
V 292.401	4869.48	4872.36	4886.47
Zn 206.200	2426.55	2423.72	2441.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	486.329	ppb	2.3978	0.5	28904.5	97.26572
Al 308.215	4754.86	ppb	6.5464	0.1	33301.5	95.09730
As 188.980	470.674	ppb	3.1431	0.7	299.195	94.13481
B 249.678	477.451	ppb	1.4991	0.3	8154.63	95.49026
Ba 389.178	4875.99	ppb	6.0007	0.1	133173	97.51975
Be 313.042	485.701	ppb	1.0017	0.2	1517086	97.14027
Ca 370.602	4929	ppb	9.375	0.2	24600	98.57253
Cd 226.502	488.403	ppb	1.0168	0.2	20458.8	97.68065
Co 228.615	490.959	ppb	1.5098	0.3	5119.97	98.19178
Cr 267.716	4858.96	ppb	7.0023	0.1	171159	97.17919
Cu 324.754	4924.47	ppb	14.3195	0.3	272924	98.48936
Fe 271.441	4847.98	ppb	11.1404	0.2	6293.68	96.95960

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9697.55	ppb	13.9096	0.1	1326768	96.97552
Mg 279.078	4799.67	ppb	5.3234	0.1	13506.6	95.99340
Mn 257.610	4938.63	ppb	6.3653	0.1	913324	98.77259
Mo 202.032	490.161	ppb	1.6972	0.3	3744.51	98.03223
Na 330.237	7216.70	ppb	114.275	1.6	568.338	96.22261
Ni 231.604	2430.76	ppb	24.0607	1.0	9372.32	97.23020
Pb 220.353	494.926	ppb	1.9186	0.4	716.428	98.98521
Sb 206.834	954.751	ppb	7.3701	0.8	1087.45	95.47511
Se 196.026	4834.84	ppb	10.6091	0.2	2219.02	96.69682
Sn 189.925	4856.81	ppb	28.3603	0.6	3844.40	97.13612
Sr 216.596	2376.72	ppb	4.7109	0.2	25878.1	95.06889
Ti 334.941	482.006	ppb	0.8745	0.2	217506	96.40128
Tl 190.794	4910.07	ppb	12.9852	0.3	3597.70	98.20142
V 292.401	4876.10	ppb	9.0925	0.2	202560	97.52204
Zn 206.200	2430.60	ppb	9.5797	0.4	7853.57	97.22412

Cont Calib Blank (CCB) **6/17/2014, 11:17:45 PM** **Rack 2, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	0.1216	0.4608	-0.0715u
Al 308.215	-6.0470u	-4.8261u	-6.4877u
As 188.980	4.8507	3.2262	3.9339
B 249.678	2.4603	2.2975	2.1925
Ba 389.178	1.3804	1.0443	0.8748
Be 313.042	0.1842	0.1880	0.1887
Ca 370.602	1.379	2.655	3.699
Cd 226.502	0.2461	0.0482	0.0349
Co 228.615	0.4253	0.3172	-0.0529u
Cr 267.716	0.2003	0.5095	0.0075
Cu 324.754	1.0497	1.0798	0.8936
Fe 271.441	5.5354	6.9180	5.4287
K 766.491	1.3806	1.2029	1.2902
Mg 279.078	2.3961	0.8689	1.6480
Mn 257.610	0.4142	0.3613	0.2900
Mo 202.032	0.2741	1.2491	0.7444
Na 330.237	37.9359	161.970	98.0484
Ni 231.604	1.6293	1.8714	1.9469
Pb 220.353	-0.3656u	0.8765	0.4613
Sb 206.834	-6.1324u	-1.2279u	-0.4058u
Se 196.026	-0.8430u	-11.1449u	3.9505
Sn 189.925	2.2747	1.7212	4.4708
Sr 216.596	0.1675	0.3684	0.1143
Ti 334.941	0.1483	0.1145	0.0908
Tl 190.794	2.2605	-2.2172u	-1.3805u
V 292.401	0.4742	0.2998	0.3269
Zn 206.200	0.2720	-0.3537u	-0.1514u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1703	ppb	0.2695	158.2	-21.1693	0.17031
Al 308.215	-5.7869	ppb	0.8608	14.9	355.654	-5.78691
As 188.980	4.0036	ppb	0.8145	20.3	-2.4149	4.00360

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	2.3168	ppb	0.1350	5.8	124.479	2.31678
Ba 389.178	1.0998	ppb	0.2573	23.4	-8.3370	1.09981
Be 313.042	0.1870	ppb	0.0024	1.3	-2961.47	0.18695
Ca 370.602	2.578	ppb	1.162	45.1	-5.002	2.57782
Cd 226.502	0.1097	ppb	0.1183	107.8	31.0489	0.10975
Co 228.615	0.2298	ppb	0.2507	109.1	-14.9898	0.22985
Cr 267.716	0.2391	ppb	0.2532	105.9	8.8293	0.23909
Cu 324.754	1.0077	ppb	0.0999	9.9	271.370	1.00768
Fe 271.441	5.9607	ppb	0.8308	13.9	52.9578	5.96071
K 766.491	1.2912	ppb	0.0889	6.9	2352.75	1.29123
Mg 279.078	1.6377	ppb	0.7637	46.6	43.8273	1.63767
Mn 257.610	0.3552	ppb	0.0623	17.6	81.3766	0.35515
Mo 202.032	0.7558	ppb	0.4876	64.5	12.1116	0.75583
Na 330.237	99.3184	ppb	62.0270	62.5	108.213	99.31835
Ni 231.604	1.8159	ppb	0.1660	9.1	11.6618	1.81586
Pb 220.353	0.3241	ppb	0.6323	195.1	2.4752	0.32410
Sb 206.834	-2.5887	ppb	3.0964	119.6	5.6009	-2.58872
Se 196.026	-2.6791	ppb	7.7134	287.9	6.4738	-2.67915
Sn 189.925	2.8222	ppb	1.4543	51.5	-7.7105	2.82222
Sr 216.596	0.2167	ppb	0.1340	61.8	9.2268	0.21671
Ti 334.941	0.1179	ppb	0.0289	24.5	-31.4129	0.11787
Tl 190.794	-0.4457	ppb	2.3807	534.1	-10.8248	-0.44574
V 292.401	0.3670	ppb	0.0939	25.6	24.0501	0.36699
Zn 206.200	-0.0777	ppb	0.3193	410.8	1.2340	-0.07773

680-102197-A-2-B (Samp) **6/17/2014, 11:22:23 PM** **Rack 2, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.1927	0.1953	0.1456
Al 308.215	125.875	127.096	126.607
As 188.980	2.2866	8.2364	5.8745
B 249.678	70.1243	70.2587	70.7461
Ba 389.178	24.4356	23.9690	24.8559
Be 313.042	0.1842	0.1845	0.1709
Ca 370.602	3154	3139	3146
Cd 226.502	0.3894	0.1664	0.0921
Co 228.615	0.0410	0.6045	0.6972
Cr 267.716	0.2935	0.3539	0.1132
Cu 324.754	1.0336	1.4348	1.1800
Fe 271.441	15.0730	15.0856	12.7420
K 766.491	202.074	200.460	201.900
Mg 279.078	211.087	204.610	210.050
Mn 257.610	30.8197	30.6600	30.7466
Mo 202.032	0.3076	0.2724	0.0920
Na 330.237	118362x	117980x	117092x
Ni 231.604	1.5267	1.8741	1.7205
Pb 220.353	460.842	462.682	461.476
Sb 206.834	4.8058	3.3229	-1.7639u
Se 196.026	1.0920	3.5924	5.7566
Sn 189.925	1.5276	0.6422	2.2334
Sr 216.596	5.9636	5.3633	5.4851

Label	Replicates Concentration		
Ti 334.941	0.3008	0.2380	0.2418
Tl 190.794	2.7859	-7.4978u	-4.9683u
V 292.401	0.2239	-0.0177u	-0.0745u
Zn 206.200	9.8040	9.6194	9.7259

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1778b	ppb	0.0280	15.7	-20.6096
Al 308.215	126.526b	ppb	0.6147	0.5	1262.02
As 188.980	5.4658b	ppb	2.9959	54.8	-1.4704
B 249.678	70.3764b	ppb	0.3272	0.5	1273.15
Ba 389.178	24.4202b	ppb	0.4436	1.8	629.279
Be 313.042	0.1799b	ppb	0.0077	4.3	-3001.78
Ca 370.602	3147b	ppb	7.518	0.2	15668
Cd 226.502	0.2160b	ppb	0.1547	71.6	34.8975
Co 228.615	0.4476b	ppb	0.3551	79.3	-12.6921
Cr 267.716	0.2535b	ppb	0.1252	49.4	10.6761
Cu 324.754	1.2161b	ppb	0.2030	16.7	279.453
Fe 271.441	14.3002b	ppb	1.3495	9.4	63.6001
K 766.491	201.478b	ppb	0.8862	0.4	29696.3
Mg 279.078	208.582b	ppb	3.4791	1.7	625.008
Mn 257.610	30.7421b	ppb	0.0799	0.3	5701.75
Mo 202.032	0.2240b	ppb	0.1156	51.6	8.0510
Na 330.237	117811xb	ppb	651.775	0.6	8036.89
Ni 231.604	1.7071b	ppb	0.1741	10.2	11.2432
Pb 220.353	461.667b	ppb	0.9347	0.2	666.478
Sb 206.834	2.1216b	ppb	3.4456	162.4	10.7977
Se 196.026	3.4803b	ppb	2.3343	67.1	9.3167
Sn 189.925	1.4677b	ppb	0.7973	54.3	-8.7509
Sr 216.596	5.6040b	ppb	0.3173	5.7	69.1936
Ti 334.941	0.2602b	ppb	0.0352	13.5	20.5901
Tl 190.794	-3.2267b	ppb	5.3584	166.1	-12.8608
V 292.401	0.0439b	ppb	0.1584	360.9	9.5475
Zn 206.200	9.7165b	ppb	0.0927	1.0	32.9476

680-102197-A-3-B (Samp) **6/17/2014, 11:27:01 PM** **Rack 2, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	-0.4697u	0.3976	-0.0737u
Al 308.215	122.961	123.656	124.406
As 188.980	35.7846	28.3353	38.0506
B 249.678	11.1197	11.8864	12.5750
Ba 389.178	14.8096	13.4884	15.2204
Be 313.042	0.1762	0.1537	0.1625
Ca 370.602	26771	26774	26861
Cd 226.502	0.6589	0.5674	0.6227
Co 228.615	1.5911	1.8466	1.6084
Cr 267.716	0.1843	0.4583	0.1156
Cu 324.754	1.3713	1.4923	1.7921
Fe 271.441	21.1093	23.0004	12.9760
K 766.491	231.969	232.269	233.769
Mg 279.078	3084.22	3095.31	3114.43

Label	Replicates Concentration		
Mn 257.610	57.5182	57.5546	57.9878
Mo 202.032	0.1200	1.1510	0.5548
Na 330.237	117158x	116686x	116512x
Ni 231.604	8.7427	9.7357	9.5505
Pb 220.353	5726.66	5712.82	5733.16
Sb 206.834	43.5715	43.5479	42.2683
Se 196.026	4.5930	-4.6418u	1.6988
Sn 189.925	3.0857	0.0045	-1.4168u
Sr 216.596	53.2337	52.8451	53.5380
Ti 334.941	0.3268	0.3030	0.3297
Tl 190.794	-2.7260u	1.9571	-0.6176u
V 292.401	0.8364	0.6662	1.0587
Zn 206.200	12.8677	14.4521	13.7572

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0486b	ppb	0.4342	893.5	-34.0214
Al 308.215	123.675b	ppb	0.7230	0.6	1242.57
As 188.980	34.0569b	ppb	5.0829	14.9	17.0016
B 249.678	11.8604b	ppb	0.7280	6.1	286.265
Ba 389.178	14.5061b	ppb	0.9050	6.2	367.881
Be 313.042	0.1642b	ppb	0.0113	6.9	-3039.99
Ca 370.602	26802b	ppb	50.87	0.2	133592
Cd 226.502	0.6163b	ppb	0.0461	7.5	51.7945
Co 228.615	1.6820b	ppb	0.1428	8.5	0.2226
Cr 267.716	0.2527b	ppb	0.1813	71.7	10.6225
Cu 324.754	1.5519b	ppb	0.2166	14.0	272.048
Fe 271.441	19.0286b	ppb	5.3263	28.0	69.7843
K 766.491	232.669b	ppb	0.9643	0.4	33956.7
Mg 279.078	3097.98b	ppb	15.2817	0.5	8739.91
Mn 257.610	57.6869b	ppb	0.2612	0.5	10706.5
Mo 202.032	0.6086b	ppb	0.5176	85.1	10.9856
Na 330.237	116785xb	ppb	334.631	0.3	7967.77
Ni 231.604	9.3430b	ppb	0.5280	5.7	40.6700
Pb 220.353	5724.22b	ppb	10.3876	0.2	8240.87
Sb 206.834	43.1292b	ppb	0.7457	1.7	55.9180
Se 196.026	0.5500b	ppb	4.7234	858.8	8.1429
Sn 189.925	0.5578b	ppb	2.3017	412.6	-9.4734
Sr 216.596	53.2056b	ppb	0.3473	0.7	597.075
Ti 334.941	0.3198b	ppb	0.0147	4.6	55.4665
Tl 190.794	-0.4622b	ppb	2.3454	507.5	-10.8247
V 292.401	0.8538b	ppb	0.1968	23.1	43.2142
Zn 206.200	13.6924b	ppb	0.7942	5.8	45.8216

680-102209-A-1-B (Samp) **6/17/2014, 11:31:39 PM** **Rack 2, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	0.1154	-0.3380u	0.2380
Al 308.215	715.808	712.939	714.755
As 188.980	2.3534	-0.3974u	-1.1580u
B 249.678	99.8258	100.356	100.152
Ba 389.178	44.7141	43.8496	43.9352

Label	Replicates Concentration		
Be 313.042	0.1410	0.1344	0.1362
Ca 370.602	3203	3213	3199
Cd 226.502	185.506	185.109	185.112
Co 228.615	4.4885	4.0263	4.0891
Cr 267.716	48.0500	48.0359	47.9842
Cu 324.754	6.7443	7.0527	6.7667
Fe 271.441	10957.6	10958.5	10958.8
K 766.491	162.754	162.568	162.503
Mg 279.078	790.674	791.836	784.640
Mn 257.610	197.698	198.764	197.377
Mo 202.032	4.5415	3.7177	3.7466
Na 330.237	116757x	117959x	118327x
Ni 231.604	42.2326	42.1208	41.3803
Pb 220.353	2.9016	5.6125	2.0323
Sb 206.834	0.0631	-6.8763u	-5.7327u
Se 196.026	2.1620	6.5232	-8.5168u
Sn 189.925	2.9028	-1.6614u	3.8305
Sr 216.596	33.9816	34.0496	34.2499
Ti 334.941	0.2074	0.2509	0.2512
Tl 190.794	-5.4984u	-2.6139u	-1.6679u
V 292.401	0.4562	0.4025	0.3113
Zn 206.200	842.744	838.581	841.694

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0051b	ppb	0.3034	5893.7	-31.4333
Al 308.215	714.501b	ppb	1.4512	0.2	5290.33
As 188.980	0.2660b	ppb	1.8473	694.5	-4.9305
B 249.678	100.111b	ppb	0.2672	0.3	1765.97
Ba 389.178	44.1663b	ppb	0.4763	1.1	1195.37
Be 313.042	0.1372b	ppb	0.0034	2.5	-3135.55
Ca 370.602	3205b	ppb	7.501	0.2	15759
Cd 226.502	185.242b	ppb	0.2286	0.1	7807.88
Co 228.615	4.2013b	ppb	0.2507	6.0	27.1734
Cr 267.716	48.0234b	ppb	0.0347	0.1	1693.95
Cu 324.754	6.8545b	ppb	0.1720	2.5	591.866
Fe 271.441	10958.3b	ppb	0.6111	0.0	14009.9
K 766.491	162.609b	ppb	0.1303	0.1	24387.1
Mg 279.078	789.050b	ppb	3.8632	0.5	2227.10
Mn 257.610	197.946b	ppb	0.7259	0.4	36656.7
Mo 202.032	4.0019b	ppb	0.4675	11.7	35.6886
Na 330.237	117681xb	ppb	820.923	0.7	8019.84
Ni 231.604	41.9112b	ppb	0.4632	1.1	166.705
Pb 220.353	3.5155b	ppb	1.8673	53.1	6.8879
Sb 206.834	-4.1820b	ppb	3.7205	89.0	4.1652
Se 196.026	0.0561b	ppb	7.7380	13793.4	8.0638
Sn 189.925	1.6906b	ppb	2.9398	173.9	-8.5740
Sr 216.596	34.0937b	ppb	0.1395	0.4	389.624
Ti 334.941	0.2365b	ppb	0.0252	10.7	13.4401
Tl 190.794	-3.2601b	ppb	1.9953	61.2	-13.4935
V 292.401	0.3900b	ppb	0.0732	18.8	24.4561
Zn 206.200	841.007b	ppb	2.1652	0.3	2724.85

680-102209-A-1-Bsd (Samp) **6/17/2014, 11:36:17 PM** **Rack 2, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	0.1778	0.6426	0.5666
Al 308.215	149.694	147.701	140.535
As 188.980	2.3427	-1.2331u	-1.6449u
B 249.678	22.3008	21.3958	21.2836
Ba 389.178	9.6085	9.7682	9.1053
Be 313.042	0.1431	0.1460	0.1528
Ca 370.602	701.2	690.4	669.2
Cd 226.502	40.5521	40.0762	39.0288
Co 228.615	1.9793	1.3792	0.7536
Cr 267.716	10.3014	10.0641	9.6093
Cu 324.754	1.8833	1.7689	1.7107
Fe 271.441	2384.49	2364.41	2287.17
K 766.491	33.1720	32.9307	31.2981
Mg 279.078	179.070	171.247	168.805
Mn 257.610	42.9299	42.3570	40.9508
Mo 202.032	0.8390	1.1121	0.9363
Na 330.237	24990.8	24886.4	23671.6
Ni 231.604	10.5588	10.4906	10.1521
Pb 220.353	-0.6109u	-0.6117u	0.5441
Sb 206.834	0.3444	-0.5740u	-5.2747u
Se 196.026	-2.7398u	-4.2044u	-4.0909u
Sn 189.925	-1.3631u	3.4986	1.3133
Sr 216.596	7.2741	7.2674	7.1823
Ti 334.941	0.0703	0.0998	0.1041
Tl 190.794	-2.2979u	-1.6879u	-6.7908u
V 292.401	-0.1233u	-0.2799u	0.0923
Zn 206.200	179.962	180.262	173.752

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4623	ppb	0.2493	53.9	-3.9157
Al 308.215	145.977	ppb	4.8169	3.3	1395.32
As 188.980	-0.1784	ppb	2.1930	1229.0	-5.1385
B 249.678	21.6601	ppb	0.5577	2.6	449.037
Ba 389.178	9.4940	ppb	0.3460	3.6	226.798
Be 313.042	0.1473	ppb	0.0050	3.4	-3089.32
Ca 370.602	686.9	ppb	16.26	2.4	3364
Cd 226.502	39.8857	ppb	0.7793	2.0	1701.86
Co 228.615	1.3707	ppb	0.6129	44.7	-2.9091
Cr 267.716	9.9916	ppb	0.3517	3.5	352.761
Cu 324.754	1.7876	ppb	0.0878	4.9	313.847
Fe 271.441	2345.36	ppb	51.3839	2.2	3034.13
K 766.491	32.4669	ppb	1.0194	3.1	6611.05
Mg 279.078	173.040	ppb	5.3624	3.1	519.196
Mn 257.610	42.0792	ppb	1.0184	2.4	7804.87
Mo 202.032	0.9625	ppb	0.1384	14.4	13.4325
Na 330.237	24516.3	ppb	733.384	3.0	1751.10
Ni 231.604	10.4005	ppb	0.2179	2.1	44.8571
Pb 220.353	-0.2262	ppb	0.6671	294.9	1.6450
Sb 206.834	-1.8347	ppb	3.0142	164.3	6.5057
Se 196.026	-3.6784	ppb	0.8148	22.2	6.0894

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	1.1496	ppb	2.4350	211.8	-9.0308
Sr 216.596	7.2413	ppb	0.0512	0.7	88.1629
Ti 334.941	0.0914	ppb	0.0184	20.1	-45.1192
Tl 190.794	-3.5922	ppb	2.7868	77.6	-13.2624
V 292.401	-0.1036	ppb	0.1869	180.4	4.5278
Zn 206.200	177.992	ppb	3.6753	2.1	577.864

680-102209-A-1-Bpds (Samp) **6/17/2014, 11:40:54 PM** **Rack 2, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	38.2445	38.4778	38.7716
Al 308.215	2704.12	2700.80	2702.13
As 188.980	197.306	193.653	194.033
B 249.678	583.601	583.185	584.642
Ba 389.178	250.865	251.299	251.273
Be 313.042	52.5704	52.4993	52.4589
Ca 370.602	5081	5083	5078
Cd 226.502	234.660	234.192	234.174
Co 228.615	213.015	212.749	212.615
Cr 267.716	253.445	252.741	253.046
Cu 324.754	220.306	219.939	220.937
Fe 271.441	12779.7	12778.8	12743.9
K 766.491	2535.55	2528.08	2525.72
Mg 279.078	2775.72	2771.59	2767.96
Mn 257.610	410.511	409.958	409.701
Mo 202.032	211.173	211.190	211.000
Na 330.237	118742x	118432x	118358x
Ni 231.604	246.019	244.357	245.086
Pb 220.353	208.471	209.409	206.260
Sb 206.834	187.542	196.104	185.405
Se 196.026	208.213	206.446	192.117
Sn 189.925	210.904	210.086	218.323
Sr 216.596	237.103	235.457	236.744
Ti 334.941	201.838	201.598	201.349
Tl 190.794	198.591	203.312	205.318
V 292.401	205.999	205.642	206.204
Zn 206.200	1036.49	1034.23	1035.98

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	38.4980b	ppb	0.2641	0.7	2257.17
Al 308.215	2702.35b	ppb	1.6727	0.1	18936.3
As 188.980	194.997b	ppb	2.0084	1.0	120.928
B 249.678	583.809b	ppb	0.7505	0.1	9930.43
Ba 389.178	251.146b	ppb	0.2437	0.1	6860.13
Be 313.042	52.5095b	ppb	0.0564	0.1	160675
Ca 370.602	5081b	ppb	2.541	0.1	25136
Cd 226.502	234.342b	ppb	0.2754	0.1	9866.74
Co 228.615	212.793b	ppb	0.2034	0.1	2209.80
Cr 267.716	253.077b	ppb	0.3532	0.1	8917.10
Cu 324.754	220.394b	ppb	0.5049	0.2	12415.8
Fe 271.441	12767.5b	ppb	20.3981	0.2	16335.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	2529.79b	ppb	5.1318	0.2	347720
Mg 279.078	2771.76b	ppb	3.8786	0.1	7790.85
Mn 257.610	410.057b	ppb	0.4136	0.1	75900.6
Mo 202.032	211.121b	ppb	0.1053	0.0	1616.40
Na 330.237	118511xb	ppb	204.065	0.2	8070.60
Ni 231.604	245.154b	ppb	0.8334	0.3	950.032
Pb 220.353	208.046b	ppb	1.6172	0.8	300.859
Sb 206.834	189.684b	ppb	5.6621	3.0	214.638
Se 196.026	202.258b	ppb	8.8273	4.4	100.600
Sn 189.925	213.104b	ppb	4.5380	2.1	159.203
Sr 216.596	236.435b	ppb	0.8657	0.4	2591.34
Ti 334.941	201.595b	ppb	0.2443	0.1	90912.4
Tl 190.794	202.407b	ppb	3.4535	1.7	137.681
V 292.401	205.948b	ppb	0.2841	0.1	8509.17
Zn 206.200	1035.57b	ppb	1.1867	0.1	3354.13

680-102209-A-1-C MS (Samp) **6/17/2014, 11:45:33 PM** **Rack 2, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	161.248	161.215	161.121
Al 308.215	2155.96	2158.39	2151.92
As 188.980	160.874	160.110	160.114
B 249.678	387.997	388.116	386.915
Ba 389.178	193.111	193.642	192.562
Be 313.042	160.429	160.708	160.549
Ca 370.602	18118	18134	18125
Cd 226.502	310.607	311.247	311.038
Co 228.615	163.874	161.979	161.983
Cr 267.716	198.207	198.106	198.445
Cu 324.754	171.914	172.493	171.829
Fe 271.441	24726.4	24739.8	24722.4
K 766.491	17773.9	17748.5	17747.6
Mg 279.078	16088.3	16076.2	16069.9
Mn 257.610	1819.99	1822.74	1819.95
Mo 202.032	164.719	165.348	165.112
Na 330.237	113295x	113353x	113293x
Ni 231.604	194.205	194.825	191.414
Pb 220.353	164.347	160.003	161.064
Sb 206.834	154.724	152.125	154.078
Se 196.026	155.352	153.488	161.519
Sn 189.925	163.625	159.800	155.395
Sr 216.596	182.891	185.142	183.813
Ti 334.941	158.259	158.385	158.214
Tl 190.794	30.9451	26.7352	24.5420
V 292.401	161.797	161.763	161.235
Zn 206.200	849.332	850.404	849.227

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	161.194b	ppb	0.0658	0.0	9552.71
Al 308.215	2155.42b	ppb	3.2696	0.2	15183.4
As 188.980	160.366b	ppb	0.4400	0.3	98.4279

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	387.676b	ppb	0.6619	0.2	6610.31
Ba 389.178	193.105b	ppb	0.5404	0.3	5344.93
Be 313.042	160.562b	ppb	0.1401	0.1	498549
Ca 370.602	18126b	ppb	8.154	0.0	89937
Cd 226.502	310.964b	ppb	0.3264	0.1	13112.3
Co 228.615	162.612b	ppb	1.0929	0.7	1685.49
Cr 267.716	198.253b	ppb	0.1743	0.1	6985.70
Cu 324.754	172.079b	ppb	0.3610	0.2	9725.72
Fe 271.441	24729.6b	ppb	9.1357	0.0	31574.4
K 766.491	17756.7b	ppb	14.9397	0.1	2427565
Mg 279.078	16078.1b	ppb	9.3182	0.1	45131.2
Mn 257.610	1820.89b	ppb	1.5990	0.1	336929
Mo 202.032	165.060b	ppb	0.3176	0.2	1263.51
Na 330.237	113314xb	ppb	33.7283	0.0	7716.06
Ni 231.604	193.481b	ppb	1.8167	0.9	751.473
Pb 220.353	161.805b	ppb	2.2650	1.4	234.207
Sb 206.834	153.643b	ppb	1.3533	0.9	175.543
Se 196.026	156.786b	ppb	4.2033	2.7	80.4586
Sn 189.925	159.607b	ppb	4.1183	2.6	116.747
Sr 216.596	183.949b	ppb	1.1315	0.6	2036.79
Ti 334.941	158.286b	ppb	0.0885	0.1	71400.9
Tl 190.794	27.4075b	ppb	3.2540	11.9	8.8120
V 292.401	161.598b	ppb	0.3153	0.2	6686.61
Zn 206.200	849.654b	ppb	0.6513	0.1	2752.75

680-102209-A-1-D MSD (Samp) **6/17/2014, 11:50:11 PM** **Rack 2, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	152.316	152.589	152.200
Al 308.215	2069.58	2065.06	2071.75
As 188.980	158.175	149.466	153.353
B 249.678	369.666	368.196	369.716
Ba 389.178	184.229	183.989	184.350
Be 313.042	151.956	151.928	151.959
Ca 370.602	17301	17273	17268
Cd 226.502	301.733	301.475	301.431
Co 228.615	154.602	155.397	154.940
Cr 267.716	191.072	191.077	191.188
Cu 324.754	163.678	163.828	163.486
Fe 271.441	23799.8	23797.7	23796.0
K 766.491	16864.3	16903.1	16898.5
Mg 279.078	15245.2	15240.1	15236.1
Mn 257.610	1731.06	1731.28	1731.51
Mo 202.032	156.771	154.923	155.743
Na 330.237	111374x	111520x	111739x
Ni 231.604	186.399	185.525	184.374
Pb 220.353	155.791	153.722	157.513
Sb 206.834	144.400	147.086	145.884
Se 196.026	151.656	149.986	150.255
Sn 189.925	145.055	154.210	150.155
Sr 216.596	176.280	175.079	175.955

Label	Replicates Concentration		
Ti 334.941	149.891	149.734	149.791
Tl 190.794	28.9406	27.2802	21.4193
V 292.401	154.295	153.299	154.900
Zn 206.200	833.210	834.207	833.178

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	152.368b	ppb	0.1999	0.1	9027.93
Al 308.215	2068.80b	ppb	3.4120	0.2	14588.8
As 188.980	153.665b	ppb	4.3633	2.8	94.1041
B 249.678	369.193b	ppb	0.8633	0.2	6299.00
Ba 389.178	184.190b	ppb	0.1837	0.1	5096.58
Be 313.042	151.948b	ppb	0.0172	0.0	471611
Ca 370.602	17281b	ppb	17.72	0.1	85738
Cd 226.502	301.546b	ppb	0.1634	0.1	12715.4
Co 228.615	154.980b	ppb	0.3989	0.3	1605.60
Cr 267.716	191.112b	ppb	0.0652	0.0	6734.15
Cu 324.754	163.664b	ppb	0.1717	0.1	9260.61
Fe 271.441	23797.8b	ppb	1.9366	0.0	30386.3
K 766.491	16888.6b	ppb	21.1936	0.1	2308999
Mg 279.078	15240.5b	ppb	4.5630	0.0	42781.0
Mn 257.610	1731.28b	ppb	0.2252	0.0	320349
Mo 202.032	155.812b	ppb	0.9258	0.6	1193.03
Na 330.237	111544xb	ppb	184.110	0.2	7597.53
Ni 231.604	185.433b	ppb	1.0154	0.5	720.413
Pb 220.353	155.675b	ppb	1.8983	1.2	225.417
Sb 206.834	145.790b	ppb	1.3456	0.9	167.046
Se 196.026	150.632b	ppb	0.8964	0.6	77.5999
Sn 189.925	149.807b	ppb	4.5874	3.1	108.969
Sr 216.596	175.771b	ppb	0.6215	0.4	1946.73
Ti 334.941	149.806b	ppb	0.0795	0.1	67570.8
Tl 190.794	25.8800b	ppb	3.9513	15.3	7.7131
V 292.401	154.165b	ppb	0.8080	0.5	6379.86
Zn 206.200	833.532b	ppb	0.5849	0.1	2700.54

LB 680-334161/4-B (Samp) **6/17/2014, 11:54:50 PM** **Rack 2, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	0.2543	0.7546	0.4238
Al 308.215	3.5579	5.6527	5.4485
As 188.980	8.0606	1.5825	1.0268
B 249.678	16.0129	15.4336	15.0713
Ba 389.178	2.3131	1.2549	1.7004
Be 313.042	0.1310	0.1390	0.1398
Ca 370.602	122.8	124.9	116.6
Cd 226.502	0.0441	-0.0356u	0.0458
Co 228.615	-0.0712u	0.0697	0.4418
Cr 267.716	0.2809	0.2552	0.3861
Cu 324.754	1.4633	1.2254	1.3319
Fe 271.441	6.9088	6.5342	3.1148
K 766.491	42.3453	42.3666	41.4993
Mg 279.078	23.0643	26.1213	24.9661

Label	Replicates Concentration		
Mn 257.610	0.2772	0.2431	0.1588
Mo 202.032	0.7482	-0.3379u	-0.1958u
Na 330.237	132434x	131865x	131278x
Ni 231.604	1.8553	1.8453	3.0038
Pb 220.353	0.6881	-1.2746u	-2.1233u
Sb 206.834	-2.8483u	-2.5457u	-5.4919u
Se 196.026	1.2349	-7.2105u	6.6943
Sn 189.925	1.6317	-3.3295u	-0.5359u
Sr 216.596	0.6035	0.7508	0.4846
Ti 334.941	0.2088	0.1638	0.1529
Tl 190.794	3.8544	0.4408	-3.3163u
V 292.401	0.2978	-0.0903u	-0.1475u
Zn 206.200	5.0033	4.5849	4.3127

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4776b	ppb	0.2545	53.3	-2.9113
Al 308.215	4.8863b	ppb	1.1550	23.6	428.697
As 188.980	3.5566b	ppb	3.9104	109.9	-2.7039
B 249.678	15.5059b	ppb	0.4749	3.1	347.052
Ba 389.178	1.7562b	ppb	0.5313	30.3	9.6622
Be 313.042	0.1366b	ppb	0.0049	3.6	-3140.66
Ca 370.602	121.4b	ppb	4.299	3.5	587.5
Cd 226.502	0.0181b	ppb	0.0465	256.7	26.5108
Co 228.615	0.1468b	ppb	0.2650	180.6	-15.8400
Cr 267.716	0.3074b	ppb	0.0693	22.6	12.7246
Cu 324.754	1.3402b	ppb	0.1191	8.9	289.649
Fe 271.441	5.5193b	ppb	2.0907	37.9	52.4001
K 766.491	42.0704b	ppb	0.4947	1.2	7922.79
Mg 279.078	24.7173b	ppb	1.5436	6.2	108.645
Mn 257.610	0.2263b	ppb	0.0609	26.9	57.2409
Mo 202.032	0.0715b	ppb	0.5903	825.9	6.8877
Na 330.237	131859xb	ppb	578.179	0.4	8983.10
Ni 231.604	2.2348b	ppb	0.6660	29.8	13.2764
Pb 220.353	-0.9033b	ppb	1.4420	159.6	0.7089
Sb 206.834	-3.6286b	ppb	1.6207	44.7	4.4737
Se 196.026	0.2396b	ppb	7.0056	2924.3	7.8089
Sn 189.925	-0.7446b	ppb	2.4871	334.0	-10.5026
Sr 216.596	0.6130b	ppb	0.1333	21.8	13.5893
Ti 334.941	0.1752b	ppb	0.0296	16.9	-19.7373
Tl 190.794	0.3263b	ppb	3.5867	1099.2	-10.2584
V 292.401	0.0200b	ppb	0.2423	1211.2	8.4425
Zn 206.200	4.6336b	ppb	0.3479	7.5	16.4887

680-102285-A-1-B (Samp) **6/17/2014, 11:59:30 PM** **Rack 2, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	0.4152	0.4405	-0.0085u
Al 308.215	46.0329	47.1192	46.0201
As 188.980	-0.6884u	-0.4554u	-0.9101u
B 249.678	62.3013	63.1980	62.7230
Ba 389.178	2.6435	1.8999	2.1400

Label	Replicates Concentration		
Be 313.042	0.1469	0.1480	0.1567
Ca 370.602	1834	1843	1837
Cd 226.502	0.2259	0.3996	0.1951
Co 228.615	0.6678	-0.1098u	0.2104
Cr 267.716	0.2490	0.6058	0.1780
Cu 324.754	1.4054	1.3328	0.9104
Fe 271.441	604.585	606.329	598.861
K 766.491	410.916	411.653	409.804
Mg 279.078	418.193	420.389	423.149
Mn 257.610	17.3812	17.3033	17.3227
Mo 202.032	3.6440	3.7105	2.9597
Na 330.237	10499.9	10536.6	10329.8
Ni 231.604	2.4498	2.5285	1.4145
Pb 220.353	-0.2796u	2.5574	2.1118
Sb 206.834	0.5461	-1.5964u	-1.2468u
Se 196.026	2.3231	-9.6738u	-0.9961u
Sn 189.925	1.0188	3.8166	1.6008
Sr 216.596	9.8308	9.5839	10.4848
Ti 334.941	0.5869	0.6372	0.7079
Tl 190.794	-3.2471u	-3.7293u	-3.1880u
V 292.401	0.4821	-0.0703u	0.2485
Zn 206.200	7.8588	8.1237	7.1526

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2824	ppb	0.2522	89.3	-14.5172
Al 308.215	46.3907	ppb	0.6309	1.4	713.300
As 188.980	-0.6846	ppb	0.2274	33.2	-5.4486
B 249.678	62.7408	ppb	0.4486	0.7	1143.77
Ba 389.178	2.2278	ppb	0.3795	17.0	25.1932
Be 313.042	0.1505	ppb	0.0054	3.6	-3076.70
Ca 370.602	1838	ppb	4.463	0.2	9133
Cd 226.502	0.2735	ppb	0.1102	40.3	39.9695
Co 228.615	0.2561	ppb	0.3908	152.6	-14.7375
Cr 267.716	0.3443	ppb	0.2293	66.6	12.6556
Cu 324.754	1.2162	ppb	0.2673	22.0	280.958
Fe 271.441	603.258	ppb	3.9064	0.6	814.122
K 766.491	410.791	ppb	0.9308	0.2	58286.5
Mg 279.078	420.577	ppb	2.4834	0.6	1218.89
Mn 257.610	17.3357	ppb	0.0405	0.2	3226.28
Mo 202.032	3.4381	ppb	0.4156	12.1	32.5211
Na 330.237	10455.4	ppb	110.376	1.1	805.438
Ni 231.604	2.1309	ppb	0.6217	29.2	12.9047
Pb 220.353	1.4632	ppb	1.5257	104.3	4.0993
Sb 206.834	-0.7657	ppb	1.1494	150.1	7.5493
Se 196.026	-2.7823	ppb	6.1947	222.6	6.4575
Sn 189.925	2.1454	ppb	1.4763	68.8	-8.2446
Sr 216.596	9.9665	ppb	0.4655	4.7	116.976
Ti 334.941	0.6440	ppb	0.0608	9.4	206.179
Tl 190.794	-3.3881	ppb	0.2970	8.8	-13.0166
V 292.401	0.2201	ppb	0.2773	126.0	17.3087
Zn 206.200	7.7117	ppb	0.5020	6.5	26.4760

680-102285-A-1-C MS (Samp) **6/18/2014, 12:04:09 AM** **Rack 2, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	157.115	156.895	156.659
Al 308.215	1537.79	1538.00	1537.21
As 188.980	160.512	156.462	156.411
B 249.678	345.174	345.987	347.287
Ba 389.178	154.465	154.608	153.982
Be 313.042	156.004	155.853	155.959
Ca 370.602	16627	16617	16605
Cd 226.502	154.406	153.984	154.295
Co 228.615	155.758	155.727	154.534
Cr 267.716	156.625	155.822	156.014
Cu 324.754	162.565	161.993	161.348
Fe 271.441	15696.1	15679.0	15654.1
K 766.491	15665.8	15701.6	15749.8
Mg 279.078	15436.4	15438.9	15419.6
Mn 257.610	1631.93	1629.24	1631.32
Mo 202.032	161.592	160.640	159.430
Na 330.237	22628.1	22727.0	22672.8
Ni 231.604	156.706	157.357	153.663
Pb 220.353	157.363	156.870	160.901
Sb 206.834	144.565	149.561	149.091
Se 196.026	152.056	154.228	151.219
Sn 189.925	153.335	152.791	153.842
Sr 216.596	159.797	160.272	160.372
Ti 334.941	154.617	154.716	154.808
Tl 190.794	31.5168	25.3503	25.6331
V 292.401	157.930	156.929	157.143
Zn 206.200	158.605	158.049	158.274

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	156.890	ppb	0.2281	0.1	9297.15
Al 308.215	1537.67	ppb	0.4077	0.0	10950.8
As 188.980	157.795	ppb	2.3529	1.5	96.8495
B 249.678	346.149	ppb	1.0658	0.3	5916.73
Ba 389.178	154.352	ppb	0.3280	0.2	4263.80
Be 313.042	155.939	ppb	0.0776	0.0	484106
Ca 370.602	16616	ppb	11.04	0.1	82575
Cd 226.502	154.228	ppb	0.2187	0.1	6529.08
Co 228.615	155.340	ppb	0.6980	0.4	1608.85
Cr 267.716	156.153	ppb	0.4193	0.3	5501.27
Cu 324.754	161.969	ppb	0.6092	0.4	9167.33
Fe 271.441	15676.4	ppb	21.0855	0.1	20037.3
K 766.491	15705.7	ppb	42.1448	0.3	2147427
Mg 279.078	15431.6	ppb	10.4665	0.1	43338.8
Mn 257.610	1630.83	ppb	1.4078	0.1	301752
Mo 202.032	160.554	ppb	1.0840	0.7	1230.11
Na 330.237	22675.9	ppb	49.5124	0.2	1617.90
Ni 231.604	155.909	ppb	1.9719	1.3	606.246
Pb 220.353	158.378	ppb	2.1984	1.4	229.430
Sb 206.834	147.739	ppb	2.7589	1.9	168.803
Se 196.026	152.501	ppb	1.5531	1.0	78.2218

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	153.323	ppb	0.5253	0.3	111.733
Sr 216.596	160.147	ppb	0.3074	0.2	1768.92
Ti 334.941	154.713	ppb	0.0955	0.1	69794.9
Tl 190.794	27.5001	ppb	3.4815	12.7	9.3648
V 292.401	157.334	ppb	0.5269	0.3	6510.14
Zn 206.200	158.310	ppb	0.2795	0.2	514.036

Cont Calib Verif (CCV) **6/18/2014, 12:08:48 AM** **Rack 2, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	484.493	482.996	483.601
Al 308.215	4740.88	4732.81	4743.11
As 188.980	472.908	470.147	473.243
B 249.678	477.151	477.337	479.573
Ba 389.178	4851.93	4858.28	4859.91
Be 313.042	484.372	483.740	484.427
Ca 370.602	4901	4912	4915
Cd 226.502	486.354	487.305	487.566
Co 228.615	490.193	489.722	490.267
Cr 267.716	4837.42	4841.91	4844.32
Cu 324.754	4927.47	4929.23	5001.61
Fe 271.441	4833.97	4837.06	4826.91
K 766.491	9701.33	9672.68	9691.96
Mg 279.078	4787.03	4788.91	4789.33
Mn 257.610	4915.02	4919.77	4924.29
Mo 202.032	487.659	487.957	487.696
Na 330.237	7112.00	7294.49	7031.10
Ni 231.604	2438.83	2430.27	2426.36
Pb 220.353	495.266	493.802	486.886
Sb 206.834	955.149	954.069	947.632
Se 196.026	4812.33	4829.70	4836.64
Sn 189.925	4813.43	4886.96	4883.08
Sr 216.596	2365.96	2367.47	2370.30
Ti 334.941	480.059	479.967	480.723
Tl 190.794	4859.30	4892.01	4899.60
V 292.401	4849.63	4854.88	4861.86
Zn 206.200	2420.89	2419.66	2424.24

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	483.697	ppb	0.7529	0.2	28748.0	96.73930
Al 308.215	4738.93	ppb	5.4215	0.1	33191.1	94.77866
As 188.980	472.099	ppb	1.6994	0.4	300.115	94.41985
B 249.678	478.021	ppb	1.3477	0.3	8164.23	95.60411
Ba 389.178	4856.71	ppb	4.2136	0.1	132647	97.13415
Be 313.042	484.180	ppb	0.3815	0.1	1512321	96.83595
Ca 370.602	4910	ppb	7.229	0.1	24505	98.19093
Cd 226.502	487.075	ppb	0.6379	0.1	20403.2	97.41493
Co 228.615	490.061	ppb	0.2957	0.1	5110.60	98.01217
Cr 267.716	4841.22	ppb	3.5017	0.1	170535	96.82437
Cu 324.754	4952.77	ppb	42.3101	0.9	274492	99.05537
Fe 271.441	4832.65	ppb	5.2013	0.1	6273.79	96.65298

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9688.66	ppb	14.6078	0.2	1325553	96.88657
Mg 279.078	4788.42	ppb	1.2284	0.0	13475.0	95.76845
Mn 257.610	4919.69	ppb	4.6340	0.1	909822	98.39382
Mo 202.032	487.771	ppb	0.1627	0.0	3726.28	97.55415
Na 330.237	7145.86	ppb	134.921	1.9	563.648	95.27817
Ni 231.604	2431.82	ppb	6.3771	0.3	9376.42	97.27268
Pb 220.353	491.985	ppb	4.4757	0.9	712.189	98.39694
Sb 206.834	952.283	ppb	4.0640	0.4	1084.66	95.22835
Se 196.026	4826.22	ppb	12.5223	0.3	2215.07	96.52445
Sn 189.925	4861.15	ppb	41.3786	0.9	3847.84	97.22305
Sr 216.596	2367.91	ppb	2.2054	0.1	25781.7	94.71645
Ti 334.941	480.250	ppb	0.4127	0.1	216713	96.04994
Tl 190.794	4883.64	ppb	21.4163	0.4	3578.28	97.67278
V 292.401	4855.46	ppb	6.1380	0.1	201702	97.10913
Zn 206.200	2421.60	ppb	2.3708	0.1	7824.47	96.86395

Cont Calib Blank (CCB) **6/18/2014, 12:13:26 AM** **Rack 2, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.2872	0.3000	0.3978
Al 308.215	-4.2816u	-5.9051u	-5.9352u
As 188.980	7.7009	4.3510	-1.6878u
B 249.678	3.0173	2.1445	2.5859
Ba 389.178	0.9452	1.1277	0.5948
Be 313.042	0.1806	0.1832	0.1835
Ca 370.602	6.175	2.847	4.220
Cd 226.502	0.3054	0.2402	0.2674
Co 228.615	0.1473	0.3604	-0.1291u
Cr 267.716	0.4541	0.2185	0.2256
Cu 324.754	0.8257	0.9019	0.7530
Fe 271.441	6.7950	1.3094	-2.5577u
K 766.491	0.7947	0.2703	0.1591
Mg 279.078	3.4170	-0.2321u	-1.4436u
Mn 257.610	0.4540	0.4024	0.3386
Mo 202.032	0.3706	1.0094	0.0503
Na 330.237	26.7804	-52.4702u	-4.4296u
Ni 231.604	0.7887	1.0812	1.4914
Pb 220.353	2.3545	1.6612	-0.9763u
Sb 206.834	-6.4484u	-0.9121u	-3.0436u
Se 196.026	0.2960	-5.3033u	-3.2295u
Sn 189.925	4.4178	1.6426	1.4051
Sr 216.596	-0.1830u	-0.1740u	0.4942
Ti 334.941	0.1362	0.1067	0.1156
Tl 190.794	1.9442	-4.8571u	0.2628
V 292.401	0.3868	0.4606	0.2342
Zn 206.200	-0.6641u	-0.1895u	-0.3124u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3283	ppb	0.0605	18.4	-11.7801	0.32829
Al 308.215	-5.3740	ppb	0.9462	17.6	358.461	-5.37398
As 188.980	3.4547	ppb	4.7581	137.7	-2.7696	3.45472

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	2.5826	ppb	0.4364	16.9	128.966	2.58256
Ba 389.178	0.8892	ppb	0.2708	30.5	-14.1055	0.88920
Be 313.042	0.1824	ppb	0.0016	0.9	-2975.52	0.18244
Ca 370.602	4.414	ppb	1.672	37.9	4.242	4.41395
Cd 226.502	0.2710	ppb	0.0328	12.1	37.7710	0.27101
Co 228.615	0.1262	ppb	0.2454	194.5	-16.0679	0.12619
Cr 267.716	0.2994	ppb	0.1340	44.8	10.9548	0.29940
Cu 324.754	0.8269	ppb	0.0745	9.0	261.346	0.82687
Fe 271.441	1.8489	ppb	4.6997	254.2	47.7279	1.84889
K 766.491	0.4080	ppb	0.3394	83.2	2232.12	0.40805
Mg 279.078	0.5804	ppb	2.5301	435.9	40.8712	0.58044
Mn 257.610	0.3984	ppb	0.0578	14.5	89.3437	0.39836
Mo 202.032	0.4767	ppb	0.4883	102.4	9.9815	0.47672
Na 330.237	-10.0398	ppb	39.9221	397.6	100.849	-10.03977
Ni 231.604	1.1204	ppb	0.3530	31.5	8.9815	1.12042
Pb 220.353	1.0131	ppb	1.7574	173.5	3.4673	1.01313
Sb 206.834	-3.4680	ppb	2.7925	80.5	4.6399	-3.46802
Se 196.026	-2.7456	ppb	2.8308	103.1	6.4433	-2.74561
Sn 189.925	2.4885	ppb	1.6750	67.3	-7.9754	2.48850
Sr 216.596	0.0457	ppb	0.3884	849.2	7.3871	0.04574
Ti 334.941	0.1195	ppb	0.0151	12.7	-30.6847	0.11950
Tl 190.794	-0.8833	ppb	3.5426	401.0	-11.1452	-0.88333
V 292.401	0.3605	ppb	0.1155	32.0	23.8667	0.36054
Zn 206.200	-0.3887	ppb	0.2463	63.4	0.2269	-0.38866

680-102285-A-1-D MSD (Samp) **6/18/2014, 12:18:05 AM** **Rack 2, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	156.872	157.759	157.490
Al 308.215	1544.30	1548.08	1546.47
As 188.980	158.546	158.233	161.994
B 249.678	348.480	349.589	349.644
Ba 389.178	155.519	155.795	155.616
Be 313.042	156.548	156.569	156.558
Ca 370.602	16693	16705	16721
Cd 226.502	155.867	155.420	154.978
Co 228.615	155.818	155.916	155.225
Cr 267.716	156.930	157.085	157.044
Cu 324.754	163.889	162.190	163.461
Fe 271.441	15763.1	15745.2	15756.6
K 766.491	15815.1	15807.5	15815.0
Mg 279.078	15476.8	15497.0	15493.9
Mn 257.610	1638.55	1638.52	1638.73
Mo 202.032	161.294	161.682	161.216
Na 330.237	22848.5	22887.3	22973.2
Ni 231.604	157.279	157.087	156.440
Pb 220.353	158.889	163.413	159.124
Sb 206.834	143.677	144.961	146.910
Se 196.026	151.077	156.505	148.246
Sn 189.925	151.320	152.229	156.773
Sr 216.596	160.453	160.885	161.265

Label	Replicates Concentration		
Ti 334.941	155.430	155.481	155.457
Tl 190.794	24.4409	30.3172	28.6134
V 292.401	158.295	157.967	158.088
Zn 206.200	160.995	161.861	159.514

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	157.374	ppb	0.4546	0.3	9325.92
Al 308.215	1546.28	ppb	1.8962	0.1	11009.9
As 188.980	159.591	ppb	2.0871	1.3	98.0095
B 249.678	349.238	ppb	0.6570	0.2	5968.76
Ba 389.178	155.643	ppb	0.1398	0.1	4299.43
Be 313.042	156.558	ppb	0.0102	0.0	486044
Ca 370.602	16706	ppb	14.21	0.1	83023
Cd 226.502	155.421	ppb	0.4447	0.3	6579.23
Co 228.615	155.653	ppb	0.3742	0.2	1612.13
Cr 267.716	157.020	ppb	0.0803	0.1	5531.78
Cu 324.754	163.180	ppb	0.8835	0.5	9234.33
Fe 271.441	15755.0	ppb	9.0789	0.1	20137.4
K 766.491	15812.5	ppb	4.3925	0.0	2162014
Mg 279.078	15489.3	ppb	10.9016	0.1	43500.4
Mn 257.610	1638.60	ppb	0.1156	0.0	303189
Mo 202.032	161.397	ppb	0.2495	0.2	1236.54
Na 330.237	22903.0	ppb	63.7987	0.3	1633.13
Ni 231.604	156.935	ppb	0.4398	0.3	610.203
Pb 220.353	160.475	ppb	2.5470	1.6	232.446
Sb 206.834	145.182	ppb	1.6277	1.1	165.981
Se 196.026	151.942	ppb	4.1968	2.8	77.9704
Sn 189.925	153.441	ppb	2.9217	1.9	111.827
Sr 216.596	160.868	ppb	0.4063	0.3	1776.83
Ti 334.941	155.456	ppb	0.0255	0.0	70130.3
Tl 190.794	27.7905	ppb	3.0233	10.9	9.5747
V 292.401	158.117	ppb	0.1659	0.1	6542.47
Zn 206.200	160.790	ppb	1.1868	0.7	522.067

680-102292-B-1-B (Samp) **6/18/2014, 12:22:43 AM** **Rack 2, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-0.6638u	-0.6188u	-0.6581u
Al 308.215	14982.7	14998.6	15012.7
As 188.980	155.140	161.221	160.048
B 249.678	131.185	131.731	131.576
Ba 389.178	592.854	593.626	593.652
Be 313.042	0.2037	0.2030	0.1956
Ca 370.602	58330	58292	58427
Cd 226.502	447.541	447.748	449.502
Co 228.615	566.921	569.263	577.189
Cr 267.716	41140.4x	41265.8x	41299.7x
Cu 324.754	2.9436	2.8245	3.0881
Fe 271.441	994952x	993137x	997762x
K 766.491	77894.3x	77774.9x	77988.9x
Mg 279.078	11723.2	11744.2	11765.2

Label	Replicates Concentration		
Mn 257.610	23895.8	23859.0	23886.7
Mo 202.032	-1.2454u	-3.2699u	-4.8174u
Na 330.237	-54760.3u	-57422.6u	-56656.3u
Ni 231.604	799.016	799.170	803.469
Pb 220.353	1078.04	1064.02	1073.12
Sb 206.834	104.959	87.0083	116.535
Se 196.026	-19.1529	-13.2600	-36.0454
Sn 189.925	0.1515	4.1220	-0.8876u
Sr 216.596	5003.30	5018.91	5012.61
Ti 334.941	6.8830	6.8620	6.8968
Tl 190.794	8.4842u	15.5036u	16.2895u
V 292.401	9.5336u	9.1783u	9.6324u
Zn 206.200	253333x	252546x	251983x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6469b	ppb	0.0245	3.8	-67.2849
Al 308.215	14998.0b	ppb	15.0275	0.1	103135
As 188.980	158.803b	ppb	3.2257	2.0	88.3420
B 249.678	131.497b	ppb	0.2814	0.2	1505.52
Ba 389.178	593.377b	ppb	0.4532	0.1	18470.6
Be 313.042	0.2008b	ppb	0.0045	2.2	-2932.65
Ca 370.602	58349b	ppb	69.42	0.1	272787
Cd 226.502	448.264b	ppb	1.0775	0.2	22313.6
Co 228.615	571.125b	ppb	5.3807	0.9	6022.83
Cr 267.716	41235.3xb	ppb	83.9164	0.2	1453018
Cu 324.754	2.9520b	ppb	0.1320	4.5	321.188
Fe 271.441	995284xb	ppb	2330.13	0.2	1268152
K 766.491	77886.1xb	ppb	107.233	0.1	10640653
Mg 279.078	11744.2b	ppb	20.9912	0.2	30460.3
Mn 257.610	23880.5b	ppb	19.1591	0.1	4418942
Mo 202.032	-3.1109b	ppb	1.7913	57.6	-126.644
Na 330.237	-56279.7b	ppb	1370.48	2.4	-5054.94
Ni 231.604	800.551b	ppb	2.5274	0.3	3137.98
Pb 220.353	1071.73b	ppb	7.1090	0.7	1557.21
Sb 206.834	102.834b	ppb	14.8778	14.5	453.382
Se 196.026	-22.8194b	ppb	11.8269	51.8	27.5997
Sn 189.925	1.1286b	ppb	2.6439	234.3	-9.0143
Sr 216.596	5011.61b	ppb	7.8549	0.2	55782.9
Ti 334.941	6.8806b	ppb	0.0175	0.3	3213.87
Tl 190.794	13.4258b	ppb	4.2975	32.0	-53.2959
V 292.401	9.4481b	ppb	0.2388	2.5	-2588.04
Zn 206.200	252621xb	ppb	678.131	0.3	817861

680-102292-B-1-B^10 (Samp) **6/18/2014, 12:27:21 AM** **Rack 2, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	0.1718	0.1748	-0.0085
Al 308.215	1514.71	1474.71	1450.64
As 188.980	17.8929	15.6937	14.5108
B 249.678	14.3896	14.0717	13.2200
Ba 389.178	62.3443	60.6006	59.5524

Label	Replicates Concentration		
Be 313.042	0.1787	0.1774	0.1707
Ca 370.602	6200	6065	5974
Cd 226.502	48.8103	47.7694	46.5101
Co 228.615	63.0308	62.7133	61.4027
Cr 267.716	4557.91	4446.95	4377.68
Cu 324.754	0.3446	0.6676	0.4664
Fe 271.441	109769	107142	105464
K 766.491	8629.23	8496.98	8386.33
Mg 279.078	1308.53	1281.56	1264.10
Mn 257.610	2772.11	2712.75	2667.53
Mo 202.032	-0.7019u	-0.2237u	-0.6094u
Na 330.237	-4185.67u	-3655.52u	-4241.66u
Ni 231.604	89.4793	87.2438	87.2986
Pb 220.353	118.742	114.690	112.057
Sb 206.834	11.2467	7.6644	11.3884
Se 196.026	-5.7935	-4.1029	-2.3448
Sn 189.925	0.6559	3.5453	2.5123
Sr 216.596	545.885	532.290	522.886
Ti 334.941	0.8065	0.7574	0.7251
Tl 190.794	1.0675u	4.2981u	-1.2910u
V 292.401	0.9592u	1.1661u	1.4211u
Zn 206.200	46343.5x	45437.5x	44800.7x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1127b	ppb	0.1050	93.1	-23.7749
Al 308.215	1480.02b	ppb	32.3630	2.2	10533.7
As 188.980	16.0324b	ppb	1.7163	10.7	4.3581
B 249.678	13.8937b	ppb	0.6048	4.4	233.660
Ba 389.178	60.8325b	ppb	1.4103	2.3	1871.50
Be 313.042	0.1756b	ppb	0.0043	2.5	-2996.52
Ca 370.602	6079b	ppb	113.7	1.9	28339
Cd 226.502	47.6966b	ppb	1.1518	2.4	2403.07
Co 228.615	62.3823b	ppb	0.8630	1.4	642.299
Cr 267.716	4460.85b	ppb	90.9170	2.0	157188
Cu 324.754	0.4928b	ppb	0.1631	33.1	236.810
Fe 271.441	107458b	ppb	2170.34	2.0	136960
K 766.491	8504.18b	ppb	121.608	1.4	1163765
Mg 279.078	1284.73b	ppb	22.3858	1.7	3370.99
Mn 257.610	2717.46b	ppb	52.4499	1.9	502846
Mo 202.032	-0.5117b	ppb	0.2536	49.6	-9.3466
Na 330.237	-4027.62b	ppb	323.460	8.0	-380.285
Ni 231.604	88.0072b	ppb	1.2751	1.4	349.046
Pb 220.353	115.163b	ppb	3.3675	2.9	169.143
Sb 206.834	10.0998b	ppb	2.1103	20.9	55.4267
Se 196.026	-4.0804b	ppb	1.7244	42.3	9.1282
Sn 189.925	2.2378b	ppb	1.4641	65.4	-8.1702
Sr 216.596	533.687b	ppb	11.5632	2.2	5947.74
Ti 334.941	0.7630b	ppb	0.0410	5.4	280.694
Tl 190.794	1.3582b	ppb	2.8058	206.6	-15.1478
V 292.401	1.1821b	ppb	0.2314	19.6	-264.882
Zn 206.200	45527.2xb	ppb	775.325	1.7	147405

MB 680-334439/1-A (Samp) **6/18/2014, 12:31:59 AM** **Rack 2, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	0.5172	0.0367	0.3298
Al 308.215	0.5494	0.4828	0.3521
As 188.980	4.5833	-1.6974u	0.4930
B 249.678	0.1963	-0.2737u	0.0558
Ba 389.178	0.5921	-0.6473u	-0.1837u
Be 313.042	0.1592	0.1650	0.1719
Ca 370.602	33.01	36.46	35.43
Cd 226.502	0.1910	0.1312	0.3342
Co 228.615	0.1286	-0.0994u	-0.0135u
Cr 267.716	0.9794	0.9972	1.1249
Cu 324.754	0.2386	0.4254	0.4087
Fe 271.441	62.4359	55.0161	59.0595
K 766.491	19.9495	19.5533	19.4419
Mg 279.078	6.7254	3.8176	5.1494
Mn 257.610	0.8532	0.8003	0.8534
Mo 202.032	1.1541	0.0089	0.7089
Na 330.237	149.377	1.1390u	10.7130
Ni 231.604	2.1775	1.5520	2.0539
Pb 220.353	1.7027	0.4952	-0.0907u
Sb 206.834	-3.8293u	-4.8131u	-3.0438u
Se 196.026	-3.7419u	0.1599	-8.7817u
Sn 189.925	26.9921	30.5994	31.5651
Sr 216.596	0.6161	0.2416	-0.3197u
Ti 334.941	0.3550	0.3041	0.3527
Tl 190.794	-3.0632u	-5.8394u	0.0332
V 292.401	0.1800	0.1433	0.0977
Zn 206.200	16.2067	15.2235	14.8103

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2946	ppb	0.2422	82.2	-13.7897
Al 308.215	0.4614	ppb	0.1003	21.7	398.437
As 188.980	1.1263	ppb	3.1879	283.0	-4.2744
B 249.678	-0.0072	ppb	0.2412	3365.7	85.2154
Ba 389.178	-0.0796	ppb	0.6263	786.4	-40.4196
Be 313.042	0.1654	ppb	0.0064	3.8	-3028.92
Ca 370.602	34.97	ppb	1.773	5.1	155.6
Cd 226.502	0.2188	ppb	0.1043	47.7	35.7955
Co 228.615	0.0052	ppb	0.1151	2208.8	-17.3301
Cr 267.716	1.0338	ppb	0.0793	7.7	36.8377
Cu 324.754	0.3576	ppb	0.1034	28.9	235.316
Fe 271.441	58.8372	ppb	3.7149	6.3	120.309
K 766.491	19.6483	ppb	0.2668	1.4	4860.14
Mg 279.078	5.2308	ppb	1.4556	27.8	53.7827
Mn 257.610	0.8356	ppb	0.0306	3.7	170.406
Mo 202.032	0.6240	ppb	0.5773	92.5	11.0995
Na 330.237	53.7432	ppb	82.9599	154.4	105.058
Ni 231.604	1.9278	ppb	0.3313	17.2	12.0956
Pb 220.353	0.7024	ppb	0.9145	130.2	3.0193
Sb 206.834	-3.8954	ppb	0.8865	22.8	4.1729
Se 196.026	-4.1213	ppb	4.4829	108.8	5.8162

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	29.7189	ppb	2.4103	8.1	13.6346
Sr 216.596	0.1793	ppb	0.4710	262.7	8.8752
Ti 334.941	0.3372	ppb	0.0288	8.5	67.6150
Tl 190.794	-2.9565	ppb	2.9378	99.4	-12.6703
V 292.401	0.1403	ppb	0.0412	29.4	14.6193
Zn 206.200	15.4135	ppb	0.7173	4.7	51.3932

LCS 680-334439/2-A (Samp) **6/18/2014, 12:36:37 AM** **Rack 2, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	46.5595	47.1391	47.1502
Al 308.215	4466.01	4450.22	4443.83
As 188.980	96.9170	97.5799	99.8755
B 249.678	173.380	172.156	173.020
Ba 389.178	91.9526	92.2395	93.4525
Be 313.042	47.2999	47.1271	47.1522
Ca 370.602	4661	4638	4635
Cd 226.502	47.4045	47.4812	47.2353
Co 228.615	47.4865	47.7526	47.0570
Cr 267.716	95.3379	94.9923	94.6092
Cu 324.754	96.8178	96.4833	95.4298
Fe 271.441	4597.35	4549.85	4565.61
K 766.491	4510.09	4490.17	4490.04
Mg 279.078	4505.98	4499.51	4500.35
Mn 257.610	485.761	484.803	484.611
Mo 202.032	94.0618	94.1391	93.2437
Na 330.237	5097.50	5132.08	5097.62
Ni 231.604	96.0969	95.4822	95.0530
Pb 220.353	49.9806	47.4904	43.7531
Sb 206.834	43.1855	41.5985	42.0397
Se 196.026	87.8046	95.1183	87.2416
Sn 189.925	210.522	207.792	208.779
Sr 216.596	90.0485	90.9920	90.7139
Ti 334.941	92.7433	92.3754	92.3262
Tl 190.794	29.7449	30.6544	38.4596
V 292.401	94.7305	93.7869	93.9992
Zn 206.200	97.0326	97.2332	98.0378

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.9496	ppb	0.3378	0.7	2760.39
Al 308.215	4453.35	ppb	11.4176	0.3	30916.4
As 188.980	98.1241	ppb	1.5525	1.6	58.3803
B 249.678	172.852	ppb	0.6290	0.4	2999.47
Ba 389.178	92.5482	ppb	0.7962	0.9	2514.79
Be 313.042	47.1931	ppb	0.0934	0.2	144047
Ca 370.602	4645	ppb	14.49	0.3	23080
Cd 226.502	47.3737	ppb	0.1258	0.3	2022.98
Co 228.615	47.4321	ppb	0.3510	0.7	478.892
Cr 267.716	94.9798	ppb	0.3645	0.4	3346.22
Cu 324.754	96.2436	ppb	0.7244	0.8	5540.46
Fe 271.441	4570.94	ppb	24.1922	0.5	5875.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	4496.77	ppb	11.5373	0.3	616391
Mg 279.078	4501.95	ppb	3.5167	0.1	12671.2
Mn 257.610	485.058	ppb	0.6164	0.1	89760.3
Mo 202.032	93.8149	ppb	0.4961	0.5	721.919
Na 330.237	5109.06	ppb	19.9294	0.4	441.434
Ni 231.604	95.5441	ppb	0.5247	0.5	373.085
Pb 220.353	47.0747	ppb	3.1345	6.7	69.3307
Sb 206.834	42.2746	ppb	0.8192	1.9	53.7021
Se 196.026	90.0548	ppb	4.3941	4.9	49.1033
Sn 189.925	209.031	ppb	1.3827	0.7	155.937
Sr 216.596	90.5848	ppb	0.4848	0.5	997.359
Ti 334.941	92.4816	ppb	0.2279	0.2	41674.3
Tl 190.794	32.9530	ppb	4.7905	14.5	13.5690
V 292.401	94.1722	ppb	0.4950	0.5	3898.29
Zn 206.200	97.4345	ppb	0.5320	0.5	316.776

LB 680-333979/3-D (Samp) **6/18/2014, 12:41:15 AM** **Rack 2, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	0.6627	0.4466	-0.0674u
Al 308.215	0.9176	2.9577	1.8577
As 188.980	-2.8598u	3.6983	7.0167
B 249.678	9.6569	9.7424	9.5258
Ba 389.178	2.2305	1.6640	0.8136
Be 313.042	0.1490	0.1737	0.1631
Ca 370.602	125.5	119.0	119.3
Cd 226.502	0.1326	0.0995	0.1471
Co 228.615	0.4796	-0.0393u	-0.0715u
Cr 267.716	0.6508	0.7494	0.6514
Cu 324.754	0.2120	0.4251	0.4137
Fe 271.441	10.4364	0.5927	7.9916
K 766.491	35.6391	35.3399	35.3684
Mg 279.078	18.1448	17.4932	18.4726
Mn 257.610	0.3042	0.2868	0.2415
Mo 202.032	1.0795	0.3409	-0.1629u
Na 330.237	17449.3	17383.3	17530.2
Ni 231.604	1.5119	0.5817	2.1683
Pb 220.353	-1.1157u	1.2903	-2.9388u
Sb 206.834	-4.3609u	-0.3897u	-1.5936u
Se 196.026	-1.5253u	-8.2022u	0.6493
Sn 189.925	27.3030	24.9923	29.6347
Sr 216.596	0.1348	0.2593	-0.0062u
Ti 334.941	0.3718	0.3378	0.3661
Tl 190.794	-5.0724u	-1.3048u	-0.0228u
V 292.401	0.1764	0.0811	-0.0342u
Zn 206.200	12.5303	12.4095	12.2978

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3473	ppb	0.3750	108.0	-10.6529
Al 308.215	1.9110	ppb	1.0211	53.4	408.343
As 188.980	2.6184	ppb	5.0261	191.9	-3.3099

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	9.6417	ppb	0.1091	1.1	248.087
Ba 389.178	1.5694	ppb	0.7132	45.4	4.5386
Be 313.042	0.1619	ppb	0.0124	7.7	-3042.59
Ca 370.602	121.3	ppb	3.659	3.0	586.8
Cd 226.502	0.1264	ppb	0.0244	19.3	31.6515
Co 228.615	0.1229	ppb	0.3093	251.6	-16.0950
Cr 267.716	0.6839	ppb	0.0568	8.3	24.7029
Cu 324.754	0.3503	ppb	0.1199	34.2	234.815
Fe 271.441	6.3402	ppb	5.1254	80.8	53.4609
K 766.491	35.4491	ppb	0.1651	0.5	7018.39
Mg 279.078	18.0369	ppb	0.4986	2.8	89.8837
Mn 257.610	0.2775	ppb	0.0324	11.7	67.0771
Mo 202.032	0.4192	ppb	0.6249	149.1	9.5418
Na 330.237	17454.3	ppb	73.6114	0.4	1277.14
Ni 231.604	1.4206	ppb	0.7972	56.1	10.1387
Pb 220.353	-0.9214	ppb	2.1212	230.2	0.6826
Sb 206.834	-2.1147	ppb	2.0363	96.3	6.1341
Se 196.026	-3.0261	ppb	4.6127	152.4	6.3160
Sn 189.925	27.3100	ppb	2.3212	8.5	11.7280
Sr 216.596	0.1293	ppb	0.1328	102.7	8.3265
Ti 334.941	0.3586	ppb	0.0182	5.1	75.3918
Tl 190.794	-2.1333	ppb	2.6248	123.0	-12.0628
V 292.401	0.0744	ppb	0.1055	141.7	11.7653
Zn 206.200	12.4125	ppb	0.1163	0.9	41.6756

660-61063-A-2-B (Samp) **6/18/2014, 12:45:54 AM** **Rack 2, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	0.0379	0.5064	-0.2182u
Al 308.215	61.1787	62.2212	59.1859
As 188.980	6.2716	5.7843	3.7294
B 249.678	2.5447	2.0319	2.0251
Ba 389.178	1.1582	2.0545	-0.0779u
Be 313.042	0.1830	0.1660	0.1754
Ca 370.602	1283	1287	1284
Cd 226.502	0.2681	0.0539	0.3106
Co 228.615	0.2199	0.0024	0.1676
Cr 267.716	1.0051	1.2342	1.2782
Cu 324.754	48.6959	49.1480	48.7669
Fe 271.441	64.4471	62.3156	60.1206
K 766.491	33.3735	33.3830	33.3052
Mg 279.078	56.3492	56.2935	59.5732
Mn 257.610	0.5909	0.5599	0.4683
Mo 202.032	1.5384	1.5889	2.0067
Na 330.237	675.254	741.814	785.504
Ni 231.604	2.0584	1.4610	3.3377
Pb 220.353	4.3957	4.1662	6.8494
Sb 206.834	-1.9061u	0.3546	-0.0329u
Se 196.026	2.2557	-0.9279u	-2.8479u
Sn 189.925	34.4986	34.0133	29.5220
Sr 216.596	2.2205	2.8908	2.7365

Label	Replicates Concentration		
Ti 334.941	4.6603	4.6427	4.6283
Tl 190.794	4.8749	5.5618	1.3140
V 292.401	0.0689	0.1156	-0.0285u
Zn 206.200	63.5275	62.5074	64.1013

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1087	ppb	0.3675	338.0	-24.8423
Al 308.215	60.8620	ppb	1.5422	2.5	812.296
As 188.980	5.2618	ppb	1.3493	25.6	-1.6023
B 249.678	2.2005	ppb	0.2980	13.5	122.495
Ba 389.178	1.0449	ppb	1.0707	102.5	-9.5252
Be 313.042	0.1748	ppb	0.0085	4.9	-2999.17
Ca 370.602	1285	ppb	2.075	0.2	6386
Cd 226.502	0.2109	ppb	0.1376	65.2	35.4726
Co 228.615	0.1300	ppb	0.1135	87.3	-15.9682
Cr 267.716	1.1725	ppb	0.1466	12.5	41.7335
Cu 324.754	48.8703	ppb	0.2431	0.5	2921.26
Fe 271.441	62.2944	ppb	2.1633	3.5	124.726
K 766.491	33.3539	ppb	0.0424	0.1	6732.20
Mg 279.078	57.4053	ppb	1.8777	3.3	200.306
Mn 257.610	0.5397	ppb	0.0638	11.8	116.095
Mo 202.032	1.7113	ppb	0.2570	15.0	19.3992
Na 330.237	734.191	ppb	55.5189	7.6	150.649
Ni 231.604	2.2857	ppb	0.9588	41.9	13.4754
Pb 220.353	5.1371	ppb	1.4873	29.0	9.3955
Sb 206.834	-0.5281	ppb	1.2090	228.9	7.8555
Se 196.026	-0.5067	ppb	2.5777	508.7	7.4771
Sn 189.925	32.6780	ppb	2.7439	8.4	15.9831
Sr 216.596	2.6159	ppb	0.3511	13.4	35.9006
Ti 334.941	4.6438	ppb	0.0161	0.3	2011.65
Tl 190.794	3.9169	ppb	2.2802	58.2	-7.6280
V 292.401	0.0520	ppb	0.0735	141.3	10.6467
Zn 206.200	63.3787	ppb	0.8073	1.3	206.703

660-61063-A-2-Bsd (Samp) **6/18/2014, 12:50:33 AM** **Rack 2, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-0.0261u	0.0605	0.6385
Al 308.215	9.5265	5.2633	6.9094
As 188.980	2.9413	0.2194	1.6285
B 249.678	-0.0983u	-0.5935u	-0.2213u
Ba 389.178	-0.0153u	0.9976	0.7470
Be 313.042	0.1633	0.1692	0.1677
Ca 370.602	276.5	268.6	267.6
Cd 226.502	0.1758	-0.0092u	0.2540
Co 228.615	0.2921	0.3243	0.3867
Cr 267.716	0.1266	0.1943	0.1107
Cu 324.754	10.3717	10.2537	10.1894
Fe 271.441	15.4244	14.7557	13.1925
K 766.491	7.6019	7.5018	7.4544
Mg 279.078	14.9951	15.8386	13.0104

Label	Replicates Concentration		
Mn 257.610	0.1475	0.1505	0.1068
Mo 202.032	0.5067	0.7261	0.1281
Na 330.237	199.744	129.944	192.738
Ni 231.604	1.8087	1.3149	0.5612
Pb 220.353	1.9622	1.1640	0.8444
Sb 206.834	-2.3941u	-2.7269u	-6.5780u
Se 196.026	3.7163	1.0537	-1.0978u
Sn 189.925	8.3285	9.2754	7.5848
Sr 216.596	0.3052	0.7119	0.8643
Ti 334.941	0.9874	1.0093	0.9656
Tl 190.794	4.2832	5.4929	-3.0986u
V 292.401	-0.0136u	-0.0521u	0.2362
Zn 206.200	14.0748	12.6768	13.3454

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2243	ppb	0.3613	161.1	-17.9639
Al 308.215	7.2331	ppb	2.1500	29.7	444.812
As 188.980	1.5964	ppb	1.3612	85.3	-3.9703
B 249.678	-0.3044	ppb	0.2578	84.7	80.2559
Ba 389.178	0.5764	ppb	0.5275	91.5	-22.5703
Be 313.042	0.1667	ppb	0.0031	1.9	-3024.71
Ca 370.602	270.9	ppb	4.889	1.8	1333
Cd 226.502	0.1402	ppb	0.1352	96.4	32.3528
Co 228.615	0.3344	ppb	0.0481	14.4	-13.8711
Cr 267.716	0.1438	ppb	0.0444	30.9	5.4787
Cu 324.754	10.2716	ppb	0.0925	0.9	784.235
Fe 271.441	14.4575	ppb	1.1454	7.9	63.7896
K 766.491	7.5194	ppb	0.0753	1.0	3203.46
Mg 279.078	14.6147	ppb	1.4520	9.9	80.2499
Mn 257.610	0.1349	ppb	0.0244	18.1	40.7787
Mo 202.032	0.4536	ppb	0.3025	66.7	9.8039
Na 330.237	174.142	ppb	38.4363	22.1	113.186
Ni 231.604	1.2283	ppb	0.6282	51.1	9.3979
Pb 220.353	1.3235	ppb	0.5757	43.5	3.9126
Sb 206.834	-3.8996	ppb	2.3254	59.6	4.1636
Se 196.026	1.2241	ppb	2.4115	197.0	8.2602
Sn 189.925	8.3962	ppb	0.8473	10.1	-3.2870
Sr 216.596	0.6271	ppb	0.2890	46.1	13.8358
Ti 334.941	0.9874	ppb	0.0219	2.2	361.112
Tl 190.794	2.2258	ppb	4.6506	208.9	-8.8653
V 292.401	0.0568	ppb	0.1565	275.5	11.2339
Zn 206.200	13.3657	ppb	0.6993	5.2	44.7640

660-61063-A-2-Bpds (Samp) **6/18/2014, 12:55:12 AM** **Rack 2, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	37.5098	37.8774	37.4786
Al 308.215	2008.46	1999.11	2006.54
As 188.980	204.988	198.446	201.758
B 249.678	484.547	483.745	486.225
Ba 389.178	211.327	210.776	210.723

Label	Replicates Concentration		
Be 313.042	54.1836	54.0196	54.1905
Ca 370.602	3213	3206	3209
Cd 226.502	52.6817	52.7489	52.5701
Co 228.615	211.090	209.897	209.948
Cr 267.716	208.810	208.279	208.955
Cu 324.754	263.232	262.957	259.784
Fe 271.441	2065.69	2070.70	2086.67
K 766.491	2014.87	1998.91	2009.34
Mg 279.078	2071.35	2054.24	2068.42
Mn 257.610	216.956	216.281	216.886
Mo 202.032	211.911	211.593	210.994
Na 330.237	2713.31	2631.58	2871.27
Ni 231.604	207.556	206.003	207.231
Pb 220.353	211.532	209.595	208.999
Sb 206.834	192.272	187.868	189.482
Se 196.026	207.507	206.822	220.445
Sn 189.925	244.119	242.877	245.360
Sr 216.596	206.768	205.513	206.734
Ti 334.941	207.695	206.936	207.594
Tl 190.794	207.774	207.948	207.219
V 292.401	207.190	206.673	206.991
Zn 206.200	269.890	268.099	269.607

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	37.6219	ppb	0.2218	0.6	2205.54
Al 308.215	2004.71	ppb	4.9371	0.2	14157.1
As 188.980	201.731	ppb	3.2712	1.6	125.377
B 249.678	484.839	ppb	1.2656	0.3	8268.84
Ba 389.178	210.942	ppb	0.3345	0.2	5735.49
Be 313.042	54.1312	ppb	0.0967	0.2	165765
Ca 370.602	3209	ppb	3.739	0.1	16002
Cd 226.502	52.6669	ppb	0.0903	0.2	2235.37
Co 228.615	210.312	ppb	0.6749	0.3	2183.28
Cr 267.716	208.681	ppb	0.3560	0.2	7351.38
Cu 324.754	261.991	ppb	1.9163	0.7	14721.9
Fe 271.441	2074.35	ppb	10.9545	0.5	2709.25
K 766.491	2007.71	ppb	8.1022	0.4	276409
Mg 279.078	2064.67	ppb	9.1526	0.4	5832.50
Mn 257.610	216.708	ppb	0.3712	0.2	40111.1
Mo 202.032	211.499	ppb	0.4655	0.2	1620.46
Na 330.237	2738.72	ppb	121.850	4.4	280.383
Ni 231.604	206.930	ppb	0.8191	0.4	802.214
Pb 220.353	210.042	ppb	1.3243	0.6	303.901
Sb 206.834	189.874	ppb	2.2283	1.2	214.480
Se 196.026	211.592	ppb	7.6752	3.6	104.544
Sn 189.925	244.119	ppb	1.2416	0.5	183.782
Sr 216.596	206.339	ppb	0.7149	0.3	2252.84
Ti 334.941	207.409	ppb	0.4121	0.2	93545.3
Tl 190.794	207.647	ppb	0.3808	0.2	142.118
V 292.401	206.952	ppb	0.2606	0.1	8550.30
Zn 206.200	269.199	ppb	0.9627	0.4	872.430

