ANALYTICAL REPORT

Job Number: 680-109515-2

SDG Number: 680-109515-02

Job Description: 35th Avenue Superfund Site

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

Attention: Ms. Limari F Krebs

Approved for release.
Lisa M Harvey
Project Manager II
2/12/2015 6:29 PM

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02/12/2015

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Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Sample Summary 6

Method Summary 7

Method / Analyst Summary 8

Data Qualifiers 9

QC Association Summary 10

Manual Integration Summary 15

Organic Sample Data 21

GC/MS Semi VOA 21

Method 8270D Low Level 21

Method 8270D Low Level QC Summary 22

Method 8270D Low Level Sample Data 54

Standards Data 337

Method 8270D Low Level ICAL Data 337

Method 8270D Low Level Resolution Data 373

Method 8270D Low Level CCAL Data 376

Raw QC Data 400

Method 8270D Low Level Tune Data 400

Method 8270D Low Level Blank Data 446

Method 8270D Low Level LCS/LCSD Data 455

Method 8270D Low Level MS/MSD Data 467

Method 8270D Low Level Run Logs 497

Method 8270D Low Level Prep Data 503

Inorganic Sample Data 509

Table of Contents

Metals Data 509

Met Cover Page 510

Met Sample Data 511

Met QC Data 531

Met ICV/CCV 531

Met CRQL 537

Met Blanks 539

Met ICSA/ICSAB 545

Met MS/MSD/PDS 549

Met LCS/LCSD 555

Met Serial Dilution 557

Met MDL 559

Met IECF 561

Met Linear Ranges 563

Met Preparation Log 564

Met Analysis Run Log 566

Met Raw Data 579

Met Prep Data 1115

Shipping and Receiving Documents 1119

Client Chain of Custody 1120

Sample Receipt Checklist 1122

CASE NARRATIVE
Client: Oneida Total Integrated Enterprises LLC
Project: 35th Avenue Superfund Site
Report Number: 680-109515-2

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 1/31/2015 8:52 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.3º C and 2.1º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) LOW LEVEL PAH

Samples CV0627B-GS6" (680-109515-15), CV0627B-GS12" (680-109515-16), CV0627B-GS18" (680-109515-17), CV0627B-GS24" (680-109515-18), CV0627B-CS0-4" (680-109515-19), HP0320C-CS6" (680-109515-20), HP0320C-CS12" (680-109515-21), HP0320C-CS18" (680-109515-22), HP0320C-CS24" (680-109515-23), HP0320E-CS6" (680-109515-24), HP0320E-GS12" (680-109515-25), HP0320E-GS18" (680-109515-26), HP0320E-GS24" (680-109515-27), HP0320K-CS6" (680-109515-28), HP0320K-CS12" (680-109515-29), HP0320K-GS18" (680-109515-30), HP0320K-GS24" (680-109515-31), HP0320J-CS6" (680-109515-32), HP0320J-CS12" (680-109515-33) and HP0320J-GS18" (680-109515-34) were analyzed for Semivolatile Organic Compounds (GC/MS) Low level PAH in accordance with EPA SW846 Method 8270D. The samples were prepared on 02/02/2015 and 02/03/2015 and analyzed on 02/06/2015 and 02/07/2015.

Method(s) 8270D_LL_PAH: Manual integration was performed on the following sample(s): CV0627B-GS12" (680-109515-16), CV0627B-GS18" (680-109515-17), CV0627B-GS24" (680-109515-18), CV0627B-CS0-4" (680-109515-19), CV0627B-GS6" (680-109515-15), HP0320J-CS6" (680-109515-32), HP0320K-CS6" (680-109515-28), CV0627B-GS6" (680-109515-15 MS), CV0627B-GS6" (680-109515-15 MSD), HP0320C-CS12" (680-109515-21), HP0320C-CS24" (680-109515-23), HP0320C-CS6" (680-109515-20), HP0320E-CS6" (680-109515-24), HP0320E-GS12" (680-109515-25), HP0320E-GS18" (680-109515-26), HP0320J-CS12" (680-109515-33), HP0320J-GS18" (680-109515-34), HP0320K-CS12" (680-109515-29), HP0320K-GS18" (680-109515-30).

Method(s) 8270D_LL_PAH: The following sample(s) was diluted due to the nature of the sample matrix: CV0627B-CS0-4" (680-109515-19), HP0320K-CS6" (680-109515-28). Due to the dilution, the surrogate recoveries are outside criteria.

Method(s) 8270D_LL_PAH: The continuing calibration verification (CCV) analyzed in batch 370012 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene and o-terphenyl. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Several compounds have recovery outside criteria low for the MS and MSD of sample CV0627B-GS6" (680-109515-15) in batch 680-369958.

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

Refer to the QC report for details.

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

METALS (ICP)

Samples CV0627B-GS6" (680-109515-15), CV0627B-GS12" (680-109515-16), CV0627B-GS18" (680-109515-17), CV0627B-GS24" (680-109515-18), CV0627B-CS0-4" (680-109515-19), HP0320C-CS6" (680-109515-20), HP0320C-CS12" (680-109515-21), HP0320C-CS18" (680-109515-22), HP0320C-CS24" (680-109515-23), HP0320E-CS6" (680-109515-24), HP0320E-GS12" (680-109515-25), HP0320E-GS18" (680-109515-26), HP0320E-GS24" (680-109515-27), HP0320K-CS6" (680-109515-28), HP0320K-CS12" (680-109515-29), HP0320K-GS18" (680-109515-30), HP0320K-GS24" (680-109515-31), HP0320J-CS6" (680-109515-32), HP0320J-CS12" (680-109515-33) and HP0320J-GS18" (680-109515-34) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 02/02/2015 and analyzed on 02/03/2015, 02/04/2015 and 02/05/2015.

Method(s) 6010C: The following sample(s) was diluted due to the presence of manganese which interferes with lead: HP0320C-CS12" (680-109515-21), HP0320C-CS6" (680-109515-20), HP0320J-CS6" (680-109515-32), HP0320J-GS18" (680-109515-34). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following sample(s) was diluted due to the presence of iron which interferes with aluminum, arsenic, and lead: CV0627B-GS18" (680-109515-17). Elevated reporting limits (RLs) are provided.

Arsenic, Iron and Lead have recovery outside criteria low for the MS of sample CV0627B-GS6"MS (680-109515-15) in batch 680-369692. Aluminum failed the recovery criteria high.

Iron recovery is outside criteria low for the MSD of sample CV0627B-GS6"MSD (680-109515-15) in batch 680-369692. Aluminum failed the recovery criteria high.

Refer to the QC report for details.

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

PERCENT SOLIDS/MOISTURE

Samples CV0627B-GS6" (680-109515-15), CV0627B-GS12" (680-109515-16), CV0627B-GS18" (680-109515-17), CV0627B-GS24" (680-109515-18), CV0627B-CS0-4" (680-109515-19), HP0320C-CS6" (680-109515-20), HP0320C-CS12" (680-109515-21), HP0320C-CS18" (680-109515-22), HP0320C-CS24" (680-109515-23), HP0320E-CS6" (680-109515-24), HP0320E-GS12" (680-109515-25), HP0320E-GS18" (680-109515-26), HP0320E-GS24" (680-109515-27), HP0320K-CS6" (680-109515-28), HP0320K-CS12" (680-109515-29), HP0320K-GS18" (680-109515-30), HP0320K-GS24" (680-109515-31), HP0320J-CS6" (680-109515-32), HP0320J-CS12" (680-109515-33) and HP0320J-GS18" (680-109515-34) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 01/31/2015.

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

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-109515-2
Sdg Number: 680-109515-02

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-109515-15	CV0627B-GS6"	Solid	01/27/2015 0905	01/31/2015 0852
680-109515-15MS	CV0627B-GS6"	Solid	01/27/2015 0905	01/31/2015 0852
680-109515-15MSD	CV0627B-GS6"	Solid	01/27/2015 0905	01/31/2015 0852
680-109515-16	CV0627B-GS12"	Solid	01/27/2015 0910	01/31/2015 0852
680-109515-17	CV0627B-GS18"	Solid	01/27/2015 0915	01/31/2015 0852
680-109515-18	CV0627B-GS24"	Solid	01/27/2015 0920	01/31/2015 0852
680-109515-19	CV0627B-CS0-4"	Solid	01/27/2015 0915	01/31/2015 0852
680-109515-20	HP0320C-CS6"	Solid	01/27/2015 1005	01/31/2015 0852
680-109515-21	HP0320C-CS12"	Solid	01/27/2015 1010	01/31/2015 0852
680-109515-22	HP0320C-CS18"	Solid	01/27/2015 1015	01/31/2015 0852
680-109515-23	HP0320C-CS24"	Solid	01/27/2015 1020	01/31/2015 0852
680-109515-24	HP0320E-CS6"	Solid	01/27/2015 1120	01/31/2015 0852
680-109515-25	HP0320E-GS12"	Solid	01/27/2015 1125	01/31/2015 0852
680-109515-26	HP0320E-GS18"	Solid	01/27/2015 1130	01/31/2015 0852
680-109515-27	HP0320E-GS24"	Solid	01/27/2015 1135	01/31/2015 0852
680-109515-28	HP0320K-CS6"	Solid	01/27/2015 1315	01/31/2015 0852
680-109515-29	HP0320K-CS12"	Solid	01/27/2015 1320	01/31/2015 0852
680-109515-30	HP0320K-GS18"	Solid	01/27/2015 1325	01/31/2015 0852
680-109515-31	HP0320K-GS24"	Solid	01/27/2015 1330	01/31/2015 0852
680-109515-32	HP0320J-CS6"	Solid	01/27/2015 1410	01/31/2015 0852
680-109515-33	HP0320J-CS12"	Solid	01/27/2015 1415	01/31/2015 0852
680-109515-34	HP0320J-GS18"	Solid	01/27/2015 1420	01/31/2015 0852

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-109515-2
Sdg Number: 680-109515-02

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: 680-109515-2
Sdg Number: 680-109515-02

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

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-109515-2
Sdg Number: 680-109515-02

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

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-109515-2
Sdg Number: 680-109515-02

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 680-369207					
LCS 680-369207/22-A	Lab Control Sample	T	Solid	3546	
MB 680-369207/21-A	Method Blank	T	Solid	3546	
680-109515-A-6-B MS	Matrix Spike	T	Solid	3546	
680-109515-A-6-C MSD	Matrix Spike Duplicate	T	Solid	3546	
680-109515-16	CV0627B-GS12"	T	Solid	3546	
680-109515-17	CV0627B-GS18"	T	Solid	3546	
680-109515-18	CV0627B-GS24"	T	Solid	3546	
680-109515-19	CV0627B-CS0-4"	T	Solid	3546	
680-109515-20	HP0320C-CS6"	T	Solid	3546	
Prep Batch: 680-369210					
LCS 680-369210/19-A	Lab Control Sample	T	Solid	3546	
MB 680-369210/18-A	Method Blank	T	Solid	3546	
680-109515-15	CV0627B-GS6"	T	Solid	3546	
680-109515-15MS	Matrix Spike	T	Solid	3546	
680-109515-15MSD	Matrix Spike Duplicate	T	Solid	3546	
680-109515-21	HP0320C-CS12"	T	Solid	3546	
680-109515-22	HP0320C-CS18"	T	Solid	3546	
680-109515-23	HP0320C-CS24"	T	Solid	3546	
680-109515-24	HP0320E-CS6"	T	Solid	3546	
680-109515-25	HP0320E-GS12"	T	Solid	3546	
680-109515-26	HP0320E-GS18"	T	Solid	3546	
680-109515-27	HP0320E-GS24"	T	Solid	3546	
680-109515-28	HP0320K-CS6"	T	Solid	3546	
680-109515-29	HP0320K-CS12"	T	Solid	3546	
680-109515-30	HP0320K-GS18"	T	Solid	3546	
680-109515-31	HP0320K-GS24"	T	Solid	3546	
680-109515-33	HP0320J-CS12"	T	Solid	3546	
680-109515-34	HP0320J-GS18"	T	Solid	3546	
Prep Batch: 680-369331					
LCS 680-369331/10-A	Lab Control Sample	T	Solid	3546	
MB 680-369331/9-A	Method Blank	T	Solid	3546	
680-109515-32	HP0320J-CS6"	T	Solid	3546	
680-109515-A-49-E MS	Matrix Spike	T	Solid	3546	
680-109515-A-49-F MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:680-369912					
LCS 680-369207/22-A	Lab Control Sample	T	Solid	8270D_LL_PAH	680-369207
MB 680-369207/21-A	Method Blank	T	Solid	8270D_LL_PAH	680-369207
680-109515-A-6-B MS	Matrix Spike	T	Solid	8270D_LL_PAH	680-369207
680-109515-A-6-C MSD	Matrix Spike Duplicate	T	Solid	8270D_LL_PAH	680-369207
680-109515-16	CV0627B-GS12"	T	Solid	8270D_LL_PAH	680-369207
680-109515-17	CV0627B-GS18"	T	Solid	8270D_LL_PAH	680-369207
680-109515-18	CV0627B-GS24"	T	Solid	8270D_LL_PAH	680-369207

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-109515-2
Sdg Number: 680-109515-02

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:680-369958					
LCS 680-369210/19-A	Lab Control Sample	T	Solid	8270D_LL_PAH	680-369210
MB 680-369210/18-A	Method Blank	T	Solid	8270D_LL_PAH	680-369210
680-109515-15MS	Matrix Spike	T	Solid	8270D_LL_PAH	680-369210
680-109515-15MSD	Matrix Spike Duplicate	T	Solid	8270D_LL_PAH	680-369210
680-109515-20	HP0320C-CS6"	T	Solid	8270D_LL_PAH	680-369207
680-109515-21	HP0320C-CS12"	T	Solid	8270D_LL_PAH	680-369210
680-109515-22	HP0320C-CS18"	T	Solid	8270D_LL_PAH	680-369210
680-109515-23	HP0320C-CS24"	T	Solid	8270D_LL_PAH	680-369210
680-109515-24	HP0320E-CS6"	T	Solid	8270D_LL_PAH	680-369210
680-109515-25	HP0320E-GS12"	T	Solid	8270D_LL_PAH	680-369210
680-109515-26	HP0320E-GS18"	T	Solid	8270D_LL_PAH	680-369210
680-109515-27	HP0320E-GS24"	T	Solid	8270D_LL_PAH	680-369210
680-109515-29	HP0320K-CS12"	T	Solid	8270D_LL_PAH	680-369210
680-109515-30	HP0320K-GS18"	T	Solid	8270D_LL_PAH	680-369210
680-109515-31	HP0320K-GS24"	T	Solid	8270D_LL_PAH	680-369210
680-109515-33	HP0320J-CS12"	T	Solid	8270D_LL_PAH	680-369210
680-109515-34	HP0320J-GS18"	T	Solid	8270D_LL_PAH	680-369210
Analysis Batch:680-369988					
680-109515-15	CV0627B-GS6"	T	Solid	8270D_LL_PAH	680-369210
680-109515-19	CV0627B-CS0-4"	T	Solid	8270D_LL_PAH	680-369207
680-109515-28	HP0320K-CS6"	T	Solid	8270D_LL_PAH	680-369210
680-109515-32	HP0320J-CS6"	T	Solid	8270D_LL_PAH	680-369331
Analysis Batch:680-370012					
LCS 680-369331/10-A	Lab Control Sample	T	Solid	8270D_LL_PAH	680-369331
MB 680-369331/9-A	Method Blank	T	Solid	8270D_LL_PAH	680-369331
680-109515-A-49-E MS	Matrix Spike	T	Solid	8270D_LL_PAH	680-369331
680-109515-A-49-F MSD	Matrix Spike Duplicate	T	Solid	8270D_LL_PAH	680-369331

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-109515-2
Sdg Number: 680-109515-02

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-369174					
LCS 680-369174/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-369174/1-A	Method Blank	T	Solid	3050B	
680-109515-B-6-B MS	Matrix Spike	T	Solid	3050B	
680-109515-B-6-C MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-109515-16	CV0627B-GS12"	T	Solid	3050B	
680-109515-17	CV0627B-GS18"	T	Solid	3050B	
680-109515-18	CV0627B-GS24"	T	Solid	3050B	
680-109515-19	CV0627B-CS0-4"	T	Solid	3050B	
680-109515-20	HP0320C-CS6"	T	Solid	3050B	
680-109515-21	HP0320C-CS12"	T	Solid	3050B	
Prep Batch: 680-369204					
LCS 680-369204/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-369204/1-A	Method Blank	T	Solid	3050B	
680-109515-15	CV0627B-GS6"	T	Solid	3050B	
680-109515-15MS	Matrix Spike	T	Solid	3050B	
680-109515-15MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-109515-22	HP0320C-CS18"	T	Solid	3050B	
680-109515-23	HP0320C-CS24"	T	Solid	3050B	
680-109515-24	HP0320E-CS6"	T	Solid	3050B	
680-109515-25	HP0320E-GS12"	T	Solid	3050B	
680-109515-26	HP0320E-GS18"	T	Solid	3050B	
680-109515-27	HP0320E-GS24"	T	Solid	3050B	
680-109515-28	HP0320K-CS6"	T	Solid	3050B	
680-109515-29	HP0320K-CS12"	T	Solid	3050B	
680-109515-30	HP0320K-GS18"	T	Solid	3050B	
680-109515-31	HP0320K-GS24"	T	Solid	3050B	
680-109515-32	HP0320J-CS6"	T	Solid	3050B	
680-109515-33	HP0320J-CS12"	T	Solid	3050B	
680-109515-34	HP0320J-GS18"	T	Solid	3050B	
Analysis Batch:680-369546					
LCS 680-369174/2-A	Lab Control Sample	T	Solid	6010C	680-369174
MB 680-369174/1-A	Method Blank	T	Solid	6010C	680-369174
680-109515-B-6-B MS	Matrix Spike	T	Solid	6010C	680-369174
680-109515-B-6-C MSD	Matrix Spike Duplicate	T	Solid	6010C	680-369174
680-109515-16	CV0627B-GS12"	T	Solid	6010C	680-369174
680-109515-17	CV0627B-GS18"	T	Solid	6010C	680-369174
680-109515-18	CV0627B-GS24"	T	Solid	6010C	680-369174
680-109515-19	CV0627B-CS0-4"	T	Solid	6010C	680-369174
680-109515-20	HP0320C-CS6"	T	Solid	6010C	680-369174
680-109515-21	HP0320C-CS12"	T	Solid	6010C	680-369174

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-109515-2
Sdg Number: 680-109515-02