660-61063-A-2-C MS (Samp) **6/18/2014, 12:59:52 AM** **Rack 2, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	96.4608	95.5685	95.1245
Al 308.215	9223.03	9239.76	9233.27
As 188.980	196.322	204.610	191.768
B 249.678	351.476	353.905	353.644
Ba 389.178	192.120	193.405	193.015
Be 313.042	100.775	100.969	101.033
Ca 370.602	10902	10925	10909
Cd 226.502	97.0209	97.3965	97.3205
Co 228.615	98.4459	97.9420	98.6560
Cr 267.716	197.965	198.674	199.660
Cu 324.754	248.601	249.919	250.556
Fe 271.441	9415.06	9436.28	9456.25
K 766.491	9009.35	9037.19	9034.45
Mg 279.078	9254.38	9288.75	9280.31
Mn 257.610	1009.48	1012.42	1013.03
Mo 202.032	196.826	197.487	197.317
Na 330.237	10641.4	10303.3	10332.9
Ni 231.604	194.776	197.416	196.036
Pb 220.353	101.029	100.870	98.7740
Sb 206.834	90.2004	88.8781	89.6983
Se 196.026	201.229	197.177	191.840
Sn 189.925	413.051	420.352	421.771
Sr 216.596	190.610	190.897	192.025
Ti 334.941	193.834	194.474	194.332
Tl 190.794	75.6851	74.5679	73.7731
V 292.401	194.987	195.552	195.517
Zn 206.200	242.094	242.390	243.288

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	95.7179	ppb	0.6806	0.7	5660.29
Al 308.215	9232.02	ppb	8.4386	0.1	63667.4
As 188.980	197.566	ppb	6.5108	3.3	122.614
B 249.678	353.008	ppb	1.3337	0.4	6036.56
Ba 389.178	192.847	ppb	0.6586	0.3	5281.30
Be 313.042	100.926	ppb	0.1346	0.1	312091
Ca 370.602	10912	ppb	11.95	0.1	54264
Cd 226.502	97.2460	ppb	0.1985	0.2	4125.07
Co 228.615	98.3480	ppb	0.3669	0.4	1011.60
Cr 267.716	198.766	ppb	0.8514	0.4	7002.28
Cu 324.754	249.692	ppb	0.9975	0.4	14032.4
Fe 271.441	9435.86	ppb	20.6003	0.2	12079.7
K 766.491	9027.00	ppb	15.3435	0.2	1235176
Mg 279.078	9274.48	ppb	17.9090	0.2	26062.4
Mn 257.610	1011.64	ppb	1.9005	0.2	187187
Mo 202.032	197.210	ppb	0.3432	0.2	1510.59
Na 330.237	10425.9	ppb	187.252	1.8	794.847
Ni 231.604	196.076	ppb	1.3205	0.7	760.743
Pb 220.353	100.224	ppb	1.2584	1.3	145.361
Sb 206.834	89.5922	ppb	0.6675	0.7	104.354
Se 196.026	196.749	ppb	4.7090	2.4	98.1415

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	418.391	ppb	4.6792	1.1	322.087
Sr 216.596	191.177	ppb	0.7478	0.4	2097.63
Ti 334.941	194.213	ppb	0.3360	0.2	87609.5
Tl 190.794	74.6754	ppb	0.9605	1.3	44.0640
V 292.401	195.352	ppb	0.3165	0.2	8076.02
Zn 206.200	242.590	ppb	0.6217	0.3	786.561

Cont Calib Verif (CCV) **6/18/2014, 1:04:31 AM** **Rack 2, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	480.939	480.764	480.699
Al 308.215	4727.26	4730.00	4756.76
As 188.980	467.135	468.499	469.361
B 249.678	475.561	476.690	476.085
Ba 389.178	4859.83	4854.41	4860.97
Be 313.042	483.906	483.845	485.660
Ca 370.602	4919	4906	4917
Cd 226.502	486.324	486.437	486.171
Co 228.615	490.565	490.314	492.490
Cr 267.716	4841.58	4836.43	4839.15
Cu 324.754	4891.61	4921.83	4872.75
Fe 271.441	4821.81	4827.26	4830.27
K 766.491	9696.07	9691.34	9675.17
Mg 279.078	4789.30	4787.41	4773.56
Mn 257.610	4920.84	4926.59	4927.76
Mo 202.032	488.864	486.290	488.331
Na 330.237	7090.19	7261.81	7141.26
Ni 231.604	2441.23	2413.53	2414.96
Pb 220.353	488.416	490.969	483.906
Sb 206.834	957.664	952.400	946.741
Se 196.026	4843.75	4846.75	4819.86
Sn 189.925	4879.17	4844.46	4841.74
Sr 216.596	2372.58	2365.52	2371.76
Ti 334.941	479.315	479.219	479.569
Tl 190.794	4882.04	4879.71	4896.68
V 292.401	4846.76	4850.60	4847.88
Zn 206.200	2431.32	2427.65	2425.83

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	480.801	ppb	0.1240	0.0	28575.9	96.16011
Al 308.215	4738.01	ppb	16.2980	0.3	33184.7	94.76015
As 188.980	468.332	ppb	1.1223	0.2	297.681	93.66640
B 249.678	476.112	ppb	0.5650	0.1	8131.99	95.22240
Ba 389.178	4858.40	ppb	3.5045	0.1	132693	97.16805
Be 313.042	484.470	ppb	1.0305	0.2	1513228	96.89404
Ca 370.602	4914	ppb	7.166	0.1	24528	98.28199
Cd 226.502	486.311	ppb	0.1334	0.0	20371.3	97.26213
Co 228.615	491.123	ppb	1.1905	0.2	5121.72	98.22464
Cr 267.716	4839.05	ppb	2.5767	0.1	170458	96.78108
Cu 324.754	4895.40	ppb	24.7610	0.5	271314	97.90792
Fe 271.441	4826.44	ppb	4.2863	0.1	6265.99	96.52888

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9687.53	ppb	10.9613	0.1	1325398	96.87527
Mg 279.078	4783.42	ppb	8.5931	0.2	13461.0	95.66846
Mn 257.610	4925.06	ppb	3.7024	0.1	910815	98.50124
Mo 202.032	487.828	ppb	1.3587	0.3	3726.72	97.56565
Na 330.237	7164.42	ppb	88.1208	1.2	564.868	95.52563
Ni 231.604	2423.24	ppb	15.5940	0.6	9343.36	96.92961
Pb 220.353	487.764	ppb	3.5767	0.7	706.118	97.55270
Sb 206.834	952.268	ppb	5.4627	0.6	1084.71	95.22684
Se 196.026	4836.79	ppb	14.7376	0.3	2219.91	96.73578
Sn 189.925	4855.12	ppb	20.8711	0.4	3843.06	97.10243
Sr 216.596	2369.95	ppb	3.8651	0.2	25804.6	94.79819
Ti 334.941	479.368	ppb	0.1809	0.0	216315	95.87356
Tl 190.794	4886.14	ppb	9.1994	0.2	3580.13	97.72284
V 292.401	4848.41	ppb	1.9719	0.0	201408	96.96824
Zn 206.200	2428.26	ppb	2.7960	0.1	7846.02	97.13058

Cont Calib Blank (CCB) **6/18/2014, 1:09:10 AM** **Rack 2, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.0311	0.3504	0.4443
Al 308.215	-5.0976u	-7.6978u	-6.4483u
As 188.980	-0.0064u	0.2113	2.0226
B 249.678	2.9299	2.5778	2.7153
Ba 389.178	0.2975	-0.0557u	0.5926
Be 313.042	0.1991	0.2043	0.1995
Ca 370.602	3.607	3.001	2.331
Cd 226.502	0.1254	0.1522	0.1114
Co 228.615	-0.0350u	0.3019	0.3131
Cr 267.716	0.4903	0.4507	0.2224
Cu 324.754	0.6312	0.3904	0.5541
Fe 271.441	3.2767	-1.7901u	0.9725
K 766.491	1.1146	0.6569	1.0820
Mg 279.078	-1.6012u	3.6586	3.1630
Mn 257.610	0.5001	0.4312	0.3575
Mo 202.032	0.0311	0.8128	-0.5760u
Na 330.237	-134.022u	20.1807	-86.1479u
Ni 231.604	2.2136	1.2733	2.1336
Pb 220.353	0.5726	0.7185	1.7440
Sb 206.834	0.6041	-1.1895u	-3.2749u
Se 196.026	-3.7048u	0.7127	12.0032
Sn 189.925	-4.5415u	0.6669	0.6525
Sr 216.596	0.4408	0.3898	0.0565
Ti 334.941	0.1137	0.1539	0.1175
Tl 190.794	-2.3584u	0.1453	3.5956
V 292.401	0.5049	0.2069	0.4311
Zn 206.200	0.8783	-0.5602u	0.3387

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2753	ppb	0.2166	78.7	-14.9297	0.27528
Al 308.215	-6.4145	ppb	1.3004	20.3	351.305	-6.41455
As 188.980	0.7425	ppb	1.1140	150.0	-4.5220	0.74250

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	2.7410	ppb	0.1775	6.5	131.647	2.74100
Ba 389.178	0.2781	ppb	0.3245	116.7	-30.7924	0.27813
Be 313.042	0.2010	ppb	0.0029	1.4	-2917.55	0.20095
Ca 370.602	2.980	ppb	0.6384	21.4	-2.909	2.97959
Cd 226.502	0.1297	ppb	0.0208	16.0	31.8635	0.12966
Co 228.615	0.1933	ppb	0.1978	102.3	-15.3543	0.19334
Cr 267.716	0.3878	ppb	0.1446	37.3	14.0694	0.38780
Cu 324.754	0.5252	ppb	0.1229	23.4	244.629	0.52524
Fe 271.441	0.8197	ppb	2.5369	309.5	46.4122	0.81967
K 766.491	0.9512	ppb	0.2554	26.8	2306.30	0.95115
Mg 279.078	1.7401	ppb	2.9043	166.9	44.1276	1.74015
Mn 257.610	0.4296	ppb	0.0713	16.6	95.1333	0.42962
Mo 202.032	0.0893	ppb	0.6962	779.7	7.0241	0.08929
Na 330.237	-66.6631	ppb	78.9263	118.4	97.0334	-66.66306
Ni 231.604	1.8735	ppb	0.5214	27.8	11.8837	1.87351
Pb 220.353	1.0117	ppb	0.6384	63.1	3.4658	1.01166
Sb 206.834	-1.2868	ppb	1.9413	150.9	7.0499	-1.28678
Se 196.026	3.0037	ppb	8.1007	269.7	9.0716	3.00369
Sn 189.925	-1.0740	ppb	3.0029	279.6	-10.8026	-1.07401
Sr 216.596	0.2957	ppb	0.2087	70.6	10.0892	0.29571
Ti 334.941	0.1284	ppb	0.0222	17.3	-26.6849	0.12835
Tl 190.794	0.4608	ppb	2.9895	648.7	-10.1588	0.46084
V 292.401	0.3810	ppb	0.1552	40.7	24.8305	0.38095
Zn 206.200	0.2189	ppb	0.7267	331.9	2.1939	0.21893

660-61063-A-2-D MSD (Samp) **6/18/2014, 1:13:48 AM** **Rack 2, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	93.3997	94.1272	94.4439
Al 308.215	9206.21	9189.97	9199.08
As 188.980	193.100	190.252	189.610
B 249.678	347.268	347.583	347.923
Ba 389.178	192.341	190.874	190.903
Be 313.042	100.192	100.043	100.094
Ca 370.602	10907	10904	10903
Cd 226.502	96.5358	96.2395	96.1088
Co 228.615	97.6545	95.7709	97.6444
Cr 267.716	198.892	197.952	197.117
Cu 324.754	247.393	250.218	250.700
Fe 271.441	9337.94	9323.94	9327.30
K 766.491	9022.55	8975.22	8979.07
Mg 279.078	9294.69	9253.14	9261.41
Mn 257.610	1003.82	1002.51	1003.06
Mo 202.032	196.186	194.771	193.877
Na 330.237	9810.18	10026.0	9730.78
Ni 231.604	192.327	191.449	195.307
Pb 220.353	99.4899	100.148	98.9728
Sb 206.834	88.6498	89.8480	89.0791
Se 196.026	183.689	191.950	197.065
Sn 189.925	420.296	413.601	403.940
Sr 216.596	189.531	190.052	188.273

Label	Replicates Concentration		
Ti 334.941	192.281	192.003	192.156
Tl 190.794	81.4588	74.8704	76.5925
V 292.401	192.775	192.568	192.933
Zn 206.200	239.661	235.736	238.266

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	93.9903	ppb	0.5354	0.6	5557.60
Al 308.215	9198.42	ppb	8.1396	0.1	63436.9
As 188.980	190.987	ppb	1.8575	1.0	118.364
B 249.678	347.592	ppb	0.3276	0.1	5945.19
Ba 389.178	191.372	ppb	0.8390	0.4	5240.76
Be 313.042	100.110	ppb	0.0758	0.1	309539
Ca 370.602	10905	ppb	1.878	0.0	54227
Cd 226.502	96.2947	ppb	0.2188	0.2	4084.93
Co 228.615	97.0232	ppb	1.0846	1.1	997.739
Cr 267.716	197.987	ppb	0.8880	0.4	6974.83
Cu 324.754	249.437	ppb	1.7862	0.7	14018.3
Fe 271.441	9329.73	ppb	7.3123	0.1	11944.4
K 766.491	8992.28	ppb	26.2864	0.3	1230435
Mg 279.078	9269.75	ppb	21.9901	0.2	26049.3
Mn 257.610	1003.13	ppb	0.6578	0.1	185613
Mo 202.032	194.945	ppb	1.1639	0.6	1493.31
Na 330.237	9855.65	ppb	152.776	1.6	756.544
Ni 231.604	193.028	ppb	2.0221	1.0	748.992
Pb 220.353	99.5369	ppb	0.5890	0.6	144.379
Sb 206.834	89.1923	ppb	0.6071	0.7	103.956
Se 196.026	190.901	ppb	6.7494	3.5	95.4639
Sn 189.925	412.612	ppb	8.2226	2.0	317.500
Sr 216.596	189.286	ppb	0.9145	0.5	2077.02
Ti 334.941	192.147	ppb	0.1392	0.1	86676.7
Tl 190.794	77.6406	ppb	3.4170	4.4	46.2413
V 292.401	192.759	ppb	0.1830	0.1	7968.67
Zn 206.200	237.887	ppb	1.9896	0.8	771.333

cri (Samp) **6/18/2014, 1:18:27 AM** **Rack 2, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	9.9183	10.0774	9.5661
Al 308.215	209.358	210.944	210.960
As 188.980	20.4587	23.2068	19.4467
B 249.678	98.6668	99.0468	98.1342
Ba 389.178	11.2801	10.8506	10.5377
Be 313.042	4.1647	4.1810	4.1590
Ca 370.602	513.0	516.5	516.5
Cd 226.502	5.1347	5.1995	5.2415
Co 228.615	10.4970	10.1361	10.1369
Cr 267.716	9.8241	9.6935	9.8794
Cu 324.754	20.6547	21.2142	21.2712
Fe 271.441	47.7509	52.5568	51.5875
K 766.491	999.960	1008.40	1002.94
Mg 279.078	509.491	512.823	509.918

Label	Replicates Concentration		
Mn 257.610	10.7042	10.7001	10.6664
Mo 202.032	9.5991	10.2770	10.0825
Na 330.237	1055.91	1143.09	685.030
Ni 231.604	40.7673	42.3644	43.5741
Pb 220.353	9.7499	8.2006	11.3317
Sb 206.834	26.5826	14.6073	18.3030
Se 196.026	18.9089	22.4400	19.6875
Sn 189.925	57.3694	51.0391	53.3559
Sr 216.596	9.5782	9.5320	9.6385
Ti 334.941	9.7194	9.8643	9.8247
Tl 190.794	26.3990	26.8861	22.9484
V 292.401	9.8124	10.2708	10.0153
Zn 206.200	20.3818	20.6112	19.1753

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.8539	ppb	0.2617	2.7	554.359
Al 308.215	210.421	ppb	0.9203	0.4	1838.09
As 188.980	21.0374	ppb	1.9457	9.2	8.5927
B 249.678	98.6159	ppb	0.4584	0.5	1749.90
Ba 389.178	10.8895	ppb	0.3727	3.4	260.841
Be 313.042	4.1682	ppb	0.0114	0.3	9490.05
Ca 370.602	515.3	ppb	2.022	0.4	2553
Cd 226.502	5.1919	ppb	0.0538	1.0	243.641
Co 228.615	10.2567	ppb	0.2081	2.0	89.9448
Cr 267.716	9.7990	ppb	0.0954	1.0	345.594
Cu 324.754	21.0467	ppb	0.3407	1.6	1380.72
Fe 271.441	50.6317	ppb	2.5415	5.0	110.888
K 766.491	1003.77	ppb	4.2811	0.4	139281
Mg 279.078	510.744	ppb	1.8131	0.4	1473.54
Mn 257.610	10.6902	ppb	0.0207	0.2	1996.53
Mo 202.032	9.9862	ppb	0.3491	3.5	82.5605
Na 330.237	961.343	ppb	243.232	25.3	166.014
Ni 231.604	42.2353	ppb	1.4079	3.3	167.429
Pb 220.353	9.7607	ppb	1.5656	16.0	16.0317
Sb 206.834	19.8310	ppb	6.1322	30.9	30.1502
Se 196.026	20.3455	ppb	1.8552	9.1	17.0061
Sn 189.925	53.9215	ppb	3.2028	5.9	32.8419
Sr 216.596	9.5829	ppb	0.0534	0.6	109.731
Ti 334.941	9.8028	ppb	0.0749	0.8	4341.65
Tl 190.794	25.4112	ppb	2.1467	8.4	8.1611
V 292.401	10.0328	ppb	0.2297	2.3	423.166
Zn 206.200	20.0561	ppb	0.7714	3.8	66.3922

MB 680-334490/1-B (Samp) **6/18/2014, 1:23:06 AM** **Rack 2, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	0.0366	0.2608	0.1319
Al 308.215	-4.2823u	-2.8312u	-3.2535u
As 188.980	-1.2245u	7.9883	6.4761
B 249.678	1.0144	1.1061	0.9290
Ba 389.178	0.8852	0.8598	0.3681

Label	Replicates Concentration		
Be 313.042	0.1504	0.1666	0.1556
Ca 370.602	-1.379u	1.502	-1.159u
Cd 226.502	0.3616	0.1721	0.1834
Co 228.615	0.0706	-0.0147u	-0.8220u
Cr 267.716	-0.2176u	0.0716	-0.0201u
Cu 324.754	0.3936	0.6422	0.3192
Fe 271.441	-1.0538u	2.9963	5.6599
K 766.491	0.2086	0.3364	0.3802
Mg 279.078	1.8114	1.1465	0.5838
Mn 257.610	0.0190	0.0523	0.0106
Mo 202.032	0.2669	0.4165	0.5986
Na 330.237	76.4803	-35.4496u	-0.0652u
Ni 231.604	0.5997	1.4189	1.8448
Pb 220.353	0.0066	-1.1611u	-2.5251u
Sb 206.834	-1.1263u	-4.7486u	-1.0984u
Se 196.026	-4.7994u	-8.1969u	0.3432
Sn 189.925	1.1931	2.4294	0.0346
Sr 216.596	-0.2949u	0.2674	-0.4918u
Ti 334.941	-0.0057u	0.0343	0.0405
Tl 190.794	-2.6202u	-1.8995u	-2.9597u
V 292.401	0.2200	-0.0261u	0.1011
Zn 206.200	1.2828	1.2770	1.3701

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1431	ppb	0.1125	78.6	-22.7864
Al 308.215	-3.4556	ppb	0.7464	21.6	371.580
As 188.980	4.4133	ppb	4.9407	112.0	-2.1502
B 249.678	1.0165	ppb	0.0886	8.7	102.535
Ba 389.178	0.7044	ppb	0.2915	41.4	-19.1546
Be 313.042	0.1575	ppb	0.0083	5.3	-3053.51
Ca 370.602	-0.3454	ppb	1.604	464.3	-19.49
Cd 226.502	0.2391	ppb	0.1063	44.5	36.4320
Co 228.615	-0.2554	ppb	0.4926	192.9	-20.0628
Cr 267.716	-0.0554	ppb	0.1478	266.8	-1.5431
Cu 324.754	0.4517	ppb	0.1692	37.4	240.573
Fe 271.441	2.5341	ppb	3.3806	133.4	48.5581
K 766.491	0.3084	ppb	0.0892	28.9	2218.51
Mg 279.078	1.1806	ppb	0.6145	52.0	42.5593
Mn 257.610	0.0273	ppb	0.0220	80.8	20.7249
Mo 202.032	0.4273	ppb	0.1661	38.9	9.6047
Na 330.237	13.6552	ppb	57.2125	419.0	102.443
Ni 231.604	1.2878	ppb	0.6328	49.1	9.6265
Pb 220.353	-1.2265	ppb	1.2671	103.3	0.2438
Sb 206.834	-2.3244	ppb	2.0994	90.3	5.8972
Se 196.026	-4.2177	ppb	4.2997	101.9	5.7702
Sn 189.925	1.2190	ppb	1.1976	98.2	-8.9828
Sr 216.596	-0.1731	ppb	0.3940	227.6	4.9806
Ti 334.941	0.0230	ppb	0.0251	108.9	-74.2241
Tl 190.794	-2.4931	ppb	0.5414	21.7	-12.3272
V 292.401	0.0983	ppb	0.1231	125.2	12.9918
Zn 206.200	1.3099	ppb	0.0521	4.0	5.7282

LLCS 680-334490/2-B (Samp) **6/18/2014, 1:27:44 AM** **Rack 2, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	9.9161	10.1461	10.1977
Al 308.215	208.270	210.687	206.841
As 188.980	24.3740	16.9376	26.0022
B 249.678	96.6430	97.2951	97.2386
Ba 389.178	10.8553	10.3712	10.6347
Be 313.042	4.1089	4.1163	4.1265
Ca 370.602	523.0	528.4	522.8
Cd 226.502	5.1372	5.0403	5.1050
Co 228.615	10.6120	10.6272	11.1171
Cr 267.716	9.9431	10.1327	10.1816
Cu 324.754	20.8794	21.1355	21.0587
Fe 271.441	44.8723	48.3256	46.6489
K 766.491	1035.41	1043.92	1042.06
Mg 279.078	510.700	518.173	514.481
Mn 257.610	10.5562	10.6989	10.6471
Mo 202.032	9.4736	9.6292	10.0240
Na 330.237	1033.24	976.315	884.896
Ni 231.604	41.6028	43.2100	42.0849
Pb 220.353	9.4700	7.2228	9.2920
Sb 206.834	19.1119	20.2572	18.0991
Se 196.026	17.3355	31.5531	12.2194
Sn 189.925	54.3173	49.4230	54.8929
Sr 216.596	9.2324	9.4027	9.3300
Ti 334.941	9.9016	9.9376	9.9383
Tl 190.794	26.7735	24.3232	30.3696
V 292.401	10.0853	10.1047	10.0275
Zn 206.200	22.0063	21.0821	22.3027

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.0866	ppb	0.1499	1.5	568.188
Al 308.215	208.600	ppb	1.9442	0.9	1825.60
As 188.980	22.4379	ppb	4.8325	21.5	9.4974
B 249.678	97.0589	ppb	0.3613	0.4	1723.61
Ba 389.178	10.6204	ppb	0.2424	2.3	253.496
Be 313.042	4.1172	ppb	0.0088	0.2	9330.57
Ca 370.602	524.7	ppb	3.208	0.6	2600
Cd 226.502	5.0942	ppb	0.0494	1.0	239.543
Co 228.615	10.7854	ppb	0.2874	2.7	95.4901
Cr 267.716	10.0858	ppb	0.1260	1.2	355.699
Cu 324.754	21.0246	ppb	0.1314	0.6	1379.47
Fe 271.441	46.6156	ppb	1.7269	3.7	105.805
K 766.491	1040.46	ppb	4.4758	0.4	144293
Mg 279.078	514.451	ppb	3.7363	0.7	1483.96
Mn 257.610	10.6341	ppb	0.0722	0.7	1986.16
Mo 202.032	9.7089	ppb	0.2838	2.9	80.4447
Na 330.237	964.816	ppb	74.8353	7.8	166.242
Ni 231.604	42.2992	ppb	0.8248	1.9	167.675
Pb 220.353	8.6616	ppb	1.2492	14.4	14.4502
Sb 206.834	19.1561	ppb	1.0797	5.6	29.4155
Se 196.026	20.3693	ppb	10.0176	49.2	17.0170

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	52.8777	ppb	3.0057	5.7	32.0137
Sr 216.596	9.3217	ppb	0.0854	0.9	106.879
Ti 334.941	9.9258	ppb	0.0210	0.2	4397.20
Tl 190.794	27.1555	ppb	3.0412	11.2	9.4418
V 292.401	10.0725	ppb	0.0401	0.4	424.877
Zn 206.200	21.7970	ppb	0.6367	2.9	72.0282

LCS 680-334490/4-B (Samp) **6/18/2014, 1:32:23 AM** **Rack 2, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	20.5865	20.2450	20.8711
Al 308.215	1913.29	1912.10	1915.95
As 188.980	40.5257	43.3179	39.4207
B 249.678	76.9376	77.8061	76.9649
Ba 389.178	40.3909	39.9462	39.5496
Be 313.042	20.1777	20.1253	20.1533
Ca 370.602	1982	1968	1981
Cd 226.502	20.5181	20.3608	20.3145
Co 228.615	19.6538	20.3980	20.1897
Cr 267.716	40.3997	40.2958	40.1552
Cu 324.754	41.8780	40.7819	42.1870
Fe 271.441	1979.85	1969.89	1968.36
K 766.491	2055.44	2045.19	2054.67
Mg 279.078	1969.14	1955.50	1960.22
Mn 257.610	208.511	207.782	208.413
Mo 202.032	39.5434	40.4970	39.9382
Na 330.237	1944.25	2025.23	1904.81
Ni 231.604	42.1110	41.4160	41.0914
Pb 220.353	20.3161	17.6487	20.2287
Sb 206.834	17.1119	12.0348	21.4367
Se 196.026	41.6330	38.2197	33.2871
Sn 189.925	85.3984	82.8844	84.1450
Sr 216.596	38.3611	38.3653	38.5308
Ti 334.941	39.5777	39.3938	39.5430
Tl 190.794	14.1344	14.5611	14.6321
V 292.401	40.4814	40.1322	40.5871
Zn 206.200	41.6890	40.3808	41.5555

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.5675	ppb	0.3135	1.5	1191.66
Al 308.215	1913.78	ppb	1.9705	0.1	13511.4
As 188.980	41.0881	ppb	2.0086	4.9	21.5383
B 249.678	77.2362	ppb	0.4938	0.6	1387.50
Ba 389.178	39.9622	ppb	0.4209	1.1	1064.14
Be 313.042	20.1521	ppb	0.0262	0.1	59478.3
Ca 370.602	1977	ppb	7.943	0.4	9813
Cd 226.502	20.3978	ppb	0.1067	0.5	886.135
Co 228.615	20.0805	ppb	0.3839	1.9	192.721
Cr 267.716	40.2836	ppb	0.1227	0.3	1419.45
Cu 324.754	41.6157	ppb	0.7384	1.8	2518.07
Fe 271.441	1972.70	ppb	6.2378	0.3	2561.28

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	2051.76	ppb	5.7077	0.3	282428
Mg 279.078	1961.62	ppb	6.9293	0.4	5543.37
Mn 257.610	208.235	ppb	0.3955	0.2	38543.2
Mo 202.032	39.9928	ppb	0.4792	1.2	311.386
Na 330.237	1958.10	ppb	61.3952	3.1	231.602
Ni 231.604	41.5395	ppb	0.5209	1.3	164.841
Pb 220.353	19.3978	ppb	1.5154	7.8	29.7423
Sb 206.834	16.8611	ppb	4.7060	27.9	26.4700
Se 196.026	37.7133	ppb	4.1960	11.1	25.0409
Sn 189.925	84.1426	ppb	1.2570	1.5	56.8256
Sr 216.596	38.4191	ppb	0.0968	0.3	426.995
Ti 334.941	39.5048	ppb	0.0977	0.2	17753.4
Tl 190.794	14.4425	ppb	0.2692	1.9	0.0503
V 292.401	40.4002	ppb	0.2381	0.6	1677.61
Zn 206.200	41.2084	ppb	0.7199	1.7	134.833

680-102332-A-4-D (Samp) **6/18/2014, 1:37:02 AM** **Rack 2, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	0.1018	0.3268	0.2234
Al 308.215	-3.9025u	-2.2887u	-5.5658u
As 188.980	0.1222	1.6587	3.5671
B 249.678	-0.9401u	-0.8027u	-0.8958u
Ba 389.178	0.3744	0.7356	0.6347
Be 313.042	0.1419	0.1491	0.1591
Ca 370.602	33.61	34.58	31.85
Cd 226.502	0.0229	0.0918	0.1702
Co 228.615	0.3407	-0.2743u	0.3827
Cr 267.716	0.3140	-0.0341u	-0.2298u
Cu 324.754	0.5450	0.5077	0.2853
Fe 271.441	-2.9347u	1.0390	6.9988
K 766.491	13.1179	12.9948	13.5080
Mg 279.078	9.3776	3.7741	6.8269
Mn 257.610	0.2689	0.2926	0.2633
Mo 202.032	-0.0038u	0.2632	-0.0506u
Na 330.237	131.644	108.916	-94.6485u
Ni 231.604	1.6641	1.1969	3.1483
Pb 220.353	-0.6309u	-0.5824u	0.4412
Sb 206.834	0.8533	-5.3069u	-1.0474u
Se 196.026	-1.1122u	-8.5209u	-5.6622u
Sn 189.925	6.3596	1.0545	2.6085
Sr 216.596	0.3232	-0.4628u	-0.6635u
Ti 334.941	0.0349	0.0525	0.0416
Tl 190.794	-3.9080u	-2.6552u	-3.7417u
V 292.401	-0.2139u	-0.1564u	-0.2144u
Zn 206.200	0.7942	0.2086	1.3488

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2173	ppb	0.1126	51.8	-18.3760
Al 308.215	-3.9190	ppb	1.6386	41.8	368.364
As 188.980	1.7827	ppb	1.7258	96.8	-3.8499

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	-0.8795	ppb	0.0702	8.0	70.5298
Ba 389.178	0.5816	ppb	0.1864	32.0	-22.4920
Be 313.042	0.1500	ppb	0.0086	5.8	-3077.09
Ca 370.602	33.35	ppb	1.385	4.2	148.5
Cd 226.502	0.0950	ppb	0.0737	77.6	30.4120
Co 228.615	0.1497	ppb	0.3678	245.7	-15.8133
Cr 267.716	0.0167	ppb	0.2754	1648.7	1.0005
Cu 324.754	0.4460	ppb	0.1404	31.5	240.219
Fe 271.441	1.7010	ppb	4.9997	293.9	47.5127
K 766.491	13.2069	ppb	0.2679	2.0	3980.32
Mg 279.078	6.6595	ppb	2.8055	42.1	57.9460
Mn 257.610	0.2749	ppb	0.0156	5.7	66.5631
Mo 202.032	0.0696	ppb	0.1693	243.1	6.8744
Na 330.237	48.6371	ppb	124.608	256.2	104.799
Ni 231.604	2.0031	ppb	1.0189	50.9	12.3831
Pb 220.353	-0.2574	ppb	0.6055	235.3	1.6391
Sb 206.834	-1.8337	ppb	3.1545	172.0	6.4453
Se 196.026	-5.0984	ppb	3.7364	73.3	5.3678
Sn 189.925	3.3409	ppb	2.7273	81.6	-7.2989
Sr 216.596	-0.2677	ppb	0.5215	194.8	3.9307
Ti 334.941	0.0430	ppb	0.0089	20.7	-65.2055
Tl 190.794	-3.4350	ppb	0.6804	19.8	-13.0180
V 292.401	-0.1949	ppb	0.0334	17.1	0.8612
Zn 206.200	0.7838	ppb	0.5702	72.7	4.0242

680-102332-A-4-E MS (Samp) **6/18/2014, 1:41:40 AM** **Rack 2, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	20.7413	20.7081	20.6702
Al 308.215	1939.00	1946.38	1936.97
As 188.980	40.9587	45.2271	41.8756
B 249.678	76.5053	76.0709	76.4359
Ba 389.178	39.3447	41.1620	40.8126
Be 313.042	20.4040	20.3592	20.3221
Ca 370.602	2028	2028	2020
Cd 226.502	20.7627	20.6646	20.6046
Co 228.615	20.9903	20.3625	20.7275
Cr 267.716	40.9927	40.8837	40.5090
Cu 324.754	42.6669	42.1686	42.1536
Fe 271.441	1982.30	1987.93	1982.80
K 766.491	2099.28	2100.83	2089.63
Mg 279.078	1993.08	1994.73	1988.11
Mn 257.610	211.390	210.944	210.644
Mo 202.032	39.3716	40.7989	41.3046
Na 330.237	1907.90	2219.25	2021.85
Ni 231.604	42.2486	41.7674	41.1470
Pb 220.353	22.3608	17.8465	20.9842
Sb 206.834	18.7229	20.0913	14.9750
Se 196.026	32.9324	34.7458	35.9949
Sn 189.925	81.3207	81.3657	83.5720
Sr 216.596	39.5638	39.2956	38.8464

Label	Replicates Concentration		
Ti 334.941	40.0088	40.0865	39.8958
Tl 190.794	14.6646	10.3382	14.6346
V 292.401	41.0135	41.1861	40.7973
Zn 206.200	41.8131	41.4139	41.4013

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.7065	ppb	0.0356	0.2	1199.94
Al 308.215	1940.78	ppb	4.9555	0.3	13696.4
As 188.980	42.6871	ppb	2.2469	5.3	22.5714
B 249.678	76.3374	ppb	0.2334	0.3	1372.35
Ba 389.178	40.4398	ppb	0.9643	2.4	1077.32
Be 313.042	20.3618	ppb	0.0410	0.2	60134.2
Ca 370.602	2025	ppb	4.724	0.2	10053
Cd 226.502	20.6773	ppb	0.0798	0.4	897.871
Co 228.615	20.6934	ppb	0.3153	1.5	199.138
Cr 267.716	40.7951	ppb	0.2537	0.6	1437.47
Cu 324.754	42.3297	ppb	0.2921	0.7	2557.56
Fe 271.441	1984.34	ppb	3.1166	0.2	2576.17
K 766.491	2096.58	ppb	6.0704	0.3	288549
Mg 279.078	1991.97	ppb	3.4473	0.2	5628.58
Mn 257.610	210.993	ppb	0.3754	0.2	39053.5
Mo 202.032	40.4917	ppb	1.0025	2.5	315.192
Na 330.237	2049.67	ppb	157.528	7.7	237.751
Ni 231.604	41.7210	ppb	0.5523	1.3	165.541
Pb 220.353	20.3972	ppb	2.3137	11.3	31.1782
Sb 206.834	17.9297	ppb	2.6488	14.8	27.6399
Se 196.026	34.5577	ppb	1.5399	4.5	23.5996
Sn 189.925	82.0862	ppb	1.2870	1.6	55.1936
Sr 216.596	39.2353	ppb	0.3625	0.9	435.926
Ti 334.941	39.9970	ppb	0.0959	0.2	17975.7
Tl 190.794	13.2125	ppb	2.4892	18.8	-0.8517
V 292.401	40.9990	ppb	0.1948	0.5	1702.37
Zn 206.200	41.5428	ppb	0.2342	0.6	135.915

680-102332-A-4-F MSD (Samp) **6/18/2014, 1:46:19 AM** **Rack 2, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	20.3241	20.7277	20.7692
Al 308.215	1910.93	1907.14	1905.63
As 188.980	39.8651	45.6354	43.1884
B 249.678	75.2908	75.9775	75.6461
Ba 389.178	39.1890	38.8365	38.9613
Be 313.042	20.0925	20.0759	20.0912
Ca 370.602	2011	2011	2005
Cd 226.502	20.4594	20.4003	20.5297
Co 228.615	20.0350	20.7811	20.6970
Cr 267.716	40.2666	40.5181	40.7670
Cu 324.754	42.0796	42.4528	41.8076
Fe 271.441	1975.07	1976.13	1970.83
K 766.491	2061.98	2057.76	2054.43
Mg 279.078	1956.87	1960.40	1955.60

Label	Replicates Concentration		
Mn 257.610	208.742	208.547	208.400
Mo 202.032	39.9277	40.0608	40.3028
Na 330.237	2060.59	1828.48	1806.98
Ni 231.604	42.1110	41.4628	42.0737
Pb 220.353	18.6333	16.9249	19.0759
Sb 206.834	16.2831	17.0294	11.7321
Se 196.026	40.2365	38.1011	42.6152
Sn 189.925	87.0821	85.0252	84.0105
Sr 216.596	38.8095	38.3266	38.8668
Ti 334.941	39.6760	39.5090	39.5418
Tl 190.794	13.9130	19.6952	18.2246
V 292.401	40.6559	40.2936	40.6389
Zn 206.200	40.6816	41.6789	41.4572

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.6070	ppb	0.2459	1.2	1194.01
Al 308.215	1907.90	ppb	2.7307	0.1	13471.1
As 188.980	42.8963	ppb	2.8962	6.8	22.7065
B 249.678	75.6382	ppb	0.3434	0.5	1360.54
Ba 389.178	38.9956	ppb	0.1788	0.5	1037.72
Be 313.042	20.0866	ppb	0.0092	0.0	59273.5
Ca 370.602	2009	ppb	3.314	0.2	9974
Cd 226.502	20.4632	ppb	0.0648	0.3	888.862
Co 228.615	20.5044	ppb	0.4086	2.0	197.158
Cr 267.716	40.5172	ppb	0.2502	0.6	1427.69
Cu 324.754	42.1133	ppb	0.3239	0.8	2545.60
Fe 271.441	1974.01	ppb	2.8042	0.1	2562.95
K 766.491	2058.06	ppb	3.7825	0.2	283287
Mg 279.078	1957.62	ppb	2.4867	0.1	5532.15
Mn 257.610	208.563	ppb	0.1716	0.1	38603.9
Mo 202.032	40.0971	ppb	0.1902	0.5	312.182
Na 330.237	1898.68	ppb	140.626	7.4	227.600
Ni 231.604	41.8825	ppb	0.3640	0.9	166.163
Pb 220.353	18.2114	ppb	1.1359	6.2	28.0351
Sb 206.834	15.0149	ppb	2.8673	19.1	24.4382
Se 196.026	40.3176	ppb	2.2581	5.6	26.2317
Sn 189.925	85.3726	ppb	1.5650	1.8	57.8017
Sr 216.596	38.6676	ppb	0.2967	0.8	429.693
Ti 334.941	39.5756	ppb	0.0885	0.2	17785.4
Tl 190.794	17.2776	ppb	3.0052	17.4	2.1307
V 292.401	40.5295	ppb	0.2044	0.5	1682.95
Zn 206.200	41.2726	ppb	0.5237	1.3	135.040

MB 680-334399/1-A (Samp) **6/18/2014, 1:50:58 AM** **Rack 2, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	0.0873	0.5566	0.3824
Al 308.215	-1.9533u	-1.4340u	-2.0119u
As 188.980	-2.3030u	-1.5328u	1.0026
B 249.678	-0.1389u	0.0788	0.0027
Ba 389.178	0.6999	0.2366	-0.2501u

Label	Replicates Concentration		
Be 313.042	0.1344	0.1454	0.1220
Ca 370.602	6.708	2.189	1.809
Cd 226.502	0.1391	0.1923	0.1361
Co 228.615	-0.0145u	0.7428	0.1745
Cr 267.716	-0.1590u	0.1588	-0.1454u
Cu 324.754	0.6528	0.3975	0.7957
Fe 271.441	3.9935	-2.5644u	3.8330
K 766.491	0.2712	0.3200	0.4386
Mg 279.078	2.5680	0.3685	3.2525
Mn 257.610	0.0751	0.0218	0.0571
Mo 202.032	0.2760	-0.0239u	0.4268
Na 330.237	29.1536	38.1088	35.9916
Ni 231.604	0.6032	2.0655	1.1445
Pb 220.353	-0.2964u	-2.8769u	-4.0365u
Sb 206.834	2.9304	0.1485	-6.7633u
Se 196.026	4.0094	-4.1881u	-2.1314u
Sn 189.925	0.4639	3.1062	1.6178
Sr 216.596	-0.1548u	-0.1408u	-0.2771u
Ti 334.941	0.0874	0.0542	0.0378
Tl 190.794	-0.4581u	-4.1623u	-4.2520u
V 292.401	-0.2152u	-0.0606u	-0.0693u
Zn 206.200	0.6380	0.4912	0.5360

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3421	ppb	0.2373	69.4	-10.9622
Al 308.215	-1.7997	ppb	0.3181	17.7	382.901
As 188.980	-0.9444	ppb	1.7296	183.1	-5.6118
B 249.678	-0.0191	ppb	0.1105	577.6	85.0710
Ba 389.178	0.2288	ppb	0.4751	207.7	-32.1403
Be 313.042	0.1339	ppb	0.0117	8.8	-3127.36
Ca 370.602	3.569	ppb	2.725	76.4	0.0152
Cd 226.502	0.1559	ppb	0.0316	20.3	32.9574
Co 228.615	0.3009	ppb	0.3941	131.0	-14.2334
Cr 267.716	-0.0485	ppb	0.1797	370.3	-1.2989
Cu 324.754	0.6153	ppb	0.2017	32.8	249.632
Fe 271.441	1.7540	ppb	3.7407	213.3	47.5965
K 766.491	0.3433	ppb	0.0861	25.1	2223.27
Mg 279.078	2.0630	ppb	1.5069	73.0	45.0350
Mn 257.610	0.0513	ppb	0.0271	52.9	25.1798
Mo 202.032	0.2263	ppb	0.2294	101.4	8.0702
Na 330.237	34.4181	ppb	4.6804	13.6	103.842
Ni 231.604	1.2711	ppb	0.7393	58.2	9.5621
Pb 220.353	-2.4033	ppb	1.9145	79.7	-1.4500
Sb 206.834	-1.2281	ppb	4.9913	406.4	7.1078
Se 196.026	-0.7700	ppb	4.2650	553.9	7.3464
Sn 189.925	1.7293	ppb	1.3247	76.6	-8.5779
Sr 216.596	-0.1909	ppb	0.0750	39.3	4.7933
Ti 334.941	0.0598	ppb	0.0253	42.2	-57.6267
Tl 190.794	-2.9575	ppb	2.1650	73.2	-12.6676
V 292.401	-0.1150	ppb	0.0869	75.5	4.1510
Zn 206.200	0.5551	ppb	0.0752	13.6	3.2837

LLCS 680-334399/2-A (Samp) **6/18/2014, 1:55:38 AM** **Rack 2, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	10.0433	10.0139	10.2352
Al 308.215	208.832	211.635	209.357
As 188.980	22.8655	23.6880	18.6808
B 249.678	98.0443	98.6509	97.9844
Ba 389.178	10.6537	10.2284	11.1071
Be 313.042	4.1664	4.1812	4.1519
Ca 370.602	528.8	529.9	524.2
Cd 226.502	5.0540	5.3339	5.2505
Co 228.615	10.0392	10.9566	10.2447
Cr 267.716	9.9998	10.1650	10.0127
Cu 324.754	21.3848	21.8754	20.9024
Fe 271.441	49.2981	49.3888	52.7141
K 766.491	1058.35	1063.68	1049.57
Mg 279.078	523.612	522.867	514.436
Mn 257.610	10.6779	10.7870	10.6330
Mo 202.032	10.5840	9.7841	10.4701
Na 330.237	1069.73	1123.47	882.300
Ni 231.604	42.8651	44.6546	43.7888
Pb 220.353	10.4549	12.8362	10.8831
Sb 206.834	18.9202	20.4708	21.6129
Se 196.026	18.2418	19.2141	30.2683
Sn 189.925	56.2260	56.9276	53.2095
Sr 216.596	9.9887	9.3033	9.6168
Ti 334.941	9.9964	10.0682	9.9547
Tl 190.794	29.2709	23.1506	26.6815
V 292.401	10.0844	9.9906	9.9262
Zn 206.200	20.6118	21.3017	20.7304

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.0974	ppb	0.1202	1.2	568.829
Al 308.215	209.941	ppb	1.4900	0.7	1834.84
As 188.980	21.7447	ppb	2.6852	12.3	9.0498
B 249.678	98.2266	ppb	0.3687	0.4	1743.33
Ba 389.178	10.6631	ppb	0.4394	4.1	254.686
Be 313.042	4.1665	ppb	0.0147	0.4	9484.59
Ca 370.602	527.6	ppb	3.051	0.6	2615
Cd 226.502	5.2128	ppb	0.1437	2.8	244.508
Co 228.615	10.4135	ppb	0.4814	4.6	91.5828
Cr 267.716	10.0592	ppb	0.0919	0.9	354.762
Cu 324.754	21.3875	ppb	0.4866	2.3	1399.58
Fe 271.441	50.4670	ppb	1.9466	3.9	110.699
K 766.491	1057.20	ppb	7.1246	0.7	146580
Mg 279.078	520.305	ppb	5.0959	1.0	1500.40
Mn 257.610	10.6993	ppb	0.0792	0.7	1998.28
Mo 202.032	10.2794	ppb	0.4327	4.2	84.7990
Na 330.237	1025.17	ppb	126.611	12.4	170.307
Ni 231.604	43.7695	ppb	0.8949	2.0	173.341
Pb 220.353	11.3914	ppb	1.2694	11.1	18.3784
Sb 206.834	20.3346	ppb	1.3515	6.6	30.6998
Se 196.026	22.5747	ppb	6.6806	29.6	18.0253

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	55.4544	ppb	1.9755	3.6	34.0585
Sr 216.596	9.6363	ppb	0.3432	3.6	110.245
Ti 334.941	10.0064	ppb	0.0574	0.6	4433.58
Tl 190.794	26.3677	ppb	3.0722	11.7	8.8632
V 292.401	10.0004	ppb	0.0795	0.8	421.699
Zn 206.200	20.8813	ppb	0.3689	1.8	69.0632

Cont Calib Verif (CCV) **6/18/2014, 2:00:17 AM** **Rack 2, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	485.123	482.220	483.254
Al 308.215	4727.05	4743.80	4736.84
As 188.980	464.659	466.335	476.077
B 249.678	473.343	476.240	477.944
Ba 389.178	4858.27	4860.55	4856.68
Be 313.042	483.232	485.455	484.531
Ca 370.602	4902	4915	4912
Cd 226.502	486.028	486.385	485.839
Co 228.615	487.513	489.089	489.993
Cr 267.716	4830.57	4835.54	4836.18
Cu 324.754	4934.77	4941.29	4893.28
Fe 271.441	4822.91	4836.95	4827.49
K 766.491	9702.59	9711.08	9728.72
Mg 279.078	4784.40	4794.45	4793.16
Mn 257.610	4901.56	4915.44	4912.33
Mo 202.032	486.951	487.614	485.376
Na 330.237	7226.57	7073.37	6976.70
Ni 231.604	2430.99	2410.43	2429.19
Pb 220.353	485.643	492.506	489.214
Sb 206.834	960.139	949.410	952.279
Se 196.026	4834.07	4819.96	4821.81
Sn 189.925	4835.96	4848.33	4840.91
Sr 216.596	2362.56	2365.40	2363.15
Ti 334.941	479.300	479.959	479.677
Tl 190.794	4899.67	4889.71	4889.01
V 292.401	4846.30	4849.56	4849.63
Zn 206.200	2418.96	2420.74	2423.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	483.532	ppb	1.4713	0.3	28738.3	96.70647
Al 308.215	4735.90	ppb	8.4182	0.2	33170.6	94.71791
As 188.980	469.024	ppb	6.1657	1.3	298.128	93.80476
B 249.678	475.842	ppb	2.3262	0.5	8127.46	95.16844
Ba 389.178	4858.50	ppb	1.9454	0.0	132696	97.17000
Be 313.042	484.406	ppb	1.1164	0.2	1513030	96.88119
Ca 370.602	4910	ppb	6.979	0.1	24506	98.19368
Cd 226.502	486.084	ppb	0.2774	0.1	20361.9	97.21677
Co 228.615	488.865	ppb	1.2551	0.3	5098.12	97.77298
Cr 267.716	4834.10	ppb	3.0691	0.1	170284	96.68192
Cu 324.754	4923.11	ppb	26.0408	0.5	272849	98.46227
Fe 271.441	4829.12	ppb	7.1607	0.1	6269.44	96.58237

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9714.13	ppb	13.3273	0.1	1329032	97.14130
Mg 279.078	4790.67	ppb	5.4709	0.1	13481.3	95.81337
Mn 257.610	4909.78	ppb	7.2848	0.1	907989	98.19553
Mo 202.032	486.647	ppb	1.1493	0.2	3717.70	97.32941
Na 330.237	7092.21	ppb	125.998	1.8	560.012	94.56284
Ni 231.604	2423.54	ppb	11.3839	0.5	9344.50	96.94145
Pb 220.353	489.121	ppb	3.4320	0.7	708.075	97.82417
Sb 206.834	953.942	ppb	5.5544	0.6	1086.60	95.39424
Se 196.026	4825.28	ppb	7.6695	0.2	2214.64	96.50558
Sn 189.925	4841.73	ppb	6.2231	0.1	3832.43	96.83468
Sr 216.596	2363.70	ppb	1.4987	0.1	25736.3	94.54812
Ti 334.941	479.646	ppb	0.3308	0.1	216441	95.92913
Tl 190.794	4892.80	ppb	5.9649	0.1	3585.01	97.85592
V 292.401	4848.50	ppb	1.8984	0.0	201411	96.96992
Zn 206.200	2421.08	ppb	2.3114	0.1	7822.76	96.84339

Cont Calib Blank (CCB) **6/18/2014, 2:04:56 AM** **Rack 2, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	-0.0193u	0.5248	0.4841
Al 308.215	-5.7960u	-7.2778u	-5.3540u
As 188.980	5.2499	4.1752	1.2362
B 249.678	2.0717	1.7314	1.5061
Ba 389.178	0.6955	0.7878	1.0206
Be 313.042	0.1894	0.1851	0.1720
Ca 370.602	3.106	1.600	7.745
Cd 226.502	0.0752	0.1367	0.1603
Co 228.615	-0.3276u	0.2004	0.1093
Cr 267.716	0.2494	0.2448	0.1105
Cu 324.754	0.5728	0.6052	0.3578
Fe 271.441	0.9022	9.1906	0.6786
K 766.491	0.1280	0.0043	0.1911
Mg 279.078	2.4105	0.3119	1.9307
Mn 257.610	0.3879	0.2536	0.2118
Mo 202.032	0.9450	1.1855	0.1192
Na 330.237	-52.5027u	-134.687u	187.044
Ni 231.604	1.9445	1.7029	0.9600
Pb 220.353	0.2151	-0.4412u	0.0012
Sb 206.834	-3.1417u	-2.5182u	-3.4163u
Se 196.026	-5.3470u	-2.5143u	5.4581
Sn 189.925	5.2381	3.9554	5.4783
Sr 216.596	0.0621	-0.1533u	0.0939
Ti 334.941	0.1338	0.0892	0.0646
Tl 190.794	-0.5947u	1.7568	0.1674
V 292.401	0.2649	0.2075	0.4315
Zn 206.200	0.7273	0.4340	0.3874

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3299	ppb	0.3031	91.9	-11.6856	0.32989
Al 308.215	-6.1426	ppb	1.0077	16.4	353.217	-6.14259
As 188.980	3.5538	ppb	2.0778	58.5	-2.7055	3.55377

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	1.7697	ppb	0.2847	16.1	115.219	1.76973
Ba 389.178	0.8346	ppb	0.1675	20.1	-15.5882	0.83463
Be 313.042	0.1822	ppb	0.0090	5.0	-2976.43	0.18216
Ca 370.602	4.151	ppb	3.203	77.2	2.899	4.15066
Cd 226.502	0.1241	ppb	0.0439	35.4	31.6341	0.12406
Co 228.615	-0.0060	ppb	0.2822	4720.2	-17.4589	-0.00598
Cr 267.716	0.2016	ppb	0.0789	39.1	7.5085	0.20160
Cu 324.754	0.5119	ppb	0.1345	26.3	243.906	0.51192
Fe 271.441	3.5905	ppb	4.8511	135.1	49.9051	3.59046
K 766.491	0.1078	ppb	0.0950	88.2	2191.10	0.10778
Mg 279.078	1.5510	ppb	1.0996	70.9	43.5933	1.55104
Mn 257.610	0.2844	ppb	0.0920	32.4	68.2903	0.28444
Mo 202.032	0.7499	ppb	0.5593	74.6	12.0667	0.74991
Na 330.237	-0.0483	ppb	167.157	345982.7	101.519	-0.04831
Ni 231.604	1.5358	ppb	0.5131	33.4	10.5823	1.53579
Pb 220.353	-0.0750	ppb	0.3347	446.4	1.9011	-0.07497
Sb 206.834	-3.0254	ppb	0.4602	15.2	5.1206	-3.02541
Se 196.026	-0.8011	ppb	5.6026	699.4	7.3323	-0.80109
Sn 189.925	4.8906	ppb	0.8188	16.7	-6.0691	4.89057
Sr 216.596	0.0009	ppb	0.1345	14977.1	6.8830	0.00090
Ti 334.941	0.0959	ppb	0.0351	36.6	-41.3540	0.09586
Tl 190.794	0.4432	ppb	1.1998	270.7	-10.1727	0.44319
V 292.401	0.3013	ppb	0.1163	38.6	21.3204	0.30129
Zn 206.200	0.5162	ppb	0.1843	35.7	3.1572	0.51624

LCS 680-334399/4-A (Samp) **6/18/2014, 2:09:34 AM** **Rack 2, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	21.9390	21.6991	21.4440
Al 308.215	2002.33	2000.00	2001.49
As 188.980	45.5613	43.8473	46.3299
B 249.678	80.1827	80.5863	80.9168
Ba 389.178	41.3231	41.2854	41.9318
Be 313.042	21.0434	21.0621	21.0350
Ca 370.602	2060	2064	2057
Cd 226.502	21.3277	21.6300	21.1756
Co 228.615	21.4299	21.6622	21.8958
Cr 267.716	41.9643	42.3860	42.4160
Cu 324.754	43.7917	44.0674	44.0631
Fe 271.441	2064.27	2044.71	2043.30
K 766.491	2149.87	2149.77	2147.80
Mg 279.078	2051.26	2055.03	2061.34
Mn 257.610	217.483	217.963	217.776
Mo 202.032	42.2457	41.8623	42.2301
Na 330.237	2130.80	2049.10	2122.31
Ni 231.604	42.7629	43.8625	44.1069
Pb 220.353	18.7313	20.8500	21.1456
Sb 206.834	19.4804	20.0102	16.4424
Se 196.026	44.3025	40.7447	38.4289
Sn 189.925	87.6134	84.0569	86.4401
Sr 216.596	39.7055	40.8278	41.2379

Label	Replicates Concentration		
Ti 334.941	41.2944	41.3396	41.2777
Tl 190.794	16.9618	17.6498	15.6860
V 292.401	42.6626	42.3253	42.2092
Zn 206.200	42.7840	43.0761	43.0669

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.6940	ppb	0.2475	1.1	1258.64
Al 308.215	2001.28	ppb	1.1770	0.1	14111.0
As 188.980	45.2462	ppb	1.2709	2.8	24.2246
B 249.678	80.5619	ppb	0.3677	0.5	1443.60
Ba 389.178	41.5134	ppb	0.3628	0.9	1107.01
Be 313.042	21.0469	ppb	0.0138	0.1	62276.7
Ca 370.602	2061	ppb	3.476	0.2	10229
Cd 226.502	21.3778	ppb	0.2313	1.1	927.386
Co 228.615	21.6626	ppb	0.2329	1.1	209.273
Cr 267.716	42.2555	ppb	0.2526	0.6	1488.92
Cu 324.754	43.9741	ppb	0.1579	0.4	2648.60
Fe 271.441	2050.76	ppb	11.7214	0.6	2660.89
K 766.491	2149.15	ppb	1.1653	0.1	295729
Mg 279.078	2055.87	ppb	5.0938	0.2	5807.88
Mn 257.610	217.741	ppb	0.2416	0.1	40302.0
Mo 202.032	42.1127	ppb	0.2170	0.5	327.558
Na 330.237	2100.74	ppb	44.9160	2.1	241.131
Ni 231.604	43.5774	ppb	0.7159	1.6	172.698
Pb 220.353	20.2423	ppb	1.3169	6.5	30.9490
Sb 206.834	18.6443	ppb	1.9252	10.3	28.4031
Se 196.026	41.1587	ppb	2.9586	7.2	26.6204
Sn 189.925	86.0368	ppb	1.8122	2.1	58.3289
Sr 216.596	40.5904	ppb	0.7933	2.0	450.711
Ti 334.941	41.3039	ppb	0.0320	0.1	18565.8
Tl 190.794	16.7658	ppb	0.9965	5.9	1.7539
V 292.401	42.3991	ppb	0.2355	0.6	1760.12
Zn 206.200	42.9757	ppb	0.1661	0.4	140.551

680-102332-B-1-A (Samp) **6/18/2014, 2:14:13 AM** **Rack 2, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	0.3140	-0.1386u	0.3775
Al 308.215	145.162	143.479	143.261
As 188.980	-0.1211u	3.9897	-2.4126u
B 249.678	120.173	119.942	119.633
Ba 389.178	21.6790	20.1469	20.4444
Be 313.042	0.1683	0.1624	0.1658
Ca 370.602	7140	7113	7112
Cd 226.502	0.2103	0.1232	0.0634
Co 228.615	-0.0093	0.3792	0.6543
Cr 267.716	0.3623	0.4062	0.3262
Cu 324.754	2.3292	2.1997	1.8420
Fe 271.441	465.160	462.088	460.797
K 766.491	1757.38	1753.81	1755.54
Mg 279.078	2676.07	2659.77	2659.36

Label	Replicates Concentration		
Mn 257.610	45.5250	45.4044	45.3499
Mo 202.032	0.3393	0.9588	0.3527
Na 330.237	5037.38	4993.54	4854.90
Ni 231.604	1.0532	1.1014	0.9106
Pb 220.353	-0.4176u	0.0342	0.2004
Sb 206.834	-3.2239u	0.5864	-7.6097u
Se 196.026	-5.0067u	-0.7127u	1.9704
Sn 189.925	3.3443	1.3699	-0.1968u
Sr 216.596	46.8915	47.1044	46.5845
Ti 334.941	4.9592	4.7907	4.9385
Tl 190.794	2.7569	-7.6439u	-2.6246u
V 292.401	1.4683	1.6361	1.4194
Zn 206.200	2.7682	2.5777	2.4632

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1843	ppb	0.2815	152.7	-20.2526
Al 308.215	143.968	ppb	1.0404	0.7	1381.63
As 188.980	0.4853	ppb	3.2440	668.4	-4.6923
B 249.678	119.916	ppb	0.2713	0.2	2108.71
Ba 389.178	20.7568	ppb	0.8125	3.9	538.204
Be 313.042	0.1655	ppb	0.0030	1.8	-3025.41
Ca 370.602	7122	ppb	16.24	0.2	35478
Cd 226.502	0.1323	ppb	0.0738	55.8	33.6328
Co 228.615	0.3414	ppb	0.3334	97.7	-13.6937
Cr 267.716	0.3649	ppb	0.0401	11.0	13.3071
Cu 324.754	2.1236	ppb	0.2523	11.9	325.240
Fe 271.441	462.682	ppb	2.2411	0.5	635.000
K 766.491	1755.58	ppb	1.7821	0.1	241971
Mg 279.078	2665.07	ppb	9.5289	0.4	7522.92
Mn 257.610	45.4264	ppb	0.0896	0.2	8437.49
Mo 202.032	0.5503	ppb	0.3539	64.3	10.4917
Na 330.237	4961.94	ppb	95.2551	1.9	435.425
Ni 231.604	1.0217	ppb	0.0992	9.7	8.6236
Pb 220.353	-0.0610	ppb	0.3198	524.1	1.9033
Sb 206.834	-3.4157	ppb	4.1014	120.1	4.6962
Se 196.026	-1.2497	ppb	3.5194	281.6	7.1955
Sn 189.925	1.5058	ppb	1.7745	117.8	-8.7538
Sr 216.596	46.8601	ppb	0.2614	0.6	522.122
Ti 334.941	4.8961	ppb	0.0919	1.9	2132.22
Tl 190.794	-2.5039	ppb	5.2015	207.7	-12.3514
V 292.401	1.5079	ppb	0.1137	7.5	71.9289
Zn 206.200	2.6031	ppb	0.1541	5.9	9.9294

680-102332-B-1-B MS (Samp) **6/18/2014, 2:18:52 AM** **Rack 2, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	21.2177	21.2760	21.6566
Al 308.215	2126.42	2116.77	2119.29
As 188.980	42.6646	43.0957	37.5606
B 249.678	195.552	194.216	195.124
Ba 389.178	61.3376	60.6430	60.6827

Label	Replicates Concentration		
Be 313.042	20.7562	20.6800	20.6756
Ca 370.602	9028	8997	8991
Cd 226.502	20.8562	20.9013	20.6266
Co 228.615	21.1689	21.7159	21.6538
Cr 267.716	41.6841	41.4230	41.4650
Cu 324.754	44.3774	44.3651	45.0131
Fe 271.441	2455.85	2439.83	2452.96
K 766.491	3871.52	3852.02	3855.06
Mg 279.078	4632.63	4610.95	4608.61
Mn 257.610	257.929	256.816	256.705
Mo 202.032	40.8817	40.5014	41.0609
Na 330.237	7183.95	7038.14	6752.63
Ni 231.604	40.8961	40.5405	42.4439
Pb 220.353	20.5293	19.8089	20.1862
Sb 206.834	16.7843	15.2686	14.1140
Se 196.026	41.5664	44.4497	44.1672
Sn 189.925	81.9062	86.5248	88.7469
Sr 216.596	84.8841	84.4069	85.5342
Ti 334.941	45.4261	45.0564	44.8570
Tl 190.794	19.6431	11.7716	19.3156
V 292.401	42.8413	42.7932	42.9207
Zn 206.200	43.2306	43.7294	42.4557

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.3834	ppb	0.2384	1.1	1240.25
Al 308.215	2120.83	ppb	5.0067	0.2	14930.0
As 188.980	41.1070	ppb	3.0788	7.5	21.5462
B 249.678	194.964	ppb	0.6825	0.4	3373.88
Ba 389.178	60.8878	ppb	0.3901	0.6	1645.36
Be 313.042	20.7039	ppb	0.0453	0.2	61207.4
Ca 370.602	9005	ppb	20.30	0.2	44842
Cd 226.502	20.7947	ppb	0.1473	0.7	904.446
Co 228.615	21.5129	ppb	0.2995	1.4	207.841
Cr 267.716	41.5240	ppb	0.1402	0.3	1463.19
Cu 324.754	44.5852	ppb	0.3706	0.8	2674.70
Fe 271.441	2449.55	ppb	8.5401	0.3	3169.06
K 766.491	3859.53	ppb	10.4946	0.3	529351
Mg 279.078	4617.39	ppb	13.2435	0.3	13000.9
Mn 257.610	257.150	ppb	0.6769	0.3	47610.1
Mo 202.032	40.8147	ppb	0.2857	0.7	317.605
Na 330.237	6991.57	ppb	219.395	3.1	570.296
Ni 231.604	41.2935	ppb	1.0120	2.5	163.916
Pb 220.353	20.1748	ppb	0.3603	1.8	30.8382
Sb 206.834	15.3890	ppb	1.3392	8.7	24.8435
Se 196.026	43.3944	ppb	1.5894	3.7	27.7070
Sn 189.925	85.7260	ppb	3.4896	4.1	58.0836
Sr 216.596	84.9417	ppb	0.5659	0.7	938.512
Ti 334.941	45.1132	ppb	0.2888	0.6	20291.8
Tl 190.794	16.9101	ppb	4.4531	26.3	1.8448
V 292.401	42.8518	ppb	0.0643	0.2	1779.72
Zn 206.200	43.1386	ppb	0.6418	1.5	141.095

680-102332-B-1-C MSD (Samp) **6/18/2014, 2:23:30 AM** **Rack 2, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	21.4730	21.4875	20.7366
Al 308.215	2131.12	2130.06	2124.21
As 188.980	44.4387	45.8721	40.3923
B 249.678	195.383	195.417	196.788
Ba 389.178	60.6213	61.4496	61.4762
Be 313.042	20.7513	20.7436	20.6952
Ca 370.602	9018	8994	8976
Cd 226.502	20.8798	20.7321	20.5612
Co 228.615	21.0423	21.4949	20.5364
Cr 267.716	41.7259	41.6286	41.5775
Cu 324.754	44.7139	44.8074	44.7894
Fe 271.441	2467.04	2461.68	2450.44
K 766.491	3860.64	3876.42	3861.58
Mg 279.078	4621.22	4620.85	4604.95
Mn 257.610	257.838	257.932	257.111
Mo 202.032	41.1531	41.5853	42.2871
Na 330.237	6815.27	6962.88	6980.27
Ni 231.604	42.1121	42.6089	43.0729
Pb 220.353	16.7752	20.7293	20.8638
Sb 206.834	17.3183	22.1101	14.2625
Se 196.026	41.2841	35.9350	32.3764
Sn 189.925	83.0215	86.1395	85.6343
Sr 216.596	85.9173	85.5980	85.0888
Ti 334.941	45.1805	45.1764	45.1027
Tl 190.794	11.9522	10.0780	14.3745
V 292.401	43.0698	42.7981	43.0020
Zn 206.200	44.1338	42.4249	43.3223

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.2323	ppb	0.4294	2.0	1231.28
Al 308.215	2128.47	ppb	3.7191	0.2	14982.4
As 188.980	43.5677	ppb	2.8419	6.5	23.1362
B 249.678	195.863	ppb	0.8015	0.4	3389.10
Ba 389.178	61.1823	ppb	0.4861	0.8	1653.42
Be 313.042	20.7300	ppb	0.0304	0.1	61288.9
Ca 370.602	8996	ppb	20.98	0.2	44795
Cd 226.502	20.7244	ppb	0.1595	0.8	901.535
Co 228.615	21.0245	ppb	0.4795	2.3	202.705
Cr 267.716	41.6440	ppb	0.0754	0.2	1467.42
Cu 324.754	44.7702	ppb	0.0496	0.1	2684.98
Fe 271.441	2459.72	ppb	8.4686	0.3	3182.01
K 766.491	3866.21	ppb	8.8514	0.2	530263
Mg 279.078	4615.67	ppb	9.2887	0.2	12996.0
Mn 257.610	257.627	ppb	0.4494	0.2	47698.3
Mo 202.032	41.6752	ppb	0.5723	1.4	324.173
Na 330.237	6919.47	ppb	90.6560	1.3	565.437
Ni 231.604	42.5979	ppb	0.4805	1.1	168.943
Pb 220.353	19.4561	ppb	2.3227	11.9	29.8023
Sb 206.834	17.8970	ppb	3.9557	22.1	27.5850
Se 196.026	36.5318	ppb	4.4837	12.3	24.5699

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	84.9318	ppb	1.6735	2.0	57.4533
Sr 216.596	85.5347	ppb	0.4178	0.5	944.924
Ti 334.941	45.1532	ppb	0.0438	0.1	20309.8
Tl 190.794	12.1349	ppb	2.1541	17.8	-1.6598
V 292.401	42.9566	ppb	0.1414	0.3	1783.80
Zn 206.200	43.2937	ppb	0.8548	2.0	141.597

680-102332-B-2-A (Samp) **6/18/2014, 2:28:09 AM** **Rack 2, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	0.2908	-0.0226u	0.6278
Al 308.215	81.4990	83.9701	82.5679
As 188.980	1.6302	2.0644	-3.9930u
B 249.678	148.524	149.457	148.528
Ba 389.178	22.4265	22.3432	21.8927
Be 313.042	0.1468	0.1438	0.1472
Ca 370.602	7761	7772	7765
Cd 226.502	0.0119	-0.0400u	-0.0904u
Co 228.615	0.4833	0.5071	0.6981
Cr 267.716	0.1381	0.3127	0.1500
Cu 324.754	1.5201	1.5923	1.5688
Fe 271.441	415.061	415.083	410.168
K 766.491	1711.53	1717.12	1714.86
Mg 279.078	2847.10	2851.91	2844.92
Mn 257.610	66.5774	66.6311	66.5081
Mo 202.032	0.3100	0.4118	0.8803
Na 330.237	5188.34	5190.47	5137.27
Ni 231.604	1.8435	0.6868	2.5824
Pb 220.353	-0.8838u	-0.2679u	-0.5234u
Sb 206.834	-4.1379u	-4.2653u	-4.1255u
Se 196.026	-3.7320u	1.2529	-4.7018u
Sn 189.925	1.4481	0.5659	0.9413
Sr 216.596	48.7856	50.2246	49.6901
Ti 334.941	2.7185	2.7625	2.7468
Tl 190.794	-0.0050u	-1.8075u	0.3297
V 292.401	1.6080	1.4544	1.5524
Zn 206.200	4.4516	4.5358	4.7922

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2987	ppb	0.3253	108.9	-13.3657
Al 308.215	82.6790	ppb	1.2393	1.5	961.755
As 188.980	-0.0995	ppb	3.3789	3396.3	-5.0697
B 249.678	148.836	ppb	0.5373	0.4	2596.78
Ba 389.178	22.2208	ppb	0.2872	1.3	578.677
Be 313.042	0.1459	ppb	0.0018	1.3	-3086.24
Ca 370.602	7766	ppb	5.637	0.1	38690
Cd 226.502	-0.0395	ppb	0.0511	129.4	26.2848
Co 228.615	0.5629	ppb	0.1178	20.9	-11.4178
Cr 267.716	0.2003	ppb	0.0975	48.7	7.5060
Cu 324.754	1.5604	ppb	0.0368	2.4	293.375
Fe 271.441	413.437	ppb	2.8316	0.7	572.283

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	1714.51	ppb	2.8102	0.2	236361
Mg 279.078	2847.98	ppb	3.5741	0.1	8036.74
Mn 257.610	66.5722	ppb	0.0617	0.1	12349.1
Mo 202.032	0.5340	ppb	0.3041	57.0	10.3726
Na 330.237	5172.02	ppb	30.1158	0.6	449.629
Ni 231.604	1.7042	ppb	0.9554	56.1	11.2513
Pb 220.353	-0.5584	ppb	0.3095	55.4	1.1926
Sb 206.834	-4.1762	ppb	0.0774	1.9	3.8602
Se 196.026	-2.3936	ppb	3.1950	133.5	6.6795
Sn 189.925	0.9851	ppb	0.4427	44.9	-9.1669
Sr 216.596	49.5668	ppb	0.7274	1.5	551.855
Ti 334.941	2.7426	ppb	0.0223	0.8	1160.59
Tl 190.794	-0.4943	ppb	1.1495	232.6	-10.8688
V 292.401	1.5383	ppb	0.0778	5.1	73.1758
Zn 206.200	4.5932	ppb	0.1774	3.9	16.3723

680-102332-B-3-A (Samp) **6/18/2014, 2:32:48 AM** **Rack 2, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	0.1182	0.3445	0.6859
Al 308.215	121.398	123.078	120.529
As 188.980	-3.4341u	1.7215	9.0011
B 249.678	109.936	110.753	109.254
Ba 389.178	19.8630	19.3864	20.1276
Be 313.042	0.1536	0.1639	0.1501
Ca 370.602	7255	7229	7239
Cd 226.502	0.1026	0.2025	0.1471
Co 228.615	0.5100	0.5103	0.1136
Cr 267.716	-0.0740u	0.3671	0.1800
Cu 324.754	1.3820	1.0851	1.5665
Fe 271.441	474.060	475.774	477.903
K 766.491	1812.23	1816.34	1813.34
Mg 279.078	2710.16	2705.06	2716.61
Mn 257.610	40.4331	40.4030	40.4082
Mo 202.032	0.1185	0.3264	0.3566
Na 330.237	5269.64	5568.52	5345.58
Ni 231.604	0.3584	1.3638	0.9612
Pb 220.353	2.4099	2.1405	0.8887
Sb 206.834	-6.2080u	-4.2285u	-3.5983u
Se 196.026	-0.0951	-0.0323	3.8849
Sn 189.925	4.3297	1.3457	3.0537
Sr 216.596	46.5920	46.7297	46.2728
Ti 334.941	4.8826	4.9793	5.0307
Tl 190.794	-1.7585u	-3.0715u	0.2921
V 292.401	1.3467	1.4971	1.3805
Zn 206.200	2.5280	3.6802	3.0670

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3829	ppb	0.2858	74.7	-8.4751
Al 308.215	121.669	ppb	1.2959	1.1	1228.84
As 188.980	2.4295	ppb	6.2477	257.2	-3.4364

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	109.981	ppb	0.7507	0.7	1941.02
Ba 389.178	19.7924	ppb	0.3756	1.9	512.037
Be 313.042	0.1559	ppb	0.0072	4.6	-3055.38
Ca 370.602	7241	ppb	12.79	0.2	36073
Cd 226.502	0.1507	ppb	0.0500	33.2	34.4412
Co 228.615	0.3780	ppb	0.2290	60.6	-13.3006
Cr 267.716	0.1577	ppb	0.2214	140.4	6.0115
Cu 324.754	1.3446	ppb	0.2429	18.1	281.945
Fe 271.441	475.912	ppb	1.9251	0.4	651.860
K 766.491	1813.97	ppb	2.1243	0.1	249947
Mg 279.078	2710.61	ppb	5.7881	0.2	7650.81
Mn 257.610	40.4148	ppb	0.0161	0.0	7511.11
Mo 202.032	0.2672	ppb	0.1296	48.5	8.3293
Na 330.237	5394.58	ppb	155.349	2.9	464.559
Ni 231.604	0.8944	ppb	0.5060	56.6	8.1335
Pb 220.353	1.8131	ppb	0.8117	44.8	4.6020
Sb 206.834	-4.6783	ppb	1.3617	29.1	3.3118
Se 196.026	1.2525	ppb	2.2799	182.0	8.3396
Sn 189.925	2.9097	ppb	1.4972	51.5	-7.6395
Sr 216.596	46.5315	ppb	0.2344	0.5	518.588
Ti 334.941	4.9642	ppb	0.0752	1.5	2163.03
Tl 190.794	-1.5126	ppb	1.6952	112.1	-11.6255
V 292.401	1.4081	ppb	0.0789	5.6	67.8943
Zn 206.200	3.0917	ppb	0.5765	18.6	11.5130

680-102332-B-8-A (Samp) **6/18/2014, 2:37:26 AM** **Rack 2, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	0.5140	0.6569	0.5828
Al 308.215	75.8508	75.5889	78.3379
As 188.980	3.8928	1.9355	-3.2226u
B 249.678	134.817	134.456	135.789
Ba 389.178	25.8723	24.8556	25.6374
Be 313.042	0.1382	0.1436	0.1473
Ca 370.602	8269	8243	8233
Cd 226.502	0.1972	-0.0315	0.0347
Co 228.615	0.5630	0.3153	0.5816
Cr 267.716	-0.1560u	0.1990	0.2040
Cu 324.754	2.2580	2.1457	2.3712
Fe 271.441	396.773	388.244	392.721
K 766.491	2059.05	2054.37	2056.04
Mg 279.078	3088.02	3063.94	3078.73
Mn 257.610	36.9802	36.8523	36.8682
Mo 202.032	0.1092	0.5606	0.2431
Na 330.237	9383.59	9687.72	9228.96
Ni 231.604	-0.7381u	1.4241	2.1761
Pb 220.353	1.7726	-2.4156u	-0.5187u
Sb 206.834	-5.0390u	-4.7031u	-2.7255u
Se 196.026	-5.4549u	0.2852	-2.4889u
Sn 189.925	2.4089	1.6933	-0.6290u
Sr 216.596	100.680	100.009	99.1216

Label	Replicates Concentration		
Ti 334.941	2.3830	2.4153	2.4081
Tl 190.794	-2.3230u	-4.2137u	1.0175
V 292.401	1.6404	1.5293	1.8320
Zn 206.200	0.7203	1.6516	2.2168

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5846	ppb	0.0715	12.2	3.5044
Al 308.215	76.5926	ppb	1.5172	2.0	920.049
As 188.980	0.8685	ppb	3.6757	423.2	-4.4441
B 249.678	135.021	ppb	0.6895	0.5	2363.68
Ba 389.178	25.4551	ppb	0.5323	2.1	667.705
Be 313.042	0.1430	ppb	0.0046	3.2	-3095.64
Ca 370.602	8248	ppb	18.56	0.2	41093
Cd 226.502	0.0668	ppb	0.1177	176.2	30.6279
Co 228.615	0.4867	ppb	0.1487	30.5	-12.2177
Cr 267.716	0.0823	ppb	0.2064	250.7	3.3974
Cu 324.754	2.2583	ppb	0.1128	5.0	331.505
Fe 271.441	392.579	ppb	4.2663	1.1	545.688
K 766.491	2056.49	ppb	2.3691	0.1	283072
Mg 279.078	3076.90	ppb	12.1425	0.4	8679.72
Mn 257.610	36.9002	ppb	0.0697	0.2	6863.73
Mo 202.032	0.3043	ppb	0.2319	76.2	8.6216
Na 330.237	9433.43	ppb	233.403	2.5	736.692
Ni 231.604	0.9540	ppb	1.5129	158.6	8.3592
Pb 220.353	-0.3872	ppb	2.0972	541.6	1.4400
Sb 206.834	-4.1559	ppb	1.2501	30.1	3.8863
Se 196.026	-2.5529	ppb	2.8706	112.4	6.6042
Sn 189.925	1.1578	ppb	1.5882	137.2	-9.0287
Sr 216.596	99.9370	ppb	0.7817	0.8	1102.86
Ti 334.941	2.4021	ppb	0.0169	0.7	1007.07
Tl 190.794	-1.8397	ppb	2.6489	144.0	-11.8610
V 292.401	1.6672	ppb	0.1531	9.2	78.5750
Zn 206.200	1.5296	ppb	0.7557	49.4	6.4522

680-102332-B-9-A (Samp) **6/18/2014, 2:42:05 AM** **Rack 2, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	0.3565	0.3011	0.2474
Al 308.215	99.3167	98.5674	101.539
As 188.980	3.1062	3.4683	2.4838
B 249.678	155.418	156.427	155.792
Ba 389.178	22.7682	23.2807	23.4067
Be 313.042	0.1470	0.1673	0.1621
Ca 370.602	8315	8325	8303
Cd 226.502	0.0995	0.1869	-0.1571u
Co 228.615	0.3850	0.3974	0.6901
Cr 267.716	0.2098	0.5850	0.5270
Cu 324.754	2.5064	2.3343	2.0348
Fe 271.441	446.683	434.664	439.473
K 766.491	2046.85	2042.61	2041.84
Mg 279.078	3078.57	3069.03	3076.38

Label	Replicates Concentration		
Mn 257.610	40.7131	40.6799	40.6831
Mo 202.032	0.0140	-0.0890u	0.9982
Na 330.237	9377.70	9308.50	9503.99
Ni 231.604	1.7828	0.8967	1.2356
Pb 220.353	-3.7342u	0.6358	1.0373
Sb 206.834	-4.5638u	-1.6833u	-3.5483u
Se 196.026	-1.4923u	-4.2560u	7.0299
Sn 189.925	5.3374	3.5365	0.8131
Sr 216.596	103.463	104.611	102.915
Ti 334.941	3.6171	3.5163	3.4453
Tl 190.794	-4.2879u	0.2059	-6.6097u
V 292.401	1.7564	1.7613	1.5854
Zn 206.200	4.0788	4.7254	3.6310

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3017	ppb	0.0546	18.1	-13.2983
Al 308.215	99.8076	ppb	1.5452	1.5	1079.09
As 188.980	3.0194	ppb	0.4979	16.5	-3.0549
B 249.678	155.879	ppb	0.5103	0.3	2715.60
Ba 389.178	23.1518	ppb	0.3382	1.5	604.896
Be 313.042	0.1588	ppb	0.0105	6.6	-3046.29
Ca 370.602	8315	ppb	10.95	0.1	41424
Cd 226.502	0.0431	ppb	0.1788	414.9	29.8099
Co 228.615	0.4908	ppb	0.1726	35.2	-12.1497
Cr 267.716	0.4406	ppb	0.2020	45.8	16.0214
Cu 324.754	2.2918	ppb	0.2387	10.4	333.266
Fe 271.441	440.273	ppb	6.0498	1.4	606.492
K 766.491	2043.76	ppb	2.6968	0.1	281335
Mg 279.078	3074.66	ppb	4.9942	0.2	8673.32
Mn 257.610	40.6920	ppb	0.0183	0.0	7565.03
Mo 202.032	0.3077	ppb	0.6002	195.0	8.6422
Na 330.237	9396.73	ppb	99.1262	1.1	734.167
Ni 231.604	1.3051	ppb	0.4471	34.3	9.7144
Pb 220.353	-0.6870	ppb	2.6466	385.2	1.0060
Sb 206.834	-3.2651	ppb	1.4610	44.7	4.8691
Se 196.026	0.4272	ppb	5.8827	1377.1	7.9689
Sn 189.925	3.2290	ppb	2.2778	70.5	-7.3849
Sr 216.596	103.663	ppb	0.8655	0.8	1143.66
Ti 334.941	3.5263	ppb	0.0863	2.4	1514.48
Tl 190.794	-3.5639	ppb	3.4650	97.2	-13.1277
V 292.401	1.7011	ppb	0.1002	5.9	79.9845
Zn 206.200	4.1451	ppb	0.5502	13.3	14.9213

680-102332-B-10-A (Samp) **6/18/2014, 2:46:44 AM** **Rack 2, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	0.3583	-0.0181u	-0.3339u
Al 308.215	134.609	137.963	137.301
As 188.980	0.8623	-0.1981u	-0.2013u
B 249.678	114.603	115.037	115.427
Ba 389.178	20.5677	20.4158	20.4887

Label	Replicates Concentration		
Be 313.042	0.1548	0.1441	0.1572
Ca 370.602	6961	6949	6950
Cd 226.502	-0.0001	0.0278	-0.2160u
Co 228.615	0.3555	0.6655	0.5747
Cr 267.716	1.3665	1.6907	1.4436
Cu 324.754	1.2827	1.3439	1.3521
Fe 271.441	507.029	511.461	504.113
K 766.491	1683.08	1683.28	1681.18
Mg 279.078	2636.30	2635.48	2634.28
Mn 257.610	49.0232	48.9540	49.0818
Mo 202.032	0.4802	0.0384	0.6473
Na 330.237	4351.23	4362.40	4081.51
Ni 231.604	2.4249	2.6011	1.9860
Pb 220.353	3.5710	-3.1383u	-0.8736u
Sb 206.834	-2.3005u	0.3833	-2.8898u
Se 196.026	-6.0172u	2.6346	-8.1066u
Sn 189.925	2.7649	1.4032	3.3667
Sr 216.596	44.2835	44.3495	44.5370
Ti 334.941	4.9514	4.7952	4.9828
Tl 190.794	-0.9061u	0.3980	-3.1353u
V 292.401	1.5976	1.5383	1.5266
Zn 206.200	2.1268	1.6803	3.3173

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0021	ppb	0.3465	16597.2	-31.0706
Al 308.215	136.624	ppb	1.7765	1.3	1331.31
As 188.980	0.1543	ppb	0.6131	397.4	-4.9067
B 249.678	115.023	ppb	0.4121	0.4	2026.12
Ba 389.178	20.4907	ppb	0.0760	0.4	530.955
Be 313.042	0.1521	ppb	0.0070	4.6	-3067.32
Ca 370.602	6954	ppb	6.920	0.1	34638
Cd 226.502	-0.0627	ppb	0.1334	212.6	25.6560
Co 228.615	0.5319	ppb	0.1594	30.0	-11.6908
Cr 267.716	1.5002	ppb	0.1694	11.3	53.3052
Cu 324.754	1.3262	ppb	0.0379	2.9	281.247
Fe 271.441	507.534	ppb	3.6997	0.7	692.146
K 766.491	1682.51	ppb	1.1617	0.1	231991
Mg 279.078	2635.35	ppb	1.0157	0.0	7439.35
Mn 257.610	49.0196	ppb	0.0640	0.1	9101.87
Mo 202.032	0.3886	ppb	0.3146	80.9	9.2523
Na 330.237	4265.05	ppb	159.049	3.7	388.460
Ni 231.604	2.3373	ppb	0.3167	13.6	13.6957
Pb 220.353	-0.1470	ppb	3.4132	2322.2	1.7803
Sb 206.834	-1.6023	ppb	1.7447	108.9	6.7053
Se 196.026	-3.8297	ppb	5.6949	148.7	6.0168
Sn 189.925	2.5116	ppb	1.0060	40.1	-7.9558
Sr 216.596	44.3900	ppb	0.1315	0.3	495.039
Ti 334.941	4.9098	ppb	0.1005	2.0	2138.39
Tl 190.794	-1.2145	ppb	1.7867	147.1	-11.4073
V 292.401	1.5542	ppb	0.0381	2.4	73.8526
Zn 206.200	2.3748	ppb	0.8462	35.6	9.1876

460-77629-A-1-A (Samp) **6/18/2014, 2:51:23 AM** **Rack 2, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	-0.0420u	0.7216	0.3794
Al 308.215	81.3847	82.1075	80.5601
As 188.980	0.0515	4.3319	0.7955
B 249.678	15.3363	15.7207	15.2792
Ba 389.178	28.0609	29.2740	29.3227
Be 313.042	0.1490	0.1418	0.1524
Ca 370.602	18452	18464	18466
Cd 226.502	0.0910	0.0068	0.1266
Co 228.615	0.5782	0.5240	0.1798
Cr 267.716	0.1419	0.4463	0.4246
Cu 324.754	2.2159	2.6013	2.3599
Fe 271.441	276.328	291.438	287.468
K 766.491	1760.05	1767.82	1761.09
Mg 279.078	6302.26	6311.61	6317.17
Mn 257.610	69.1075	69.1973	69.2834
Mo 202.032	1.2442	0.5462	1.3365
Na 330.237	15569.5	15950.5	15960.7
Ni 231.604	1.4215	1.3491	3.1123
Pb 220.353	3.5134	3.5791	1.3981
Sb 206.834	-4.2373u	-1.4321u	-4.0516u
Se 196.026	-11.1591u	-1.4494u	2.4410
Sn 189.925	-0.5149u	-0.1439u	1.7525
Sr 216.596	75.7177	74.8376	75.9748
Ti 334.941	1.3517	1.3342	1.3246
Tl 190.794	-4.2165u	-0.7324u	-3.8398u
V 292.401	0.4856	0.4831	0.5099
Zn 206.200	19.0683	19.6246	20.8595

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3530	ppb	0.3825	108.4	-10.1698
Al 308.215	81.3507	ppb	0.7742	1.0	952.636
As 188.980	1.7263	ppb	2.2870	132.5	-3.8887
B 249.678	15.4454	ppb	0.2401	1.6	345.826
Ba 389.178	28.8859	ppb	0.7149	2.5	771.633
Be 313.042	0.1477	ppb	0.0054	3.7	-3077.38
Ca 370.602	18461	ppb	7.346	0.0	92007
Cd 226.502	0.0748	ppb	0.0615	82.3	30.5856
Co 228.615	0.4273	ppb	0.2161	50.6	-12.8855
Cr 267.716	0.3376	ppb	0.1698	50.3	12.4793
Cu 324.754	2.3924	ppb	0.1947	8.1	327.760
Fe 271.441	285.078	ppb	7.8337	2.7	408.672
K 766.491	1762.99	ppb	4.2170	0.2	242983
Mg 279.078	6310.35	ppb	7.5345	0.1	17761.2
Mn 257.610	69.1960	ppb	0.0880	0.1	12860.1
Mo 202.032	1.0423	ppb	0.4321	41.5	14.2677
Na 330.237	15826.9	ppb	222.969	1.4	1167.35
Ni 231.604	1.9610	ppb	0.9978	50.9	12.2345
Pb 220.353	2.8302	ppb	1.2407	43.8	6.0720
Sb 206.834	-3.2403	ppb	1.5687	48.4	4.8796
Se 196.026	-3.3891	ppb	7.0045	206.7	6.2943

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.3645	ppb	1.2162	333.6	-9.6563
Sr 216.596	75.5101	ppb	0.5964	0.8	838.882
Ti 334.941	1.3368	ppb	0.0138	1.0	534.177
Tl 190.794	-2.9296	ppb	1.9121	65.3	-12.6492
V 292.401	0.4929	ppb	0.0148	3.0	29.3216
Zn 206.200	19.8508	ppb	0.9168	4.6	65.7714

Cont Calib Verif (CCV) **6/18/2014, 2:56:03 AM** **Rack 3, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	482.598	477.014	475.910
Al 308.215	4722.27	4683.99	4705.44
As 188.980	468.072	467.614	466.483
B 249.678	474.089	469.880	474.680
Ba 389.178	4842.70	4797.94	4820.45
Be 313.042	481.561	479.154	481.224
Ca 370.602	4887	4844	4867
Cd 226.502	483.715	480.504	482.667
Co 228.615	486.068	483.628	486.400
Cr 267.716	4808.32	4771.77	4799.88
Cu 324.754	4927.84	4907.24	4926.70
Fe 271.441	4806.38	4758.92	4786.02
K 766.491	9715.83	9617.32	9684.74
Mg 279.078	4775.72	4733.69	4756.57
Mn 257.610	4893.48	4863.97	4886.56
Mo 202.032	483.813	481.274	483.584
Na 330.237	6944.83	7084.33	7042.32
Ni 231.604	2427.96	2377.14	2382.65
Pb 220.353	482.387	482.458	485.255
Sb 206.834	945.582	942.476	944.868
Se 196.026	4804.28	4765.53	4828.15
Sn 189.925	4827.07	4774.52	4819.91
Sr 216.596	2349.45	2328.89	2340.05
Ti 334.941	478.139	473.858	476.665
Tl 190.794	4871.23	4832.22	4843.86
V 292.401	4825.12	4787.00	4817.15
Zn 206.200	2407.79	2390.88	2398.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	478.507	ppb	3.5853	0.7	28439.5	95.70143
Al 308.215	4703.90	ppb	19.1873	0.4	32949.2	94.07798
As 188.980	467.390	ppb	0.8179	0.2	297.071	93.47800
B 249.678	472.883	ppb	2.6172	0.6	8077.37	94.57659
Ba 389.178	4820.36	ppb	22.3773	0.5	131654	96.40726
Be 313.042	480.646	ppb	1.3035	0.3	1501262	96.12929
Ca 370.602	4866	ppb	21.29	0.4	24289	97.32475
Cd 226.502	482.295	ppb	1.6371	0.3	20203.4	96.45908
Co 228.615	485.365	ppb	1.5132	0.3	5061.53	97.07304
Cr 267.716	4793.32	ppb	19.1414	0.4	168847	95.86646
Cu 324.754	4920.59	ppb	11.5822	0.2	272710	98.41187
Fe 271.441	4783.77	ppb	23.8128	0.5	6211.23	95.67545

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9672.63	ppb	50.3568	0.5	1323364	96.72632
Mg 279.078	4755.33	ppb	21.0441	0.4	13382.1	95.10652
Mn 257.610	4881.34	ppb	15.4330	0.3	902730	97.62680
Mo 202.032	482.890	ppb	1.4042	0.3	3689.04	96.57803
Na 330.237	7023.82	ppb	71.5662	1.0	555.555	93.65099
Ni 231.604	2395.91	ppb	27.8882	1.2	9238.05	95.83656
Pb 220.353	483.366	ppb	1.6359	0.3	699.781	96.67329
Sb 206.834	944.309	ppb	1.6268	0.2	1075.84	94.43086
Se 196.026	4799.32	ppb	31.5998	0.7	2202.77	95.98640
Sn 189.925	4807.17	ppb	28.5007	0.6	3805.00	96.14334
Sr 216.596	2339.46	ppb	10.2941	0.4	25472.7	93.57850
Ti 334.941	476.221	ppb	2.1751	0.5	214894	95.24411
Tl 190.794	4849.10	ppb	20.0263	0.4	3552.92	96.98203
V 292.401	4809.76	ppb	20.1104	0.4	199801	96.19516
Zn 206.200	2399.11	ppb	8.4679	0.4	7751.71	95.96429

Cont Calib Blank (CCB) **6/18/2014, 3:00:43 AM** **Rack 3, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.0363	0.5613	0.0836
Al 308.215	-4.3189u	-5.5199u	-7.0778u
As 188.980	2.0466	1.6897	-0.1369u
B 249.678	2.1430	2.0775	0.8665
Ba 389.178	0.7793	0.9344	0.8338
Be 313.042	0.1733	0.1738	0.1574
Ca 370.602	5.811	3.413	3.627
Cd 226.502	0.1736	0.0718	0.1472
Co 228.615	0.2440	-0.4337u	-0.1567u
Cr 267.716	0.2683	0.0971	0.1283
Cu 324.754	0.5921	0.6390	0.2231
Fe 271.441	6.6164	2.5105	-0.8622u
K 766.491	0.0954	-0.0801u	-0.1756u
Mg 279.078	1.1142	1.3297	4.1028
Mn 257.610	0.3954	0.3515	0.2558
Mo 202.032	0.9693	0.0763	0.4994
Na 330.237	155.405	216.911	8.3772
Ni 231.604	2.3067	0.4259	1.6182
Pb 220.353	-0.6044u	0.2113	0.1178
Sb 206.834	-2.2868u	-2.5040u	0.9479
Se 196.026	-7.1356u	7.1517	-6.5743u
Sn 189.925	6.4184	1.6831	6.2753
Sr 216.596	-0.5518u	0.3891	-0.0605u
Ti 334.941	0.1039	0.1254	0.0837
Tl 190.794	0.6262	-0.2371u	-3.1257u
V 292.401	0.5349	0.2888	0.4476
Zn 206.200	-0.1038u	0.7184	0.6964

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2271	ppb	0.2904	127.9	-17.7963	0.22706
Al 308.215	-5.6389	ppb	1.3833	24.5	356.651	-5.63886
As 188.980	1.1998	ppb	1.1713	97.6	-4.2264	1.19984

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	1.6957	ppb	0.7188	42.4	114.012	1.69567
Ba 389.178	0.8492	ppb	0.0787	9.3	-15.1884	0.84917
Be 313.042	0.1682	ppb	0.0093	5.6	-3020.07	0.16819
Ca 370.602	4.284	ppb	1.327	31.0	3.538	4.28384
Cd 226.502	0.1308	ppb	0.0528	40.4	31.9217	0.13084
Co 228.615	-0.1155	ppb	0.3407	295.1	-18.5987	-0.11545
Cr 267.716	0.1646	ppb	0.0912	55.4	6.2042	0.16459
Cu 324.754	0.4847	ppb	0.2278	47.0	242.393	0.48472
Fe 271.441	2.7549	ppb	3.7453	136.0	48.8658	2.75487
K 766.491	-0.0534	ppb	0.1375	257.4	2169.09	-0.05340
Mg 279.078	2.1822	ppb	1.6668	76.4	45.3628	2.18220
Mn 257.610	0.3342	ppb	0.0714	21.4	77.5008	0.33422
Mo 202.032	0.5150	ppb	0.4467	86.7	10.2735	0.51501
Na 330.237	126.898	ppb	107.150	84.4	110.070	126.89790
Ni 231.604	1.4503	ppb	0.9516	65.6	10.2529	1.45029
Pb 220.353	-0.0918	ppb	0.4464	486.4	1.8770	-0.09179
Sb 206.834	-1.2809	ppb	1.9333	150.9	7.0454	-1.28094
Se 196.026	-2.1860	ppb	8.0916	370.1	6.6992	-2.18604
Sn 189.925	4.7923	ppb	2.6936	56.2	-6.1471	4.79227
Sr 216.596	-0.0744	ppb	0.4706	632.6	6.0575	-0.07440
Ti 334.941	0.1043	ppb	0.0209	20.0	-37.5258	0.10434
Tl 190.794	-0.9122	ppb	1.9649	215.4	-11.1668	-0.91223
V 292.401	0.4238	ppb	0.1248	29.4	26.5041	0.42379
Zn 206.200	0.4370	ppb	0.4685	107.2	2.9009	0.43700

460-77629-A-2-A (Samp) **6/18/2014, 3:05:22 AM** **Rack 3, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	0.5645	0.3888	-0.0193u
Al 308.215	77.2369	76.5449	74.6478
As 188.980	4.9971	2.0820	6.8667
B 249.678	15.0645	15.0248	14.6781
Ba 389.178	28.6622	28.1714	28.2882
Be 313.042	0.1460	0.1242	0.1308
Ca 370.602	18185	18133	18163
Cd 226.502	0.1855	0.0875	0.0807
Co 228.615	0.4774	0.3998	0.6207
Cr 267.716	0.4599	0.2432	0.0488
Cu 324.754	1.6649	2.0668	1.7725
Fe 271.441	279.116	279.941	275.198
K 766.491	1783.90	1788.83	1788.44
Mg 279.078	6201.44	6210.67	6219.93
Mn 257.610	67.5609	67.4745	67.7637
Mo 202.032	0.8248	0.4351	1.0650
Na 330.237	19134.9	19427.7	19291.1
Ni 231.604	2.0611	2.1277	2.7389
Pb 220.353	-1.9383u	0.5487	2.2496
Sb 206.834	-0.5070u	-3.9500u	-3.0766u
Se 196.026	8.5698	1.6425	3.3579
Sn 189.925	0.2611	-0.6401u	-2.0784u
Sr 216.596	74.5994	74.3307	74.1109

Label	Replicates Concentration		
Ti 334.941	1.2828	1.3000	1.2335
Tl 190.794	-3.5724u	-2.6398u	-2.1677u
V 292.401	0.6572	0.5871	0.5076
Zn 206.200	6.8868	5.9710	6.6517

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3113	ppb	0.2995	96.2	-12.6475
Al 308.215	76.1432	ppb	1.3405	1.8	916.943
As 188.980	4.6486	ppb	2.4113	51.9	-2.0007
B 249.678	14.9225	ppb	0.2125	1.4	337.013
Ba 389.178	28.3739	ppb	0.2564	0.9	757.317
Be 313.042	0.1337	ppb	0.0112	8.4	-3121.93
Ca 370.602	18160	ppb	26.31	0.1	90509
Cd 226.502	0.1179	ppb	0.0586	49.7	32.3390
Co 228.615	0.4993	ppb	0.1121	22.4	-12.1270
Cr 267.716	0.2506	ppb	0.2056	82.0	9.4522
Cu 324.754	1.8347	ppb	0.2080	11.3	297.194
Fe 271.441	278.085	ppb	2.5343	0.9	399.780
K 766.491	1787.06	ppb	2.7417	0.2	246271
Mg 279.078	6210.68	ppb	9.2446	0.1	17481.3
Mn 257.610	67.5997	ppb	0.1484	0.2	12564.1
Mo 202.032	0.7750	ppb	0.3179	41.0	12.2277
Na 330.237	19284.6	ppb	146.531	0.8	1400.29
Ni 231.604	2.3092	ppb	0.3736	16.2	13.5762
Pb 220.353	0.2867	ppb	2.1062	734.8	2.4117
Sb 206.834	-2.5112	ppb	1.7898	71.3	5.6871
Se 196.026	4.5234	ppb	3.6077	79.8	9.9091
Sn 189.925	-0.8191	ppb	1.1800	144.1	-10.5946
Sr 216.596	74.3470	ppb	0.2447	0.3	826.059
Ti 334.941	1.2721	ppb	0.0345	2.7	504.331
Tl 190.794	-2.7933	ppb	0.7148	25.6	-12.5486
V 292.401	0.5840	ppb	0.0749	12.8	33.1617
Zn 206.200	6.5032	ppb	0.4757	7.3	22.5519

680-102260-Q-1-A (Samp) **6/18/2014, 3:10:01 AM** **Rack 3, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-0.3383u	-0.2535u	0.2542
Al 308.215	4.6500	2.3042	2.6445
As 188.980	-8.9997u	4.4327	2.6678
B 249.678	172.749	173.416	171.860
Ba 389.178	238.670	238.065	237.554
Be 313.042	0.0826	0.0902	0.0814
Ca 370.602	104208	104325	104150
Cd 226.502	0.0780	-0.1047u	0.0424
Co 228.615	0.2404	0.5768	0.2833
Cr 267.716	0.0226	0.3734	0.3320
Cu 324.754	9.3522	9.4293	9.4848
Fe 271.441	-6.4482u	4.9491	-8.5083u
K 766.491	2541.18	2537.08	2538.42
Mg 279.078	34459.3	34470.4	34422.9

Label	Replicates Concentration		
Mn 257.610	1.0562	1.0446	1.0411
Mo 202.032	11.8119	11.5163	11.1064
Na 330.237	14605.6	14761.0	14800.4
Ni 231.604	1.2872	3.0687	2.9865
Pb 220.353	2.8031	-0.7106u	1.5295
Sb 206.834	-3.7351u	-4.5703u	-7.9730u
Se 196.026	-2.0376u	-4.5193u	-6.3092u
Sn 189.925	1.9037	-0.4967u	3.4170
Sr 216.596	1408.77	1409.43	1407.50
Ti 334.941	0.0175	0.0181	-0.0146
Tl 190.794	-10.0609u	1.4255	-9.7030u
V 292.401	0.2915	0.1352	0.2105
Zn 206.200	14.9332	16.3674	16.3115

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1125	ppb	0.3204	284.8	-38.5159
Al 308.215	3.1996	ppb	1.2676	39.6	418.011
As 188.980	-0.6331	ppb	7.2993	1153.0	-5.4071
B 249.678	172.675	ppb	0.7809	0.5	2999.47
Ba 389.178	238.096	ppb	0.5586	0.2	6576.14
Be 313.042	0.0847	ppb	0.0048	5.6	-3231.55
Ca 370.602	104228	ppb	89.07	0.1	519570
Cd 226.502	0.0052	ppb	0.0969	1851.7	27.0287
Co 228.615	0.3669	ppb	0.1831	49.9	-13.8313
Cr 267.716	0.2427	ppb	0.1917	79.0	9.1234
Cu 324.754	9.4221	ppb	0.0666	0.7	623.160
Fe 271.441	-3.3358	ppb	7.2485	217.3	41.1457
K 766.491	2538.89	ppb	2.0938	0.1	348964
Mg 279.078	34450.9	ppb	24.8192	0.1	96794.9
Mn 257.610	1.0473	ppb	0.0079	0.8	470.704
Mo 202.032	11.4782	ppb	0.3543	3.1	93.9622
Na 330.237	14722.3	ppb	103.021	0.7	1093.12
Ni 231.604	2.4475	ppb	1.0057	41.1	14.0952
Pb 220.353	1.2073	ppb	1.7789	147.3	3.7336
Sb 206.834	-5.4261	ppb	2.2448	41.4	2.2429
Se 196.026	-4.2887	ppb	2.1451	50.0	6.4471
Sn 189.925	1.6080	ppb	1.9735	122.7	-8.6698
Sr 216.596	1408.57	ppb	0.9796	0.1	15444.5
Ti 334.941	0.0070	ppb	0.0187	267.4	9.9568
Tl 190.794	-6.1128	ppb	6.5308	106.8	-14.9866
V 292.401	0.2124	ppb	0.0782	36.8	14.7525
Zn 206.200	15.8707	ppb	0.8124	5.1	52.8746

640-48210-AF-1-A (Samp) **6/18/2014, 3:14:41 AM** **Rack 3, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	0.5490	0.2908	0.1752
Al 308.215	2.2677	4.2095	4.9198
As 188.980	-1.0019u	1.5500	-4.8938u
B 249.678	21.5720	22.2005	21.0684
Ba 389.178	13.6879	12.6968	13.5814

Label	Replicates Concentration		
Be 313.042	0.1148	0.1070	0.1259
Ca 370.602	4893	4892	4908
Cd 226.502	-0.1267u	0.1777	0.1344
Co 228.615	0.6394	1.1302	1.2343
Cr 267.716	0.0938	0.2171	-0.0849u
Cu 324.754	0.9709	1.1524	0.9926
Fe 271.441	-3.5941u	-0.3763u	-4.2213u
K 766.491	1161.13	1162.63	1165.74
Mg 279.078	3498.62	3498.87	3498.78
Mn 257.610	8.3295	8.3318	8.3145
Mo 202.032	0.5463	0.4807	0.1015
Na 330.237	66767.9	66545.4	66610.5
Ni 231.604	4.4498	5.2956	3.6439
Pb 220.353	-0.5730u	0.2292	-3.5765u
Sb 206.834	-3.3173u	-1.6038u	-5.1151u
Se 196.026	-7.7650u	0.9434	-5.7791u
Sn 189.925	3.1855	2.8293	-0.3708u
Sr 216.596	23.0640	22.5598	23.1064
Ti 334.941	0.1283	0.0990	0.0987
Tl 190.794	-2.1710u	0.7203	0.7174
V 292.401	0.2082	0.0911	0.1333
Zn 206.200	0.3901	1.6271	2.0524

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3383	ppb	0.1914	56.6	-11.2010
Al 308.215	3.7990	ppb	1.3729	36.1	421.278
As 188.980	-1.4486	ppb	3.2451	224.0	-5.9375
B 249.678	21.6136	ppb	0.5672	2.6	450.168
Ba 389.178	13.3220	ppb	0.5441	4.1	336.790
Be 313.042	0.1159	ppb	0.0095	8.2	-3192.43
Ca 370.602	4898	ppb	8.592	0.2	24398
Cd 226.502	0.0618	ppb	0.1647	266.3	28.7050
Co 228.615	1.0013	ppb	0.3177	31.7	-6.9019
Cr 267.716	0.0753	ppb	0.1518	201.6	3.8162
Cu 324.754	1.0386	ppb	0.0991	9.5	267.699
Fe 271.441	-2.7306	ppb	2.0628	75.5	41.9450
K 766.491	1163.17	ppb	2.3479	0.2	161054
Mg 279.078	3498.75	ppb	0.1300	0.0	9865.54
Mn 257.610	8.3252	ppb	0.0094	0.1	1581.43
Mo 202.032	0.3762	ppb	0.2401	63.8	9.2144
Na 330.237	66641.3	ppb	114.422	0.2	4590.28
Ni 231.604	4.4631	ppb	0.8260	18.5	21.8630
Pb 220.353	-1.3068	ppb	2.0062	153.5	0.1276
Sb 206.834	-3.3454	ppb	1.7558	52.5	4.7761
Se 196.026	-4.2002	ppb	4.5638	108.7	5.8129
Sn 189.925	1.8813	ppb	1.9586	104.1	-8.4376
Sr 216.596	22.9101	ppb	0.3041	1.3	258.858
Ti 334.941	0.1087	ppb	0.0170	15.7	-33.3701
Tl 190.794	-0.2444	ppb	1.6685	682.6	-10.6742
V 292.401	0.1442	ppb	0.0593	41.1	14.2786
Zn 206.200	1.3565	ppb	0.8636	63.7	5.8784

640-48216-C-1-A (Samp) **6/18/2014, 3:19:20 AM** **Rack 3, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	-1.4994u	-1.0291u	-1.0346u
Al 308.215	652675	654475	654462
As 188.980	0.2471	-0.8976u	4.2918
B 249.678	63.3910	62.7963	63.8686
Ba 389.178	4.4690	3.9039	4.0660
Be 313.042	2.4098	2.4256	2.4177
Ca 370.602	500836	501662	501814
Cd 226.502	1.9204	1.9987	1.6934
Co 228.615	11.9237	11.6447	11.9139
Cr 267.716	74.1840	74.8678	74.7002
Cu 324.754	-2.3177u	-1.8725u	-2.2917u
Fe 271.441	11856.1	11881.5	11869.3
K 766.491	3715.15	3711.28	3702.47
Mg 279.078	40207.6	40263.1	40299.9
Mn 257.610	212.726	212.861	212.853
Mo 202.032	2.5132	-0.5365u	0.7973
Na 330.237	17191.4	17267.3	17275.7
Ni 231.604	70.2941	70.5304	70.4209
Pb 220.353	2.8752u	6.3012u	5.5139u
Sb 206.834	6.9571	4.1729	3.8188
Se 196.026	2.5323	-3.2912	6.9497
Sn 189.925	1.2758	7.6773	10.1211
Sr 216.596	687.138	687.584	684.806
Ti 334.941	0.7589	0.7346	0.7260
Tl 190.794	-10.4117u	-18.0232u	-12.1231u
V 292.401	1.9360	1.8413	1.6820
Zn 206.200	84.6289	84.1985	83.4644

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1877	ppb	0.2700	22.7	-100.822
Al 308.215	653871	ppb	1035.68	0.2	4479854
As 188.980	1.2138	ppb	2.7264	224.6	-4.3278
B 249.678	63.3519	ppb	0.5372	0.8	1145.04
Ba 389.178	4.1463	ppb	0.2910	7.0	232.358
Be 313.042	2.4177	ppb	0.0079	0.3	4384.78
Ca 370.602	501437	ppb	526.1	0.1	2499490
Cd 226.502	1.8708	ppb	0.1585	8.5	147.537
Co 228.615	11.8275	ppb	0.1583	1.3	107.178
Cr 267.716	74.5840	ppb	0.3564	0.5	2633.38
Cu 324.754	-2.1606	ppb	0.2498	11.6	-455.324
Fe 271.441	11869.0	ppb	12.6840	0.1	15170.9
K 766.491	3709.64	ppb	6.4977	0.2	508877
Mg 279.078	40256.9	ppb	46.4715	0.1	113071
Mn 257.610	212.813	ppb	0.0758	0.0	39712.3
Mo 202.032	0.9246	ppb	1.5288	165.3	12.0942
Na 330.237	17244.8	ppb	46.4090	0.3	1256.90
Ni 231.604	70.4151	ppb	0.1183	0.2	276.947
Pb 220.353	4.8968	ppb	1.7944	36.6	-29.9057
Sb 206.834	4.9829	ppb	1.7188	34.5	14.5341
Se 196.026	2.0636	ppb	5.1365	248.9	12.3988

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	6.3581	ppb	4.5679	71.8	-4.8995
Sr 216.596	686.509	ppb	1.4917	0.2	7686.14
Ti 334.941	0.7398	ppb	0.0171	2.3	409.940
Tl 190.794	-13.5193	ppb	3.9933	29.5	-30.0048
V 292.401	1.8198	ppb	0.1284	7.1	78.0286
Zn 206.200	84.0972	ppb	0.5888	0.7	273.915

640-48216-C-2-A (Samp) **6/18/2014, 3:24:00 AM** **Rack 3, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-0.7511u	-0.9055u	-0.3389u
Al 308.215	272565	272734	272793
As 188.980	8.7112	-5.2525u	10.1136
B 249.678	50.7010	51.0990	51.5209
Ba 389.178	15.3165	15.7598	16.5256
Be 313.042	2.2641	2.2724	2.2760
Ca 370.602	235005	234455	235586
Cd 226.502	0.6860	0.5743	0.6968
Co 228.615	4.2352	3.9773	3.7811
Cr 267.716	44.6725	44.5505	44.0543
Cu 324.754	-0.2481u	-0.9399u	-0.6650u
Fe 271.441	16121.6	16071.9	16151.3
K 766.491	1764.76	1758.03	1754.73
Mg 279.078	15909.9	15906.7	15948.5
Mn 257.610	96.0300	96.0002	95.9415
Mo 202.032	0.8621	0.9271	1.3258
Na 330.237	13874.9	13723.7	13551.1
Ni 231.604	40.2078	40.6894	41.7963
Pb 220.353	4.7872u	-0.6879u	2.7800u
Sb 206.834	-5.8644u	-3.7630u	-9.2402u
Se 196.026	14.0855	-4.7757u	-1.7209
Sn 189.925	-4.1346u	3.5935	2.8395
Sr 216.596	550.378	551.577	550.903
Ti 334.941	0.4629	0.5354	0.5100
Tl 190.794	-9.8867u	-7.0407u	-0.0703u
V 292.401	6.2803	6.5151	6.4013
Zn 206.200	42.2968	43.7246	42.4577

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6652	ppb	0.2929	44.0	-71.6310
Al 308.215	272697	ppb	118.006	0.0	1868558
As 188.980	4.5241	ppb	8.4958	187.8	-2.2291
B 249.678	51.1070	ppb	0.4100	0.8	934.794
Ba 389.178	15.8673	ppb	0.6117	3.9	483.433
Be 313.042	2.2708	ppb	0.0061	0.3	3724.64
Ca 370.602	235015	ppb	565.6	0.2	1171267
Cd 226.502	0.6523	ppb	0.0678	10.4	111.625
Co 228.615	3.9979	ppb	0.2277	5.7	25.4494
Cr 267.716	44.4258	ppb	0.3274	0.7	1567.87
Cu 324.754	-0.6177	ppb	0.3483	56.4	-77.0611
Fe 271.441	16114.9	ppb	40.1505	0.2	20581.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	1759.18	ppb	5.1097	0.3	242463
Mg 279.078	15921.7	ppb	23.2486	0.1	44713.9
Mn 257.610	95.9906	ppb	0.0450	0.0	17934.9
Mo 202.032	1.0383	ppb	0.2511	24.2	12.4871
Na 330.237	13716.6	ppb	161.987	1.2	1017.28
Ni 231.604	40.8978	ppb	0.8145	2.0	163.197
Pb 220.353	2.2931	ppb	2.7698	120.8	-11.1056
Sb 206.834	-6.2892	ppb	2.7632	43.9	1.8865
Se 196.026	2.5296	ppb	10.1235	400.2	10.8895
Sn 189.925	0.7661	ppb	4.2609	556.2	-9.3383
Sr 216.596	550.953	ppb	0.6010	0.1	6122.69
Ti 334.941	0.5028	ppb	0.0368	7.3	208.253
Tl 190.794	-5.6659	ppb	5.0505	89.1	-19.3046
V 292.401	6.3989	ppb	0.1174	1.8	277.183
Zn 206.200	42.8263	ppb	0.7820	1.8	140.541

640-48216-C-3-A (Samp) **6/18/2014, 3:28:39 AM** **Rack 3, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-0.1988u	-0.7410u	-0.4648u
Al 308.215	187944	187872	187989
As 188.980	-7.3199u	-6.9905u	-13.5539u
B 249.678	21.3652	22.0207	20.9187
Ba 389.178	13.3422	12.1922	12.9778
Be 313.042	0.9032	0.9051	0.8997
Ca 370.602	336506	335433	335666
Cd 226.502	0.4619	0.6213	0.7467
Co 228.615	2.2569	2.4803	2.0832
Cr 267.716	4.5451	4.0459	4.3897
Cu 324.754	2.3783u	1.6453u	2.3482u
Fe 271.441	3531.00	3540.09	3533.23
K 766.491	471.036	470.108	469.918
Mg 279.078	7732.22	7732.44	7723.90
Mn 257.610	35.1738	35.2907	35.2456
Mo 202.032	1.6940	0.9724	0.9882
Na 330.237	8637.88	8704.61	8641.60
Ni 231.604	11.1838	11.4199	11.7450
Pb 220.353	-0.2276u	5.2432u	0.2404u
Sb 206.834	-1.5939u	-9.2472u	-7.1301u
Se 196.026	3.3408	-11.0049u	-12.6415u
Sn 189.925	1.7379	2.3388	0.8207
Sr 216.596	230.990	231.292	231.394
Ti 334.941	0.7115	0.6608	0.7293
Tl 190.794	-7.2385u	-13.2265u	-13.5259u
V 292.401	0.7138	0.9273	0.9762
Zn 206.200	15.1604	15.3634	14.5098

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4682	ppb	0.2711	57.9	-59.1367
Al 308.215	187935	ppb	59.2089	0.0	1287878
As 188.980	-9.2881	ppb	3.6979	39.8	-11.0351

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	21.4349	ppb	0.5543	2.6	444.224
Ba 389.178	12.8374	ppb	0.5877	4.6	345.332
Be 313.042	0.9027	ppb	0.0028	0.3	-512.997
Ca 370.602	335868	ppb	564.2	0.2	1674261
Cd 226.502	0.6100	ppb	0.1428	23.4	64.6427
Co 228.615	2.2735	ppb	0.1991	8.8	6.6240
Cr 267.716	4.3269	ppb	0.2555	5.9	154.303
Cu 324.754	2.1239	ppb	0.4148	19.5	-35.9864
Fe 271.441	3534.77	ppb	4.7366	0.1	4549.97
K 766.491	470.354	ppb	0.5982	0.1	66422.2
Mg 279.078	7729.52	ppb	4.8647	0.1	21738.6
Mn 257.610	35.2367	ppb	0.0589	0.2	6603.44
Mo 202.032	1.2182	ppb	0.4121	33.8	15.2523
Na 330.237	8661.37	ppb	37.4985	0.4	683.114
Ni 231.604	11.4496	ppb	0.2818	2.5	49.0586
Pb 220.353	1.7520	ppb	3.0325	173.1	-6.6834
Sb 206.834	-5.9904	ppb	3.9519	66.0	1.8818
Se 196.026	-6.7685	ppb	8.7931	129.9	6.9871
Sn 189.925	1.6325	ppb	0.7645	46.8	-8.6522
Sr 216.596	231.225	ppb	0.2101	0.1	2647.87
Ti 334.941	0.7005	ppb	0.0355	5.1	267.018
Tl 190.794	-11.3303	ppb	3.5468	31.3	-21.5809
V 292.401	0.8724	ppb	0.1395	16.0	44.5263
Zn 206.200	15.0112	ppb	0.4459	3.0	50.1967

640-48216-C-4-A (Samp) **6/18/2014, 3:33:18 AM** **Rack 3, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.6743u	-0.6901u	-0.2329u
Al 308.215	354581	354211	354162
As 188.980	-8.1496u	11.1693	1.7508
B 249.678	43.3871	43.0102	42.8931
Ba 389.178	11.3315	10.3588	10.5974
Be 313.042	1.7485	1.7506	1.7588
Ca 370.602	339063	338799	339459
Cd 226.502	0.7105	0.7625	0.7814
Co 228.615	5.6804	5.9745	5.2119
Cr 267.716	42.5923	42.4286	43.0259
Cu 324.754	-0.4724u	-0.5194u	-0.8714u
Fe 271.441	14172.7	14157.4	14178.0
K 766.491	1836.16	1833.04	1831.75
Mg 279.078	20332.5	20268.7	20251.4
Mn 257.610	108.253	107.990	108.089
Mo 202.032	1.0578	0.5399	1.6344
Na 330.237	12595.5	12626.0	12706.6
Ni 231.604	39.8377	38.1737	39.6240
Pb 220.353	5.4369u	1.6215u	6.1646u
Sb 206.834	2.2309	-12.9073u	1.0837
Se 196.026	2.8288	-6.3116u	0.3328
Sn 189.925	3.1136	-0.6738u	2.1324
Sr 216.596	464.558	463.187	463.629

Label	Replicates Concentration		
Ti 334.941	1.1936	1.2167	1.2231
Tl 190.794	-7.4092u	-9.6026u	-5.0998u
V 292.401	5.4001	5.9770	5.6019
Zn 206.200	43.6634	43.1638	43.9181

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5325	ppb	0.2595	48.7	-63.3355
Al 308.215	354318	ppb	229.050	0.1	2427717
As 188.980	1.5901	ppb	9.6605	607.5	-4.1067
B 249.678	43.0968	ppb	0.2581	0.6	801.203
Ba 389.178	10.7626	ppb	0.5069	4.7	353.785
Be 313.042	1.7526	ppb	0.0054	0.3	2173.33
Ca 370.602	339107	ppb	332.1	0.1	1690211
Cd 226.502	0.7515	ppb	0.0367	4.9	108.953
Co 228.615	5.6223	ppb	0.3846	6.8	42.3532
Cr 267.716	42.6823	ppb	0.3086	0.7	1507.02
Cu 324.754	-0.6211	ppb	0.2181	35.1	-191.725
Fe 271.441	14169.4	ppb	10.6955	0.1	18102.0
K 766.491	1833.65	ppb	2.2672	0.1	252635
Mg 279.078	20284.2	ppb	42.7270	0.2	56970.9
Mn 257.610	108.111	ppb	0.1330	0.1	20204.7
Mo 202.032	1.0773	ppb	0.5475	50.8	12.9971
Na 330.237	12642.7	ppb	57.4093	0.5	945.882
Ni 231.604	39.2118	ppb	0.9054	2.3	156.651
Pb 220.353	4.4077	ppb	2.4402	55.4	-12.8886
Sb 206.834	-3.1976	ppb	8.4284	263.6	5.2721
Se 196.026	-1.0500	ppb	4.7245	449.9	9.9140
Sn 189.925	1.5240	ppb	1.9656	129.0	-8.7371
Sr 216.596	463.791	ppb	0.7002	0.2	5201.56
Ti 334.941	1.2111	ppb	0.0155	1.3	546.042
Tl 190.794	-7.3706	ppb	2.2516	30.5	-21.5581
V 292.401	5.6597	ppb	0.2927	5.2	244.743
Zn 206.200	43.5818	ppb	0.3837	0.9	142.928

640-48216-C-5-A (Samp) **6/18/2014, 3:37:58 AM** **Rack 3, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	-0.8897u	-1.0277u	-1.3397u
Al 308.215	870718x	873457x	871157x
As 188.980	-18.2112u	2.6338	0.3839u
B 249.678	47.5643	47.1554	46.7998
Ba 389.178	0.9961	0.7290	0.9403
Be 313.042	3.7178	3.7348	3.7203
Ca 370.602	430541	432731	430459
Cd 226.502	3.0087	2.8341	2.8981
Co 228.615	13.3592	12.5775	12.3606
Cr 267.716	314.510	315.200	315.104
Cu 324.754	-2.2693u	-1.2832u	-2.2016u
Fe 271.441	38690.8	38745.2	38674.7
K 766.491	1655.10	1656.11	1650.90
Mg 279.078	49604.4	49681.2	49580.1

Label	Replicates Concentration		
Mn 257.610	205.514	205.930	205.596
Mo 202.032	1.0059	2.0680	1.6177
Na 330.237	10230.4	10598.2	10574.0
Ni 231.604	74.2676	73.8008	72.0290
Pb 220.353	25.3784u	26.2817u	33.8238u
Sb 206.834	-0.3433	3.8180	12.8628
Se 196.026	-5.0929	10.3089	-4.8700
Sn 189.925	-8.0092u	3.6395	-0.4399u
Sr 216.596	532.809	535.153	533.223
Ti 334.941	0.6486	0.6661	0.7418
Tl 190.794	-18.6267u	-14.6468u	-16.7351u
V 292.401	29.5350	29.5467	29.7729
Zn 206.200	71.2035	68.6234	69.6207

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0857b	ppb	0.2306	21.2	-96.8004
Al 308.215	871777xb	ppb	1471.36	0.2	5972666
As 188.980	-5.0645b	ppb	11.4408	225.9	-8.6346
B 249.678	47.1732b	ppb	0.3826	0.8	850.181
Ba 389.178	0.8885b	ppb	0.1409	15.9	235.170
Be 313.042	3.7243b	ppb	0.0092	0.2	8478.52
Ca 370.602	431244b	ppb	1289	0.3	2149076
Cd 226.502	2.9136b	ppb	0.0883	3.0	287.493
Co 228.615	12.7658b	ppb	0.5252	4.1	118.618
Cr 267.716	314.938b	ppb	0.3734	0.1	11103.9
Cu 324.754	-1.9180b	ppb	0.5509	28.7	-365.054
Fe 271.441	38703.6b	ppb	36.9342	0.1	49365.7
K 766.491	1654.04b	ppb	2.7617	0.2	228102
Mg 279.078	49621.9b	ppb	52.7550	0.1	139303
Mn 257.610	205.680b	ppb	0.2202	0.1	38539.6
Mo 202.032	1.5639b	ppb	0.5331	34.1	13.9963
Na 330.237	10467.5b	ppb	205.685	2.0	787.134
Ni 231.604	73.3658b	ppb	1.1810	1.6	289.732
Pb 220.353	28.4946b	ppb	4.6372	16.3	-9.1310
Sb 206.834	5.4458b	ppb	6.7518	124.0	16.9779
Se 196.026	0.1153b	ppb	8.8286	7655.7	11.7263
Sn 189.925	-1.6032b	ppb	5.9109	368.7	-11.2196
Sr 216.596	533.728b	ppb	1.2511	0.2	6019.17
Ti 334.941	0.6855b	ppb	0.0495	7.2	433.464
Tl 190.794	-16.6695b	ppb	1.9908	11.9	-36.8511
V 292.401	29.6182b	ppb	0.1341	0.5	1227.19
Zn 206.200	69.8159b	ppb	1.3010	1.9	227.680

640-48216-C-6-A (Samp) **6/18/2014, 3:42:38 AM** **Rack 3, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	-0.9607u	-1.1872u	-1.0656u
Al 308.215	541140	542146	542174
As 188.980	0.5047	-2.4091u	3.6223
B 249.678	48.0490	47.2494	47.7538
Ba 389.178	8.8647	8.4194	7.0031

Label	Replicates Concentration		
Be 313.042	2.4126	2.4304	2.4162
Ca 370.602	395806	396303	395435
Cd 226.502	1.2585	1.6935	1.2844
Co 228.615	8.1428	7.7610	6.9448
Cr 267.716	111.644	112.140	111.356
Cu 324.754	-2.5510u	-1.8323u	-1.7255u
Fe 271.441	17815.8	17846.1	17851.4
K 766.491	1993.67	1991.61	1989.99
Mg 279.078	29664.6	29729.3	29709.8
Mn 257.610	144.768	144.796	144.856
Mo 202.032	0.8287	1.8524	1.8747
Na 330.237	13292.8	13267.1	13407.3
Ni 231.604	51.5231	51.2185	49.6758
Pb 220.353	9.8962u	16.0862u	12.8405u
Sb 206.834	4.2799	3.7060	8.4414
Se 196.026	8.6613	-12.6654u	-1.2413
Sn 189.925	2.3702	3.6917	-3.3485u
Sr 216.596	527.948	528.482	529.024
Ti 334.941	0.6977	0.7304	0.6862
Tl 190.794	0.0119u	-18.3982u	-11.9500u
V 292.401	9.2810	9.5173	9.2111
Zn 206.200	55.0758	54.6756	54.0827

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0712	ppb	0.1134	10.6	-95.0026
Al 308.215	541820	ppb	589.551	0.1	3712232
As 188.980	0.5727	ppb	3.0163	526.7	-4.7981
B 249.678	47.6841	ppb	0.4044	0.8	875.732
Ba 389.178	8.0957	ppb	0.9721	12.0	319.847
Be 313.042	2.4197	ppb	0.0094	0.4	4320.49
Ca 370.602	395848	ppb	435.4	0.1	1973004
Cd 226.502	1.4121	ppb	0.2440	17.3	149.822
Co 228.615	7.6162	ppb	0.6120	8.0	63.4321
Cr 267.716	111.713	ppb	0.3966	0.4	3940.78
Cu 324.754	-2.0363	ppb	0.4490	22.0	-332.514
Fe 271.441	17837.8	ppb	19.1988	0.1	22776.5
K 766.491	1991.76	ppb	1.8450	0.1	274231
Mg 279.078	29701.2	ppb	33.2042	0.1	83409.2
Mn 257.610	144.807	ppb	0.0448	0.0	27072.8
Mo 202.032	1.5186	ppb	0.5976	39.4	15.9589
Na 330.237	13322.4	ppb	74.6657	0.6	989.816
Ni 231.604	50.8058	ppb	0.9904	1.9	201.609
Pb 220.353	12.9410	ppb	3.0962	23.9	-11.7517
Sb 206.834	5.4758	ppb	2.5843	47.2	15.3663
Se 196.026	-1.7485	ppb	10.6724	610.4	10.0824
Sn 189.925	0.9045	ppb	3.7420	413.7	-9.2286
Sr 216.596	528.485	ppb	0.5378	0.1	5930.61
Ti 334.941	0.7048	ppb	0.0229	3.3	358.309
Tl 190.794	-10.1121	ppb	9.3416	92.4	-26.3391
V 292.401	9.3365	ppb	0.1604	1.7	391.921
Zn 206.200	54.6114	ppb	0.4997	0.9	178.505

640-48216-C-7-A (Samp) **6/18/2014, 3:47:17 AM** **Rack 3, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2338	0.3167	0.3107
Al 308.215	352.547	345.122	337.822
As 188.980	4.9685	-2.6727u	3.9200
B 249.678	9.9098	8.7590	9.1794
Ba 389.178	11.9133	12.0213	12.1475
Be 313.042	0.1500	0.1355	0.1226
Ca 370.602	485.5	477.6	471.0
Cd 226.502	0.0736	0.0449	0.1928
Co 228.615	0.6388	0.0830	-0.0212u
Cr 267.716	0.2124	0.3354	0.2504
Cu 324.754	0.4417	0.5530	0.7815
Fe 271.441	267.473	261.649	272.639
K 766.491	737.817	747.013	745.794
Mg 279.078	339.974	344.766	344.931
Mn 257.610	1.8936	1.9483	1.9243
Mo 202.032	0.5643	0.4826	-0.0943u
Na 330.237	3315.25	3148.02	3381.18
Ni 231.604	-0.1442u	0.9825	1.7618
Pb 220.353	1.9834	4.0870	0.5247
Sb 206.834	-2.7418u	-3.6290u	0.7621
Se 196.026	-3.2857u	-7.4577u	-2.1413u
Sn 189.925	2.3315	2.4767	1.9384
Sr 216.596	6.2207	6.0241	6.3659
Ti 334.941	0.8431	0.7535	0.8017
Tl 190.794	-2.8133u	-2.1677u	-0.9849u
V 292.401	0.1898	0.2882	0.2312
Zn 206.200	0.5101	1.1945	0.8166

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2870	ppb	0.0462	16.1	-14.2601
Al 308.215	345.164	ppb	7.3625	2.1	2759.86
As 188.980	2.0719	ppb	4.1423	199.9	-3.6655
B 249.678	9.2827	ppb	0.5823	6.3	241.843
Ba 389.178	12.0274	ppb	0.1173	1.0	291.813
Be 313.042	0.1360	ppb	0.0137	10.1	-3120.94
Ca 370.602	478.0	ppb	7.280	1.5	2361
Cd 226.502	0.1038	ppb	0.0784	75.6	31.7143
Co 228.615	0.2335	ppb	0.3548	151.9	-14.9098
Cr 267.716	0.2660	ppb	0.0630	23.7	9.8202
Cu 324.754	0.5921	ppb	0.1732	29.3	247.803
Fe 271.441	267.254	ppb	5.4979	2.1	385.924
K 766.491	743.541	ppb	4.9948	0.7	103737
Mg 279.078	343.224	ppb	2.8152	0.8	1002.51
Mn 257.610	1.9221	ppb	0.0274	1.4	374.449
Mo 202.032	0.3175	ppb	0.3590	113.1	8.7373
Na 330.237	3281.48	ppb	120.191	3.7	322.409
Ni 231.604	0.8667	ppb	0.9583	110.6	8.0166
Pb 220.353	2.1984	ppb	1.7908	81.5	5.1483
Sb 206.834	-1.8696	ppb	2.3219	124.2	6.4023
Se 196.026	-4.2949	ppb	2.7982	65.2	5.7454

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	2.2489	ppb	0.2785	12.4	-8.1646
Sr 216.596	6.2036	ppb	0.1716	2.8	75.1586
Ti 334.941	0.7994	ppb	0.0449	5.6	276.873
Tl 190.794	-1.9886	ppb	0.9273	46.6	-11.9762
V 292.401	0.2364	ppb	0.0494	20.9	18.8672
Zn 206.200	0.8404	ppb	0.3428	40.8	4.2157

Cont Calib Verif (CCV) **6/18/2014, 3:51:57 AM** **Rack 3, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	482.362	484.731	485.305
Al 308.215	4737.77	4737.68	4748.17
As 188.980	468.897	466.118	469.757
B 249.678	473.173	474.546	476.546
Ba 389.178	4841.96	4838.57	4851.62
Be 313.042	481.470	481.552	483.452
Ca 370.602	4891	4888	4893
Cd 226.502	483.324	482.993	483.572
Co 228.615	486.933	486.718	487.084
Cr 267.716	4815.73	4814.93	4821.57
Cu 324.754	4946.22	4969.25	4884.61
Fe 271.441	4806.24	4795.39	4819.58
K 766.491	9699.64	9699.15	9741.68
Mg 279.078	4763.99	4761.73	4788.09
Mn 257.610	4887.71	4899.07	4891.38
Mo 202.032	485.471	484.375	484.673
Na 330.237	7037.82	7095.82	7117.14
Ni 231.604	2421.53	2404.47	2407.91
Pb 220.353	488.911	484.862	484.719
Sb 206.834	940.627	941.196	949.526
Se 196.026	4833.46	4803.07	4864.46
Sn 189.925	4836.54	4832.82	4801.74
Sr 216.596	2348.45	2349.17	2349.78
Ti 334.941	478.511	478.390	479.143
Tl 190.794	4878.75	4877.24	4891.71
V 292.401	4829.47	4832.80	4836.81
Zn 206.200	2408.78	2398.49	2399.91

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	484.133	ppb	1.5597	0.3	28774.0	96.82652
Al 308.215	4741.21	ppb	6.0323	0.1	33206.5	94.82418
As 188.980	468.257	ppb	1.9022	0.4	297.632	93.65147
B 249.678	474.755	ppb	1.6961	0.4	8108.95	94.95097
Ba 389.178	4844.05	ppb	6.7710	0.1	132301	96.88103
Be 313.042	482.158	ppb	1.1212	0.2	1505998	96.43156
Ca 370.602	4891	ppb	2.354	0.0	24412	97.81578
Cd 226.502	483.296	ppb	0.2908	0.1	20245.3	96.65926
Co 228.615	486.912	ppb	0.1839	0.0	5077.73	97.38237
Cr 267.716	4817.41	ppb	3.6249	0.1	169695	96.34812
Cu 324.754	4933.36	ppb	43.7602	0.9	273417	98.66727
Fe 271.441	4807.07	ppb	12.1163	0.3	6241.24	96.14138

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9713.49	ppb	24.4146	0.3	1328944	97.13488
Mg 279.078	4771.27	ppb	14.6104	0.3	13426.8	95.42537
Mn 257.610	4892.72	ppb	5.7971	0.1	904835	97.85445
Mo 202.032	484.839	ppb	0.5670	0.1	3703.90	96.96790
Na 330.237	7083.59	ppb	41.0491	0.6	559.516	94.44789
Ni 231.604	2411.30	ppb	9.0226	0.4	9297.35	96.45201
Pb 220.353	486.164	ppb	2.3801	0.5	703.819	97.23277
Sb 206.834	943.783	ppb	4.9821	0.5	1075.43	94.37830
Se 196.026	4833.66	ppb	30.6968	0.6	2218.48	96.67321
Sn 189.925	4823.70	ppb	19.1049	0.4	3818.12	96.47398
Sr 216.596	2349.13	ppb	0.6638	0.0	25577.8	93.96535
Ti 334.941	478.681	ppb	0.4046	0.1	216005	95.73627
Tl 190.794	4882.57	ppb	7.9581	0.2	3577.50	97.65131
V 292.401	4833.03	ppb	3.6747	0.1	200767	96.66051
Zn 206.200	2402.39	ppb	5.5810	0.2	7762.24	96.09568

Cont Calib Blank (CCB) **6/18/2014, 3:56:36 AM** **Rack 3, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	-0.3123u	0.2449	0.5634
Al 308.215	-2.6864u	-6.8117u	-3.4334u
As 188.980	0.9013	2.5998	-1.5525u
B 249.678	2.2378	1.3185	1.5278
Ba 389.178	0.5439	0.8862	1.0415
Be 313.042	0.1803	0.1752	0.1634
Ca 370.602	3.363	2.597	2.000
Cd 226.502	0.1890	0.0048	0.0582
Co 228.615	-0.0407u	0.5849	0.1178
Cr 267.716	0.4151	0.0523	0.3374
Cu 324.754	0.7269	0.7067	0.6460
Fe 271.441	4.7884	2.8871	-0.1151u
K 766.491	-0.0608u	-0.2327u	-0.4305u
Mg 279.078	-0.2206u	0.7120	3.4466
Mn 257.610	0.5134	0.4335	0.3693
Mo 202.032	0.0460	0.1827	0.4655
Na 330.237	24.5753	-203.967u	-40.0586u
Ni 231.604	0.9313	1.4395	0.1159
Pb 220.353	0.5795	0.2023	1.8940
Sb 206.834	-0.3260u	-0.9971u	0.2330
Se 196.026	-3.4742u	4.5842	-3.1850u
Sn 189.925	1.5768	-0.2324u	2.5647
Sr 216.596	-0.3102u	-0.0322u	0.1323
Ti 334.941	0.1427	0.1582	0.0774
Tl 190.794	-0.0239u	-0.9348u	-2.7815u
V 292.401	0.3705	0.4469	0.4000
Zn 206.200	0.4486	0.5448	0.5531

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1653	ppb	0.4432	268.1	-21.4652	0.16531
Al 308.215	-4.3105	ppb	2.1981	51.0	365.725	-4.31051
As 188.980	0.6496	ppb	2.0876	321.4	-4.5820	0.64955

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	1.6947	ppb	0.4819	28.4	114.014	1.69472
Ba 389.178	0.8239	ppb	0.2546	30.9	-15.8889	0.82387
Be 313.042	0.1730	ppb	0.0086	5.0	-3005.12	0.17296
Ca 370.602	2.653	ppb	0.6830	25.7	-4.525	2.65338
Cd 226.502	0.0840	ppb	0.0948	112.8	29.9539	0.08403
Co 228.615	0.2206	ppb	0.3253	147.4	-15.0723	0.22064
Cr 267.716	0.2683	ppb	0.1910	71.2	9.8577	0.26826
Cu 324.754	0.6932	ppb	0.0421	6.1	253.937	0.69317
Fe 271.441	2.5201	ppb	2.4723	98.1	48.5931	2.52014
K 766.491	-0.2413	ppb	0.1850	76.7	2143.42	-0.24134
Mg 279.078	1.3127	ppb	1.9059	145.2	42.9287	1.31266
Mn 257.610	0.4388	ppb	0.0722	16.5	96.8202	0.43876
Mo 202.032	0.2314	ppb	0.2140	92.5	8.1090	0.23141
Na 330.237	-73.1502	ppb	117.810	161.1	96.5966	-73.15022
Ni 231.604	0.8289	ppb	0.6677	80.6	7.8582	0.82894
Pb 220.353	0.8919	ppb	0.8881	99.6	3.2931	0.89192
Sb 206.834	-0.3633	ppb	0.6159	169.5	8.0621	-0.36334
Se 196.026	-0.6917	ppb	4.5714	660.9	7.3822	-0.69168
Sn 189.925	1.3030	ppb	1.4185	108.9	-8.9162	1.30303
Sr 216.596	-0.0700	ppb	0.2237	319.4	6.1440	-0.07002
Ti 334.941	0.1261	ppb	0.0429	34.0	-27.7067	0.12609
Tl 190.794	-1.2467	ppb	1.4051	112.7	-11.4116	-1.24673
V 292.401	0.4058	ppb	0.0385	9.5	25.8308	0.40577
Zn 206.200	0.5155	ppb	0.0581	11.3	3.1546	0.51549

640-48216-C-8-A (Samp) **6/18/2014, 4:01:16 AM** **Rack 3, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.2596	0.1421	0.4389
Al 308.215	138.432	137.516	136.415
As 188.980	3.1602	-3.6325u	-5.9260u
B 249.678	10.8024	10.7877	11.3707
Ba 389.178	63.1858	63.3879	63.5626
Be 313.042	0.0913	0.1078	0.0963
Ca 370.602	73210	73160	73202
Cd 226.502	0.0571	-0.0956u	-0.0725u
Co 228.615	0.2642	-0.4354u	-0.0871u
Cr 267.716	0.3975	0.3141	0.5131
Cu 324.754	-0.7198u	0.3978u	-0.1303u
Fe 271.441	154.245	149.031	152.673
K 766.491	1619.18	1613.04	1616.89
Mg 279.078	169.895	166.877	161.775
Mn 257.610	7.4432	7.3158	7.3573
Mo 202.032	1.6608	1.3612	1.5808
Na 330.237	4487.52	4118.44	4320.13
Ni 231.604	0.5255	-0.1710u	-0.5624u
Pb 220.353	3.2551	0.2368	2.1377
Sb 206.834	-3.8544u	-3.6101u	-11.2299u
Se 196.026	-2.7798u	-17.0639u	-0.1975
Sn 189.925	0.2738	1.0636	-4.4828u
Sr 216.596	641.400	640.764	643.299

Label	Replicates Concentration		
Ti 334.941	0.2547	0.2704	0.2630
Tl 190.794	-3.3173u	-6.5902u	-2.2322u
V 292.401	1.1844	1.2084	1.1421
Zn 206.200	3.4371	3.9688	3.0270

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2802	ppb	0.1495	53.3	-14.7201
Al 308.215	137.454	ppb	1.0102	0.7	1337.06
As 188.980	-2.1327	ppb	4.7251	221.6	-6.3806
B 249.678	10.9869	ppb	0.3324	3.0	270.695
Ba 389.178	63.3788	ppb	0.1886	0.3	1693.50
Be 313.042	0.0985	ppb	0.0084	8.6	-3199.03
Ca 370.602	73190	ppb	26.61	0.0	364842
Cd 226.502	-0.0370	ppb	0.0823	222.5	25.4265
Co 228.615	-0.0861	ppb	0.3498	406.2	-18.3052
Cr 267.716	0.4082	ppb	0.0999	24.5	14.8294
Cu 324.754	-0.1508	ppb	0.5591	370.9	126.738
Fe 271.441	151.983	ppb	2.6747	1.8	239.037
K 766.491	1616.37	ppb	3.1071	0.2	222957
Mg 279.078	166.183	ppb	4.1041	2.5	505.569
Mn 257.610	7.3721	ppb	0.0650	0.9	1381.33
Mo 202.032	1.5343	ppb	0.1551	10.1	18.0368
Na 330.237	4308.70	ppb	184.807	4.3	391.654
Ni 231.604	-0.0693	ppb	0.5510	795.2	4.4042
Pb 220.353	1.8765	ppb	1.5260	81.3	4.6981
Sb 206.834	-6.2315	ppb	4.3305	69.5	1.5755
Se 196.026	-6.6804	ppb	9.0846	136.0	5.1477
Sn 189.925	-1.0485	ppb	3.0003	286.2	-10.7810
Sr 216.596	641.821	ppb	1.3186	0.2	7049.77
Ti 334.941	0.2627	ppb	0.0078	3.0	33.9708
Tl 190.794	-4.0466	ppb	2.2687	56.1	-13.4756
V 292.401	1.1783	ppb	0.0335	2.8	57.6224
Zn 206.200	3.4776	ppb	0.4722	13.6	12.7508

640-48216-C-9-A (Samp) **6/18/2014, 4:05:55 AM** **Rack 3, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	0.2969	0.1398	0.1620
Al 308.215	5077.72	5083.40	5082.02
As 188.980	-0.8162u	4.7167	4.8350
B 249.678	29.4316	28.8669	28.9574
Ba 389.178	-2.4635u	-1.8815	-1.6043
Be 313.042	0.1636	0.1450	0.1496
Ca 370.602	49235	49189	49159
Cd 226.502	-0.0531	-0.1380u	-0.0624
Co 228.615	0.4858	0.4947	1.0842
Cr 267.716	0.7937	0.5137	0.4484
Cu 324.754	0.2853u	0.4738u	0.5493u
Fe 271.441	1243.93	1243.14	1241.36
K 766.491	736.161	736.130	737.528
Mg 279.078	17090.3	17065.0	17070.6

Label	Replicates Concentration		
Mn 257.610	13.2943	13.3107	13.3206
Mo 202.032	-0.1326u	-0.1126u	0.3061
Na 330.237	6013.59	6044.06	5806.65
Ni 231.604	6.9093	4.9014	5.6421
Pb 220.353	-0.5190u	1.1173	0.6137
Sb 206.834	-4.1477u	-5.7969u	-4.0433u
Se 196.026	-7.1327u	-1.5422u	5.6549
Sn 189.925	-4.6256u	3.1713	0.1858
Sr 216.596	107.689	107.530	107.145
Ti 334.941	0.1891	0.1466	0.1481
Tl 190.794	-2.7556u	-2.4500u	-9.5341u
V 292.401	0.3734	0.3398	0.4125
Zn 206.200	3.8284	4.6579	4.2864

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1996	ppb	0.0850	42.6	-19.7627
Al 308.215	5081.04	ppb	2.9638	0.1	35203.9
As 188.980	2.9118	ppb	3.2291	110.9	-3.1320
B 249.678	29.0853	ppb	0.3033	1.0	575.255
Ba 389.178	-1.9831	ppb	0.4385	22.1	-34.3938
Be 313.042	0.1527	ppb	0.0097	6.3	-3042.91
Ca 370.602	49194	ppb	38.27	0.1	245200
Cd 226.502	-0.0845	ppb	0.0465	55.1	27.5572
Co 228.615	0.6882	ppb	0.3429	49.8	-10.0927
Cr 267.716	0.5852	ppb	0.1834	31.3	21.1281
Cu 324.754	0.4361	ppb	0.1360	31.2	185.617
Fe 271.441	1242.81	ppb	1.3158	0.1	1629.17
K 766.491	736.606	ppb	0.7985	0.1	102790
Mg 279.078	17075.3	ppb	13.2831	0.1	47992.3
Mn 257.610	13.3085	ppb	0.0133	0.1	2609.77
Mo 202.032	0.0203	ppb	0.2477	1220.3	6.3607
Na 330.237	5954.77	ppb	129.172	2.2	501.988
Ni 231.604	5.8176	ppb	1.0154	17.5	27.1456
Pb 220.353	0.4040	ppb	0.8381	207.4	2.2700
Sb 206.834	-4.6626	ppb	0.9837	21.1	3.3383
Se 196.026	-1.0067	ppb	6.4106	636.8	7.6075
Sn 189.925	-0.4228	ppb	3.9339	930.4	-10.2840
Sr 216.596	107.454	ppb	0.2799	0.3	1199.03
Ti 334.941	0.1613	ppb	0.0241	14.9	34.2514
Tl 190.794	-4.9132	ppb	4.0047	81.5	-14.2403
V 292.401	0.3752	ppb	0.0364	9.7	25.4357
Zn 206.200	4.2575	ppb	0.4155	9.8	15.3123

640-48216-C-10-A (Samp) **6/18/2014, 4:10:35 AM** **Rack 3, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	-4.0414u	-4.5077u	-4.2627u
Al 308.215	424704	424812	425523
As 188.980	16.5865	25.1340	26.9971
B 249.678	17.2792	16.9499	17.0842
Ba 389.178	2.7674	2.5197	2.7352

Label	Replicates Concentration		
Be 313.042	6.1959	6.2063	6.2114
Ca 370.602	61029	60961	61011
Cd 226.502	0.9176	1.1778	0.9433
Co 228.615	-0.1417u	-0.5318u	-0.2310u
Cr 267.716	5.2570	5.2300	5.3311
Cu 324.754	-0.2833u	-0.2773u	-0.3291u
Fe 271.441	21751.2	21687.7	21715.4
K 766.491	2596.72	2595.27	2592.18
Mg 279.078	13522.2	13511.2	13546.2
Mn 257.610	117.285	117.098	117.257
Mo 202.032	2.2918	0.4152	1.6956
Na 330.237	11200.7	11215.7	11039.4
Ni 231.604	3.3881	2.6343	1.4510
Pb 220.353	5.2920u	10.0266u	7.3321u
Sb 206.834	4.1971	-5.1722u	-2.1478u
Se 196.026	-1.0524	-0.9498	3.6630
Sn 189.925	2.6290	1.7517	0.0468
Sr 216.596	408.808	407.753	408.592
Ti 334.941	0.9172	0.9649	0.9087
Tl 190.794	-2.5945u	-1.6822u	-7.3628u
V 292.401	10.0173	10.2319	10.2780
Zn 206.200	74.5040	75.4031	74.6677

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.2706	ppb	0.2333	5.5	-285.600
Al 308.215	425013	ppb	444.943	0.1	2912024
As 188.980	22.9059	ppb	5.5514	24.2	9.5944
B 249.678	17.1044	ppb	0.1656	1.0	356.435
Ba 389.178	2.6741	ppb	0.1346	5.0	128.258
Be 313.042	6.2045	ppb	0.0079	0.1	15956.8
Ca 370.602	61000	ppb	35.25	0.1	303677
Cd 226.502	1.0129	ppb	0.1434	14.2	146.896
Co 228.615	-0.3015	ppb	0.2044	67.8	-19.2224
Cr 267.716	5.2727	ppb	0.0524	1.0	189.237
Cu 324.754	-0.2966	ppb	0.0284	9.6	131.993
Fe 271.441	21718.1	ppb	31.8636	0.1	27721.2
K 766.491	2594.73	ppb	2.3213	0.1	356591
Mg 279.078	13526.5	ppb	17.8758	0.1	37972.3
Mn 257.610	117.213	ppb	0.1009	0.1	21855.6
Mo 202.032	1.4675	ppb	0.9589	65.3	15.1384
Na 330.237	11152.0	ppb	97.7427	0.9	841.618
Ni 231.604	2.4911	ppb	0.9765	39.2	15.5435
Pb 220.353	7.5502	ppb	2.3748	31.5	-12.7050
Sb 206.834	-1.0409	ppb	4.7817	459.4	7.3388
Se 196.026	0.5536	ppb	2.6933	486.5	8.9524
Sn 189.925	1.4759	ppb	1.3130	89.0	-8.7758
Sr 216.596	408.384	ppb	0.5570	0.1	4514.43
Ti 334.941	0.9303	ppb	0.0303	3.3	408.092
Tl 190.794	-3.8798	ppb	3.0506	78.6	-20.4094
V 292.401	10.1757	ppb	0.1392	1.4	439.079
Zn 206.200	74.8583	ppb	0.4789	0.6	244.603

640-48216-C-10-Asd (Samp) **6/18/2014, 4:15:14 AM** **Rack 3, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-0.8306u	-0.5402u	-0.2126u
Al 308.215	87098.2	87329.4	87077.2
As 188.980	4.3621	5.6137	5.0640
B 249.678	2.6566	2.2260	2.2539
Ba 389.178	-0.0940	-0.5307	0.3993
Be 313.042	1.4202	1.4109	1.4129
Ca 370.602	12585	12594	12564
Cd 226.502	0.1846	0.3100	0.1530
Co 228.615	0.5769	0.0099	0.5839
Cr 267.716	1.1192	1.0621	0.8900
Cu 324.754	1.4976	1.6394	1.9531
Fe 271.441	4604.20	4603.36	4587.38
K 766.491	445.368	441.943	443.577
Mg 279.078	2867.30	2881.30	2867.70
Mn 257.610	24.7874	24.8286	24.7375
Mo 202.032	0.7913	0.5869	-0.2561u
Na 330.237	2260.73	2050.60	2320.91
Ni 231.604	0.7652	-0.3782u	1.2971
Pb 220.353	3.3009u	1.7709u	4.6590
Sb 206.834	0.6285	-4.7159u	-8.0993u
Se 196.026	9.4589	-2.8796u	-1.8245u
Sn 189.925	3.6022	4.8257	0.6671
Sr 216.596	83.9122	84.6389	85.0708
Ti 334.941	0.2537	0.2319	0.2475
Tl 190.794	0.1654u	-3.6190u	-1.6155u
V 292.401	2.2632	2.0928	2.1825
Zn 206.200	16.1878	16.2426	15.4013

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5278	ppb	0.3092	58.6	-62.7803
Al 308.215	87168.3	ppb	139.947	0.2	597558
As 188.980	5.0133	ppb	0.6273	12.5	-1.8056
B 249.678	2.3789	ppb	0.2410	10.1	121.804
Ba 389.178	-0.0751	ppb	0.4653	619.4	-20.6125
Be 313.042	1.4147	ppb	0.0049	0.3	898.486
Ca 370.602	12581	ppb	15.60	0.1	62617
Cd 226.502	0.2159	ppb	0.0831	38.5	51.9869
Co 228.615	0.3902	ppb	0.3294	84.4	-13.0164
Cr 267.716	1.0238	ppb	0.1193	11.7	37.1030
Cu 324.754	1.6967	ppb	0.2331	13.7	295.691
Fe 271.441	4598.31	ppb	9.4768	0.2	5905.14
K 766.491	443.629	ppb	1.7135	0.4	62771.8
Mg 279.078	2872.10	ppb	7.9704	0.3	8093.67
Mn 257.610	24.7845	ppb	0.0456	0.2	4633.77
Mo 202.032	0.3741	ppb	0.5552	148.4	8.6891
Na 330.237	2210.75	ppb	141.919	6.4	248.093
Ni 231.604	0.5614	ppb	0.8560	152.5	7.0963
Pb 220.353	3.2436	ppb	1.4449	44.5	1.4290
Sb 206.834	-4.0623	ppb	4.4005	108.3	3.9961
Se 196.026	1.5849	ppb	6.8394	431.5	8.6324

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	3.0317	ppb	2.1372	70.5	-7.5437
Sr 216.596	84.5406	ppb	0.5855	0.7	940.125
Ti 334.941	0.2444	ppb	0.0112	4.6	40.9210
Tl 190.794	-1.6897	ppb	1.8933	112.1	-13.1938
V 292.401	2.1795	ppb	0.0852	3.9	101.132
Zn 206.200	15.9439	ppb	0.4707	3.0	53.2664

640-48216-C-10-Apds (Samp) **6/18/2014, 4:19:53 AM** **Rack 3, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	28.4546	28.5900	28.3084
Al 308.215	422013	422326	422661
As 188.980	217.110	207.537	224.913
B 249.678	478.461	479.793	481.578
Ba 389.178	197.380	196.861	196.644
Be 313.042	55.3644	55.3672	55.2523
Ca 370.602	62138	62113	62060
Cd 226.502	49.6299	50.1106	50.2758
Co 228.615	192.920	192.163	193.521
Cr 267.716	197.126	197.298	196.892
Cu 324.754	211.094	210.822	211.373
Fe 271.441	23398.8	23372.7	23326.8
K 766.491	5051.80	5056.27	5062.66
Mg 279.078	15280.2	15288.4	15277.8
Mn 257.610	316.976	316.987	316.632
Mo 202.032	193.179	192.538	193.143
Na 330.237	13175.8	13467.5	13063.9
Ni 231.604	190.531	193.581	193.263
Pb 220.353	195.360	200.400	200.710
Sb 206.834	181.549	185.708	181.152
Se 196.026	198.147	208.350	214.733
Sn 189.925	199.328	190.530	194.296
Sr 216.596	593.634	592.877	591.220
Ti 334.941	188.453	188.326	188.413
Tl 190.794	190.085	188.163	183.762
V 292.401	201.383	201.085	201.465
Zn 206.200	269.323	269.022	267.855

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	28.4510	ppb	0.1408	0.5	1659.96
Al 308.215	422334	ppb	324.077	0.1	2893695
As 188.980	216.520	ppb	8.7032	4.0	134.728
B 249.678	479.944	ppb	1.5643	0.3	8168.83
Ba 389.178	196.961	ppb	0.3781	0.2	5445.18
Be 313.042	55.3280	ppb	0.0655	0.1	169604
Ca 370.602	62103	ppb	39.92	0.1	309202
Cd 226.502	50.0055	ppb	0.3355	0.7	2200.68
Co 228.615	192.868	ppb	0.6803	0.4	2002.08
Cr 267.716	197.105	ppb	0.2037	0.1	6946.65
Cu 324.754	211.096	ppb	0.2755	0.1	11838.0
Fe 271.441	23366.1	ppb	36.4620	0.2	29840.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	5056.91	ppb	5.4602	0.1	692901
Mg 279.078	15282.1	ppb	5.5905	0.0	42898.7
Mn 257.610	316.865	ppb	0.2015	0.1	58793.5
Mo 202.032	192.953	ppb	0.3601	0.2	1476.55
Na 330.237	13235.7	ppb	208.364	1.6	977.161
Ni 231.604	192.458	ppb	1.6768	0.9	747.700
Pb 220.353	198.823	ppb	3.0031	1.5	262.486
Sb 206.834	182.803	ppb	2.5235	1.4	207.020
Se 196.026	207.076	ppb	8.3661	4.0	103.452
Sn 189.925	194.718	ppb	4.4140	2.3	144.581
Sr 216.596	592.577	ppb	1.2347	0.2	6518.18
Ti 334.941	188.397	ppb	0.0649	0.0	85035.1
Tl 190.794	187.337	ppb	3.2414	1.7	120.211
V 292.401	201.311	ppb	0.1999	0.1	8328.52
Zn 206.200	268.734	ppb	0.7752	0.3	871.696

640-48216-C-10-B MS (Samp) **6/18/2014, 4:24:33 AM** **Rack 3, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	17.0756	16.6708	16.4628
Al 308.215	416108	416642	416690
As 188.980	51.7006	65.1124	62.0039
B 249.678	95.3309	94.4477	95.1727
Ba 389.178	41.3996	41.4952	40.8466
Be 313.042	25.7328	25.7206	25.7151
Ca 370.602	61355	61342	61330
Cd 226.502	20.5196	20.5872	20.3527
Co 228.615	19.4155	19.1620	18.7448
Cr 267.716	44.4406	44.5727	44.5470
Cu 324.754	42.8771	42.7811	42.5291
Fe 271.441	23048.3	22980.5	23055.3
K 766.491	4984.66	4980.08	4991.87
Mg 279.078	15066.6	15032.8	15071.6
Mn 257.610	315.842	315.380	316.073
Mo 202.032	38.6128	40.6951	40.8100
Na 330.237	12875.8	13151.5	12898.5
Ni 231.604	41.1924	39.6078	42.9026
Pb 220.353	22.1436	25.5665	23.1598
Sb 206.834	24.0581	16.9011	18.4554
Se 196.026	26.1092	28.6066	31.5422
Sn 189.925	77.7886	73.8292	76.7690
Sr 216.596	436.601	432.623	434.870
Ti 334.941	38.7182	38.7076	38.7648
Tl 190.794	12.7255	15.2116	7.5811u
V 292.401	48.7920	48.8126	48.8901
Zn 206.200	113.887	112.424	111.389

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.7364	ppb	0.3116	1.9	963.474
Al 308.215	416480	ppb	323.251	0.1	2853572
As 188.980	59.6056	ppb	7.0201	11.8	33.3050

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	94.9838	ppb	0.4710	0.5	1669.93
Ba 389.178	41.2471	ppb	0.3501	0.8	1189.91
Be 313.042	25.7228	ppb	0.0091	0.0	76996.4
Ca 370.602	61342	ppb	12.24	0.0	305370
Cd 226.502	20.4865	ppb	0.1207	0.6	965.550
Co 228.615	19.1074	ppb	0.3387	1.8	183.810
Cr 267.716	44.5201	ppb	0.0700	0.2	1571.71
Cu 324.754	42.7291	ppb	0.1797	0.4	2514.46
Fe 271.441	23028.0	ppb	41.2926	0.2	29392.5
K 766.491	4985.54	ppb	5.9436	0.1	683152
Mg 279.078	15057.0	ppb	21.0994	0.1	42267.3
Mn 257.610	315.765	ppb	0.3528	0.1	58587.4
Mo 202.032	40.0393	ppb	1.2367	3.1	309.409
Na 330.237	12975.3	ppb	153.086	1.2	962.984
Ni 231.604	41.2343	ppb	1.6478	4.0	164.906
Pb 220.353	23.6233	ppb	1.7579	7.4	10.8781
Sb 206.834	19.8049	ppb	3.7645	19.0	29.7510
Se 196.026	28.7527	ppb	2.7194	9.5	21.9152
Sn 189.925	76.1289	ppb	2.0558	2.7	50.4691
Sr 216.596	434.698	ppb	1.9947	0.5	4801.06
Ti 334.941	38.7302	ppb	0.0305	0.1	17474.5
Tl 190.794	11.8394	ppb	3.8917	32.9	-8.7460
V 292.401	48.8316	ppb	0.0517	0.1	2035.25
Zn 206.200	112.567	ppb	1.2552	1.1	366.598