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-369692					
LCS 680-369204/2-A	Lab Control Sample	T	Solid	6010C	680-369204
MB 680-369204/1-A	Method Blank	T	Solid	6010C	680-369204
680-109515-15	CV0627B-GS6"	T	Solid	6010C	680-369204
680-109515-15MS	Matrix Spike	T	Solid	6010C	680-369204
680-109515-15MSD	Matrix Spike Duplicate	T	Solid	6010C	680-369204
680-109515-17	CV0627B-GS18"	T	Solid	6010C	680-369174
680-109515-20	HP0320C-CS6"	T	Solid	6010C	680-369174
680-109515-21	HP0320C-CS12"	T	Solid	6010C	680-369174
680-109515-22	HP0320C-CS18"	T	Solid	6010C	680-369204
680-109515-23	HP0320C-CS24"	T	Solid	6010C	680-369204
680-109515-24	HP0320E-CS6"	T	Solid	6010C	680-369204
680-109515-25	HP0320E-GS12"	T	Solid	6010C	680-369204
680-109515-26	HP0320E-GS18"	T	Solid	6010C	680-369204
680-109515-27	HP0320E-GS24"	T	Solid	6010C	680-369204
680-109515-28	HP0320K-CS6"	T	Solid	6010C	680-369204
680-109515-29	HP0320K-CS12"	T	Solid	6010C	680-369204
680-109515-30	HP0320K-GS18"	T	Solid	6010C	680-369204
680-109515-31	HP0320K-GS24"	T	Solid	6010C	680-369204
680-109515-32	HP0320J-CS6"	T	Solid	6010C	680-369204
680-109515-33	HP0320J-CS12"	T	Solid	6010C	680-369204
680-109515-34	HP0320J-GS18"	T	Solid	6010C	680-369204

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-109515-2
Sdg Number: 680-109515-02

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-369124					
680-109515-15	CV0627B-GS6"	T	Solid	Moisture	
680-109515-15MS	Matrix Spike	T	Solid	Moisture	
680-109515-15MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-109515-16	CV0627B-GS12"	T	Solid	Moisture	
680-109515-17	CV0627B-GS18"	T	Solid	Moisture	
680-109515-18	CV0627B-GS24"	T	Solid	Moisture	
680-109515-19	CV0627B-CS0-4"	T	Solid	Moisture	
680-109515-20	HP0320C-CS6"	T	Solid	Moisture	
680-109515-21	HP0320C-CS12"	T	Solid	Moisture	
680-109515-22	HP0320C-CS18"	T	Solid	Moisture	
680-109515-23	HP0320C-CS24"	T	Solid	Moisture	
680-109515-24	HP0320E-CS6"	T	Solid	Moisture	
680-109515-25	HP0320E-GS12"	T	Solid	Moisture	
680-109515-26	HP0320E-GS18"	T	Solid	Moisture	
680-109515-27	HP0320E-GS24"	T	Solid	Moisture	
680-109515-28	HP0320K-CS6"	T	Solid	Moisture	
680-109515-29	HP0320K-CS12"	T	Solid	Moisture	
680-109515-30	HP0320K-GS18"	T	Solid	Moisture	
680-109515-31	HP0320K-GS24"	T	Solid	Moisture	
680-109515-32	HP0320J-CS6"	T	Solid	Moisture	
680-109515-33	HP0320J-CS12"	T	Solid	Moisture	
680-109515-34	HP0320J-GS18"	T	Solid	Moisture	

Report Basis
T = Total

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: CMSK Analysis Batch Number: 369912

Lab Sample ID: 680-109515-16 Client Sample ID: CV0627B-GS12"

Date Analyzed: 02/06/15 23:34 Lab File ID: 1KB0630.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	11.44	Split Peak	webbk	02/07/15 09:05

Lab Sample ID: 680-109515-17 Client Sample ID: CV0627B-GS18"

Date Analyzed: 02/06/15 23:57 Lab File ID: 1KB0631.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	11.44	Split Peak	webbk	02/07/15 09:06

Lab Sample ID: 680-109515-18 Client Sample ID: CV0627B-GS24"

Date Analyzed: 02/07/15 00:20 Lab File ID: 1KB0632.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	11.42	Split Peak	webbk	02/07/15 09:07
Benzo[k]fluoranthene	11.44	Split Peak	webbk	02/07/15 09:07

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: CMSK Analysis Batch Number: 369988

Lab Sample ID: 680-109515-15 Client Sample ID: CV0627B-GS6"

Date Analyzed: 02/07/15 11:29 Lab File ID: 1KB0706.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	11.40	Split Peak	webbk	02/07/15 12:41
Benzo[k]fluoranthene	11.41	Split Peak	webbk	02/07/15 12:41

Lab Sample ID: 680-109515-28 Client Sample ID: HP0320K-CS6"

Date Analyzed: 02/07/15 12:15 Lab File ID: 1KB0708.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	11.40	Split Peak	webbk	02/07/15 12:43

Lab Sample ID: 680-109515-19 Client Sample ID: CV0627B-CS0-4"

Date Analyzed: 02/07/15 12:37 Lab File ID: 1KB0709.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	11.40	Split Peak	webbk	02/09/15 10:36

Lab Sample ID: 680-109515-32 Client Sample ID: HP0320J-CS6"

Date Analyzed: 02/07/15 21:48 Lab File ID: 1KB0733.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	11.41	Split Peak	webbk	02/09/15 10:55
Benzo[k]fluoranthene	11.42	Split Peak	webbk	02/09/15 10:55

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: CMSY Analysis Batch Number: 369958

Lab Sample ID: 680-109515-15 MS Client Sample ID: CV0627B-GS6" MS

Date Analyzed: 02/06/15 18:22 Lab File ID: 2YB0607.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.42	Split Peak	webbk	02/07/15 08:32

Lab Sample ID: 680-109515-15 MSD Client Sample ID: CV0627B-GS6" MSD

Date Analyzed: 02/06/15 18:44 Lab File ID: 2YB0608.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.43	Split Peak	webbk	02/07/15 08:33

Lab Sample ID: 680-109515-21 Client Sample ID: HP0320C-CS12"

Date Analyzed: 02/06/15 19:29 Lab File ID: 2YB0610.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.38	Split Peak	webbk	02/07/15 08:36

Lab Sample ID: 680-109515-23 Client Sample ID: HP0320C-CS24"

Date Analyzed: 02/06/15 20:13 Lab File ID: 2YB0612.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.38	Split Peak	webbk	02/07/15 08:38

Lab Sample ID: 680-109515-24 Client Sample ID: HP0320E-CS6"

Date Analyzed: 02/06/15 20:36 Lab File ID: 2YB0613.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.38	Split Peak	webbk	02/07/15 08:39
Benzo[k]fluoranthene	10.40	Split Peak	webbk	02/07/15 08:39

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: CMSY Analysis Batch Number: 369958

Lab Sample ID: 680-109515-25 Client Sample ID: HP0320E-GS12"

Date Analyzed: 02/06/15 20:58 Lab File ID: 2YB0614.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.37	Split Peak	webbk	02/07/15 08:41
Benzo[k]fluoranthene	10.39	Split Peak	webbk	02/07/15 08:41

Lab Sample ID: 680-109515-26 Client Sample ID: HP0320E-GS18"

Date Analyzed: 02/06/15 21:20 Lab File ID: 2YB0615.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.37	Split Peak	webbk	02/07/15 08:42
Benzo[k]fluoranthene	10.39	Split Peak	webbk	02/07/15 08:42

Lab Sample ID: 680-109515-29 Client Sample ID: HP0320K-CS12"

Date Analyzed: 02/06/15 22:27 Lab File ID: 2YB0618.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.40	Split Peak	webbk	02/07/15 08:45

Lab Sample ID: 680-109515-30 Client Sample ID: HP0320K-GS18"

Date Analyzed: 02/06/15 22:50 Lab File ID: 2YB0619.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.37	Split Peak	webbk	02/07/15 08:46
Benzo[k]fluoranthene	10.39	Split Peak	webbk	02/07/15 08:46

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: CMSY Analysis Batch Number: 369958

Lab Sample ID: 680-109515-33 Client Sample ID: HP0320J-CS12"

Date Analyzed: 02/06/15 23:34 Lab File ID: 2YB0621.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.38	Split Peak	webbk	02/07/15 08:47
Benzo[k]fluoranthene	10.40	Split Peak	webbk	02/07/15 08:47

Lab Sample ID: 680-109515-34 Client Sample ID: HP0320J-GS18"

Date Analyzed: 02/06/15 23:56 Lab File ID: 2YB0622.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.40	Split Peak	webbk	02/07/15 08:48

Lab Sample ID: 680-109515-20 Client Sample ID: HP0320C-CS6"

Date Analyzed: 02/07/15 01:26 Lab File ID: 2YB0626.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.39	Split Peak	webbk	02/07/15 08:50
Benzo[k]fluoranthene	10.42	Split Peak	webbk	02/07/15 08:50

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: CMSY Analysis Batch Number: 370012

Lab Sample ID: 680-109515-A-49-E MS Client Sample ID:

Date Analyzed: 02/07/15 23:28 Lab File ID: 2YB0730.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenanthrene-d10	6.44	Peak Not Integrated	webbk	02/09/15 09:59
Phenanthrene	6.46	Peak Not Integrated	webbk	02/09/15 09:59
Benzo[k]fluoranthene	10.41	Peak Not Integrated	webbk	02/09/15 09:59

Lab Sample ID: 680-109515-A-49-F MSD Client Sample ID:

Date Analyzed: 02/07/15 23:50 Lab File ID: 2YB0731.D GC Column: RXi- 5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	10.42	Split Peak	webbk	02/09/15 10:03

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.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	OTPH	#
CV0627B-GS6"	680-109515-15	74	
CV0627B-GS12"	680-109515-16	65	
CV0627B-GS18"	680-109515-17	63	
CV0627B-GS24"	680-109515-18	61	
CV0627B-CS0-4"	680-109515-19	0	D
HP0320C-CS6"	680-109515-20	90	
HP0320C-CS12"	680-109515-21	73	
HP0320C-CS18"	680-109515-22	71	
HP0320C-CS24"	680-109515-23	71	
HP0320E-CS6"	680-109515-24	87	
HP0320E-GS12"	680-109515-25	76	
HP0320E-GS18"	680-109515-26	79	
HP0320E-GS24"	680-109515-27	71	
HP0320K-CS6"	680-109515-28	0	D
HP0320K-CS12"	680-109515-29	87	
HP0320K-GS18"	680-109515-30	85	
HP0320K-GS24"	680-109515-31	88	
HP0320J-CS6"	680-109515-32	77	
HP0320J-CS12"	680-109515-33	91	
HP0320J-GS18"	680-109515-34	100	
	MB 680-369207/21-A	72	
	MB 680-369210/18-A	112	
	MB 680-369331/9-A	109	
	LCS 680-369207/22-A	59	
	LCS 680-369210/19-A	92	
	LCS 680-369331/10-A	90	
CV0627B-GS6" MS	680-109515-15 MS	69	
	680-109515-A-6-B MS	66	
	680-109515-A-49-E MS	97	
CV0627B-GS6" MSD	680-109515-15 MSD	73	

	QC LIMITS
OTPH = o-Terphenyl	36-131

Column to be used to flag recovery values

FORM II 8270D_LL_PAH

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	OTPH #
	680-109515-A-6-C MSD	63
	680-109515-A-49-F MSD	114

	QC LIMITS
OTPH = o-Terphenyl	36-131

Column to be used to flag recovery values

FORM II 8270D_LL_PAH

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Level: Low Lab File ID: 1KB0613.D

Lab ID: LCS 680-369207/22-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	333	180	54	33-130	
Acenaphthylene	333	179	54	37-131	
Anthracene	333	194	58	42-146	
Benzo[a]anthracene	333	194	58	39-157	
Benzo[a]pyrene	333	192	58	41-158	
Benzo[b]fluoranthene	333	199	60	35-152	
Benzo[g,h,i]perylene	333	209	63	32-150	
Benzo[k]fluoranthene	333	188	56	38-148	
Chrysene	333	181	54	38-147	
Dibenz(a,h)anthracene	333	205	62	32-155	
Fluoranthene	333	201	60	36-147	
Fluorene	333	194	58	36-138	
Indeno[1,2,3-cd]pyrene	333	212	64	35-148	
1-Methylnaphthalene	333	179	54	36-130	
2-Methylnaphthalene	333	184	55	42-130	
Naphthalene	333	174	52	33-130	
Phenanthrene	333	184	55	40-135	
Pyrene	333	177	53	38-145	

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Level: Low Lab File ID: 2YB0606.D

Lab ID: LCS 680-369210/19-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	333	231	69	33-130	
Acenaphthylene	333	235	71	37-131	
Anthracene	333	255	77	42-146	
Benzo[a]anthracene	333	267	80	39-157	
Benzo[a]pyrene	333	254	76	41-158	
Benzo[b]fluoranthene	333	257	77	35-152	
Benzo[g,h,i]perylene	333	240	72	32-150	
Benzo[k]fluoranthene	333	265	80	38-148	
Chrysene	333	275	83	38-147	
Dibenz(a,h)anthracene	333	248	75	32-155	
Fluoranthene	333	246	74	36-147	
Fluorene	333	233	70	36-138	
Indeno[1,2,3-cd]pyrene	333	230	69	35-148	
1-Methylnaphthalene	333	210	63	36-130	
2-Methylnaphthalene	333	215	65	42-130	
Naphthalene	333	218	66	33-130	
Phenanthrene	333	241	72	40-135	
Pyrene	333	249	75	38-145	

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Level: Low Lab File ID: 2YB0708.D

Lab ID: LCS 680-369331/10-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	333	195	59	33-130	
Acenaphthylene	333	200	60	37-131	
Anthracene	333	207	62	42-146	
Benzo[a]anthracene	333	219	66	39-157	
Benzo[a]pyrene	333	215	65	41-158	
Benzo[b]fluoranthene	333	225	68	35-152	
Benzo[g,h,i]perylene	333	185	56	32-150	
Benzo[k]fluoranthene	333	222	67	38-148	
Chrysene	333	226	68	38-147	
Dibenz(a,h)anthracene	333	199	60	32-155	
Fluoranthene	333	202	61	36-147	
Fluorene	333	200	60	36-138	
Indeno[1,2,3-cd]pyrene	333	159	48	35-148	
1-Methylnaphthalene	333	188	57	36-130	
2-Methylnaphthalene	333	192	58	42-130	
Naphthalene	333	190	57	33-130	
Phenanthrene	333	210	63	40-135	
Pyrene	333	238	72	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.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Level: Low Lab File ID: 2YB0607.D

Lab ID: 680-109515-15 MS Client ID: CV0627B-GS6" MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	428	8.6 U	238	56	33-130	
Acenaphthylene	428	53	276	52	37-131	
Anthracene	428	62	299	55	42-146	
Benzo[a]anthracene	428	200	397	47	39-157	
Benzo[a]pyrene	428	200	404	47	41-158	
Benzo[b]fluoranthene	428	470	764	69	35-152	
Benzo[g,h,i]perylene	428	170	322	35	32-150	
Benzo[k]fluoranthene	428	160	296	31	38-148	F1
Chrysene	428	390	566	41	38-147	
Dibenz(a,h)anthracene	428	69	300	54	32-155	
Fluoranthene	428	240	434	45	36-147	
Fluorene	428	8.6 U	248	58	36-138	
Indeno[1,2,3-cd]pyrene	428	140	293	36	35-148	
1-Methylnaphthalene	428	190	278	20	36-130	F1
2-Methylnaphthalene	428	230	304	17	42-130	F1
Naphthalene	428	160	267	26	33-130	F1
Phenanthrene	428	350	534	42	40-135	
Pyrene	428	240	439	47	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.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Level: Low Lab File ID: 1KB0614.D

Lab ID: 680-109515-A-6-B MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	449	9.1 U	244	54	33-130	
Acenaphthylene	449	9.1 U	241	54	37-131	
Anthracene	449	9.1 U	272	61	42-146	
Benzo[a]anthracene	449	12	284	61	39-157	
Benzo[a]pyrene	449	13	274	58	41-158	
Benzo[b]fluoranthene	449	30	318	64	35-152	
Benzo[g,h,i]perylene	449	16	284	60	32-150	
Benzo[k]fluoranthene	449	8.3 J	266	57	38-148	
Chrysene	449	23	277	57	38-147	
Dibenz(a,h)anthracene	449	5.2 J	284	62	32-155	
Fluoranthene	449	27	305	62	36-147	
Fluorene	449	9.1 U	266	59	36-138	
Indeno[1,2,3-cd]pyrene	449	12	262	56	35-148	
1-Methylnaphthalene	449	4.5 J	241	53	36-130	
2-Methylnaphthalene	449	5.8 J	252	55	42-130	
Naphthalene	449	8.5 J	238	51	33-130	
Phenanthrene	449	16	273	57	40-135	
Pyrene	449	19	297	62	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.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Level: Low Lab File ID: 2YB0730.D

Lab ID: 680-109515-A-49-E MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	438	16	247	53	33-130	
Acenaphthylene	438	7.3 J	237	52	37-131	
Anthracene	438	19	232	49	42-146	
Benzo[a]anthracene	438	140	400	59	39-157	
Benzo[a]pyrene	438	160	380	51	41-158	
Benzo[b]fluoranthene	438	310	613	68	35-152	
Benzo[g,h,i]perylene	438	68	197	29	32-150	F1
Benzo[k]fluoranthene	438	120	327	48	38-148	
Chrysene	438	240	485	56	38-147	
Dibenz(a,h)anthracene	438	25	210	42	32-155	
Fluoranthene	438	270	420	35	36-147	F1
Fluorene	438	13	242	52	36-138	
Indeno[1,2,3-cd]pyrene	438	57	189	30	35-148	F1
1-Methylnaphthalene	438	35	256	50	36-130	
2-Methylnaphthalene	438	32	342	71	42-130	
Naphthalene	438	24	246	51	33-130	
Phenanthrene	438	240	367	29	40-135	F1
Pyrene	438	310	504	45	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.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Level: Low Lab File ID: 2YB0608.D

Lab ID: 680-109515-15 MSD Client ID: CV0627B-GS6" MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	429	254	59	7	50	33-130	
Acenaphthylene	429	289	55	5	50	37-131	
Anthracene	429	314	59	5	50	42-146	
Benzo[a]anthracene	429	410	50	3	50	39-157	
Benzo[a]pyrene	429	299	23	30	50	41-158	F1
Benzo[b]fluoranthene	429	770	70	1	50	35-152	
Benzo[g,h,i]perylene	429	327	37	2	50	32-150	
Benzo[k]fluoranthene	429	335	40	12	50	38-148	
Chrysene	429	605	50	7	50	38-147	
Dibenz(a,h)anthracene	429	323	59	7	50	32-155	
Fluoranthene	429	457	50	5	50	36-147	
Fluorene	429	264	61	6	50	36-138	
Indeno[1,2,3-cd]pyrene	429	303	39	3	50	35-148	
1-Methylnaphthalene	429	297	24	7	50	36-130	F1
2-Methylnaphthalene	429	324	21	6	50	42-130	F1
Naphthalene	429	281	29	5	50	33-130	F1
Phenanthrene	429	575	52	7	50	40-135	
Pyrene	429	471	54	7	50	38-145	

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Level: Low Lab File ID: 1KB0615.D

Lab ID: 680-109515-A-6-C MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	449	258	57	5	50	33-130	
Acenaphthylene	449	255	57	6	50	37-131	
Anthracene	449	289	64	6	50	42-146	
Benzo[a]anthracene	449	297	64	5	50	39-157	
Benzo[a]pyrene	449	287	61	5	50	41-158	
Benzo[b]fluoranthene	449	306	61	4	50	35-152	
Benzo[g,h,i]perylene	449	289	61	2	50	32-150	
Benzo[k]fluoranthene	449	300	65	12	50	38-148	
Chrysene	449	279	57	1	50	38-147	
Dibenz(a,h)anthracene	449	293	64	3	50	32-155	
Fluoranthene	449	316	64	4	50	36-147	
Fluorene	449	284	63	7	50	36-138	
Indeno[1,2,3-cd]pyrene	449	262	56	0	50	35-148	
1-Methylnaphthalene	449	253	55	5	50	36-130	
2-Methylnaphthalene	449	264	58	5	50	42-130	
Naphthalene	449	243	52	2	50	33-130	
Phenanthrene	449	279	58	2	50	40-135	
Pyrene	449	288	60	3	50	38-145	