640-48216-C-10-C MSD (Samp) **6/18/2014, 4:29:12 AM** **Rack 3, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	17.0006	17.0387	16.6989
Al 308.215	409574	409666	409716
As 188.980	59.0472	50.8443	57.5142
B 249.678	93.5854	94.0843	93.5417
Ba 389.178	40.1906	41.2158	40.0416
Be 313.042	25.6802	25.6700	25.6162
Ca 370.602	60320	60326	60244
Cd 226.502	20.5747	20.2824	20.4556
Co 228.615	19.3402	19.4819	18.6402
Cr 267.716	44.0989	44.2101	44.2327
Cu 324.754	42.5671	43.0086	42.8421
Fe 271.441	22688.2	22690.8	22658.5
K 766.491	4918.73	4919.66	4925.91
Mg 279.078	14862.5	14860.1	14828.4
Mn 257.610	314.457	314.281	314.175
Mo 202.032	39.3522	38.8722	39.9664
Na 330.237	12800.3	12756.6	12971.3
Ni 231.604	41.2081	39.7160	41.5333
Pb 220.353	23.9211	28.4129	21.6710
Sb 206.834	18.5054	16.9916	29.2892
Se 196.026	14.2744	10.8670	43.7167
Sn 189.925	84.5091	80.1116	81.8605
Sr 216.596	429.131	429.219	427.613

Label	Replicates Concentration		
Ti 334.941	38.7566	38.8044	38.7154
Tl 190.794	14.7005	8.5316u	8.1001u
V 292.401	49.1010	49.1098	48.7886
Zn 206.200	106.298	109.400	112.131

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.9127	ppb	0.1862	1.1	973.963
Al 308.215	409652	ppb	72.3047	0.0	2806796
As 188.980	55.8019	ppb	4.3613	7.8	30.8504
B 249.678	93.7372	ppb	0.3014	0.3	1649.20
Ba 389.178	40.4827	ppb	0.6393	1.6	1167.61
Be 313.042	25.6555	ppb	0.0344	0.1	76784.4
Ca 370.602	60297	ppb	45.52	0.1	300165
Cd 226.502	20.4376	ppb	0.1470	0.7	962.317
Co 228.615	19.1541	ppb	0.4506	2.4	184.297
Cr 267.716	44.1806	ppb	0.0716	0.2	1559.70
Cu 324.754	42.8059	ppb	0.2230	0.5	2519.84
Fe 271.441	22679.2	ppb	17.9506	0.1	28947.9
K 766.491	4921.43	ppb	3.9008	0.1	674396
Mg 279.078	14850.3	ppb	19.0144	0.1	41687.8
Mn 257.610	314.304	ppb	0.1427	0.0	58314.7
Mo 202.032	39.3969	ppb	0.5484	1.4	304.542
Na 330.237	12842.7	ppb	113.478	0.9	954.229
Ni 231.604	40.8191	ppb	0.9691	2.4	163.287
Pb 220.353	24.6683	ppb	3.4325	13.9	12.7897
Sb 206.834	21.5954	ppb	6.7059	31.1	31.7340
Se 196.026	22.9527	ppb	18.0627	78.7	19.2478
Sn 189.925	82.1604	ppb	2.2140	2.7	55.2556
Sr 216.596	428.654	ppb	0.9027	0.2	4734.32
Ti 334.941	38.7588	ppb	0.0445	0.1	17486.2
Tl 190.794	10.4441	ppb	3.6925	35.4	-9.6573
V 292.401	48.9998	ppb	0.1830	0.4	2042.36
Zn 206.200	109.276	ppb	2.9187	2.7	355.933

MB 680-334381/1-A (Samp) **6/18/2014, 4:33:52 AM** **Rack 3, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	0.4019	0.3066	-0.0089u
Al 308.215	93.5100	80.0236	71.4602
As 188.980	6.5405	1.3278	-0.3906u
B 249.678	0.9579	0.5910	0.6248
Ba 389.178	-0.4491u	0.6535	0.1270
Be 313.042	0.1379	0.1119	0.1294
Ca 370.602	20.84	13.74	9.536
Cd 226.502	0.1194	0.0277	0.0476
Co 228.615	0.8119	0.5204	-0.1764u
Cr 267.716	-0.0759u	-0.1152u	-0.0159u
Cu 324.754	0.0184	0.2049	-0.0268u
Fe 271.441	8.7244	11.2226	8.7241
K 766.491	0.9982	0.4626	0.7543
Mg 279.078	6.1519	4.2633	4.5115

Label	Replicates Concentration		
Mn 257.610	0.0967	0.1167	0.0937
Mo 202.032	0.6848	0.2925	0.6881
Na 330.237	-124.692u	54.2756	34.9714
Ni 231.604	2.1227	1.9643	0.8373
Pb 220.353	0.4768	-1.2334u	-0.3800u
Sb 206.834	-2.4265u	-2.8408u	-3.1274u
Se 196.026	-0.5592u	-2.4463u	2.4644
Sn 189.925	3.4808	1.5374	0.3029
Sr 216.596	-0.2154u	0.2827	-0.1683u
Ti 334.941	0.0299	0.0645	0.0818
Tl 190.794	1.0070	-0.9176u	-4.5346u
V 292.401	-0.0014u	0.0466	-0.1135u
Zn 206.200	0.2990	0.9479	0.4190

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2332	ppb	0.2150	92.2	-17.4351
Al 308.215	81.6646	ppb	11.1161	13.6	954.716
As 188.980	2.4926	ppb	3.6093	144.8	-3.3912
B 249.678	0.7245	ppb	0.2028	28.0	97.6007
Ba 389.178	0.1105	ppb	0.5515	499.1	-35.3407
Be 313.042	0.1264	ppb	0.0132	10.5	-3150.97
Ca 370.602	14.70	ppb	5.711	38.8	55.37
Cd 226.502	0.0649	ppb	0.0483	74.4	29.1854
Co 228.615	0.3853	ppb	0.5078	131.8	-13.3577
Cr 267.716	-0.0690	ppb	0.0500	72.5	-2.0208
Cu 324.754	0.0655	ppb	0.1228	187.6	219.168
Fe 271.441	9.5570	ppb	1.4424	15.1	57.5547
K 766.491	0.7384	ppb	0.2682	36.3	2277.24
Mg 279.078	4.9756	ppb	1.0262	20.6	53.1933
Mn 257.610	0.1023	ppb	0.0125	12.2	34.6614
Mo 202.032	0.5551	ppb	0.2275	41.0	10.5794
Na 330.237	-11.8151	ppb	98.2298	831.4	100.723
Ni 231.604	1.6414	ppb	0.7009	42.7	10.9899
Pb 220.353	-0.3789	ppb	0.8551	225.7	1.4583
Sb 206.834	-2.7982	ppb	0.3524	12.6	5.3731
Se 196.026	-0.1804	ppb	2.4772	1373.4	7.6162
Sn 189.925	1.7737	ppb	1.6021	90.3	-8.5426
Sr 216.596	-0.0337	ppb	0.2750	816.0	6.5069
Ti 334.941	0.0587	ppb	0.0264	45.0	-58.0988
Tl 190.794	-1.4817	ppb	2.8136	189.9	-11.5864
V 292.401	-0.0227	ppb	0.0821	361.2	7.9046
Zn 206.200	0.5553	ppb	0.3452	62.2	3.2847

LLCS 680-334381/2-A (Samp) **6/18/2014, 4:38:31 AM** **Rack 3, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.3785	9.8969	10.1250
Al 308.215	220.521	220.009	219.050
As 188.980	19.4132	27.2187	25.5589
B 249.678	98.8972	98.9103	98.2224
Ba 389.178	9.9878	11.0843	10.8456

Label	Replicates Concentration		
Be 313.042	4.1295	4.1428	4.1141
Ca 370.602	530.2	528.6	528.8
Cd 226.502	5.1165	5.3964	5.2235
Co 228.615	9.7222	10.2603	10.8362
Cr 267.716	10.3586	9.9459	9.8897
Cu 324.754	21.3785	21.9135	21.1403
Fe 271.441	54.1481	57.3530	54.2212
K 766.491	1062.65	1064.60	1056.14
Mg 279.078	522.860	523.631	517.535
Mn 257.610	10.6760	10.7127	10.6143
Mo 202.032	10.4090	9.6462	10.3932
Na 330.237	911.985	961.481	1059.39
Ni 231.604	43.1890	42.4162	43.0532
Pb 220.353	9.9717	11.4201	7.2885
Sb 206.834	18.6760	19.4273	19.6164
Se 196.026	17.4884	18.3837	20.4408
Sn 189.925	53.1489	55.9121	55.3879
Sr 216.596	9.2587	10.1206	9.6334
Ti 334.941	10.0264	10.0622	9.9807
Tl 190.794	28.0087	27.8998	27.3391
V 292.401	10.2319	10.3758	10.2967
Zn 206.200	21.6382	21.4608	22.1612

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.1335	ppb	0.2409	2.4	570.971
Al 308.215	219.860	ppb	0.7470	0.3	1902.79
As 188.980	24.0636	ppb	4.1120	17.1	10.5478
B 249.678	98.6766	ppb	0.3935	0.4	1750.91
Ba 389.178	10.6392	ppb	0.5766	5.4	254.051
Be 313.042	4.1288	ppb	0.0144	0.3	9366.84
Ca 370.602	529.2	ppb	0.8809	0.2	2622
Cd 226.502	5.2455	ppb	0.1413	2.7	245.891
Co 228.615	10.2729	ppb	0.5571	5.4	90.1151
Cr 267.716	10.0647	ppb	0.2560	2.5	354.955
Cu 324.754	21.4775	ppb	0.3960	1.8	1404.55
Fe 271.441	55.2408	ppb	1.8296	3.3	116.773
K 766.491	1061.13	ppb	4.4310	0.4	147117
Mg 279.078	521.342	ppb	3.3195	0.6	1503.30
Mn 257.610	10.6677	ppb	0.0498	0.5	1992.45
Mo 202.032	10.1494	ppb	0.4359	4.3	83.8062
Na 330.237	977.620	ppb	75.0168	7.7	167.097
Ni 231.604	42.8861	ppb	0.4126	1.0	169.937
Pb 220.353	9.5601	ppb	2.0963	21.9	15.7421
Sb 206.834	19.2399	ppb	0.4974	2.6	29.4975
Se 196.026	18.7710	ppb	1.5138	8.1	16.2866
Sn 189.925	54.8163	ppb	1.4676	2.7	33.5521
Sr 216.596	9.6709	ppb	0.4322	4.5	110.670
Ti 334.941	10.0231	ppb	0.0408	0.4	4441.13
Tl 190.794	27.7492	ppb	0.3593	1.3	9.8766
V 292.401	10.3015	ppb	0.0721	0.7	434.268
Zn 206.200	21.7534	ppb	0.3641	1.7	71.8871

LCS 680-334381/4-A (Samp) **6/18/2014, 4:43:11 AM** **Rack 3, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	20.8504	21.3474	21.0664
Al 308.215	1976.66	1984.97	1979.94
As 188.980	44.8044	43.7320	43.4044
B 249.678	79.6799	79.5939	79.3529
Ba 389.178	40.8273	40.4114	41.1605
Be 313.042	20.6788	20.7479	20.6791
Ca 370.602	2031	2031	2030
Cd 226.502	20.7824	20.9471	20.8727
Co 228.615	21.5480	20.9236	20.6895
Cr 267.716	41.5618	41.3472	41.7509
Cu 324.754	42.9991	42.9777	42.5637
Fe 271.441	2020.23	2031.45	2023.73
K 766.491	2121.55	2127.52	2123.02
Mg 279.078	2020.86	2032.18	2017.81
Mn 257.610	214.208	214.584	214.019
Mo 202.032	40.9053	41.4471	41.4691
Na 330.237	2048.76	2016.48	2077.00
Ni 231.604	41.0350	42.9821	42.7748
Pb 220.353	25.1969	23.3038	17.3833
Sb 206.834	14.6785	16.3830	14.2799
Se 196.026	35.1381	29.5599	42.8520
Sn 189.925	86.2607	83.1905	87.3349
Sr 216.596	39.5163	39.6680	39.8542
Ti 334.941	40.6411	40.7536	40.6742
Tl 190.794	14.6170	15.7087	13.3217
V 292.401	41.3351	41.7836	41.9014
Zn 206.200	41.4463	40.7836	41.2222

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.0880	ppb	0.2492	1.2	1222.62
Al 308.215	1980.52	ppb	4.1896	0.2	13968.8
As 188.980	43.9803	ppb	0.7323	1.7	23.4067
B 249.678	79.5422	ppb	0.1695	0.2	1426.37
Ba 389.178	40.7997	ppb	0.3754	0.9	1087.36
Be 313.042	20.7019	ppb	0.0398	0.2	61198.0
Ca 370.602	2030	ppb	0.8654	0.0	10079
Cd 226.502	20.8674	ppb	0.0825	0.4	905.969
Co 228.615	21.0537	ppb	0.4438	2.1	202.907
Cr 267.716	41.5533	ppb	0.2020	0.5	1464.18
Cu 324.754	42.8468	ppb	0.2455	0.6	2586.19
Fe 271.441	2025.14	ppb	5.7429	0.3	2628.21
K 766.491	2124.03	ppb	3.1121	0.1	292299
Mg 279.078	2023.62	ppb	7.5709	0.4	5717.34
Mn 257.610	214.270	ppb	0.2873	0.1	39659.9
Mo 202.032	41.2738	ppb	0.3194	0.8	321.157
Na 330.237	2047.41	ppb	30.2806	1.5	237.566
Ni 231.604	42.2640	ppb	1.0693	2.5	167.636
Pb 220.353	21.9613	ppb	4.0761	18.6	33.4255
Sb 206.834	15.1138	ppb	1.1171	7.4	24.5296
Se 196.026	35.8500	ppb	6.6746	18.6	24.1921

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	85.5954	ppb	2.1508	2.5	57.9785
Sr 216.596	39.6795	ppb	0.1693	0.4	440.797
Ti 334.941	40.6896	ppb	0.0578	0.1	18288.4
Tl 190.794	14.5491	ppb	1.1949	8.2	0.1278
V 292.401	41.6734	ppb	0.2988	0.7	1730.17
Zn 206.200	41.1507	ppb	0.3371	0.8	134.643

Cont Calib Verif (CCV) **6/18/2014, 4:47:50 AM** **Rack 3, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	481.252	482.304	479.899
Al 308.215	4731.05	4726.64	4724.10
As 188.980	466.792	469.467	458.678
B 249.678	474.306	473.480	475.011
Ba 389.178	4835.28	4827.68	4838.54
Be 313.042	481.339	480.152	481.358
Ca 370.602	4883	4873	4878
Cd 226.502	482.505	481.854	482.606
Co 228.615	486.222	483.782	485.072
Cr 267.716	4801.94	4792.16	4807.25
Cu 324.754	4932.89	4982.80	4960.31
Fe 271.441	4798.61	4784.20	4792.61
K 766.491	9707.90	9688.56	9666.87
Mg 279.078	4768.00	4757.25	4756.41
Mn 257.610	4892.59	4871.00	4890.02
Mo 202.032	484.016	482.432	483.179
Na 330.237	7259.63	7040.09	7078.07
Ni 231.604	2413.45	2418.21	2401.80
Pb 220.353	480.792	483.942	486.685
Sb 206.834	948.523	943.349	944.064
Se 196.026	4815.16	4792.89	4788.80
Sn 189.925	4792.37	4795.63	4786.87
Sr 216.596	2347.26	2342.26	2343.30
Ti 334.941	477.725	477.075	477.573
Tl 190.794	4850.80	4842.44	4874.35
V 292.401	4820.17	4815.10	4817.48
Zn 206.200	2399.38	2387.96	2399.74

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	481.152	ppb	1.2056	0.3	28596.7	96.23032
Al 308.215	4727.27	ppb	3.5151	0.1	33109.8	94.54533
As 188.980	464.979	ppb	5.6184	1.2	295.514	92.99581
B 249.678	474.266	ppb	0.7667	0.2	8100.74	94.85315
Ba 389.178	4833.83	ppb	5.5724	0.1	132022	96.67661
Be 313.042	480.950	ppb	0.6909	0.1	1502213	96.18990
Ca 370.602	4878	ppb	5.231	0.1	24349	97.56103
Cd 226.502	482.322	ppb	0.4083	0.1	20204.5	96.46440
Co 228.615	485.025	ppb	1.2204	0.3	5057.99	97.00504
Cr 267.716	4800.45	ppb	7.6529	0.2	169098	96.00894
Cu 324.754	4958.67	ppb	25.0002	0.5	274819	99.17336
Fe 271.441	4791.80	ppb	7.2382	0.2	6221.56	95.83608

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9687.78	ppb	20.5289	0.2	1325432	96.87778
Mg 279.078	4760.55	ppb	6.4624	0.1	13396.8	95.21107
Mn 257.610	4884.54	ppb	11.7939	0.2	903321	97.69074
Mo 202.032	483.209	ppb	0.7922	0.2	3691.47	96.64181
Na 330.237	7125.93	ppb	117.335	1.6	562.411	95.01237
Ni 231.604	2411.16	ppb	8.4422	0.4	9296.79	96.44624
Pb 220.353	483.806	ppb	2.9487	0.6	700.417	96.76125
Sb 206.834	945.312	ppb	2.8035	0.3	1077.01	94.53118
Se 196.026	4798.95	ppb	14.1889	0.3	2202.61	95.97904
Sn 189.925	4791.62	ppb	4.4271	0.1	3792.67	95.83246
Sr 216.596	2344.27	ppb	2.6346	0.1	25524.7	93.77092
Ti 334.941	477.458	ppb	0.3402	0.1	215453	95.49152
Tl 190.794	4855.86	ppb	16.5457	0.3	3557.89	97.11729
V 292.401	4817.58	ppb	2.5335	0.1	200126	96.35167
Zn 206.200	2395.70	ppb	6.6980	0.3	7740.63	95.82784

Cont Calib Blank (CCB) **6/18/2014, 4:52:30 AM** **Rack 3, Tube 26**

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

Label	Replicates	Concentration	
Ag 328.068	0.1503	0.1275	-0.2703u
Al 308.215	-5.6953u	-5.1724u	-5.5186u
As 188.980	-1.5374u	6.3838	3.0509
B 249.678	2.5653	1.8880	2.0513
Ba 389.178	0.7560	1.4267	0.0589
Be 313.042	0.1807	0.1798	0.1623
Ca 370.602	2.991	3.990	2.337
Cd 226.502	0.0921	0.1261	0.2482
Co 228.615	0.1343	0.4800	0.5202
Cr 267.716	0.4946	0.2116	0.4439
Cu 324.754	0.4432	1.0821	0.8958
Fe 271.441	8.9290	3.8112	6.0975
K 766.491	-0.4386u	-0.2779u	-0.3345u
Mg 279.078	2.1622	0.2509	0.0499
Mn 257.610	0.5756	0.4214	0.3838
Mo 202.032	0.8515	0.9397	0.5738
Na 330.237	-155.867u	24.6512	139.682
Ni 231.604	1.0539	0.6970	1.0413
Pb 220.353	-0.4670u	2.3869	-0.8610u
Sb 206.834	-0.9983u	-0.7263u	-6.0759u
Se 196.026	3.6003	1.5240	3.1627
Sn 189.925	5.3561	0.4940	-1.5109u
Sr 216.596	0.0514	0.2622	0.1415
Ti 334.941	0.1229	0.1395	0.1058
Tl 190.794	-1.2717u	3.2899	-3.0875u
V 292.401	0.5647	0.4101	0.0954
Zn 206.200	-0.0039u	0.1705	0.5517

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0025	ppb	0.2365	9505.1	-31.1419	0.00249
Al 308.215	-5.4621	ppb	0.2660	4.9	357.879	-5.46210
As 188.980	2.6324	ppb	3.9772	151.1	-3.3008	2.63244

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	2.1682	ppb	0.3535	16.3	122.000	2.16820
Ba 389.178	0.7472	ppb	0.6839	91.5	-17.9723	0.74723
Be 313.042	0.1743	ppb	0.0104	6.0	-3001.14	0.17427
Ca 370.602	3.106	ppb	0.8324	26.8	-2.353	3.10582
Cd 226.502	0.1555	ppb	0.0821	52.8	32.9566	0.15548
Co 228.615	0.3781	ppb	0.2121	56.1	-13.4373	0.37815
Cr 267.716	0.3833	ppb	0.1509	39.4	13.9131	0.38334
Cu 324.754	0.8070	ppb	0.3285	40.7	260.255	0.80702
Fe 271.441	6.2792	ppb	2.5637	40.8	53.3535	6.27924
K 766.491	-0.3504	ppb	0.0815	23.3	2128.53	-0.35036
Mg 279.078	0.8210	ppb	1.1658	142.0	41.5363	0.82103
Mn 257.610	0.4603	ppb	0.1017	22.1	100.801	0.46025
Mo 202.032	0.7883	ppb	0.1910	24.2	12.3598	0.78833
Na 330.237	2.8222	ppb	148.979	5278.9	101.712	2.82216
Ni 231.604	0.9307	ppb	0.2025	21.8	8.2507	0.93073
Pb 220.353	0.3530	ppb	1.7724	502.1	2.5170	0.35296
Sb 206.834	-2.6002	ppb	3.0131	115.9	5.5902	-2.60016
Se 196.026	2.7623	ppb	1.0945	39.6	8.9614	2.76232
Sn 189.925	1.4464	ppb	3.5312	244.1	-8.8024	1.44636
Sr 216.596	0.1517	ppb	0.1058	69.7	8.5486	0.15171
Ti 334.941	0.1227	ppb	0.0169	13.7	-29.2278	0.12274
Tl 190.794	-0.3564	ppb	3.2857	921.9	-10.7593	-0.35641
V 292.401	0.3567	ppb	0.2391	67.0	23.6000	0.35672
Zn 206.200	0.2395	ppb	0.2842	118.7	2.2601	0.23945

680-102332-A-1-A (Samp) **6/18/2014, 4:57:09 AM** **Rack 3, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	0.3925	0.4002	0.1246
Al 308.215	19.6154	20.8434	19.3939
As 188.980	2.7668	3.1486	8.1706
B 249.678	118.141	117.428	118.189
Ba 389.178	17.5256	18.2884	17.4270
Be 313.042	0.1293	0.1279	0.1314
Ca 370.602	6981	6953	6963
Cd 226.502	0.0217	0.1852	0.0488
Co 228.615	0.3391	0.5529	0.6813
Cr 267.716	0.0674	0.1333	0.3306
Cu 324.754	1.6297	1.5971	1.8134
Fe 271.441	158.181	157.780	156.806
K 766.491	1713.39	1710.86	1714.90
Mg 279.078	2602.77	2584.80	2600.28
Mn 257.610	10.0243	9.8816	9.9597
Mo 202.032	1.5351	1.0569	1.3932
Na 330.237	4992.05	4913.18	5064.34
Ni 231.604	1.5196	0.7516	1.6573
Pb 220.353	-1.0020u	-1.4664u	-0.9617u
Sb 206.834	-3.7644u	-3.2751u	-4.9734u
Se 196.026	-2.9754u	1.9854	1.3089
Sn 189.925	0.4525	0.7234	0.9489
Sr 216.596	45.5944	44.8126	45.6718

Label	Replicates Concentration		
Ti 334.941	1.0193	1.0102	0.9454
Tl 190.794	-1.4504u	-0.0837u	-5.1908u
V 292.401	1.0132	1.0146	1.1816
Zn 206.200	1.1295	0.8515	0.5157

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3057	ppb	0.1569	51.3	-13.1386
Al 308.215	19.9509	ppb	0.7808	3.9	532.058
As 188.980	4.6953	ppb	3.0157	64.2	-1.9693
B 249.678	117.919	ppb	0.4261	0.4	2075.24
Ba 389.178	17.7470	ppb	0.4715	2.7	455.095
Be 313.042	0.1295	ppb	0.0018	1.4	-3138.23
Ca 370.602	6966	ppb	14.11	0.2	34706
Cd 226.502	0.0852	ppb	0.0876	102.8	30.5858
Co 228.615	0.5244	ppb	0.1729	33.0	-11.8914
Cr 267.716	0.1771	ppb	0.1369	77.3	6.6927
Cu 324.754	1.6801	ppb	0.1166	6.9	300.944
Fe 271.441	157.589	ppb	0.7069	0.4	246.222
K 766.491	1713.05	ppb	2.0436	0.1	236162
Mg 279.078	2595.95	ppb	9.7376	0.4	7329.58
Mn 257.610	9.9552	ppb	0.0715	0.7	1876.73
Mo 202.032	1.3284	ppb	0.2456	18.5	16.4648
Na 330.237	4989.86	ppb	75.6056	1.5	437.530
Ni 231.604	1.3095	ppb	0.4881	37.3	9.7179
Pb 220.353	-1.1434	ppb	0.2805	24.5	0.3581
Sb 206.834	-4.0043	ppb	0.8742	21.8	4.0314
Se 196.026	0.1063	ppb	2.6902	2530.1	7.8003
Sn 189.925	0.7083	ppb	0.2485	35.1	-9.3867
Sr 216.596	45.3596	ppb	0.4753	1.0	505.334
Ti 334.941	0.9916	ppb	0.0403	4.1	369.497
Tl 190.794	-2.2416	ppb	2.6439	117.9	-12.1488
V 292.401	1.0698	ppb	0.0968	9.0	53.2457
Zn 206.200	0.8322	ppb	0.3074	36.9	4.1856

680-102332-A-1-B MS (Samp) **6/18/2014, 5:01:49 AM** **Rack 3, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	21.1922	21.0654	20.7585
Al 308.215	2008.43	2010.15	2006.95
As 188.980	42.5297	45.3500	45.4738
B 249.678	199.205	198.232	199.550
Ba 389.178	59.0984	58.5336	59.3393
Be 313.042	20.9013	20.8515	20.8509
Ca 370.602	9152	9162	9145
Cd 226.502	21.0126	20.9748	20.9626
Co 228.615	21.3203	21.1046	21.4440
Cr 267.716	41.8754	41.7902	41.7642
Cu 324.754	43.7272	43.9953	44.3803
Fe 271.441	2162.48	2173.32	2166.03
K 766.491	3910.82	3917.50	3910.03
Mg 279.078	4668.77	4671.73	4668.82

Label	Replicates Concentration		
Mn 257.610	224.569	224.474	224.212
Mo 202.032	42.1460	40.8115	42.0783
Na 330.237	6970.20	7102.07	7072.81
Ni 231.604	41.7731	42.6927	42.5846
Pb 220.353	19.8645	19.3760	18.6626
Sb 206.834	16.4738	15.3358	16.6637
Se 196.026	45.9522	36.2591	46.3499
Sn 189.925	85.5604	85.5070	87.3410
Sr 216.596	86.6642	85.8479	85.2926
Ti 334.941	41.6453	41.5092	41.5014
Tl 190.794	8.0061	12.8261	17.8296
V 292.401	42.3830	42.7734	42.5324
Zn 206.200	42.6371	42.6485	43.6710

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.0054	ppb	0.2230	1.1	1217.69
Al 308.215	2008.51	ppb	1.6055	0.1	14160.6
As 188.980	44.4511	ppb	1.6652	3.7	23.7097
B 249.678	198.996	ppb	0.6837	0.3	3442.12
Ba 389.178	58.9904	ppb	0.4136	0.7	1593.09
Be 313.042	20.8679	ppb	0.0289	0.1	61720.0
Ca 370.602	9153	ppb	8.569	0.1	45585
Cd 226.502	20.9834	ppb	0.0261	0.1	911.342
Co 228.615	21.2896	ppb	0.1717	0.8	205.394
Cr 267.716	41.8100	ppb	0.0582	0.1	1473.27
Cu 324.754	44.0343	ppb	0.3283	0.7	2644.11
Fe 271.441	2167.28	ppb	5.5257	0.3	2809.35
K 766.491	3912.78	ppb	4.1042	0.1	536624
Mg 279.078	4669.77	ppb	1.6983	0.0	13148.7
Mn 257.610	224.418	ppb	0.1848	0.1	41557.0
Mo 202.032	41.6786	ppb	0.7517	1.8	324.231
Na 330.237	7048.36	ppb	69.2525	1.0	574.321
Ni 231.604	42.3501	ppb	0.5026	1.2	167.975
Pb 220.353	19.3010	ppb	0.6045	3.1	29.5921
Sb 206.834	16.1577	ppb	0.7182	4.4	25.6729
Se 196.026	42.8537	ppb	5.7146	13.3	27.4479
Sn 189.925	86.1362	ppb	1.0438	1.2	58.4092
Sr 216.596	85.9349	ppb	0.6899	0.8	949.082
Ti 334.941	41.5520	ppb	0.0809	0.2	18684.3
Tl 190.794	12.8873	ppb	4.9121	38.1	-1.0974
V 292.401	42.5630	ppb	0.1970	0.5	1767.18
Zn 206.200	42.9855	ppb	0.5937	1.4	140.588

680-102332-A-1-C MSD (Samp) **6/18/2014, 5:06:30 AM** **Rack 3, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	20.6149	20.4235	20.4915
Al 308.215	1974.95	1971.01	1971.07
As 188.980	39.0078	38.4395	39.6864
B 249.678	194.800	194.437	194.115
Ba 389.178	57.2291	57.2357	57.1238

Label	Replicates Concentration		
Be 313.042	20.4957	20.4919	20.4973
Ca 370.602	8938	8920	8929
Cd 226.502	20.6031	20.5218	20.6141
Co 228.615	20.8142	20.9787	21.2080
Cr 267.716	41.1266	41.0720	40.8716
Cu 324.754	43.6102	43.6190	43.3609
Fe 271.441	2137.69	2119.20	2125.45
K 766.491	3825.07	3832.62	3832.51
Mg 279.078	4576.53	4557.54	4562.79
Mn 257.610	220.726	220.587	220.230
Mo 202.032	41.6667	40.9580	41.8337
Na 330.237	6928.24	6895.39	7018.85
Ni 231.604	41.3962	41.2002	42.5254
Pb 220.353	19.4010	24.7077	20.3808
Sb 206.834	11.9734	13.4426	16.1250
Se 196.026	31.4814	49.1452	39.8461
Sn 189.925	83.7357	80.7189	87.3305
Sr 216.596	84.7905	84.3904	84.7405
Ti 334.941	40.9044	40.8972	40.8608
Tl 190.794	15.1258	15.9487	12.5024
V 292.401	41.7941	42.1121	41.8316
Zn 206.200	40.1696	40.9069	42.1208

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.5100	ppb	0.0970	0.5	1188.24
Al 308.215	1972.34	ppb	2.2595	0.1	13912.7
As 188.980	39.0446	ppb	0.6242	1.6	20.2169
B 249.678	194.451	ppb	0.3428	0.2	3365.43
Ba 389.178	57.1962	ppb	0.0628	0.1	1543.65
Be 313.042	20.4950	ppb	0.0028	0.0	60553.6
Ca 370.602	8929	ppb	9.183	0.1	44468
Cd 226.502	20.5797	ppb	0.0504	0.2	894.328
Co 228.615	21.0003	ppb	0.1978	0.9	202.353
Cr 267.716	41.0234	ppb	0.1342	0.3	1445.56
Cu 324.754	43.5300	ppb	0.1465	0.3	2616.45
Fe 271.441	2127.45	ppb	9.4045	0.4	2758.57
K 766.491	3830.07	ppb	4.3273	0.1	525327
Mg 279.078	4565.62	ppb	9.8055	0.2	12856.3
Mn 257.610	220.514	ppb	0.2559	0.1	40834.1
Mo 202.032	41.4861	ppb	0.4649	1.1	322.766
Na 330.237	6947.50	ppb	63.9435	0.9	567.565
Ni 231.604	41.7073	ppb	0.7153	1.7	165.495
Pb 220.353	21.4965	ppb	2.8238	13.1	32.7548
Sb 206.834	13.8470	ppb	2.1052	15.2	23.1265
Se 196.026	40.1576	ppb	8.8360	22.0	26.2121
Sn 189.925	83.9284	ppb	3.3100	3.9	56.6570
Sr 216.596	84.6405	ppb	0.2180	0.3	934.846
Ti 334.941	40.8874	ppb	0.0234	0.1	18384.1
Tl 190.794	14.5256	ppb	1.7998	12.4	0.1056
V 292.401	41.9126	ppb	0.1738	0.4	1740.18
Zn 206.200	41.0658	ppb	0.9853	2.4	134.374

680-102332-A-2-A (Samp) **6/18/2014, 5:11:09 AM** **Rack 3, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	0.4225	0.3170	0.0453
Al 308.215	11.7898	13.5641	12.4543
As 188.980	-2.3511u	4.4831	-0.8540u
B 249.678	150.321	150.057	151.187
Ba 389.178	20.2294	20.3803	20.4635
Be 313.042	0.1230	0.1217	0.1245
Ca 370.602	7771	7774	7768
Cd 226.502	-0.1576u	-0.0819u	-0.0470u
Co 228.615	0.5417	0.6397	-0.0859u
Cr 267.716	-0.0051u	-0.0881u	0.2048
Cu 324.754	1.2424	1.3726	1.1141
Fe 271.441	194.704	197.889	199.052
K 766.491	1714.31	1715.34	1715.94
Mg 279.078	2846.08	2842.22	2844.25
Mn 257.610	54.9003	54.9577	54.9097
Mo 202.032	0.8954	0.6992	0.6005
Na 330.237	5302.80	5089.02	4918.61
Ni 231.604	1.2185	1.4394	1.0483
Pb 220.353	-1.2297u	2.9075	1.7084
Sb 206.834	-1.5080u	-2.7237u	-1.0961u
Se 196.026	-0.9351u	-2.6821u	1.5784
Sn 189.925	-0.4569u	2.4755	-2.0908u
Sr 216.596	49.3919	49.6060	49.1183
Ti 334.941	0.6471	0.6753	0.6469
Tl 190.794	2.8342	-3.1598u	1.7845
V 292.401	1.0947	0.9889	1.2658
Zn 206.200	-0.0450u	1.0396	0.9009

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2616	ppb	0.1946	74.4	-15.5912
Al 308.215	12.6027	ppb	0.8964	7.1	481.678
As 188.980	0.4260	ppb	3.5924	843.3	-4.7281
B 249.678	150.522	ppb	0.5912	0.4	2625.43
Ba 389.178	20.3577	ppb	0.1187	0.6	527.279
Be 313.042	0.1230	ppb	0.0014	1.1	-3157.98
Ca 370.602	7771	ppb	2.673	0.0	38718
Cd 226.502	-0.0955	ppb	0.0565	59.2	23.1550
Co 228.615	0.3652	ppb	0.3937	107.8	-13.5485
Cr 267.716	0.0372	ppb	0.1510	406.0	1.7646
Cu 324.754	1.2430	ppb	0.1293	10.4	275.843
Fe 271.441	197.215	ppb	2.2508	1.1	296.732
K 766.491	1715.19	ppb	0.8265	0.0	236455
Mg 279.078	2844.19	ppb	1.9314	0.1	8026.67
Mn 257.610	54.9226	ppb	0.0308	0.1	10194.1
Mo 202.032	0.7317	ppb	0.1501	20.5	11.9063
Na 330.237	5103.48	ppb	192.504	3.8	445.172
Ni 231.604	1.2354	ppb	0.1961	15.9	9.4340
Pb 220.353	1.1287	ppb	2.1286	188.6	3.6289
Sb 206.834	-1.7759	ppb	0.8462	47.6	6.4951
Se 196.026	-0.6796	ppb	2.1417	315.1	7.4554

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	-0.0241	ppb	2.3137	9618.8	-9.9678
Sr 216.596	49.3721	ppb	0.2445	0.5	549.526
Ti 334.941	0.6565	ppb	0.0164	2.5	218.853
Tl 190.794	0.4863	ppb	3.2009	658.2	-10.1390
V 292.401	1.1165	ppb	0.1397	12.5	55.3993
Zn 206.200	0.6318	ppb	0.5903	93.4	3.5386

680-102332-A-3-A (Samp) **6/18/2014, 5:15:49 AM** **Rack 3, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	0.0859	0.5249	-0.1671u
Al 308.215	14.3764	13.3337	13.0196
As 188.980	-0.3976u	-2.4221u	-4.6141u
B 249.678	109.065	108.109	107.796
Ba 389.178	17.0706	16.7890	17.4903
Be 313.042	0.1155	0.1263	0.1397
Ca 370.602	7101	7074	7088
Cd 226.502	0.1881	0.0101	-0.0632u
Co 228.615	1.2115	0.1727	0.4902
Cr 267.716	0.1684	0.1086	0.1532
Cu 324.754	1.3188	1.2251	1.2382
Fe 271.441	195.826	199.198	188.317
K 766.491	1770.85	1769.30	1767.54
Mg 279.078	2645.27	2638.59	2639.71
Mn 257.610	19.6807	19.5880	19.6372
Mo 202.032	0.6285	1.0600	0.7286
Na 330.237	5273.79	5185.93	5198.01
Ni 231.604	2.0296	1.9504	2.0413
Pb 220.353	0.1546	0.1924	0.4107
Sb 206.834	-4.6359u	-4.4827u	-0.8720u
Se 196.026	-3.6091u	-0.4809u	-4.8022u
Sn 189.925	3.4516	2.9462	0.1674
Sr 216.596	45.5127	45.4129	45.0660
Ti 334.941	0.9159	0.9358	0.8837
Tl 190.794	-4.9753u	-4.3298u	-2.1764u
V 292.401	1.0357	0.8862	0.8377
Zn 206.200	2.5407	0.9339	1.6948

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1479	ppb	0.3502	236.7	-22.4848
Al 308.215	13.5766	ppb	0.7103	5.2	488.344
As 188.980	-2.4779	ppb	2.1088	85.1	-6.6042
B 249.678	108.323	ppb	0.6611	0.6	1913.28
Ba 389.178	17.1166	ppb	0.3529	2.1	438.100
Be 313.042	0.1272	ppb	0.0121	9.5	-3145.47
Ca 370.602	7088	ppb	13.71	0.2	35312
Cd 226.502	0.0450	ppb	0.1292	287.1	29.0263
Co 228.615	0.6248	ppb	0.5323	85.2	-10.8271
Cr 267.716	0.1434	ppb	0.0311	21.7	5.5102
Cu 324.754	1.2607	ppb	0.0507	4.0	277.573
Fe 271.441	194.447	ppb	5.5702	2.9	293.198

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	1769.23	ppb	1.6547	0.1	243836
Mg 279.078	2641.19	ppb	3.5779	0.1	7456.54
Mn 257.610	19.6353	ppb	0.0463	0.2	3667.22
Mo 202.032	0.8057	ppb	0.2259	28.0	12.4709
Na 330.237	5219.24	ppb	47.6211	0.9	452.962
Ni 231.604	2.0071	ppb	0.0494	2.5	12.4080
Pb 220.353	0.2526	ppb	0.1383	54.7	2.3677
Sb 206.834	-3.3302	ppb	2.1302	64.0	4.7836
Se 196.026	-2.9641	ppb	2.2317	75.3	6.4001
Sn 189.925	2.1884	ppb	1.7684	80.8	-8.2120
Sr 216.596	45.3305	ppb	0.2345	0.5	505.063
Ti 334.941	0.9118	ppb	0.0263	2.9	333.556
Tl 190.794	-3.8271	ppb	1.4656	38.3	-13.3117
V 292.401	0.9199	ppb	0.1032	11.2	47.1806
Zn 206.200	1.7231	ppb	0.8038	46.6	7.0719

680-102332-A-8-A (Samp) **6/18/2014, 5:20:28 AM** **Rack 3, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	0.0985	0.5319	-0.0684u
Al 308.215	10.3046	7.7432	9.8776
As 188.980	-7.5324u	-2.3671u	0.7786
B 249.678	132.537	132.396	132.141
Ba 389.178	22.3699	22.1563	21.8000
Be 313.042	0.1250	0.1300	0.1173
Ca 370.602	8014	7999	7996
Cd 226.502	-0.0716u	0.0343	-0.0705u
Co 228.615	0.4218	0.0554	-0.0830u
Cr 267.716	0.0561	-0.0304u	-0.0913u
Cu 324.754	0.8515	1.2236	0.9377
Fe 271.441	136.799	143.639	141.327
K 766.491	1999.11	1989.03	1993.52
Mg 279.078	2982.57	2979.28	2974.57
Mn 257.610	6.3450	6.3913	6.3718
Mo 202.032	1.1755	0.9154	0.5490
Na 330.237	9407.71	9328.78	9369.26
Ni 231.604	0.6508	1.9661	1.1348
Pb 220.353	2.7082	2.2361	1.1961
Sb 206.834	-5.4809u	-1.9176u	-1.8954u
Se 196.026	3.4343	-2.4125u	-5.1323u
Sn 189.925	3.3946	1.3596	1.7428
Sr 216.596	97.2463	96.8503	96.3184
Ti 334.941	0.6827	0.6690	0.6909
Tl 190.794	-1.6675u	0.4961	-2.5201u
V 292.401	1.2102	0.9578	1.0489
Zn 206.200	0.8514	0.5307	0.4780

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1873	ppb	0.3099	165.4	-20.1941
Al 308.215	9.3084	ppb	1.3723	14.7	459.122
As 188.980	-3.0403	ppb	4.1962	138.0	-6.9670

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	132.358	ppb	0.2007	0.2	2318.92
Ba 389.178	22.1087	ppb	0.2879	1.3	575.416
Be 313.042	0.1241	ppb	0.0064	5.1	-3155.22
Ca 370.602	8003	ppb	9.639	0.1	39876
Cd 226.502	-0.0359	ppb	0.0608	169.2	25.4276
Co 228.615	0.1314	ppb	0.2608	198.5	-16.0031
Cr 267.716	-0.0218	ppb	0.0741	339.1	-0.2690
Cu 324.754	1.0043	ppb	0.1948	19.4	262.365
Fe 271.441	140.588	ppb	3.4791	2.5	224.507
K 766.491	1993.89	ppb	5.0490	0.3	274522
Mg 279.078	2978.81	ppb	4.0192	0.1	8404.90
Mn 257.610	6.3694	ppb	0.0233	0.4	1216.47
Mo 202.032	0.8800	ppb	0.3148	35.8	13.0440
Na 330.237	9368.58	ppb	39.4711	0.4	732.484
Ni 231.604	1.2506	ppb	0.6653	53.2	9.4897
Pb 220.353	2.0468	ppb	0.7736	37.8	4.9514
Sb 206.834	-3.0980	ppb	2.0637	66.6	5.0361
Se 196.026	-1.3702	ppb	4.3774	319.5	7.1312
Sn 189.925	2.1657	ppb	1.0814	49.9	-8.2288
Sr 216.596	96.8050	ppb	0.4656	0.5	1068.26
Ti 334.941	0.6809	ppb	0.0111	1.6	229.783
Tl 190.794	-1.2305	ppb	1.5548	126.4	-11.4067
V 292.401	1.0723	ppb	0.1278	11.9	53.4480
Zn 206.200	0.6200	ppb	0.2021	32.6	3.4988

680-102332-A-9-A (Samp) **6/18/2014, 5:25:08 AM** **Rack 3, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	0.0518	-0.2111u	0.0371
Al 308.215	12.9633	13.6914	12.6087
As 188.980	1.4730	-0.8770u	0.3286
B 249.678	155.223	153.904	155.848
Ba 389.178	20.6992	19.6755	20.4003
Be 313.042	0.1259	0.1427	0.1382
Ca 370.602	8197	8164	8199
Cd 226.502	0.1276	-0.0871u	0.1045
Co 228.615	-0.1069u	-0.2187u	0.4539
Cr 267.716	0.0869	0.0324	-0.0692u
Cu 324.754	1.1544	1.2204	1.3010
Fe 271.441	175.477	178.847	183.974
K 766.491	2018.67	2007.86	2015.72
Mg 279.078	3023.95	3020.09	3027.45
Mn 257.610	4.8430	4.7955	4.8679
Mo 202.032	0.5504	1.1403	0.7815
Na 330.237	9234.39	9257.20	9525.81
Ni 231.604	0.3885	1.0825	2.7918
Pb 220.353	-2.0530u	-2.7260u	-0.1457u
Sb 206.834	-3.9766u	-1.0521u	-1.6217u
Se 196.026	-0.9080u	-7.0898u	1.9029
Sn 189.925	1.3949	0.2731	0.4873
Sr 216.596	102.247	101.082	102.490

Label	Replicates Concentration		
Ti 334.941	0.7759	0.7914	0.8016
Tl 190.794	-1.4543u	-0.5053u	-0.7891u
V 292.401	1.4698	1.2884	1.2040
Zn 206.200	1.1750	1.7033	1.0699

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0407	ppb	0.1477	362.6	-33.7587
Al 308.215	13.0878	ppb	0.5520	4.2	485.019
As 188.980	0.3082	ppb	1.1752	381.3	-4.8040
B 249.678	154.992	ppb	0.9923	0.6	2700.87
Ba 389.178	20.2583	ppb	0.5264	2.6	525.118
Be 313.042	0.1356	ppb	0.0087	6.4	-3119.21
Ca 370.602	8187	ppb	19.54	0.2	40791
Cd 226.502	0.0484	ppb	0.1179	243.8	29.1036
Co 228.615	0.0428	ppb	0.3604	842.5	-16.9243
Cr 267.716	0.0167	ppb	0.0792	474.3	1.0886
Cu 324.754	1.2253	ppb	0.0735	6.0	274.399
Fe 271.441	179.433	ppb	4.2785	2.4	274.050
K 766.491	2014.09	ppb	5.5856	0.3	277281
Mg 279.078	3023.83	ppb	3.6843	0.1	8531.24
Mn 257.610	4.8355	ppb	0.0368	0.8	933.278
Mo 202.032	0.8240	ppb	0.2972	36.1	12.6123
Na 330.237	9339.13	ppb	162.068	1.7	730.475
Ni 231.604	1.4209	ppb	1.2368	87.0	10.1484
Pb 220.353	-1.6416	ppb	1.3385	81.5	-0.3583
Sb 206.834	-2.2168	ppb	1.5504	69.9	6.0079
Se 196.026	-2.0316	ppb	4.6004	226.4	6.8309
Sn 189.925	0.7184	ppb	0.5955	82.9	-9.3773
Sr 216.596	101.940	ppb	0.7529	0.7	1124.51
Ti 334.941	0.7896	ppb	0.0130	1.6	278.975
Tl 190.794	-0.9162	ppb	0.4871	53.2	-11.1783
V 292.401	1.3207	ppb	0.1358	10.3	63.8373
Zn 206.200	1.3161	ppb	0.3394	25.8	5.7538

680-102332-A-10-A (Samp) **6/18/2014, 5:29:47 AM** **Rack 3, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	0.5972	-0.1294u	-0.1222u
Al 308.215	17.7452	15.1638	17.0088
As 188.980	3.7701	-1.1546u	0.5911
B 249.678	115.910	116.355	115.852
Ba 389.178	17.7918	17.4946	17.4266
Be 313.042	0.1356	0.1156	0.1397
Ca 370.602	6920	6919	6909
Cd 226.502	-0.0873u	-0.1110u	0.0625
Co 228.615	-0.1601u	0.4838	0.5413
Cr 267.716	-0.2424u	-0.1360u	0.0487
Cu 324.754	1.2033	0.8339	0.8932
Fe 271.441	194.971	196.863	193.177
K 766.491	1674.24	1677.36	1672.37
Mg 279.078	2615.84	2619.90	2610.26

Label	Replicates Concentration		
Mn 257.610	16.2405	16.4027	16.3376
Mo 202.032	1.0171	0.4956	0.3649
Na 330.237	4508.68	4339.33	4334.63
Ni 231.604	0.3765	1.0493	1.0303
Pb 220.353	3.8696	-2.0006u	-0.0937u
Sb 206.834	-0.2876u	0.0148	-2.4148u
Se 196.026	2.2659	1.2328	0.2712
Sn 189.925	-0.2627u	0.8064	1.2711
Sr 216.596	44.2142	43.5642	43.7277
Ti 334.941	1.0483	1.0171	1.0286
Tl 190.794	0.7596	-0.2100u	0.9151
V 292.401	0.9371	0.8951	0.9635
Zn 206.200	0.4612	0.6664	0.6736

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1152	ppb	0.4174	362.4	-24.4418
Al 308.215	16.6393	ppb	1.3298	8.0	509.313
As 188.980	1.0689	ppb	2.4969	233.6	-4.3128
B 249.678	116.039	ppb	0.2754	0.2	2043.51
Ba 389.178	17.5710	ppb	0.1942	1.1	450.428
Be 313.042	0.1303	ppb	0.0128	9.9	-3135.66
Ca 370.602	6916	ppb	6.034	0.1	34456
Cd 226.502	-0.0453	ppb	0.0941	207.9	25.2613
Co 228.615	0.2883	ppb	0.3894	135.1	-14.3434
Cr 267.716	-0.1099	ppb	0.1473	134.0	-3.4259
Cu 324.754	0.9768	ppb	0.1984	20.3	262.028
Fe 271.441	195.004	ppb	1.8430	0.9	293.895
K 766.491	1674.66	ppb	2.5219	0.2	230919
Mg 279.078	2615.33	ppb	4.8369	0.2	7383.93
Mn 257.610	16.3269	ppb	0.0816	0.5	3055.25
Mo 202.032	0.6259	ppb	0.3450	55.1	11.0983
Na 330.237	4394.21	ppb	99.1605	2.3	397.391
Ni 231.604	0.8187	ppb	0.3831	46.8	7.8281
Pb 220.353	0.5917	ppb	2.9945	506.1	2.8556
Sb 206.834	-0.8959	ppb	1.3241	147.8	7.4639
Se 196.026	1.2567	ppb	0.9976	79.4	8.3279
Sn 189.925	0.6049	ppb	0.7865	130.0	-9.4689
Sr 216.596	43.8354	ppb	0.3381	0.8	488.713
Ti 334.941	1.0313	ppb	0.0158	1.5	387.553
Tl 190.794	0.4882	ppb	0.6097	124.9	-10.1463
V 292.401	0.9319	ppb	0.0345	3.7	47.7644
Zn 206.200	0.6004	ppb	0.1206	20.1	3.4374

190-4368-A-1-A (Samp) **6/18/2014, 5:34:27 AM** **Rack 3, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	0.2310	-0.0917u	0.1009
Al 308.215	5.4896	6.3238	5.5440
As 188.980	0.7849	1.1607	3.6748
B 249.678	14.9015	14.5016	14.4357
Ba 389.178	12.0276	12.9877	12.7197

Label	Replicates Concentration		
Be 313.042	0.1211	0.1179	0.1178
Ca 370.602	25844	25830	25887
Cd 226.502	-0.0312u	-0.0950u	-0.0784u
Co 228.615	0.0712	0.0893	0.6241
Cr 267.716	0.0969	0.1257	-0.0134u
Cu 324.754	3.9080	3.7553	3.7996
Fe 271.441	-11.1137u	-15.8292u	-18.7512u
K 766.491	1153.36	1154.96	1156.03
Mg 279.078	5571.22	5572.98	5577.61
Mn 257.610	0.0394	0.1105	0.0209
Mo 202.032	0.6010	0.7057	0.5048
Na 330.237	22072.2	22249.5	22133.6
Ni 231.604	-0.1067u	0.7242	-0.4166u
Pb 220.353	-0.4144u	2.2863	1.5802
Sb 206.834	-7.8641u	-9.5863u	-1.9341u
Se 196.026	-0.3325	-2.4449u	2.5184
Sn 189.925	-0.3710u	5.7622	1.4330
Sr 216.596	94.8084	94.1734	94.0005
Ti 334.941	1.1500	1.1743	1.1337
Tl 190.794	-5.1909u	-4.4648u	-4.9854u
V 292.401	0.3141	0.1315	0.2031
Zn 206.200	3.2913	3.1546	2.4300

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0801	ppb	0.1624	202.8	-26.6323
Al 308.215	5.7858	ppb	0.4667	8.1	434.913
As 188.980	1.8735	ppb	1.5713	83.9	-3.7910
B 249.678	14.6129	ppb	0.2520	1.7	331.974
Ba 389.178	12.5783	ppb	0.4954	3.9	323.167
Be 313.042	0.1189	ppb	0.0019	1.6	-3164.27
Ca 370.602	25853	ppb	29.79	0.1	128865
Cd 226.502	-0.0682	ppb	0.0331	48.6	23.4891
Co 228.615	0.2615	ppb	0.3141	120.1	-14.6330
Cr 267.716	0.0697	ppb	0.0734	105.3	3.1127
Cu 324.754	3.8209	ppb	0.0786	2.1	398.769
Fe 271.441	-15.2313	ppb	3.8537	25.3	25.9777
K 766.491	1154.78	ppb	1.3433	0.1	159909
Mg 279.078	5573.94	ppb	3.2972	0.1	15693.8
Mn 257.610	0.0569	ppb	0.0473	83.1	68.4520
Mo 202.032	0.6038	ppb	0.1005	16.6	10.9539
Na 330.237	22151.8	ppb	90.0423	0.4	1593.58
Ni 231.604	0.0670	ppb	0.5899	880.9	4.9210
Pb 220.353	1.1507	ppb	1.4007	121.7	3.6642
Sb 206.834	-6.4615	ppb	4.0143	62.1	1.3411
Se 196.026	-0.0863	ppb	2.4908	2885.2	7.8344
Sn 189.925	2.2747	ppb	3.1521	138.6	-8.1385
Sr 216.596	94.3274	ppb	0.4254	0.5	1046.89
Ti 334.941	1.1527	ppb	0.0204	1.8	448.330
Tl 190.794	-4.8804	ppb	0.3742	7.7	-14.0768
V 292.401	0.2163	ppb	0.0920	42.5	17.7169
Zn 206.200	2.9586	ppb	0.4629	15.6	11.0656

190-4369-A-1-A (Samp) **6/18/2014, 5:39:07 AM** **Rack 3, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	-0.2708u	0.3519	-0.1322u
Al 308.215	27.5226	25.6761	28.0096
As 188.980	-4.1513u	1.4635	1.8862
B 249.678	13.8371	13.6914	13.7518
Ba 389.178	12.7429	12.7366	12.2982
Be 313.042	0.1114	0.1194	0.1129
Ca 370.602	27975	27941	27925
Cd 226.502	1.4404	1.5588	1.5110
Co 228.615	0.2973	0.4899	0.5609
Cr 267.716	0.2490	0.1756	0.0428
Cu 324.754	14.9744	15.3282	14.3721
Fe 271.441	35.6100	36.2939	39.2924
K 766.491	1155.27	1154.03	1153.49
Mg 279.078	7826.06	7812.03	7814.49
Mn 257.610	2.6897	2.5962	2.6765
Mo 202.032	0.5095	0.7798	0.7064
Na 330.237	5759.39	5913.01	5811.64
Ni 231.604	1.3217	-0.1149u	2.2874
Pb 220.353	2.4016	0.4182	-3.7135u
Sb 206.834	-5.9085u	-5.4462u	-0.6305u
Se 196.026	-3.4668u	-16.9583u	-2.3818u
Sn 189.925	2.0413	0.8856	1.5242
Sr 216.596	99.8382	100.069	99.4141
Ti 334.941	0.0486	0.0742	0.0718
Tl 190.794	-1.9623u	-1.1185u	3.2709
V 292.401	0.1957	0.2921	0.2294
Zn 206.200	366.802	367.675	366.253

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0170	ppb	0.3269	1920.7	-32.4250
Al 308.215	27.0694	ppb	1.2310	4.5	580.729
As 188.980	-0.2672	ppb	3.3704	1261.3	-5.1745
B 249.678	13.7601	ppb	0.0732	0.5	317.567
Ba 389.178	12.5926	ppb	0.2550	2.0	330.957
Be 313.042	0.1146	ppb	0.0043	3.7	-3174.10
Ca 370.602	27947	ppb	25.84	0.1	139300
Cd 226.502	1.5034	ppb	0.0595	4.0	89.4977
Co 228.615	0.4493	ppb	0.1364	30.3	-12.6862
Cr 267.716	0.1558	ppb	0.1045	67.1	5.9574
Cu 324.754	14.8916	ppb	0.4834	3.2	1009.75
Fe 271.441	37.0654	ppb	1.9587	5.3	92.6480
K 766.491	1154.26	ppb	0.9141	0.1	159838
Mg 279.078	7817.52	ppb	7.4937	0.1	21994.7
Mn 257.610	2.6542	ppb	0.0506	1.9	565.945
Mo 202.032	0.6652	ppb	0.1398	21.0	11.4164
Na 330.237	5828.01	ppb	78.1056	1.3	492.801
Ni 231.604	1.1647	ppb	1.2088	103.8	9.1546
Pb 220.353	-0.2979	ppb	3.1198	1047.2	1.5774
Sb 206.834	-3.9950	ppb	2.9230	73.2	4.0554
Se 196.026	-7.6023	ppb	8.1207	106.8	4.4146

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	1.4837	ppb	0.5789	39.0	-8.7710
Sr 216.596	99.7738	ppb	0.3322	0.3	1107.13
Ti 334.941	0.0649	ppb	0.0141	21.8	-34.8786
Tl 190.794	0.0634	ppb	2.8097	4434.9	-10.4524
V 292.401	0.2391	ppb	0.0489	20.5	18.8537
Zn 206.200	366.910	ppb	0.7174	0.2	1189.54

Cont Calib Verif (CCV) **6/18/2014, 5:43:47 AM** **Rack 3, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	485.719	480.432	483.222
Al 308.215	4744.80	4724.88	4749.78
As 188.980	468.615	464.320	464.904
B 249.678	473.659	472.414	473.923
Ba 389.178	4852.21	4835.07	4840.66
Be 313.042	483.311	481.669	481.238
Ca 370.602	4904	4877	4889
Cd 226.502	483.686	482.951	483.091
Co 228.615	487.368	485.531	484.743
Cr 267.716	4816.28	4805.83	4813.72
Cu 324.754	4885.83	4950.19	4910.03
Fe 271.441	4818.40	4788.34	4808.75
K 766.491	9704.84	9672.84	9696.58
Mg 279.078	4774.52	4743.21	4754.22
Mn 257.610	4892.46	4881.05	4902.82
Mo 202.032	485.959	484.210	484.249
Na 330.237	7061.06	7099.40	7086.27
Ni 231.604	2419.47	2400.65	2391.83
Pb 220.353	489.240	486.502	486.937
Sb 206.834	949.316	949.505	950.857
Se 196.026	4814.57	4793.76	4792.29
Sn 189.925	4845.14	4763.90	4812.23
Sr 216.596	2352.42	2345.10	2346.47
Ti 334.941	479.362	477.866	478.683
Tl 190.794	4883.99	4878.68	4861.54
V 292.401	4834.58	4819.07	4828.82
Zn 206.200	2403.14	2398.11	2395.97

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	483.124	ppb	2.6448	0.5	28713.9	96.62489
Al 308.215	4739.82	ppb	13.1735	0.3	33195.8	94.79639
As 188.980	465.946	ppb	2.3296	0.5	296.139	93.18928
B 249.678	473.332	ppb	0.8056	0.2	8085.05	94.66641
Ba 389.178	4842.65	ppb	8.7419	0.2	132263	96.85296
Be 313.042	482.073	ppb	1.0941	0.2	1505725	96.41457
Ca 370.602	4890	ppb	13.41	0.3	24409	97.80347
Cd 226.502	483.243	ppb	0.3901	0.1	20243.0	96.64856
Co 228.615	485.880	ppb	1.3471	0.3	5066.89	97.17609
Cr 267.716	4811.94	ppb	5.4455	0.1	169503	96.23885
Cu 324.754	4915.35	ppb	32.5074	0.7	272419	98.30700
Fe 271.441	4805.17	ppb	15.3493	0.3	6238.48	96.10335

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9691.42	ppb	16.6089	0.2	1325930	96.91419
Mg 279.078	4757.32	ppb	15.8857	0.3	13387.7	95.14633
Mn 257.610	4892.11	ppb	10.8865	0.2	904722	97.84219
Mo 202.032	484.806	ppb	0.9987	0.2	3703.66	96.96113
Na 330.237	7082.24	ppb	19.4849	0.3	559.458	94.42990
Ni 231.604	2403.98	ppb	14.1174	0.6	9269.15	96.15929
Pb 220.353	487.560	ppb	1.4711	0.3	705.813	97.51191
Sb 206.834	949.893	ppb	0.8401	0.1	1081.96	94.98928
Se 196.026	4800.21	ppb	12.4578	0.3	2203.18	96.00416
Sn 189.925	4807.09	ppb	40.8649	0.9	3804.94	96.14178
Sr 216.596	2348.00	ppb	3.8916	0.2	25565.4	93.91989
Ti 334.941	478.637	ppb	0.7489	0.2	215985	95.72740
Tl 190.794	4874.74	ppb	11.7314	0.2	3571.73	97.49476
V 292.401	4827.49	ppb	7.8385	0.2	200539	96.54984
Zn 206.200	2399.07	ppb	3.6832	0.2	7751.59	95.96290

Cont Calib Blank (CCB) **6/18/2014, 5:48:27 AM** **Rack 3, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.0646	0.5226	0.1752
Al 308.215	-3.8171u	-4.4383u	-4.3109u
As 188.980	4.0253	1.9861	1.4490
B 249.678	2.3297	2.1262	1.7394
Ba 389.178	1.0672	0.9909	1.1380
Be 313.042	0.1927	0.1900	0.1659
Ca 370.602	6.555	4.261	4.497
Cd 226.502	0.1093	0.2204	0.2454
Co 228.615	-0.2154u	-0.0031u	0.3810
Cr 267.716	0.6122	0.5426	0.3839
Cu 324.754	0.7490	0.5547	0.7007
Fe 271.441	-0.9027u	0.7719	-2.8731u
K 766.491	-0.0477u	-0.1683u	-0.3440u
Mg 279.078	1.9781	0.8075	1.8221
Mn 257.610	0.5938	0.4276	0.3879
Mo 202.032	0.0648	0.6525	0.4115
Na 330.237	-46.7747u	-24.5215u	-49.7206u
Ni 231.604	1.1681	1.2606	1.4539
Pb 220.353	1.9772	-2.1110u	-2.7902u
Sb 206.834	-2.2288u	-2.2228u	-1.1754u
Se 196.026	-14.7129u	-2.3469u	-2.2645u
Sn 189.925	3.6865	2.9947	3.5875
Sr 216.596	-0.1320u	0.1642	0.4545
Ti 334.941	0.1514	0.1440	0.0878
Tl 190.794	0.6480	-1.8936u	-0.6004u
V 292.401	0.5115	0.3675	0.4091
Zn 206.200	1.3128	0.2402	0.8945

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2541	ppb	0.2390	94.0	-16.1857	0.25414
Al 308.215	-4.1888	ppb	0.3281	7.8	366.575	-4.18880
As 188.980	2.4868	ppb	1.3591	54.7	-3.3949	2.48679

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	2.0651	ppb	0.2998	14.5	120.235	2.06510
Ba 389.178	1.0654	ppb	0.0736	6.9	-9.2947	1.06537
Be 313.042	0.1829	ppb	0.0147	8.1	-2974.19	0.18286
Ca 370.602	5.104	ppb	1.262	24.7	7.718	5.10414
Cd 226.502	0.1917	ppb	0.0725	37.8	34.4497	0.19170
Co 228.615	0.0542	ppb	0.3023	558.2	-16.8194	0.05416
Cr 267.716	0.5129	ppb	0.1170	22.8	18.4779	0.51289
Cu 324.754	0.6682	ppb	0.1012	15.1	252.550	0.66815
Fe 271.441	-1.0013	ppb	1.8245	182.2	44.0893	-1.00128
K 766.491	-0.1867	ppb	0.1490	79.8	2150.89	-0.18667
Mg 279.078	1.5359	ppb	0.6356	41.4	43.5589	1.53591
Mn 257.610	0.4698	ppb	0.1092	23.2	102.554	0.46978
Mo 202.032	0.3763	ppb	0.2954	78.5	9.2151	0.37629
Na 330.237	-40.3390	ppb	13.7773	34.2	98.8063	-40.33902
Ni 231.604	1.2942	ppb	0.1458	11.3	9.6511	1.29419
Pb 220.353	-0.9747	ppb	2.5789	264.6	0.6066	-0.97465
Sb 206.834	-1.8756	ppb	0.6065	32.3	6.3963	-1.87564
Se 196.026	-6.4414	ppb	7.1634	111.2	4.7537	-6.44144
Sn 189.925	3.4229	ppb	0.3741	10.9	-7.2338	3.42290
Sr 216.596	0.1622	ppb	0.2933	180.8	8.6483	0.16221
Ti 334.941	0.1278	ppb	0.0348	27.2	-26.9575	0.12776
Tl 190.794	-0.6154	ppb	1.2709	206.5	-10.9485	-0.61535
V 292.401	0.4294	ppb	0.0741	17.3	26.7413	0.42938
Zn 206.200	0.8158	ppb	0.5406	66.3	4.1261	0.81584

190-4370-A-1-A (Samp) **6/18/2014, 5:53:07 AM** **Rack 3, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	0.5154	0.3000	0.0610
Al 308.215	141.890	140.913	141.310
As 188.980	-0.9563u	-6.6800u	4.3315
B 249.678	14.8119	14.3254	14.2211
Ba 389.178	14.4770	14.9060	14.7302
Be 313.042	0.1523	0.1462	0.1431
Ca 370.602	26751	26718	26728
Cd 226.502	0.1457	0.1338	0.0723
Co 228.615	-0.0372	0.6292	0.5225
Cr 267.716	0.3115	0.4713	0.2650
Cu 324.754	383.495	381.763	378.187
Fe 271.441	501.449	506.330	510.104
K 766.491	1130.43	1133.35	1129.72
Mg 279.078	8209.86	8219.51	8212.90
Mn 257.610	39.3853	39.1121	39.2303
Mo 202.032	0.6344	1.2004	0.4467
Na 330.237	13018.7	12963.1	13075.7
Ni 231.604	3.0996	3.8569	3.0199
Pb 220.353	9.2392	8.2633	9.4482
Sb 206.834	-5.3818u	-1.5349u	-5.0688u
Se 196.026	0.1575	7.9331	-3.9820u
Sn 189.925	5.2744	1.0091	1.2089
Sr 216.596	96.2750	95.6391	95.2203

Label	Replicates Concentration		
Ti 334.941	19.1634	19.1547	19.1555
Tl 190.794	0.4408	-6.4022u	-3.8800u
V 292.401	0.1956	0.5656	0.3975
Zn 206.200	96.3197	95.6625	96.4047

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2921	ppb	0.2273	77.8	-13.9826
Al 308.215	141.371	ppb	0.4912	0.3	1363.79
As 188.980	-1.1016	ppb	5.5072	499.9	-5.7179
B 249.678	14.4528	ppb	0.3153	2.2	328.890
Ba 389.178	14.7044	ppb	0.2157	1.5	390.965
Be 313.042	0.1472	ppb	0.0047	3.2	-3073.83
Ca 370.602	26732	ppb	16.70	0.1	133242
Cd 226.502	0.1173	ppb	0.0394	33.6	33.1880
Co 228.615	0.3715	ppb	0.3579	96.3	-13.0995
Cr 267.716	0.3493	ppb	0.1082	31.0	12.8591
Cu 324.754	381.148	ppb	2.7069	0.7	21299.6
Fe 271.441	505.961	ppb	4.3392	0.9	690.166
K 766.491	1131.17	ppb	1.9250	0.2	156683
Mg 279.078	8214.09	ppb	4.9368	0.1	23107.3
Mn 257.610	39.2426	ppb	0.1370	0.3	7336.16
Mo 202.032	0.7605	ppb	0.3924	51.6	12.0925
Na 330.237	13019.2	ppb	56.2920	0.4	977.539
Ni 231.604	3.3255	ppb	0.4620	13.9	17.5035
Pb 220.353	8.9836	ppb	0.6324	7.0	14.9144
Sb 206.834	-3.9952	ppb	2.1364	53.5	4.0538
Se 196.026	1.3695	ppb	6.0493	441.7	8.5264
Sn 189.925	2.4975	ppb	2.4070	96.4	-7.9644
Sr 216.596	95.7115	ppb	0.5311	0.6	1062.66
Ti 334.941	19.1579	ppb	0.0048	0.0	8584.09
Tl 190.794	-3.2805	ppb	3.4606	105.5	-12.9227
V 292.401	0.3862	ppb	0.1852	48.0	25.4260
Zn 206.200	96.1290	ppb	0.4062	0.4	312.767

190-4371-A-1-A (Samp) **6/18/2014, 5:57:48 AM** **Rack 3, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	0.2380	0.1467	0.1833
Al 308.215	37.1646	37.2375	35.4844
As 188.980	4.2964	0.4287	5.0857
B 249.678	22.7899	22.3668	22.5620
Ba 389.178	16.3110	15.5023	15.9465
Be 313.042	0.1260	0.1218	0.1198
Ca 370.602	34074	34112	34106
Cd 226.502	0.2389	0.1256	0.1562
Co 228.615	0.1857	0.1804	0.1265
Cr 267.716	0.3494	0.2136	0.1311
Cu 324.754	183.273	182.398	183.565
Fe 271.441	-3.0458u	-3.3156u	1.2474
K 766.491	1854.01	1847.04	1854.59
Mg 279.078	8678.75	8674.69	8686.89

Label	Replicates Concentration		
Mn 257.610	0.1686	0.1732	0.1857
Mo 202.032	0.8317	1.5310	1.6495
Na 330.237	34098.2	34272.1	34443.5
Ni 231.604	1.7448	1.8078	1.3921
Pb 220.353	7.7242	3.0258	4.4674
Sb 206.834	-5.9450u	-5.1996u	-1.4403u
Se 196.026	-9.0566u	-4.0366u	-2.5168u
Sn 189.925	1.1769	-0.5820u	4.7932
Sr 216.596	164.738	165.284	165.050
Ti 334.941	3.9227	3.9446	3.8831
Tl 190.794	-4.0391u	0.1075	-3.3923u
V 292.401	0.4816	0.3266	0.1547
Zn 206.200	26.4662	28.2084	27.4547

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1893	ppb	0.0459	24.3	-20.1895
Al 308.215	36.6288	ppb	0.9918	2.7	646.275
As 188.980	3.2703	ppb	2.4923	76.2	-2.8885
B 249.678	22.5729	ppb	0.2118	0.9	466.352
Ba 389.178	15.9199	ppb	0.4050	2.5	424.542
Be 313.042	0.1225	ppb	0.0031	2.6	-3150.88
Ca 370.602	34098	ppb	20.48	0.1	169964
Cd 226.502	0.1736	ppb	0.0586	33.8	33.6293
Co 228.615	0.1642	ppb	0.0328	20.0	-15.6155
Cr 267.716	0.2314	ppb	0.1102	47.7	8.9462
Cu 324.754	183.079	ppb	0.6074	0.3	10319.7
Fe 271.441	-1.7047	ppb	2.5601	150.2	43.1991
K 766.491	1851.88	ppb	4.2043	0.2	255125
Mg 279.078	8680.11	ppb	6.2114	0.1	24417.4
Mn 257.610	0.1758	ppb	0.0089	5.0	114.013
Mo 202.032	1.3374	ppb	0.4420	33.0	16.5516
Na 330.237	34271.3	ppb	172.646	0.5	2409.77
Ni 231.604	1.6482	ppb	0.2240	13.6	11.0156
Pb 220.353	5.0725	ppb	2.4070	47.5	9.3049
Sb 206.834	-4.1949	ppb	2.4145	57.6	3.8208
Se 196.026	-5.2033	ppb	3.4225	65.8	5.5517
Sn 189.925	1.7960	ppb	2.7406	152.6	-8.5148
Sr 216.596	165.024	ppb	0.2738	0.2	1822.63
Ti 334.941	3.9168	ppb	0.0312	0.8	1703.12
Tl 190.794	-2.4413	ppb	2.2309	91.4	-12.2884
V 292.401	0.3210	ppb	0.1635	50.9	21.8083
Zn 206.200	27.3765	ppb	0.8737	3.2	90.1299

680-102226-A-1-A (Samp) **6/18/2014, 6:02:28 AM** **Rack 3, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	-0.3673u	0.1611	-0.0980u
Al 308.215	-5.2957u	-5.0271u	-3.1554u
As 188.980	1.0577	-1.7483u	-0.0950u
B 249.678	-1.5937u	-0.5844u	-1.5629u
Ba 389.178	-0.1229u	0.4897	0.6755

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Label	Replicates Concentration		
Be 313.042	0.1634	0.1616	0.1438
Ca 370.602	9.489	13.79	10.02
Cd 226.502	0.0837	0.0732	-0.0357u
Co 228.615	0.0483	0.0875	0.5637
Cr 267.716	0.1433	0.2139	-0.2798u
Cu 324.754	0.3151	0.2648	0.2755
Fe 271.441	-4.7635u	6.0009	8.5304
K 766.491	0.1213	0.3810	0.3879
Mg 279.078	2.4898	5.3003	2.9677
Mn 257.610	0.0204	-0.0313u	-0.0402u
Mo 202.032	0.6875	-0.3095u	-0.0839u
Na 330.237	53.9029	15.9000	-7.2546u
Ni 231.604	0.9072	1.1635	1.6232
Pb 220.353	0.1872	3.4508	1.0123
Sb 206.834	-4.0676u	-3.9131u	-0.2104u
Se 196.026	-0.7857u	-3.2719u	-4.6496u
Sn 189.925	3.2819	1.8194	3.9497
Sr 216.596	-0.0951u	0.4647	-0.5839u
Ti 334.941	0.0380	0.0705	0.0507
Tl 190.794	-3.1351u	2.2446	-1.9506u
V 292.401	-0.0467u	0.0565	0.0734
Zn 206.200	0.3263	0.4942	-0.0754u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1014	ppb	0.2642	260.6	-37.3194
Al 308.215	-4.4927	ppb	1.1659	26.0	364.441
As 188.980	-0.2619	ppb	1.4104	538.6	-5.1709
B 249.678	-1.2470	ppb	0.5741	46.0	64.3242
Ba 389.178	0.3474	ppb	0.4178	120.3	-28.8881
Be 313.042	0.1563	ppb	0.0109	6.9	-3057.45
Ca 370.602	11.10	ppb	2.344	21.1	37.50
Cd 226.502	0.0404	ppb	0.0661	163.8	28.1401
Co 228.615	0.2332	ppb	0.2869	123.1	-14.9381
Cr 267.716	0.0258	ppb	0.2670	1035.4	1.3189
Cu 324.754	0.2851	ppb	0.0265	9.3	231.328
Fe 271.441	3.2559	ppb	7.0593	216.8	49.5224
K 766.491	0.2967	ppb	0.1520	51.2	2216.92
Mg 279.078	3.5859	ppb	1.5038	41.9	49.3049
Mn 257.610	-0.0170	ppb	0.0327	192.4	12.5638
Mo 202.032	0.0980	ppb	0.5228	533.4	7.0907
Na 330.237	20.8494	ppb	30.8777	148.1	102.929
Ni 231.604	1.2313	ppb	0.3628	29.5	9.4090
Pb 220.353	1.5501	ppb	1.6970	109.5	4.2404
Sb 206.834	-2.7304	ppb	2.1837	80.0	5.4589
Se 196.026	-2.9024	ppb	1.9583	67.5	6.3717
Sn 189.925	3.0170	ppb	1.0896	36.1	-7.5559
Sr 216.596	-0.0714	ppb	0.5247	734.7	6.1147
Ti 334.941	0.0531	ppb	0.0163	30.8	-60.6626
Tl 190.794	-0.9470	ppb	2.8268	298.5	-11.1924
V 292.401	0.0278	ppb	0.0650	234.3	10.1605
Zn 206.200	0.2484	ppb	0.2927	117.8	2.2907

680-102226-A-2-A (Samp) **6/18/2014, 6:07:09 AM** **Rack 3, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	0.3623	-0.1223u	0.6100
Al 308.215	-2.0776u	1.0407	-1.6215u
As 188.980	-3.2009u	3.5428	2.6538
B 249.678	7.7197	7.5142	7.2729
Ba 389.178	8.8195	8.3964	7.5763
Be 313.042	0.1384	0.1399	0.1186
Ca 370.602	25314	25325	25349
Cd 226.502	0.0600	0.1925	-0.0259u
Co 228.615	0.4699	0.3335	0.2808
Cr 267.716	0.1539	0.0475	0.1388
Cu 324.754	3.1191	3.5626	3.3965
Fe 271.441	74.8882	69.5246	73.4005
K 766.491	474.070	475.227	476.064
Mg 279.078	5424.35	5430.56	5441.45
Mn 257.610	9.5742	9.5913	9.5890
Mo 202.032	7.9529	7.9680	8.4281
Na 330.237	4607.95	4313.16	4356.23
Ni 231.604	2.0687	2.0873	2.8821
Pb 220.353	-0.1108u	3.2480	4.3229
Sb 206.834	-2.8793u	-2.3496u	-0.2837u
Se 196.026	-10.3106u	-10.0481u	3.8345
Sn 189.925	-0.5170u	-0.0407u	0.6171
Sr 216.596	136.458	135.392	135.842
Ti 334.941	0.0761	0.0926	0.0685
Tl 190.794	-2.9906u	-3.3053u	-4.4252u
V 292.401	0.1083	0.0700	0.1900
Zn 206.200	1.3869	2.1909	1.0326

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2833	ppb	0.3725	131.5	-14.5216
Al 308.215	-0.8861	ppb	1.6842	190.1	389.757
As 188.980	0.9986	ppb	3.6639	366.9	-4.3548
B 249.678	7.5023	ppb	0.2237	3.0	211.921
Ba 389.178	8.2641	ppb	0.6321	7.6	205.111
Be 313.042	0.1323	ppb	0.0119	9.0	-3121.12
Ca 370.602	25329	ppb	17.59	0.1	126250
Cd 226.502	0.0755	ppb	0.1101	145.7	29.9136
Co 228.615	0.3614	ppb	0.0976	27.0	-13.7983
Cr 267.716	0.1134	ppb	0.0576	50.8	4.4534
Cu 324.754	3.3594	ppb	0.2241	6.7	373.969
Fe 271.441	72.6045	ppb	2.7690	3.8	137.908
K 766.491	475.120	ppb	1.0009	0.2	67073.2
Mg 279.078	5432.12	ppb	8.6572	0.2	15295.2
Mn 257.610	9.5848	ppb	0.0093	0.1	1829.62
Mo 202.032	8.1163	ppb	0.2701	3.3	68.2906
Na 330.237	4425.78	ppb	159.224	3.6	399.592
Ni 231.604	2.3460	ppb	0.4643	19.8	13.7082
Pb 220.353	2.4867	ppb	2.3128	93.0	5.5780
Sb 206.834	-1.8375	ppb	1.3715	74.6	6.2667
Se 196.026	-5.5081	ppb	8.0920	146.9	5.3563

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.0198	ppb	0.5695	2874.9	-9.9332
Sr 216.596	135.898	ppb	0.5351	0.4	1501.17
Ti 334.941	0.0790	ppb	0.0123	15.6	-34.7407
Tl 190.794	-3.5737	ppb	0.7540	21.1	-13.1254
V 292.401	0.1228	ppb	0.0613	49.9	11.7106
Zn 206.200	1.5368	ppb	0.5935	38.6	6.4648

680-102226-A-3-A (Samp) **6/18/2014, 6:11:49 AM** **Rack 3, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	0.0185	0.2628	0.3808
Al 308.215	11.1735	7.9468	12.0920
As 188.980	4.1451	-1.9489u	4.8155
B 249.678	12.9071	13.1853	13.4725
Ba 389.178	10.6776	9.7557	10.2427
Be 313.042	0.1407	0.1314	0.1390
Ca 370.602	36106	36101	36120
Cd 226.502	0.0587	0.0907	0.1229
Co 228.615	-0.2693u	-0.1625u	0.1773
Cr 267.716	0.0446	0.4895	0.3760
Cu 324.754	0.6400u	0.4544u	0.3574u
Fe 271.441	22.5739	20.0855	7.7689
K 766.491	1090.04	1089.95	1092.21
Mg 279.078	6476.60	6486.20	6488.89
Mn 257.610	3.5417	3.4869	3.5586
Mo 202.032	11.3301	11.2683	11.3083
Na 330.237	10404.9	10391.6	10311.1
Ni 231.604	1.7203	0.5700	0.0635
Pb 220.353	0.5031	0.2408	0.0257
Sb 206.834	-3.9129u	-1.8995u	-2.5396u
Se 196.026	1.3365	9.3908	5.1669
Sn 189.925	0.0094	1.9558	4.0483
Sr 216.596	79.1286	79.4478	79.7157
Ti 334.941	0.0587	0.1149	0.0973
Tl 190.794	-3.6337u	0.6305	-2.8421u
V 292.401	0.3246	0.4730	0.6609
Zn 206.200	0.3263	-0.5845u	0.3846

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2207	ppb	0.1848	83.7	-18.2852
Al 308.215	10.4041	ppb	2.1770	20.9	467.364
As 188.980	2.3372	ppb	3.7270	159.5	-3.4884
B 249.678	13.1883	ppb	0.2827	2.1	307.984
Ba 389.178	10.2253	ppb	0.4612	4.5	261.966
Be 313.042	0.1370	ppb	0.0050	3.6	-3102.09
Ca 370.602	36109	ppb	9.529	0.0	179990
Cd 226.502	0.0908	ppb	0.0321	35.3	30.3339
Co 228.615	-0.0848	ppb	0.2332	274.9	-18.5559
Cr 267.716	0.3034	ppb	0.2312	76.2	11.2110
Cu 324.754	0.4839	ppb	0.1436	29.7	202.898
Fe 271.441	16.8094	ppb	7.9276	47.2	66.7784

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	1090.74	ppb	1.2810	0.1	151160
Mg 279.078	6483.90	ppb	6.4604	0.1	18249.3
Mn 257.610	3.5291	ppb	0.0375	1.1	717.647
Mo 202.032	11.3022	ppb	0.0313	0.3	92.6160
Na 330.237	10369.2	ppb	50.7321	0.5	799.954
Ni 231.604	0.7846	ppb	0.8490	108.2	7.6883
Pb 220.353	0.2565	ppb	0.2391	93.2	2.3649
Sb 206.834	-2.7840	ppb	1.0287	37.0	5.1572
Se 196.026	5.2980	ppb	4.0288	76.0	10.3672
Sn 189.925	2.0045	ppb	2.0199	100.8	-8.3564
Sr 216.596	79.4307	ppb	0.2939	0.4	887.121
Ti 334.941	0.0903	ppb	0.0287	31.8	-27.4816
Tl 190.794	-1.9484	ppb	2.2682	116.4	-11.9328
V 292.401	0.4862	ppb	0.1685	34.7	25.7627
Zn 206.200	0.0422	ppb	0.5435	1289.1	1.6222

680-102226-A-4-A (Samp) **6/18/2014, 6:16:29 AM** **Rack 3, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-0.0747u	0.2082	0.2521
Al 308.215	12.0141	13.3759	14.8997
As 188.980	6.6178	1.3141	0.2023
B 249.678	13.1432	13.0302	12.3982
Ba 389.178	13.9801	13.1392	13.3243
Be 313.042	0.1446	0.1482	0.1315
Ca 370.602	35601	35581	35563
Cd 226.502	-0.0190	-0.0318	0.1046
Co 228.615	0.0024u	0.2953	-0.5143u
Cr 267.716	0.1272	0.2475	0.0916
Cu 324.754	4.1695	4.0874	4.1912
Fe 271.441	1314.10	1307.01	1325.17
K 766.491	1063.08	1060.67	1062.94
Mg 279.078	6427.36	6422.74	6427.15
Mn 257.610	99.6612	99.5706	99.6064
Mo 202.032	11.0855	10.9295	10.6439
Na 330.237	10006.8	10197.6	10177.0
Ni 231.604	0.5441	1.6216	1.2638
Pb 220.353	-1.5080u	3.2298	6.9281
Sb 206.834	-2.6084u	2.7768	-4.9650u
Se 196.026	-3.6308u	-7.5253u	-7.5476u
Sn 189.925	1.7956	-0.2140u	0.3864
Sr 216.596	78.6985	78.4671	79.8306
Ti 334.941	1.2476	1.2135	1.2412
Tl 190.794	-4.8139u	-3.1889u	-1.7983u
V 292.401	1.5619	1.2882	1.4355
Zn 206.200	2.2101	2.5980	2.4273

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1285	ppb	0.1774	138.0	-23.5270
Al 308.215	13.4299	ppb	1.4435	10.7	488.124
As 188.980	2.7114	ppb	3.4284	126.4	-3.2589

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	12.8572	ppb	0.4015	3.1	301.307
Ba 389.178	13.4812	ppb	0.4419	3.3	353.667
Be 313.042	0.1414	ppb	0.0087	6.2	-3088.16
Ca 370.602	35582	ppb	18.71	0.1	177337
Cd 226.502	0.0179	ppb	0.0753	420.3	31.9338
Co 228.615	-0.0722	ppb	0.4099	567.8	-18.3127
Cr 267.716	0.1554	ppb	0.0817	52.6	5.9825
Cu 324.754	4.1493	ppb	0.0548	1.3	406.478
Fe 271.441	1315.43	ppb	9.1501	0.7	1721.64
K 766.491	1062.23	ppb	1.3534	0.1	147267
Mg 279.078	6425.75	ppb	2.6062	0.0	18082.6
Mn 257.610	99.6127	ppb	0.0456	0.0	18488.8
Mo 202.032	10.8863	ppb	0.2239	2.1	89.2972
Na 330.237	10127.1	ppb	104.724	1.0	782.977
Ni 231.604	1.1431	ppb	0.5488	48.0	9.1325
Pb 220.353	2.8833	ppb	4.2287	146.7	6.1255
Sb 206.834	-1.5989	ppb	3.9684	248.2	6.4684
Se 196.026	-6.2346	ppb	2.2549	36.2	5.1421
Sn 189.925	0.6560	ppb	1.0316	157.3	-9.4267
Sr 216.596	78.9987	ppb	0.7296	0.9	883.514
Ti 334.941	1.2341	ppb	0.0181	1.5	488.941
Tl 190.794	-3.2670	ppb	1.5093	46.2	-12.9545
V 292.401	1.4285	ppb	0.1370	9.6	65.8419
Zn 206.200	2.4118	ppb	0.1944	8.1	9.3402

680-102226-A-5-A (Samp) **6/18/2014, 6:21:10 AM** **Rack 3, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	0.5453	0.0450	0.2646
Al 308.215	0.0845	-0.6101u	0.3093
As 188.980	-5.8173u	3.0839	-4.2154u
B 249.678	13.2409	12.6026	13.3994
Ba 389.178	11.0253	9.6479	10.1724
Be 313.042	0.1327	0.1254	0.1278
Ca 370.602	36009	36016	36014
Cd 226.502	0.0974	0.1562	0.0831
Co 228.615	0.5565	0.1473	0.1965
Cr 267.716	0.2356	0.0744	0.2034
Cu 324.754	4.7602	4.8949	4.6743
Fe 271.441	13.0372	15.8673	10.8361
K 766.491	1040.71	1039.69	1040.62
Mg 279.078	6381.41	6380.16	6381.83
Mn 257.610	3.1654	3.1266	3.2045
Mo 202.032	11.5148	10.9030	11.4773
Na 330.237	9787.68	10019.4	9828.88
Ni 231.604	2.1228	0.5436	1.2707
Pb 220.353	-1.2470u	1.5670	-0.4033u
Sb 206.834	-7.2695u	0.6718	-5.3442u
Se 196.026	0.5150	-5.6129u	0.2836
Sn 189.925	0.0853	-0.9848u	3.2908
Sr 216.596	91.8137	91.8496	92.4281

Label	Replicates Concentration		
Ti 334.941	0.0467	0.0818	0.0724
Tl 190.794	-3.9766u	-0.0812u	-5.2420u
V 292.401	0.7099	0.6609	1.0500
Zn 206.200	2.5625	1.9175	1.5085

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2850	ppb	0.2508	88.0	-14.4661
Al 308.215	-0.0721	ppb	0.4793	664.7	395.616
As 188.980	-2.3163	ppb	4.7448	204.8	-6.4948
B 249.678	13.0809	ppb	0.4218	3.2	306.158
Ba 389.178	10.2819	ppb	0.6952	6.8	263.162
Be 313.042	0.1286	ppb	0.0037	2.9	-3128.18
Ca 370.602	36013	ppb	3.871	0.0	179511
Cd 226.502	0.1122	ppb	0.0388	34.5	31.2091
Co 228.615	0.3001	ppb	0.2234	74.4	-14.5267
Cr 267.716	0.1711	ppb	0.0853	49.8	6.5428
Cu 324.754	4.7765	ppb	0.1112	2.3	440.784
Fe 271.441	13.2469	ppb	2.5221	19.0	62.2694
K 766.491	1040.34	ppb	0.5665	0.1	144277
Mg 279.078	6381.13	ppb	0.8649	0.0	17960.7
Mn 257.610	3.1655	ppb	0.0390	1.2	649.618
Mo 202.032	11.2984	ppb	0.3429	3.0	92.5870
Na 330.237	9878.64	ppb	123.600	1.3	766.908
Ni 231.604	1.3124	ppb	0.7905	60.2	9.7217
Pb 220.353	-0.0277	ppb	1.4441	5206.4	1.9562
Sb 206.834	-3.9806	ppb	4.1425	104.1	3.8385
Se 196.026	-1.6048	ppb	3.4731	216.4	7.2107
Sn 189.925	0.7971	ppb	2.2249	279.1	-9.3147
Sr 216.596	92.0305	ppb	0.3448	0.4	1024.85
Ti 334.941	0.0670	ppb	0.0181	27.1	-38.2430
Tl 190.794	-3.0999	ppb	2.6898	86.8	-12.7766
V 292.401	0.8069	ppb	0.2119	26.3	39.1345
Zn 206.200	1.9962	ppb	0.5314	26.6	7.9497

680-102226-A-6-A (Samp) **6/18/2014, 6:25:50 AM** **Rack 3, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	0.2082	0.0793	0.0825
Al 308.215	0.3233	0.7616	-2.2748u
As 188.980	-3.5585u	-3.3806u	-5.2560u
B 249.678	12.9035	12.7032	12.5770
Ba 389.178	10.1673	9.9597	10.1888
Be 313.042	0.1244	0.1336	0.1404
Ca 370.602	35424	35392	35400
Cd 226.502	0.0306	-0.1332u	-0.0896u
Co 228.615	-0.4517u	0.1913	0.3888
Cr 267.716	0.2575	0.1593	0.1921
Cu 324.754	0.2502u	0.9623	0.9355
Fe 271.441	20.4202	12.3021	5.9959
K 766.491	1064.90	1065.15	1064.50
Mg 279.078	6330.47	6318.14	6328.05

Label	Replicates Concentration		
Mn 257.610	3.4139	3.3841	3.3793
Mo 202.032	11.4479	11.7098	10.7810
Na 330.237	10140.2	10192.3	10218.6
Ni 231.604	1.5464	1.1767	0.7933
Pb 220.353	-1.3124u	-2.8249u	-1.5601u
Sb 206.834	-1.4721u	-5.4019u	0.5487
Se 196.026	9.1846	-11.5489u	-6.8358u
Sn 189.925	1.7803	5.5849	-1.9666u
Sr 216.596	77.9815	78.4726	77.9982
Ti 334.941	0.1293	0.0924	0.0593
Tl 190.794	-3.5525u	-4.2859u	-6.5787u
V 292.401	0.6033	0.5832	0.2496
Zn 206.200	1.1105	0.6213	1.3328

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1233	ppb	0.0735	59.6	-24.0687
Al 308.215	-0.3966	ppb	1.6412	413.8	393.375
As 188.980	-4.0650	ppb	1.0352	25.5	-7.6246
B 249.678	12.7279	ppb	0.1646	1.3	300.226
Ba 389.178	10.1053	ppb	0.1265	1.3	258.154
Be 313.042	0.1328	ppb	0.0081	6.1	-3115.71
Ca 370.602	35406	ppb	16.74	0.0	176484
Cd 226.502	-0.0641	ppb	0.0848	132.3	23.8339
Co 228.615	0.0428	ppb	0.4395	1026.3	-17.2215
Cr 267.716	0.2030	ppb	0.0500	24.6	7.6723
Cu 324.754	0.7160	ppb	0.4036	56.4	216.529
Fe 271.441	12.9061	ppb	7.2311	56.0	61.8006
K 766.491	1064.85	ppb	0.3252	0.0	147624
Mg 279.078	6325.55	ppb	6.5333	0.1	17804.6
Mn 257.610	3.3924	ppb	0.0187	0.6	691.147
Mo 202.032	11.3129	ppb	0.4789	4.2	92.6982
Na 330.237	10183.7	ppb	39.8863	0.4	787.461
Ni 231.604	1.1721	ppb	0.3766	32.1	9.1813
Pb 220.353	-1.8991	ppb	0.8112	42.7	-0.7371
Sb 206.834	-2.1084	ppb	3.0259	143.5	5.8985
Se 196.026	-3.0667	ppb	10.8685	354.4	6.5382
Sn 189.925	1.7995	ppb	3.7758	209.8	-8.5191
Sr 216.596	78.1508	ppb	0.2788	0.4	872.882
Ti 334.941	0.0937	ppb	0.0350	37.4	-26.3730
Tl 190.794	-4.8057	ppb	1.5786	32.8	-14.0288
V 292.401	0.4787	ppb	0.1987	41.5	25.4309
Zn 206.200	1.0215	ppb	0.3640	35.6	4.7935

680-102226-A-7-A (Samp) **6/18/2014, 6:30:30 AM** **Rack 3, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	0.7353	0.3966	-0.0059u
Al 308.215	0.6128	0.3864	1.5648
As 188.980	-2.9310u	-2.2626u	-1.5419u
B 249.678	13.7105	12.9320	13.8171
Ba 389.178	10.1134	10.2922	9.0156

Label	Replicates Concentration		
Be 313.042	0.1191	0.1358	0.1270
Ca 370.602	36444	36472	36501
Cd 226.502	0.0604	0.2750	-0.0252u
Co 228.615	0.2470	0.5860	0.1429
Cr 267.716	0.0493	0.1478	0.1109
Cu 324.754	4.4498	5.1477	5.3497
Fe 271.441	23.5743	20.3344	27.3040
K 766.491	1094.88	1092.74	1094.64
Mg 279.078	6536.04	6529.91	6542.14
Mn 257.610	4.3643	4.4245	4.4342
Mo 202.032	11.9499	11.8476	12.0096
Na 330.237	10285.1	10369.7	10429.7
Ni 231.604	0.5101	1.2507	2.7315
Pb 220.353	2.0115	-0.4643u	3.0012
Sb 206.834	-3.4825u	-3.0002u	-0.7573u
Se 196.026	-5.9023u	2.5135	-8.0988u
Sn 189.925	1.6942	-0.8111u	0.4091
Sr 216.596	82.2564	80.9758	81.4495
Ti 334.941	0.0968	0.0940	0.0831
Tl 190.794	-6.1297u	-6.6240u	-1.7322u
V 292.401	0.3823	0.4174	0.2883
Zn 206.200	1.4380	2.1258	2.0132

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3753	ppb	0.3711	98.9	-9.0965
Al 308.215	0.8547	ppb	0.6253	73.2	401.993
As 188.980	-2.2452	ppb	0.6947	30.9	-6.4488
B 249.678	13.4865	ppb	0.4832	3.6	312.960
Ba 389.178	9.8071	ppb	0.6912	7.0	250.727
Be 313.042	0.1273	ppb	0.0084	6.6	-3132.45
Ca 370.602	36472	ppb	28.43	0.1	181801
Cd 226.502	0.1034	ppb	0.1546	149.6	30.8823
Co 228.615	0.3253	ppb	0.2317	71.2	-14.2793
Cr 267.716	0.1027	ppb	0.0498	48.5	4.1392
Cu 324.754	4.9824	ppb	0.4721	9.5	451.703
Fe 271.441	23.7376	ppb	3.4877	14.7	75.6646
K 766.491	1094.09	ppb	1.1733	0.1	151618
Mg 279.078	6536.03	ppb	6.1145	0.1	18395.7
Mn 257.610	4.4077	ppb	0.0379	0.9	880.531
Mo 202.032	11.9357	ppb	0.0820	0.7	97.4510
Na 330.237	10361.5	ppb	72.6465	0.7	799.426
Ni 231.604	1.4975	ppb	1.1311	75.5	10.4356
Pb 220.353	1.5161	ppb	1.7851	117.7	4.1772
Sb 206.834	-2.4133	ppb	1.4543	60.3	5.5488
Se 196.026	-3.8292	ppb	5.6016	146.3	6.1974
Sn 189.925	0.4307	ppb	1.2528	290.9	-9.6054
Sr 216.596	81.5606	ppb	0.6475	0.8	910.501
Ti 334.941	0.0913	ppb	0.0072	7.9	-26.8891
Tl 190.794	-4.8286	ppb	2.6929	55.8	-14.0457
V 292.401	0.3627	ppb	0.0667	18.4	20.4266
Zn 206.200	1.8590	ppb	0.3689	19.8	7.5059

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680-102226-A-8-A (Samp) **6/18/2014, 6:35:10 AM** **Rack 3, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	0.0968	-0.0253u	0.2638
Al 308.215	8.0619	10.1298	8.5977
As 188.980	0.8479	4.7117	-1.8757u
B 249.678	12.7083	13.0486	12.7611
Ba 389.178	14.1874	13.7468	13.9617
Be 313.042	0.1623	0.1530	0.1661
Ca 370.602	36532	36526	36476
Cd 226.502	0.0129	0.1352	0.0487
Co 228.615	0.3551	0.3145	-0.0036u
Cr 267.716	0.4085	0.1611	0.2635
Cu 324.754	5.5947	5.6274	5.6661
Fe 271.441	1563.02	1570.46	1565.64
K 766.491	1081.43	1083.05	1081.53
Mg 279.078	6422.04	6414.73	6400.94
Mn 257.610	108.510	108.518	108.376
Mo 202.032	11.7846	12.0343	11.5028
Na 330.237	10519.9	10102.7	10276.7
Ni 231.604	-0.0645u	2.5650	1.0972
Pb 220.353	0.2466	-1.4977u	4.8501
Sb 206.834	-2.7279u	-1.0077u	-7.1990u
Se 196.026	-1.3120u	-5.7113u	-2.5704u
Sn 189.925	1.8451	4.4646	-0.1124u
Sr 216.596	86.4744	87.7314	87.3251
Ti 334.941	0.7824	0.7517	0.8189
Tl 190.794	0.2117	-3.5525u	4.0312
V 292.401	3.5005	3.6012	3.4778
Zn 206.200	3.9379	2.9784	4.7865

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1118	ppb	0.1452	129.9	-24.5115
Al 308.215	8.9298	ppb	1.0732	12.0	457.486
As 188.980	1.2279	ppb	3.3101	269.6	-4.2193
B 249.678	12.8394	ppb	0.1832	1.4	300.804
Ba 389.178	13.9653	ppb	0.2203	1.6	367.407
Be 313.042	0.1605	ppb	0.0067	4.2	-3027.49
Ca 370.602	36512	ppb	30.59	0.1	181969
Cd 226.502	0.0656	ppb	0.0629	95.8	34.8000
Co 228.615	0.2220	ppb	0.1964	88.5	-15.2483
Cr 267.716	0.2777	ppb	0.1243	44.8	10.2694
Cu 324.754	5.6294	ppb	0.0357	0.6	487.444
Fe 271.441	1566.38	ppb	3.7772	0.2	2041.48
K 766.491	1082.00	ppb	0.9092	0.1	149968
Mg 279.078	6412.57	ppb	10.7152	0.2	18045.0
Mn 257.610	108.468	ppb	0.0794	0.1	20126.9
Mo 202.032	11.7739	ppb	0.2659	2.3	96.0448
Na 330.237	10299.8	ppb	209.566	2.0	794.489
Ni 231.604	1.1993	ppb	1.3177	109.9	9.3605
Pb 220.353	1.1997	ppb	3.2794	273.4	3.6981
Sb 206.834	-3.6448	ppb	3.1959	87.7	4.2001
Se 196.026	-3.1979	ppb	2.2658	70.9	6.5445

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	2.0658	ppb	2.2964	111.2	-8.3078
Sr 216.596	87.1770	ppb	0.6415	0.7	973.481
Ti 334.941	0.7843	ppb	0.0336	4.3	285.892
Tl 190.794	0.2302	ppb	3.7919	1647.5	-10.3993
V 292.401	3.5265	ppb	0.0657	1.9	153.071
Zn 206.200	3.9009	ppb	0.9046	23.2	14.1695

Cont Calib Verif (CCV) **6/18/2014, 6:39:51 AM** **Rack 3, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	481.831	474.634	480.843
Al 308.215	4737.06	4701.68	4739.67
As 188.980	457.708	458.164	460.543
B 249.678	471.929	470.822	472.395
Ba 389.178	4838.18	4829.12	4842.74
Be 313.042	482.339	480.463	481.454
Ca 370.602	4890	4882	4906
Cd 226.502	482.221	480.139	482.780
Co 228.615	486.616	484.685	487.222
Cr 267.716	4817.02	4803.89	4819.12
Cu 324.754	4813.03	4795.50	4895.14
Fe 271.441	4802.30	4783.79	4810.22
K 766.491	9668.31	9576.03	9624.52
Mg 279.078	4766.86	4743.89	4759.40
Mn 257.610	4889.30	4871.16	4894.49
Mo 202.032	485.697	485.305	486.605
Na 330.237	7073.78	7185.99	7343.85
Ni 231.604	2401.46	2389.64	2424.82
Pb 220.353	481.896	486.615	483.783
Sb 206.834	938.211	929.725	946.890
Se 196.026	4765.29	4737.26	4752.30
Sn 189.925	4802.39	4799.07	4835.43
Sr 216.596	2352.95	2346.78	2361.04
Ti 334.941	477.635	476.053	477.560
Tl 190.794	4876.40	4854.66	4887.43
V 292.401	4826.22	4802.08	4822.08
Zn 206.200	2410.83	2398.77	2413.57

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	479.103	ppb	3.9015	0.8	28474.8	95.82051
Al 308.215	4726.14	ppb	21.2216	0.4	33101.7	94.52277
As 188.980	458.805	ppb	1.5225	0.3	291.526	91.76102
B 249.678	471.715	ppb	0.8081	0.2	8057.62	94.34309
Ba 389.178	4836.68	ppb	6.9310	0.1	132100	96.73367
Be 313.042	481.418	ppb	0.9385	0.2	1503675	96.28365
Ca 370.602	4893	ppb	12.05	0.2	24421	97.85222
Cd 226.502	481.713	ppb	1.3919	0.3	20179.1	96.34265
Co 228.615	486.174	ppb	1.3252	0.3	5069.93	97.23486
Cr 267.716	4813.34	ppb	8.2565	0.2	169553	96.26687
Cu 324.754	4834.56	ppb	53.1925	1.1	267944	96.69112
Fe 271.441	4798.77	ppb	13.5625	0.3	6230.18	95.97545

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9622.95	ppb	46.1601	0.5	1316578	96.22953
Mg 279.078	4756.72	ppb	11.7178	0.2	13386.0	95.13432
Mn 257.610	4884.98	ppb	12.2506	0.3	903403	97.69963
Mo 202.032	485.869	ppb	0.6668	0.1	3711.78	97.17380
Na 330.237	7201.21	ppb	135.676	1.9	567.460	96.01610
Ni 231.604	2405.31	ppb	17.9045	0.7	9274.25	96.21222
Pb 220.353	484.098	ppb	2.3750	0.5	700.836	96.81958
Sb 206.834	938.275	ppb	8.5826	0.9	1069.21	93.82755
Se 196.026	4751.62	ppb	14.0304	0.3	2180.96	95.03233
Sn 189.925	4812.30	ppb	20.1014	0.4	3809.07	96.24596
Sr 216.596	2353.59	ppb	7.1530	0.3	25626.6	94.14360
Ti 334.941	477.083	ppb	0.8926	0.2	215284	95.41651
Tl 190.794	4872.83	ppb	16.6734	0.3	3570.32	97.45658
V 292.401	4816.79	ppb	12.9087	0.3	200093	96.33587
Zn 206.200	2407.72	ppb	7.8750	0.3	7779.57	96.30886

Cont Calib Blank (CCB) **6/18/2014, 6:44:31 AM** **Rack 3, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.3941	0.2112	0.6845
Al 308.215	-5.5606u	-6.6010u	-4.7235u
As 188.980	2.7901	0.0422	4.0924
B 249.678	2.1085	1.6652	1.2438
Ba 389.178	1.3491	0.8415	0.9535
Be 313.042	0.2110	0.1948	0.1871
Ca 370.602	4.469	2.888	3.421
Cd 226.502	-0.0139u	0.2118	-0.0408u
Co 228.615	0.3556	-0.0365u	-0.1585u
Cr 267.716	0.3193	0.5677	0.1876
Cu 324.754	1.0045	0.4810	0.5670
Fe 271.441	-4.1119u	6.2061	-1.3954u
K 766.491	-0.0096u	0.0951	-0.0881u
Mg 279.078	0.1749	1.8895	-2.0736u
Mn 257.610	0.4443	0.3689	0.3088
Mo 202.032	1.6331	0.4920	0.4825
Na 330.237	101.569	137.636	113.976
Ni 231.604	1.5416	1.2140	1.7718
Pb 220.353	0.2444	0.8740	1.7814
Sb 206.834	-4.0553u	-3.7945u	-4.2894u
Se 196.026	-1.5727u	-1.4719u	0.1947
Sn 189.925	-0.6467u	-0.9644u	-1.5734u
Sr 216.596	0.0736	0.3417	0.2746
Ti 334.941	0.1366	0.1488	0.1353
Tl 190.794	-4.0901u	-1.9876u	-3.7462u
V 292.401	0.4461	0.6325	0.4334
Zn 206.200	-0.2466u	0.2604	0.0049

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.4299	ppb	0.2386	55.5	-5.7382	0.42995
Al 308.215	-5.6284	ppb	0.9406	16.7	356.754	-5.62836
As 188.980	2.3083	ppb	2.0677	89.6	-3.5101	2.30827

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	1.6725	ppb	0.4324	25.9	113.587	1.67251
Ba 389.178	1.0480	ppb	0.2667	25.4	-9.7713	1.04801
Be 313.042	0.1976	ppb	0.0122	6.2	-2928.04	0.19764
Ca 370.602	3.593	ppb	0.8046	22.4	0.1812	3.59298
Cd 226.502	0.0524	ppb	0.1387	265.0	28.6258	0.05236
Co 228.615	0.0535	ppb	0.2686	501.9	-16.8390	0.05353
Cr 267.716	0.3582	ppb	0.1930	53.9	13.0276	0.35822
Cu 324.754	0.6842	ppb	0.2807	41.0	253.449	0.68417
Fe 271.441	0.2329	ppb	5.3483	2296.0	45.6731	0.23294
K 766.491	-0.0009	ppb	0.0919	10627.0	2176.26	-0.00086
Mg 279.078	-0.0031	ppb	1.9875	64765.7	39.2362	-0.00307
Mn 257.610	0.3740	ppb	0.0679	18.2	84.8322	0.37401
Mo 202.032	0.8692	ppb	0.6616	76.1	12.9777	0.86921
Na 330.237	117.727	ppb	18.3238	15.6	109.456	117.72704
Ni 231.604	1.5091	ppb	0.2803	18.6	10.4794	1.50911
Pb 220.353	0.9666	ppb	0.7727	79.9	3.4000	0.96659
Sb 206.834	-4.0464	ppb	0.2475	6.1	3.9954	-4.04638
Se 196.026	-0.9500	ppb	0.9926	104.5	7.2641	-0.94996
Sn 189.925	-1.0615	ppb	0.4709	44.4	-10.7926	-1.06148
Sr 216.596	0.2300	ppb	0.1395	60.7	9.3762	0.22995
Ti 334.941	0.1403	ppb	0.0075	5.3	-21.3284	0.14026
Tl 190.794	-3.2746	ppb	1.1278	34.4	-12.8997	-3.27464
V 292.401	0.5040	ppb	0.1115	22.1	29.7032	0.50398
Zn 206.200	0.0062	ppb	0.2535	4077.1	1.5050	0.00622

680-102226-A-10-A (Samp) **6/18/2014, 6:49:12 AM** **Rack 3, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	0.3840	0.0281	0.3781
Al 308.215	-2.4993u	0.0516	-0.2315u
As 188.980	-0.1414u	-2.4408u	-0.4694u
B 249.678	8.4311	8.6733	8.2461
Ba 389.178	8.4956	8.7782	8.7371
Be 313.042	0.1498	0.1441	0.1561
Ca 370.602	25427	25420	25422
Cd 226.502	0.0073	0.1224	-0.1120u
Co 228.615	0.3495	0.3514	0.5848
Cr 267.716	-0.0995u	0.1875	0.0313
Cu 324.754	4.8043	4.7547	4.8070
Fe 271.441	262.911	274.600	263.314
K 766.491	472.842	473.310	473.621
Mg 279.078	5483.78	5477.45	5484.43
Mn 257.610	26.9436	26.9286	26.9588
Mo 202.032	7.4780	6.7732	7.5839
Na 330.237	4494.61	4446.89	4428.22
Ni 231.604	1.3215	2.0490	1.5208
Pb 220.353	1.9498	1.7638	1.9394
Sb 206.834	-2.4135u	-1.8629u	-5.2467u
Se 196.026	-1.3881u	-0.9354u	-4.9484u
Sn 189.925	3.2780	0.1104	0.6162
Sr 216.596	136.566	136.476	136.793

Label	Replicates Concentration		
Ti 334.941	0.1165	0.0739	0.1181
Tl 190.794	0.9261	-1.2968u	-4.0135u
V 292.401	0.2475	0.1436	0.3281
Zn 206.200	1.4594	0.6239	1.0051

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2634	ppb	0.2038	77.4	-15.6580
Al 308.215	-0.8931	ppb	1.3982	156.6	389.657
As 188.980	-1.0172	ppb	1.2437	122.3	-5.6592
B 249.678	8.4501	ppb	0.2143	2.5	227.799
Ba 389.178	8.6703	ppb	0.1527	1.8	216.799
Be 313.042	0.1500	ppb	0.0060	4.0	-3065.50
Ca 370.602	25423	ppb	3.726	0.0	126714
Cd 226.502	0.0059	ppb	0.1172	1989.9	27.6916
Co 228.615	0.4285	ppb	0.1353	31.6	-13.0616
Cr 267.716	0.0397	ppb	0.1437	361.6	1.8563
Cu 324.754	4.7887	ppb	0.0295	0.6	453.024
Fe 271.441	266.942	ppb	6.6352	2.5	385.556
K 766.491	473.258	ppb	0.3921	0.1	66818.8
Mg 279.078	5481.89	ppb	3.8589	0.1	15434.5
Mn 257.610	26.9437	ppb	0.0151	0.1	5040.55
Mo 202.032	7.2784	ppb	0.4407	6.1	61.8725
Na 330.237	4456.57	ppb	34.2394	0.8	401.570
Ni 231.604	1.6304	ppb	0.3759	23.1	10.9598
Pb 220.353	1.8843	ppb	0.1045	5.5	4.7090
Sb 206.834	-3.1744	ppb	1.8157	57.2	4.8131
Se 196.026	-2.4240	ppb	2.1979	90.7	6.7749
Sn 189.925	1.3349	ppb	1.7017	127.5	-8.8896
Sr 216.596	136.612	ppb	0.1632	0.1	1509.25
Ti 334.941	0.1028	ppb	0.0251	24.4	-23.8533
Tl 190.794	-1.4614	ppb	2.4739	169.3	-11.5827
V 292.401	0.2397	ppb	0.0925	38.6	16.9449
Zn 206.200	1.0295	ppb	0.4183	40.6	4.8288

680-102226-A-11-A (Samp) **6/18/2014, 6:53:52 AM** **Rack 3, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	0.1011	0.4848	0.0278
Al 308.215	-2.0899u	-1.6581u	-1.5983u
As 188.980	3.0870	0.2543	0.6014
B 249.678	13.0886	12.9081	12.4281
Ba 389.178	10.6665	11.0407	11.4114
Be 313.042	0.1703	0.1553	0.1457
Ca 370.602	32706	32684	32642
Cd 226.502	0.0989	0.1491	0.0697
Co 228.615	0.2721	-0.4998u	0.3822
Cr 267.716	0.0849	-0.0002u	0.3098
Cu 324.754	2.8192	2.8467	3.2988
Fe 271.441	4.6718	-2.5983u	2.0280
K 766.491	884.450	885.034	882.180
Mg 279.078	6975.00	6989.20	6975.51

Label	Replicates Concentration		
Mn 257.610	14.5283	14.6161	14.4697
Mo 202.032	11.3517	12.3833	11.6951
Na 330.237	6636.34	6516.33	6730.49
Ni 231.604	3.2737	2.3125	3.1465
Pb 220.353	2.7549	4.8274	0.0480
Sb 206.834	-3.6279u	2.4987	-3.5278u
Se 196.026	-0.7093u	0.8615	1.6842
Sn 189.925	2.9807	1.0975	-2.5475u
Sr 216.596	176.344	177.053	176.977
Ti 334.941	0.1523	0.0662	0.0831
Tl 190.794	-3.0714u	-2.6975u	0.3336
V 292.401	5.7193	5.6587	5.8077
Zn 206.200	2.5398	1.6018	2.5990

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2046	ppb	0.2454	120.0	-19.1864
Al 308.215	-1.7821	ppb	0.2682	15.1	384.243
As 188.980	1.3142	ppb	1.5451	117.6	-4.1490
B 249.678	12.8083	ppb	0.3414	2.7	301.558
Ba 389.178	11.0395	ppb	0.3724	3.4	285.777
Be 313.042	0.1571	ppb	0.0124	7.9	-3038.64
Ca 370.602	32677	ppb	32.89	0.1	162882
Cd 226.502	0.1059	ppb	0.0401	37.9	30.9362
Co 228.615	0.0515	ppb	0.4806	932.7	-17.1436
Cr 267.716	0.1315	ppb	0.1602	121.8	5.0506
Cu 324.754	2.9882	ppb	0.2693	9.0	345.325
Fe 271.441	1.3672	ppb	3.6798	269.2	47.1647
K 766.491	883.888	ppb	1.5077	0.2	122907
Mg 279.078	6979.90	ppb	8.0546	0.1	19642.4
Mn 257.610	14.5380	ppb	0.0737	0.5	2757.10
Mo 202.032	11.8100	ppb	0.5253	4.4	96.4906
Na 330.237	6627.72	ppb	107.338	1.6	547.940
Ni 231.604	2.9109	ppb	0.5221	17.9	15.8816
Pb 220.353	2.5434	ppb	2.3967	94.2	5.6566
Sb 206.834	-1.5523	ppb	3.5086	226.0	6.4988
Se 196.026	0.6121	ppb	1.2161	198.7	8.2032
Sn 189.925	0.5102	ppb	2.8105	550.8	-9.5434
Sr 216.596	176.792	ppb	0.3892	0.2	1950.60
Ti 334.941	0.1005	ppb	0.0456	45.4	-21.1310
Tl 190.794	-1.8118	ppb	1.8673	103.1	-11.8244
V 292.401	5.7286	ppb	0.0749	1.3	244.008
Zn 206.200	2.2468	ppb	0.5594	24.9	8.7611

680-102226-A-11-Asd (Samp) **6/18/2014, 6:58:32 AM** **Rack 3, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	0.0771	0.1225	0.3909
Al 308.215	-5.4877u	-3.4687u	-1.8422u
As 188.980	8.3140	4.1337	-0.8384u
B 249.678	1.6836	1.9035	2.4218
Ba 389.178	1.6109	2.2047	1.4502

Label	Replicates Concentration		
Be 313.042	0.1495	0.1464	0.1418
Ca 370.602	6482	6512	6488
Cd 226.502	0.1518	-0.1334u	0.1428
Co 228.615	-0.0052u	0.6556	-0.2113u
Cr 267.716	-0.2311u	-0.2329u	-0.1566u
Cu 324.754	0.8386	0.7138	1.0733
Fe 271.441	0.2272	3.5480	0.0908
K 766.491	168.198	168.501	168.551
Mg 279.078	1399.01	1392.37	1403.15
Mn 257.610	3.0020	2.9830	2.9561
Mo 202.032	2.2242	2.7344	2.6340
Na 330.237	1201.40	1469.27	1507.10
Ni 231.604	1.9788	1.7719	1.3286
Pb 220.353	-0.0086u	1.4847	0.0295
Sb 206.834	-7.2927u	-0.3239u	-1.6478u
Se 196.026	-8.1648u	4.4371	-3.0708u
Sn 189.925	1.9587	-0.1106u	1.1079
Sr 216.596	34.9339	34.9440	34.5451
Ti 334.941	0.0217	0.0878	0.0501
Tl 190.794	0.5326	1.0669	-5.5139u
V 292.401	1.1475	1.3322	1.3723
Zn 206.200	-0.2217u	0.3967	0.2826

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1968	ppb	0.1696	86.1	-19.6041
Al 308.215	-3.5995	ppb	1.8263	50.7	370.824
As 188.980	3.8698	ppb	4.5819	118.4	-2.5008
B 249.678	2.0030	ppb	0.3790	18.9	119.190
Ba 389.178	1.7553	ppb	0.3974	22.6	14.0859
Be 313.042	0.1459	ppb	0.0039	2.6	-3086.69
Ca 370.602	6494	ppb	15.88	0.2	32356
Cd 226.502	0.0537	ppb	0.1622	301.8	28.7022
Co 228.615	0.1463	ppb	0.4529	309.5	-15.9117
Cr 267.716	-0.2069	ppb	0.0435	21.0	-6.8800
Cu 324.754	0.8752	ppb	0.1825	20.9	256.925
Fe 271.441	1.2887	ppb	1.9578	151.9	47.0260
K 766.491	168.417	ppb	0.1908	0.1	25180.5
Mg 279.078	1398.18	ppb	5.4365	0.4	3966.04
Mn 257.610	2.9804	ppb	0.0231	0.8	577.436
Mo 202.032	2.5309	ppb	0.2702	10.7	25.6612
Na 330.237	1392.59	ppb	166.652	12.0	195.326
Ni 231.604	1.6931	ppb	0.3322	19.6	11.1885
Pb 220.353	0.5019	ppb	0.8514	169.6	2.7287
Sb 206.834	-3.0881	ppb	3.7009	119.8	5.0090
Se 196.026	-2.2662	ppb	6.3394	279.7	6.7071
Sn 189.925	0.9853	ppb	1.0401	105.6	-9.1679
Sr 216.596	34.8077	ppb	0.2275	0.7	389.591
Ti 334.941	0.0532	ppb	0.0332	62.3	-56.9768
Tl 190.794	-1.3048	ppb	3.6550	280.1	-11.4542
V 292.401	1.2840	ppb	0.1199	9.3	61.7386
Zn 206.200	0.1525	ppb	0.3291	215.7	1.9810

680-102226-A-11-Apds (Samp) **6/18/2014, 7:03:13 AM** **Rack 3, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	35.5846	35.7188	35.3042
Al 308.215	1987.26	1989.39	1990.26
As 188.980	197.314	196.757	193.333
B 249.678	492.921	494.923	495.860
Ba 389.178	218.540	218.834	219.099
Be 313.042	51.6153	51.6422	51.6284
Ca 370.602	34203	34213	34173
Cd 226.502	52.4077	51.9742	52.3708
Co 228.615	208.182	208.993	207.933
Cr 267.716	204.661	204.966	205.251
Cu 324.754	212.995	214.162	213.909
Fe 271.441	2006.75	1998.08	2003.19
K 766.491	3106.06	3107.92	3105.75
Mg 279.078	8977.81	8966.84	8958.37
Mn 257.610	228.002	227.851	228.110
Mo 202.032	215.997	216.014	216.709
Na 330.237	8637.40	8660.26	8832.37
Ni 231.604	209.383	205.588	207.037
Pb 220.353	205.448	210.133	213.155
Sb 206.834	190.456	186.938	189.732
Se 196.026	193.464	209.650	198.001
Sn 189.925	211.924	210.252	204.536
Sr 216.596	374.759	376.052	375.366
Ti 334.941	200.177	200.042	200.139
Tl 190.794	204.886	203.006	204.315
V 292.401	209.401	209.391	209.577
Zn 206.200	212.703	210.860	211.841

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	35.5359	ppb	0.2115	0.6	2081.52
Al 308.215	1988.97	ppb	1.5422	0.1	14049.9
As 188.980	195.801	ppb	2.1559	1.1	121.549
B 249.678	494.568	ppb	1.5015	0.3	8433.13
Ba 389.178	218.824	ppb	0.2797	0.1	5972.99
Be 313.042	51.6286	ppb	0.0135	0.0	157955
Ca 370.602	34196	ppb	21.06	0.1	170474
Cd 226.502	52.2509	ppb	0.2403	0.5	2217.78
Co 228.615	208.369	ppb	0.5545	0.3	2162.68
Cr 267.716	204.959	ppb	0.2950	0.1	7220.27
Cu 324.754	213.689	ppb	0.6142	0.3	12012.4
Fe 271.441	2002.67	ppb	4.3595	0.2	2617.70
K 766.491	3106.57	ppb	1.1744	0.0	426504
Mg 279.078	8967.67	ppb	9.7469	0.1	25219.8
Mn 257.610	227.988	ppb	0.1301	0.1	42249.3
Mo 202.032	216.240	ppb	0.4062	0.2	1656.66
Na 330.237	8710.01	ppb	106.577	1.2	682.947
Ni 231.604	207.336	ppb	1.9155	0.9	803.773
Pb 220.353	209.579	ppb	3.8831	1.9	303.233
Sb 206.834	189.042	ppb	1.8575	1.0	213.431
Se 196.026	200.372	ppb	8.3498	4.2	99.6252

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	208.904	ppb	3.8743	1.9	155.838
Sr 216.596	375.392	ppb	0.6470	0.2	4111.48
Ti 334.941	200.119	ppb	0.0699	0.0	90273.0
Tl 190.794	204.069	ppb	0.9640	0.5	139.495
V 292.401	209.456	ppb	0.1048	0.1	8653.34
Zn 206.200	211.801	ppb	0.9222	0.4	686.589

680-102226-A-11-B MS (Samp) **6/18/2014, 7:07:53 AM** **Rack 3, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	21.1901	21.1080	20.5668
Al 308.215	1987.55	1987.66	1982.97
As 188.980	41.5175	44.6873	39.3224
B 249.678	94.2636	93.5103	93.2437
Ba 389.178	51.4753	50.3427	52.6269
Be 313.042	20.7799	20.7725	20.8158
Ca 370.602	33939	33897	33943
Cd 226.502	20.7834	20.7019	20.3276
Co 228.615	20.9000	20.5079	20.7807
Cr 267.716	41.3180	41.3312	41.8594
Cu 324.754	45.9954	45.4887	45.3493
Fe 271.441	2007.25	1995.83	2013.72
K 766.491	3054.58	3057.55	3051.69
Mg 279.078	8844.17	8835.04	8836.47
Mn 257.610	227.286	227.074	227.405
Mo 202.032	52.3566	52.2908	52.9493
Na 330.237	8700.70	8695.64	8476.48
Ni 231.604	43.9419	42.9264	43.8509
Pb 220.353	19.6215	21.6062	23.2729
Sb 206.834	10.6915	17.1351	17.9425
Se 196.026	46.5657	30.8199	38.9426
Sn 189.925	84.3998	86.1930	84.8055
Sr 216.596	212.103	211.557	211.738
Ti 334.941	40.5431	40.4728	40.4580
Tl 190.794	15.5054	12.8251	16.2926
V 292.401	46.9425	47.1507	47.1073
Zn 206.200	42.9339	42.9636	42.1022

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.9550	ppb	0.3387	1.6	1214.65
Al 308.215	1986.06	ppb	2.6721	0.1	14007.9
As 188.980	41.8424	ppb	2.6972	6.4	22.0292
B 249.678	93.6725	ppb	0.5289	0.6	1664.87
Ba 389.178	51.4816	ppb	1.1421	2.2	1401.15
Be 313.042	20.7894	ppb	0.0232	0.1	61487.1
Ca 370.602	33926	ppb	25.81	0.1	169085
Cd 226.502	20.6043	ppb	0.2431	1.2	894.926
Co 228.615	20.7295	ppb	0.2010	1.0	199.213
Cr 267.716	41.5029	ppb	0.3088	0.7	1462.42
Cu 324.754	45.6111	ppb	0.3400	0.7	2704.43
Fe 271.441	2005.60	ppb	9.0631	0.5	2603.35

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	3054.61	ppb	2.9328	0.1	419406
Mg 279.078	8838.56	ppb	4.9079	0.1	24857.3
Mn 257.610	227.255	ppb	0.1675	0.1	42112.8
Mo 202.032	52.5322	ppb	0.3627	0.7	407.098
Na 330.237	8624.27	ppb	128.018	1.5	680.579
Ni 231.604	43.5731	ppb	0.5619	1.3	172.679
Pb 220.353	21.5002	ppb	1.8280	8.5	32.7492
Sb 206.834	15.2564	ppb	3.9738	26.0	24.4396
Se 196.026	38.7761	ppb	7.8742	20.3	25.7481
Sn 189.925	85.1328	ppb	0.9403	1.1	57.6134
Sr 216.596	211.799	ppb	0.2778	0.1	2333.16
Ti 334.941	40.4913	ppb	0.0455	0.1	18216.5
Tl 190.794	14.8744	ppb	1.8179	12.2	0.3694
V 292.401	47.0668	ppb	0.1098	0.2	1951.42
Zn 206.200	42.6666	ppb	0.4890	1.1	139.552

680-102226-A-11-C MS (Samp) **6/18/2014, 7:12:34 AM** **Rack 3, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	20.9906	20.7615	21.0476
Al 308.215	1955.52	1950.59	1955.27
As 188.980	39.0124	42.8106	42.8955
B 249.678	91.1406	91.4233	90.9236
Ba 389.178	50.8298	51.3260	50.0265
Be 313.042	20.4347	20.4553	20.3909
Ca 370.602	34002	34003	33977
Cd 226.502	20.4235	20.2438	20.3498
Co 228.615	20.7794	20.5884	20.5623
Cr 267.716	40.7785	41.2571	41.0710
Cu 324.754	45.0197	45.4329	44.8298
Fe 271.441	1971.80	1978.19	1969.16
K 766.491	3013.73	3017.92	3016.22
Mg 279.078	8842.62	8838.26	8826.17
Mn 257.610	223.800	223.868	223.469
Mo 202.032	51.0445	51.6649	51.3213
Na 330.237	8681.49	8477.22	8801.28
Ni 231.604	41.3326	43.4583	42.7924
Pb 220.353	22.5682	21.5303	21.5853
Sb 206.834	14.9252	8.0986	17.4892
Se 196.026	37.0127	36.4684	36.1056
Sn 189.925	86.7482	81.5604	77.4971
Sr 216.596	211.513	212.697	212.681
Ti 334.941	39.7563	39.8132	39.7297
Tl 190.794	10.9974	15.7391	14.8566
V 292.401	46.5346	46.3792	46.3821
Zn 206.200	42.1217	42.6727	40.5582

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.9332	ppb	0.1514	0.7	1213.35
Al 308.215	1953.80	ppb	2.7763	0.1	13786.7
As 188.980	41.5728	ppb	2.2178	5.3	21.8550

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	91.1625	ppb	0.2506	0.3	1622.52
Ba 389.178	50.7274	ppb	0.6558	1.3	1380.46
Be 313.042	20.4270	ppb	0.0329	0.2	60353.9
Ca 370.602	33994	ppb	14.60	0.0	169420
Cd 226.502	20.3390	ppb	0.0904	0.4	883.717
Co 228.615	20.6434	ppb	0.1185	0.6	198.327
Cr 267.716	41.0355	ppb	0.2413	0.6	1445.96
Cu 324.754	45.0941	ppb	0.3084	0.7	2675.71
Fe 271.441	1973.05	ppb	4.6445	0.2	2561.86
K 766.491	3015.96	ppb	2.1092	0.1	414127
Mg 279.078	8835.68	ppb	8.5244	0.1	24849.3
Mn 257.610	223.713	ppb	0.2133	0.1	41457.6
Mo 202.032	51.3436	ppb	0.3108	0.6	398.028
Na 330.237	8653.33	ppb	163.858	1.9	682.567
Ni 231.604	42.5278	ppb	1.0873	2.6	168.649
Pb 220.353	21.8946	ppb	0.5840	2.7	33.3207
Sb 206.834	13.5043	ppb	4.8538	35.9	22.5341
Se 196.026	36.5289	ppb	0.4566	1.2	24.7198
Sn 189.925	81.9352	ppb	4.6369	5.7	55.0758
Sr 216.596	212.297	ppb	0.6791	0.3	2338.67
Ti 334.941	39.7664	ppb	0.0427	0.1	17889.3
Tl 190.794	13.8644	ppb	2.5218	18.2	-0.3701
V 292.401	46.4320	ppb	0.0889	0.2	1925.35
Zn 206.200	41.7842	ppb	1.0969	2.6	136.695

MB 680-334423/1-A (Samp) **6/18/2014, 7:17:14 AM** **Rack 3, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	0.1240	-0.1961u	0.0361
Al 308.215	-4.4455u	-4.5432u	-5.9793u
As 188.980	-3.1536u	-2.0895u	1.1868
B 249.678	1.0475	0.4849	0.7159
Ba 389.178	0.8353	1.1450	0.2296
Be 313.042	0.1689	0.1696	0.1725
Ca 370.602	11.77	10.74	10.42
Cd 226.502	0.2765	0.0127	0.1659
Co 228.615	-0.1310u	0.2034	0.5653
Cr 267.716	-0.1141u	-0.0188u	-0.1411u
Cu 324.754	0.2514	0.5687	0.6277
Fe 271.441	3.8313	9.5294	-0.5266u
K 766.491	1.2388	1.5285	1.0311
Mg 279.078	2.6443	-0.8039u	4.0440
Mn 257.610	0.1006	0.0780	0.0802
Mo 202.032	0.2149	1.1339	1.0051
Na 330.237	-108.164u	125.470	155.884
Ni 231.604	1.0437	1.3583	1.2967
Pb 220.353	-0.1502u	0.6266	2.2251
Sb 206.834	-3.5081u	-0.9381u	-2.4539u
Se 196.026	-2.8414u	0.5406	-4.7126u
Sn 189.925	0.6120	0.3940	2.1716
Sr 216.596	0.3309	-0.2445u	0.0190

Label	Replicates Concentration		
Ti 334.941	0.0276	0.0232	0.0495
Tl 190.794	-4.0627u	-5.0269u	-4.0942u
V 292.401	0.1528	0.0548	0.1274
Zn 206.200	0.5425	0.2790	0.5634

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0120	ppb	0.1654	1378.6	-32.0049
Al 308.215	-4.9894	ppb	0.8587	17.2	361.104
As 188.980	-1.3521	ppb	2.2622	167.3	-5.8751
B 249.678	0.7495	ppb	0.2828	37.7	98.0450
Ba 389.178	0.7366	ppb	0.4656	63.2	-18.2589
Be 313.042	0.1703	ppb	0.0019	1.1	-3013.61
Ca 370.602	10.98	ppb	0.7089	6.5	36.87
Cd 226.502	0.1517	ppb	0.1325	87.3	32.7956
Co 228.615	0.2126	ppb	0.3482	163.8	-15.1737
Cr 267.716	-0.0914	ppb	0.0642	70.3	-2.8104
Cu 324.754	0.4826	ppb	0.2024	41.9	242.283
Fe 271.441	4.2780	ppb	5.0429	117.9	50.8080
K 766.491	1.2661	ppb	0.2498	19.7	2349.32
Mg 279.078	1.9615	ppb	2.4951	127.2	44.7406
Mn 257.610	0.0863	ppb	0.0124	14.4	31.6522
Mo 202.032	0.7847	ppb	0.4976	63.4	12.3320
Na 330.237	57.7301	ppb	144.471	250.3	105.411
Ni 231.604	1.2329	ppb	0.1668	13.5	9.4151
Pb 220.353	0.9005	ppb	1.2111	134.5	3.3046
Sb 206.834	-2.3000	ppb	1.2919	56.2	5.9152
Se 196.026	-2.3378	ppb	2.6626	113.9	6.6298
Sn 189.925	1.0592	ppb	0.9695	91.5	-9.1096
Sr 216.596	0.0351	ppb	0.2880	819.5	7.2651
Ti 334.941	0.0334	ppb	0.0141	42.1	-69.5364
Tl 190.794	-4.3946	ppb	0.5478	12.5	-13.7224
V 292.401	0.1117	ppb	0.0508	45.5	13.4233
Zn 206.200	0.4617	ppb	0.1585	34.3	2.9816

LLCS 680-334423/2-A (Samp) **6/18/2014, 7:21:54 AM** **Rack 3, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	10.3238	10.5840	10.5875
Al 308.215	206.471	207.536	206.310
As 188.980	24.3272	24.3924	23.4120
B 249.678	98.9092	98.3932	98.8851
Ba 389.178	10.4411	10.4007	11.3702
Be 313.042	4.1961	4.1847	4.1708
Ca 370.602	528.5	529.1	524.9
Cd 226.502	5.2249	5.1604	5.1078
Co 228.615	10.3123	10.9401	10.5474
Cr 267.716	10.2517	10.1090	9.9651
Cu 324.754	22.4079	22.6385	22.8004
Fe 271.441	49.4252	53.2129	49.9111
K 766.491	1059.17	1057.91	1054.00
Mg 279.078	520.337	521.031	522.312

Label	Replicates Concentration		
Mn 257.610	10.7068	10.6946	10.6144
Mo 202.032	10.5202	10.4500	10.4453
Na 330.237	807.345	1037.49	928.991
Ni 231.604	42.7044	42.6207	43.9999
Pb 220.353	9.9823	8.5498	9.2128
Sb 206.834	15.2072	17.5297	21.1084
Se 196.026	18.1994	15.9053	12.3860
Sn 189.925	55.5852	55.8203	52.3775
Sr 216.596	10.6984	10.3669	10.1672
Ti 334.941	10.0459	10.0634	9.9901
Tl 190.794	27.0991	25.7975	24.0662
V 292.401	10.2870	10.3430	10.4027
Zn 206.200	22.3720	21.6431	21.8922

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.4985	ppb	0.1512	1.4	592.661
Al 308.215	206.772	ppb	0.6661	0.3	1813.16
As 188.980	24.0439	ppb	0.5482	2.3	10.5352
B 249.678	98.7291	ppb	0.2912	0.3	1751.80
Ba 389.178	10.7374	ppb	0.5484	5.1	256.731
Be 313.042	4.1838	ppb	0.0127	0.3	9538.88
Ca 370.602	527.5	ppb	2.276	0.4	2614
Cd 226.502	5.1644	ppb	0.0587	1.1	242.500
Co 228.615	10.5999	ppb	0.3172	3.0	93.5303
Cr 267.716	10.1086	ppb	0.1433	1.4	356.500
Cu 324.754	22.6156	ppb	0.1973	0.9	1467.61
Fe 271.441	50.8497	ppb	2.0609	4.1	111.183
K 766.491	1057.03	ppb	2.6982	0.3	146556
Mg 279.078	521.227	ppb	1.0022	0.2	1502.98
Mn 257.610	10.6719	ppb	0.0502	0.5	1993.24
Mo 202.032	10.4718	ppb	0.0419	0.4	86.2675
Na 330.237	924.607	ppb	115.133	12.5	163.528
Ni 231.604	43.1083	ppb	0.7733	1.8	170.793
Pb 220.353	9.2483	ppb	0.7169	7.8	15.2937
Sb 206.834	17.9484	ppb	2.9728	16.6	28.0690
Se 196.026	15.4969	ppb	2.9281	18.9	14.7897
Sn 189.925	54.5943	ppb	1.9234	3.5	33.3759
Sr 216.596	10.4108	ppb	0.2683	2.6	118.743
Ti 334.941	10.0331	ppb	0.0382	0.4	4445.66
Tl 190.794	25.6543	ppb	1.5216	5.9	8.3397
V 292.401	10.3442	ppb	0.0578	0.6	435.958
Zn 206.200	21.9691	ppb	0.3705	1.7	72.5855

LCS 680-334423/4-A (Samp) **6/18/2014, 7:26:35 AM** **Rack 3, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	20.9421	20.9958	21.0308
Al 308.215	1957.35	1954.11	1961.27
As 188.980	40.0294	37.7648	43.9911
B 249.678	78.6577	78.3563	78.6301
Ba 389.178	40.9617	40.1857	40.3525

Label	Replicates Concentration		
Be 313.042	20.7577	20.6722	20.7102
Ca 370.602	2033	2024	2022
Cd 226.502	21.1468	20.9009	20.9121
Co 228.615	21.0399	21.0317	20.6709
Cr 267.716	41.8138	41.2551	41.4655
Cu 324.754	43.0193	42.1992	42.8800
Fe 271.441	2031.70	2008.48	2009.25
K 766.491	2105.90	2099.40	2099.37
Mg 279.078	2020.46	2005.09	2016.41
Mn 257.610	213.833	213.095	213.325
Mo 202.032	40.8704	41.1422	41.8268
Na 330.237	1891.06	1991.99	1972.40
Ni 231.604	44.0679	41.6972	42.0661
Pb 220.353	22.1412	21.5767	21.8358
Sb 206.834	14.0082	18.4671	18.3370
Se 196.026	37.1978	41.7091	37.1053
Sn 189.925	83.4712	81.0517	86.1814
Sr 216.596	39.8508	39.9348	39.7343
Ti 334.941	40.6053	40.4727	40.5240
Tl 190.794	14.7126	16.4835	16.7812
V 292.401	41.9887	41.1312	41.4469
Zn 206.200	41.5845	42.4859	41.5228

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.9895	ppb	0.0447	0.2	1216.76
Al 308.215	1957.58	ppb	3.5881	0.2	13811.5
As 188.980	40.5951	ppb	3.1515	7.8	21.2198
B 249.678	78.5480	ppb	0.1666	0.2	1409.60
Ba 389.178	40.5000	ppb	0.4085	1.0	1079.08
Be 313.042	20.7134	ppb	0.0429	0.2	61233.6
Ca 370.602	2027	ppb	5.783	0.3	10060
Cd 226.502	20.9866	ppb	0.1389	0.7	910.872
Co 228.615	20.9142	ppb	0.2107	1.0	201.437
Cr 267.716	41.5114	ppb	0.2822	0.7	1462.71
Cu 324.754	42.6995	ppb	0.4388	1.0	2578.05
Fe 271.441	2016.48	ppb	13.1904	0.7	2617.11
K 766.491	2101.56	ppb	3.7619	0.2	289229
Mg 279.078	2013.99	ppb	7.9635	0.4	5690.36
Mn 257.610	213.418	ppb	0.3775	0.2	39502.1
Mo 202.032	41.2798	ppb	0.4928	1.2	321.206
Na 330.237	1951.82	ppb	53.5207	2.7	231.142
Ni 231.604	42.6104	ppb	1.2756	3.0	168.970
Pb 220.353	21.8512	ppb	0.2826	1.3	33.2692
Sb 206.834	16.9374	ppb	2.5376	15.0	26.5358
Se 196.026	38.6707	ppb	2.6317	6.8	25.4806
Sn 189.925	83.5681	ppb	2.5662	3.1	56.3697
Sr 216.596	39.8400	ppb	0.1007	0.3	442.501
Ti 334.941	40.5340	ppb	0.0668	0.2	18218.1
Tl 190.794	15.9924	ppb	1.1183	7.0	1.1868
V 292.401	41.5223	ppb	0.4337	1.0	1723.90
Zn 206.200	41.8644	ppb	0.5391	1.3	136.954

640-48216-C-11-A (Samp) **6/18/2014, 7:31:15 AM** **Rack 3, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	0.1309	0.2251	0.2319
Al 308.215	10609.5	10592.3	10623.7
As 188.980	-5.2191u	-2.7571u	-2.2000u
B 249.678	20.3386	19.3570	19.3272
Ba 389.178	22.8176	23.1954	23.5653
Be 313.042	0.3953	0.3955	0.3780
Ca 370.602	1282	1281	1286
Cd 226.502	-0.0145	0.2128	0.1532
Co 228.615	0.4846	0.0827	0.3435
Cr 267.716	-0.0488u	0.0409	0.0423
Cu 324.754	1.1538	1.3977	1.3283
Fe 271.441	543.317	546.118	549.906
K 766.491	594.921	593.521	596.366
Mg 279.078	2221.53	2210.37	2224.67
Mn 257.610	3.1572	3.1461	3.1846
Mo 202.032	0.7251	0.9329	0.9534
Na 330.237	4358.59	4466.17	4606.67
Ni 231.604	3.4355	3.1795	2.6322
Pb 220.353	1.4861	-1.0494u	-0.3043u
Sb 206.834	-2.2883u	-1.1595u	-1.8984u
Se 196.026	-6.2917u	-0.3659u	-6.4088u
Sn 189.925	3.1763	1.4880	-0.1927u
Sr 216.596	45.2444	44.9822	44.7758
Ti 334.941	0.2067	0.2188	0.1924
Tl 190.794	3.9065	-3.4478u	0.6353
V 292.401	0.3375	0.3911	-0.1376u
Zn 206.200	3.5917	3.4353	3.7336

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1960	ppb	0.0565	28.8	-19.6812
Al 308.215	10608.5	ppb	15.7351	0.1	73070.7
As 188.980	-3.3921	ppb	1.6066	47.4	-7.1981
B 249.678	19.6743	ppb	0.5755	2.9	416.956
Ba 389.178	23.1928	ppb	0.3739	1.6	603.477
Be 313.042	0.3896	ppb	0.0100	2.6	-2326.38
Ca 370.602	1283	ppb	2.648	0.2	6367
Cd 226.502	0.1172	ppb	0.1179	100.6	33.2924
Co 228.615	0.3036	ppb	0.2039	67.2	-14.1847
Cr 267.716	0.0115	ppb	0.0522	455.7	0.9357
Cu 324.754	1.2933	ppb	0.1257	9.7	285.788
Fe 271.441	546.447	ppb	3.3069	0.6	741.700
K 766.491	594.936	ppb	1.4222	0.2	83438.9
Mg 279.078	2218.86	ppb	7.5126	0.3	6269.52
Mn 257.610	3.1626	ppb	0.0198	0.6	618.818
Mo 202.032	0.8704	ppb	0.1263	14.5	12.9272
Na 330.237	4477.14	ppb	124.402	2.8	402.808
Ni 231.604	3.0824	ppb	0.4104	13.3	16.5743
Pb 220.353	0.0441	ppb	1.3032	2952.3	1.4335
Sb 206.834	-1.7821	ppb	0.5733	32.2	6.4854
Se 196.026	-4.3555	ppb	3.4556	79.3	5.7306

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	1.4905	ppb	1.6845	113.0	-8.7660
Sr 216.596	45.0008	ppb	0.2349	0.5	499.865
Ti 334.941	0.2060	ppb	0.0132	6.4	14.7948
Tl 190.794	0.3647	ppb	3.6846	1010.4	-10.4067
V 292.401	0.1970	ppb	0.2910	147.7	17.1289
Zn 206.200	3.5869	ppb	0.1492	4.2	13.1191

Cont Calib Verif (CCV) **6/18/2014, 7:35:56 AM** **Rack 4, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	476.531	481.996	478.611
Al 308.215	4704.43	4724.46	4724.39
As 188.980	469.735	463.267	455.290
B 249.678	469.108	471.795	470.140
Ba 389.178	4835.80	4853.19	4833.64
Be 313.042	481.503	482.105	480.824
Ca 370.602	4886	4905	4878
Cd 226.502	483.463	483.578	482.130
Co 228.615	485.073	488.846	486.129
Cr 267.716	4817.57	4826.56	4805.39
Cu 324.754	4898.33	4900.30	4818.49
Fe 271.441	4795.53	4801.09	4786.98
K 766.491	9604.48	9640.52	9589.89
Mg 279.078	4751.22	4780.30	4750.34
Mn 257.610	4881.62	4894.44	4871.46
Mo 202.032	484.186	485.168	482.930
Na 330.237	7069.50	7163.51	7075.93
Ni 231.604	2396.50	2418.61	2398.93
Pb 220.353	488.665	484.754	480.855
Sb 206.834	938.331	942.738	938.700
Se 196.026	4743.84	4752.68	4749.81
Sn 189.925	4827.81	4838.00	4849.48
Sr 216.596	2353.49	2360.76	2350.66
Ti 334.941	476.382	478.291	475.756
Tl 190.794	4886.77	4878.17	4835.13
V 292.401	4811.11	4829.84	4805.16
Zn 206.200	2415.55	2412.71	2405.40

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	479.046	ppb	2.7585	0.6	28471.4	95.80925
Al 308.215	4717.76	ppb	11.5432	0.2	33043.6	94.35522
As 188.980	462.764	ppb	7.2356	1.6	294.083	92.55280
B 249.678	470.348	ppb	1.3556	0.3	8034.55	94.06953
Ba 389.178	4840.88	ppb	10.7189	0.2	132214	96.81758
Be 313.042	481.477	ppb	0.6410	0.1	1503856	96.29544
Ca 370.602	4889	ppb	13.88	0.3	24404	97.78576
Cd 226.502	483.057	ppb	0.8050	0.2	20235.2	96.61140
Co 228.615	486.683	ppb	1.9463	0.4	5075.27	97.33658
Cr 267.716	4816.50	ppb	10.6249	0.2	169664	96.33007
Cu 324.754	4872.38	ppb	46.6758	1.0	270039	97.44752
Fe 271.441	4794.53	ppb	7.1076	0.1	6224.65	95.89069

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9611.63	ppb	26.0592	0.3	1315032	96.11633
Mg 279.078	4760.62	ppb	17.0490	0.4	13397.0	95.21240
Mn 257.610	4882.51	ppb	11.5195	0.2	902946	97.65012
Mo 202.032	484.094	ppb	1.1218	0.2	3698.24	96.81886
Na 330.237	7102.98	ppb	52.5196	0.7	560.854	94.70637
Ni 231.604	2404.68	ppb	12.1208	0.5	9271.84	96.18726
Pb 220.353	484.758	ppb	3.9053	0.8	701.784	96.95163
Sb 206.834	939.923	ppb	2.4450	0.3	1071.00	93.99232
Se 196.026	4748.78	ppb	4.5121	0.1	2179.66	94.97551
Sn 189.925	4838.43	ppb	10.8388	0.2	3829.81	96.76859
Sr 216.596	2354.97	ppb	5.2104	0.2	25641.6	94.19877
Ti 334.941	476.810	ppb	1.3204	0.3	215160	95.36194
Tl 190.794	4866.69	ppb	27.6640	0.6	3565.81	97.33379
V 292.401	4815.37	ppb	12.8793	0.3	200035	96.30743
Zn 206.200	2411.22	ppb	5.2367	0.2	7790.94	96.44884

Cont Calib Blank (CCB) **6/18/2014, 7:40:37 AM** **Rack 4, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.2857	0.4559	0.7428
Al 308.215	-4.8273u	-5.4247u	-5.9244u
As 188.980	-1.0415u	0.5108	4.4631
B 249.678	1.9794	1.8169	2.1191
Ba 389.178	0.5029	0.5626	1.6609
Be 313.042	0.1983	0.2061	0.1974
Ca 370.602	3.764	1.010	3.222
Cd 226.502	0.2178	0.2605	0.2287
Co 228.615	0.2676	0.4583	0.0699
Cr 267.716	0.3388	0.2957	0.4899
Cu 324.754	0.9588	0.6598	0.5942
Fe 271.441	-0.4396u	-1.4455u	1.2103
K 766.491	0.7124	0.3489	0.1428
Mg 279.078	1.9795	4.8269	2.8407
Mn 257.610	0.5431	0.4708	0.4198
Mo 202.032	0.8513	0.8231	0.6081
Na 330.237	247.624	216.366	-52.2282u
Ni 231.604	2.0008	2.1202	1.2335
Pb 220.353	1.6877	0.8552	3.3175
Sb 206.834	-3.6214u	1.4550	-4.9217u
Se 196.026	3.4158	-3.8399u	0.0003
Sn 189.925	3.2783	-0.4393u	0.6565
Sr 216.596	0.7436	0.1879	-0.0540u
Ti 334.941	0.1333	0.1174	0.0854
Tl 190.794	-2.6342u	-3.1102u	-0.2319u
V 292.401	0.5658	0.4978	0.4635
Zn 206.200	0.3632	0.7536	0.2669

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.4948	ppb	0.2310	46.7	-1.8839	0.49480
Al 308.215	-5.3921	ppb	0.5493	10.2	358.366	-5.39215
As 188.980	1.3108	ppb	2.8382	216.5	-4.1546	1.31080

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	1.9718	ppb	0.1512	7.7	118.678	1.97179
Ba 389.178	0.9088	ppb	0.6520	71.7	-13.5639	0.90878
Be 313.042	0.2006	ppb	0.0048	2.4	-2918.78	0.20059
Ca 370.602	2.665	ppb	1.459	54.8	-4.447	2.66531
Cd 226.502	0.2357	ppb	0.0222	9.4	36.2889	0.23569
Co 228.615	0.2653	ppb	0.1942	73.2	-14.6195	0.26526
Cr 267.716	0.3748	ppb	0.1020	27.2	13.6114	0.37481
Cu 324.754	0.7376	ppb	0.1943	26.3	256.405	0.73757
Fe 271.441	-0.2250	ppb	1.3408	596.0	45.0925	-0.22496
K 766.491	0.4014	ppb	0.2884	71.9	2231.21	0.40137
Mg 279.078	3.2157	ppb	1.4603	45.4	48.2762	3.21569
Mn 257.610	0.4779	ppb	0.0619	13.0	104.070	0.47791
Mo 202.032	0.7608	ppb	0.1330	17.5	12.1502	0.76081
Na 330.237	137.254	ppb	164.839	120.1	110.769	137.25383
Ni 231.604	1.7848	ppb	0.4812	27.0	11.5419	1.78482
Pb 220.353	1.9535	ppb	1.2525	64.1	4.8204	1.95345
Sb 206.834	-2.3627	ppb	3.3696	142.6	5.8505	-2.36268
Se 196.026	-0.1413	ppb	3.6299	2569.2	7.6338	-0.14128
Sn 189.925	1.1652	ppb	1.9103	164.0	-9.0255	1.16515
Sr 216.596	0.2925	ppb	0.4089	139.8	10.0521	0.29252
Ti 334.941	0.1120	ppb	0.0244	21.8	-34.0634	0.11201
Tl 190.794	-1.9921	ppb	1.5429	77.4	-11.9586	-1.99212
V 292.401	0.5090	ppb	0.0521	10.2	29.9530	0.50901
Zn 206.200	0.4612	ppb	0.2577	55.9	2.9785	0.46122

640-48216-C-11-B MS (Samp) **6/18/2014, 7:45:18 AM** **Rack 4, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	20.2642	20.4224	20.1219
Al 308.215	11898.6	11868.5	11885.5
As 188.980	40.6819	44.0734	44.9190
B 249.678	94.9894	94.3079	94.7491
Ba 389.178	61.8516	62.2392	61.6734
Be 313.042	20.6064	20.5181	20.5513
Ca 370.602	3197	3179	3184
Cd 226.502	20.4420	20.0669	20.1730
Co 228.615	20.3445	20.6464	20.7916
Cr 267.716	40.5553	40.8790	40.8161
Cu 324.754	43.2686	42.6106	42.2601
Fe 271.441	2473.94	2468.85	2474.90
K 766.491	2647.66	2632.86	2643.97
Mg 279.078	4042.40	4027.74	4035.41
Mn 257.610	211.787	211.189	211.279
Mo 202.032	40.6912	40.5940	40.0490
Na 330.237	6251.83	6073.63	6307.52
Ni 231.604	42.6530	41.9059	41.6160
Pb 220.353	21.5821	19.3976	19.7219
Sb 206.834	13.1230	12.3020	18.0167
Se 196.026	22.8942	11.9859	25.3051
Sn 189.925	83.7308	82.0684	86.2894
Sr 216.596	81.6899	81.3023	80.2605

Label	Replicates Concentration		
Ti 334.941	39.7054	39.5552	39.6819
Tl 190.794	8.4182	16.5336	12.6480
V 292.401	40.9554	40.7567	40.6813
Zn 206.200	43.4767	43.2544	43.1277

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.2695	ppb	0.1503	0.7	1173.92
Al 308.215	11884.2	ppb	15.0648	0.1	81815.5
As 188.980	43.2248	ppb	2.2424	5.2	22.9143
B 249.678	94.6822	ppb	0.3456	0.4	1681.51
Ba 389.178	61.9214	ppb	0.2893	0.5	1671.73
Be 313.042	20.5586	ppb	0.0446	0.2	60750.9
Ca 370.602	3187	ppb	8.941	0.3	15834
Cd 226.502	20.2273	ppb	0.1933	1.0	880.774
Co 228.615	20.5942	ppb	0.2281	1.1	198.120
Cr 267.716	40.7501	ppb	0.1716	0.4	1436.01
Cu 324.754	42.7131	ppb	0.5120	1.2	2577.53
Fe 271.441	2472.56	ppb	3.2541	0.1	3198.31
K 766.491	2641.50	ppb	7.7017	0.3	362979
Mg 279.078	4035.18	ppb	7.3317	0.2	11365.7
Mn 257.610	211.418	ppb	0.3224	0.2	39148.9
Mo 202.032	40.4447	ppb	0.3461	0.9	314.781
Na 330.237	6210.99	ppb	122.175	2.0	517.812
Ni 231.604	42.0583	ppb	0.5350	1.3	166.869
Pb 220.353	20.2339	ppb	1.1788	5.8	30.3457
Sb 206.834	14.4806	ppb	3.0898	21.3	23.8440
Se 196.026	20.0617	ppb	7.0970	35.4	16.9927
Sn 189.925	84.0295	ppb	2.1263	2.5	56.7371
Sr 216.596	81.0842	ppb	0.7392	0.9	894.409
Ti 334.941	39.6475	ppb	0.0808	0.2	17823.8
Tl 190.794	12.5333	ppb	4.0589	32.4	-1.5147
V 292.401	40.7978	ppb	0.1416	0.3	1694.17
Zn 206.200	43.2862	ppb	0.1766	0.4	141.577

640-48216-C-11-C MSD (Samp) **6/18/2014, 7:49:59 AM** **Rack 4, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	20.5461	20.3640	20.5765
Al 308.215	12123.4	12113.2	12151.2
As 188.980	38.9703	41.5706	44.2150
B 249.678	97.8989	97.1528	97.9296
Ba 389.178	62.2243	62.9419	63.2537
Be 313.042	21.0677	21.0441	21.1318
Ca 370.602	3263	3261	3265
Cd 226.502	20.9986	20.8083	20.9448
Co 228.615	21.6597	21.5176	21.3636
Cr 267.716	41.6302	41.6382	41.8532
Cu 324.754	43.5659	43.9194	43.6079
Fe 271.441	2530.62	2533.26	2543.49
K 766.491	2709.02	2708.62	2710.07
Mg 279.078	4123.44	4120.13	4136.70

Label	Replicates Concentration		
Mn 257.610	216.624	216.334	217.265
Mo 202.032	40.7006	41.5342	41.9627
Na 330.237	6296.84	6241.74	6384.84
Ni 231.604	43.0308	42.6329	44.4184
Pb 220.353	20.9247	20.0714	21.6102
Sb 206.834	17.6059	22.6447	18.4948
Se 196.026	20.2969	11.4590	31.2613
Sn 189.925	88.2111	80.5789	83.0983
Sr 216.596	83.1140	83.3615	83.4857
Ti 334.941	40.6488	40.6284	40.6800
Tl 190.794	11.5091	19.8580	14.5783
V 292.401	41.8237	41.7700	41.8480
Zn 206.200	44.8643	45.0943	45.5646

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.4955	ppb	0.1149	0.6	1187.37
Al 308.215	12129.3	ppb	19.6816	0.2	83494.6
As 188.980	41.5853	ppb	2.6224	6.3	21.8548
B 249.678	97.6604	ppb	0.4399	0.5	1731.77
Ba 389.178	62.8066	ppb	0.5279	0.8	1696.34
Be 313.042	21.0812	ppb	0.0454	0.2	62385.3
Ca 370.602	3263	ppb	2.006	0.1	16214
Cd 226.502	20.9172	ppb	0.0981	0.5	909.829
Co 228.615	21.5136	ppb	0.1481	0.7	207.745
Cr 267.716	41.7072	ppb	0.1265	0.3	1469.72
Cu 324.754	43.6977	ppb	0.1931	0.4	2631.98
Fe 271.441	2535.79	ppb	6.7978	0.3	3278.91
K 766.491	2709.24	ppb	0.7514	0.0	372232
Mg 279.078	4126.76	ppb	8.7694	0.2	11622.8
Mn 257.610	216.741	ppb	0.4761	0.2	40134.1
Mo 202.032	41.3991	ppb	0.6418	1.6	322.059
Na 330.237	6307.80	ppb	72.1780	1.1	524.279
Ni 231.604	43.3607	ppb	0.9374	2.2	171.891
Pb 220.353	20.8688	ppb	0.7709	3.7	31.2431
Sb 206.834	19.5818	ppb	2.6895	13.7	29.4446
Se 196.026	21.0057	ppb	9.9201	47.2	17.4273
Sn 189.925	83.9628	ppb	3.8888	4.6	56.6842
Sr 216.596	83.3204	ppb	0.1892	0.2	918.886
Ti 334.941	40.6524	ppb	0.0260	0.1	18277.7
Tl 190.794	15.3151	ppb	4.2230	27.6	0.5215
V 292.401	41.8139	ppb	0.0399	0.1	1736.18
Zn 206.200	45.1744	ppb	0.3570	0.8	147.690

640-48216-C-12-A (Samp) **6/18/2014, 7:54:40 AM** **Rack 4, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-1.7990u	-1.5813u	-1.5243u
Al 308.215	546430	546597	546554
As 188.980	6.2340	-1.6045u	11.8012
B 249.678	53.8409	52.6604	52.8582
Ba 389.178	3.7385	4.1336	3.2652

Label	Replicates Concentration		
Be 313.042	3.0179	3.0039	2.9998
Ca 370.602	295551	295500	294927
Cd 226.502	1.8148	1.7685	1.5205
Co 228.615	7.9029	8.2891	7.5938
Cr 267.716	2.1851	2.8738	2.3763
Cu 324.754	-1.3506u	-1.3712u	-1.3393u
Fe 271.441	9944.85	9939.32	9919.53
K 766.491	2555.37	2557.18	2552.84
Mg 279.078	18769.2	18780.3	18751.9
Mn 257.610	131.251	131.606	131.592
Mo 202.032	0.8331	1.2158	0.7468
Na 330.237	17213.5	17593.4	17525.6
Ni 231.604	48.0467	47.6521	45.5458
Pb 220.353	3.7779u	8.1307u	1.1016u
Sb 206.834	1.5995	-1.6702u	-6.4275u
Se 196.026	12.2272	-0.6620	-9.5337u
Sn 189.925	4.6878	2.7701	1.6361
Sr 216.596	535.362	534.941	535.843
Ti 334.941	0.7132	0.7164	0.6654
Tl 190.794	-9.9670u	-4.9982u	-7.2710u
V 292.401	1.8334	2.1427	1.9043
Zn 206.200	162.032	161.332	162.982