Column to be used to flag recovery and RPD values

FORM III 8270D_LL_PAH

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Level: Low Lab File ID: 2YB0731.D

Lab ID: 680-109515-A-49-F MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	437	278	60	12	50	33-130	
Acenaphthylene	437	279	62	16	50	37-131	
Anthracene	437	286	61	21	50	42-146	
Benzo[a]anthracene	437	467	74	15	50	39-157	
Benzo[a]pyrene	437	430	63	12	50	41-158	
Benzo[b]fluoranthene	437	678	83	10	50	35-152	
Benzo[g,h,i]perylene	437	218	34	10	50	32-150	
Benzo[k]fluoranthene	437	347	53	6	50	38-148	
Chrysene	437	470	52	3	50	38-147	
Dibenz(a,h)anthracene	437	243	50	15	50	32-155	
Fluoranthene	437	503	54	18	50	36-147	
Fluorene	437	276	60	13	50	36-138	
Indeno[1,2,3-cd]pyrene	437	211	35	11	50	35-148	
1-Methylnaphthalene	437	295	60	14	50	36-130	
2-Methylnaphthalene	437	398	84	15	50	42-130	
Naphthalene	437	282	59	13	50	33-130	
Phenanthrene	437	487	56	28	50	40-135	
Pyrene	437	549	56	8	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.: 680-109515-2

SDG No.: 680-109515-02

Lab File ID: 1KB0612.D Lab Sample ID: MB 680-369207/21-A

Matrix: Solid Date Extracted: 02/02/2015 14:00

Instrument ID: CMSK Date Analyzed: 02/06/2015 16:43

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-369207/22-A	1KB0613.D	02/06/2015 17:06
	680-109515-A-6-B MS	1KB0614.D	02/06/2015 17:29
	680-109515-A-6-C MSD	1KB0615.D	02/06/2015 17:52
CV0627B-GS12"	680-109515-16	1KB0630.D	02/06/2015 23:34
CV0627B-GS18"	680-109515-17	1KB0631.D	02/06/2015 23:57
CV0627B-GS24"	680-109515-18	1KB0632.D	02/07/2015 00:20
HP0320C-CS6"	680-109515-20	2YB0626.D	02/07/2015 01:26
CV0627B-CS0-4"	680-109515-19	1KB0709.D	02/07/2015 12:37

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab File ID: 2YB0605.D Lab Sample ID: MB 680-369210/18-A

Matrix: Solid Date Extracted: 02/02/2015 14:35

Instrument ID: CMSY Date Analyzed: 02/06/2015 17:38

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-369210/19-A	2YB0606.D	02/06/2015 18:00
CV0627B-GS6" MS	680-109515-15 MS	2YB0607.D	02/06/2015 18:22
CV0627B-GS6" MSD	680-109515-15 MSD	2YB0608.D	02/06/2015 18:44
HP0320C-CS12"	680-109515-21	2YB0610.D	02/06/2015 19:29
HP0320C-CS18"	680-109515-22	2YB0611.D	02/06/2015 19:51
HP0320C-CS24"	680-109515-23	2YB0612.D	02/06/2015 20:13
HP0320E-CS6"	680-109515-24	2YB0613.D	02/06/2015 20:36
HP0320E-GS12"	680-109515-25	2YB0614.D	02/06/2015 20:58
HP0320E-GS18"	680-109515-26	2YB0615.D	02/06/2015 21:20
HP0320E-GS24"	680-109515-27	2YB0616.D	02/06/2015 21:43
HP0320K-CS12"	680-109515-29	2YB0618.D	02/06/2015 22:27
HP0320K-GS18"	680-109515-30	2YB0619.D	02/06/2015 22:50
HP0320K-GS24"	680-109515-31	2YB0620.D	02/06/2015 23:12
HP0320J-CS12"	680-109515-33	2YB0621.D	02/06/2015 23:34
HP0320J-GS18"	680-109515-34	2YB0622.D	02/06/2015 23:56
CV0627B-GS6"	680-109515-15	1KB0706.D	02/07/2015 11:29
HP0320K-CS6"	680-109515-28	1KB0708.D	02/07/2015 12:15

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab File ID: 2YB0706.D Lab Sample ID: MB 680-369331/9-A

Matrix: Solid Date Extracted: 02/03/2015 13:35

Instrument ID: CMSY Date Analyzed: 02/07/2015 14:33

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 680-369331/10-A	2YB0708.D	02/07/2015 15:18
HP0320J-CS6"	680-109515-32	1KB0733.D	02/07/2015 21:48
	680-109515-A-49-E MS	2YB0730.D	02/07/2015 23:28
	680-109515-A-49-F MSD	2YB0731.D	02/07/2015 23:50

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab File ID: 1KB0402.D DFTPP Injection Date: 02/04/2015

Instrument ID: CMSK DFTPP Injection Time: 09:05

Analysis Batch No.: 369458

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	28.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	25.8	
70	Less than 2.0 % of mass 69	0.2	(0.8)1
127	10.0 - 80.0 % of mass 442	33.4	
197	Less than 2.0 % of mass 198	0.0	(0.0)2
198	Greater than 50.0 % of mass 442	72.8	
199	5.0 - 9.0 % of mass 198	4.9	(6.8)2
275	10.0 - 60.0 % of mass 442	20.6	
365	Greater than 1.0 % of mass 442	3.7	
441	Present but less than mass 443	16.8	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	18.7	

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 680-369458/3	1KB0403.D	02/04/2015	09:19
	IC 680-369458/4	1KB0404.D	02/04/2015	09:42
	IC 680-369458/5	1KB0405.D	02/04/2015	10:05
	IC 680-369458/6	1KB0406.D	02/04/2015	10:27
	IC 680-369458/7	1KB0407.D	02/04/2015	10:50
	IC 680-369458/8	1KB0408.D	02/04/2015	11:13
	IC 680-369458/9	1KB0409.D	02/04/2015	11:35
	ICV 680-369458/10	1KB0410.D	02/04/2015	11:59

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab File ID: 1KB0601.D DFTPP Injection Date: 02/06/2015

Instrument ID: CMSK DFTPP Injection Time: 12:40

Analysis Batch No.: 369912

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	25.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	24.6	
70	Less than 2.0 % of mass 69	0.3	(1.1)1
127	10.0 - 80.0 % of mass 442	31.9	
197	Less than 2.0 % of mass 198	0.0	(0.0)2
198	Greater than 50.0 % of mass 442	71.6	
199	5.0 - 9.0 % of mass 198	4.9	(6.8)2
275	10.0 - 60.0 % of mass 442	20.3	
365	Greater than 1.0 % of mass 442	3.5	
441	Present but less than mass 443	16.5	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	19.6	

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 680-369912/2	1KB0602.D	02/06/2015	12:54
	MB 680-369207/21-A	1KB0612.D	02/06/2015	16:43
	LCS 680-369207/22-A	1KB0613.D	02/06/2015	17:06
	680-109515-A-6-B MS	1KB0614.D	02/06/2015	17:29
	680-109515-A-6-C MSD	1KB0615.D	02/06/2015	17:52
CV0627B-GS12"	680-109515-16	1KB0630.D	02/06/2015	23:34
CV0627B-GS18"	680-109515-17	1KB0631.D	02/06/2015	23:57
CV0627B-GS24"	680-109515-18	1KB0632.D	02/07/2015	00:20

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab File ID: 1KB0702.D DFTPP Injection Date: 02/07/2015

Instrument ID: CMSK DFTPP Injection Time: 10:06

Analysis Batch No.: 369988

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	24.2	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	23.3	
70	Less than 2.0 % of mass 69	0.2	(1.0)1
127	10.0 - 80.0 % of mass 442	29.6	
197	Less than 2.0 % of mass 198	0.0	(0.0)2
198	Greater than 50.0 % of mass 442	68.0	
199	5.0 - 9.0 % of mass 198	4.3	(6.4)2
275	10.0 - 60.0 % of mass 442	19.1	
365	Greater than 1.0 % of mass 442	3.3	
441	Present but less than mass 443	16.7	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	19.3	

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 680-369988/3	1KB0703.D	02/07/2015	10:20
CV0627B-GS6"	680-109515-15	1KB0706.D	02/07/2015	11:29
HP0320K-CS6"	680-109515-28	1KB0708.D	02/07/2015	12:15
CV0627B-CS0-4"	680-109515-19	1KB0709.D	02/07/2015	12:37
HP0320J-CS6"	680-109515-32	1KB0733.D	02/07/2015	21:48

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab File ID: 3YB0301.D DFTPP Injection Date: 02/03/2015

Instrument ID: CMSY DFTPP Injection Time: 16:22

Analysis Batch No.: 369429

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	26.4	
68	Less than 2.0 % of mass 69	0.5	(1.8)1
69	Mass 69 relative abundance	25.7	
70	Less than 2.0 % of mass 69	0.1	(0.6)1
127	10.0 - 80.0 % of mass 442	33.7	
197	Less than 2.0 % of mass 198	0.0	(0.0)2
198	Greater than 50.0 % of mass 442	69.8	
199	5.0 - 9.0 % of mass 198	4.7	(6.7)2
275	10.0 - 60.0 % of mass 442	20.9	
365	Greater than 1.0 % of mass 442	3.2	
441	Present but less than mass 443	15.9	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	19.1	

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 680-369429/2	3YB0302.D	02/03/2015	16:39
	IC 680-369429/3	3YB0303.D	02/03/2015	17:02
	IC 680-369429/4	3YB0304.D	02/03/2015	17:25
	IC 680-369429/5	3YB0305.D	02/03/2015	17:48
	IC 680-369429/6	3YB0306.D	02/03/2015	18:11
	IC 680-369429/7	3YB0307.D	02/03/2015	18:34
	IC 680-369429/8	3YB0308.D	02/03/2015	18:57
	ICV 680-369429/9	3YB0309.D	02/03/2015	19:20

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab File ID: 2YB0601.D DFTPP Injection Date: 02/06/2015

Instrument ID: CMSY DFTPP Injection Time: 16:08

Analysis Batch No.: 369958

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	21.7	
68	Less than 2.0 % of mass 69	0.4	(1.6)1
69	Mass 69 relative abundance	26.6	
70	Less than 2.0 % of mass 69	0.1	(0.5)1
127	10.0 - 80.0 % of mass 442	33.4	
197	Less than 2.0 % of mass 198	0.0	(0.0)2
198	Greater than 50.0 % of mass 442	69.0	
199	5.0 - 9.0 % of mass 198	4.9	(7.1)2
275	10.0 - 60.0 % of mass 442	17.3	
365	Greater than 1.0 % of mass 442	2.0	
441	Present but less than mass 443	14.8	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	20.1	

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 680-369958/2	2YB0602.D	02/06/2015	16:31
	MB 680-369210/18-A	2YB0605.D	02/06/2015	17:38
	LCS 680-369210/19-A	2YB0606.D	02/06/2015	18:00
CV0627B-GS6" MS	680-109515-15 MS	2YB0607.D	02/06/2015	18:22
CV0627B-GS6" MSD	680-109515-15 MSD	2YB0608.D	02/06/2015	18:44
HP0320C-CS12"	680-109515-21	2YB0610.D	02/06/2015	19:29
HP0320C-CS18"	680-109515-22	2YB0611.D	02/06/2015	19:51
HP0320C-CS24"	680-109515-23	2YB0612.D	02/06/2015	20:13
HP0320E-CS6"	680-109515-24	2YB0613.D	02/06/2015	20:36
HP0320E-GS12"	680-109515-25	2YB0614.D	02/06/2015	20:58
HP0320E-GS18"	680-109515-26	2YB0615.D	02/06/2015	21:20
HP0320E-GS24"	680-109515-27	2YB0616.D	02/06/2015	21:43
HP0320K-CS12"	680-109515-29	2YB0618.D	02/06/2015	22:27
HP0320K-GS18"	680-109515-30	2YB0619.D	02/06/2015	22:50
HP0320K-GS24"	680-109515-31	2YB0620.D	02/06/2015	23:12
HP0320J-CS12"	680-109515-33	2YB0621.D	02/06/2015	23:34
HP0320J-GS18"	680-109515-34	2YB0622.D	02/06/2015	23:56
HP0320C-CS6"	680-109515-20	2YB0626.D	02/07/2015	01:26

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab File ID: 2YB0701.D DFTPP Injection Date: 02/07/2015

Instrument ID: CMSY DFTPP Injection Time: 12:42

Analysis Batch No.: 370012

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 442	17.5	
68	Less than 2.0 % of mass 69	0.4	(1.8)1
69	Mass 69 relative abundance	21.3	
70	Less than 2.0 % of mass 69	0.1	(0.7)1
127	10.0 - 80.0 % of mass 442	28.6	
197	Less than 2.0 % of mass 198	0.4	(0.6)2
198	Greater than 50.0 % of mass 442	63.6	
199	5.0 - 9.0 % of mass 198	4.3	(6.8)2
275	10.0 - 60.0 % of mass 442	17.2	
365	Greater than 1.0 % of mass 442	1.9	
441	Present but less than mass 443	14.6	
442	Base Peak, 100% relative abundance	100.0	
443	15.0 - 24.0 % of mass 442	19.7	

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 680-370012/2	2YB0702.D	02/07/2015	13:04
	MB 680-369331/9-A	2YB0706.D	02/07/2015	14:33
	LCS 680-369331/10-A	2YB0708.D	02/07/2015	15:18
	680-109515-A-49-E MS	2YB0730.D	02/07/2015	23:28
	680-109515-A-49-F MSD	2YB0731.D	02/07/2015	23:50

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Sample No.: ICIS 680-369458/3 Date Analyzed: 02/04/2015 09:19

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

Lab File ID (Standard): 1KB0403.D Heated Purge: (Y/N) N

Calibration ID: 37411

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		303097	4.21	158513	6.01	228412	7.62
UPPER LIMIT		606194	4.71	317026	6.51	456824	8.12
LOWER LIMIT		151549	3.71	79257	5.51	114206	7.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 680-369458/10		405061	4.21	219482	6.01	331080	7.62

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.: 680-109515-2

SDG No.: 680-109515-02

Sample No.: ICIS 680-369458/3 Date Analyzed: 02/04/2015 09:19

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

Lab File ID (Standard): 1KB0403.D Heated Purge: (Y/N) N

Calibration ID: 37411

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		191819	10.45	178307	11.96		
UPPER LIMIT		383638	10.95	356614	12.46		
LOWER LIMIT		95910	9.95	89154	11.46		
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 680-369458/10		280256	10.44	245214	11.95		

CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM VIII 8270D_LL_PAH

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Sample No.: CCVIS 680-369912/2 Date Analyzed: 02/06/2015 12:54

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

Lab File ID (Standard): 1KB0602.D Heated Purge: (Y/N) N

Calibration ID: 37411

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		414764	4.13	217761	5.91	321111	7.53
UPPER LIMIT		829528	4.63	435522	6.41	642222	8.03
LOWER LIMIT		207382	3.63	108881	5.41	160556	7.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-369207/21-A		564491	4.11	308462	5.91	470780	7.52
LCS 680-369207/22-A		528679	4.12	297443	5.91	459823	7.53
680-109515-A-6-B MS		524024	4.12	290080	5.91	448403	7.53
680-109515-A-6-C MSD		523656	4.12	297858	5.91	473255	7.53
680-109515-16	CV0627B-GS12"	552140	4.12	312843	5.92	504913	7.53
680-109515-17	CV0627B-GS18"	534356	4.12	306595	5.91	499705	7.53
680-109515-18	CV0627B-GS24"	569393	4.12	320648	5.91	522962	7.53

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.: 680-109515-2

SDG No.: 680-109515-02

Sample No.: CCVIS 680-369912/2 Date Analyzed: 02/06/2015 12:54

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

Lab File ID (Standard): 1KB0602.D Heated Purge: (Y/N) N

Calibration ID: 37411

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		286978	10.35	261909	11.82		
UPPER LIMIT		573956	10.85	523818	12.32		
LOWER LIMIT		143489	9.85	130955	11.32		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-369207/21-A		405215	10.35	363833	11.82		
LCS 680-369207/22-A		436943	10.35	413369	11.82		
680-109515-A-6-B MS		368238	10.35	303389	11.83		
680-109515-A-6-C MSD		415091	10.35	334848	11.83		
680-109515-16	CV0627B-GS12"	399604	10.36	293350	11.85		
680-109515-17	CV0627B-GS18"	426895	10.36	321131	11.84		
680-109515-18	CV0627B-GS24"	450734	10.36	341320	11.84		

CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM VIII 8270D_LL_PAH

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Sample No.: CCVIS 680-369988/3 Date Analyzed: 02/07/2015 10:20

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

Lab File ID (Standard): 1KB0703.D Heated Purge: (Y/N) N

Calibration ID: 37411

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		482322	4.09	249705	5.88	337205	7.49
UPPER LIMIT		964644	4.59	499410	6.38	674410	7.99
LOWER LIMIT		241161	3.59	124853	5.38	168603	6.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
680-109515-15	CV0627B-GS6"	469779	4.09	277280	5.88	417025	7.50
680-109515-28	HP0320K-CS6"	631108	4.09	341092	5.88	537253	7.49
680-109515-19	CV0627B-CS0-4"	648257	4.09	353384	5.88	543927	7.49
680-109515-32	HP0320J-CS6"	765023	4.09	430857	5.88	630664	7.50

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.: 680-109515-2

SDG No.: 680-109515-02

Sample No.: CCVIS 680-369988/3 Date Analyzed: 02/07/2015 10:20

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

Lab File ID (Standard): 1KB0703.D Heated Purge: (Y/N) N

Calibration ID: 37411

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		307561	10.32	302061	11.79		
UPPER LIMIT		615122	10.82	604122	12.29		
LOWER LIMIT		153781	9.82	151031	11.29		
LAB SAMPLE ID	CLIENT SAMPLE ID						
680-109515-15	CV0627B-GS6"	350615	10.33	287900	11.81		
680-109515-28	HP0320K-CS6"	524932	10.32	442355	11.79		
680-109515-19	CV0627B-CS0-4"	496005	10.32	392038	11.79		
680-109515-32	HP0320J-CS6"	457974	10.34	294080	11.83		

CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM VIII 8270D_LL_PAH

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Sample No.: ICIS 680-369429/2 Date Analyzed: 02/03/2015 16:39

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

Lab File ID (Standard): 3YB0302.D Heated Purge: (Y/N) N

Calibration ID: 37398

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		380714	3.32	229618	5.08	396328	6.69
UPPER LIMIT		761428	3.82	459236	5.58	792656	7.19
LOWER LIMIT		190357	2.82	114809	4.58	198164	6.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 680-369429/9		447291	3.32	270218	5.08	450521	6.69

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.: 680-109515-2

SDG No.: 680-109515-02

Sample No.: ICIS 680-369429/2 Date Analyzed: 02/03/2015 16:39

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

Lab File ID (Standard): 3YB0302.D Heated Purge: (Y/N) N

Calibration ID: 37398

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		398097	9.59	389928	10.95		
UPPER LIMIT		796194	10.09	779856	11.45		
LOWER LIMIT		199049	9.09	194964	10.45		
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 680-369429/9		480225	9.59	462159	10.95		

CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM VIII 8270D_LL_PAH

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Sample No.: CCVIS 680-369958/2 Date Analyzed: 02/06/2015 16:31

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

Lab File ID (Standard): 2YB0602.D Heated Purge: (Y/N) N

Calibration ID: 37398

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		402952	3.11	222388	4.84	363582	6.44
UPPER LIMIT		805904	3.61	444776	5.34	727164	6.94
LOWER LIMIT		201476	2.61	111194	4.34	181791	5.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-369210/18-A		406267	3.10	236024	4.84	388912	6.44
LCS 680-369210/19-A		430938	3.11	236440	4.84	385593	6.44
680-109515-15 MS	CV0627B-GS6" MS	609386	3.11	270490	4.85	410864	6.45
680-109515-15 MSD	CV0627B-GS6" MSD	698218	3.11	294653	4.85	438191	6.46
680-109515-21	HP0320C-CS12"	480341	3.10	285801	4.84	490419	6.45
680-109515-22	HP0320C-CS18"	484282	3.11	291889	4.84	507842	6.44
680-109515-23	HP0320C-CS24"	481931	3.10	284918	4.84	495710	6.45
680-109515-24	HP0320E-CS6"	517538	3.10	305995	4.84	532331	6.45
680-109515-25	HP0320E-GS12"	537194	3.10	325941	4.84	554879	6.45
680-109515-26	HP0320E-GS18"	474835	3.10	283555	4.84	492100	6.45
680-109515-27	HP0320E-GS24"	493143	3.10	293644	4.84	502811	6.45
680-109515-29	HP0320K-CS12"	486577	3.11	292521	4.85	504419	6.45
680-109515-30	HP0320K-GS18"	511583	3.10	304955	4.85	530609	6.45
680-109515-31	HP0320K-GS24"	440536	3.11	260828	4.85	455063	6.45
680-109515-33	HP0320J-CS12"	490187	3.11	295983	4.85	504109	6.45
680-109515-34	HP0320J-GS18"	419259	3.11	248653	4.85	435861	6.45
680-109515-20	HP0320C-CS6"	498403	3.11	283152	4.85	467866	6.46

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.: 680-109515-2

SDG No.: 680-109515-02

Sample No.: CCVIS 680-369958/2 Date Analyzed: 02/06/2015 16:31

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

Lab File ID (Standard): 2YB0602.D Heated Purge: (Y/N) N

Calibration ID: 37398

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		354612	9.32	313579	10.68		
UPPER LIMIT		709224	9.82	627158	11.18		
LOWER LIMIT		177306	8.82	156790	10.18		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-369210/18-A		317707	9.32	240117	10.68		
LCS 680-369210/19-A		368603	9.34	332691	10.68		
680-109515-15 MS	CV0627B-GS6" MS	405001	9.36	338437	10.72		
680-109515-15 MSD	CV0627B-GS6" MSD	412514	9.36	334106	10.73		
680-109515-21	HP0320C-CS12"	415840	9.34	304112	10.69		
680-109515-22	HP0320C-CS18"	466282	9.34	365870	10.69		
680-109515-23	HP0320C-CS24"	438786	9.34	317892	10.69		
680-109515-24	HP0320E-CS6"	424836	9.35	320228	10.70		
680-109515-25	HP0320E-GS12"	466256	9.34	338815	10.70		
680-109515-26	HP0320E-GS18"	439360	9.34	327484	10.70		
680-109515-27	HP0320E-GS24"	445604	9.34	330131	10.70		
680-109515-29	HP0320K-CS12"	392761	9.35	299288	10.70		
680-109515-30	HP0320K-GS18"	394336	9.34	286543	10.70		
680-109515-31	HP0320K-GS24"	357076	9.34	264925	10.70		
680-109515-33	HP0320J-CS12"	389350	9.35	290374	10.71		
680-109515-34	HP0320J-GS18"	324742	9.35	232000	10.71		
680-109515-20	HP0320C-CS6"	309076	9.36	222364	10.72		

CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM VIII 8270D_LL_PAH

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Sample No.: CCVIS 680-370012/2 Date Analyzed: 02/07/2015 13:04

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

Lab File ID (Standard): 2YB0702.D Heated Purge: (Y/N) N

Calibration ID: 37398

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		400531	3.08	237740	4.81	388191	6.40
UPPER LIMIT		801062	3.58	475480	5.31	776382	6.90
LOWER LIMIT		200266	2.58	118870	4.31	194096	5.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-369331/9-A		532991	3.07	312243	4.81	503530	6.40
LCS 680-369331/10-A		508407	3.08	300674	4.81	494421	6.40
680-109515-A-49-E MS		567142	3.09	312699	4.83	482784	6.44
680-109515-A-49-F MSD		494910	3.09	276181	4.83	391981	6.44

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.: 680-109515-2

SDG No.: 680-109515-02

Sample No.: CCVIS 680-370012/2 Date Analyzed: 02/07/2015 13:04

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

Lab File ID (Standard): 2YB0702.D Heated Purge: (Y/N) N

Calibration ID: 37398

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD				280125	10.65		
UPPER LIMIT				560250	11.15		
LOWER LIMIT				140063	10.15		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-369331/9-A		347363	9.29	245128	10.65		
LCS 680-369331/10-A		410932	9.30	321011	10.65		
680-109515-A-49-E MS		320790	9.35	252013	10.72		
680-109515-A-49-F MSD		294175	9.35	226815	10.72		

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.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: CV0627B-GS6" | Lab Sample ID: 680-109515-15

Matrix: Solid | Lab File ID: 1KB0706.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 09:05

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.05(g) | Date Analyzed: 02/07/2015 11:29

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

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

% Moisture: 22.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369988 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.6	U	8.6	4.2
208-96-8	Acenaphthylene	53		8.6	4.2
120-12-7	Anthracene	62		8.6	4.2
56-55-3	Benzo[a]anthracene	200		8.6	4.2
50-32-8	Benzo[a]pyrene	200		8.6	1.5
205-99-2	Benzo[b]fluoranthene	470		8.6	4.2
191-24-2	Benzo[g,h,i]perylene	170		8.6	4.2
207-08-9	Benzo[k]fluoranthene	160		8.6	2.6
218-01-9	Chrysene	390		8.6	4.2
53-70-3	Dibenz(a,h)anthracene	69		8.6	4.2
206-44-0	Fluoranthene	240		8.6	4.2
86-73-7	Fluorene	8.6	U	8.6	4.2
193-39-5	Indeno[1,2,3-cd]pyrene	140		8.6	4.2
90-12-0	1-Methylnaphthalene	190		8.6	4.0
91-57-6	2-Methylnaphthalene	230		8.6	4.2
91-20-3	Naphthalene	160		8.6	4.2
85-01-8	Phenanthrene	350		8.6	3.1
129-00-0	Pyrene	240		8.6	4.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	74		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0706.D
Lims ID: 680-109515-A-15-A Lab Sample ID: 680-109515-15
Client ID: CV0627B-GS6"
Sample Type: Client
Inject. Date: 07-Feb-2015 11:29:30 ALS Bottle#: 5 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 680-109515-A-15-A
Misc. Info.: 680-0016917-006
Operator ID: Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 09-Feb-2015 10:58:38 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: webbk Date: 07-Feb-2015 12:41:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.090	4.090	0.000	97	469779	2.00	
* 2 Acenaphthene-d10	164	5.882	5.882	0.000	86	277280	2.00	
* 3 Phenanthrene-d10	188	7.498	7.492	0.006	95	417025	2.00	
* 4 Chrysene-d12	240	10.330	10.324	0.006	89	350615	2.00	
* 5 Perylene-d12	264	11.811	11.793	0.018	96	287900	2.00	
$ 6 o-Terphenyl	230	7.939	7.933	0.006	87	203400	1.47	
7 Naphthalene	128	4.108	4.114	-0.006	96	979208	3.64	
9 2-Methylnaphthalene	142	4.789	4.789	0.000	82	916391	5.43	
8 1-Methylnaphthalene	142	4.889	4.889	0.000	81	690478	4.52	
11 Acenaphthylene	152	5.730	5.730	0.000	94	331011	1.24	
15 Phenanthrene	178	7.527	7.522	0.005	97	2143905	8.25	
16 Anthracene	178	7.580	7.575	0.005	86	350211	1.46	
17 Fluoranthene	202	8.832	8.820	0.012	98	1532890	5.68	
18 Pyrene	202	9.073	9.061	0.012	96	1567761	5.55	
19 Benzo[a]anthracene	228	10.324	10.313	0.011	88	1034509	4.57	
20 Chrysene	228	10.360	10.348	0.012	81	1981027	9.14	
21 Benzo[b]fluoranthene	252	11.400	11.382	0.018	89	2188433	10.9	M
22 Benzo[k]fluoranthene	252	11.411	11.411	0.000	88	748167	3.84	M
23 Benzo[a]pyrene	252	11.746	11.734	0.012	85	813421	4.70	
24 Indeno[1,2,3-cd]pyrene	276	13.215	13.192	0.023	87	594987	3.20	
25 Dibenz(a,h)anthracene	278	13.239	13.221	0.018	94	213183	1.62	
26 Benzo[g,h,i]perylene	276	13.638	13.609	0.029	81	570991	3.97	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

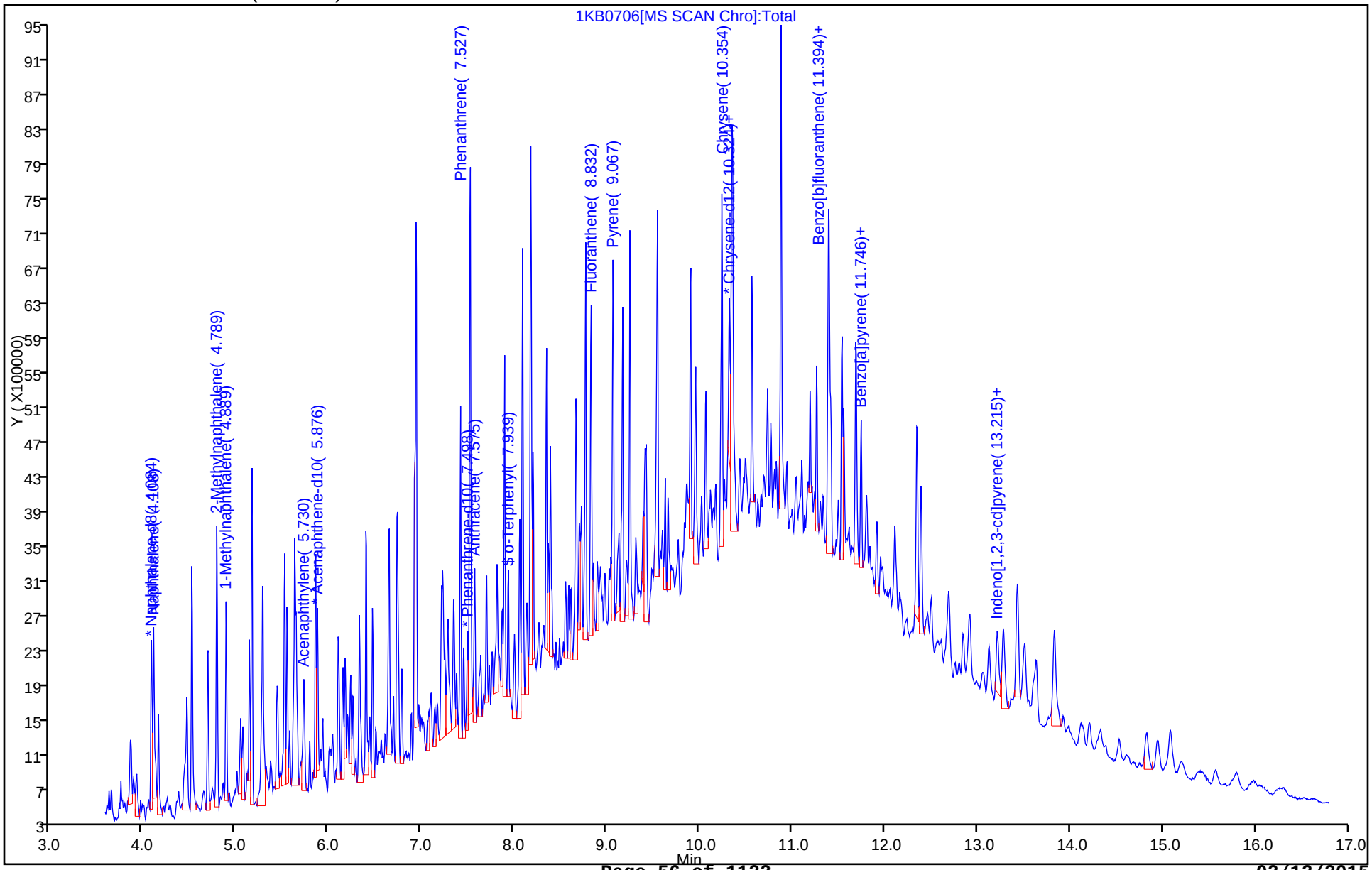
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Feb-2015 10:58:41 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0706.D				
Injection Date:	07-Feb-2015 11:29:30	Instrument ID:	CMSK	Operator ID:	
Lims ID:	680-109515-A-15-A	Lab Sample ID:	680-109515-15	Worklist Smp#:	6
Client ID:	CV0627B-GS6"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



Report Date: 09-Feb-2015 10:58:41 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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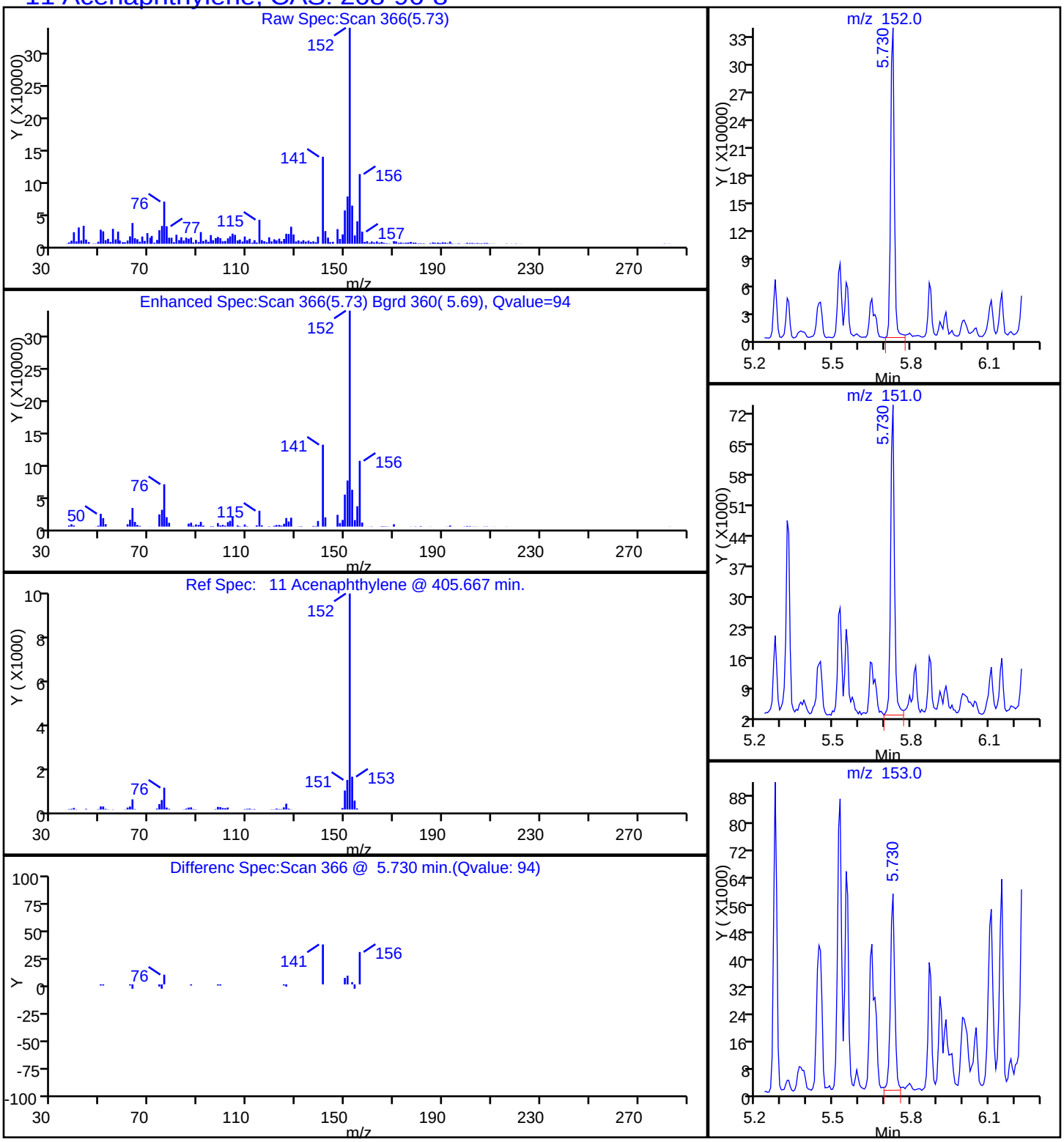
Lims ID:	680-109515-A-15-A	Lab Sample ID:	680-109515-15		
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

11 Acenaphthylene, CAS: 208-96-8



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TestAmerica Savannah

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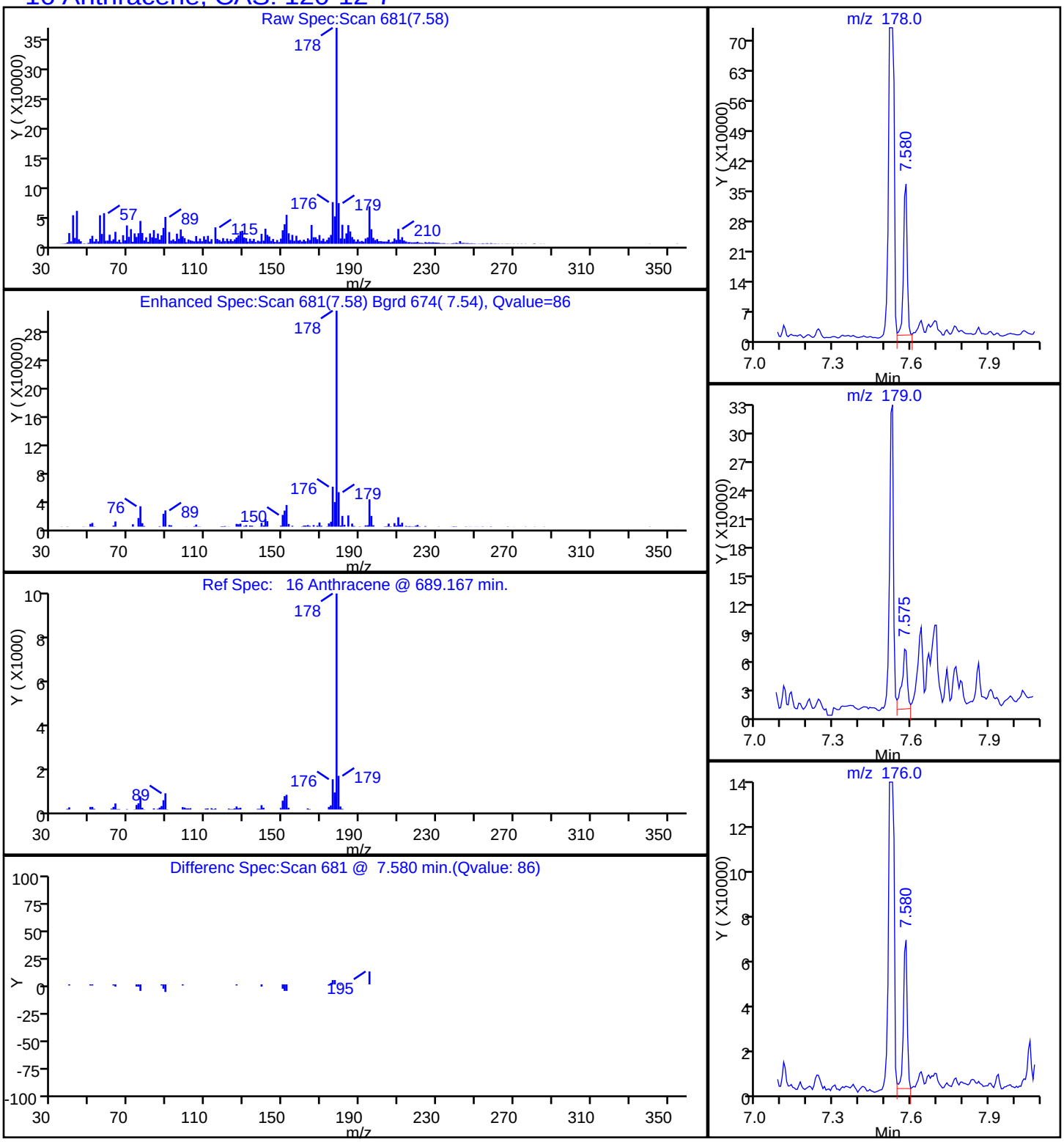
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7



Report Date: 09-Feb-2015 10:58:41 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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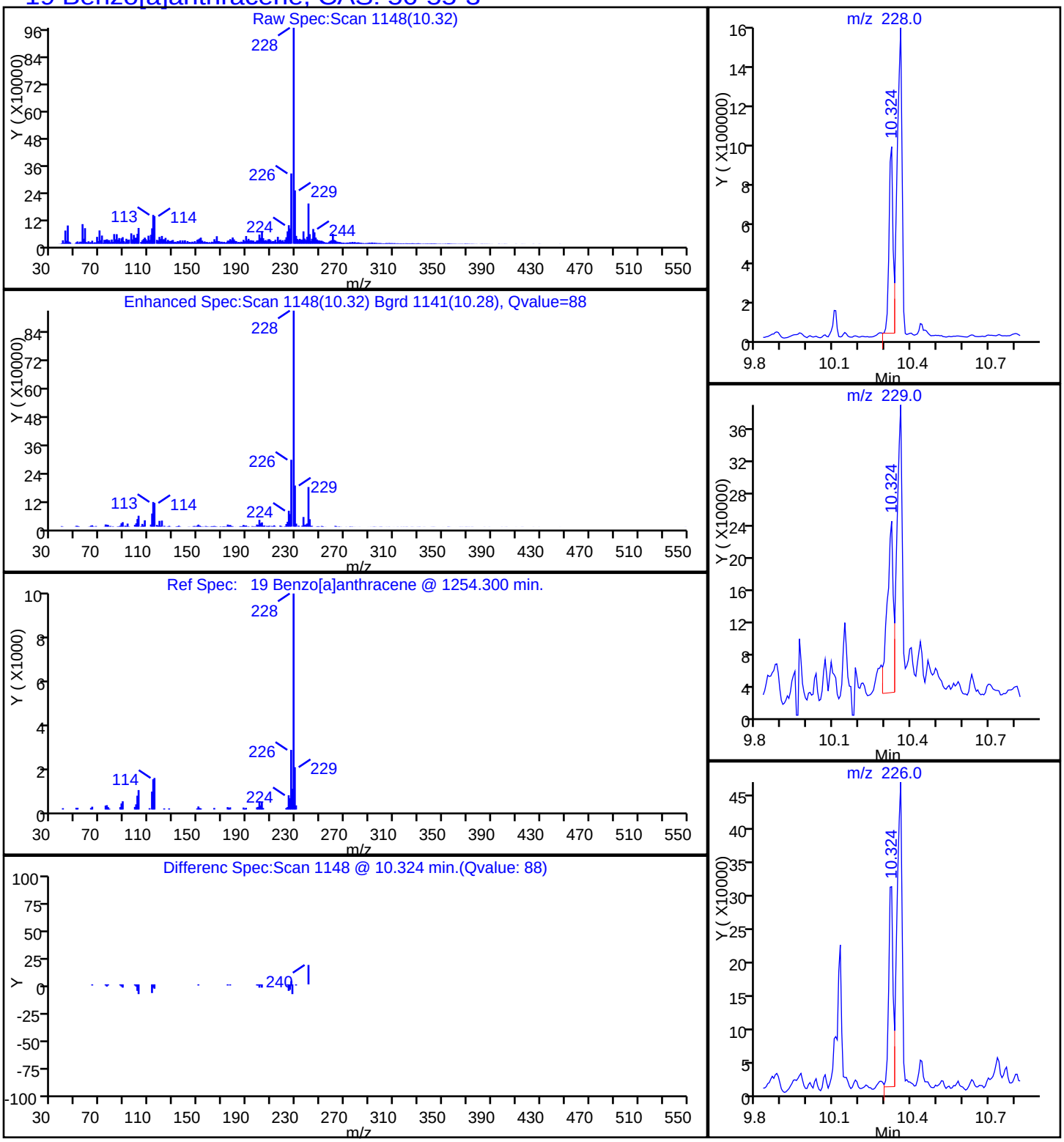
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 09-Feb-2015 10:58:42 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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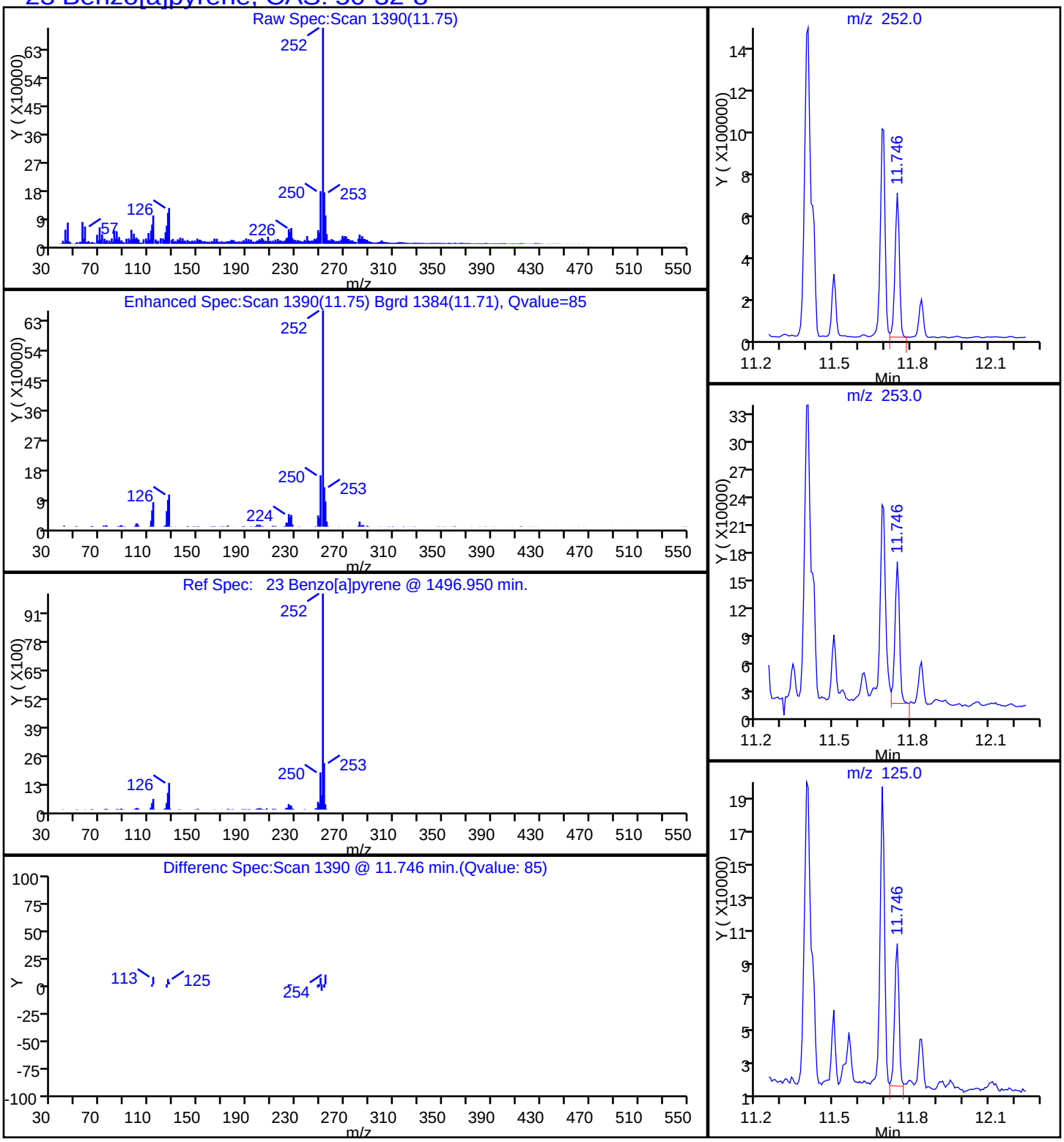
Lims ID:	680-109515-A-15-A	Lab Sample ID:	680-109515-15		
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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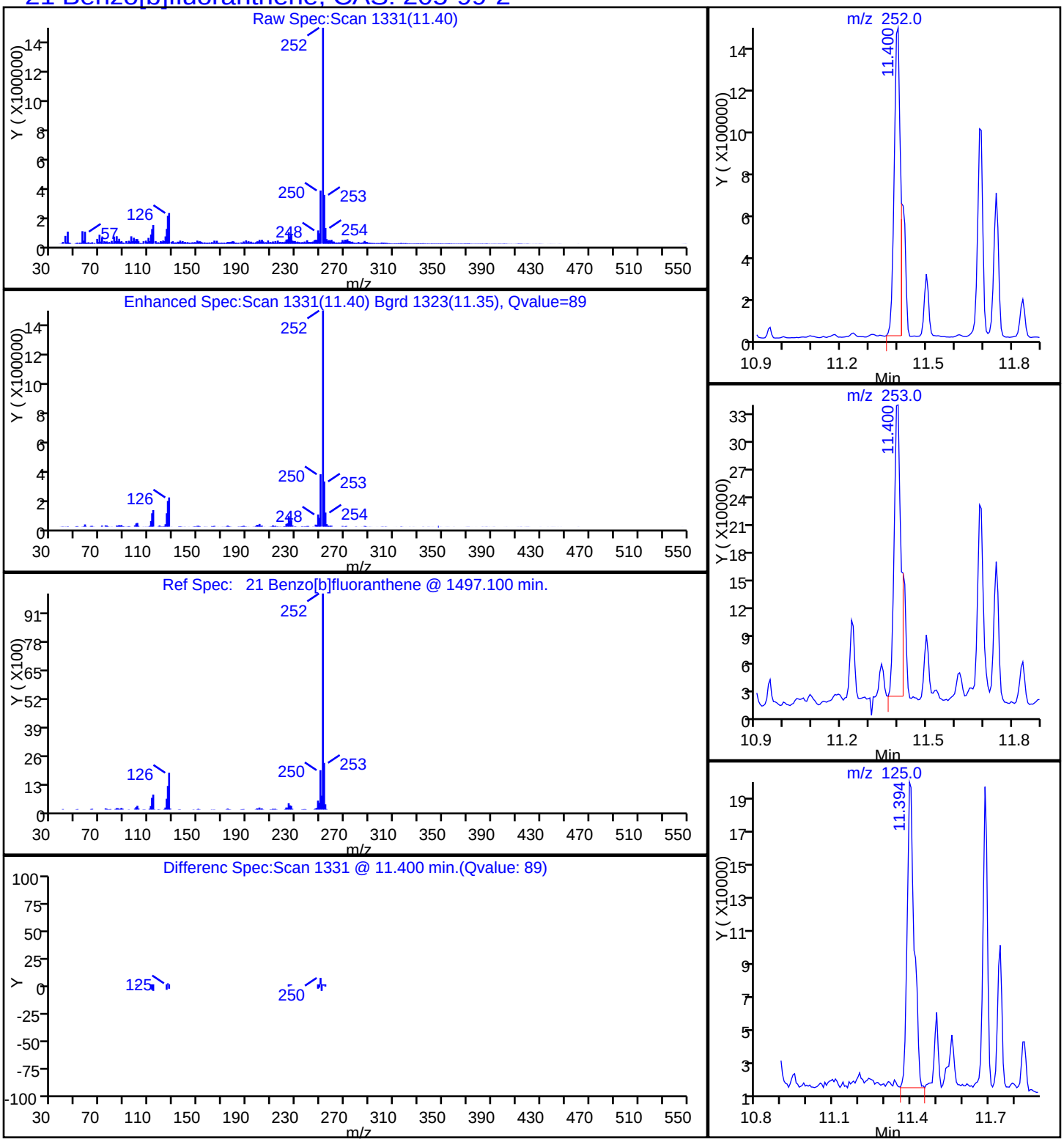
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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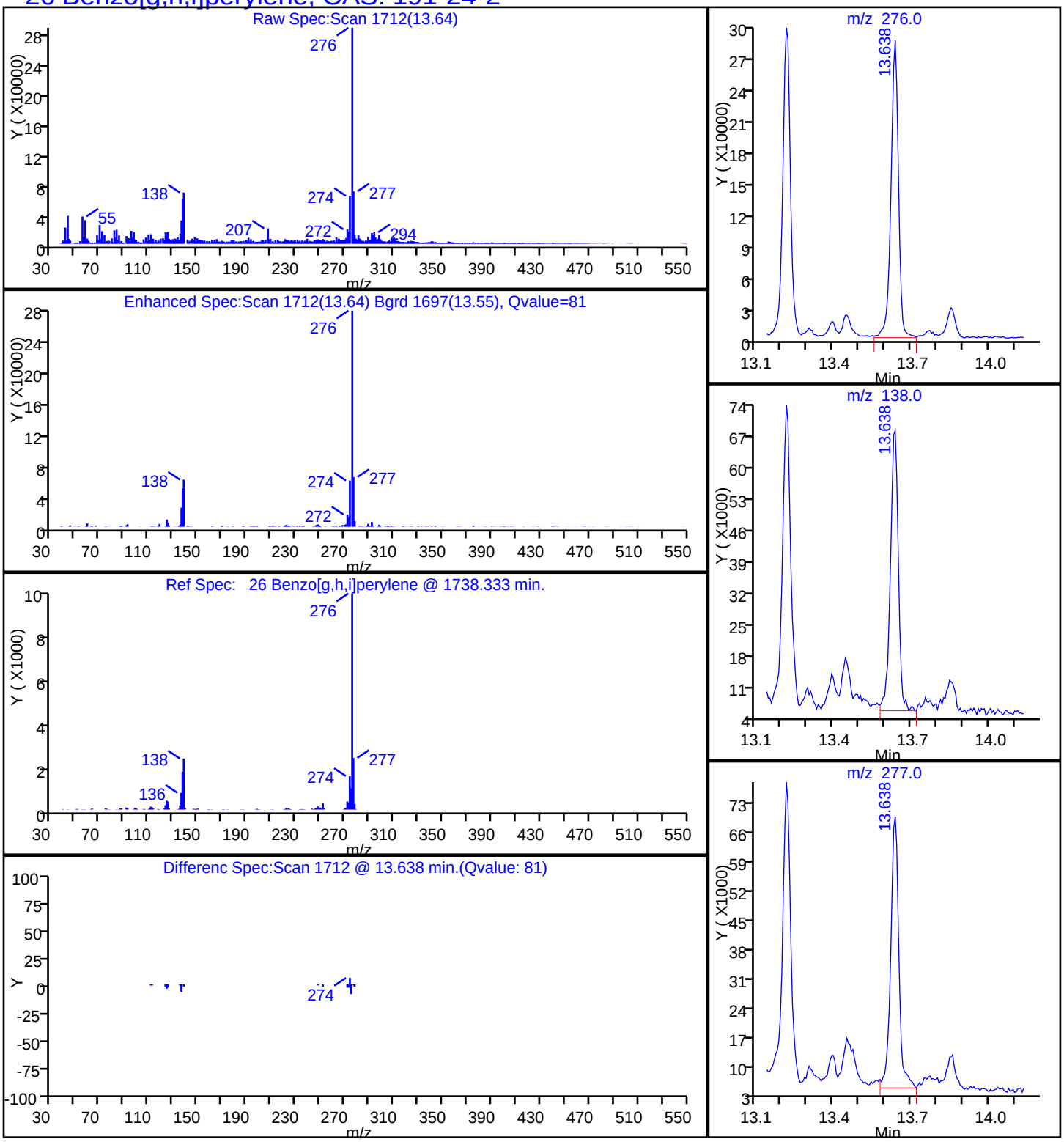
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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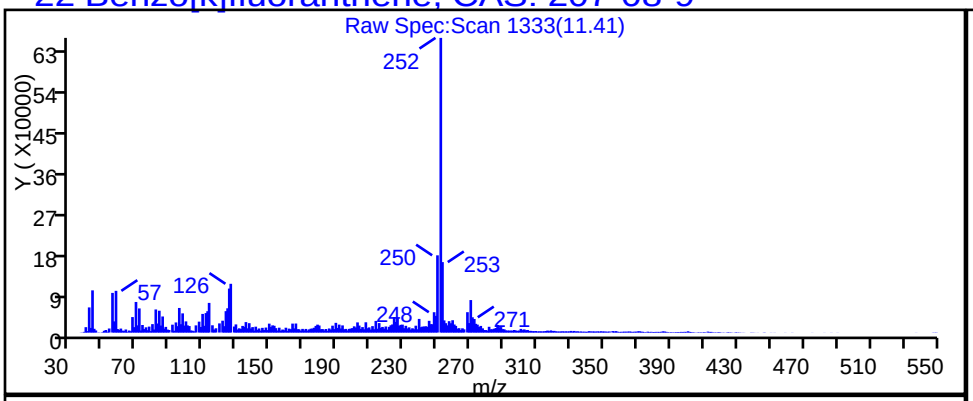
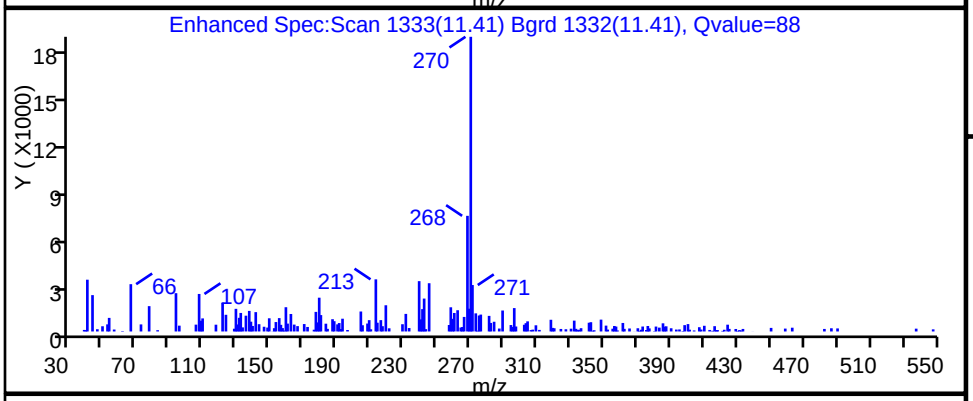
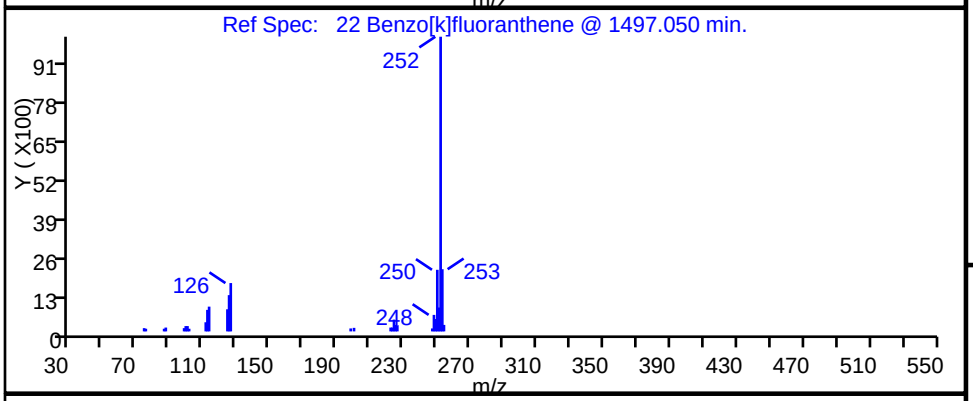
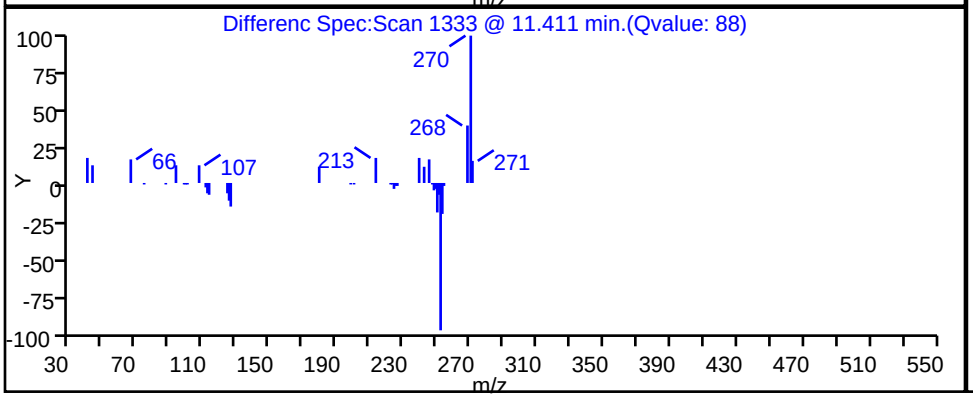
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