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6348	ppb	0.1450	8.9	-127.448
Al 308.215	546527	ppb	86.8287	0.0	3744477
As 188.980	5.4769	ppb	6.7348	123.0	-1.5552
B 249.678	53.1199	ppb	0.6323	1.2	973.850
Ba 389.178	3.7124	ppb	0.4348	11.7	146.375
Be 313.042	3.0072	ppb	0.0095	0.3	6100.71
Ca 370.602	295326	ppb	346.4	0.1	1472036
Cd 226.502	1.7013	ppb	0.1583	9.3	133.141
Co 228.615	7.9286	ppb	0.3484	4.4	66.2300
Cr 267.716	2.4784	ppb	0.3555	14.3	91.8066
Cu 324.754	-1.3537	ppb	0.0162	1.2	-184.036
Fe 271.441	9934.57	ppb	13.3125	0.1	12705.9
K 766.491	2555.13	ppb	2.1764	0.1	351182
Mg 279.078	18767.2	ppb	14.3218	0.1	52721.5
Mn 257.610	131.483	ppb	0.2010	0.2	24502.4
Mo 202.032	0.9319	ppb	0.2496	26.8	12.3650
Na 330.237	17444.2	ppb	202.602	1.2	1271.03
Ni 231.604	47.0816	ppb	1.3445	2.9	186.874
Pb 220.353	4.3367	ppb	3.5477	81.8	-24.3443
Sb 206.834	-2.1661	ppb	4.0364	186.3	6.0828
Se 196.026	0.6772	ppb	10.9421	1615.8	10.2971
Sn 189.925	3.0313	ppb	1.5425	50.9	-7.5395
Sr 216.596	535.382	ppb	0.4515	0.1	5965.50
Ti 334.941	0.6984	ppb	0.0286	4.1	324.284
Tl 190.794	-7.4121	ppb	2.4874	33.6	-23.9579
V 292.401	1.9601	ppb	0.1621	8.3	89.7238
Zn 206.200	162.115	ppb	0.8286	0.5	526.743

640-48216-C-13-A (Samp) **6/18/2014, 7:59:21 AM** **Rack 4, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	0.1414	-0.5171u	-0.2258u
Al 308.215	931.005	919.938	905.121
As 188.980	0.9952	-1.4870u	0.8501
B 249.678	14.2015	14.1611	14.9975
Ba 389.178	4.1604	4.3545	4.0365
Be 313.042	0.1708	0.2051	0.1701
Ca 370.602	646.5	644.1	634.8
Cd 226.502	1.0397	1.0527	1.0296
Co 228.615	0.0098	-0.0515u	0.4408
Cr 267.716	0.4522	0.7452	0.5554
Cu 324.754	0.3716	0.4382	0.6163
Fe 271.441	125.183	126.744	127.466
K 766.491	150.984	151.173	151.845
Mg 279.078	1096.64	1098.67	1101.63
Mn 257.610	1.0226	1.0909	1.0407
Mo 202.032	0.6708	0.7226	0.2437
Na 330.237	4070.81	4055.13	4040.25
Ni 231.604	2.6085	1.6694	2.8052
Pb 220.353	46.1299	42.4015	42.2258
Sb 206.834	-7.9085u	-2.1546u	-0.2968u
Se 196.026	0.7820	-0.5967u	3.0408
Sn 189.925	-1.2643u	2.2543	-1.8402u
Sr 216.596	5.8307	6.2083	6.2590
Ti 334.941	1.5215	1.5135	1.4811
Tl 190.794	-5.5944u	-3.9787u	-0.0557u
V 292.401	0.7038	0.8296	0.6660
Zn 206.200	0.7080	0.3143	0.6159

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2005	ppb	0.3299	164.5	-43.2280
Al 308.215	918.688	ppb	12.9871	1.4	6688.94
As 188.980	0.1194	ppb	1.3931	1166.4	-4.9256
B 249.678	14.4534	ppb	0.4717	3.3	329.186
Ba 389.178	4.1838	ppb	0.1603	3.8	79.7196
Be 313.042	0.1820	ppb	0.0200	11.0	-2976.94
Ca 370.602	641.8	ppb	6.210	1.0	3180
Cd 226.502	1.0407	ppb	0.0115	1.1	70.3830
Co 228.615	0.1330	ppb	0.2683	201.7	-15.9623
Cr 267.716	0.5843	ppb	0.1486	25.4	21.0415
Cu 324.754	0.4754	ppb	0.1265	26.6	241.141
Fe 271.441	126.464	ppb	1.1670	0.9	206.525
K 766.491	151.334	ppb	0.4523	0.3	22847.1
Mg 279.078	1098.98	ppb	2.5088	0.2	3125.42
Mn 257.610	1.0514	ppb	0.0354	3.4	218.745
Mo 202.032	0.5457	ppb	0.2628	48.2	10.4940
Na 330.237	4055.40	ppb	15.2811	0.4	374.595
Ni 231.604	2.3611	ppb	0.6070	25.7	13.7691
Pb 220.353	43.5858	ppb	2.2051	5.1	64.6849
Sb 206.834	-3.4533	ppb	3.9685	114.9	4.6574
Se 196.026	1.0754	ppb	1.8364	170.8	8.1978

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	-0.2834	ppb	2.2165	782.2	-10.1739
Sr 216.596	6.0993	ppb	0.2340	3.8	73.8601
Ti 334.941	1.5054	ppb	0.0214	1.4	597.520
Tl 190.794	-3.2096	ppb	2.8483	88.7	-12.8713
V 292.401	0.7332	ppb	0.0856	11.7	39.4078
Zn 206.200	0.5461	ppb	0.2059	37.7	3.2568

640-48216-C-14-A (Samp) **6/18/2014, 8:04:02 AM** **Rack 4, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-1.9452u	-1.7254u	-1.8893u
Al 308.215	936622x	937565x	938762x
As 188.980	8.2353	8.4429	20.6546
B 249.678	55.2330	55.5048	54.1911
Ba 389.178	0.3670	-0.0778	1.2241
Be 313.042	3.0759	3.0758	3.0676
Ca 370.602	474558	473965	472197
Cd 226.502	2.4677	2.5062	2.9598
Co 228.615	11.7609	12.0209	11.3564
Cr 267.716	6.7333	6.5207	6.5661
Cu 324.754	-2.2588u	-2.3986u	-2.0278u
Fe 271.441	11623.8	11641.3	11621.9
K 766.491	3960.86	3956.68	3971.06
Mg 279.078	49330.3	49297.5	49354.8
Mn 257.610	285.314	285.374	287.360
Mo 202.032	1.3446	1.1227	1.7389
Na 330.237	15637.3	15276.3	15454.2
Ni 231.604	78.5137	77.7148	76.5924
Pb 220.353	3.4314u	3.9688u	0.3408u
Sb 206.834	-6.4873u	2.8990	-4.0098u
Se 196.026	5.6177	0.6852	21.0985
Sn 189.925	14.1462	2.3571	-1.8350u
Sr 216.596	624.728	626.729	626.114
Ti 334.941	3.7226	3.6735	3.6899
Tl 190.794	-6.9916u	-5.9200u	-15.1494u
V 292.401	1.3593	1.4639	1.5909
Zn 206.200	105.984	105.570	107.062

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.8533b	ppb	0.1142	6.2	-139.027
Al 308.215	937650xb	ppb	1072.64	0.1	6423934
As 188.980	12.4443b	ppb	7.1111	57.1	2.9305
B 249.678	54.9763b	ppb	0.6935	1.3	1003.77
Ba 389.178	0.5044b	ppb	0.6617	131.2	161.620
Be 313.042	3.0731b	ppb	0.0047	0.2	6463.57
Ca 370.602	473573b	ppb	1228	0.3	2360589
Cd 226.502	2.6446b	ppb	0.2737	10.3	179.065
Co 228.615	11.7127b	ppb	0.3348	2.9	106.013
Cr 267.716	6.6067b	ppb	0.1120	1.7	240.048
Cu 324.754	-2.2284b	ppb	0.1873	8.4	-428.484
Fe 271.441	11629.0b	ppb	10.6947	0.1	14865.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	3962.87b	ppb	7.3968	0.2	543465
Mg 279.078	49327.5b	ppb	28.7213	0.1	138546
Mn 257.610	286.016b	ppb	1.1640	0.4	53316.4
Mo 202.032	1.4021b	ppb	0.3121	22.3	15.7683
Na 330.237	15456.0b	ppb	180.512	1.2	1136.41
Ni 231.604	77.6070b	ppb	0.9652	1.2	304.803
Pb 220.353	2.5803b	ppb	1.9580	75.9	-50.1178
Sb 206.834	-2.5327b	ppb	4.8644	192.1	5.7087
Se 196.026	9.1338b	ppb	10.6512	116.6	15.4474
Sn 189.925	4.8894b	ppb	8.2861	169.5	-6.0655
Sr 216.596	625.857b	ppb	1.0248	0.2	7013.15
Ti 334.941	3.6953b	ppb	0.0250	0.7	1791.05
Tl 190.794	-9.3537b	ppb	5.0478	54.0	-30.7985
V 292.401	1.4713b	ppb	0.1160	7.9	66.3095
Zn 206.200	106.205b	ppb	0.7702	0.7	345.749

640-48216-C-15-A (Samp) **6/18/2014, 8:08:43 AM** **Rack 4, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-1.9952u	-1.7051u	-2.1591u
Al 308.215	932213x	931734x	931658x
As 188.980	5.9085	4.7169	4.9234
B 249.678	54.9287	53.5971	53.5536
Ba 389.178	2.2485	1.7386	2.4696
Be 313.042	3.3000	3.2996	3.3003
Ca 370.602	469903	468143	467936
Cd 226.502	2.8366	3.1696	3.2031
Co 228.615	10.4974	11.2235	11.2940
Cr 267.716	3.7436	4.2259	4.1161
Cu 324.754	1.2075u	1.6326u	1.3937u
Fe 271.441	22012.9	22035.9	21969.1
K 766.491	3348.61	3347.48	3340.75
Mg 279.078	44175.8	44178.5	44107.7
Mn 257.610	255.861	256.347	255.065
Mo 202.032	5.2945	4.5328	3.3293
Na 330.237	15392.8	15207.1	15137.7
Ni 231.604	78.5441	77.1573	76.1419
Pb 220.353	11.3564u	9.4781u	5.5566u
Sb 206.834	-2.9539u	8.8735	6.6041
Se 196.026	16.8478	-15.5850u	-3.3550
Sn 189.925	-6.1557u	1.3967	4.9408
Sr 216.596	601.397	599.749	601.040
Ti 334.941	1.3311	1.3122	1.3298
Tl 190.794	-12.7625u	-11.7868u	-9.5859u
V 292.401	1.8192	1.6611	1.6959
Zn 206.200	105.826	100.746	101.133

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9532b	ppb	0.2299	11.8	-146.216
Al 308.215	931868xb	ppb	301.184	0.0	6384327
As 188.980	5.1829b	ppb	0.6368	12.3	-1.8561

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	54.0265b	ppb	0.7816	1.4	979.496
Ba 389.178	2.1522b	ppb	0.3749	17.4	213.379
Be 313.042	3.2999b	ppb	0.0004	0.0	7169.09
Ca 370.602	468661b	ppb	1081	0.2	2335912
Cd 226.502	3.0698b	ppb	0.2026	6.6	233.660
Co 228.615	11.0050b	ppb	0.4410	4.0	99.0985
Cr 267.716	4.0285b	ppb	0.2528	6.3	149.153
Cu 324.754	1.4113b	ppb	0.2131	15.1	-221.274
Fe 271.441	22006.0b	ppb	33.9256	0.2	28089.0
K 766.491	3345.61b	ppb	4.2472	0.1	459155
Mg 279.078	44154.0b	ppb	40.1294	0.1	123990
Mn 257.610	255.758b	ppb	0.6472	0.3	47711.1
Mo 202.032	4.3855b	ppb	0.9908	22.6	37.4063
Na 330.237	15245.8b	ppb	131.931	0.9	1117.21
Ni 231.604	77.2811b	ppb	1.2058	1.6	304.040
Pb 220.353	8.7970b	ppb	2.9593	33.6	-40.9810
Sb 206.834	4.1745b	ppb	6.2768	150.4	13.0030
Se 196.026	-0.6974b	ppb	16.3789	2348.6	11.1811
Sn 189.925	0.0606b	ppb	5.6676	9347.9	-9.8977
Sr 216.596	600.729b	ppb	0.8673	0.1	6746.99
Ti 334.941	1.3244b	ppb	0.0106	0.8	708.195
Tl 190.794	-11.3784b	ppb	1.6272	14.3	-32.8174
V 292.401	1.7254b	ppb	0.0831	4.8	81.4572
Zn 206.200	102.568b	ppb	2.8274	2.8	334.336

680-102226-A-9-A (Samp) **6/18/2014, 8:13:24 AM** **Rack 4, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	0.5581	0.1306	0.4919
Al 308.215	261.411	221.803	202.152
As 188.980	2.3409	0.0696	0.1213
B 249.678	13.2731	13.5888	13.0399
Ba 389.178	10.8114	9.2975	10.2511
Be 313.042	0.1538	0.1421	0.1409
Ca 370.602	34038	33990	34040
Cd 226.502	0.0866	0.0148	0.0424
Co 228.615	0.1572	-0.0812u	0.1714
Cr 267.716	-0.0105u	0.0879	0.0269
Cu 324.754	2.4648	2.5617	2.4833
Fe 271.441	-1.6683u	-13.8616u	-7.3908u
K 766.491	975.338	974.775	976.434
Mg 279.078	6604.96	6596.28	6609.28
Mn 257.610	2.8842	2.8926	2.8646
Mo 202.032	11.9058	11.9354	12.1368
Na 330.237	8450.88	8354.06	8461.96
Ni 231.604	2.2996	-0.0057u	0.4906
Pb 220.353	-1.8742u	2.3741	0.9435
Sb 206.834	-7.1287u	-2.2144u	-5.8034u
Se 196.026	-4.6141u	8.5049	0.6326
Sn 189.925	1.8175	1.8465	1.1400
Sr 216.596	128.743	127.694	127.251

Label	Replicates Concentration		
Ti 334.941	0.0681	0.0751	0.0246
Tl 190.794	-1.7566u	-3.0361u	-1.6552u
V 292.401	3.2703	3.3631	3.3458
Zn 206.200	0.6313	-0.1914u	1.3390

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3935	ppb	0.2301	58.5	-8.0040
Al 308.215	228.455	ppb	30.1845	13.2	1961.39
As 188.980	0.8440	ppb	1.2967	153.6	-4.4527
B 249.678	13.3006	ppb	0.2755	2.1	309.869
Ba 389.178	10.1200	ppb	0.7654	7.6	259.414
Be 313.042	0.1456	ppb	0.0071	4.9	-3075.04
Ca 370.602	34023	ppb	28.54	0.1	169589
Cd 226.502	0.0479	ppb	0.0362	75.6	28.4561
Co 228.615	0.0825	ppb	0.1419	172.1	-16.8250
Cr 267.716	0.0348	ppb	0.0497	142.7	1.6922
Cu 324.754	2.5033	ppb	0.0515	2.1	317.024
Fe 271.441	-7.6402	ppb	6.1005	79.8	35.6761
K 766.491	975.516	ppb	0.8436	0.1	135422
Mg 279.078	6603.51	ppb	6.6180	0.1	18585.3
Mn 257.610	2.8805	ppb	0.0143	0.5	598.502
Mo 202.032	11.9926	ppb	0.1257	1.0	97.8875
Na 330.237	8422.30	ppb	59.3552	0.7	668.828
Ni 231.604	0.9282	ppb	1.2133	130.7	8.2403
Pb 220.353	0.4811	ppb	2.1616	449.3	2.6746
Sb 206.834	-5.0488	ppb	2.5426	50.4	2.6473
Se 196.026	1.5078	ppb	6.6032	437.9	8.6194
Sn 189.925	1.6013	ppb	0.3998	25.0	-8.6770
Sr 216.596	127.896	ppb	0.7663	0.6	1416.41
Ti 334.941	0.0560	ppb	0.0274	48.9	-42.4403
Tl 190.794	-2.1493	ppb	0.7696	35.8	-12.0791
V 292.401	3.3264	ppb	0.0493	1.5	143.875
Zn 206.200	0.5929	ppb	0.7659	129.2	3.4056

680-102226-A-12-A (Samp) **6/18/2014, 8:18:05 AM** **Rack 4, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	0.0896	0.7370	0.3388
Al 308.215	14.1682	11.9833	18.4532
As 188.980	6.7426	1.4252	-7.3145u
B 249.678	13.1600	12.7629	12.5029
Ba 389.178	11.4826	11.5180	10.4270
Be 313.042	0.1493	0.1457	0.1501
Ca 370.602	32968	32954	32930
Cd 226.502	0.1385	0.0558	0.2131
Co 228.615	0.6225	0.5957	-0.0122u
Cr 267.716	0.0486	0.0684	0.2260
Cu 324.754	17.5781	17.4475	17.6270
Fe 271.441	-24.0135u	-19.0643u	-21.4309u
K 766.491	878.455	878.193	877.843
Mg 279.078	6804.17	6810.78	6820.73

Label	Replicates Concentration		
Mn 257.610	0.6236	0.5908	0.6723
Mo 202.032	11.9500	12.5240	11.8532
Na 330.237	6887.78	6658.97	6782.06
Ni 231.604	1.1981	1.0892	0.7922
Pb 220.353	0.6394	-1.1575u	-2.7209u
Sb 206.834	-6.7231u	-5.9749u	-9.6525u
Se 196.026	13.1760	-2.7513u	9.0739
Sn 189.925	-0.8848u	-1.9499u	2.3573
Sr 216.596	172.675	172.844	172.552
Ti 334.941	0.0731	0.0291	0.0582
Tl 190.794	-5.0611u	-1.8000u	-4.6228u
V 292.401	5.7424	5.5938	5.5423
Zn 206.200	4.1781	4.2178	4.8174

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3885	ppb	0.3266	84.1	-8.3078
Al 308.215	14.8683	ppb	3.2913	22.1	498.327
As 188.980	0.2844	ppb	7.0977	2495.4	-4.8140
B 249.678	12.8086	ppb	0.3309	2.6	301.546
Ba 389.178	11.1426	ppb	0.6199	5.6	287.987
Be 313.042	0.1484	ppb	0.0023	1.6	-3065.88
Ca 370.602	32951	ppb	19.17	0.1	164247
Cd 226.502	0.1358	ppb	0.0787	58.0	32.0914
Co 228.615	0.4020	ppb	0.3589	89.3	-13.4847
Cr 267.716	0.1143	ppb	0.0972	85.0	4.4477
Cu 324.754	17.5508	ppb	0.0928	0.5	1151.74
Fe 271.441	-21.5029	ppb	2.4754	11.5	18.0726
K 766.491	878.164	ppb	0.3067	0.0	122125
Mg 279.078	6811.89	ppb	8.3369	0.1	19170.6
Mn 257.610	0.6289	ppb	0.0410	6.5	183.659
Mo 202.032	12.1090	ppb	0.3626	3.0	98.7762
Na 330.237	6776.27	ppb	114.513	1.7	557.950
Ni 231.604	1.0265	ppb	0.2101	20.5	8.6184
Pb 220.353	-1.0796	ppb	1.6815	155.7	0.4407
Sb 206.834	-7.4502	ppb	1.9436	26.1	0.0009
Se 196.026	6.4996	ppb	8.2698	127.2	10.8934
Sn 189.925	-0.1591	ppb	2.2434	1409.8	-10.0745
Sr 216.596	172.691	ppb	0.1465	0.1	1905.91
Ti 334.941	0.0535	ppb	0.0224	41.9	-42.8342
Tl 190.794	-3.8280	ppb	1.7699	46.2	-13.3050
V 292.401	5.6262	ppb	0.1039	1.8	239.628
Zn 206.200	4.4044	ppb	0.3582	8.1	15.7466

680-102226-A-13-A (Samp) **6/18/2014, 8:22:46 AM** **Rack 4, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	-0.0001u	0.1633	0.4916
Al 308.215	5.7575	4.8512	4.3957
As 188.980	-0.6470u	-5.6226u	-0.0971u
B 249.678	7.3791	7.9247	7.4300
Ba 389.178	8.9329	8.5708	8.9771

Label	Replicates Concentration		
Be 313.042	0.1318	0.1612	0.1521
Ca 370.602	25180	25173	25158
Cd 226.502	0.0029	-0.1096u	-0.0137u
Co 228.615	-0.4531u	-0.2893u	0.1443
Cr 267.716	0.1475	-0.0057u	0.0635
Cu 324.754	3.2899	3.4732	3.5775
Fe 271.441	128.078	132.364	127.913
K 766.491	473.473	473.721	472.469
Mg 279.078	5383.62	5372.54	5376.82
Mn 257.610	14.3054	14.3136	14.3140
Mo 202.032	8.6007	7.7574	8.4284
Na 330.237	4354.59	4352.77	4476.48
Ni 231.604	1.8566	2.0687	1.2422
Pb 220.353	3.0485	-0.6153u	2.3714
Sb 206.834	-4.7356u	-4.3443u	-3.6228u
Se 196.026	-4.7079u	-9.2665u	5.7938
Sn 189.925	1.4557	2.5666	-0.4026u
Sr 216.596	134.812	134.066	134.777
Ti 334.941	0.1390	0.1355	0.1113
Tl 190.794	-1.2781u	-2.0231u	-3.2504u
V 292.401	0.1317	0.3120	0.1970
Zn 206.200	2.3391	1.1058	1.7806

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2183	ppb	0.2504	114.7	-18.3744
Al 308.215	5.0015	ppb	0.6932	13.9	430.109
As 188.980	-2.1223	ppb	3.0439	143.4	-6.3715
B 249.678	7.5779	ppb	0.3014	4.0	213.165
Ba 389.178	8.8269	ppb	0.2229	2.5	220.423
Be 313.042	0.1483	ppb	0.0150	10.1	-3071.13
Ca 370.602	25170	ppb	11.41	0.0	125457
Cd 226.502	-0.0401	ppb	0.0607	151.3	25.2806
Co 228.615	-0.1994	ppb	0.3087	154.8	-19.6700
Cr 267.716	0.0684	ppb	0.0767	112.1	2.8688
Cu 324.754	3.4469	ppb	0.1456	4.2	378.997
Fe 271.441	129.452	ppb	2.5238	1.9	210.306
K 766.491	473.221	ppb	0.6626	0.1	66813.8
Mg 279.078	5377.66	ppb	5.5898	0.1	15142.1
Mn 257.610	14.3110	ppb	0.0049	0.0	2703.30
Mo 202.032	8.2622	ppb	0.4456	5.4	69.3974
Na 330.237	4394.61	ppb	70.9037	1.6	397.462
Ni 231.604	1.7225	ppb	0.4293	24.9	11.3081
Pb 220.353	1.6015	ppb	1.9495	121.7	4.3027
Sb 206.834	-4.2342	ppb	0.5645	13.3	3.6245
Se 196.026	-2.7268	ppb	7.7231	283.2	6.6289
Sn 189.925	1.2066	ppb	1.5002	124.3	-8.9914
Sr 216.596	134.552	ppb	0.4212	0.3	1486.48
Ti 334.941	0.1286	ppb	0.0151	11.7	-12.5230
Tl 190.794	-2.1839	ppb	0.9959	45.6	-12.1087
V 292.401	0.2135	ppb	0.0913	42.8	15.4615
Zn 206.200	1.7419	ppb	0.6176	35.5	7.1307

680-102226-A-14-A (Samp) **6/18/2014, 8:27:27 AM** **Rack 4, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	0.0593	0.7515	0.3067
Al 308.215	1.0523	-0.4713u	1.0511
As 188.980	2.7649	4.9148	-0.1464u
B 249.678	6.9282	7.1288	6.6957
Ba 389.178	7.8194	7.0724	7.3984
Be 313.042	0.1604	0.1518	0.1422
Ca 370.602	23562	23592	23597
Cd 226.502	0.0699	0.0126	-0.0444u
Co 228.615	0.2085	0.0157u	0.3563
Cr 267.716	-0.3201u	0.1128	-0.1145u
Cu 324.754	0.5504	0.4391u	0.7723
Fe 271.441	-7.1341u	-3.0147u	-3.6695u
K 766.491	439.244	440.744	441.665
Mg 279.078	5093.89	5094.06	5103.06
Mn 257.610	1.7410	1.7151	1.7446
Mo 202.032	7.7348	7.8730	8.1773
Na 330.237	4196.15	4194.20	4101.26
Ni 231.604	2.0350	0.5217	1.0710
Pb 220.353	-0.4452u	1.2363	5.0525
Sb 206.834	-5.3317u	-8.8002u	-1.6063u
Se 196.026	-7.8939u	-3.6352u	1.0809
Sn 189.925	-0.8448u	0.2429	0.1499
Sr 216.596	126.638	127.341	126.985
Ti 334.941	0.0843	0.0600	0.0466
Tl 190.794	-0.7718u	-4.6292u	1.4771
V 292.401	0.1175	0.1575	0.1380
Zn 206.200	1.0224	0.9986	0.7342

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3725	ppb	0.3508	94.2	-9.2387
Al 308.215	0.5440	ppb	0.8793	161.6	399.545
As 188.980	2.5111	ppb	2.5401	101.2	-3.3769
B 249.678	6.9175	ppb	0.2167	3.1	202.131
Ba 389.178	7.4301	ppb	0.3745	5.0	181.057
Be 313.042	0.1515	ppb	0.0091	6.0	-3062.04
Ca 370.602	23584	ppb	19.15	0.1	117549
Cd 226.502	0.0127	ppb	0.0571	450.0	27.0036
Co 228.615	0.1935	ppb	0.1708	88.3	-15.5574
Cr 267.716	-0.1073	ppb	0.2166	201.9	-3.3245
Cu 324.754	0.5873	ppb	0.1696	28.9	222.325
Fe 271.441	-4.6061	ppb	2.2136	48.1	39.4938
K 766.491	440.551	ppb	1.2223	0.3	62351.4
Mg 279.078	5097.00	ppb	5.2443	0.1	14354.2
Mn 257.610	1.7336	ppb	0.0161	0.9	374.959
Mo 202.032	7.9284	ppb	0.2264	2.9	66.8645
Na 330.237	4163.87	ppb	54.2330	1.3	381.990
Ni 231.604	1.2093	ppb	0.7661	63.4	9.3237
Pb 220.353	1.9479	ppb	2.8171	144.6	4.8037
Sb 206.834	-5.2461	ppb	3.5977	68.6	2.5176
Se 196.026	-3.4827	ppb	4.4894	128.9	6.2668

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	-0.1507	ppb	0.6029	400.1	-10.0686
Sr 216.596	126.988	ppb	0.3513	0.3	1403.14
Ti 334.941	0.0636	ppb	0.0191	30.0	-42.5987
Tl 190.794	-1.3080	ppb	3.0883	236.1	-11.4604
V 292.401	0.1377	ppb	0.0200	14.5	12.3434
Zn 206.200	0.9184	ppb	0.1600	17.4	4.4603

Cont Calib Verif (CCV) **6/18/2014, 8:32:09 AM** **Rack 4, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	483.141	481.193	481.340
Al 308.215	4755.00	4732.94	4711.40
As 188.980	468.946	461.575	455.916
B 249.678	472.375	472.191	471.390
Ba 389.178	4853.90	4834.39	4830.05
Be 313.042	484.044	480.380	480.039
Ca 370.602	4904	4883	4886
Cd 226.502	483.780	482.314	480.560
Co 228.615	486.116	485.133	484.529
Cr 267.716	4823.89	4806.75	4804.91
Cu 324.754	4913.93	4872.65	4894.49
Fe 271.441	4795.83	4798.28	4791.19
K 766.491	9688.73	9639.01	9625.83
Mg 279.078	4767.64	4741.52	4737.60
Mn 257.610	4904.09	4876.73	4865.09
Mo 202.032	486.591	484.607	485.339
Na 330.237	7293.89	7158.06	7091.42
Ni 231.604	2427.23	2396.99	2392.51
Pb 220.353	488.661	487.086	488.248
Sb 206.834	944.731	940.281	936.744
Se 196.026	4803.68	4768.12	4764.03
Sn 189.925	4827.09	4782.10	4808.82
Sr 216.596	2360.89	2348.22	2344.51
Ti 334.941	478.618	476.234	476.228
Tl 190.794	4879.93	4858.70	4851.73
V 292.401	4828.78	4809.16	4806.52
Zn 206.200	2407.72	2395.58	2401.36

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	481.891	ppb	1.0846	0.2	28640.4	96.37826
Al 308.215	4733.11	ppb	21.8035	0.5	33148.4	94.66225
As 188.980	462.146	ppb	6.5337	1.4	293.684	92.42916
B 249.678	471.985	ppb	0.5241	0.1	8062.20	94.39708
Ba 389.178	4839.45	ppb	12.7022	0.3	132175	96.78896
Be 313.042	481.488	ppb	2.2203	0.5	1503886	96.29756
Ca 370.602	4891	ppb	11.28	0.2	24413	97.82209
Cd 226.502	482.218	ppb	1.6123	0.3	20200.0	96.44360
Co 228.615	485.259	ppb	0.8011	0.2	5060.32	97.05190
Cr 267.716	4811.85	ppb	10.4660	0.2	169500	96.23699
Cu 324.754	4893.69	ppb	20.6530	0.4	271220	97.87383
Fe 271.441	4795.10	ppb	3.6037	0.1	6225.16	95.90199

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9651.19	ppb	33.1713	0.3	1320435	96.51189
Mg 279.078	4748.92	ppb	16.3323	0.3	13364.2	94.97839
Mn 257.610	4881.97	ppb	20.0229	0.4	902846	97.63941
Mo 202.032	485.512	ppb	1.0035	0.2	3709.07	97.10243
Na 330.237	7181.12	ppb	103.186	1.4	566.161	95.74830
Ni 231.604	2405.58	ppb	18.8835	0.8	9275.29	96.22308
Pb 220.353	487.999	ppb	0.8166	0.2	706.436	97.59973
Sb 206.834	940.585	ppb	4.0022	0.4	1071.57	94.05853
Se 196.026	4778.61	ppb	21.8100	0.5	2193.30	95.57222
Sn 189.925	4806.00	ppb	22.6255	0.5	3804.08	96.12006
Sr 216.596	2351.21	ppb	8.5876	0.4	25600.2	94.04828
Ti 334.941	477.027	ppb	1.3783	0.3	215258	95.40536
Tl 190.794	4863.45	ppb	14.6913	0.3	3563.42	97.26904
V 292.401	4814.82	ppb	12.1615	0.3	200013	96.29639
Zn 206.200	2401.55	ppb	6.0764	0.3	7759.69	96.06215

Cont Calib Blank (CCB) **6/18/2014, 8:36:50 AM** **Rack 4, Tube 14**

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

Label	Replicates	Concentration	
Ag 328.068	0.2577	-0.2767u	0.3303
Al 308.215	-5.9100u	-4.9912u	-7.3724u
As 188.980	4.0230	2.5189	3.0820
B 249.678	1.6882	1.6734	1.0587
Ba 389.178	0.6002	0.6340	1.0850
Be 313.042	0.2135	0.2026	0.2031
Ca 370.602	0.1476	3.313	3.134
Cd 226.502	0.1107	0.1424	-0.0309u
Co 228.615	0.4432	-0.3064u	0.0406
Cr 267.716	0.3180	0.5453	0.3549
Cu 324.754	1.0044	0.8684	0.5219
Fe 271.441	-2.9814u	2.6125	8.5655
K 766.491	0.0201	-0.0980u	-0.2208u
Mg 279.078	1.7677	-0.5286u	1.9520
Mn 257.610	0.5345	0.4538	0.3451
Mo 202.032	0.4140	0.6976	0.6472
Na 330.237	13.5676	178.063	-63.4859u
Ni 231.604	2.3458	1.3524	1.7017
Pb 220.353	-4.4459u	-1.8964u	2.8573
Sb 206.834	-2.2255u	-2.3710u	-2.6824u
Se 196.026	4.1124	-7.2585u	1.7929
Sn 189.925	3.0011	1.3563	0.2690
Sr 216.596	0.3781	0.2394	0.0368
Ti 334.941	0.1535	0.1111	0.0875
Tl 190.794	2.8107	0.3477	-2.7734u
V 292.401	0.6777	0.4475	0.4493
Zn 206.200	-0.4797u	-0.1350u	0.3932

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1038	ppb	0.3315	319.4	-25.1221	0.10377
Al 308.215	-6.0912	ppb	1.2009	19.7	353.556	-6.09122
As 188.980	3.2079	ppb	0.7599	23.7	-2.9290	3.20794

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	1.4734	ppb	0.3592	24.4	110.268	1.47343
Ba 389.178	0.7731	ppb	0.2706	35.0	-17.2744	0.77307
Be 313.042	0.2064	ppb	0.0062	3.0	-2900.62	0.20639
Ca 370.602	2.198	ppb	1.778	80.9	-6.811	2.19834
Cd 226.502	0.0741	ppb	0.0923	124.6	29.5404	0.07406
Co 228.615	0.0591	ppb	0.3751	634.2	-16.7716	0.05914
Cr 267.716	0.4061	ppb	0.1220	30.0	14.7133	0.40607
Cu 324.754	0.7983	ppb	0.2488	31.2	259.764	0.79825
Fe 271.441	2.7322	ppb	5.7744	211.3	48.8471	2.73220
K 766.491	-0.0996	ppb	0.1205	121.0	2162.78	-0.09957
Mg 279.078	1.0637	ppb	1.3820	129.9	42.2272	1.06371
Mn 257.610	0.4445	ppb	0.0951	21.4	97.8727	0.44446
Mo 202.032	0.5863	ppb	0.1513	25.8	10.8177	0.58628
Na 330.237	42.7148	ppb	123.384	288.9	104.402	42.71476
Ni 231.604	1.8000	ppb	0.5039	28.0	11.6004	1.79997
Pb 220.353	-1.1616	ppb	3.7066	319.1	0.3373	-1.16164
Sb 206.834	-2.4263	ppb	0.2334	9.6	5.7862	-2.42630
Se 196.026	-0.4510	ppb	6.0084	1332.1	7.4923	-0.45103
Sn 189.925	1.5422	ppb	1.3755	89.2	-8.7264	1.54216
Sr 216.596	0.2181	ppb	0.1716	78.7	9.2427	0.21810
Ti 334.941	0.1174	ppb	0.0334	28.5	-31.6581	0.11735
Tl 190.794	0.1284	ppb	2.7985	2180.4	-10.4030	0.12835
V 292.401	0.5248	ppb	0.1324	25.2	30.6741	0.52483
Zn 206.200	-0.0739	ppb	0.4397	595.3	1.2456	-0.07385

680-102226-A-15-A (Samp) **6/18/2014, 8:41:31 AM** **Rack 4, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.0929	0.0059	0.0297
Al 308.215	7.8922	7.9285	7.2188
As 188.980	-0.4976u	-4.1785u	-0.5232u
B 249.678	8.1362	8.5484	7.8535
Ba 389.178	9.1826	9.3457	9.1382
Be 313.042	0.1735	0.1643	0.1615
Ca 370.602	25519	25458	25413
Cd 226.502	-0.1150u	-0.1085u	0.0978
Co 228.615	-0.1422u	0.1241	0.4496
Cr 267.716	0.1810	0.0430	0.3504
Cu 324.754	1.1370	1.3866	1.0828
Fe 271.441	201.508	208.332	204.762
K 766.491	482.046	480.774	481.613
Mg 279.078	5480.04	5478.76	5461.00
Mn 257.610	23.8856	23.8092	23.7965
Mo 202.032	8.0995	7.6901	7.5534
Na 330.237	4382.98	4452.48	4437.69
Ni 231.604	1.1164	1.2715	1.9562
Pb 220.353	2.7155	0.2542	-0.9320u
Sb 206.834	-5.0870u	-5.6625u	-0.5355u
Se 196.026	-6.5506u	5.9894	-5.9960u
Sn 189.925	2.5185	2.8233	-2.0267u
Sr 216.596	135.849	135.792	135.786

Label	Replicates Concentration		
Ti 334.941	0.7591	0.8065	0.8207
Tl 190.794	-5.0339u	-0.6787u	-0.9506u
V 292.401	0.8193	0.3816	0.5581
Zn 206.200	0.7514	1.1706	0.3391

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0428	ppb	0.0450	105.0	-28.7720
Al 308.215	7.6798	ppb	0.3997	5.2	448.449
As 188.980	-1.7331	ppb	2.1178	122.2	-6.1209
B 249.678	8.1793	ppb	0.3494	4.3	223.232
Ba 389.178	9.2222	ppb	0.1093	1.2	231.690
Be 313.042	0.1664	ppb	0.0062	3.8	-3014.17
Ca 370.602	25463	ppb	53.58	0.2	126916
Cd 226.502	-0.0419	ppb	0.1210	289.0	25.4700
Co 228.615	0.1438	ppb	0.2964	206.0	-16.0463
Cr 267.716	0.1915	ppb	0.1540	80.4	7.1995
Cu 324.754	1.2021	ppb	0.1620	13.5	254.297
Fe 271.441	204.867	ppb	3.4130	1.7	306.475
K 766.491	481.478	ppb	0.6468	0.1	67941.6
Mg 279.078	5473.27	ppb	10.6417	0.2	15410.4
Mn 257.610	23.8304	ppb	0.0482	0.2	4464.58
Mo 202.032	7.7810	ppb	0.2842	3.7	65.7162
Na 330.237	4424.38	ppb	36.6130	0.8	399.422
Ni 231.604	1.4480	ppb	0.4469	30.9	10.2538
Pb 220.353	0.6792	ppb	1.8605	273.9	2.9740
Sb 206.834	-3.7616	ppb	2.8087	74.7	4.1566
Se 196.026	-2.1857	ppb	7.0853	324.2	6.8819
Sn 189.925	1.1050	ppb	2.7164	245.8	-9.0720
Sr 216.596	135.809	ppb	0.0351	0.0	1500.42
Ti 334.941	0.7954	ppb	0.0323	4.1	288.759
Tl 190.794	-2.2211	ppb	2.4397	109.8	-12.1367
V 292.401	0.5863	ppb	0.2202	37.6	31.1788
Zn 206.200	0.7537	ppb	0.4157	55.2	3.9330

680-102226-A-16-A (Samp) **6/18/2014, 8:46:12 AM** **Rack 4, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	0.4152	0.3943	-0.1911u
Al 308.215	0.1953	-0.6373u	0.1539
As 188.980	3.3406	-1.4079u	-3.5143u
B 249.678	7.8270	8.1058	8.1913
Ba 389.178	8.2647	8.4367	9.0660
Be 313.042	0.1478	0.1534	0.1476
Ca 370.602	25573	25587	25573
Cd 226.502	0.0063	-0.0122u	0.0824
Co 228.615	0.2269	0.4268	-0.1859u
Cr 267.716	0.0533	0.1721	0.2122
Cu 324.754	0.8060	0.4447u	0.5464
Fe 271.441	-5.5753u	-14.4948u	-1.1032u
K 766.491	477.140	476.860	477.829
Mg 279.078	5518.73	5523.96	5529.91

Label	Replicates Concentration		
Mn 257.610	1.8958	1.8919	1.8776
Mo 202.032	8.3580	8.8602	9.6292
Na 330.237	4349.83	4633.49	4503.53
Ni 231.604	-0.4916u	1.3911	2.2809
Pb 220.353	-0.8209u	-2.9419u	0.4262
Sb 206.834	-2.3493u	-2.0590u	-9.6878u
Se 196.026	-6.6084u	-2.6520u	-1.4267u
Sn 189.925	-0.0426u	0.2422	1.2045
Sr 216.596	138.240	137.426	136.730
Ti 334.941	0.0967	0.0766	0.0895
Tl 190.794	-1.5889u	-4.4857u	-1.5529u
V 292.401	0.1936	0.1301	0.1196
Zn 206.200	1.2313	0.6118	1.1275

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2061	ppb	0.3442	167.0	-19.1312
Al 308.215	-0.0961	ppb	0.4692	488.4	395.235
As 188.980	-0.5272	ppb	3.5113	666.1	-5.3395
B 249.678	8.0414	ppb	0.1905	2.4	221.095
Ba 389.178	8.5891	ppb	0.4218	4.9	214.095
Be 313.042	0.1496	ppb	0.0033	2.2	-3067.08
Ca 370.602	25578	ppb	8.398	0.0	127491
Cd 226.502	0.0255	ppb	0.0502	196.6	27.5400
Co 228.615	0.1559	ppb	0.3125	200.4	-15.9759
Cr 267.716	0.1459	ppb	0.0826	56.6	5.5974
Cu 324.754	0.5990	ppb	0.1863	31.1	220.806
Fe 271.441	-7.0578	ppb	6.8178	96.6	36.3852
K 766.491	477.276	ppb	0.4985	0.1	67367.7
Mg 279.078	5524.20	ppb	5.5942	0.1	15554.0
Mn 257.610	1.8884	ppb	0.0096	0.5	406.828
Mo 202.032	8.9491	ppb	0.6403	7.2	74.6565
Na 330.237	4495.62	ppb	141.994	3.2	404.336
Ni 231.604	1.0601	ppb	1.4156	133.5	8.7489
Pb 220.353	-1.1122	ppb	1.7028	153.1	0.3983
Sb 206.834	-4.6987	ppb	4.3231	92.0	3.0995
Se 196.026	-3.5624	ppb	2.7081	76.0	6.2440
Sn 189.925	0.4680	ppb	0.6535	139.6	-9.5775
Sr 216.596	137.465	ppb	0.7554	0.5	1518.36
Ti 334.941	0.0876	ppb	0.0102	11.6	-30.6628
Tl 190.794	-2.5425	ppb	1.6830	66.2	-12.3663
V 292.401	0.1477	ppb	0.0400	27.1	12.4470
Zn 206.200	0.9902	ppb	0.3318	33.5	4.6920

680-102226-A-17-A (Samp) **6/18/2014, 8:50:53 AM** **Rack 4, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.5635	0.1633	0.3804
Al 308.215	-3.3258u	-0.0542	-1.1162u
As 188.980	-2.1931u	2.3988	-3.1532u
B 249.678	12.0521	11.8138	12.1163
Ba 389.178	9.8768	9.9079	9.8844

Label	Replicates Concentration		
Be 313.042	0.1492	0.1444	0.1492
Ca 370.602	30787	30791	30745
Cd 226.502	-0.0206u	-0.1365u	0.3081
Co 228.615	0.1018	-0.1820u	-0.3847u
Cr 267.716	0.2277	0.0601	0.3570
Cu 324.754	2.1102	2.3762	2.2611
Fe 271.441	-8.1565u	-14.0731u	-2.1295u
K 766.491	842.572	840.572	840.574
Mg 279.078	6553.87	6548.03	6531.54
Mn 257.610	5.6056	5.6298	5.5494
Mo 202.032	11.4191	11.4867	10.5005
Na 330.237	6307.67	6299.69	6590.18
Ni 231.604	0.5799	2.6217	1.5860
Pb 220.353	4.6785	3.3979	4.7537
Sb 206.834	-0.8014u	-0.3420u	-2.5064u
Se 196.026	4.0511	-1.0398u	-7.6303u
Sn 189.925	-2.0031u	0.2394	-0.6029u
Sr 216.596	164.219	165.719	164.256
Ti 334.941	0.0802	0.0855	0.0767
Tl 190.794	-7.3668u	-3.2789u	-4.4957u
V 292.401	5.2576	5.3562	5.2905
Zn 206.200	0.4443	1.5745	0.8207

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3691	ppb	0.2003	54.3	-9.4367
Al 308.215	-1.4987	ppb	1.6690	111.4	386.105
As 188.980	-0.9825	ppb	2.9674	302.0	-5.6330
B 249.678	11.9941	ppb	0.1594	1.3	287.819
Ba 389.178	9.8897	ppb	0.0162	0.2	252.932
Be 313.042	0.1476	ppb	0.0028	1.9	-3069.35
Ca 370.602	30775	ppb	25.52	0.1	153397
Cd 226.502	0.0503	ppb	0.2306	458.1	28.5688
Co 228.615	-0.1550	ppb	0.2444	157.7	-19.2890
Cr 267.716	0.2150	ppb	0.1489	69.3	7.9936
Cu 324.754	2.2492	ppb	0.1334	5.9	306.470
Fe 271.441	-8.1197	ppb	5.9719	73.5	35.0423
K 766.491	841.239	ppb	1.1541	0.1	117081
Mg 279.078	6544.48	ppb	11.5793	0.2	18419.5
Mn 257.610	5.5949	ppb	0.0412	0.7	1099.99
Mo 202.032	11.1354	ppb	0.5509	4.9	91.3429
Na 330.237	6399.18	ppb	165.459	2.6	532.556
Ni 231.604	1.5959	ppb	1.0210	64.0	10.8134
Pb 220.353	4.2767	ppb	0.7620	17.8	8.1524
Sb 206.834	-1.2166	ppb	1.1404	93.7	6.8836
Se 196.026	-1.5397	ppb	5.8567	380.4	7.2046
Sn 189.925	-0.7888	ppb	1.1328	143.6	-10.5744
Sr 216.596	164.732	ppb	0.8556	0.5	1818.16
Ti 334.941	0.0808	ppb	0.0044	5.5	-31.2001
Tl 190.794	-5.0471	ppb	2.0990	41.6	-14.1999
V 292.401	5.3014	ppb	0.0502	0.9	226.412
Zn 206.200	0.9465	ppb	0.5755	60.8	4.5502

680-102226-A-18-A (Samp) **6/18/2014, 8:55:34 AM** **Rack 4, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	0.5237	0.0502	0.0064
Al 308.215	-0.2432u	-0.0279	-0.1338u
As 188.980	0.7850	2.5341	-0.4162u
B 249.678	12.2785	12.4925	12.1683
Ba 389.178	9.4227	9.4732	9.0734
Be 313.042	0.1383	0.1470	0.1425
Ca 370.602	33766	33722	33742
Cd 226.502	0.1289	0.2288	0.0400
Co 228.615	0.4795	0.1394	-0.4448u
Cr 267.716	0.0560	-0.0374u	-0.1618u
Cu 324.754	50.3091	49.7546	50.2692
Fe 271.441	8.1756	11.5556	7.6959
K 766.491	1021.29	1021.38	1020.65
Mg 279.078	6065.14	6068.68	6068.34
Mn 257.610	3.3882	3.3993	3.3475
Mo 202.032	10.7667	11.1327	10.4636
Na 330.237	9703.08	9895.51	9739.53
Ni 231.604	1.1430	0.7934	1.4506
Pb 220.353	-0.1128u	1.3072	0.1414
Sb 206.834	-2.2283u	-4.4757u	-6.4409u
Se 196.026	3.7961	-1.1049u	2.6072
Sn 189.925	0.5121	1.4228	0.4195
Sr 216.596	74.0309	73.9456	74.4796
Ti 334.941	0.0824	0.0838	0.0951
Tl 190.794	-5.6473u	-1.9364u	-7.3378u
V 292.401	0.7391	0.5343	0.3012
Zn 206.200	6.2146	5.4279	5.2529

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1934	ppb	0.2869	148.3	-19.8984
Al 308.215	-0.1350	ppb	0.1076	79.7	395.126
As 188.980	0.9676	ppb	1.4836	153.3	-4.3734
B 249.678	12.3131	ppb	0.1649	1.3	293.159
Ba 389.178	9.3231	ppb	0.2177	2.3	235.948
Be 313.042	0.1426	ppb	0.0044	3.1	-3085.71
Ca 370.602	33743	ppb	22.03	0.1	168195
Cd 226.502	0.1326	ppb	0.0944	71.2	32.0584
Co 228.615	0.0580	ppb	0.4675	805.6	-17.0472
Cr 267.716	-0.0477	ppb	0.1092	228.7	-1.1675
Cu 324.754	50.1110	ppb	0.3093	0.6	2954.60
Fe 271.441	9.1424	ppb	2.1036	23.0	56.9928
K 766.491	1021.11	ppb	0.3949	0.0	141649
Mg 279.078	6067.39	ppb	1.9515	0.0	17079.5
Mn 257.610	3.3783	ppb	0.0273	0.8	686.558
Mo 202.032	10.7877	ppb	0.3351	3.1	88.6885
Na 330.237	9779.37	ppb	102.217	1.0	760.210
Ni 231.604	1.1290	ppb	0.3288	29.1	9.0152
Pb 220.353	0.4453	ppb	0.7572	170.1	2.6377
Sb 206.834	-4.3816	ppb	2.1079	48.1	3.4071
Se 196.026	1.7661	ppb	2.5565	144.8	8.7363

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	0.7848	ppb	0.5545	70.7	-9.3246
Sr 216.596	74.1520	ppb	0.2869	0.4	828.624
Ti 334.941	0.0871	ppb	0.0069	8.0	-30.0119
Tl 190.794	-4.9739	ppb	2.7629	55.5	-14.1521
V 292.401	0.5249	ppb	0.2191	41.7	27.5613
Zn 206.200	5.6318	ppb	0.5122	9.1	19.7226

680-102226-A-19-A (Samp) **6/18/2014, 9:00:15 AM** **Rack 4, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	0.4715	-0.0558u	0.5050
Al 308.215	-1.7410u	-2.5414u	-1.5548u
As 188.980	3.6210	3.3889	-2.6381u
B 249.678	12.5396	12.5554	12.4434
Ba 389.178	9.8312	10.7774	10.1174
Be 313.042	0.1389	0.1515	0.1423
Ca 370.602	32119	32146	32112
Cd 226.502	0.1353	0.0966	0.0530
Co 228.615	0.2139	-0.1605u	0.0045u
Cr 267.716	-0.0446u	0.0590	0.2497
Cu 324.754	11.8353	11.6941	11.7410
Fe 271.441	-17.6412u	-26.4471u	-17.1278u
K 766.491	879.992	877.603	878.748
Mg 279.078	6868.58	6864.18	6861.92
Mn 257.610	3.1918	3.1828	3.1997
Mo 202.032	11.6252	11.2525	12.4150
Na 330.237	6695.97	6494.12	6803.48
Ni 231.604	2.0207	1.4013	1.7852
Pb 220.353	0.9201	-2.2431u	0.8467
Sb 206.834	-8.4478u	-5.7644u	-6.2832u
Se 196.026	3.0190	1.9372	-4.0747u
Sn 189.925	0.9659	-2.5170u	6.1225
Sr 216.596	172.131	171.651	171.818
Ti 334.941	0.0952	0.0752	0.1056
Tl 190.794	-2.8884u	-6.4493u	-5.2088u
V 292.401	5.7695	5.3764	5.7299
Zn 206.200	4.1760	4.0417	4.0107

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3069	ppb	0.3146	102.5	-13.1463
Al 308.215	-1.9457	ppb	0.5242	26.9	383.103
As 188.980	1.4573	ppb	3.5486	243.5	-4.0564
B 249.678	12.5128	ppb	0.0606	0.5	296.556
Ba 389.178	10.2420	ppb	0.4853	4.7	263.568
Be 313.042	0.1442	ppb	0.0065	4.5	-3079.20
Ca 370.602	32126	ppb	17.98	0.1	160133
Cd 226.502	0.0950	ppb	0.0412	43.3	30.4015
Co 228.615	0.0193	ppb	0.1876	971.1	-17.4809
Cr 267.716	0.0880	ppb	0.1493	169.6	3.5209
Cu 324.754	11.7568	ppb	0.0719	0.6	831.677
Fe 271.441	-20.4054	ppb	5.2386	25.7	19.4408

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	878.781	ppb	1.1949	0.1	122209
Mg 279.078	6864.89	ppb	3.3855	0.0	19319.4
Mn 257.610	3.1914	ppb	0.0084	0.3	657.923
Mo 202.032	11.7642	ppb	0.5936	5.0	96.1438
Na 330.237	6664.52	ppb	157.060	2.4	550.423
Ni 231.604	1.7357	ppb	0.3127	18.0	11.3518
Pb 220.353	-0.1587	ppb	1.8055	1137.4	1.7676
Sb 206.834	-6.8318	ppb	1.4233	20.8	0.6893
Se 196.026	0.2938	ppb	3.8217	1300.7	8.0513
Sn 189.925	1.5238	ppb	4.3467	285.3	-8.7390
Sr 216.596	171.866	ppb	0.2439	0.1	1896.60
Ti 334.941	0.0920	ppb	0.0155	16.8	-25.3171
Tl 190.794	-4.8488	ppb	1.8075	37.3	-14.0538
V 292.401	5.6252	ppb	0.2164	3.8	239.708
Zn 206.200	4.0762	ppb	0.0879	2.2	14.6839

680-102226-A-20-A (Samp) **6/18/2014, 9:04:56 AM** **Rack 4, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	0.3573	0.1333	0.1128
Al 308.215	-1.6597u	-0.2063u	-2.6880u
As 188.980	1.3827	1.1616	2.1176
B 249.678	7.0795	6.9324	7.3425
Ba 389.178	7.0040	7.5784	8.0163
Be 313.042	0.1387	0.1667	0.1681
Ca 370.602	23263	23213	23210
Cd 226.502	-0.1035u	0.0479	0.1313
Co 228.615	-0.1854u	0.2800	0.1731
Cr 267.716	-0.0696u	0.1028	-0.0994u
Cu 324.754	1.9735	1.6960	1.7930
Fe 271.441	-9.1935u	7.5710	-6.8086u
K 766.491	438.949	439.300	439.323
Mg 279.078	5039.20	5037.28	5026.14
Mn 257.610	1.9722	2.0438	2.0316
Mo 202.032	7.7316	7.9638	8.0951
Na 330.237	4024.81	3972.20	3997.31
Ni 231.604	1.9498	0.5491	1.2423
Pb 220.353	3.1998	0.8940	0.0592
Sb 206.834	-1.4938u	-6.0077u	-1.9155u
Se 196.026	-2.3330u	-1.6951u	-2.9796u
Sn 189.925	-1.4682u	0.0569	-3.5334u
Sr 216.596	126.028	124.784	124.184
Ti 334.941	0.0524	0.0765	0.0532
Tl 190.794	-3.3329u	-4.2907u	-0.1261u
V 292.401	0.0666	0.1683	0.2131
Zn 206.200	3.3100	3.1048	2.7934

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2011	ppb	0.1356	67.4	-19.4213
Al 308.215	-1.5180	ppb	1.2469	82.1	385.419
As 188.980	1.5540	ppb	0.5005	32.2	-3.9953

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	7.1181	ppb	0.2077	2.9	205.512
Ba 389.178	7.5329	ppb	0.5077	6.7	183.660
Be 313.042	0.1578	ppb	0.0165	10.5	-3042.40
Ca 370.602	23229	ppb	29.86	0.1	115780
Cd 226.502	0.0252	ppb	0.1190	472.0	27.5342
Co 228.615	0.0892	ppb	0.2438	273.1	-16.6480
Cr 267.716	-0.0221	ppb	0.1091	494.3	-0.3258
Cu 324.754	1.8208	ppb	0.1409	7.7	291.052
Fe 271.441	-2.8104	ppb	9.0693	322.7	41.7656
K 766.491	439.191	ppb	0.2094	0.0	62165.5
Mg 279.078	5034.21	ppb	7.0513	0.1	14177.9
Mn 257.610	2.0159	ppb	0.0383	1.9	426.676
Mo 202.032	7.9301	ppb	0.1840	2.3	66.8776
Na 330.237	3998.11	ppb	26.3124	0.7	370.817
Ni 231.604	1.2471	ppb	0.7003	56.2	9.4694
Pb 220.353	1.3843	ppb	1.6267	117.5	3.9928
Sb 206.834	-3.1390	ppb	2.4933	79.4	4.8371
Se 196.026	-2.3359	ppb	0.6423	27.5	6.7888
Sn 189.925	-1.6482	ppb	1.8019	109.3	-11.2571
Sr 216.596	124.999	ppb	0.9404	0.8	1381.26
Ti 334.941	0.0607	ppb	0.0137	22.6	-44.0939
Tl 190.794	-2.5832	ppb	2.1811	84.4	-12.3963
V 292.401	0.1494	ppb	0.0751	50.3	12.8434
Zn 206.200	3.0694	ppb	0.2601	8.5	11.4253

680-102226-A-21-A (Samp) **6/18/2014, 9:09:38 AM** **Rack 4, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	0.5135	0.2625	0.0019
Al 308.215	1.8790	0.6898	0.3594
As 188.980	-2.1863u	0.3856	-4.3377u
B 249.678	12.3823	11.6574	11.7563
Ba 389.178	10.9788	10.5781	10.4539
Be 313.042	0.1439	0.1537	0.1426
Ca 370.602	31595	31635	31657
Cd 226.502	0.1573	-0.1492u	-0.0117u
Co 228.615	0.0204u	-0.1119u	-0.0827u
Cr 267.716	-0.0527u	0.0731	0.1470
Cu 324.754	33.4184	33.2671	32.8428
Fe 271.441	-17.7626u	-23.7353u	-27.9331u
K 766.491	859.416	857.347	859.716
Mg 279.078	6757.28	6745.98	6760.08
Mn 257.610	1.3809	1.3906	1.4282
Mo 202.032	11.4195	11.7026	11.7600
Na 330.237	6611.51	6665.32	6555.87
Ni 231.604	0.8408	2.9263	2.1027
Pb 220.353	-1.4411u	3.6801	1.9337
Sb 206.834	-3.0646u	-2.3505u	-3.4828u
Se 196.026	3.2273	-1.0454u	-4.6999u
Sn 189.925	-1.3042u	1.8301	4.8583
Sr 216.596	170.070	170.506	171.084

Label	Replicates Concentration		
Ti 334.941	0.0573	0.1056	0.0579
Tl 190.794	-3.9357u	1.8317	2.0254
V 292.401	5.7244	5.5886	5.7296
Zn 206.200	4.5751	5.2811	4.6996

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2593	ppb	0.2558	98.7	-15.9776
Al 308.215	0.9761	ppb	0.7992	81.9	403.115
As 188.980	-2.0461	ppb	2.3647	115.6	-6.3199
B 249.678	11.9320	ppb	0.3931	3.3	286.777
Ba 389.178	10.6703	ppb	0.2743	2.6	274.898
Be 313.042	0.1467	ppb	0.0061	4.2	-3071.61
Ca 370.602	31629	ppb	31.05	0.1	157656
Cd 226.502	-0.0012	ppb	0.1535	13066.5	26.3650
Co 228.615	-0.0581	ppb	0.0695	119.7	-18.2865
Cr 267.716	0.0558	ppb	0.1010	181.0	2.3830
Cu 324.754	33.1761	ppb	0.2984	0.9	2018.74
Fe 271.441	-23.1437	ppb	5.1110	22.1	15.9117
K 766.491	858.826	ppb	1.2896	0.2	119484
Mg 279.078	6754.45	ppb	7.4618	0.1	19009.2
Mn 257.610	1.3999	ppb	0.0250	1.8	325.777
Mo 202.032	11.6274	ppb	0.1823	1.6	95.0995
Na 330.237	6610.90	ppb	54.7245	0.8	546.811
Ni 231.604	1.9566	ppb	1.0504	53.7	12.2028
Pb 220.353	1.3909	ppb	2.6034	187.2	3.9983
Sb 206.834	-2.9659	ppb	0.5726	19.3	4.9480
Se 196.026	-0.8393	ppb	3.9676	472.7	7.5295
Sn 189.925	1.7947	ppb	3.0814	171.7	-8.5240
Sr 216.596	170.553	ppb	0.5083	0.3	1882.07
Ti 334.941	0.0736	ppb	0.0277	37.7	-33.8967
Tl 190.794	-0.0262	ppb	3.3871	12925.5	-10.5158
V 292.401	5.6809	ppb	0.0799	1.4	242.086
Zn 206.200	4.8519	ppb	0.3768	7.8	17.1957

680-102226-A-22-A (Samp) **6/18/2014, 9:14:19 AM** **Rack 4, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	0.0404	0.4609	0.5149
Al 308.215	3.2487	2.8334	2.6825
As 188.980	1.4333	-3.3716u	1.9834
B 249.678	9.8090	9.7206	9.7639
Ba 389.178	11.1264	12.5535	12.9560
Be 313.042	0.1702	0.1694	0.1577
Ca 370.602	30877	30910	30895
Cd 226.502	-0.0343u	0.0868	0.0743
Co 228.615	2.1588	1.9096	2.3732
Cr 267.716	0.2558	-0.4890u	-0.0118u
Cu 324.754	2.6305	2.5466	2.4755
Fe 271.441	260.860	265.978	254.284
K 766.491	635.981	635.763	634.684
Mg 279.078	6826.77	6839.07	6835.64

Label	Replicates Concentration		
Mn 257.610	130.269	130.529	130.432
Mo 202.032	5.6077	5.6323	5.0919
Na 330.237	5491.38	5608.72	5625.10
Ni 231.604	4.6411	3.4969	4.3557
Pb 220.353	2.7300	2.0872	0.1856
Sb 206.834	-5.9214u	-1.8510u	2.1051
Se 196.026	-3.4072u	-2.0584u	6.3818
Sn 189.925	3.4629	-0.1494u	3.9024
Sr 216.596	184.544	183.858	184.492
Ti 334.941	0.4433	0.5186	0.4476
Tl 190.794	8.9310	7.1568	12.5649
V 292.401	7.4084	7.2433	7.1446
Zn 206.200	1.8067	0.4685	0.5515

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3388	ppb	0.2598	76.7	-10.7752
Al 308.215	2.9215	ppb	0.2932	10.0	416.082
As 188.980	0.0150	ppb	2.9458	19635.4	-4.9928
B 249.678	9.7645	ppb	0.0442	0.5	249.970
Ba 389.178	12.2120	ppb	0.9614	7.9	317.891
Be 313.042	0.1658	ppb	0.0070	4.2	-3010.51
Ca 370.602	30894	ppb	16.53	0.1	153987
Cd 226.502	0.0423	ppb	0.0666	157.5	29.2085
Co 228.615	2.1472	ppb	0.2320	10.8	4.9874
Cr 267.716	-0.0816	ppb	0.3773	462.2	-2.4905
Cu 324.754	2.5509	ppb	0.0776	3.0	322.888
Fe 271.441	260.374	ppb	5.8621	2.3	377.435
K 766.491	635.476	ppb	0.6947	0.1	88976.3
Mg 279.078	6833.83	ppb	6.3477	0.1	19231.4
Mn 257.610	130.410	ppb	0.1315	0.1	24183.8
Mo 202.032	5.4440	ppb	0.3051	5.6	47.8661
Na 330.237	5575.07	ppb	72.9376	1.3	476.905
Ni 231.604	4.1645	ppb	0.5955	14.3	20.7253
Pb 220.353	1.6676	ppb	1.3231	79.3	4.3980
Sb 206.834	-1.8891	ppb	4.0134	212.5	6.2665
Se 196.026	0.3054	ppb	5.3053	1737.2	8.0779
Sn 189.925	2.4053	ppb	2.2233	92.4	-8.0398
Sr 216.596	184.298	ppb	0.3819	0.2	2032.42
Ti 334.941	0.4698	ppb	0.0423	9.0	145.316
Tl 190.794	9.5509	ppb	2.7568	28.9	-3.4711
V 292.401	7.2655	ppb	0.1333	1.8	310.179
Zn 206.200	0.9422	ppb	0.7498	79.6	4.5465

680-102226-A-23-A (Samp) **6/18/2014, 9:19:00 AM** **Rack 4, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	0.3080	0.7852	0.0349
Al 308.215	-2.7110u	0.1235	-2.5801u
As 188.980	3.8403	3.0755	-1.1309u
B 249.678	12.6443	12.4379	12.5784
Ba 389.178	10.5543	10.3803	10.5808

Label	Replicates Concentration		
Be 313.042	0.1490	0.1490	0.1596
Ca 370.602	32905	32888	32875
Cd 226.502	0.1028	-0.1399u	0.1054
Co 228.615	0.4960	0.1128	0.4398
Cr 267.716	0.0632	0.0106	0.1355
Cu 324.754	112.720	112.997	112.764
Fe 271.441	-19.0123u	-23.7046u	-21.1383u
K 766.491	891.753	893.238	892.783
Mg 279.078	6990.72	6986.44	6978.14
Mn 257.610	0.6245	0.6128	0.6458
Mo 202.032	12.2013	11.9902	11.8265
Na 330.237	7073.07	6879.73	6799.08
Ni 231.604	1.8528	1.8093	1.9080
Pb 220.353	3.6494	0.9885	2.1692
Sb 206.834	-4.6154u	-2.8937u	-4.4263u
Se 196.026	-3.9164u	-0.9811u	-2.6078u
Sn 189.925	-0.2590u	-0.5699u	-1.9796u
Sr 216.596	176.722	177.691	175.961
Ti 334.941	0.0776	0.0545	0.0483
Tl 190.794	-4.2083u	-2.8477u	-4.0961u
V 292.401	5.2083	5.5633	5.9993
Zn 206.200	2.3921	3.0444	3.0940

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3760	ppb	0.3797	101.0	-9.0489
Al 308.215	-1.7225	ppb	1.6001	92.9	384.658
As 188.980	1.9283	ppb	2.6768	138.8	-3.7520
B 249.678	12.5535	ppb	0.1054	0.8	297.281
Ba 389.178	10.5052	ppb	0.1089	1.0	271.139
Be 313.042	0.1525	ppb	0.0061	4.0	-3052.85
Ca 370.602	32889	ppb	15.16	0.0	163939
Cd 226.502	0.0228	ppb	0.1409	618.6	27.3758
Co 228.615	0.3495	ppb	0.2069	59.2	-14.0303
Cr 267.716	0.0698	ppb	0.0627	89.8	2.8805
Cu 324.754	112.827	ppb	0.1489	0.1	6429.66
Fe 271.441	-21.2851	ppb	2.3496	11.0	18.3431
K 766.491	892.591	ppb	0.7609	0.1	124096
Mg 279.078	6985.10	ppb	6.3954	0.1	19657.0
Mn 257.610	0.6277	ppb	0.0167	2.7	184.738
Mo 202.032	12.0060	ppb	0.1879	1.6	97.9894
Na 330.237	6917.29	ppb	140.805	2.0	567.454
Ni 231.604	1.8567	ppb	0.0495	2.7	11.8178
Pb 220.353	2.2691	ppb	1.3332	58.8	5.2617
Sb 206.834	-3.9784	ppb	0.9442	23.7	3.8247
Se 196.026	-2.5018	ppb	1.4705	58.8	6.7780
Sn 189.925	-0.9362	ppb	0.9169	97.9	-10.6911
Sr 216.596	176.791	ppb	0.8672	0.5	1950.69
Ti 334.941	0.0601	ppb	0.0154	25.7	-39.3892
Tl 190.794	-3.7174	ppb	0.7552	20.3	-13.2238
V 292.401	5.5903	ppb	0.3962	7.1	238.183
Zn 206.200	2.8435	ppb	0.3917	13.8	10.6924

680-102226-A-24-A (Samp) **6/18/2014, 9:23:41 AM** **Rack 4, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	0.3767	-0.0850u	0.2127
Al 308.215	-1.9909u	-3.2637u	-5.5555u
As 188.980	-3.0374u	-3.1805u	0.4889
B 249.678	9.1175	9.4956	9.0029
Ba 389.178	9.4795	9.6533	9.5974
Be 313.042	0.1512	0.1665	0.1681
Ca 370.602	29299	29308	29282
Cd 226.502	-0.0895u	0.1062	0.1308
Co 228.615	0.4394	0.3951	-0.3608u
Cr 267.716	0.1227	0.2723	0.3575
Cu 324.754	56.0567	56.9443	56.9583
Fe 271.441	-15.3261u	-14.6792u	-10.5291u
K 766.491	621.789	621.489	620.460
Mg 279.078	6445.04	6449.92	6447.68
Mn 257.610	1.3789	1.3982	1.3728
Mo 202.032	8.7653	9.0985	9.9456
Na 330.237	5468.20	5578.58	5258.59
Ni 231.604	2.4297	2.8544	1.5083
Pb 220.353	1.1162	2.3690	2.6567
Sb 206.834	-0.4704u	-6.2852u	-11.6334u
Se 196.026	-8.2747u	-4.5602u	-7.3349u
Sn 189.925	3.1637	4.8059	2.2702
Sr 216.596	175.452	175.456	176.333
Ti 334.941	0.0977	0.0508	0.0787
Tl 190.794	0.4644	-2.8758u	0.3680
V 292.401	5.3366	5.3988	5.4143
Zn 206.200	10.1670	8.0688	9.8253

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1681	ppb	0.2340	139.2	-21.3924
Al 308.215	-3.6034	ppb	1.8064	50.1	371.549
As 188.980	-1.9097	ppb	2.0785	108.8	-6.2325
B 249.678	9.2053	ppb	0.2578	2.8	240.713
Ba 389.178	9.5768	ppb	0.0888	0.9	244.049
Be 313.042	0.1619	ppb	0.0093	5.8	-3024.78
Ca 370.602	29296	ppb	13.51	0.0	146027
Cd 226.502	0.0492	ppb	0.1207	245.6	28.5121
Co 228.615	0.1579	ppb	0.4497	284.8	-15.9637
Cr 267.716	0.2509	ppb	0.1189	47.4	9.2469
Cu 324.754	56.6531	ppb	0.5166	0.9	3321.79
Fe 271.441	-13.5115	ppb	2.6030	19.3	28.1962
K 766.491	621.246	ppb	0.6972	0.1	87032.5
Mg 279.078	6447.55	ppb	2.4452	0.0	18147.3
Mn 257.610	1.3833	ppb	0.0133	1.0	320.397
Mo 202.032	9.2698	ppb	0.6085	6.6	77.1016
Na 330.237	5435.13	ppb	162.540	3.0	467.592
Ni 231.604	2.2641	ppb	0.6882	30.4	13.3885
Pb 220.353	2.0473	ppb	0.8191	40.0	4.9459
Sb 206.834	-6.1297	ppb	5.5831	91.1	1.5188
Se 196.026	-6.7233	ppb	1.9313	28.7	4.8240

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	3.4133	ppb	1.2861	37.7	-7.2399
Sr 216.596	175.747	ppb	0.5072	0.3	1938.14
Ti 334.941	0.0757	ppb	0.0236	31.2	-33.6532
Tl 190.794	-0.6811	ppb	1.9012	279.1	-10.9958
V 292.401	5.3832	ppb	0.0411	0.8	230.417
Zn 206.200	9.3537	ppb	1.1258	12.0	31.7723

Cont Calib Verif (CCV) **6/18/2014, 9:28:22 AM** **Rack 4, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	480.003	482.432	481.251
Al 308.215	4711.72	4744.18	4736.59
As 188.980	465.478	460.375	461.049
B 249.678	470.774	475.159	475.313
Ba 389.178	4833.47	4868.53	4864.05
Be 313.042	481.256	484.481	482.618
Ca 370.602	4879	4927	4918
Cd 226.502	482.591	484.240	487.036
Co 228.615	484.768	487.904	488.709
Cr 267.716	4800.86	4832.74	4838.29
Cu 324.754	4908.83	4870.42	4880.20
Fe 271.441	4780.28	4827.21	4817.00
K 766.491	9653.31	9700.48	9664.89
Mg 279.078	4742.15	4786.36	4789.28
Mn 257.610	4869.80	4913.32	4916.93
Mo 202.032	484.257	485.833	487.854
Na 330.237	7128.84	6981.93	7120.25
Ni 231.604	2405.19	2416.53	2425.12
Pb 220.353	482.461	486.803	491.546
Sb 206.834	940.744	946.505	945.713
Se 196.026	4783.12	4794.90	4811.15
Sn 189.925	4808.21	4846.02	4876.36
Sr 216.596	2347.53	2363.94	2369.67
Ti 334.941	477.195	480.168	478.980
Tl 190.794	4856.31	4878.75	4905.85
V 292.401	4812.83	4844.93	4838.42
Zn 206.200	2403.40	2419.78	2420.78

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	481.229	ppb	1.2150	0.3	28601.2	96.24575
Al 308.215	4730.83	ppb	16.9813	0.4	33134.3	94.61664
As 188.980	462.301	ppb	2.7719	0.6	293.784	92.46013
B 249.678	473.749	ppb	2.5776	0.5	8092.05	94.74976
Ba 389.178	4855.35	ppb	19.0775	0.4	132610	97.10701
Be 313.042	482.785	ppb	1.6191	0.3	1507953	96.55704
Ca 370.602	4908	ppb	25.70	0.5	24499	98.16406
Cd 226.502	484.622	ppb	2.2472	0.5	20300.6	96.92444
Co 228.615	487.127	ppb	2.0822	0.4	5079.91	97.42537
Cr 267.716	4823.96	ppb	20.1986	0.4	169927	96.47923
Cu 324.754	4886.48	ppb	19.9611	0.4	270820	97.72968
Fe 271.441	4808.16	ppb	24.6815	0.5	6242.31	96.16319

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9672.90	ppb	24.5831	0.3	1323400	96.72896
Mg 279.078	4772.59	ppb	26.4048	0.6	13430.6	95.45190
Mn 257.610	4900.01	ppb	26.2262	0.5	906183	98.00029
Mo 202.032	485.981	ppb	1.8030	0.4	3712.63	97.19623
Na 330.237	7077.01	ppb	82.4494	1.2	559.058	94.36010
Ni 231.604	2415.61	ppb	9.9957	0.4	9313.97	96.62456
Pb 220.353	486.937	ppb	4.5440	0.9	704.919	97.38739
Sb 206.834	944.321	ppb	3.1225	0.3	1075.84	94.43205
Se 196.026	4796.39	ppb	14.0719	0.3	2201.43	95.92778
Sn 189.925	4843.53	ppb	34.1430	0.7	3833.86	96.87060
Sr 216.596	2360.38	ppb	11.4900	0.5	25700.2	94.41522
Ti 334.941	478.781	ppb	1.4966	0.3	216050	95.75619
Tl 190.794	4880.30	ppb	24.8038	0.5	3575.82	97.60605
V 292.401	4832.06	ppb	16.9680	0.4	200729	96.64124
Zn 206.200	2414.65	ppb	9.7548	0.4	7802.03	96.58611

Cont Calib Blank (CCB) **6/18/2014, 9:33:03 AM** **Rack 4, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	-0.2290u	0.3729	0.1609
Al 308.215	-5.2663u	-3.8857u	-7.1087u
As 188.980	2.3443	3.3295	2.9100
B 249.678	1.8155	0.9362	1.3361
Ba 389.178	1.4167	0.8468	0.9939
Be 313.042	0.2239	0.2171	0.2162
Ca 370.602	-1.048u	2.226	6.063
Cd 226.502	0.0621	0.2686	0.1082
Co 228.615	0.2090	0.6336	0.3744
Cr 267.716	0.2202	0.3651	0.3040
Cu 324.754	1.0621	0.9848	0.6286
Fe 271.441	10.0396	-1.0441u	6.2071
K 766.491	0.1302	0.2073	-0.1464u
Mg 279.078	3.8677	4.7877	2.6692
Mn 257.610	0.5263	0.4421	0.3764
Mo 202.032	0.1300	1.2828	0.7287
Na 330.237	112.260	142.594	-66.8348u
Ni 231.604	1.5040	1.8008	0.8205
Pb 220.353	1.1857	2.1647	1.0645
Sb 206.834	-1.8746u	0.2662	-2.1007u
Se 196.026	-3.1142u	-2.9784u	-4.9057u
Sn 189.925	3.3269	3.0055	1.1456
Sr 216.596	0.0594	0.2851	0.3887
Ti 334.941	0.1536	0.1120	0.1058
Tl 190.794	1.3920	2.3800	-6.2094u
V 292.401	0.6267	0.2978	0.6283
Zn 206.200	0.2637	0.4899	-0.4592u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1016	ppb	0.3053	300.5	-25.2519	0.10159
Al 308.215	-5.4202	ppb	1.6170	29.8	358.172	-5.42020
As 188.980	2.8613	ppb	0.4944	17.3	-3.1529	2.86126

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	1.3626	ppb	0.4403	32.3	108.400	1.36259
Ba 389.178	1.0858	ppb	0.2958	27.2	-8.7184	1.08580
Be 313.042	0.2190	ppb	0.0042	1.9	-2861.06	0.21904
Ca 370.602	2.414	ppb	3.559	147.4	-5.772	2.41384
Cd 226.502	0.1463	ppb	0.1084	74.1	32.5664	0.14628
Co 228.615	0.4057	ppb	0.2140	52.8	-13.1475	0.40569
Cr 267.716	0.2965	ppb	0.0728	24.5	10.8506	0.29647
Cu 324.754	0.8918	ppb	0.2312	25.9	264.950	0.89184
Fe 271.441	5.0675	ppb	5.6290	111.1	51.8334	5.06752
K 766.491	0.0637	ppb	0.1860	292.0	2185.08	0.06370
Mg 279.078	3.7749	ppb	1.0623	28.1	49.8361	3.77487
Mn 257.610	0.4482	ppb	0.0751	16.8	98.5987	0.44824
Mo 202.032	0.7139	ppb	0.5766	80.8	11.7913	0.71385
Na 330.237	62.6731	ppb	113.178	180.6	105.745	62.67310
Ni 231.604	1.3751	ppb	0.5027	36.6	9.9630	1.37508
Pb 220.353	1.4716	ppb	0.6033	41.0	4.1270	1.47164
Sb 206.834	-1.2364	ppb	1.3061	105.6	7.0913	-1.23637
Se 196.026	-3.6661	ppb	1.0756	29.3	6.0225	-3.66612
Sn 189.925	2.4927	ppb	1.1776	47.2	-7.9720	2.49266
Sr 216.596	0.2444	ppb	0.1684	68.9	9.5447	0.24439
Ti 334.941	0.1238	ppb	0.0260	21.0	-28.7390	0.12381
Tl 190.794	-0.8125	ppb	4.6999	578.5	-11.0933	-0.81248
V 292.401	0.5176	ppb	0.1903	36.8	30.3239	0.51757
Zn 206.200	0.0981	ppb	0.4958	505.2	1.8029	0.09814

680-102226-A-25-A (Samp) **6/18/2014, 9:37:44 AM** **Rack 4, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	0.2405	0.4857	0.3955
Al 308.215	-1.3989u	-2.8672u	-3.1717u
As 188.980	0.5012	-0.8217u	-2.0521u
B 249.678	11.1636	10.6562	11.2611
Ba 389.178	9.4914	9.6252	10.1044
Be 313.042	0.1559	0.1604	0.1589
Ca 370.602	31402	31359	31413
Cd 226.502	-0.0368u	0.1263	0.2077
Co 228.615	0.2161	0.2331	0.2330
Cr 267.716	0.1246	0.2121	0.3556
Cu 324.754	28.3139	27.7216	27.8390
Fe 271.441	-15.1903u	-19.5111u	-14.5914u
K 766.491	689.978	691.654	691.252
Mg 279.078	6727.90	6716.92	6727.99
Mn 257.610	1.3272	1.3466	1.3706
Mo 202.032	10.3051	10.8148	10.2269
Na 330.237	5923.81	5879.59	5854.70
Ni 231.604	1.1633	1.6255	1.0980
Pb 220.353	1.7133	-0.7632u	2.1080
Sb 206.834	-6.1159u	-0.7127u	-2.9333u
Se 196.026	-5.1937u	-1.5448u	3.3122
Sn 189.925	0.5418	1.3190	-1.5122u
Sr 216.596	183.793	184.081	184.682

Label	Replicates Concentration		
Ti 334.941	0.0755	0.0897	0.0741
Tl 190.794	-3.0068u	-1.8829u	-2.3663u
V 292.401	5.4610	5.5798	5.8123
Zn 206.200	2.7185	3.5831	3.6535