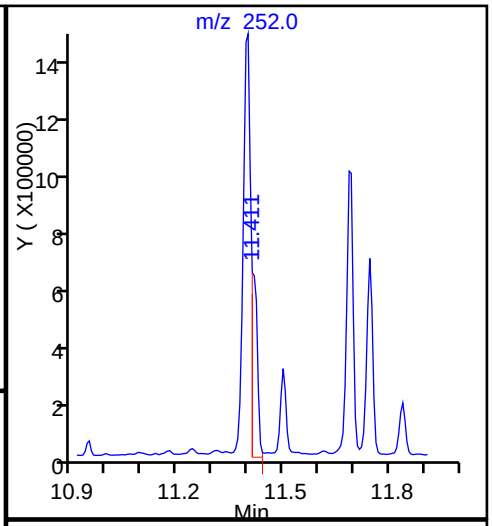
22 Benzo[k]fluoranthene, CAS: 207-08-9

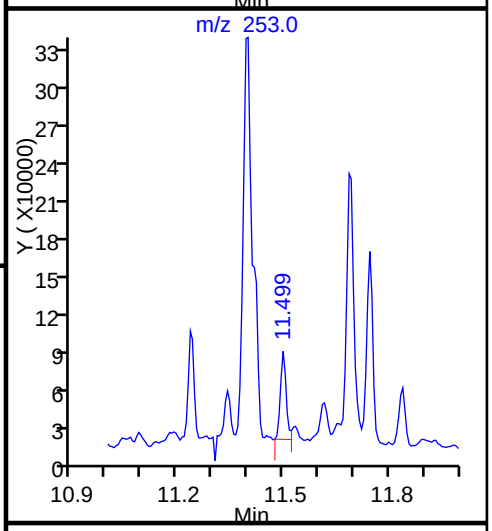


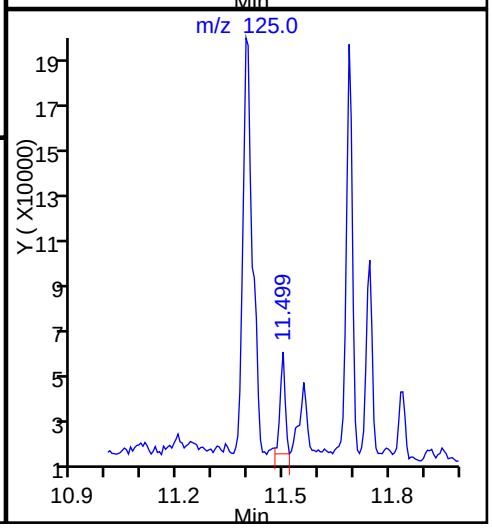












Report Date: 09-Feb-2015 10:58:41 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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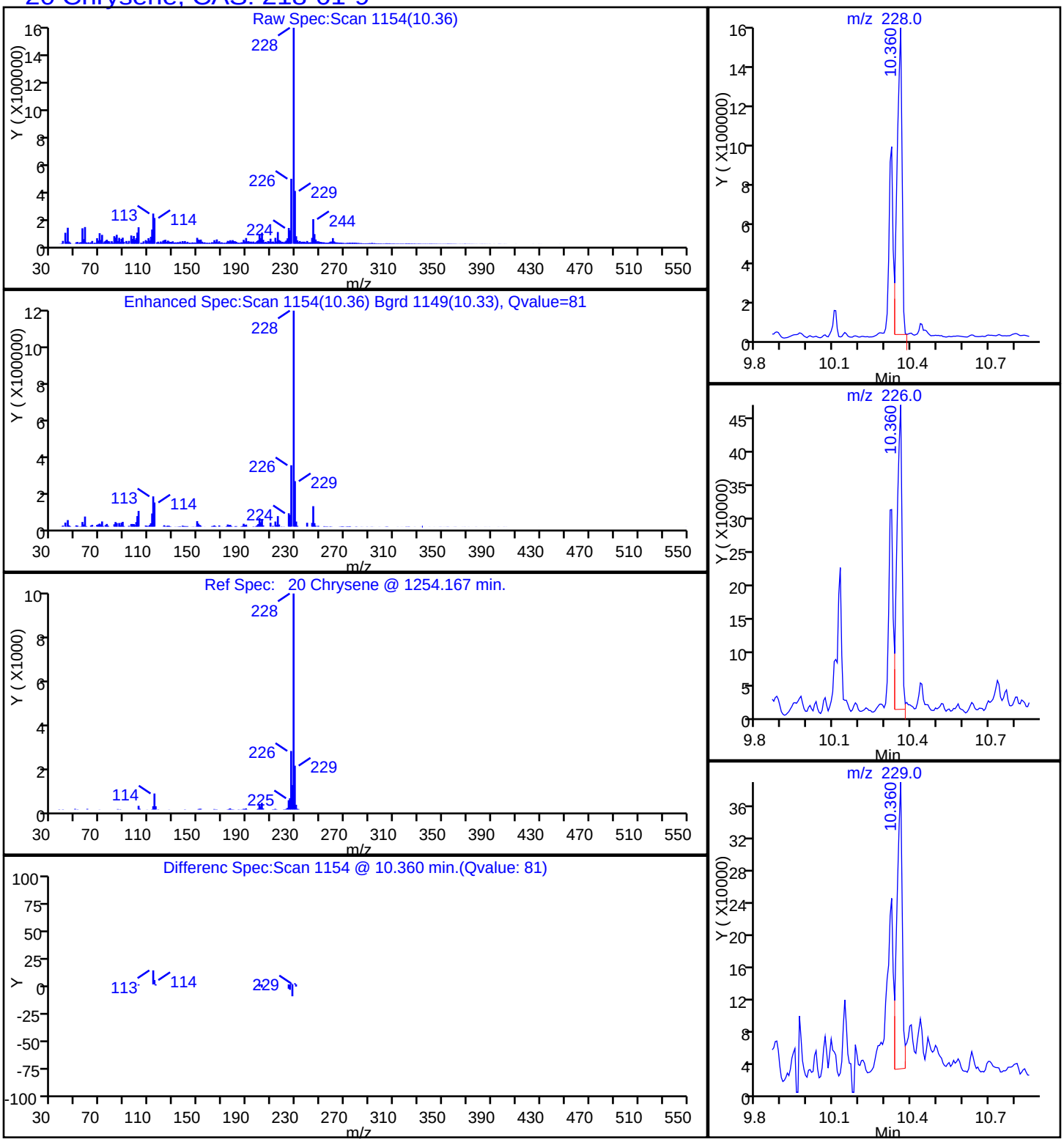
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9



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TestAmerica Savannah

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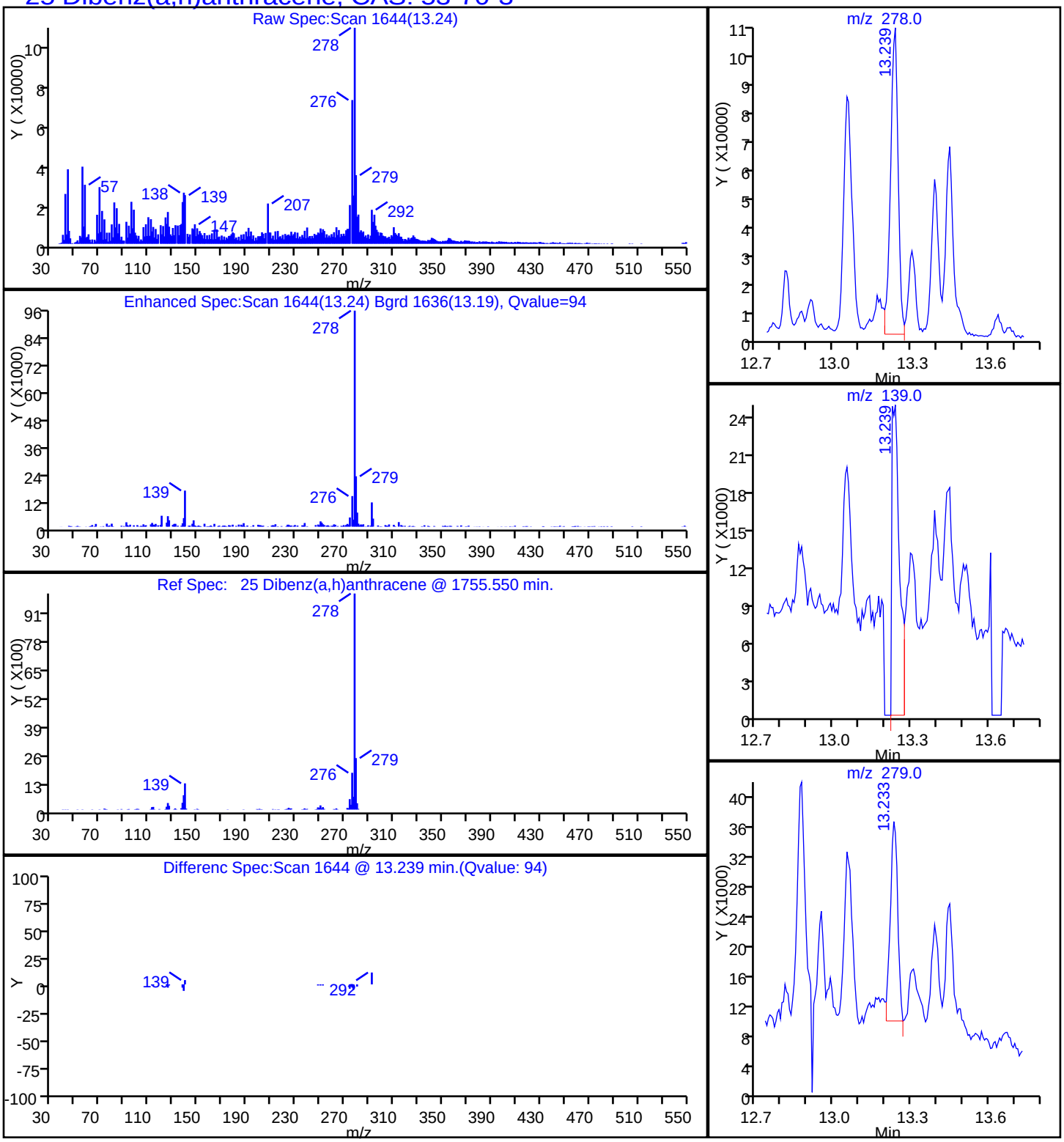
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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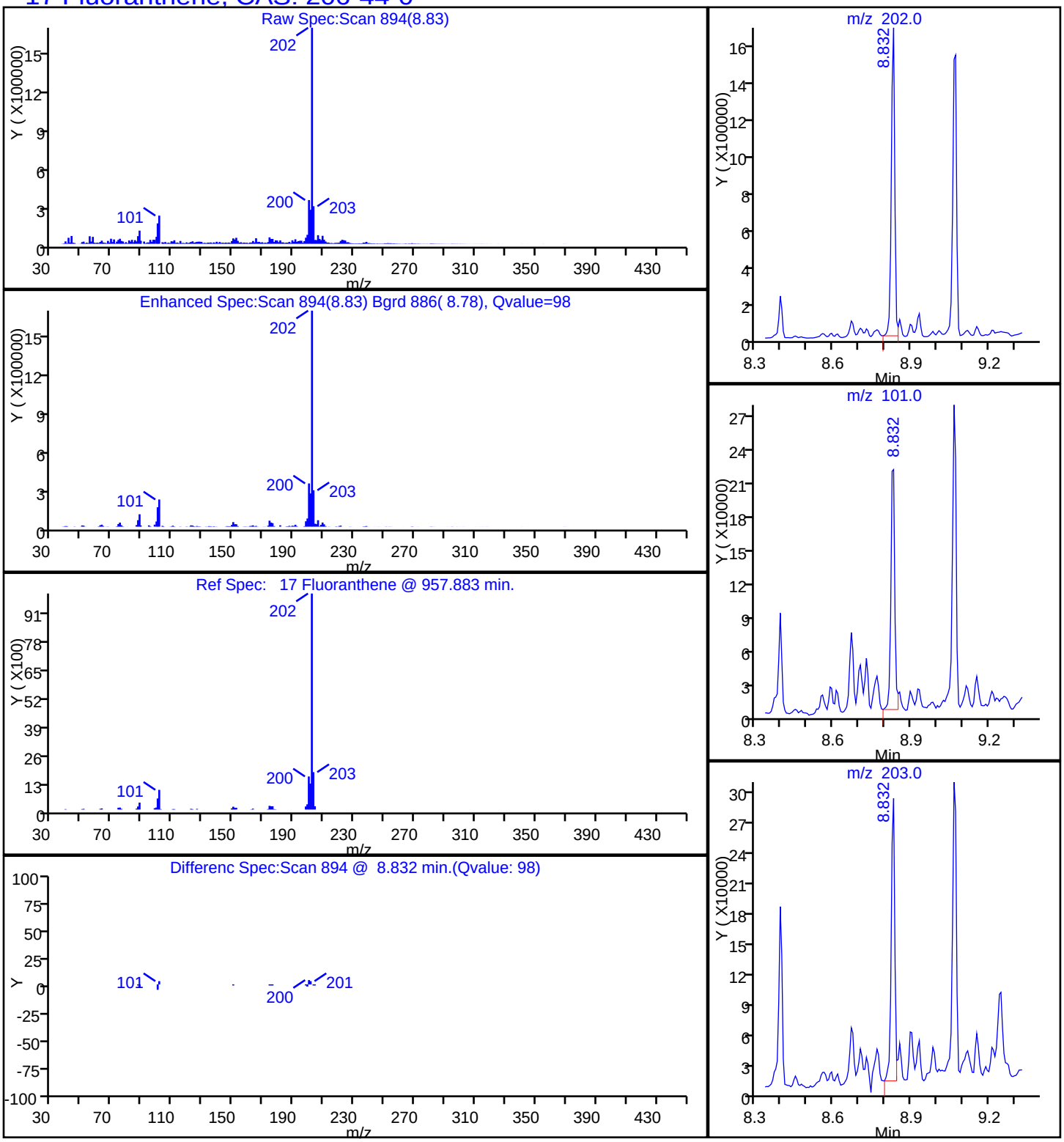
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0