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3739	ppb	0.1240	33.2	-9.1690
Al 308.215	-2.4793	ppb	0.9479	38.2	379.355
As 188.980	-0.7909	ppb	1.2769	161.5	-5.5093
B 249.678	11.0270	ppb	0.3248	2.9	271.488
Ba 389.178	9.7403	ppb	0.3223	3.3	249.414
Be 313.042	0.1584	ppb	0.0023	1.4	-3034.82
Ca 370.602	31391	ppb	28.44	0.1	156472
Cd 226.502	0.0990	ppb	0.1245	125.7	30.5832
Co 228.615	0.2274	ppb	0.0098	4.3	-15.2678
Cr 267.716	0.2307	ppb	0.1166	50.5	8.5398
Cu 324.754	27.9582	ppb	0.3136	1.1	1729.93
Fe 271.441	-16.4310	ppb	2.6843	16.3	24.4893
K 766.491	690.961	ppb	0.8749	0.1	96555.0
Mg 279.078	6724.27	ppb	6.3640	0.1	18924.5
Mn 257.610	1.3482	ppb	0.0217	1.6	316.008
Mo 202.032	10.4489	ppb	0.3192	3.1	86.1030
Na 330.237	5886.03	ppb	35.0031	0.6	497.988
Ni 231.604	1.2956	ppb	0.2875	22.2	9.6558
Pb 220.353	1.0194	ppb	1.5563	152.7	3.4650
Sb 206.834	-3.2539	ppb	2.7158	83.5	4.6570
Se 196.026	-1.1421	ppb	4.2672	373.6	7.3896
Sn 189.925	0.1162	ppb	1.4628	1259.0	-9.8563
Sr 216.596	184.185	ppb	0.4538	0.2	2031.12
Ti 334.941	0.0798	ppb	0.0087	10.9	-31.1137
Tl 190.794	-2.4187	ppb	0.5637	23.3	-12.2707
V 292.401	5.6177	ppb	0.1787	3.2	239.809
Zn 206.200	3.3183	ppb	0.5207	15.7	12.2298

680-102226-A-25-Asd (Samp) **6/18/2014, 9:42:25 AM** **Rack 4, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	0.3264	0.3419	0.5009
Al 308.215	-5.8501u	-3.7294u	-5.6743u
As 188.980	-4.2927u	2.0953	4.0440
B 249.678	1.4143	1.5582	1.1727
Ba 389.178	1.7212	1.9556	1.9760
Be 313.042	0.1654	0.1658	0.1558
Ca 370.602	6311	6311	6279
Cd 226.502	0.2330	0.0437	0.2533
Co 228.615	-0.0398u	0.7886	0.2247
Cr 267.716	-0.0817u	-0.2554u	-0.1196u
Cu 324.754	5.9111	5.9156	6.1922
Fe 271.441	-5.7041u	-4.7531u	-7.5857u
K 766.491	132.630	132.345	132.224
Mg 279.078	1352.23	1350.14	1348.12

Label	Replicates Concentration		
Mn 257.610	0.3395	0.3092	0.3449
Mo 202.032	1.9414	1.9897	2.1149
Na 330.237	1297.15	1131.04	1005.52
Ni 231.604	0.6134	1.6233	2.2720
Pb 220.353	0.8113	1.1070	0.4113
Sb 206.834	-4.2771u	-5.9080u	1.1501
Se 196.026	5.3766	-7.7545u	-5.5472u
Sn 189.925	4.5710	1.5956	1.4072
Sr 216.596	36.9320	36.9463	36.8528
Ti 334.941	0.0759	0.0505	0.0759
Tl 190.794	-1.2376u	1.2664	3.4996
V 292.401	0.9347	1.0857	1.0188
Zn 206.200	0.0120	0.5640	1.2677

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3897	ppb	0.0966	24.8	-8.1517
Al 308.215	-5.0846	ppb	1.1769	23.1	360.599
As 188.980	0.6155	ppb	4.3609	708.5	-4.6034
B 249.678	1.3817	ppb	0.1948	14.1	108.714
Ba 389.178	1.8843	ppb	0.1415	7.5	17.4332
Be 313.042	0.1623	ppb	0.0056	3.5	-3035.28
Ca 370.602	6300	ppb	18.70	0.3	31389
Cd 226.502	0.1767	ppb	0.1156	65.4	33.8182
Co 228.615	0.3245	ppb	0.4231	130.4	-14.0331
Cr 267.716	-0.1522	ppb	0.0913	60.0	-4.9533
Cu 324.754	6.0063	ppb	0.1610	2.7	541.370
Fe 271.441	-6.0143	ppb	1.4415	24.0	37.7125
K 766.491	132.400	ppb	0.2086	0.2	20260.9
Mg 279.078	1350.16	ppb	2.0532	0.2	3831.20
Mn 257.610	0.3312	ppb	0.0193	5.8	87.1554
Mo 202.032	2.0153	ppb	0.0895	4.4	21.7267
Na 330.237	1144.57	ppb	146.284	12.8	178.621
Ni 231.604	1.5029	ppb	0.8358	55.6	10.4551
Pb 220.353	0.7765	ppb	0.3491	45.0	3.1248
Sb 206.834	-3.0117	ppb	3.6953	122.7	5.1049
Se 196.026	-2.6417	ppb	7.0312	266.2	6.5334
Sn 189.925	2.5246	ppb	1.7748	70.3	-7.9464
Sr 216.596	36.9104	ppb	0.0504	0.1	412.535
Ti 334.941	0.0674	ppb	0.0147	21.8	-50.6833
Tl 190.794	1.1761	ppb	2.3699	201.5	-9.6341
V 292.401	1.0130	ppb	0.0757	7.5	50.6010
Zn 206.200	0.6146	ppb	0.6293	102.4	3.4766

680-102226-A-25-Apds (Samp) **6/18/2014, 9:47:06 AM** **Rack 4, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	35.5467	35.3977	35.2830
Al 308.215	1986.06	1987.42	1989.46
As 188.980	191.293	199.167	195.940
B 249.678	490.163	490.481	491.331
Ba 389.178	218.743	219.049	218.501

Label	Replicates Concentration		
Be 313.042	51.4874	51.3985	51.4516
Ca 370.602	33181	33128	33108
Cd 226.502	52.6246	52.5056	52.4870
Co 228.615	208.132	207.324	207.308
Cr 267.716	205.060	203.839	204.134
Cu 324.754	238.386	239.019	237.864
Fe 271.441	1987.92	1973.19	1983.24
K 766.491	2906.51	2901.30	2907.13
Mg 279.078	8759.31	8754.63	8758.20
Mn 257.610	214.433	214.178	214.501
Mo 202.032	215.370	214.969	214.784
Na 330.237	8027.79	7738.21	7937.53
Ni 231.604	207.618	206.327	205.738
Pb 220.353	206.673	207.324	206.595
Sb 206.834	184.781	188.598	189.187
Se 196.026	195.423	202.518	201.705
Sn 189.925	213.060	211.405	209.865
Sr 216.596	385.768	383.456	383.005
Ti 334.941	199.861	199.722	199.854
Tl 190.794	202.051	202.560	206.109
V 292.401	208.654	208.767	208.577
Zn 206.200	207.235	207.820	207.504

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	35.4091	ppb	0.1323	0.4	2073.94
Al 308.215	1987.65	ppb	1.7109	0.1	14040.6
As 188.980	195.467	ppb	3.9579	2.0	121.332
B 249.678	490.659	ppb	0.6039	0.1	8367.13
Ba 389.178	218.764	ppb	0.2747	0.1	5970.60
Be 313.042	51.4459	ppb	0.0447	0.1	157383
Ca 370.602	33139	ppb	37.74	0.1	165204
Cd 226.502	52.5391	ppb	0.0747	0.1	2229.75
Co 228.615	207.588	ppb	0.4712	0.2	2154.52
Cr 267.716	204.345	ppb	0.6368	0.3	7198.61
Cu 324.754	238.423	ppb	0.5784	0.2	13383.7
Fe 271.441	1981.45	ppb	7.5287	0.4	2590.58
K 766.491	2904.98	ppb	3.2026	0.1	398968
Mg 279.078	8757.38	ppb	2.4462	0.0	24629.3
Mn 257.610	214.371	ppb	0.1704	0.1	39729.5
Mo 202.032	215.041	ppb	0.2996	0.1	1647.51
Na 330.237	7901.18	ppb	148.176	1.9	628.505
Ni 231.604	206.561	ppb	0.9617	0.5	800.785
Pb 220.353	206.864	ppb	0.3999	0.2	299.327
Sb 206.834	187.522	ppb	2.3918	1.3	211.780
Se 196.026	199.882	ppb	3.8827	1.9	99.3911
Sn 189.925	211.443	ppb	1.5978	0.8	157.853
Sr 216.596	384.076	ppb	1.4824	0.4	4206.13
Ti 334.941	199.812	ppb	0.0780	0.0	90133.9
Tl 190.794	203.573	ppb	2.2107	1.1	139.128
V 292.401	208.666	ppb	0.0955	0.0	8620.92
Zn 206.200	207.519	ppb	0.2928	0.1	672.727

680-102226-A-25-B MS (Samp) **6/18/2014, 10:05:37 AM** **Rack 4, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	20.7821	21.0497	21.0821
Al 308.215	2000.24	2002.82	2002.45
As 188.980	47.5525	38.6018	46.2583
B 249.678	89.8664	90.0364	89.7191
Ba 389.178	51.3349	51.3483	51.0824
Be 313.042	20.9355	20.9477	20.9181
Ca 370.602	33560	33512	33499
Cd 226.502	21.1826	21.0290	20.9822
Co 228.615	21.1978	21.2394	21.1595
Cr 267.716	41.9030	42.1584	42.1004
Cu 324.754	71.3870	70.7798	70.8171
Fe 271.441	2005.99	2001.04	1995.00
K 766.491	2899.82	2896.40	2898.08
Mg 279.078	8789.50	8773.00	8779.67
Mn 257.610	215.994	215.752	215.568
Mo 202.032	52.7318	50.4890	52.4171
Na 330.237	7947.15	8037.75	7717.85
Ni 231.604	43.4320	42.2825	43.6217
Pb 220.353	19.1041	22.4349	22.5325
Sb 206.834	16.6122	14.2626	20.3086
Se 196.026	46.3143	41.8806	29.0271
Sn 189.925	91.7305	85.3342	87.2540
Sr 216.596	224.237	224.458	225.289
Ti 334.941	40.7583	40.8166	40.7086
Tl 190.794	10.5866	16.4143	19.1182
V 292.401	47.2970	47.5912	47.1283
Zn 206.200	44.7384	44.3600	43.2763

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.9713	ppb	0.1646	0.8	1215.58
Al 308.215	2001.84	ppb	1.3982	0.1	14115.9
As 188.980	44.1375	ppb	4.8376	11.0	23.5118
B 249.678	89.8740	ppb	0.1588	0.2	1600.77
Ba 389.178	51.2552	ppb	0.1498	0.3	1394.75
Be 313.042	20.9338	ppb	0.0149	0.1	61938.8
Ca 370.602	33524	ppb	32.16	0.1	167077
Cd 226.502	21.0646	ppb	0.1048	0.5	914.151
Co 228.615	21.1989	ppb	0.0400	0.2	204.151
Cr 267.716	42.0539	ppb	0.1339	0.3	1481.82
Cu 324.754	70.9947	ppb	0.3403	0.5	4110.98
Fe 271.441	2000.67	ppb	5.5056	0.3	2597.11
K 766.491	2898.10	ppb	1.7092	0.1	398029
Mg 279.078	8780.72	ppb	8.3024	0.1	24694.8
Mn 257.610	215.771	ppb	0.2138	0.1	39988.7
Mo 202.032	51.8793	ppb	1.2143	2.3	402.115
Na 330.237	7900.92	ppb	164.885	2.1	631.851
Ni 231.604	43.1121	ppb	0.7247	1.7	170.902
Pb 220.353	21.3572	ppb	1.9518	9.1	32.5436
Sb 206.834	17.0612	ppb	3.0479	17.9	26.4458
Se 196.026	39.0740	ppb	8.9788	23.0	25.8793

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	88.1062	ppb	3.2822	3.7	59.9729
Sr 216.596	224.661	ppb	0.5544	0.2	2473.72
Ti 334.941	40.7611	ppb	0.0541	0.1	18338.3
Tl 190.794	15.3731	ppb	4.3601	28.4	0.7340
V 292.401	47.3389	ppb	0.2343	0.5	1962.97
Zn 206.200	44.1249	ppb	0.7589	1.7	144.272

680-102226-A-25-C MS (Samp) **6/18/2014, 10:10:18 AM** **Rack 4, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	21.0358	21.3866	21.6333
Al 308.215	2012.61	2011.12	2019.04
As 188.980	42.6711	44.6448	38.6035
B 249.678	90.7182	91.1839	90.6954
Ba 389.178	51.6445	51.5879	51.2853
Be 313.042	21.0686	21.0358	21.0244
Ca 370.602	34169	34124	34077
Cd 226.502	21.1070	21.0881	20.8406
Co 228.615	21.1562	21.2229	21.5196
Cr 267.716	42.2019	41.8483	41.7666
Cu 324.754	71.8267	71.9374	71.9357
Fe 271.441	2022.23	2023.60	2015.44
K 766.491	2920.12	2925.26	2931.39
Mg 279.078	8920.11	8949.88	8917.31
Mn 257.610	217.236	217.233	216.537
Mo 202.032	51.5764	53.0544	52.3262
Na 330.237	8194.80	8064.62	8038.68
Ni 231.604	43.8689	43.2436	43.1003
Pb 220.353	25.1196	24.3594	20.7971
Sb 206.834	16.9131	13.3232	17.8665
Se 196.026	43.9275	35.5102	34.0476
Sn 189.925	86.8527	90.1979	85.4145
Sr 216.596	228.091	227.839	227.697
Ti 334.941	41.0914	41.1530	41.0285
Tl 190.794	14.5152	10.0398	16.1419
V 292.401	47.8277	47.5118	47.5469
Zn 206.200	45.7365	46.4674	46.6862

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.3519	ppb	0.3003	1.4	1238.20
Al 308.215	2014.26	ppb	4.2087	0.2	14201.0
As 188.980	41.9731	ppb	3.0805	7.3	22.1135
B 249.678	90.8659	ppb	0.2757	0.3	1617.51
Ba 389.178	51.5059	ppb	0.1931	0.4	1402.11
Be 313.042	21.0429	ppb	0.0229	0.1	62280.5
Ca 370.602	34123	ppb	45.76	0.1	170067
Cd 226.502	21.0119	ppb	0.1487	0.7	912.004
Co 228.615	21.2996	ppb	0.1934	0.9	205.199
Cr 267.716	41.9390	ppb	0.2314	0.6	1477.77
Cu 324.754	71.8999	ppb	0.0634	0.1	4160.47
Fe 271.441	2020.42	ppb	4.3665	0.2	2622.26

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	2925.59	ppb	5.6428	0.2	401784
Mg 279.078	8929.10	ppb	18.0521	0.2	25111.5
Mn 257.610	217.002	ppb	0.4026	0.2	40217.4
Mo 202.032	52.3190	ppb	0.7390	1.4	405.469
Na 330.237	8099.37	ppb	83.6571	1.0	645.195
Ni 231.604	43.4043	ppb	0.4087	0.9	172.029
Pb 220.353	23.4254	ppb	2.3077	9.9	35.5187
Sb 206.834	16.0343	ppb	2.3958	14.9	25.3045
Se 196.026	37.8284	ppb	5.3324	14.1	25.3145
Sn 189.925	87.4884	ppb	2.4542	2.8	59.4826
Sr 216.596	227.876	ppb	0.1996	0.1	2509.05
Ti 334.941	41.0909	ppb	0.0622	0.2	18487.5
Tl 190.794	13.5656	ppb	3.1599	23.3	-0.5932
V 292.401	47.6288	ppb	0.1731	0.4	1974.92
Zn 206.200	46.2967	ppb	0.4973	1.1	151.305

MB 680-334383/1-A (Samp) **6/18/2014, 10:14:59 AM** **Rack 4, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	0.0115	0.3615	0.7053
Al 308.215	-1.8711u	-1.8731u	-4.4462u
As 188.980	4.9712	-1.1678u	1.1450
B 249.678	0.4708	-0.7560u	-0.9205u
Ba 389.178	0.1461	0.3523	0.1980
Be 313.042	0.1568	0.1608	0.1662
Ca 370.602	21.40	21.55	21.79
Cd 226.502	-0.0134u	0.0936	-0.0004
Co 228.615	0.0140	0.5891	0.2109
Cr 267.716	0.2415	0.1157	0.2682
Cu 324.754	0.3649	0.2430	0.1499
Fe 271.441	12.9296	9.9870	7.1076
K 766.491	8.9717	8.6021	8.3577
Mg 279.078	6.7533	3.6585	5.2408
Mn 257.610	0.3315	0.2809	0.3338
Mo 202.032	0.6926	0.5194	0.0635
Na 330.237	157.192	57.0016	123.122
Ni 231.604	2.1345	1.3881	1.2945
Pb 220.353	-2.2399u	1.3649	0.0798
Sb 206.834	-2.5303u	-8.2935u	-4.4944u
Se 196.026	3.3250	0.4198	-5.1760u
Sn 189.925	13.2945	11.4924	14.3734
Sr 216.596	-0.3070u	-0.3207u	0.2488
Ti 334.941	0.1751	0.2361	0.2232
Tl 190.794	3.9771	0.2296	4.5567
V 292.401	-0.0960u	-0.1144u	-0.1316u
Zn 206.200	2.6136	3.0818	3.0139

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3594	ppb	0.3469	96.5	-9.9322
Al 308.215	-2.7301	ppb	1.4862	54.4	376.548
As 188.980	1.6495	ppb	3.1004	188.0	-3.9360

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	-0.4019	ppb	0.7602	189.2	78.6019
Ba 389.178	0.2321	ppb	0.1072	46.2	-32.0173
Be 313.042	0.1613	ppb	0.0047	2.9	-3041.76
Ca 370.602	21.58	ppb	0.2007	0.9	89.68
Cd 226.502	0.0266	ppb	0.0584	219.5	27.5863
Co 228.615	0.2713	ppb	0.2923	107.7	-14.5447
Cr 267.716	0.2084	ppb	0.0815	39.1	7.7564
Cu 324.754	0.2526	ppb	0.1078	42.7	229.520
Fe 271.441	10.0081	ppb	2.9111	29.1	58.1242
K 766.491	8.6438	ppb	0.3091	3.6	3357.05
Mg 279.078	5.2175	ppb	1.5475	29.7	53.8711
Mn 257.610	0.3154	ppb	0.0299	9.5	74.0618
Mo 202.032	0.4252	ppb	0.3250	76.4	9.5872
Na 330.237	112.439	ppb	50.9425	45.3	109.082
Ni 231.604	1.6057	ppb	0.4603	28.7	10.8520
Pb 220.353	-0.2651	ppb	1.8270	689.3	1.6273
Sb 206.834	-5.1061	ppb	2.9298	57.4	2.8382
Se 196.026	-0.4771	ppb	4.3209	905.7	7.4807
Sn 189.925	13.0534	ppb	1.4555	11.2	0.4090
Sr 216.596	-0.1263	ppb	0.3249	257.3	5.4966
Ti 334.941	0.2115	ppb	0.0321	15.2	10.8215
Tl 190.794	2.9211	ppb	2.3488	80.4	-8.3548
V 292.401	-0.1140	ppb	0.0178	15.6	4.1237
Zn 206.200	2.9031	ppb	0.2530	8.7	10.8860

LCS 680-334383/2-A (Samp) **6/18/2014, 10:19:40 AM** **Rack 4, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	46.4792	46.5678	46.9579
Al 308.215	4398.14	4398.77	4392.69
As 188.980	91.4877	96.6530	91.5308
B 249.678	168.498	169.309	168.280
Ba 389.178	91.5882	90.6919	90.5938
Be 313.042	46.2584	46.2345	46.1250
Ca 370.602	4582	4582	4557
Cd 226.502	46.6942	46.9359	46.7095
Co 228.615	46.1967	46.7878	46.9593
Cr 267.716	92.3556	92.8047	92.6554
Cu 324.754	96.1116	96.6047	98.5466
Fe 271.441	4484.07	4490.84	4465.35
K 766.491	4512.13	4517.48	4498.06
Mg 279.078	4435.42	4440.62	4440.15
Mn 257.610	476.450	475.310	474.447
Mo 202.032	91.6834	92.7187	92.6590
Na 330.237	4387.66	4487.94	4574.92
Ni 231.604	93.2796	94.2688	93.3033
Pb 220.353	51.0551	48.4102	47.3301
Sb 206.834	43.7999	49.4665	38.8168
Se 196.026	84.1694	89.0701	91.9942
Sn 189.925	202.427	203.028	194.740
Sr 216.596	88.7359	88.6521	88.3728

Label	Replicates Concentration		
Ti 334.941	90.8208	90.9154	90.6333
Tl 190.794	36.8979	34.4867	34.5865
V 292.401	92.3986	92.7013	91.9840
Zn 206.200	96.3339	95.7751	96.0326

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.6683	ppb	0.2547	0.5	2743.63
Al 308.215	4396.54	ppb	3.3433	0.1	30527.0
As 188.980	93.2238	ppb	2.9698	3.2	55.2148
B 249.678	168.696	ppb	0.5424	0.3	2929.40
Ba 389.178	90.9580	ppb	0.5480	0.6	2470.93
Be 313.042	46.2060	ppb	0.0711	0.2	140960
Ca 370.602	4574	ppb	14.78	0.3	22727
Cd 226.502	46.7799	ppb	0.1354	0.3	1997.82
Co 228.615	46.6479	ppb	0.4001	0.9	470.680
Cr 267.716	92.6052	ppb	0.2288	0.2	3262.56
Cu 324.754	97.0876	ppb	1.2873	1.3	5587.33
Fe 271.441	4480.09	ppb	13.2064	0.3	5759.23
K 766.491	4509.22	ppb	10.0284	0.2	618092
Mg 279.078	4438.73	ppb	2.8766	0.1	12493.9
Mn 257.610	475.402	ppb	1.0048	0.2	87973.9
Mo 202.032	92.3537	ppb	0.5813	0.6	710.777
Na 330.237	4483.51	ppb	93.7099	2.1	399.384
Ni 231.604	93.6172	ppb	0.5644	0.6	365.655
Pb 220.353	48.9318	ppb	1.9165	3.9	72.0096
Sb 206.834	44.0277	ppb	5.3285	12.1	55.6451
Se 196.026	88.4113	ppb	3.9538	4.5	48.3470
Sn 189.925	200.065	ppb	4.6216	2.3	148.822
Sr 216.596	88.5869	ppb	0.1901	0.2	975.505
Ti 334.941	90.7898	ppb	0.1436	0.2	40910.5
Tl 190.794	35.3237	ppb	1.3642	3.9	15.3107
V 292.401	92.3613	ppb	0.3601	0.4	3823.47
Zn 206.200	96.0472	ppb	0.2797	0.3	312.289

680-102325-C-5-A (Samp) **6/18/2014, 10:24:21 AM** **Rack 4, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-1.2999u	-1.6704u	-1.6840u
Al 308.215	141460	141292	141716
As 188.980	124.518	129.154	138.609
B 249.678	8.1969	7.5350	7.4815
Ba 389.178	730.740	726.916	731.472
Be 313.042	7.1261	7.0979	7.1269
Ca 370.602	9986	9934	9976
Cd 226.502	0.5213	0.6166	0.6194
Co 228.615	23.1348	21.6997	23.0858
Cr 267.716	158.956	158.621	159.239
Cu 324.754	58.9730	59.6141	60.0022
Fe 271.441	61021.1	60828.9	61094.9
K 766.491	4640.49	4644.47	4660.32
Mg 279.078	8679.33	8666.52	8686.14

Label	Replicates Concentration		
Mn 257.610	3316.96	3303.47	3314.18
Mo 202.032	2.8502	2.6369	2.5761
Na 330.237	751.190u	699.106u	970.108
Ni 231.604	58.8575	58.3241	57.8247
Pb 220.353	91.7140	89.4421	91.4315
Sb 206.834	-2.1710u	-7.0877u	3.2817
Se 196.026	-0.2734	-6.6783u	-13.8675u
Sn 189.925	20.6083	21.7327	19.6415
Sr 216.596	97.2753	97.0138	97.3823
Ti 334.941	1150.51	1147.18	1153.68
Tl 190.794	2.5416u	-4.9922u	0.7823u
V 292.401	133.011	132.831	133.485
Zn 206.200	179.505	178.424	181.162

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5514	ppb	0.2180	14.0	-117.655
Al 308.215	141489	ppb	213.506	0.2	969701
As 188.980	130.760	ppb	7.1816	5.5	78.9140
B 249.678	7.7378	ppb	0.3985	5.2	166.748
Ba 389.178	729.709	ppb	2.4465	0.3	20058.4
Be 313.042	7.1170	ppb	0.0165	0.2	18786.3
Ca 370.602	9965	ppb	28.04	0.3	48883
Cd 226.502	0.5858	ppb	0.0558	9.5	268.342
Co 228.615	22.6401	ppb	0.8148	3.6	245.890
Cr 267.716	158.939	ppb	0.3097	0.2	5600.39
Cu 324.754	59.5298	ppb	0.5198	0.9	3475.71
Fe 271.441	60981.6	ppb	137.346	0.2	77758.3
K 766.491	4648.43	ppb	10.4892	0.2	637106
Mg 279.078	8677.33	ppb	9.9654	0.1	24252.8
Mn 257.610	3311.53	ppb	7.1232	0.2	612627
Mo 202.032	2.6877	ppb	0.1439	5.4	20.0909
Na 330.237	806.801	ppb	143.805	17.8	104.931
Ni 231.604	58.3355	ppb	0.5165	0.9	232.474
Pb 220.353	90.8625	ppb	1.2382	1.4	123.084
Sb 206.834	-1.9924	ppb	5.1870	260.3	7.5082
Se 196.026	-6.9398	ppb	6.8008	98.0	6.7530
Sn 189.925	20.6609	ppb	1.0466	5.1	6.4461
Sr 216.596	97.2238	ppb	0.1895	0.2	1131.11
Ti 334.941	1150.46	ppb	3.2507	0.3	519278
Tl 190.794	-0.5561	ppb	3.9412	708.7	-15.2960
V 292.401	133.109	ppb	0.3381	0.3	5588.21
Zn 206.200	179.697	ppb	1.3793	0.8	584.823

680-102325-C-5-Asd (Samp) **6/18/2014, 10:29:02 AM** **Rack 4, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	-0.1672u	-0.5826u	-0.6361u
Al 308.215	29797.6	29731.1	29823.4
As 188.980	21.1412	23.9926	25.5760
B 249.678	0.8121	0.6974	1.0084
Ba 389.178	155.133	154.139	155.118

Label	Replicates Concentration		
Be 313.042	1.6349	1.6246	1.6257
Ca 370.602	2114	2111	2116
Cd 226.502	0.1518	0.0481	0.1483
Co 228.615	4.8669	5.0013	5.2939
Cr 267.716	33.7808	33.5521	33.4734
Cu 324.754	12.7704	12.9825	13.0515
Fe 271.441	12974.0	12941.2	12972.2
K 766.491	919.085	916.722	920.381
Mg 279.078	1867.70	1864.79	1867.19
Mn 257.610	721.144	719.074	721.186
Mo 202.032	0.5875	0.9883	0.9230
Na 330.237	270.160	156.732u	183.502
Ni 231.604	13.6461	13.2753	13.8352
Pb 220.353	20.3866	23.2438	20.7909
Sb 206.834	-8.5506u	-2.4711u	-6.2623u
Se 196.026	-1.9397u	-2.4024u	-0.8755
Sn 189.925	5.8337	3.8982	6.9697
Sr 216.596	21.1920	20.7105	20.1677
Ti 334.941	248.281	247.730	248.372
Tl 190.794	0.2765u	0.5748u	-0.4591u
V 292.401	28.3644	28.1711	28.4449
Zn 206.200	37.8299	38.3781	38.6450

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4620	ppb	0.2567	55.6	-57.4461
Al 308.215	29784.0	ppb	47.6287	0.2	204438
As 188.980	23.5699	ppb	2.2474	9.5	10.1063
B 249.678	0.8393	ppb	0.1573	18.7	89.0608
Ba 389.178	154.797	ppb	0.5700	0.4	4224.95
Be 313.042	1.6284	ppb	0.0057	0.3	1562.44
Ca 370.602	2114	ppb	2.270	0.1	10355
Cd 226.502	0.1160	ppb	0.0589	50.7	77.4547
Co 228.615	5.0540	ppb	0.2183	4.3	41.1690
Cr 267.716	33.6021	ppb	0.1597	0.5	1184.33
Cu 324.754	12.9348	ppb	0.1465	1.1	924.035
Fe 271.441	12962.5	ppb	18.4174	0.1	16564.3
K 766.491	918.729	ppb	1.8551	0.2	127666
Mg 279.078	1866.56	ppb	1.5568	0.1	5248.20
Mn 257.610	720.468	ppb	1.2078	0.2	133296
Mo 202.032	0.8329	ppb	0.2150	25.8	11.2637
Na 330.237	203.465	ppb	59.2903	29.1	104.353
Ni 231.604	13.5855	ppb	0.2848	2.1	57.6558
Pb 220.353	21.4738	ppb	1.5462	7.2	30.8696
Sb 206.834	-5.7613	ppb	3.0706	53.3	2.3787
Se 196.026	-1.7392	ppb	0.7829	45.0	7.3791
Sn 189.925	5.5672	ppb	1.5530	27.9	-5.5321
Sr 216.596	20.6901	ppb	0.5124	2.5	246.090
Ti 334.941	248.127	ppb	0.3472	0.1	111930
Tl 190.794	0.1307	ppb	0.5322	407.0	-11.3262
V 292.401	28.3268	ppb	0.1407	0.5	1196.28
Zn 206.200	38.2843	ppb	0.4156	1.1	125.765

680-102325-C-5-Apds (Samp) **6/18/2014, 10:33:44 AM** **Rack 4, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	34.1998	34.3975	34.8275
Al 308.215	141302	141527	141685
As 188.980	317.506	310.334	306.580
B 249.678	450.681	451.457	451.603
Ba 389.178	906.005	906.415	907.456
Be 313.042	54.8180	54.9470	54.9438
Ca 370.602	11573	11603	11611
Cd 226.502	48.4008	48.3658	48.4103
Co 228.615	211.402	211.894	210.387
Cr 267.716	343.289	343.524	343.936
Cu 324.754	255.900	257.504	257.447
Fe 271.441	61206.9	61336.1	61937.9
K 766.491	6677.14	6680.15	6663.68
Mg 279.078	10405.5	10438.9	10424.6
Mn 257.610	3443.58	3455.46	3462.07
Mo 202.032	189.610	190.790	191.258
Na 330.237	3059.27	2714.56	2797.53
Ni 231.604	243.666	246.682	244.598
Pb 220.353	273.860	277.129	279.474
Sb 206.834	178.416	177.438	168.914
Se 196.026	183.105	185.241	191.336
Sn 189.925	208.678	219.342	203.177
Sr 216.596	276.995	278.506	276.268
Ti 334.941	1315.74	1316.99	1317.51
Tl 190.794	185.411	185.180	192.548
V 292.401	317.179	317.728	317.372
Zn 206.200	366.609	366.621	366.551

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	34.4750	ppb	0.3209	0.9	2024.22
Al 308.215	141505	ppb	192.642	0.1	969832
As 188.980	311.473	ppb	5.5513	1.8	195.720
B 249.678	451.247	ppb	0.4953	0.1	7653.70
Ba 389.178	906.626	ppb	0.7479	0.1	24898.5
Be 313.042	54.9029	ppb	0.0736	0.1	168250
Ca 370.602	11596	ppb	19.66	0.2	57046
Cd 226.502	48.3923	ppb	0.0234	0.0	2268.80
Co 228.615	211.228	ppb	0.7688	0.4	2218.84
Cr 267.716	343.583	ppb	0.3272	0.1	12104.6
Cu 324.754	256.950	ppb	0.9103	0.4	14407.6
Fe 271.441	61493.6	ppb	390.113	0.6	78429.2
K 766.491	6673.65	ppb	8.7681	0.1	913733
Mg 279.078	10423.0	ppb	16.7202	0.2	29154.0
Mn 257.610	3453.70	ppb	9.3679	0.3	638932
Mo 202.032	190.553	ppb	0.8493	0.4	1453.98
Na 330.237	2857.12	ppb	179.916	6.3	239.142
Ni 231.604	244.982	ppb	1.5441	0.6	951.785
Pb 220.353	276.821	ppb	2.8199	1.0	390.489
Sb 206.834	174.923	ppb	5.2264	3.0	199.585
Se 196.026	186.561	ppb	4.2712	2.3	95.2658

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	210.399	ppb	8.2186	3.9	157.022
Sr 216.596	277.256	ppb	1.1421	0.4	3088.73
Ti 334.941	1316.75	ppb	0.9121	0.1	594344
Tl 190.794	187.713	ppb	4.1891	2.2	123.158
V 292.401	317.427	ppb	0.2789	0.1	13194.7
Zn 206.200	366.594	ppb	0.0375	0.0	1189.32

Cont Calib Verif (CCV) **6/18/2014, 10:38:25 AM** **Rack 4, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	486.961	484.588	485.839
Al 308.215	4779.07	4765.70	4787.82
As 188.980	452.932	459.334	465.868
B 249.678	478.442	477.307	477.436
Ba 389.178	4883.67	4877.31	4871.30
Be 313.042	483.602	483.566	483.157
Ca 370.602	4935	4919	4924
Cd 226.502	487.826	487.226	486.446
Co 228.615	491.757	489.242	488.157
Cr 267.716	4851.78	4839.58	4832.59
Cu 324.754	4893.40	4912.47	4925.38
Fe 271.441	4833.58	4823.04	4825.57
K 766.491	9742.52	9714.19	9711.91
Mg 279.078	4787.73	4785.33	4783.23
Mn 257.610	4917.13	4917.43	4912.15
Mo 202.032	488.815	487.955	487.939
Na 330.237	7185.59	7144.51	7142.35
Ni 231.604	2421.21	2421.33	2429.36
Pb 220.353	499.600	493.634	486.824
Sb 206.834	956.699	953.718	944.771
Se 196.026	4823.20	4842.86	4801.06
Sn 189.925	4854.96	4827.92	4817.75
Sr 216.596	2371.65	2365.50	2365.87
Ti 334.941	481.804	480.935	480.596
Tl 190.794	4906.24	4894.48	4898.89
V 292.401	4860.61	4855.99	4848.71
Zn 206.200	2422.37	2423.02	2413.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	485.796	ppb	1.1874	0.2	28872.7	97.15918
Al 308.215	4777.53	ppb	11.1430	0.2	33455.4	95.55061
As 188.980	459.378	ppb	6.4681	1.4	291.896	91.87566
B 249.678	477.728	ppb	0.6211	0.1	8159.30	95.54564
Ba 389.178	4877.42	ppb	6.1847	0.1	133213	97.54849
Be 313.042	483.442	ppb	0.2471	0.1	1510013	96.68840
Ca 370.602	4926	ppb	7.842	0.2	24587	98.51997
Cd 226.502	487.166	ppb	0.6922	0.1	20407.0	97.43315
Co 228.615	489.718	ppb	1.8467	0.4	5107.00	97.94370
Cr 267.716	4841.32	ppb	9.7124	0.2	170538	96.82632
Cu 324.754	4910.42	ppb	16.0895	0.3	272146	98.20830
Fe 271.441	4827.40	ppb	5.5025	0.1	6267.04	96.54796

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9722.87	ppb	17.0541	0.2	1330226	97.22872
Mg 279.078	4785.43	ppb	2.2556	0.0	13466.6	95.70863
Mn 257.610	4915.57	ppb	2.9665	0.1	909060	98.31143
Mo 202.032	488.236	ppb	0.5014	0.1	3729.84	97.64729
Na 330.237	7157.48	ppb	24.3625	0.3	564.415	95.43312
Ni 231.604	2423.97	ppb	4.6706	0.2	9346.16	96.95870
Pb 220.353	493.353	ppb	6.3925	1.3	714.149	98.67058
Sb 206.834	951.729	ppb	6.2075	0.7	1083.96	95.17295
Se 196.026	4822.37	ppb	20.9127	0.4	2213.31	96.44749
Sn 189.925	4833.54	ppb	19.2294	0.4	3825.93	96.67083
Sr 216.596	2367.67	ppb	3.4503	0.1	25779.4	94.70697
Ti 334.941	481.112	ppb	0.6229	0.1	217102	96.22237
Tl 190.794	4899.87	ppb	5.9425	0.1	3590.19	97.99739
V 292.401	4855.10	ppb	5.9986	0.1	201688	97.10210
Zn 206.200	2419.54	ppb	5.4737	0.2	7817.85	96.78161

Cont Calib Blank (CCB) **6/18/2014, 10:43:07 AM** **Rack 4, Tube 38**

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

Label	Replicates	Concentration	
Ag 328.068	0.1587	0.2942	-0.0262u
Al 308.215	-8.9358u	-2.1091u	-5.5200u
As 188.980	6.3677	-0.4539u	-1.7297u
B 249.678	2.1655	2.9780	2.3799
Ba 389.178	1.0382	0.8685	0.9439
Be 313.042	0.3030	0.1497	0.2092
Ca 370.602	3.041	2.996	5.435
Cd 226.502	0.0237	0.2824	0.2919
Co 228.615	0.3479	0.0083	-0.1707u
Cr 267.716	0.3921	0.1449	0.2971
Cu 324.754	0.4057	0.5597	0.6577
Fe 271.441	-6.6847u	-0.6499u	6.3581
K 766.491	-0.7090u	0.6374	-0.1137u
Mg 279.078	-2.0041u	1.6509	2.6648
Mn 257.610	0.6450	0.4287	0.4498
Mo 202.032	0.5152	1.0343	0.1982
Na 330.237	-189.448u	-44.1274u	-196.663u
Ni 231.604	2.2999	1.3951	1.6801
Pb 220.353	0.5062	2.7418	3.7085
Sb 206.834	-4.4635u	-2.1275u	-4.0648u
Se 196.026	4.8541	-10.5674u	1.1678
Sn 189.925	4.0116	-1.0324u	1.9450
Sr 216.596	0.3514	0.2354	0.7137
Ti 334.941	0.1417	0.1932	0.1204
Tl 190.794	3.6309	-1.7122u	-1.9496u
V 292.401	0.5263	0.4649	0.4678
Zn 206.200	-0.5951u	0.1200	0.0145

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1422	ppb	0.1608	113.0	-22.8349	0.14225
Al 308.215	-5.5216	ppb	3.4134	61.8	357.466	-5.52162
As 188.980	1.3947	ppb	4.3538	312.2	-4.1004	1.39469

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	2.5078	ppb	0.4211	16.8	127.718	2.50778
Ba 389.178	0.9502	ppb	0.0850	9.0	-12.4452	0.95017
Be 313.042	0.2206	ppb	0.0773	35.0	-2856.05	0.22064
Ca 370.602	3.824	ppb	1.395	36.5	1.354	3.82376
Cd 226.502	0.1993	ppb	0.1522	76.3	34.7662	0.19933
Co 228.615	0.0618	ppb	0.2634	426.1	-16.7442	0.06182
Cr 267.716	0.2780	ppb	0.1247	44.8	10.2000	0.27804
Cu 324.754	0.5410	ppb	0.1270	23.5	245.512	0.54103
Fe 271.441	-0.3255	ppb	6.5274	2005.5	44.9284	-0.32548
K 766.491	-0.0618	ppb	0.6747	1092.0	2167.94	-0.06178
Mg 279.078	0.7705	ppb	2.4558	318.7	41.4114	0.77054
Mn 257.610	0.5079	ppb	0.1193	23.5	109.588	0.50787
Mo 202.032	0.5826	ppb	0.4221	72.5	10.7899	0.58260
Na 330.237	-143.413	ppb	86.0594	60.0	91.8652	-143.41301
Ni 231.604	1.7917	ppb	0.4626	25.8	11.5683	1.79169
Pb 220.353	2.3188	ppb	1.6425	70.8	5.3467	2.31884
Sb 206.834	-3.5519	ppb	1.2496	35.2	4.5457	-3.55189
Se 196.026	-1.5152	ppb	8.0533	531.5	7.0057	-1.51517
Sn 189.925	1.6414	ppb	2.5356	154.5	-8.6476	1.64139
Sr 216.596	0.4335	ppb	0.2495	57.5	11.5937	0.43352
Ti 334.941	0.1517	ppb	0.0374	24.7	-16.1263	0.15174
Tl 190.794	-0.0103	ppb	3.1556	30519.5	-10.5048	-0.01034
V 292.401	0.4863	ppb	0.0346	7.1	29.0650	0.48630
Zn 206.200	-0.1535	ppb	0.3860	251.4	0.9879	-0.15353

680-102325-C-5-B MS (Samp) **6/18/2014, 10:47:49 AM** **Rack 4, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	45.6206	44.5430	44.4515
Al 308.215	139371	139482	139423
As 188.980	197.543	192.158	197.427
B 249.678	135.180	134.595	135.128
Ba 389.178	841.089	840.383	839.741
Be 313.042	52.3435	52.3066	52.2444
Ca 370.602	14967	14949	14928
Cd 226.502	46.3397	46.5530	46.1786
Co 228.615	69.2545	69.1037	68.4675
Cr 267.716	253.976	253.426	252.986
Cu 324.754	152.698	151.125	153.906
Fe 271.441	62352.4	62703.4	62039.0
K 766.491	9602.92	9632.50	9624.18
Mg 279.078	12998.2	12984.4	12974.5
Mn 257.610	3272.60	3273.53	3266.81
Mo 202.032	87.7855	87.8663	87.0678
Na 330.237	5584.06	5526.39	5891.96
Ni 231.604	151.015	153.308	150.709
Pb 220.353	138.958	139.193	143.577
Sb 206.834	16.7125	16.2698	12.2558
Se 196.026	94.2553	85.3283	80.9639
Sn 189.925	195.562	195.071	196.642
Sr 216.596	191.744	191.912	190.389

Label	Replicates Concentration		
Ti 334.941	1232.62	1232.38	1231.35
Tl 190.794	35.8480	34.5635	30.4608
V 292.401	217.603	217.728	217.998
Zn 206.200	279.379	281.474	280.169

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.8717	ppb	0.6502	1.4	2640.96
Al 308.215	139425	ppb	55.6836	0.0	955574
As 188.980	195.709	ppb	3.0759	1.6	120.889
B 249.678	134.968	ppb	0.3237	0.2	2313.01
Ba 389.178	840.404	ppb	0.6741	0.1	23099.3
Be 313.042	52.2982	ppb	0.0501	0.1	160086
Ca 370.602	14948	ppb	19.65	0.1	73718
Cd 226.502	46.3571	ppb	0.1878	0.4	2186.52
Co 228.615	68.9419	ppb	0.4177	0.6	730.152
Cr 267.716	253.463	ppb	0.4964	0.2	8930.21
Cu 324.754	152.576	ppb	1.3946	0.9	8623.32
Fe 271.441	62364.9	ppb	332.414	0.5	79525.7
K 766.491	9619.87	ppb	15.2547	0.2	1316157
Mg 279.078	12985.7	ppb	11.9376	0.1	36349.3
Mn 257.610	3270.98	ppb	3.6424	0.1	605164
Mo 202.032	87.5732	ppb	0.4396	0.5	667.861
Na 330.237	5667.47	ppb	196.543	3.5	429.867
Ni 231.604	151.677	ppb	1.4206	0.9	592.252
Pb 220.353	140.576	ppb	2.6017	1.9	194.655
Sb 206.834	15.0794	ppb	2.4553	16.3	25.1988
Se 196.026	86.8492	ppb	6.7750	7.8	49.6913
Sn 189.925	195.759	ppb	0.8037	0.4	145.404
Sr 216.596	191.348	ppb	0.8351	0.4	2157.43
Ti 334.941	1232.12	ppb	0.6761	0.1	556150
Tl 190.794	33.6241	ppb	2.8138	8.4	9.8256
V 292.401	217.776	ppb	0.2019	0.1	9082.61
Zn 206.200	280.341	ppb	1.0577	0.4	910.397

680-102325-C-5-C MSD (Samp) **6/18/2014, 10:52:30 AM** **Rack 4, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	43.8331	44.2442	43.8344
Al 308.215	168466	168867	168822
As 188.980	229.439	233.212	226.023
B 249.678	123.642	125.362	124.338
Ba 389.178	993.869	994.548	994.100
Be 313.042	53.2875	53.3816	53.3172
Ca 370.602	14756	14771	14750
Cd 226.502	45.4232	45.2401	45.8227
Co 228.615	70.5325	70.6134	70.3357
Cr 267.716	276.656	277.032	277.656
Cu 324.754	161.860	161.267	161.456
Fe 271.441	73050.8	73154.9	73004.8
K 766.491	10263.2	10276.4	10261.2
Mg 279.078	14378.7	14417.7	14396.4

Label	Replicates Concentration		
Mn 257.610	4107.21	4128.44	4127.27
Mo 202.032	84.2453	85.4874	84.6884
Na 330.237	5321.21	5521.61	5436.18
Ni 231.604	153.644	154.788	154.565
Pb 220.353	151.119	147.616	146.111
Sb 206.834	14.0545	15.9521	11.6278
Se 196.026	76.5062	77.4971	75.8982
Sn 189.925	200.126	187.370	194.989
Sr 216.596	198.903	198.710	197.089
Ti 334.941	1233.73	1231.78	1232.68
Tl 190.794	40.9343	34.1992	42.8280
V 292.401	238.474	238.817	238.346
Zn 206.200	295.650	294.027	294.858

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	43.9706	ppb	0.2370	0.5	2589.75
Al 308.215	168718	ppb	219.382	0.1	1156250
As 188.980	229.558	ppb	3.5961	1.6	142.657
B 249.678	124.448	ppb	0.8648	0.7	2126.73
Ba 389.178	994.172	ppb	0.3450	0.0	27328.2
Be 313.042	53.3288	ppb	0.0481	0.1	163321
Ca 370.602	14759	ppb	10.93	0.1	72583
Cd 226.502	45.4953	ppb	0.2979	0.7	2189.05
Co 228.615	70.4939	ppb	0.1428	0.2	747.171
Cr 267.716	277.115	ppb	0.5052	0.2	9763.60
Cu 324.754	161.528	ppb	0.3030	0.2	9119.01
Fe 271.441	73070.2	ppb	76.9058	0.1	93167.9
K 766.491	10266.9	ppb	8.2541	0.1	1404540
Mg 279.078	14397.6	ppb	19.5203	0.1	40286.8
Mn 257.610	4120.97	ppb	11.9337	0.3	762387
Mo 202.032	84.8070	ppb	0.6295	0.7	645.546
Na 330.237	5426.33	ppb	100.558	1.9	408.201
Ni 231.604	154.333	ppb	0.6064	0.4	603.019
Pb 220.353	148.282	ppb	2.5697	1.7	203.860
Sb 206.834	13.8781	ppb	2.1675	15.6	24.1342
Se 196.026	76.6338	ppb	0.8071	1.1	45.4505
Sn 189.925	194.161	ppb	6.4180	3.3	144.137
Sr 216.596	198.234	ppb	0.9964	0.5	2243.33
Ti 334.941	1232.73	ppb	0.9745	0.1	556433
Tl 190.794	39.3205	ppb	4.5351	11.5	13.1799
V 292.401	238.546	ppb	0.2434	0.1	9951.96
Zn 206.200	294.845	ppb	0.8112	0.3	957.640

680-102325-C-6-A (Samp) **6/18/2014, 10:57:12 AM** **Rack 4, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	-0.4252u	-0.9345u	-0.3244u
Al 308.215	208827	209515	209107
As 188.980	12.0874	21.0668	20.2958
B 249.678	9.5026	9.4706	9.1005
Ba 389.178	693.768	695.154	694.968

Label	Replicates Concentration		
Be 313.042	3.2298	3.2150	3.2157
Ca 370.602	6191	6196	6189
Cd 226.502	0.2766	0.3998	0.1583
Co 228.615	26.6161	25.8086	25.9667
Cr 267.716	184.408	185.429	184.896
Cu 324.754	33.6589	33.8642	33.6991
Fe 271.441	78874.2	78885.1	78781.8
K 766.491	4345.86	4365.61	4358.48
Mg 279.078	10790.6	10803.0	10791.9
Mn 257.610	718.457	719.719	718.285
Mo 202.032	3.3251	2.8751	3.7599
Na 330.237	1172.29u	1214.07u	1226.40u
Ni 231.604	86.6760	86.5069	86.4265
Pb 220.353	74.4710	72.1135	67.1428
Sb 206.834	-2.8499u	-0.4452	-6.7529u
Se 196.026	-1.4856	-17.3693u	-1.6855
Sn 189.925	19.7280	17.9292	18.6107
Sr 216.596	165.256	164.374	163.330
Ti 334.941	3215.82	3218.57	3217.78
Tl 190.794	2.5059u	-0.1788u	-5.1048u
V 292.401	187.993	188.182	187.728
Zn 206.200	136.505	134.583	135.710

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5614	ppb	0.3271	58.3	-72.9548
Al 308.215	209150	ppb	345.998	0.2	1433226
As 188.980	17.8167	ppb	4.9766	27.9	5.7789
B 249.678	9.3579	ppb	0.2235	2.4	179.685
Ba 389.178	694.630	ppb	0.7522	0.1	19147.7
Be 313.042	3.2202	ppb	0.0084	0.3	6633.02
Ca 370.602	6192	ppb	3.551	0.1	30336
Cd 226.502	0.2782	ppb	0.1207	43.4	318.825
Co 228.615	26.1305	ppb	0.4279	1.6	323.974
Cr 267.716	184.911	ppb	0.5108	0.3	6515.41
Cu 324.754	33.7407	ppb	0.1088	0.3	2006.16
Fe 271.441	78847.1	ppb	56.7448	0.1	100526
K 766.491	4356.65	ppb	10.0000	0.2	597252
Mg 279.078	10795.2	ppb	6.8208	0.1	30155.2
Mn 257.610	718.820	ppb	0.7832	0.1	133245
Mo 202.032	3.3200	ppb	0.4424	13.3	22.9355
Na 330.237	1204.25	ppb	28.3596	2.4	86.8456
Ni 231.604	86.5365	ppb	0.1273	0.1	342.042
Pb 220.353	71.2424	ppb	3.7409	5.3	89.7177
Sb 206.834	-3.3494	ppb	3.1834	95.0	6.2109
Se 196.026	-6.8468	ppb	9.1133	133.1	6.7706
Sn 189.925	18.7560	ppb	0.9082	4.8	4.9343
Sr 216.596	164.320	ppb	0.9645	0.6	1879.94
Ti 334.941	3217.39	ppb	1.4182	0.0	1452305
Tl 190.794	-0.9259	ppb	3.8599	416.9	-17.5804
V 292.401	187.968	ppb	0.2280	0.1	7912.70
Zn 206.200	135.599	ppb	0.9655	0.7	442.544

680-102325-B-7-A (Samp) **6/18/2014, 11:01:54 AM** **Rack 4, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-1.3733u	-1.1745u	-1.2001u
Al 308.215	255246	256122	255905
As 188.980	37.3075	32.3463	25.9604
B 249.678	10.5988	10.4795	10.2454
Ba 389.178	997.048	997.039	997.975
Be 313.042	5.3395	5.3422	5.3491
Ca 370.602	7723	7729	7747
Cd 226.502	0.2032	0.1706	0.1086
Co 228.615	30.5931	30.4973	30.7981
Cr 267.716	230.044	230.055	230.782
Cu 324.754	52.1608	52.2484	53.2046
Fe 271.441	92665.3	92756.2	92800.3
K 766.491	5655.18	5677.56	5674.79
Mg 279.078	12721.2	12747.0	12764.2
Mn 257.610	1706.80	1709.58	1711.41
Mo 202.032	2.9855	3.2724	3.7835
Na 330.237	1333.34u	1389.86u	1477.07u
Ni 231.604	106.360	110.176	108.498
Pb 220.353	83.5632	83.4716	84.1902
Sb 206.834	-1.3960	-2.3782u	1.6197
Se 196.026	0.1380	-11.3256u	0.2239
Sn 189.925	22.7547	21.3576	15.8505
Sr 216.596	184.078	186.352	185.928
Ti 334.941	3048.77	3051.98	3051.70
Tl 190.794	-5.4253u	3.2874u	4.7093u
V 292.401	215.807	215.996	215.684
Zn 206.200	193.413	191.331	194.045

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2493	ppb	0.1081	8.7	-111.068
Al 308.215	255757	ppb	456.378	0.2	1752522
As 188.980	31.8714	ppb	5.6884	17.8	14.7291
B 249.678	10.4413	ppb	0.1798	1.7	186.663
Ba 389.178	997.354	ppb	0.5377	0.1	27454.0
Be 313.042	5.3436	ppb	0.0050	0.1	13291.4
Ca 370.602	7733	ppb	12.46	0.2	37717
Cd 226.502	0.1608	ppb	0.0481	29.9	363.925
Co 228.615	30.6295	ppb	0.1537	0.5	368.781
Cr 267.716	230.294	ppb	0.4229	0.2	8114.58
Cu 324.754	52.5380	ppb	0.5790	1.1	3048.81
Fe 271.441	92740.6	ppb	68.7994	0.1	118231
K 766.491	5669.18	ppb	12.2023	0.2	776531
Mg 279.078	12744.1	ppb	21.6763	0.2	35592.7
Mn 257.610	1709.26	ppb	2.3238	0.1	316453
Mo 202.032	3.3471	ppb	0.4042	12.1	21.5874
Na 330.237	1400.09	ppb	72.4121	5.2	95.7379
Ni 231.604	108.344	ppb	1.9126	1.8	426.782
Pb 220.353	83.7417	ppb	0.3911	0.5	104.825
Sb 206.834	-0.7182	ppb	2.0834	290.1	9.4772
Se 196.026	-3.6546	ppb	6.6434	181.8	8.7774

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	19.9876	ppb	3.6503	18.3	5.9118
Sr 216.596	185.453	ppb	1.2092	0.7	2124.42
Ti 334.941	3050.82	ppb	1.7784	0.1	1377125
Tl 190.794	0.8572	ppb	5.4870	640.1	-17.5210
V 292.401	215.829	ppb	0.1569	0.1	9073.61
Zn 206.200	192.930	ppb	1.4202	0.7	628.485

680-102328-A-1-A (Samp) **6/18/2014, 11:06:36 AM** **Rack 4, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	46.5705	46.1382	46.0438
Al 308.215	233111	233226	233019
As 188.980	41.5252	29.1542	33.9524
B 249.678	260.479	261.631	261.176
Ba 389.178	682.422	683.006	683.520
Be 313.042	3.4455	3.4285	3.4348
Ca 370.602	88651	88697	88896
Cd 226.502	75.4342	75.7256	76.1260
Co 228.615	14.1568	14.0225	14.6750
Cr 267.716	286.020	286.980	287.777
Cu 324.754	244115x	246648x	241762x
Fe 271.441	55340.1	55279.2	55437.9
K 766.491	1630.07	1626.76	1620.38
Mg 279.078	9767.84	9777.93	9805.21
Mn 257.610	956.960	956.844	957.722
Mo 202.032	33.2171	32.9661	31.8640
Na 330.237	-1679.75u	-1033.76u	-1300.53u
Ni 231.604	139.079	139.393	138.258
Pb 220.353	28564.6x	28577.1x	28628.7x
Sb 206.834	3131.61	3141.97	3133.76
Se 196.026	9.2036	14.7133	13.6114
Sn 189.925	3229.40	3217.89	3241.45
Sr 216.596	108.883	108.278	109.512
Ti 334.941	224.797	224.663	224.790
Tl 190.794	-8.0406u	-7.3344u	2.9648u
V 292.401	71.9542	71.9712	72.0267
Zn 206.200	29805.3x	29859.4x	30015.3x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.2508b	ppb	0.2808	0.6	2715.60
Al 308.215	233119b	ppb	104.011	0.0	1597424
As 188.980	34.8773b	ppb	6.2371	17.9	17.0282
B 249.678	261.095b	ppb	0.5803	0.2	4497.80
Ba 389.178	682.983b	ppb	0.5493	0.1	18772.9
Be 313.042	3.4363b	ppb	0.0086	0.3	7344.96
Ca 370.602	88748b	ppb	130.4	0.1	441463
Cd 226.502	75.7619b	ppb	0.3474	0.5	3390.79
Co 228.615	14.2848b	ppb	0.3446	2.4	139.027
Cr 267.716	286.926b	ppb	0.8794	0.3	10111.4
Cu 324.754	244175xb	ppb	2443.28	1.0	13526291
Fe 271.441	55352.4b	ppb	80.0284	0.1	70582.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	1625.74b	ppb	4.9226	0.3	224236
Mg 279.078	9783.66b	ppb	19.3297	0.2	27374.5
Mn 257.610	957.175b	ppb	0.4770	0.0	177246
Mo 202.032	32.6824b	ppb	0.7198	2.2	249.716
Na 330.237	-1338.02b	ppb	324.622	24.3	-123.382
Ni 231.604	138.910b	ppb	0.5861	0.4	542.805
Pb 220.353	28590.1xb	ppb	33.9601	0.1	41137.2
Sb 206.834	3135.78b	ppb	5.4680	0.2	3461.06
Se 196.026	12.5094b	ppb	2.9155	23.3	15.6167
Sn 189.925	3229.58b	ppb	11.7813	0.4	2553.04
Sr 216.596	108.891b	ppb	0.6170	0.6	1274.23
Ti 334.941	224.750b	ppb	0.0758	0.0	101421
Tl 190.794	-4.1367b	ppb	6.1602	148.9	-19.6305
V 292.401	71.9840b	ppb	0.0379	0.1	3003.03
Zn 206.200	29893.3xb	ppb	109.000	0.4	96796.5

680-102304-A-1-A (Samp) **6/18/2014, 11:11:17 AM** **Rack 4, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	2.5862	2.7509	3.3559
Al 308.215	13998.4	13971.7	14010.1
As 188.980	5.0133	4.6464	2.5818
B 249.678	36.2069	35.5775	36.3607
Ba 389.178	724.684	723.475	725.888
Be 313.042	0.6263	0.6133	0.6259
Ca 370.602	12224	12230	12301
Cd 226.502	18.5559	18.5947	18.6913
Co 228.615	5.5822	6.0442	6.2473
Cr 267.716	67.0774	67.0430	67.1270
Cu 324.754	221.687	216.607	211.869
Fe 271.441	19491.1	19465.0	19586.1
K 766.491	3164.66	3159.17	3166.32
Mg 279.078	2666.10	2666.21	2672.24
Mn 257.610	5812.93	5827.07	5858.23
Mo 202.032	31.0276	31.3524	32.1841
Na 330.237	2383.92	2472.00	2350.97
Ni 231.604	30.6732	31.5431	30.3576
Pb 220.353	23.3783	23.8515	23.7864
Sb 206.834	-0.0378u	-3.9512u	-1.4199u
Se 196.026	-7.7697u	-0.2960	-8.8766u
Sn 189.925	32.9897	29.9292	31.1357
Sr 216.596	97.4928	97.2078	98.2734
Ti 334.941	220.824	220.337	222.402
Tl 190.794	-1.2025u	6.3101	4.2655
V 292.401	26.5170	26.7497	26.9148
Zn 206.200	355.662	352.031	355.818

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.8977	ppb	0.4053	14.0	161.687
Al 308.215	13993.4	ppb	19.7154	0.1	96263.4
As 188.980	4.0805	ppb	1.3108	32.1	-2.5370

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	36.0484	ppb	0.4149	1.2	677.983
Ba 389.178	724.682	ppb	1.2069	0.2	19807.3
Be 313.042	0.6218	ppb	0.0074	1.2	-1591.88
Ca 370.602	12252	ppb	42.83	0.3	60767
Cd 226.502	18.6139	ppb	0.0697	0.4	874.089
Co 228.615	5.9579	ppb	0.3408	5.7	49.7096
Cr 267.716	67.0825	ppb	0.0422	0.1	2364.02
Cu 324.754	216.721	ppb	4.9100	2.3	12203.0
Fe 271.441	19514.1	ppb	63.7133	0.3	24913.0
K 766.491	3163.38	ppb	3.7438	0.1	434264
Mg 279.078	2668.18	ppb	3.5149	0.1	7482.64
Mn 257.610	5832.74	ppb	23.1786	0.4	1078690
Mo 202.032	31.5214	ppb	0.5965	1.9	244.803
Na 330.237	2402.30	ppb	62.5716	2.6	248.588
Ni 231.604	30.8580	ppb	0.6140	2.0	124.526
Pb 220.353	23.6721	ppb	0.2565	1.1	34.8703
Sb 206.834	-1.8030	ppb	1.9847	110.1	6.3371
Se 196.026	-5.6474	ppb	4.6674	82.6	6.7349
Sn 189.925	31.3515	ppb	1.5416	4.9	14.9309
Sr 216.596	97.6580	ppb	0.5517	0.6	1096.26
Ti 334.941	221.188	ppb	1.0792	0.5	99770.9
Tl 190.794	3.1243	ppb	3.8841	124.3	-8.2316
V 292.401	26.7271	ppb	0.1999	0.7	1120.44
Zn 206.200	354.504	ppb	2.1430	0.6	1149.78

680-102304-A-2-A (Samp) **6/18/2014, 11:15:59 AM** **Rack 4, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	22.1735	22.4215	22.4267
Al 308.215	23534.6	23525.7	23525.6
As 188.980	13.5689	12.7976	16.6520
B 249.678	24.2053	24.4083	24.2464
Ba 389.178	1467.31	1471.16	1471.58
Be 313.042	1.5100	1.5144	1.5125
Ca 370.602	20454	20501	20499
Cd 226.502	3.1079	3.0712	3.2709
Co 228.615	8.6362	8.3409	9.0815
Cr 267.716	71.9274	71.7108	71.1202
Cu 324.754	1118.04	1106.31	1107.87
Fe 271.441	42432.3	42475.7	42491.0
K 766.491	1327.93	1325.12	1321.88
Mg 279.078	2670.46	2676.86	2676.52
Mn 257.610	1648.98	1649.50	1650.48
Mo 202.032	20.2242	20.1706	20.1688
Na 330.237	743.572	549.774	661.803
Ni 231.604	32.1569	31.8603	32.9269
Pb 220.353	126.194	122.942	126.323
Sb 206.834	10.3130	12.6685	7.3375
Se 196.026	20.0745	23.8226	18.8798
Sn 189.925	100.168	100.310	97.4391
Sr 216.596	176.492	175.268	175.660

Label	Replicates Concentration		
Ti 334.941	222.852	223.043	223.670
Tl 190.794	2.2062u	1.4379u	-0.1100u
V 292.401	44.2890	44.7333	44.4588
Zn 206.200	1892.23	1902.13	1901.44

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	22.3406	ppb	0.1447	0.6	1298.01
Al 308.215	23528.6	ppb	5.1731	0.0	161586
As 188.980	14.3395	ppb	2.0395	14.2	3.8748
B 249.678	24.2867	ppb	0.1074	0.4	461.169
Ba 389.178	1470.02	ppb	2.3524	0.2	40216.1
Be 313.042	1.5123	ppb	0.0022	0.1	1209.94
Ca 370.602	20485	ppb	26.91	0.1	101394
Cd 226.502	3.1500	ppb	0.1063	3.4	309.369
Co 228.615	8.6862	ppb	0.3728	4.3	79.9908
Cr 267.716	71.5861	ppb	0.4178	0.6	2522.54
Cu 324.754	1110.74	ppb	6.3688	0.6	61718.2
Fe 271.441	42466.3	ppb	30.4325	0.1	54162.0
K 766.491	1324.98	ppb	3.0281	0.2	183156
Mg 279.078	2674.62	ppb	3.6004	0.1	7441.79
Mn 257.610	1649.65	ppb	0.7599	0.0	305212
Mo 202.032	20.1879	ppb	0.0315	0.2	155.765
Na 330.237	651.716	ppb	97.2919	14.9	113.990
Ni 231.604	32.3147	ppb	0.5506	1.7	131.247
Pb 220.353	125.153	ppb	1.9155	1.5	180.032
Sb 206.834	10.1063	ppb	2.6715	26.4	19.7319
Se 196.026	20.9256	ppb	2.5790	12.3	18.7902
Sn 189.925	99.3059	ppb	1.6183	1.6	68.8589
Sr 216.596	175.807	ppb	0.6254	0.4	1976.44
Ti 334.941	223.189	ppb	0.4279	0.2	100679
Tl 190.794	1.1780	ppb	1.1798	100.1	-11.9903
V 292.401	44.4937	ppb	0.2242	0.5	1875.57
Zn 206.200	1898.60	ppb	5.5286	0.3	6150.30

680-102304-A-3-A (Samp) **6/18/2014, 11:20:41 AM** **Rack 4, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	9.0612	9.5248	9.5928
Al 308.215	19552.2	19568.4	19549.5
As 188.980	10.5473	12.7227	14.6618
B 249.678	36.6952	37.2144	37.0546
Ba 389.178	1082.93	1084.40	1082.45
Be 313.042	0.9543	0.9635	0.9694
Ca 370.602	17026	17068	17023
Cd 226.502	17.1897	17.1524	16.6478
Co 228.615	7.4767	8.8280	8.3412
Cr 267.716	80.6864	81.5110	81.2866
Cu 324.754	501.361	498.863	500.979
Fe 271.441	30120.3	30246.1	30140.1
K 766.491	3263.76	3271.44	3262.92
Mg 279.078	3219.72	3228.76	3219.42

Label	Replicates Concentration		
Mn 257.610	5660.98	5674.66	5654.67
Mo 202.032	34.0392	33.1036	33.9396
Na 330.237	2268.77	2553.91	2223.55
Ni 231.604	35.9088	36.0187	37.1156
Pb 220.353	54.6867	51.9176	54.6180
Sb 206.834	1.2114	-3.0959u	3.5298
Se 196.026	13.3737	8.9055	7.9060
Sn 189.925	55.4658	55.6231	52.3762
Sr 216.596	139.145	139.649	138.493
Ti 334.941	252.507	253.454	252.751
Tl 190.794	-1.0338u	2.1982	4.2914
V 292.401	36.9396	37.3706	36.5987
Zn 206.200	894.616	901.974	897.523

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.3929	ppb	0.2893	3.1	545.832
Al 308.215	19556.7	ppb	10.2589	0.1	134377
As 188.980	12.6439	ppb	2.0584	16.3	2.8969
B 249.678	36.9881	ppb	0.2659	0.7	685.267
Ba 389.178	1083.26	ppb	1.0151	0.1	29627.0
Be 313.042	0.9624	ppb	0.0076	0.8	-519.898
Ca 370.602	17039	ppb	25.13	0.1	84447
Cd 226.502	16.9966	ppb	0.3027	1.8	844.625
Co 228.615	8.2153	ppb	0.6844	8.3	74.5665
Cr 267.716	81.1613	ppb	0.4263	0.5	2860.03
Cu 324.754	500.401	ppb	1.3455	0.3	27911.6
Fe 271.441	30168.8	ppb	67.6455	0.2	38490.9
K 766.491	3266.04	ppb	4.6986	0.1	448285
Mg 279.078	3222.63	ppb	5.3058	0.2	9012.30
Mn 257.610	5663.43	ppb	10.2205	0.2	1047416
Mo 202.032	33.6941	ppb	0.5139	1.5	260.209
Na 330.237	2348.74	ppb	179.114	7.6	237.258
Ni 231.604	36.3477	ppb	0.6673	1.8	146.199
Pb 220.353	53.7408	ppb	1.5793	2.9	77.6485
Sb 206.834	0.5484	ppb	3.3623	613.1	8.9943
Se 196.026	10.0617	ppb	2.9115	28.9	14.1964
Sn 189.925	54.4883	ppb	1.8309	3.4	33.2923
Sr 216.596	139.096	ppb	0.5793	0.4	1561.29
Ti 334.941	252.904	ppb	0.4914	0.2	114091
Tl 190.794	1.8186	ppb	2.6828	147.5	-9.9060
V 292.401	36.9697	ppb	0.3868	1.0	1551.26
Zn 206.200	898.038	ppb	3.7058	0.4	2910.04

680-102304-C-4-A (Samp) **6/18/2014, 11:25:23 AM** **Rack 4, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	0.2059	0.4278	0.1607
Al 308.215	232567	232701	232518
As 188.980	12.2355	17.1984	17.7733
B 249.678	13.7596	14.3383	12.9342
Ba 389.178	344.383	343.642	343.086

Label	Replicates Concentration		
Be 313.042	2.0731	2.0849	2.0691
Ca 370.602	428482	429759	427509
Cd 226.502	0.3517	0.6089	0.3962
Co 228.615	14.3163	14.2492	14.1952
Cr 267.716	173.135	172.621	172.341
Cu 324.754	117.087	121.089	117.127
Fe 271.441	53980.9	53910.4	53693.0
K 766.491	2182.00	2185.14	2175.53
Mg 279.078	8631.02	8624.70	8602.36
Mn 257.610	5661.90	5654.19	5645.23
Mo 202.032	3.3015	3.6454	3.9529
Na 330.237	762.304	569.972u	571.182u
Ni 231.604	25.3416	24.0307	23.7896
Pb 220.353	21.2377	25.0018	28.7468
Sb 206.834	3.5431	1.4524	0.0666
Se 196.026	-12.2954u	-0.2320	5.2592
Sn 189.925	18.2827	17.5607	10.2590
Sr 216.596	228.351	228.913	228.820
Ti 334.941	937.045	937.281	935.323
Tl 190.794	-5.9168u	-7.5642u	3.8297u
V 292.401	146.722	146.379	145.261
Zn 206.200	98.9693	99.6604	98.9971

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2648	ppb	0.1429	54.0	0.4605
Al 308.215	232595	ppb	94.5362	0.0	1593841
As 188.980	15.7357	ppb	3.0449	19.4	4.6658
B 249.678	13.6774	ppb	0.7057	5.2	272.763
Ba 389.178	343.704	ppb	0.6507	0.2	9499.45
Be 313.042	2.0757	ppb	0.0082	0.4	3268.73
Ca 370.602	428583	ppb	1128	0.3	2135810
Cd 226.502	0.4523	ppb	0.1374	30.4	237.318
Co 228.615	14.2536	ppb	0.0607	0.4	153.413
Cr 267.716	172.699	ppb	0.4027	0.2	6085.77
Cu 324.754	118.434	ppb	2.2990	1.9	6283.11
Fe 271.441	53861.4	ppb	150.075	0.3	68684.2
K 766.491	2180.89	ppb	4.9003	0.2	300065
Mg 279.078	8619.36	ppb	15.0595	0.2	24108.3
Mn 257.610	5653.77	ppb	8.3442	0.1	1045741
Mo 202.032	3.6332	ppb	0.3259	9.0	28.0838
Na 330.237	634.486	ppb	110.695	17.4	100.898
Ni 231.604	24.3873	ppb	0.8352	3.4	101.355
Pb 220.353	24.9954	ppb	3.7546	15.0	23.0866
Sb 206.834	1.6874	ppb	1.7501	103.7	11.6458
Se 196.026	-2.4227	ppb	8.9800	370.7	11.8938
Sn 189.925	15.3674	ppb	4.4388	28.9	2.2453
Sr 216.596	228.695	ppb	0.3012	0.1	2699.63
Ti 334.941	936.550	ppb	1.0689	0.1	422725
Tl 190.794	-3.2171	ppb	6.1580	191.4	-17.6251
V 292.401	146.121	ppb	0.7640	0.5	6120.58
Zn 206.200	99.2089	ppb	0.3913	0.4	323.908

680-102325-B-8-A (Samp) **6/18/2014, 11:30:05 AM** **Rack 4, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	-0.9431u	-0.7788u	-1.1535u
Al 308.215	219002	219334	219187
As 188.980	23.6996	25.8460	20.9414
B 249.678	14.0392	14.0751	14.6570
Ba 389.178	587.591	587.739	586.040
Be 313.042	3.7981	3.7913	3.7822
Ca 370.602	28377	28317	28233
Cd 226.502	0.0804	0.4031	0.5229
Co 228.615	17.9811	17.8106	18.4137
Cr 267.716	203.698	203.467	202.690
Cu 324.754	116.288	115.148	116.870
Fe 271.441	62766.2	62602.4	62582.2
K 766.491	4361.54	4356.55	4371.85
Mg 279.078	8040.49	8011.69	8015.62
Mn 257.610	552.542	551.368	550.780
Mo 202.032	4.8743	5.6697	5.6136
Na 330.237	756.336u	734.469u	698.831u
Ni 231.604	71.6922	67.5252	66.6084
Pb 220.353	82.5539	74.6779	77.9625
Sb 206.834	-2.9195u	0.6939	-1.4726u
Se 196.026	-4.4790u	9.6188	-1.4131
Sn 189.925	20.9814	19.2297	20.3860
Sr 216.596	218.269	218.708	217.763
Ti 334.941	2764.82	2766.74	2765.76
Tl 190.794	1.1140u	0.5822u	-3.8404u
V 292.401	170.840	170.246	169.934
Zn 206.200	125.116	123.265	125.063

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9585	ppb	0.1878	19.6	-94.8993
Al 308.215	219174	ppb	166.150	0.1	1501898
As 188.980	23.4957	ppb	2.4587	10.5	9.5970
B 249.678	14.2571	ppb	0.3468	2.4	275.307
Ba 389.178	587.123	ppb	0.9408	0.2	16166.1
Be 313.042	3.7905	ppb	0.0080	0.2	8423.11
Ca 370.602	28309	ppb	72.32	0.3	140755
Cd 226.502	0.3355	ppb	0.2289	68.2	264.217
Co 228.615	18.0685	ppb	0.3109	1.7	229.879
Cr 267.716	203.285	ppb	0.5282	0.3	7163.14
Cu 324.754	116.102	ppb	0.8762	0.8	6554.02
Fe 271.441	62650.3	ppb	100.907	0.2	79884.8
K 766.491	4363.31	ppb	7.8021	0.2	598162
Mg 279.078	8022.60	ppb	15.6186	0.2	22409.4
Mn 257.610	551.563	ppb	0.8974	0.2	102250
Mo 202.032	5.3858	ppb	0.4439	8.2	40.4689
Na 330.237	729.879	ppb	29.0258	4.0	70.5765
Ni 231.604	68.6086	ppb	2.7096	3.9	272.191
Pb 220.353	78.3981	ppb	3.9560	5.0	99.8577
Sb 206.834	-1.2327	ppb	1.8186	147.5	8.6428
Se 196.026	1.2422	ppb	7.4145	596.9	10.1771

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	20.1990	ppb	0.8907	4.4	6.0795
Sr 216.596	218.246	ppb	0.4728	0.2	2461.83
Ti 334.941	2765.78	ppb	0.9593	0.0	1248436
Tl 190.794	-0.7147	ppb	2.7199	380.6	-16.7885
V 292.401	170.340	ppb	0.4603	0.3	7160.59
Zn 206.200	124.481	ppb	1.0536	0.8	405.929

Cont Calib Verif (CCV) **6/18/2014, 11:34:47 AM** **Rack 4, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	484.297	485.167	482.936
Al 308.215	4789.77	4788.20	4772.43
As 188.980	464.181	467.682	458.635
B 249.678	474.473	474.450	474.250
Ba 389.178	4881.90	4867.81	4851.91
Be 313.042	484.391	483.682	481.775
Ca 370.602	4934	4922	4901
Cd 226.502	488.378	486.292	486.298
Co 228.615	490.643	487.755	486.502
Cr 267.716	4848.99	4836.90	4821.60
Cu 324.754	4905.96	4902.21	4908.88
Fe 271.441	4835.15	4831.91	4808.97
K 766.491	9748.51	9750.12	9721.74
Mg 279.078	4780.46	4765.96	4761.37
Mn 257.610	4934.76	4910.91	4901.31
Mo 202.032	488.170	486.684	486.379
Na 330.237	7075.36	7235.08	7075.58
Ni 231.604	2414.36	2404.21	2402.89
Pb 220.353	493.378	489.148	492.239
Sb 206.834	948.615	959.686	952.755
Se 196.026	4835.69	4849.20	4818.72
Sn 189.925	4862.46	4815.29	4803.43
Sr 216.596	2365.42	2364.89	2350.76
Ti 334.941	482.110	481.884	480.067
Tl 190.794	4894.39	4883.41	4872.99
V 292.401	4857.44	4848.34	4840.24
Zn 206.200	2406.10	2407.58	2395.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	484.134	ppb	1.1245	0.2	28773.9	96.82677
Al 308.215	4783.47	ppb	9.5884	0.2	33495.9	95.66936
As 188.980	463.499	ppb	4.5618	1.0	294.559	92.69984
B 249.678	474.391	ppb	0.1227	0.0	8102.99	94.87814
Ba 389.178	4867.21	ppb	15.0011	0.3	132933	97.34415
Be 313.042	483.283	ppb	1.3530	0.3	1509514	96.65654
Ca 370.602	4919	ppb	16.94	0.3	24553	98.38168
Cd 226.502	486.989	ppb	1.2023	0.2	20399.6	97.39783
Co 228.615	488.300	ppb	2.1236	0.4	5092.20	97.66001
Cr 267.716	4835.83	ppb	13.7304	0.3	170345	96.71659
Cu 324.754	4905.68	ppb	3.3465	0.1	271884	98.11366
Fe 271.441	4825.34	ppb	14.2715	0.3	6264.39	96.50681

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9740.12	ppb	15.9392	0.2	1332583	97.40124
Mg 279.078	4769.26	ppb	9.9640	0.2	13421.2	95.38529
Mn 257.610	4915.66	ppb	17.2257	0.4	909077	98.31324
Mo 202.032	487.077	ppb	0.9584	0.2	3720.99	97.41550
Na 330.237	7128.68	ppb	92.1513	1.3	562.534	95.04904
Ni 231.604	2407.15	ppb	6.2799	0.3	9281.36	96.28610
Pb 220.353	491.588	ppb	2.1890	0.4	711.610	98.31767
Sb 206.834	953.685	ppb	5.5937	0.6	1086.14	95.36852
Se 196.026	4834.54	ppb	15.2759	0.3	2218.87	96.69072
Sn 189.925	4827.06	ppb	31.2279	0.6	3820.79	96.54123
Sr 216.596	2360.36	ppb	8.3130	0.4	25700.2	94.41426
Ti 334.941	481.354	ppb	1.1198	0.2	217212	96.27077
Tl 190.794	4883.60	ppb	10.6992	0.2	3578.25	97.67191
V 292.401	4848.67	ppb	8.6038	0.2	201421	96.97350
Zn 206.200	2402.91	ppb	6.8411	0.3	7764.01	96.11648

Cont Calib Blank (CCB) **6/18/2014, 11:39:28 AM** **Rack 4, Tube 50**

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

Label	Replicates		Concentration
Ag 328.068	0.3645	0.4900	-0.2673u
Al 308.215	-3.7619u	-0.9642u	-3.0655u
As 188.980	2.8897	-0.1266u	1.6563
B 249.678	2.0209	1.8790	1.4461
Ba 389.178	0.9534	0.2154	1.0060
Be 313.042	0.2153	0.1897	0.1925
Ca 370.602	3.270	6.096	2.296
Cd 226.502	0.0687	0.1511	0.0333
Co 228.615	0.2385	0.3657	0.1131
Cr 267.716	0.4586	0.6057	0.4457
Cu 324.754	0.8363	0.8332	1.0157
Fe 271.441	-1.0650u	-0.4638u	6.0381
K 766.491	-0.2593u	-0.1885u	-0.3285u
Mg 279.078	1.5675	0.4312	1.9449
Mn 257.610	0.5379	0.4822	0.4187
Mo 202.032	0.5941	0.6648	0.1896
Na 330.237	158.571	214.093	114.634
Ni 231.604	2.2600	1.6654	1.2700
Pb 220.353	2.6868	1.6502	-1.7577u
Sb 206.834	-3.2751u	-1.7944u	-1.7717u
Se 196.026	-7.3938u	-0.8413u	-1.8604u
Sn 189.925	-0.1415u	2.2913	6.4215
Sr 216.596	0.3946	0.0182	0.4059
Ti 334.941	0.2289	0.1940	0.1817
Tl 190.794	-2.0235u	-2.7311u	-1.8916u
V 292.401	0.6189	0.1742	0.2764
Zn 206.200	-0.2042u	-0.0587u	-0.7344u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1957	ppb	0.4059	207.3	-19.6566	0.19575
Al 308.215	-2.5972	ppb	1.4565	56.1	377.491	-2.59718
As 188.980	1.4731	ppb	1.5165	102.9	-4.0498	1.47313

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	1.7820	ppb	0.2994	16.8	115.436	1.78202
Ba 389.178	0.7250	ppb	0.4421	61.0	-18.5840	0.72496
Be 313.042	0.1992	ppb	0.0140	7.0	-2923.22	0.19916
Ca 370.602	3.887	ppb	1.974	50.8	1.608	3.88705
Cd 226.502	0.0844	ppb	0.0605	71.7	29.9763	0.08438
Co 228.615	0.2391	ppb	0.1263	52.8	-14.8850	0.23911
Cr 267.716	0.5033	ppb	0.0889	17.7	18.1406	0.50333
Cu 324.754	0.8951	ppb	0.1045	11.7	265.123	0.89509
Fe 271.441	1.5031	ppb	3.9389	262.1	47.2946	1.50309
K 766.491	-0.2588	ppb	0.0700	27.0	2141.04	-0.25876
Mg 279.078	1.3145	ppb	0.7879	59.9	42.9283	1.31453
Mn 257.610	0.4796	ppb	0.0597	12.4	104.379	0.47960
Mo 202.032	0.4828	ppb	0.2564	53.1	10.0280	0.48284
Na 330.237	162.433	ppb	49.8421	30.7	112.465	162.43288
Ni 231.604	1.7318	ppb	0.4984	28.8	11.3377	1.73180
Pb 220.353	0.8598	ppb	2.3253	270.5	3.2464	0.85977
Sb 206.834	-2.2804	ppb	0.8615	37.8	5.9477	-2.28041
Se 196.026	-3.3652	ppb	3.5259	104.8	6.1601	-3.36515
Sn 189.925	2.8571	ppb	3.3179	116.1	-7.6828	2.85710
Sr 216.596	0.2729	ppb	0.2206	80.8	9.8386	0.27290
Ti 334.941	0.2015	ppb	0.0245	12.1	6.3417	0.20153
Tl 190.794	-2.2154	ppb	0.4514	20.4	-12.1226	-2.21539
V 292.401	0.3565	ppb	0.2329	65.3	23.6666	0.35649
Zn 206.200	-0.3324	ppb	0.3556	107.0	0.4082	-0.33243

680-102325-C-9-A (Samp) **6/18/2014, 11:44:10 AM** **Rack 4, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-1.1211u	-1.2824u	-1.1701u
Al 308.215	218296	218108	218223
As 188.980	89.5932	84.2437	91.1760
B 249.678	13.3516	13.4253	13.3702
Ba 389.178	447.839	447.657	447.149
Be 313.042	3.6780	3.6764	3.6799
Ca 370.602	15579	15564	15568
Cd 226.502	-0.1622	-0.4064	-0.3393
Co 228.615	30.2396	29.8504	28.9867
Cr 267.716	364.487	364.159	363.582
Cu 324.754	143.889	143.405	141.919
Fe 271.441	140940	140628	140640
K 766.491	9927.92	9926.38	9915.66
Mg 279.078	26042.6	26000.5	25969.8
Mn 257.610	620.024	620.269	619.634
Mo 202.032	5.0603	5.0980	5.2222
Na 330.237	1343.22u	895.552u	1423.97u
Ni 231.604	100.933	102.209	104.023
Pb 220.353	68.7645	63.7330	63.3925
Sb 206.834	0.0472	3.0965	-0.6490
Se 196.026	1.0359	-12.6852u	-2.2234
Sn 189.925	21.7330	20.4834	22.0874
Sr 216.596	133.128	133.204	131.107

Label	Replicates Concentration		
Ti 334.941	5932.86	5942.40	5935.54
Tl 190.794	-3.5813u	-0.8354u	-5.5807u
V 292.401	390.829	390.293	390.404
Zn 206.200	227.384	226.941	231.221

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1912	ppb	0.0827	6.9	-120.313
Al 308.215	218209	ppb	94.7397	0.0	1495299
As 188.980	88.3376	ppb	3.6327	4.1	50.7646
B 249.678	13.3823	ppb	0.0383	0.3	197.499
Ba 389.178	447.548	ppb	0.3576	0.1	12590.2
Be 313.042	3.6781	ppb	0.0018	0.0	8151.75
Ca 370.602	15570	ppb	7.867	0.1	76739
Cd 226.502	-0.3026	ppb	0.1262	41.7	516.050
Co 228.615	29.6922	ppb	0.6413	2.2	418.565
Cr 267.716	364.076	ppb	0.4582	0.1	12826.4
Cu 324.754	143.071	ppb	1.0266	0.7	7990.64
Fe 271.441	140736	ppb	176.669	0.1	179394
K 766.491	9923.32	ppb	6.6761	0.1	1357606
Mg 279.078	26004.3	ppb	36.5744	0.1	72710.3
Mn 257.610	619.975	ppb	0.3203	0.1	115257
Mo 202.032	5.1268	ppb	0.0847	1.7	29.7942
Na 330.237	1220.91	ppb	284.649	23.3	9.0399
Ni 231.604	102.388	ppb	1.5527	1.5	406.116
Pb 220.353	65.2967	ppb	3.0080	4.6	78.6589
Sb 206.834	0.8316	ppb	1.9921	239.6	12.2340
Se 196.026	-4.6242	ppb	7.1687	155.0	9.4370
Sn 189.925	21.4346	ppb	0.8426	3.9	7.0597
Sr 216.596	132.480	ppb	1.1890	0.9	1595.73
Ti 334.941	5936.93	ppb	4.9192	0.1	2679957
Tl 190.794	-3.3325	ppb	2.3824	71.5	-22.3311
V 292.401	390.509	ppb	0.2831	0.1	16410.0
Zn 206.200	228.515	ppb	2.3535	1.0	744.847

680-102325-C-10-A (Samp) **6/18/2014, 11:48:52 AM** **Rack 4, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	-1.2945u	-1.5129u	-1.1587u
Al 308.215	270603	270600	270981
As 188.980	54.0826	42.9949	44.3807
B 249.678	15.5985	15.5753	14.6616
Ba 389.178	1185.54	1182.67	1186.47
Be 313.042	6.8078	6.7985	6.7800
Ca 370.602	46125	46094	46108
Cd 226.502	0.3989	0.3479	0.1264
Co 228.615	28.6607	29.8082	27.4135
Cr 267.716	265.819	265.621	265.696
Cu 324.754	67.5807	67.7535	67.6073
Fe 271.441	115204	115044	115366
K 766.491	8448.85	8464.78	8455.77
Mg 279.078	13512.8	13490.1	13522.3

Label	Replicates Concentration		
Mn 257.610	1961.83	1959.91	1963.60
Mo 202.032	15.2850	15.1883	15.3092
Na 330.237	1105.13u	1071.35u	961.473u
Ni 231.604	108.699	109.085	110.664
Pb 220.353	91.1299	92.6218	100.485
Sb 206.834	0.9975	-2.7413u	-7.3560u
Se 196.026	1.0905	-2.8203	-1.3230
Sn 189.925	23.3058	20.3647	17.9044
Sr 216.596	358.736	359.189	359.079
Ti 334.941	3111.53	3112.50	3114.53
Tl 190.794	-9.3583u	2.9641u	-2.7271u
V 292.401	239.580	238.934	239.271
Zn 206.200	220.167	221.890	222.602

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3220	ppb	0.1787	13.5	-116.930
Al 308.215	270728	ppb	218.795	0.1	1855082
As 188.980	47.1527	ppb	6.0413	12.8	24.3970
B 249.678	15.2785	ppb	0.5344	3.5	250.165
Ba 389.178	1184.89	ppb	1.9816	0.2	32629.7
Be 313.042	6.7954	ppb	0.0141	0.2	17861.1
Ca 370.602	46109	ppb	15.49	0.0	228637
Cd 226.502	0.2911	ppb	0.1449	49.8	449.439
Co 228.615	28.6275	ppb	1.1977	4.2	350.046
Cr 267.716	265.712	ppb	0.0998	0.0	9362.44
Cu 324.754	67.6472	ppb	0.0931	0.1	3842.33
Fe 271.441	115204	ppb	161.035	0.1	146857
K 766.491	8456.46	ppb	7.9865	0.1	1157247
Mg 279.078	13508.4	ppb	16.5266	0.1	37681.4
Mn 257.610	1961.78	ppb	1.8438	0.1	363219
Mo 202.032	15.2608	ppb	0.0640	0.4	110.052
Na 330.237	1045.98	ppb	75.1124	7.2	59.6560
Ni 231.604	109.483	ppb	1.0410	1.0	432.254
Pb 220.353	94.7455	ppb	5.0261	5.3	119.421
Sb 206.834	-3.0333	ppb	4.1844	138.0	6.9602
Se 196.026	-1.0176	ppb	1.9732	193.9	10.8681
Sn 189.925	20.5250	ppb	2.7043	13.2	6.3381
Sr 216.596	359.002	ppb	0.2364	0.1	4056.86
Ti 334.941	3112.85	ppb	1.5330	0.0	1405135
Tl 190.794	-3.0404	ppb	6.1672	202.8	-21.8159
V 292.401	239.262	ppb	0.3232	0.1	10055.6
Zn 206.200	221.553	ppb	1.2522	0.6	721.801

680-102325-C-11-A (Samp) **6/18/2014, 11:53:34 AM** **Rack 4, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	-0.3873u	-0.4239u	-0.8251u
Al 308.215	219416	219832	219775
As 188.980	26.8314	26.2602	15.3694
B 249.678	10.2911	9.5174	10.5911
Ba 389.178	670.293	669.330	668.776

Label	Replicates Concentration		
Be 313.042	3.5275	3.5265	3.5199
Ca 370.602	8874	8876	8884
Cd 226.502	-0.1549	0.0424	0.0921
Co 228.615	30.1993	29.9026	30.5513
Cr 267.716	222.767	222.552	222.181
Cu 324.754	52.8531	53.0055	52.3580
Fe 271.441	87525.7	87493.1	87556.7
K 766.491	4905.76	4906.65	4902.62
Mg 279.078	13205.6	13202.4	13213.4
Mn 257.610	998.120	998.710	998.340
Mo 202.032	4.2305	3.7090	3.9906
Na 330.237	1161.90u	1246.99u	1138.64u
Ni 231.604	102.368	102.614	102.612
Pb 220.353	65.2371	66.8107	69.7710
Sb 206.834	-2.7488u	-5.4625u	-4.2622u
Se 196.026	0.7741	-1.8832	9.0386
Sn 189.925	19.2315	22.7581	20.8158
Sr 216.596	214.845	215.557	216.029
Ti 334.941	3847.53	3847.31	3846.41
Tl 190.794	-0.0601u	3.9381u	4.7322u
V 292.401	191.435	191.644	191.730
Zn 206.200	174.927	172.276	174.672

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5454	ppb	0.2429	44.5	-72.5683
Al 308.215	219675	ppb	225.682	0.1	1505328
As 188.980	22.8203	ppb	6.4590	28.3	8.9285
B 249.678	10.1332	ppb	0.5540	5.5	185.540
Ba 389.178	669.466	ppb	0.7674	0.1	18488.7
Be 313.042	3.5246	ppb	0.0041	0.1	7589.45
Ca 370.602	8878	ppb	5.056	0.1	43747
Cd 226.502	-0.0068	ppb	0.1306	1918.8	338.927
Co 228.615	30.2177	ppb	0.3248	1.1	379.913
Cr 267.716	222.500	ppb	0.2964	0.1	7839.97
Cu 324.754	52.7389	ppb	0.3385	0.6	3041.81
Fe 271.441	87525.2	ppb	31.8278	0.0	111585
K 766.491	4905.01	ppb	2.1151	0.0	672153
Mg 279.078	13207.1	ppb	5.6773	0.0	36906.0
Mn 257.610	998.390	ppb	0.2980	0.0	184987
Mo 202.032	3.9767	ppb	0.2611	6.6	26.9616
Na 330.237	1182.51	ppb	57.0404	4.8	69.5253
Ni 231.604	102.531	ppb	0.1418	0.1	404.118
Pb 220.353	67.2729	ppb	2.3021	3.4	82.9932
Sb 206.834	-4.1578	ppb	1.3599	32.7	5.6183
Se 196.026	2.6432	ppb	5.6957	215.5	11.4091
Sn 189.925	20.9352	ppb	1.7663	8.4	6.6636
Sr 216.596	215.477	ppb	0.5962	0.3	2448.41
Ti 334.941	3847.08	ppb	0.5956	0.0	1736555
Tl 190.794	2.8701	ppb	2.5684	89.5	-15.2569
V 292.401	191.603	ppb	0.1519	0.1	8075.67
Zn 206.200	173.958	ppb	1.4623	0.8	566.913

680-102325-B-12-A (Samp) **6/18/2014, 11:58:16 AM** **Rack 4, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.9504u	-0.6775u	-0.0107u
Al 308.215	172069	172073	171928
As 188.980	29.6876	42.7382	39.7944
B 249.678	15.9290	16.1125	16.8806
Ba 389.178	800.843	796.907	798.835
Be 313.042	4.6082	4.6022	4.6044
Ca 370.602	124708	124853	123742
Cd 226.502	0.4898	0.1886	0.5387
Co 228.615	24.1362	24.3639	24.1000
Cr 267.716	180.104	180.652	179.872
Cu 324.754	57.4213	56.7696	56.8252
Fe 271.441	79509.5	79466.7	79384.3
K 766.491	6536.42	6527.74	6531.57
Mg 279.078	9902.99	9871.27	9881.40
Mn 257.610	1420.31	1419.74	1419.90
Mo 202.032	3.8794	3.9510	4.1688
Na 330.237	1285.48	1324.54	1281.23
Ni 231.604	79.1871	81.3102	79.4877
Pb 220.353	61.1771	67.7329	65.9216
Sb 206.834	-2.8562u	-1.8698u	1.4660
Se 196.026	6.0330	-4.9664	7.2350
Sn 189.925	23.2727	15.8652	21.4621
Sr 216.596	788.919	787.879	787.406
Ti 334.941	2355.78	2356.95	2354.31
Tl 190.794	-7.5104u	-9.7348u	-7.7094u
V 292.401	166.665	166.926	166.572
Zn 206.200	150.848	151.313	149.610

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5462	ppb	0.4834	88.5	-68.7670
Al 308.215	172024	ppb	82.5568	0.0	1178884
As 188.980	37.4067	ppb	6.8451	18.3	18.4296
B 249.678	16.3074	ppb	0.5049	3.1	296.489
Ba 389.178	798.861	ppb	1.9679	0.2	21993.0
Be 313.042	4.6049	ppb	0.0030	0.1	11012.3
Ca 370.602	124434	ppb	603.8	0.5	619531
Cd 226.502	0.4057	ppb	0.1896	46.7	326.528
Co 228.615	24.2000	ppb	0.1431	0.6	286.909
Cr 267.716	180.209	ppb	0.4004	0.2	6349.72
Cu 324.754	57.0054	ppb	0.3613	0.6	3183.82
Fe 271.441	79453.5	ppb	63.6372	0.1	101298
K 766.491	6531.91	ppb	4.3510	0.1	894372
Mg 279.078	9885.22	ppb	16.2042	0.2	27597.7
Mn 257.610	1419.98	ppb	0.2957	0.0	262901
Mo 202.032	3.9997	ppb	0.1507	3.8	28.0633
Na 330.237	1297.08	ppb	23.8731	1.8	107.828
Ni 231.604	79.9950	ppb	1.1489	1.4	316.845
Pb 220.353	64.9438	ppb	3.3855	5.2	83.2004
Sb 206.834	-1.0867	ppb	2.2650	208.4	8.6498
Se 196.026	2.7672	ppb	6.7244	243.0	12.1105

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	20.2000	ppb	3.8617	19.1	6.0804
Sr 216.596	788.068	ppb	0.7738	0.1	8740.59
Ti 334.941	2355.68	ppb	1.3235	0.1	1063324
Tl 190.794	-8.3182	ppb	1.2309	14.8	-22.5941
V 292.401	166.721	ppb	0.1834	0.1	7014.75
Zn 206.200	150.591	ppb	0.8803	0.6	491.127

680-102325-D-13-A (Samp) **6/18/2014, 12:02:58 PM** **Rack 4, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-0.3027u	-0.1784u	-0.9170u
Al 308.215	203640	203817	203949
As 188.980	8.7777	7.4267	13.7058
B 249.678	12.7389	12.4425	12.1809
Ba 389.178	498.707	497.935	497.127
Be 313.042	2.2520	2.2395	2.2339
Ca 370.602	19152	19132	19141
Cd 226.502	0.2586	0.1804	0.1231
Co 228.615	34.7165	35.4327	33.3848
Cr 267.716	239.481	239.741	239.123
Cu 324.754	67.9812	67.2920	67.6827
Fe 271.441	68149.5	68188.4	68164.1
K 766.491	5012.51	5021.91	5018.58
Mg 279.078	16604.4	16616.1	16627.8
Mn 257.610	443.734	441.285	441.446
Mo 202.032	1.7690	0.9526u	1.9666
Na 330.237	1275.28u	1260.85u	1398.65u
Ni 231.604	98.4800	98.8170	96.6302
Pb 220.353	55.2034	55.6566	54.4859
Sb 206.834	-0.2203	1.7204	3.4187
Se 196.026	7.3015	-14.7450u	-6.6277u
Sn 189.925	24.5795	20.1828	20.5253
Sr 216.596	194.804	194.253	193.108
Ti 334.941	5265.82	5255.45	5251.97
Tl 190.794	-1.8499u	-0.8295u	1.6184u
V 292.401	167.569	167.551	168.085
Zn 206.200	174.161	173.784	172.166

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4660	ppb	0.3955	84.9	-69.5544
Al 308.215	203802	ppb	155.030	0.1	1396588
As 188.980	9.9701	ppb	3.3050	33.1	0.8063
B 249.678	12.4541	ppb	0.2792	2.2	240.479
Ba 389.178	497.923	ppb	0.7903	0.2	13770.2
Be 313.042	2.2418	ppb	0.0092	0.4	3572.45
Ca 370.602	19141	ppb	10.08	0.1	95665
Cd 226.502	0.1874	ppb	0.0680	36.3	277.727
Co 228.615	34.5114	ppb	1.0392	3.0	451.377
Cr 267.716	239.448	ppb	0.3107	0.1	8437.35
Cu 324.754	67.6519	ppb	0.3456	0.5	3826.64
Fe 271.441	68167.4	ppb	19.6328	0.0	86917.1

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
K 766.491	5017.66	ppb	4.7673	0.1	687540
Mg 279.078	16616.1	ppb	11.6924	0.1	46530.1
Mn 257.610	442.155	ppb	1.3697	0.3	82098.2
Mo 202.032	1.5627	ppb	0.5376	34.4	10.6837
Na 330.237	1311.59	ppb	75.7349	5.8	63.0881
Ni 231.604	97.9757	ppb	1.1774	1.2	385.619
Pb 220.353	55.1153	ppb	0.5903	1.1	66.1598
Sb 206.834	1.6396	ppb	1.8208	111.1	12.1785
Se 196.026	-4.6904	ppb	11.1502	237.7	7.5260
Sn 189.925	21.7625	ppb	2.4455	11.2	7.3202
Sr 216.596	194.055	ppb	0.8649	0.4	2198.42
Ti 334.941	5257.75	ppb	7.2040	0.1	2373334
Tl 190.794	-0.3536	ppb	1.7824	504.0	-16.1014
V 292.401	167.735	ppb	0.3033	0.2	7093.52
Zn 206.200	173.370	ppb	1.0596	0.6	564.281

680-102328-A-2-A (Samp) **6/18/2014, 12:07:40 PM** **Rack 4, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	39.0644	40.3073	39.7777
Al 308.215	147536	147599	147828
As 188.980	204.932	199.928	193.379
B 249.678	23.6540	21.6956	22.8815
Ba 389.178	1579.91	1581.66	1585.03
Be 313.042	13.5248	13.5311	13.5747
Ca 370.602	44015	44056	44069
Cd 226.502	57.1570	57.3238	56.9791
Co 228.615	105.077	104.965	104.453
Cr 267.716	590.652	591.429	592.420
Cu 324.754	18556.9	18523.9	18527.6
Fe 271.441	420669	419362	423582
K 766.491	7245.73	7249.02	7280.00
Mg 279.078	25334.5	25320.0	25421.7
Mn 257.610	4377.47	4375.66	4383.76
Mo 202.032	37.7272	37.8835	36.8706
Na 330.237	-506.631u	-773.874u	-658.064u
Ni 231.604	356.861	354.735	356.341
Pb 220.353	3006.26	3008.69	3008.88
Sb 206.834	53.3575	52.9816	59.0601
Se 196.026	-6.2663	-14.7767	-6.6326
Sn 189.925	528.079	526.130	539.833
Sr 216.596	167.121	166.342	168.300
Ti 334.941	958.409	958.523	959.082
Tl 190.794	-0.1145u	4.8250u	0.1491u
V 292.401	545.258	544.621	545.772
Zn 206.200	10748.1	10747.0	10799.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	39.7165	ppb	0.6237	1.6	2299.39
Al 308.215	147655	ppb	153.741	0.1	1011965
As 188.980	199.413	ppb	5.7938	2.9	119.933

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	22.7437	ppb	0.9865	4.3	129.828
Ba 389.178	1582.20	ppb	2.6027	0.2	44215.8
Be 313.042	13.5435	ppb	0.0272	0.2	39060.9
Ca 370.602	44047	ppb	27.94	0.1	212189
Cd 226.502	57.1533	ppb	0.1724	0.3	3917.13
Co 228.615	104.832	ppb	0.3329	0.3	1123.57
Cr 267.716	591.500	ppb	0.8865	0.1	20837.7
Cu 324.754	18536.1	ppb	18.0992	0.1	1026958
Fe 271.441	421204	ppb	2160.03	0.5	536807
K 766.491	7258.25	ppb	18.9091	0.3	993583
Mg 279.078	25358.7	ppb	55.0240	0.2	70176.0
Mn 257.610	4378.96	ppb	4.2499	0.1	811162
Mo 202.032	37.4938	ppb	0.5453	1.5	246.012
Na 330.237	-646.190	ppb	134.016	20.7	-203.959
Ni 231.604	355.979	ppb	1.1083	0.3	1396.82
Pb 220.353	3007.94	ppb	1.4604	0.0	4316.13
Sb 206.834	55.1331	ppb	3.4061	6.2	73.1949
Se 196.026	-9.2252	ppb	4.8112	52.2	15.4266
Sn 189.925	531.347	ppb	7.4133	1.4	411.725
Sr 216.596	167.254	ppb	0.9856	0.6	2250.84
Ti 334.941	958.671	ppb	0.3606	0.0	432813
Tl 190.794	1.6199	ppb	2.7789	171.6	-34.1486
V 292.401	545.217	ppb	0.5765	0.1	22892.0
Zn 206.200	10764.7	ppb	29.7105	0.3	34869.5

680-102328-A-3-A (Samp) **6/18/2014, 12:12:22 PM** **Rack 4, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	1.8505	1.1373	2.1672
Al 308.215	83905.5	83955.1	83892.1
As 188.980	267.050	264.680	263.867
B 249.678	34.9230	34.9471	34.5268
Ba 389.178	2512.47	2511.28	2519.31
Be 313.042	11.2258	11.2313	11.2534
Ca 370.602	28721	28722	28839
Cd 226.502	8.1454	7.8765	8.0672
Co 228.615	79.7274	79.8934	80.1056
Cr 267.716	326.790	327.136	328.225
Cu 324.754	925.442	932.779	941.083
Fe 271.441	421101	421151	422872
K 766.491	7075.92	7087.74	7073.82
Mg 279.078	6307.92	6297.44	6339.14
Mn 257.610	9769.62	9771.49	9837.67
Mo 202.032	27.7234	27.6806	28.5738
Na 330.237	418.226u	565.304u	644.017u
Ni 231.604	129.337	127.540	129.205
Pb 220.353	1755.04	1753.79	1762.23
Sb 206.834	16.3835	14.4061	16.9476
Se 196.026	3.3848	3.2777	-5.7838
Sn 189.925	169.497	158.985	168.450
Sr 216.596	531.124	528.690	532.459

Label	Replicates Concentration		
Ti 334.941	1464.14	1467.65	1466.76
Tl 190.794	2.8249u	4.1845u	4.1211u
V 292.401	522.648	523.913	524.344
Zn 206.200	3545.19	3552.78	3578.22

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.7183	ppb	0.5275	30.7	61.8816
Al 308.215	83917.6	ppb	33.1840	0.0	575321
As 188.980	265.199	ppb	1.6537	0.6	162.434
B 249.678	34.7989	ppb	0.2360	0.7	332.684
Ba 389.178	2514.35	ppb	4.3334	0.2	69612.7
Be 313.042	11.2368	ppb	0.0146	0.1	31817.4
Ca 370.602	28761	ppb	67.98	0.2	136134
Cd 226.502	8.0297	ppb	0.1383	1.7	1863.19
Co 228.615	79.9088	ppb	0.1895	0.2	872.805
Cr 267.716	327.384	ppb	0.7491	0.2	11530.8
Cu 324.754	933.101	ppb	7.8257	0.8	51836.1
Fe 271.441	421708	ppb	1008.57	0.2	537448
K 766.491	7079.16	ppb	7.5061	0.1	969121
Mg 279.078	6314.83	ppb	21.6921	0.3	16691.2
Mn 257.610	9792.93	ppb	38.7604	0.4	1812176
Mo 202.032	27.9926	ppb	0.5038	1.8	173.508
Na 330.237	542.516	ppb	114.608	21.1	-107.800
Ni 231.604	128.694	ppb	1.0016	0.8	520.876
Pb 220.353	1757.02	ppb	4.5564	0.3	2519.08
Sb 206.834	15.9124	ppb	1.3346	8.4	28.1210
Se 196.026	0.2929	ppb	5.2629	1796.9	20.6255
Sn 189.925	165.644	ppb	5.7906	3.5	121.503
Sr 216.596	530.757	ppb	1.9110	0.4	6232.25
Ti 334.941	1466.18	ppb	1.8218	0.1	661848
Tl 190.794	3.7102	ppb	0.7673	20.7	-30.5245
V 292.401	523.635	ppb	0.8811	0.2	22026.9
Zn 206.200	3558.73	ppb	17.2989	0.5	11537.7

680-102328-A-4-A (Samp) **6/18/2014, 12:17:04 PM** **Rack 4, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	-3.2339u	-3.4201u	-3.3688u
Al 308.215	158010	158068	157935
As 188.980	289.116	294.332	293.562
B 249.678	8.6644u	7.6870u	7.7343u
Ba 389.178	6319.87	6340.40	6331.09
Be 313.042	25.3737	25.4358	25.4447
Ca 370.602	12902	12980	12928
Cd 226.502	2.1046	2.1962	1.1801
Co 228.615	268.442	264.691	264.816
Cr 267.716	641.985	644.544	642.733
Cu 324.754	109.341	107.884	108.387
Fe 271.441	888603	896573	895272
K 766.491	5032.91	5010.53	5018.08
Mg 279.078	8045.32	8078.05	8056.37

Label	Replicates Concentration		
Mn 257.610	46662.8x	46923.7x	46817.2x
Mo 202.032	12.7420u	13.2602	15.6147
Na 330.237	-281.058u	-166.396u	104.536u
Ni 231.604	117.397	121.072	115.876
Pb 220.353	631.074	632.036	640.227
Sb 206.834	3.0320	9.4476	15.1725
Se 196.026	-12.3685	-26.2560	-16.9054
Sn 189.925	44.7015	39.4496	48.1192
Sr 216.596	144.428	145.522	144.903
Ti 334.941	951.241	951.492	951.695
Tl 190.794	17.1118u	20.4655u	20.2408u
V 292.401	1435.73	1438.85	1437.48
Zn 206.200	630.904	633.549	634.111

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.3409b	ppb	0.0962	2.9	-142.332
Al 308.215	158005b	ppb	66.8181	0.0	1082922
As 188.980	292.337b	ppb	2.8157	1.0	175.568
B 249.678	8.0286b	ppb	0.5511	6.9	-501.439
Ba 389.178	6330.45b	ppb	10.2780	0.2	174921
Be 313.042	25.4181b	ppb	0.0387	0.2	76515.4
Ca 370.602	12937b	ppb	39.45	0.3	48521
Cd 226.502	1.8270b	ppb	0.5621	30.8	3289.92
Co 228.615	265.983b	ppb	2.1308	0.8	2839.94
Cr 267.716	643.087b	ppb	1.3157	0.2	22645.0
Cu 324.754	108.537b	ppb	0.7399	0.7	6174.60
Fe 271.441	893483b	ppb	4275.34	0.5	1138665
K 766.491	5020.51b	ppb	11.3827	0.2	687929
Mg 279.078	8059.92b	ppb	16.6467	0.2	20375.5
Mn 257.610	46801.2xb	ppb	131.161	0.3	8657151
Mo 202.032	13.8723b	ppb	1.5311	11.0	13.2765
Na 330.237	-114.307b	ppb	198.004	173.2	-366.272
Ni 231.604	118.115b	ppb	2.6717	2.3	502.849
Pb 220.353	634.446b	ppb	5.0300	0.8	892.168
Sb 206.834	9.2174b	ppb	6.0735	65.9	23.7593
Se 196.026	-18.5099b	ppb	7.0814	38.3	30.6735
Sn 189.925	44.0901b	ppb	4.3671	9.9	25.0371
Sr 216.596	144.951b	ppb	0.5489	0.4	2478.62
Ti 334.941	951.476b	ppb	0.2274	0.0	429603
Tl 190.794	19.2727b	ppb	1.8748	9.7	-38.8661
V 292.401	1437.35b	ppb	1.5601	0.1	60302.4
Zn 206.200	632.854b	ppb	1.7126	0.3	2078.74

680-102328-A-5-A (Samp) **6/18/2014, 12:21:46 PM** **Rack 4, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	-3.7428u	-2.6114u	-3.2325u
Al 308.215	141857	141798	141829
As 188.980	145.249	146.180	138.127
B 249.678	11.0493u	13.2068u	12.2221u
Ba 389.178	1131.38	1133.78	1132.18

Label	Replicates Concentration		
Be 313.042	13.7956	13.8071	13.7863
Ca 370.602	10860	10918	10909
Cd 226.502	0.8399	0.9668	0.8177
Co 228.615	130.745	132.242	132.276
Cr 267.716	474.246	473.741	473.144
Cu 324.754	105.992	107.812	107.204
Fe 271.441	483331	485195	483840
K 766.491	3200.19	3193.51	3198.84
Mg 279.078	7425.37	7439.96	7407.07
Mn 257.610	15857.9	15885.4	15859.4
Mo 202.032	8.6412	6.5082u	6.2075u
Na 330.237	42.0203u	-112.967u	-244.364u
Ni 231.604	75.5810	79.7355	74.0961
Pb 220.353	306.150	308.272	310.089
Sb 206.834	1.5534	3.7255	-3.9014u
Se 196.026	12.4876	-9.1339	-4.8144
Sn 189.925	27.3398	31.4817	25.2485
Sr 216.596	70.0651	70.7313	70.4595
Ti 334.941	858.086	858.091	857.828
Tl 190.794	-5.3035u	-2.0260u	-0.2256u
V 292.401	831.171	832.046	830.626
Zn 206.200	563.935	569.041	560.152

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.1956	ppb	0.5666	17.7	-211.472
Al 308.215	141828	ppb	29.2993	0.0	972064
As 188.980	143.186	ppb	4.4053	3.1	83.0239
B 249.678	12.1594	ppb	1.0801	8.9	-99.4745
Ba 389.178	1132.45	ppb	1.2243	0.1	32014.5
Be 313.042	13.7964	ppb	0.0104	0.1	39946.1
Ca 370.602	10896	ppb	31.00	0.3	45781
Cd 226.502	0.8748	ppb	0.0804	9.2	1784.07
Co 228.615	131.754	ppb	0.8746	0.7	1407.93
Cr 267.716	473.710	ppb	0.5516	0.1	16683.8
Cu 324.754	107.002	ppb	0.9265	0.9	6101.60
Fe 271.441	484122	ppb	963.304	0.2	616991
K 766.491	3197.51	ppb	3.5294	0.1	438925
Mg 279.078	7424.13	ppb	16.4766	0.2	19648.0
Mn 257.610	15867.6	ppb	15.4826	0.1	2935691
Mo 202.032	7.1190	ppb	1.3268	18.6	7.2150
Na 330.237	-105.103	ppb	143.354	136.4	-160.769
Ni 231.604	76.4709	ppb	2.9232	3.8	322.613
Pb 220.353	308.170	ppb	1.9713	0.6	429.740
Sb 206.834	0.4592	ppb	3.9294	855.8	12.7545
Se 196.026	-0.4869	ppb	11.4420	2350.0	22.8042
Sn 189.925	28.0233	ppb	3.1724	11.3	12.2877
Sr 216.596	70.4186	ppb	0.3350	0.5	1256.42
Ti 334.941	858.002	ppb	0.1504	0.0	387333
Tl 190.794	-2.5183	ppb	2.5745	102.2	-37.9773
V 292.401	831.281	ppb	0.7161	0.1	34857.4
Zn 206.200	564.376	ppb	4.4610	0.8	1843.62

cri (Samp) **6/18/2014, 12:26:28 PM** **Rack 4, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	10.0566	10.1644	9.9843
Al 308.215	223.714	223.920	218.925
As 188.980	23.4624	20.4050	22.2740
B 249.678	95.2151	95.4987	96.0371
Ba 389.178	11.0255	10.6763	10.9763
Be 313.042	4.1478	4.1450	4.1410
Ca 370.602	512.3	516.5	514.2
Cd 226.502	5.2263	5.0574	5.1688
Co 228.615	10.1774	10.3978	10.0898
Cr 267.716	9.9624	9.7735	9.9612
Cu 324.754	21.1497	21.3443	20.9264
Fe 271.441	119.927	119.087	113.965
K 766.491	1010.23	1015.35	1014.27
Mg 279.078	512.078	509.889	509.657
Mn 257.610	13.3390	13.2000	12.9216
Mo 202.032	9.2354	9.9899	10.2682
Na 330.237	1028.74	1010.94	1030.90
Ni 231.604	43.3117	41.8909	41.6307
Pb 220.353	14.2299	9.8313	6.9121
Sb 206.834	18.0718	17.9558	17.0733
Se 196.026	15.2883	11.2002	15.0350
Sn 189.925	53.3410	53.4850	51.2412
Sr 216.596	9.8188	9.4187	9.2874
Ti 334.941	9.9789	10.0508	10.0036
Tl 190.794	23.1070	25.6281	23.3904
V 292.401	10.3334	9.9581	10.0957
Zn 206.200	21.2323	19.7102	19.6908

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.0684	ppb	0.0906	0.9	567.106
Al 308.215	222.186	ppb	2.8261	1.3	1918.69
As 188.980	22.0471	ppb	1.5413	7.0	9.2443
B 249.678	95.5836	ppb	0.4175	0.4	1698.65
Ba 389.178	10.8927	ppb	0.1890	1.7	261.078
Be 313.042	4.1446	ppb	0.0034	0.1	9416.12
Ca 370.602	514.3	ppb	2.124	0.4	2547
Cd 226.502	5.1509	ppb	0.0859	1.7	242.160
Co 228.615	10.2217	ppb	0.1587	1.6	89.5914
Cr 267.716	9.8990	ppb	0.1087	1.1	349.118
Cu 324.754	21.1402	ppb	0.2091	1.0	1385.88
Fe 271.441	117.659	ppb	3.2273	2.7	196.250
K 766.491	1013.28	ppb	2.6999	0.3	140581
Mg 279.078	510.542	ppb	1.3357	0.3	1472.80
Mn 257.610	13.1536	ppb	0.2126	1.6	2452.24
Mo 202.032	9.8312	ppb	0.5344	5.4	81.3701
Na 330.237	1023.53	ppb	10.9546	1.1	170.166
Ni 231.604	42.2777	ppb	0.9048	2.1	167.595
Pb 220.353	10.3245	ppb	3.6837	35.7	16.8419
Sb 206.834	17.7003	ppb	0.5461	3.1	27.8107
Se 196.026	13.8412	ppb	2.2907	16.5	14.0348

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sn 189.925	52.6890	ppb	1.2560	2.4	31.8639
Sr 216.596	9.5083	ppb	0.2768	2.9	108.981
Ti 334.941	10.0111	ppb	0.0365	0.4	4435.69
Tl 190.794	24.0418	ppb	1.3810	5.7	7.1526
V 292.401	10.1290	ppb	0.1899	1.9	427.276
Zn 206.200	20.2111	ppb	0.8844	4.4	66.8961

Cont Calib Verif (CCV) **6/18/2014, 12:31:07 PM** **Rack 1, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	486.709	487.490	489.409
Al 308.215	4796.92	4808.65	4792.65
As 188.980	462.799	466.624	463.707
B 249.678	476.124	479.370	478.556
Ba 389.178	4892.14	4889.11	4880.74
Be 313.042	484.965	485.308	484.297
Ca 370.602	4936	4935	4926
Cd 226.502	490.028	488.818	487.489
Co 228.615	490.171	489.868	490.793
Cr 267.716	4853.84	4857.78	4846.21
Cu 324.754	4926.31	4971.96	4965.93
Fe 271.441	4848.31	4860.63	4847.14
K 766.491	9821.59	9865.80	9833.85
Mg 279.078	4797.86	4798.54	4792.05
Mn 257.610	4944.04	4932.98	4935.22
Mo 202.032	488.763	489.944	490.592
Na 330.237	7271.01	7438.88	7195.40
Ni 231.604	2428.02	2432.36	2419.04
Pb 220.353	492.040	484.972	492.633
Sb 206.834	956.954	959.070	967.798
Se 196.026	4883.44	4878.66	4873.39
Sn 189.925	4825.89	4833.12	4809.18
Sr 216.596	2365.67	2360.70	2358.42
Ti 334.941	483.619	483.991	482.686
Tl 190.794	4899.65	4892.96	4895.69
V 292.401	4871.60	4876.21	4867.26
Zn 206.200	2408.75	2405.48	2398.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	487.869	ppb	1.3894	0.3	28996.0	97.57388
Al 308.215	4799.41	ppb	8.2869	0.2	33606.7	95.98811
As 188.980	464.377	ppb	1.9987	0.4	295.126	92.87533
B 249.678	478.017	ppb	1.6886	0.4	8164.29	95.60336
Ba 389.178	4887.33	ppb	5.9059	0.1	133483	97.74657
Be 313.042	484.857	ppb	0.5143	0.1	1514445	96.97136
Ca 370.602	4933	ppb	5.407	0.1	24620	98.65216
Cd 226.502	488.778	ppb	1.2699	0.3	20474.5	97.75568
Co 228.615	490.278	ppb	0.4712	0.1	5112.87	98.05551
Cr 267.716	4852.61	ppb	5.8818	0.1	170936	97.05215
Cu 324.754	4954.73	ppb	24.7996	0.5	274600	99.09465
Fe 271.441	4852.03	ppb	7.4741	0.2	6298.77	97.04050

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
K 766.491	9840.41	ppb	22.8271	0.2	1346281	98.40414
Mg 279.078	4796.15	ppb	3.5680	0.1	13496.7	95.92295
Mn 257.610	4937.41	ppb	5.8486	0.1	913099	98.74825
Mo 202.032	489.766	ppb	0.9273	0.2	3741.50	97.95328
Na 330.237	7301.76	ppb	124.618	1.7	574.137	97.35684
Ni 231.604	2426.47	ppb	6.7946	0.3	9355.82	97.05887
Pb 220.353	489.882	ppb	4.2620	0.9	709.157	97.97630
Sb 206.834	961.274	ppb	5.7481	0.6	1094.54	96.12743
Se 196.026	4878.49	ppb	5.0249	0.1	2238.97	97.56985
Sn 189.925	4822.73	ppb	12.2762	0.3	3817.35	96.45460
Sr 216.596	2361.59	ppb	3.7064	0.2	25712.8	94.46375
Ti 334.941	483.432	ppb	0.6725	0.1	218150	96.68641
Tl 190.794	4896.10	ppb	3.3629	0.1	3587.44	97.92194
V 292.401	4871.69	ppb	4.4743	0.1	202378	97.43383
Zn 206.200	2404.26	ppb	5.2114	0.2	7768.31	96.17030

Cont Calib Blank (CCB) **6/18/2014, 12:35:44 PM** **Rack 1, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.3297	0.0076	0.4442
Al 308.215	-4.9303u	-4.3275u	-5.7340u
As 188.980	-2.1782u	2.6431	2.3641
B 249.678	2.0059	1.9789	1.0384
Ba 389.178	1.6805	1.6476	1.0921
Be 313.042	0.2804	0.2859	0.2715
Ca 370.602	4.397	4.218	5.476
Cd 226.502	0.2253	0.1232	0.2820
Co 228.615	0.2860	0.0006	0.1057
Cr 267.716	0.7901	1.0450	0.8987
Cu 324.754	1.5203	1.5427	1.3703
Fe 271.441	2.5791	2.4346	6.8346
K 766.491	1.2360	1.2444	0.9422
Mg 279.078	2.0461	1.3319	5.2603
Mn 257.610	1.2230	1.1767	1.1042
Mo 202.032	1.1115	0.2387	-0.0935u
Na 330.237	174.299	13.0419	-215.655u
Ni 231.604	3.0228	1.4286	2.5232
Pb 220.353	-1.6192u	1.4985	2.4361
Sb 206.834	-3.7494u	-3.4502u	-3.1668u
Se 196.026	-3.7442u	-2.2561u	4.4578
Sn 189.925	0.5502	5.1110	3.0196
Sr 216.596	0.6728	0.6761	0.4587
Ti 334.941	0.2996	0.2790	0.2436
Tl 190.794	-2.3330u	2.8875	0.3150
V 292.401	1.1536	1.1867	1.0959
Zn 206.200	1.4195	0.9158	0.4762

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2605	ppb	0.2264	86.9	-15.8021	0.26052
Al 308.215	-4.9973	ppb	0.7056	14.1	361.085	-4.99726
As 188.980	0.9430	ppb	2.7067	287.0	-4.3924	0.94298

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
B 249.678	1.6744	ppb	0.5509	32.9	113.633	1.67439
Ba 389.178	1.4734	ppb	0.3306	22.4	1.8640	1.47342
Be 313.042	0.2793	ppb	0.0073	2.6	-2672.48	0.27925
Ca 370.602	4.697	ppb	0.6806	14.5	5.664	4.69731
Cd 226.502	0.2102	ppb	0.0805	38.3	35.2358	0.21018
Co 228.615	0.1308	ppb	0.1444	110.4	-16.0157	0.13078
Cr 267.716	0.9113	ppb	0.1279	14.0	32.5057	0.91125
Cu 324.754	1.4778	ppb	0.0938	6.3	297.387	1.47779
Fe 271.441	3.9494	ppb	2.4997	63.3	50.4012	3.94943
K 766.491	1.1409	ppb	0.1721	15.1	2332.22	1.14089
Mg 279.078	2.8794	ppb	2.0926	72.7	47.3226	2.87941
Mn 257.610	1.1679	ppb	0.0599	5.1	231.679	1.16794
Mo 202.032	0.4189	ppb	0.6224	148.6	9.5395	0.41890
Na 330.237	-9.4379	ppb	195.947	2076.2	100.882	-9.43788
Ni 231.604	2.3249	ppb	0.8154	35.1	13.6232	2.32486
Pb 220.353	0.7718	ppb	2.1231	275.1	3.1205	0.77184
Sb 206.834	-3.4555	ppb	0.2913	8.4	4.6597	-3.45549
Se 196.026	-0.5142	ppb	4.3696	849.8	7.4636	-0.51417
Sn 189.925	2.8936	ppb	2.2830	78.9	-7.6539	2.89357
Sr 216.596	0.6025	ppb	0.1246	20.7	13.4139	0.60250
Ti 334.941	0.2741	ppb	0.0283	10.3	39.0887	0.27405
Tl 190.794	0.2898	ppb	2.6104	900.7	-10.2838	0.28982
V 292.401	1.1454	ppb	0.0460	4.0	56.5165	1.14538
Zn 206.200	0.9372	ppb	0.4720	50.4	4.5176	0.93719

cri (Samp) **6/18/2014, 1:12:36 PM** **Rack 1, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	10.5698	9.6383	10.1691
Al 308.215	208.509	210.361	206.533
As 188.980	17.9835	22.5111	23.8778
B 249.678	97.4764	96.8635	97.4727
Ba 389.178	10.2986	10.7650	11.4272
Be 313.042	4.0831	4.0913	4.1041
Ca 370.602	511.2	508.9	512.2
Cd 226.502	5.1631	4.9952	5.1092
Co 228.615	10.3204	9.6401	9.9507
Cr 267.716	9.9045	9.9775	9.8817
Cu 324.754	21.5851	21.3613	21.5152
Fe 271.441	64.3167	58.8091	54.9819
K 766.491	1018.33	1011.27	1015.45
Mg 279.078	504.194	501.620	505.260
Mn 257.610	10.7503	10.7398	10.6653
Mo 202.032	9.5654	10.0273	9.6465
Na 330.237	1139.88	1257.49	1022.22
Ni 231.604	40.3231	41.9310	41.5888
Pb 220.353	8.7873	13.0694	11.6956
Sb 206.834	20.1737	21.5387	21.5970
Se 196.026	19.6812	24.3793	23.3626
Sn 189.925	51.4136	51.6307	56.8245
Sr 216.596	9.2310	9.4973	9.5886

Label	Replicates Concentration		
Ti 334.941	9.7550	9.7493	9.8432
Tl 190.794	26.1062	25.9557	24.6369
V 292.401	10.1167	9.8506	9.8409
Zn 206.200	19.5353	20.0142	19.0889

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.1257	ppb	0.4673	4.6	570.508
Al 308.215	208.468	ppb	1.9147	0.9	1824.68
As 188.980	21.4575	ppb	3.0852	14.4	8.8639
B 249.678	97.2709	ppb	0.3528	0.4	1727.22
Ba 389.178	10.8303	ppb	0.5671	5.2	259.212
Be 313.042	4.0928	ppb	0.0105	0.3	9254.22
Ca 370.602	510.7	ppb	1.673	0.3	2530
Cd 226.502	5.0891	ppb	0.0857	1.7	239.364
Co 228.615	9.9704	ppb	0.3406	3.4	86.9545
Cr 267.716	9.9212	ppb	0.0500	0.5	349.905
Cu 324.754	21.4872	ppb	0.1145	0.5	1405.12
Fe 271.441	59.3692	ppb	4.6925	7.9	121.973
K 766.491	1015.02	ppb	3.5496	0.3	140818
Mg 279.078	503.691	ppb	1.8711	0.4	1453.72
Mn 257.610	10.7185	ppb	0.0464	0.4	2001.71
Mo 202.032	9.7464	ppb	0.2466	2.5	80.7296
Na 330.237	1139.86	ppb	117.638	10.3	178.039
Ni 231.604	41.2810	ppb	0.8470	2.1	163.751
Pb 220.353	11.1841	ppb	2.1864	19.5	18.0810
Sb 206.834	21.1031	ppb	0.8055	3.8	31.5570
Se 196.026	22.4744	ppb	2.4718	11.0	17.9795
Sn 189.925	53.2896	ppb	3.0632	5.7	32.3405
Sr 216.596	9.4390	ppb	0.1858	2.0	108.213
Ti 334.941	9.7825	ppb	0.0526	0.5	4332.45
Tl 190.794	25.5663	ppb	0.8084	3.2	8.2741
V 292.401	9.9361	ppb	0.1566	1.6	419.218
Zn 206.200	19.5462	ppb	0.4628	2.4	64.7410

Cont Calib Verif (CCV) **6/18/2014, 1:18:47 PM** **Rack 1, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	482.872	484.266	482.546
Al 308.215	4752.84	4780.29	4734.27
As 188.980	470.214	461.506	473.073
B 249.678	477.201	478.546	477.031
Ba 389.178	4856.03	4852.31	4841.03
Be 313.042	483.307	482.297	482.603
Ca 370.602	4910	4907	4882
Cd 226.502	486.063	484.920	484.176
Co 228.615	489.645	487.128	483.896
Cr 267.716	4835.56	4827.34	4816.79
Cu 324.754	4966.74	4921.60	4945.53
Fe 271.441	4804.09	4814.34	4786.75
K 766.491	9782.40	9751.49	9736.98
Mg 279.078	4798.22	4789.84	4772.75

Label	Replicates Concentration		
Mn 257.610	4895.33	4910.55	4900.16
Mo 202.032	489.306	488.519	487.370
Na 330.237	7415.15	7341.69	7482.93
Ni 231.604	2425.23	2407.51	2408.53
Pb 220.353	491.906	491.840	486.042
Sb 206.834	955.400	953.329	961.435
Se 196.026	4845.40	4836.12	4813.32
Sn 189.925	4880.18	4866.34	4795.70
Sr 216.596	2362.99	2352.66	2346.99
Ti 334.941	479.873	479.451	478.857
Tl 190.794	4884.15	4902.10	4861.05
V 292.401	4843.43	4835.13	4829.21
Zn 206.200	2421.69	2415.93	2410.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	483.228	ppb	0.9140	0.2	28719.9	96.64558
Al 308.215	4755.80	ppb	23.1492	0.5	33305.1	95.11597
As 188.980	468.264	ppb	6.0247	1.3	297.638	93.65288
B 249.678	477.592	ppb	0.8304	0.2	8157.13	95.51850
Ba 389.178	4849.79	ppb	7.8147	0.2	132458	96.99579
Be 313.042	482.736	ppb	0.5177	0.1	1507794	96.54711
Ca 370.602	4900	ppb	15.19	0.3	24456	97.99070
Cd 226.502	485.053	ppb	0.9506	0.2	20318.5	97.01054
Co 228.615	486.889	ppb	2.8819	0.6	5077.36	97.37785
Cr 267.716	4826.56	ppb	9.4094	0.2	170019	96.53129
Cu 324.754	4944.63	ppb	22.5862	0.5	274041	98.89251
Fe 271.441	4801.73	ppb	13.9483	0.3	6233.79	96.03452
K 766.491	9756.96	ppb	23.1990	0.2	1334882	97.56957
Mg 279.078	4786.94	ppb	12.9791	0.3	13471.0	95.73872
Mn 257.610	4902.01	ppb	7.7775	0.2	906553	98.04028
Mo 202.032	488.398	ppb	0.9735	0.2	3731.09	97.67966
Na 330.237	7413.26	ppb	70.6363	1.0	581.714	98.84342
Ni 231.604	2413.76	ppb	9.9485	0.4	9306.81	96.55026
Pb 220.353	489.929	ppb	3.3671	0.7	709.218	97.98586
Sb 206.834	956.721	ppb	4.2116	0.4	1089.37	95.67213
Se 196.026	4831.61	ppb	16.5033	0.3	2217.53	96.63226
Sn 189.925	4847.41	ppb	45.3095	0.9	3836.94	96.94811
Sr 216.596	2354.21	ppb	8.1092	0.3	25632.8	94.16853
Ti 334.941	479.393	ppb	0.5103	0.1	216327	95.87867
Tl 190.794	4882.43	ppb	20.5790	0.4	3577.36	97.64864
V 292.401	4835.92	ppb	7.1435	0.1	200890	96.71847
Zn 206.200	2416.09	ppb	5.5198	0.2	7806.71	96.64355

Cont Calib Blank (CCB) **6/18/2014, 1:23:24 PM** **Rack 1, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	0.5232	0.2853	0.6793
Al 308.215	-5.2342u	-5.5149u	-5.7334u
As 188.980	1.4182	1.4433	1.8480
B 249.678	2.3509	1.7472	2.0185
Ba 389.178	1.2051	1.6852	2.4076

Label	Replicates Concentration		
Be 313.042	0.2509	0.2485	0.2458
Ca 370.602	5.497	6.438	4.461
Cd 226.502	0.1415	0.4356	0.1535
Co 228.615	0.1352	0.3252	0.1445
Cr 267.716	0.7448	0.9015	0.7684
Cu 324.754	1.7658	1.3598	1.4656
Fe 271.441	2.8094	2.0727	2.4090
K 766.491	2.4702	2.6392	2.4717
Mg 279.078	0.3074	2.7935	2.8951
Mn 257.610	1.1770	1.0834	1.0306
Mo 202.032	1.1633	1.0496	0.2382
Na 330.237	-18.4461u	115.383	7.1619
Ni 231.604	1.5291	1.6129	1.4165
Pb 220.353	-1.5284u	-2.9415u	-2.1712u
Sb 206.834	2.0260	-3.4463u	-5.0075u
Se 196.026	8.4311	-4.6804u	1.2391
Sn 189.925	2.8613	-0.4958u	0.1425
Sr 216.596	0.5833	-0.0332u	0.5184
Ti 334.941	0.1774	0.1907	0.1736
Tl 190.794	0.3338	0.0443	-0.0423u
V 292.401	0.9599	1.0125	0.8604
Zn 206.200	0.3762	0.5938	0.4338

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.4959	ppb	0.1984	40.0	-1.8130	0.49593
Al 308.215	-5.4941	ppb	0.2503	4.6	357.696	-5.49414
As 188.980	1.5698	ppb	0.2412	15.4	-3.9872	1.56984
B 249.678	2.0389	ppb	0.3023	14.8	119.818	2.03887
Ba 389.178	1.7659	ppb	0.6053	34.3	9.8497	1.76594
Be 313.042	0.2484	ppb	0.0026	1.0	-2769.09	0.24841
Ca 370.602	5.465	ppb	0.9892	18.1	9.484	5.46546
Cd 226.502	0.2435	ppb	0.1665	68.4	36.6257	0.24353
Co 228.615	0.2016	ppb	0.1071	53.1	-15.2853	0.20164
Cr 267.716	0.8049	ppb	0.0845	10.5	28.7617	0.80490
Cu 324.754	1.5304	ppb	0.2106	13.8	300.315	1.53041
Fe 271.441	2.4304	ppb	0.3688	15.2	48.4726	2.43036
K 766.491	2.5270	ppb	0.0971	3.8	2521.55	2.52701
Mg 279.078	1.9987	ppb	1.4656	73.3	44.8517	1.99869
Mn 257.610	1.0970	ppb	0.0742	6.8	218.554	1.09701
Mo 202.032	0.8170	ppb	0.5045	61.8	12.5789	0.81704
Na 330.237	34.6996	ppb	71.0374	204.7	103.860	34.69964
Ni 231.604	1.5195	ppb	0.0986	6.5	10.5194	1.51948
Pb 220.353	-2.2137	ppb	0.7075	32.0	-1.1771	-2.21370
Sb 206.834	-2.1426	ppb	3.6935	172.4	6.0951	-2.14259
Se 196.026	1.6633	ppb	6.5660	394.8	8.4590	1.66328
Sn 189.925	0.8360	ppb	1.7828	213.2	-9.2868	0.83601
Sr 216.596	0.3562	ppb	0.3387	95.1	10.7591	0.35616
Ti 334.941	0.1806	ppb	0.0090	5.0	-3.1198	0.18057
Tl 190.794	0.1119	ppb	0.1969	175.9	-10.4146	0.11194
V 292.401	0.9443	ppb	0.0772	8.2	48.0390	0.94429
Zn 206.200	0.4679	ppb	0.1127	24.1	2.9988	0.46794

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Batch Number: 334383 Batch Start Date: 06/16/14 09:06 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 06/16/14 15:12

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS_Ag_LCS_SPK 00022	MS_LCS1_WK 00012	MS_LCS2_wk 00161
MB 680-334383/1		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL			
LCS 680-334383/2		3050B, 6010C		CALC NOT SET TO RUN	1.01 g	100 mL	1 mL	1 mL	1 mL
680-102325-C-5 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL	1 mL	1 mL	1 mL
680-102325-C-5 MSD		3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL	1 mL	1 mL	1 mL
680-102328-A-2	CV1040-CS-6	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-102328-A-3	CV1040-CS-12	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	100 mL			
680-102328-A-4	CV1040-CS-18	3050B, 6010C	T	CALC NOT SET TO RUN	1.15 g	100 mL			
680-102328-A-5	CV1040-CS-24	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	100 mL			

Batch Notes	
Analyst	CRW
Balance ID	ME 25
Blank Soil Lot Number	3415694
Hydrogen peroxide lot number	3590388
Lot # of hydrochloric acid	3605619
Lot # of Nitric Acid	3606133
Hood ID or number	HF8
Hot Block ID number	10
Nominal Amount Used	1 g
Pipette ID	ME4
Perform Calculation (0=No, 1=Yes)	0
Temperature	94 Degrees C
ID number of the thermometer	ME4
Digestion Tube/Cup Lot #	J188223-263
Uncorrected Temperature	97 Celsius
Uncorrected Temperature 2	96 Degrees C

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-102328-1

SDG No.: 680-102328-01

Batch Number: 334383 Batch Start Date: 06/16/14 09:06 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 06/16/14 15:12

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

TestAmerica Savannah
5102 LaRoche Avenue

Savannah, GA 31404
phone 912.354.7858 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other:

Client Contact	Project Manager: Russell Henderson	Site Contact: Russell Henderson	Date: 06/12/2014	COC No:
OTIE	Tel/Fax:	Lab Contact: Lisa Harvey	Carrier: FedEx	1 of 1 COCs
1220 Kennestone Circle, Suite 106	Analysis Turnaround Time			Sampler: Ryan Stubbs
Marietta, GA 30066	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(678)355-5550 Phone	TAT if different from Below _____			Walk-in Client:
(770)528-0167 FAX	☐ 2 weeks			Lab Sampling:
Project Name: 35th Avenue Removal	☐ 1 week			
Site:	☑ 2 days			Job / SDG No.:
P O # 2014076-1006	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Arsenic and Lead	PCBs	TCLP Metals	PAHs	Sample Specific Notes:
HP0062-WF	06/11/14	1055	C	Soil	3	N	N	X	X	X		Wire fluff sample
CV1040-CS-6	06/12/14	0900	C	Soil	2	N	N	X			X	6 inch sample
CV1040-CS-12	06/12/14	0930	C	Soil	2	N	N	X			X	12 inch sample
CV1040-CS-18	06/12/14	1005	C	Soil	2	N	N	X			X	18 inch sample
CV1040-CS-24	06/12/14	1055	C	Soil	2	N	N	X			X	24 inch sample
								1				

680-102328 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

680-102328
3.0°C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Ryan Stubbs	OTIE	6/12/14 @ 1240			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA SW	Date/Time: 06/13/14 1007

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-102328-1
SDG Number: 680-102328-01

Login Number: 102328
List Number: 1
Creator: Conner, Keaton

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?	True	
There are no discrepancies between the containers received and the COC.	False	RECEIVED ONLY 1 JAR -4
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: 680-102328-1
TestAmerica Sample Delivery Group: 680-102328-01
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:
6/23/2014 6:53:27 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: 680-102328-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-102328-1

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

RECEIPT

The samples were received on 06/13/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.0 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV1040-CS-6 (680-102328-2), CV1040-CS-12 (680-102328-3), CV1040-CS-18 (680-102328-4) and CV1040-CS-24 (680-102328-5) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D.

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV1040-CS-12 (680-102328-3), CV1040-CS-6 (680-102328-2). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Samples CV1040-CS-6 (680-102328-2)[10X] and CV1040-CS-12 (680-102328-3)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

METALS (ICP)

Samples CV1040-CS-6 (680-102328-2), CV1040-CS-12 (680-102328-3), CV1040-CS-18 (680-102328-4) and CV1040-CS-24 (680-102328-5) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C.

Arsenic recovery is outside criteria for the MS of sample 680-102325-5 in batch 680-334904.

PERCENT SOLIDS/MOISTURE

Samples CV1040-CS-6 (680-102328-2), CV1040-CS-12 (680-102328-3), CV1040-CS-18 (680-102328-4) and CV1040-CS-24 (680-102328-5) 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: 680-102328-1
SDG: 680-102328-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-102328-2	CV1040-CS-6	Solid	06/12/14 09:00	06/13/14 10:07
680-102328-3	CV1040-CS-12	Solid	06/12/14 09:30	06/13/14 10:07
680-102328-4	CV1040-CS-18	Solid	06/12/14 10:05	06/13/14 10:07
680-102328-5	CV1040-CS-24	Solid	06/12/14 10:55	06/13/14 10:07

Method Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-102328-1
SDG: 680-102328-01

Method	Method Description	Protocol	Laboratory
8270D_LL_PAH	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-102328-1
SDG: 680-102328-01

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
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

Qualifier	Qualifier Description
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: 680-102328-1
SDG: 680-102328-01

Client Sample ID: CV1040-CS-6

Lab Sample ID: 680-102328-2

Date Collected: 06/12/14 09:00
Date Received: 06/13/14 10:07

Matrix: Solid
Percent Solids: 76.3

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	88	U	88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Acenaphthylene	88	U	88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Anthracene	**69**	**J**	88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Benzo[a]anthracene	**230**		88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Benzo[a]pyrene	**190**		88	16	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Benzo[b]fluoranthene	**270**		88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Benzo[g,h,i]perylene	**150**		88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Benzo[k]fluoranthene	**120**		88	26	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Chrysene	**270**		88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Dibenz(a,h)anthracene	88	U	88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Fluoranthene	**430**		88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Fluorene	88	U	88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Indeno[1,2,3-cd]pyrene	**130**		88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
1-Methylnaphthalene	**44**	**J**	88	41	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
2-Methylnaphthalene	**53**	**J**	88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Naphthalene	**59**	**J**	88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Phenanthrene	**300**		88	31	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10
Pyrene	**350**		88	43	ug/Kg	☼	06/19/14 11:14	06/20/14 13:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*06/19/14 11:14*	*06/20/14 13:42*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**26**		2.6	0.76	mg/Kg	☼	06/16/14 09:06	06/18/14 12:07	1
Lead	**390**		1.3	0.68	mg/Kg	☼	06/16/14 09:06	06/18/14 12:07	1

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-102328-1
SDG: 680-102328-01

Client Sample ID: CV1040-CS-12

Lab Sample ID: 680-102328-3

Date Collected: 06/12/14 09:30
Date Received: 06/13/14 10:07

Matrix: Solid
Percent Solids: 78.9

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	85	U	85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Acenaphthylene	85	U	85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Anthracene	**52**	**J**	85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Benzo[a]anthracene	**240**		85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Benzo[a]pyrene	**240**		85	15	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Benzo[b]fluoranthene	**380**		85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Benzo[g,h,i]perylene	85	U	85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Benzo[k]fluoranthene	**100**		85	25	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Chrysene	**300**		85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Dibenz(a,h)anthracene	85	U	85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Fluoranthene	**430**		85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Fluorene	85	U	85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Indeno[1,2,3-cd]pyrene	85	U	85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
1-Methylnaphthalene	**73**	**J**	85	39	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
2-Methylnaphthalene	**73**	**J**	85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Naphthalene	**57**	**J**	85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Phenanthrene	**290**		85	30	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10
Pyrene	**340**		85	42	ug/Kg	☼	06/19/14 11:14	06/20/14 14:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*D*	*36 - 131*	*06/19/14 11:14*	*06/20/14 14:05*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**34**		2.5	0.75	mg/Kg	☼	06/16/14 09:06	06/18/14 12:12	1
Lead	**220**		1.3	0.67	mg/Kg	☼	06/16/14 09:06	06/18/14 12:12	1

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-102328-1
SDG: 680-102328-01

Client Sample ID: CV1040-CS-18

Lab Sample ID: 680-102328-4

Date Collected: 06/12/14 10:05
Date Received: 06/13/14 10:07

Matrix: Solid
Percent Solids: 83.7

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	8.0	U	8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Acenaphthylene	8.0	U	8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Anthracene	8.0	U	8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Benzo[a]anthracene	**19**		8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Benzo[a]pyrene	**23**		8.0	1.4	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Benzo[b]fluoranthene	**37**		8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Benzo[g,h,i]perylene	**21**		8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Benzo[k]fluoranthene	**9.7**		8.0	2.4	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Chrysene	**27**		8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Dibenz(a,h)anthracene	8.0	U	8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Fluoranthene	**33**		8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Fluorene	8.0	U	8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Indeno[1,2,3-cd]pyrene	**16**		8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
1-Methylnaphthalene	**5.3**	**J**	8.0	3.7	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
2-Methylnaphthalene	**5.3**	**J**	8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Naphthalene	**4.7**	**J**	8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Phenanthrene	**20**		8.0	2.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1
Pyrene	**27**		8.0	3.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*54*		*36 - 131*	*06/19/14 11:14*	*06/20/14 14:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**30**		2.1	0.61	mg/Kg	☼	06/16/14 09:06	06/18/14 12:17	1
Lead	**66**		1.0	0.55	mg/Kg	☼	06/16/14 09:06	06/18/14 12:17	1

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-102328-1
SDG: 680-102328-01

Client Sample ID: CV1040-CS-24

Lab Sample ID: 680-102328-5

Date Collected: 06/12/14 10:55
Date Received: 06/13/14 10:07

Matrix: Solid
Percent Solids: 83.6

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	8.0	U	8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Acenaphthylene	8.0	U	8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Anthracene	8.0	U	8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Benzo[a]anthracene	**16**		8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Benzo[a]pyrene	**19**		8.0	1.4	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Benzo[b]fluoranthene	**27**		8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Benzo[g,h,i]perylene	**17**		8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Benzo[k]fluoranthene	**7.7**	**J**	8.0	2.4	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Chrysene	**16**		8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Dibenz(a,h)anthracene	**4.9**	**J**	8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Fluoranthene	**20**		8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Fluorene	8.0	U	8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Indeno[1,2,3-cd]pyrene	**13**		8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
1-Methylnaphthalene	8.0	U	8.0	3.7	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
2-Methylnaphthalene	8.0	U	8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Naphthalene	8.0	U	8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Phenanthrene	**9.0**		8.0	2.9	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1
Pyrene	**16**		8.0	4.0	ug/Kg	☼	06/19/14 11:14	06/20/14 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*47*		*36 - 131*	*06/19/14 11:14*	*06/20/14 14:52*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**17**		2.4	0.71	mg/Kg	☼	06/16/14 09:06	06/18/14 12:21	1
Lead	**37**		1.2	0.63	mg/Kg	☼	06/16/14 09:06	06/18/14 12:21	1

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-102328-1
SDG: 680-102328-01

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 680-335093/6-A
Matrix: Solid
Analysis Batch: 335312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 335093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Acenaphthylene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Anthracene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Benzo[a]anthracene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Benzo[a]pyrene	6.7	U	6.7	1.2	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Benzo[b]fluoranthene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Benzo[g,h,i]perylene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Benzo[k]fluoranthene	6.7	U	6.7	2.0	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Chrysene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Dibenz(a,h)anthracene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Fluoranthene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Fluorene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Indeno[1,2,3-cd]pyrene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
1-Methylnaphthalene	6.7	U	6.7	3.1	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
2-Methylnaphthalene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Naphthalene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Phenanthrene	6.7	U	6.7	2.4	ug/Kg		06/19/14 11:14	06/20/14 17:35	1
Pyrene	6.7	U	6.7	3.3	ug/Kg		06/19/14 11:14	06/20/14 17:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*50*		*36 - 131*	*06/19/14 11:14*	*06/20/14 17:35*	*1*

Lab Sample ID: LCS 680-335093/7-A
Matrix: Solid
Analysis Batch: 335312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 335093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	333	192		ug/Kg		58	33 - 130
Acenaphthylene	333	191		ug/Kg		57	37 - 131
Anthracene	333	211		ug/Kg		63	42 - 146
Benzo[a]anthracene	333	207		ug/Kg		62	39 - 157
Benzo[a]pyrene	333	250		ug/Kg		75	41 - 158
Benzo[b]fluoranthene	333	234		ug/Kg		70	35 - 152
Benzo[g,h,i]perylene	333	216		ug/Kg		65	32 - 150
Benzo[k]fluoranthene	333	249		ug/Kg		75	38 - 148
Chrysene	333	209		ug/Kg		63	38 - 147
Dibenz(a,h)anthracene	333	241		ug/Kg		72	32 - 155
Fluoranthene	333	204		ug/Kg		61	36 - 147
Fluorene	333	208		ug/Kg		63	36 - 138
Indeno[1,2,3-cd]pyrene	333	180		ug/Kg		54	35 - 148
1-Methylnaphthalene	333	176		ug/Kg		53	36 - 130
2-Methylnaphthalene	333	186		ug/Kg		56	42 - 130
Naphthalene	333	177		ug/Kg		53	33 - 130
Phenanthrene	333	203		ug/Kg		61	40 - 135
Pyrene	333	210		ug/Kg		63	38 - 145

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: LCS 680-335093/7-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 335312 — **Prep Batch: 335093**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*41*		*36 - 131*

Lab Sample ID: 680-102328-4 MS — **Client Sample ID: CV1040-CS-18**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 335312 — **Prep Batch: 335093**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	8.0	U	398	329		ug/Kg	☼	83	33 - 130
Acenaphthylene	8.0	U	398	328		ug/Kg	☼	82	37 - 131
Anthracene	8.0	U	398	339		ug/Kg	☼	85	42 - 146
Benzo[a]anthracene	19		398	337		ug/Kg	☼	80	39 - 157
Benzo[a]pyrene	23		398	405		ug/Kg	☼	96	41 - 158
Benzo[b]fluoranthene	37		398	420		ug/Kg	☼	96	35 - 152
Benzo[g,h,i]perylene	21		398	377		ug/Kg	☼	89	32 - 150
Benzo[k]fluoranthene	9.7		398	400		ug/Kg	☼	98	38 - 148
Chrysene	27		398	310		ug/Kg	☼	71	38 - 147
Dibenz(a,h)anthracene	8.0	U	398	409		ug/Kg	☼	103	32 - 155
Fluoranthene	33		398	332		ug/Kg	☼	75	36 - 147
Fluorene	8.0	U	398	350		ug/Kg	☼	88	36 - 138
Indeno[1,2,3-cd]pyrene	16		398	348		ug/Kg	☼	83	35 - 148
1-Methylnaphthalene	5.3	J	398	314		ug/Kg	☼	78	36 - 130
2-Methylnaphthalene	5.3	J	398	334		ug/Kg	☼	83	42 - 130
Naphthalene	4.7	J	398	312		ug/Kg	☼	77	33 - 130
Phenanthrene	20		398	358		ug/Kg	☼	85	40 - 135
Pyrene	27		398	362		ug/Kg	☼	84	38 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*58*		*36 - 131*

Lab Sample ID: 680-102328-4 MSD — **Client Sample ID: CV1040-CS-18**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 335312 — **Prep Batch: 335093**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	8.0	U	398	327		ug/Kg	☼	82	33 - 130	1	50
Acenaphthylene	8.0	U	398	331		ug/Kg	☼	83	37 - 131	1	50
Anthracene	8.0	U	398	334		ug/Kg	☼	84	42 - 146	1	50
Benzo[a]anthracene	19		398	410		ug/Kg	☼	98	39 - 157	19	50
Benzo[a]pyrene	23		398	460		ug/Kg	☼	110	41 - 158	13	50
Benzo[b]fluoranthene	37		398	479		ug/Kg	☼	111	35 - 152	13	50
Benzo[g,h,i]perylene	21		398	428		ug/Kg	☼	102	32 - 150	13	50
Benzo[k]fluoranthene	9.7		398	420		ug/Kg	☼	103	38 - 148	5	50
Chrysene	27		398	365		ug/Kg	☼	85	38 - 147	16	50
Dibenz(a,h)anthracene	8.0	U	398	422		ug/Kg	☼	106	32 - 155	3	50
Fluoranthene	33		398	415		ug/Kg	☼	96	36 - 147	22	50
Fluorene	8.0	U	398	347		ug/Kg	☼	87	36 - 138	1	50
Indeno[1,2,3-cd]pyrene	16		398	382		ug/Kg	☼	92	35 - 148	9	50
1-Methylnaphthalene	5.3	J	398	305		ug/Kg	☼	75	36 - 130	3	50

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 680-102328-4 MSD — **Client Sample ID: CV1040-CS-18**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 335312 — **Prep Batch: 335093**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	5.3	J	398	329		ug/Kg	☼	81	42 - 130	2	50
Naphthalene	4.7	J	398	306		ug/Kg	☼	76	33 - 130	2	50
Phenanthrene	20		398	379		ug/Kg	☼	90	40 - 135	6	50
Pyrene	27		398	479		ug/Kg	☼	114	38 - 145	28	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*64*		*36 - 131*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-334383/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 334904 — **Prep Batch: 334383**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.58	mg/Kg		06/16/14 09:06	06/18/14 10:14	1
Lead	0.98	U	0.98	0.52	mg/Kg		06/16/14 09:06	06/18/14 10:14	1

Lab Sample ID: LCS 680-334383/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 334904 — **Prep Batch: 334383**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	9.90	9.23		mg/Kg		93	75 - 125
Lead	4.95	4.84		mg/Kg		98	75 - 125

QC Association Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-102328-1
SDG: 680-102328-01

GC/MS Semi VOA

Prep Batch: 335093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102328-2	CV1040-CS-6	Total/NA	Solid	3546	
680-102328-3	CV1040-CS-12	Total/NA	Solid	3546	
680-102328-4	CV1040-CS-18	Total/NA	Solid	3546	
680-102328-4 MS	CV1040-CS-18	Total/NA	Solid	3546	
680-102328-4 MSD	CV1040-CS-18	Total/NA	Solid	3546	
680-102328-5	CV1040-CS-24	Total/NA	Solid	3546	
LCS 680-335093/7-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-335093/6-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 335312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102328-2	CV1040-CS-6	Total/NA	Solid	8270D_LL_PAH	335093
680-102328-3	CV1040-CS-12	Total/NA	Solid	8270D_LL_PAH	335093
680-102328-4	CV1040-CS-18	Total/NA	Solid	8270D_LL_PAH	335093
680-102328-4 MS	CV1040-CS-18	Total/NA	Solid	8270D_LL_PAH	335093
680-102328-4 MSD	CV1040-CS-18	Total/NA	Solid	8270D_LL_PAH	335093
680-102328-5	CV1040-CS-24	Total/NA	Solid	8270D_LL_PAH	335093
LCS 680-335093/7-A	Lab Control Sample	Total/NA	Solid	8270D_LL_PAH	335093
MB 680-335093/6-A	Method Blank	Total/NA	Solid	8270D_LL_PAH	335093

Metals

Prep Batch: 334383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102328-2	CV1040-CS-6	Total/NA	Solid	3050B	
680-102328-3	CV1040-CS-12	Total/NA	Solid	3050B	
680-102328-4	CV1040-CS-18	Total/NA	Solid	3050B	
680-102328-5	CV1040-CS-24	Total/NA	Solid	3050B	
LCS 680-334383/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-334383/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 334904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102328-2	CV1040-CS-6	Total/NA	Solid	6010C	334383
680-102328-3	CV1040-CS-12	Total/NA	Solid	6010C	334383
680-102328-4	CV1040-CS-18	Total/NA	Solid	6010C	334383
680-102328-5	CV1040-CS-24	Total/NA	Solid	6010C	334383
LCS 680-334383/2-A	Lab Control Sample	Total/NA	Solid	6010C	334383
MB 680-334383/1-A	Method Blank	Total/NA	Solid	6010C	334383

General Chemistry

Analysis Batch: 334640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-102328-2	CV1040-CS-6	Total/NA	Solid	Moisture	
680-102328-3	CV1040-CS-12	Total/NA	Solid	Moisture	
680-102328-4	CV1040-CS-18	Total/NA	Solid	Moisture	
680-102328-5	CV1040-CS-24	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-102328-1
SDG: 680-102328-01

Client Sample ID: CV1040-CS-6

Lab Sample ID: 680-102328-2
Date Collected: 06/12/14 09:00
Matrix: Solid
Date Received: 06/13/14 10:07
Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.01 g	1 mL	335093	06/19/14 11:14	JMV	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	30.01 g	1 mL	335312	06/20/14 13:42	RAM	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.02 g	100 mL	334383	06/16/14 09:06	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.02 g	100 mL	334904	06/18/14 12:07	BCB	TAL SAV
	Instrument ID:	ICPF								
Total/NA	Analysis	Moisture		1			334640	06/17/14 10:49	OP	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV1040-CS-12

Lab Sample ID: 680-102328-3
Date Collected: 06/12/14 09:30
Matrix: Solid
Date Received: 06/13/14 10:07
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.99 g	1 mL	335093	06/19/14 11:14	JMV	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		10	29.99 g	1 mL	335312	06/20/14 14:05	RAM	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.00 g	100 mL	334383	06/16/14 09:06	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.00 g	100 mL	334904	06/18/14 12:12	BCB	TAL SAV
	Instrument ID:	ICPF								
Total/NA	Analysis	Moisture		1			334640	06/17/14 10:49	OP	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV1040-CS-18

Lab Sample ID: 680-102328-4
Date Collected: 06/12/14 10:05
Matrix: Solid
Date Received: 06/13/14 10:07
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.01 g	1 mL	335093	06/19/14 11:14	JMV	TAL SAV
Total/NA	Analysis	8270D_LL_PAH		1	30.01 g	1 mL	335312	06/20/14 14:29	RAM	TAL SAV
	Instrument ID:	CMSY								
Total/NA	Prep	3050B			1.15 g	100 mL	334383	06/16/14 09:06	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.15 g	100 mL	334904	06/18/14 12:17	BCB	TAL SAV
	Instrument ID:	ICPF								
Total/NA	Analysis	Moisture		1			334640	06/17/14 10:49	OP	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: CV1040-CS-24

Lab Sample ID: 680-102328-5
Date Collected: 06/12/14 10:55
Matrix: Solid
Date Received: 06/13/14 10:07
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.97 g	1 mL	335093	06/19/14 11:14	JMV	TAL SAV

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-102328-1
SDG: 680-102328-01

Client Sample ID: CV1040-CS-24

Lab Sample ID: 680-102328-5

Date Collected: 06/12/14 10:55
Date Received: 06/13/14 10:07

Matrix: Solid
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D_LL_PAH		1	29.97 g	1 mL	335312	06/20/14 14:52	RAM	TAL SAV
	Instrument ID: CMSY									
Total/NA	Prep	3050B			1.00 g	100 mL	334383	06/16/14 09:06	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.00 g	100 mL	334904	06/18/14 12:21	BCB	TAL SAV
	Instrument ID: ICPF									
Total/NA	Analysis	Moisture		1			334640	06/17/14 10:49	OP	TAL SAV
	Instrument ID: NOEQUIP									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue

Savannah, GA 31404
phone 912.354.7858 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other:

Client Contact	Project Manager: Russell Henderson	Site Contact: Russell Henderson	Date: 06/12/2014	COC No:
OTIE	Tel/Fax:	Lab Contact: Lisa Harvey	Carrier: FedEx	1 of 1 COCs
1220 Kennestone Circle, Suite 106	**Analysis Turnaround Time**			Sampler: Ryan Stubbs
Marietta, GA 30066	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
(678)355-5550 Phone	TAT if different from Below _____			Walk-in Client:
(770)528-0167 FAX	☐ 2 weeks			Lab Sampling:
Project Name: 35th Avenue Removal	☐ 1 week			
Site:	☑ 2 days			Job / SDG No.:
P O # 2014076-1006	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Arsenic and Lead	PCBs	TCLP Metals	PAHs	Sample Specific Notes:
HP0062-WF	06/11/14	1055	C	Soil	3	N	N	X	X	X		Wire fluff sample
CV1040-CS-6	06/12/14	0900	C	Soil	2	N	N	X			X	6 inch sample
CV1040-CS-12	06/12/14	0930	C	Soil	2	N	N	X			X	12 inch sample
CV1040-CS-18	06/12/14	1005	C	Soil	2	N	N	X			X	18 inch sample
CV1040-CS-24	06/12/14	1055	C	Soil	2	N	N	X			X	24 inch sample
								1				

680-102328 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

680-102328
3.0°C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Ryan Stubbs	OTIE	6/12/14@1240			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA SW	Date/Time: 06/13/14 1007

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-102328-1
SDG Number: 680-102328-01

Login Number: 102328
List Number: 1
Creator: Conner, Keaton

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?	True	
There are no discrepancies between the containers received and the COC.	False	RECEIVED ONLY 1 JAR -4
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: 680-102328-1
SDG: 680-102328-01

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	06-30-14 *

* Certification renewal pending - certification considered valid.