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TestAmerica Savannah

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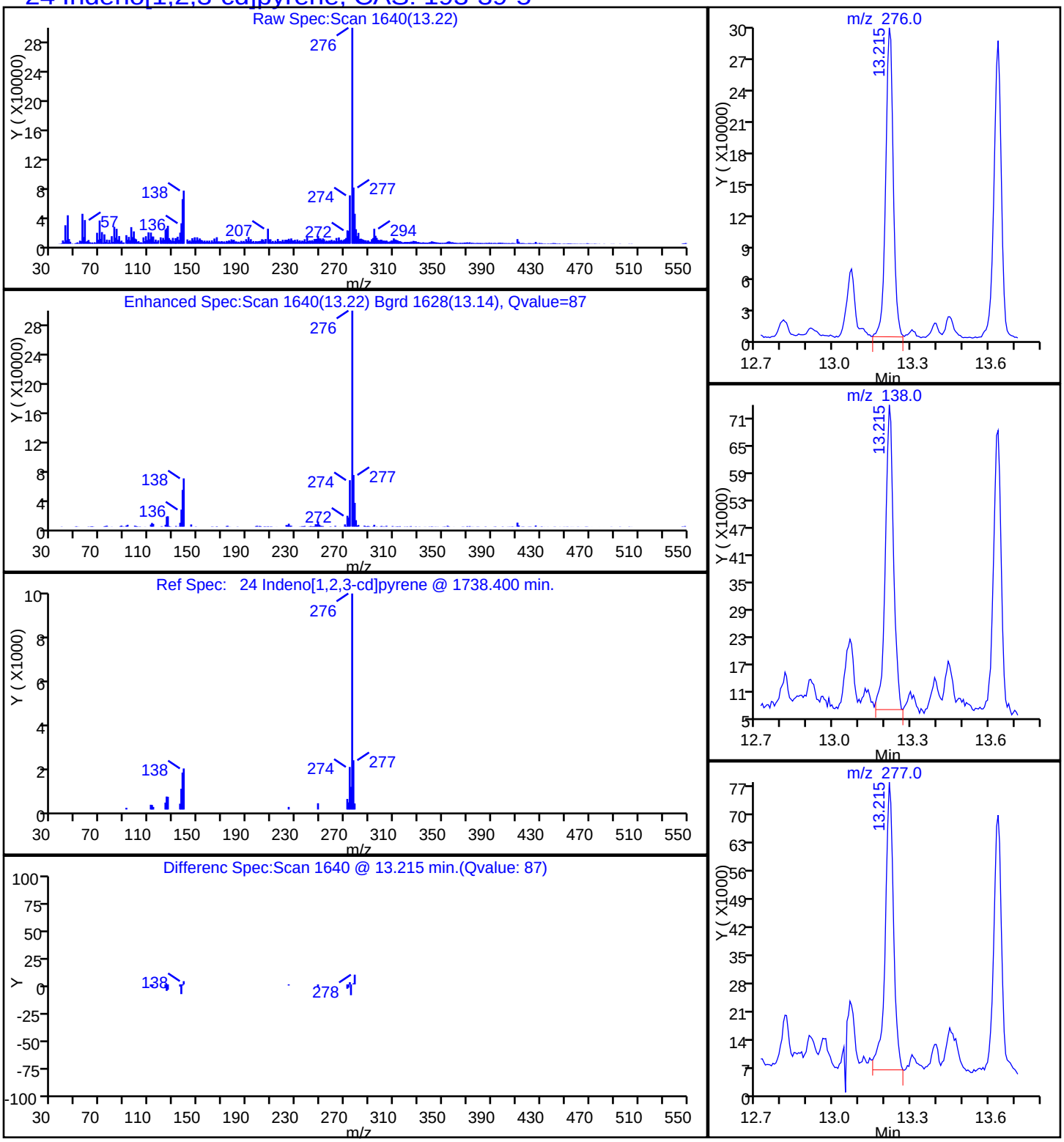
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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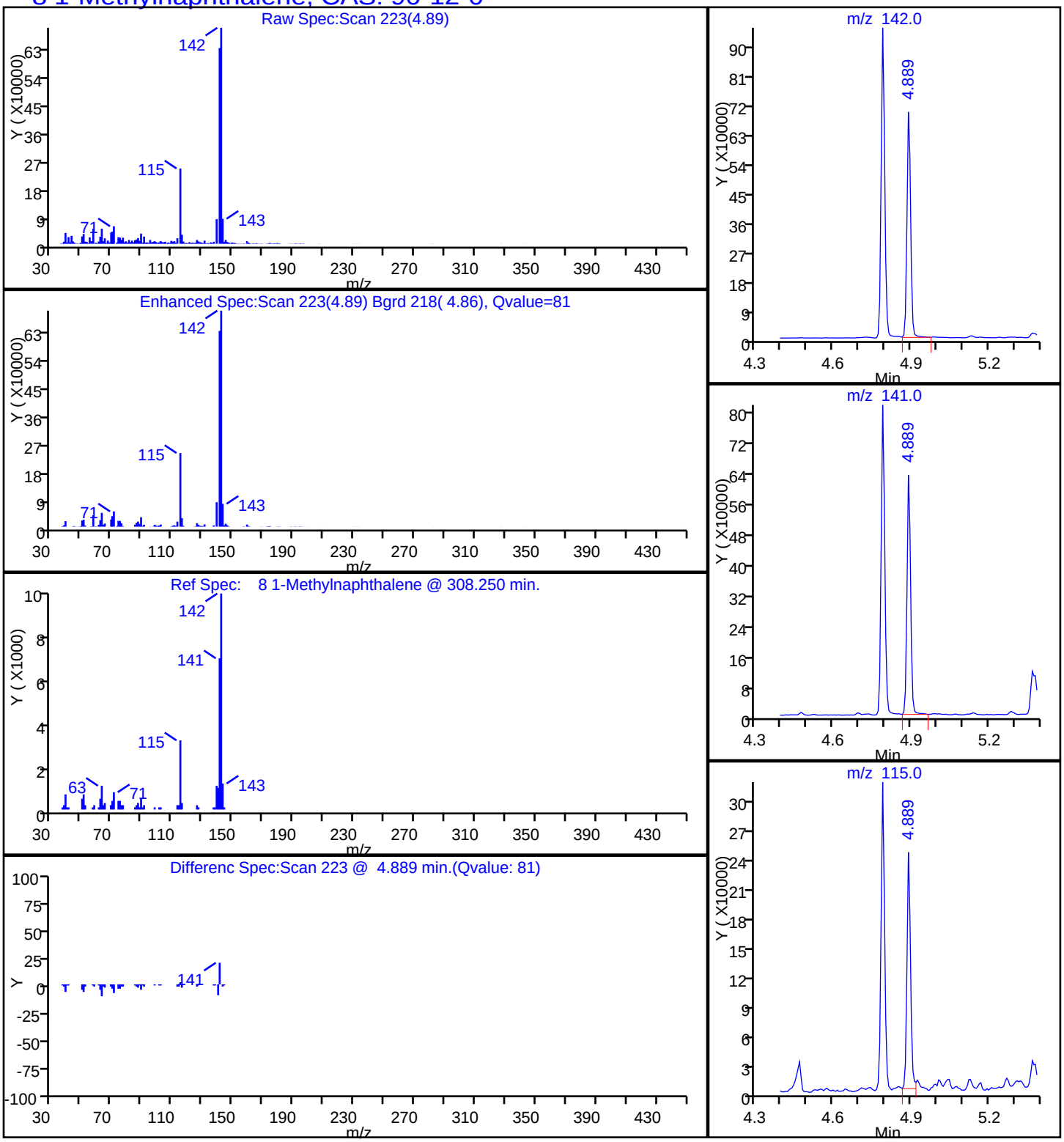
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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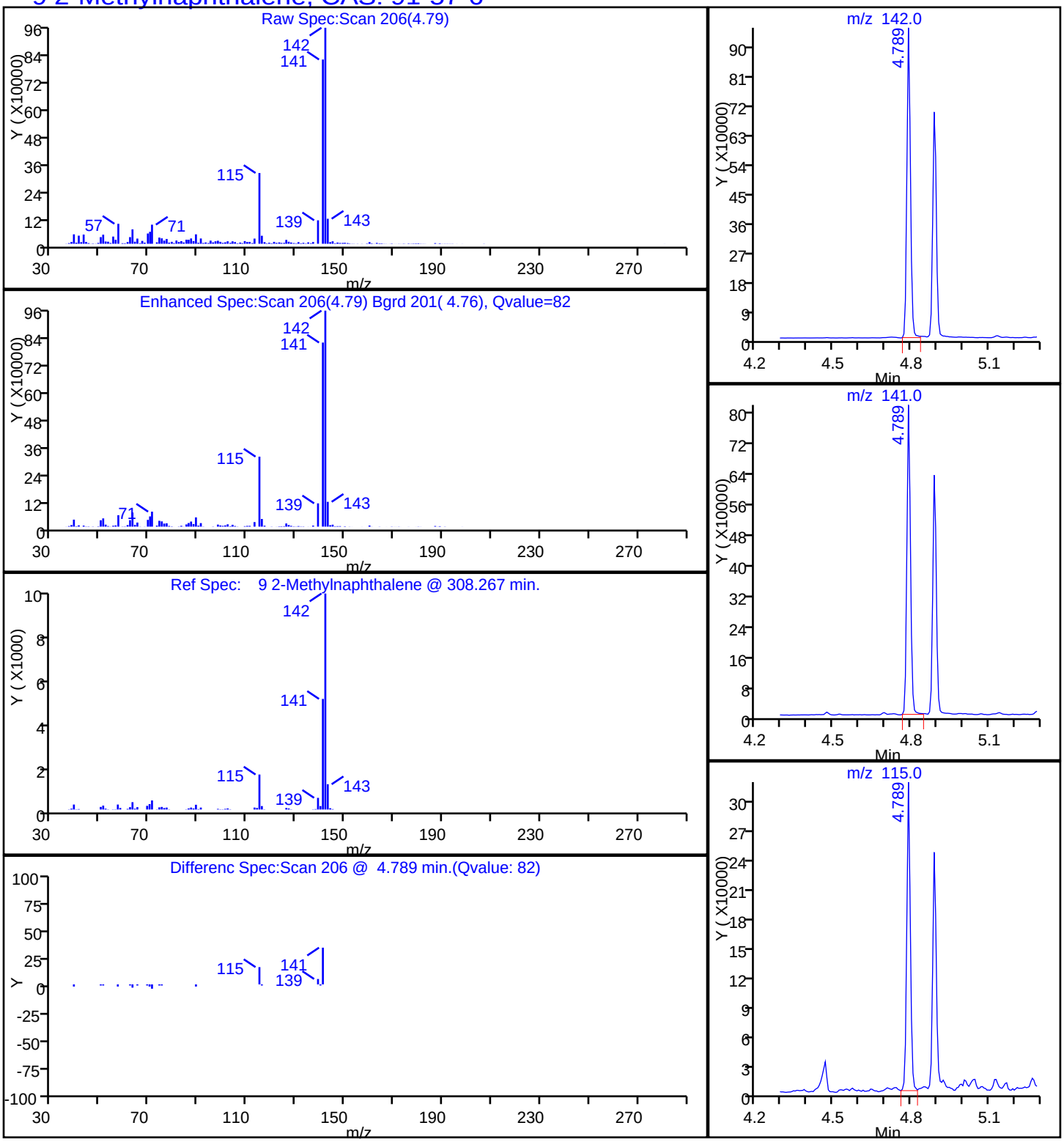
Lims ID:	680-109515-A-15-A	Lab Sample ID:	680-109515-15		
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 09-Feb-2015 10:58:41 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0706.D				
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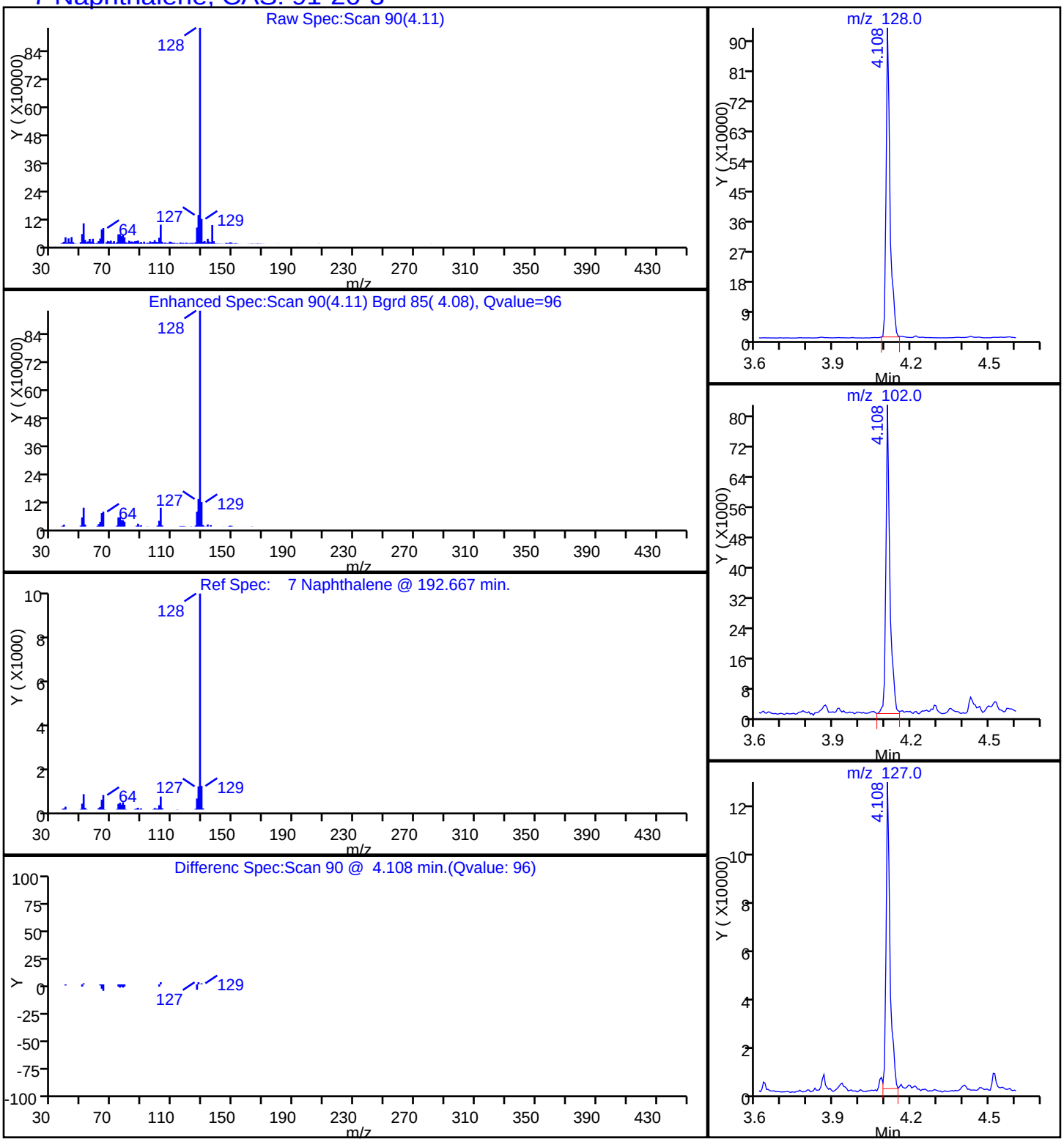
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3



Report Date: 09-Feb-2015 10:58:41 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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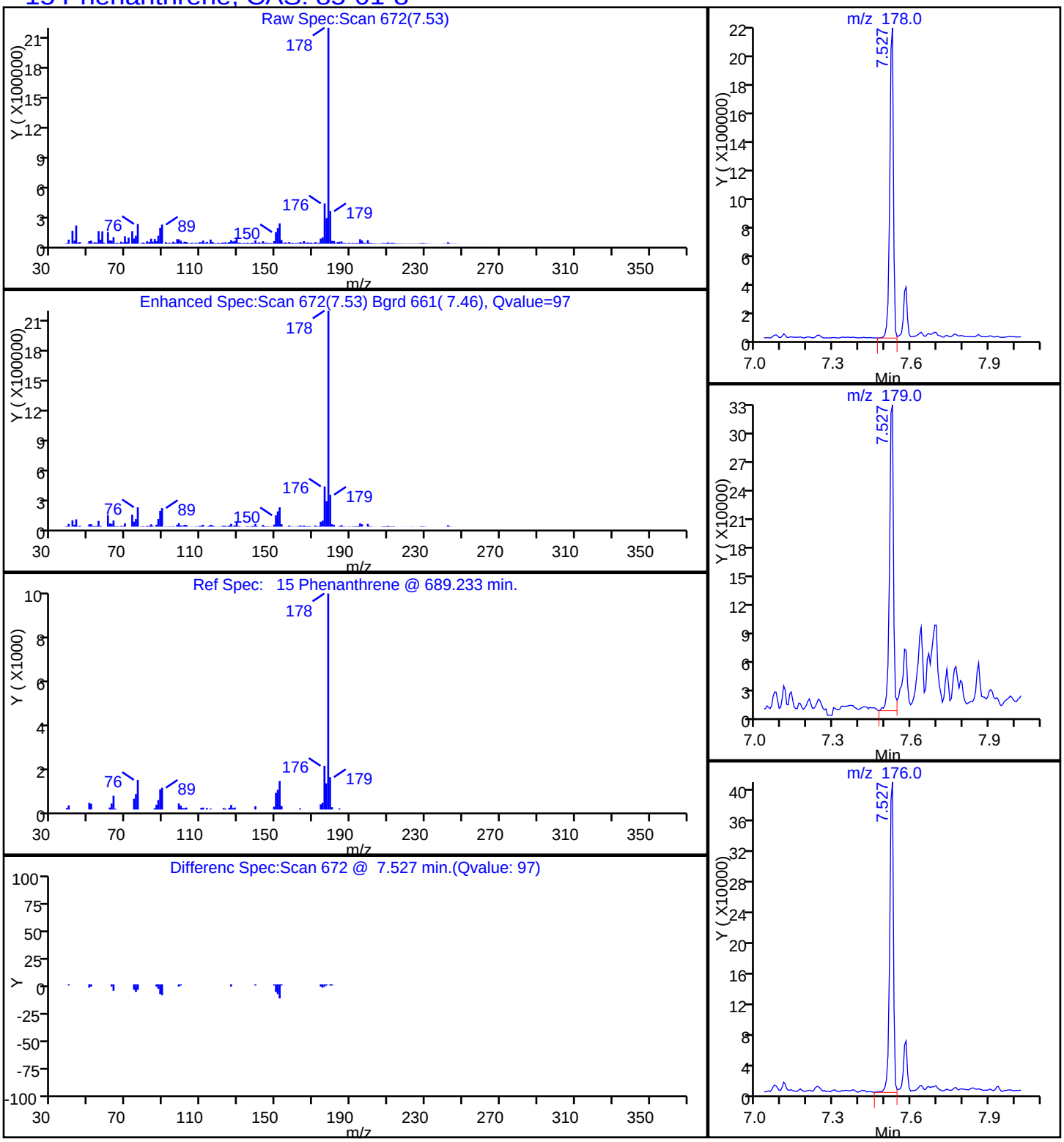
Lims ID:	680-109515-A-15-A	Lab Sample ID:	680-109515-15		
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8



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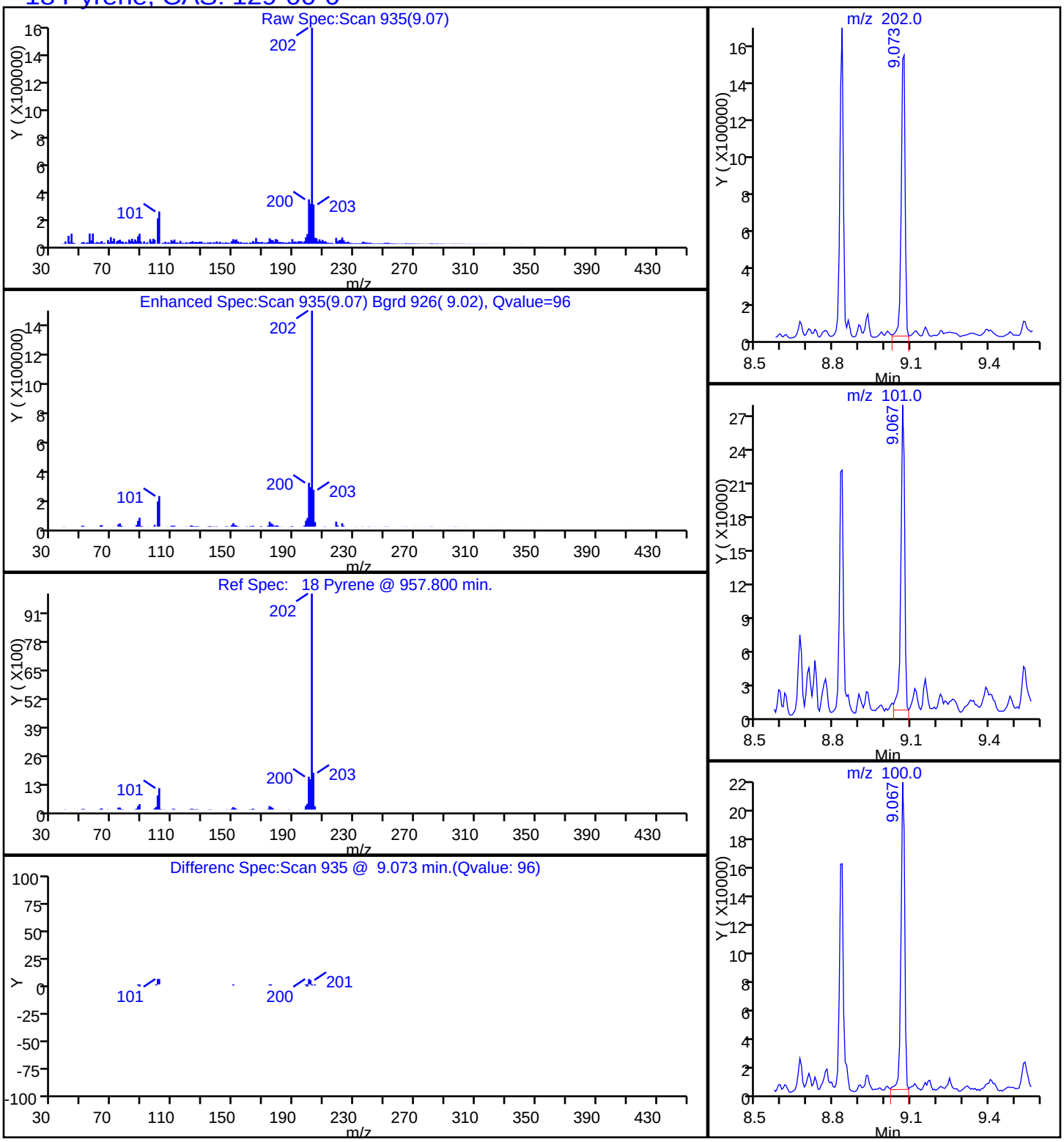
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0706.D				
Injection Date:	07-Feb-2015 11:29:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-15-A	Lab Sample ID:	680-109515-15		
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

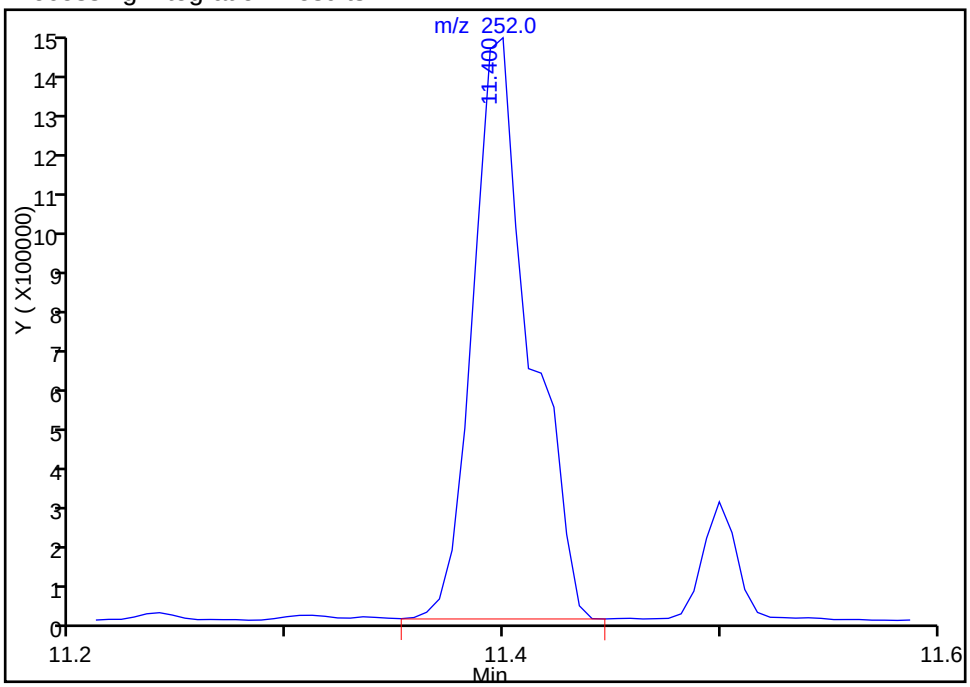
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0706.D				
Injection Date:	07-Feb-2015 11:29:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-15-A	Lab Sample ID:	680-109515-15		
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

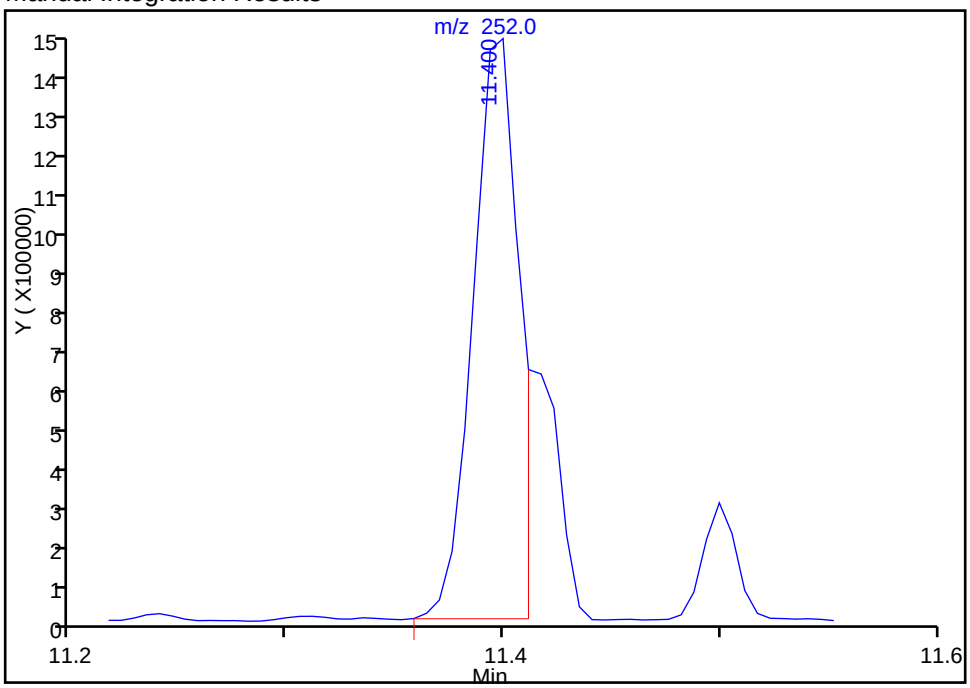
Processing Integration Results

RT: 11.40
Area: 2695024
Amount: 13.443072
Amount Units: ug/ml



Manual Integration Results

RT: 11.40
Area: 2188433
Amount: 10.916141
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 12:41:04
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

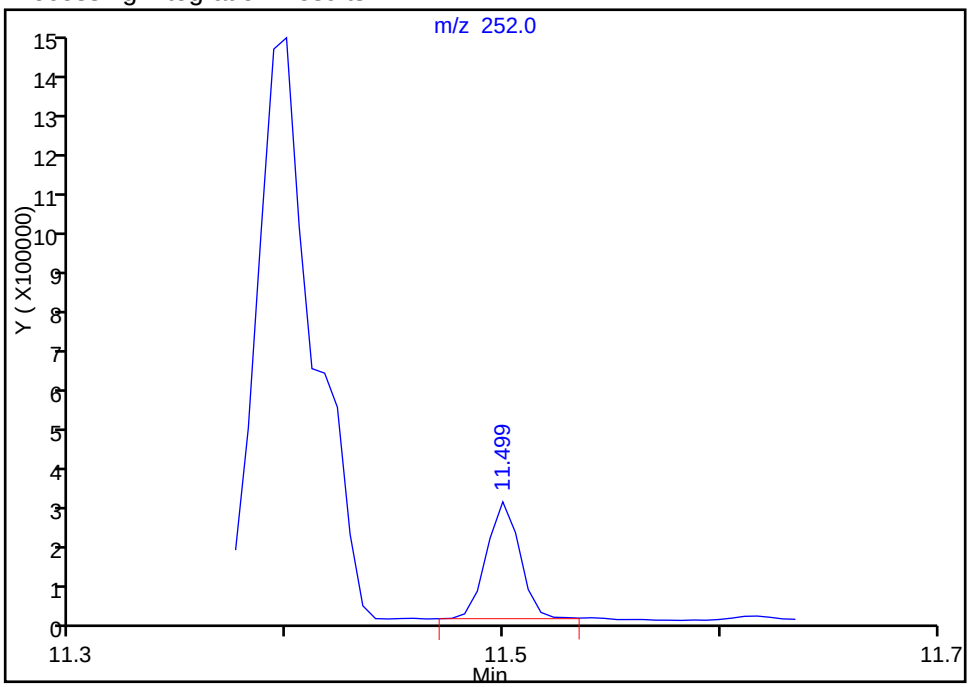
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0706.D				
Injection Date:	07-Feb-2015 11:29:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-15-A	Lab Sample ID:	680-109515-15		
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	6
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

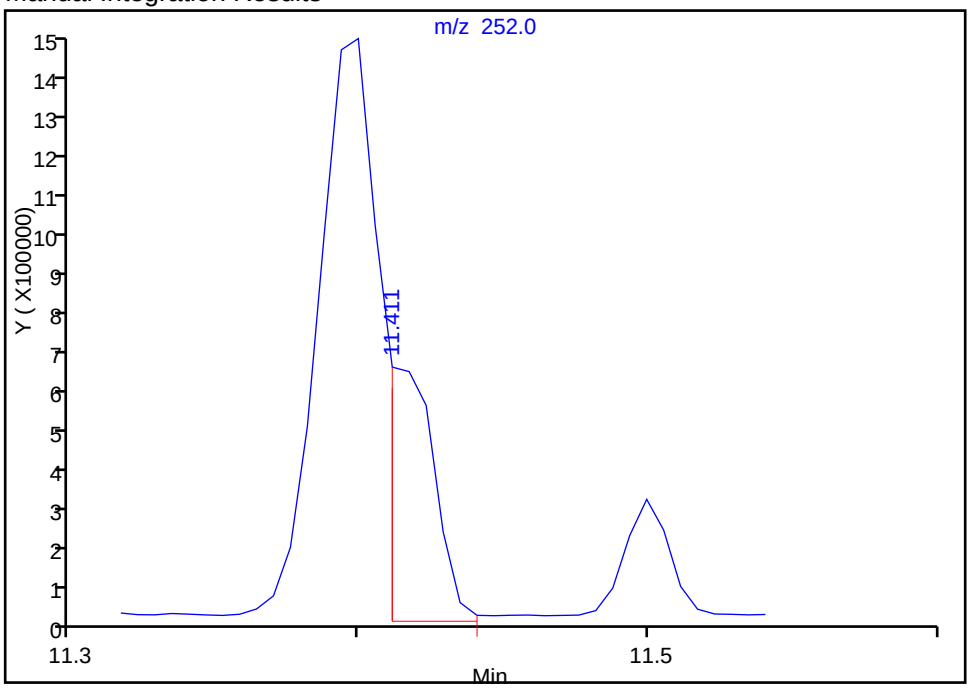
Processing Integration Results

RT: 11.50
Area: 316137
Amount: 1.624275
Amount Units: ug/ml



Manual Integration Results

RT: 11.41
Area: 748167
Amount: 3.843994
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 12:41:04
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: CV0627B-GS12" | Lab Sample ID: 680-109515-16

Matrix: Solid | Lab File ID: 1KB0630.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 09:10

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:00

Sample wt/vol: 30.04(g) | Date Analyzed: 02/06/2015 23:34

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

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

% Moisture: 17.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.1	U	8.1	4.0
208-96-8	Acenaphthylene	8.1	U	8.1	4.0
120-12-7	Anthracene	7.5	J	8.1	4.0
56-55-3	Benzo[a]anthracene	24		8.1	4.0
50-32-8	Benzo[a]pyrene	22		8.1	1.5
205-99-2	Benzo[b]fluoranthene	41		8.1	4.0
191-24-2	Benzo[g,h,i]perylene	21		8.1	4.0
207-08-9	Benzo[k]fluoranthene	13		8.1	2.4
218-01-9	Chrysene	32		8.1	4.0
53-70-3	Dibenz(a,h)anthracene	5.8	J	8.1	4.0
206-44-0	Fluoranthene	36		8.1	4.0
86-73-7	Fluorene	8.1	U	8.1	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	12		8.1	4.0
90-12-0	1-Methylnaphthalene	75		8.1	3.8
91-57-6	2-Methylnaphthalene	75		8.1	4.0
91-20-3	Naphthalene	43		8.1	4.0
85-01-8	Phenanthrene	61		8.1	2.9
129-00-0	Pyrene	39		8.1	4.0

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Sample Type:	Client				
Inject. Date:	06-Feb-2015 23:34:30	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-109515-B-16-A				
Misc. Info.:	680-0016900-030				
Operator ID:		Instrument ID:	CMSK		

Method:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\8270_LLPAH_CMSK.m		
Limit Group:	8270D_LL_PAH		
Last Update:	07-Feb-2015 09:07:25	Calib Date:	04-Feb-2015 11:35:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D		

Column 1 :	Restek RXi-5Sil MS (0.25 mm)	Det: MS SCAN
Process Host:	XAWRK048	

First Level Reviewer: webbk Date: 07-Feb-2015 09:05:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.120	4.126	-0.006	98	552140	2.00	
* 2 Acenaphthene-d10	164	5.918	5.912	0.006	83	312843	2.00	
* 3 Phenanthrene-d10	188	7.533	7.527	0.006	97	504913	2.00	
* 4 Chrysene-d12	240	10.360	10.354	0.006	96	399604	2.00	
* 5 Perylene-d12	264	11.846	11.823	0.023	98	293350	2.00	
$ 6 o-Terphenyl	230	7.974	7.968	0.006	86	205209	1.30	
7 Naphthalene	128	4.137	4.143	-0.006	93	339347	1.07	
9 2-Methylnaphthalene	142	4.825	4.825	0.000	80	366599	1.85	
8 1-Methylnaphthalene	142	4.925	4.925	0.000	82	330129	1.84	
11 Acenaphthylene	152	5.765	5.759	0.006	58	27772	0.0921	
15 Phenanthrene	178	7.557	7.551	0.006	83	471378	1.50	
16 Anthracene	178	7.616	7.610	0.006	84	53623	0.1845	
17 Fluoranthene	202	8.861	8.855	0.006	97	287530	0.8797	
18 Pyrene	202	9.102	9.096	0.006	96	306089	0.9504	
19 Benzo[a]anthracene	228	10.354	10.342	0.012	85	152442	0.5915	
20 Chrysene	228	10.389	10.377	0.012	79	197556	0.7995	
21 Benzo[b]fluoranthene	252	11.423	11.405	0.018	89	205828	1.01	
22 Benzo[k]fluoranthene	252	11.441	11.435	0.006	89	62187	0.3136	M
23 Benzo[a]pyrene	252	11.781	11.764	0.017	84	95131	0.5398	
24 Indeno[1,2,3-cd]pyrene	276	13.268	13.239	0.029	78	61976	0.3014	
25 Dibenz(a,h)anthracene	278	13.286	13.268	0.018	80	18857	0.1427	
26 Benzo[g,h,i]perylene	276	13.697	13.662	0.035	83	74430	0.5251	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

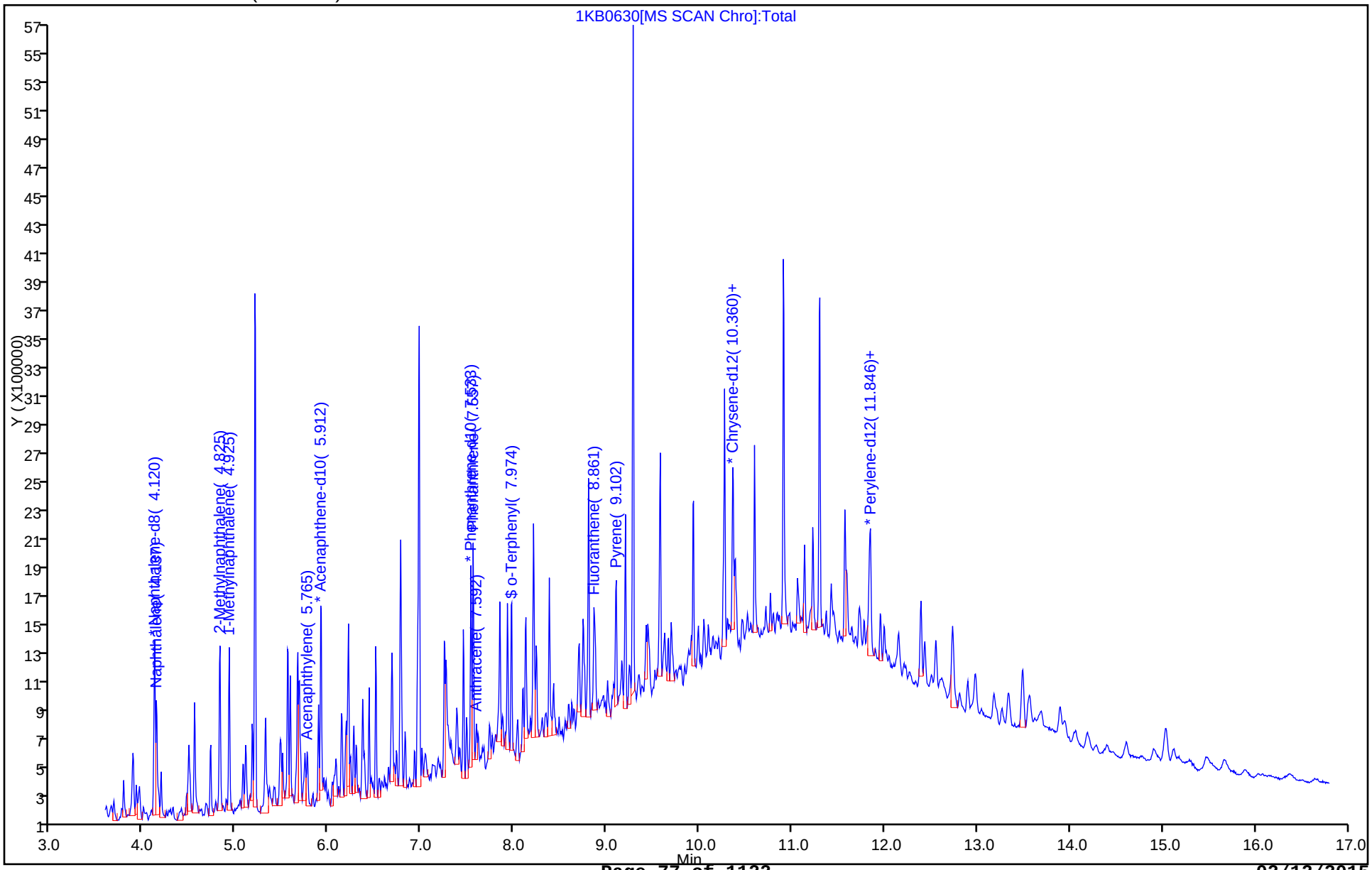
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK	Operator ID:	
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16	Worklist Smp#:	30
Client ID:	CV0627B-GS12"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

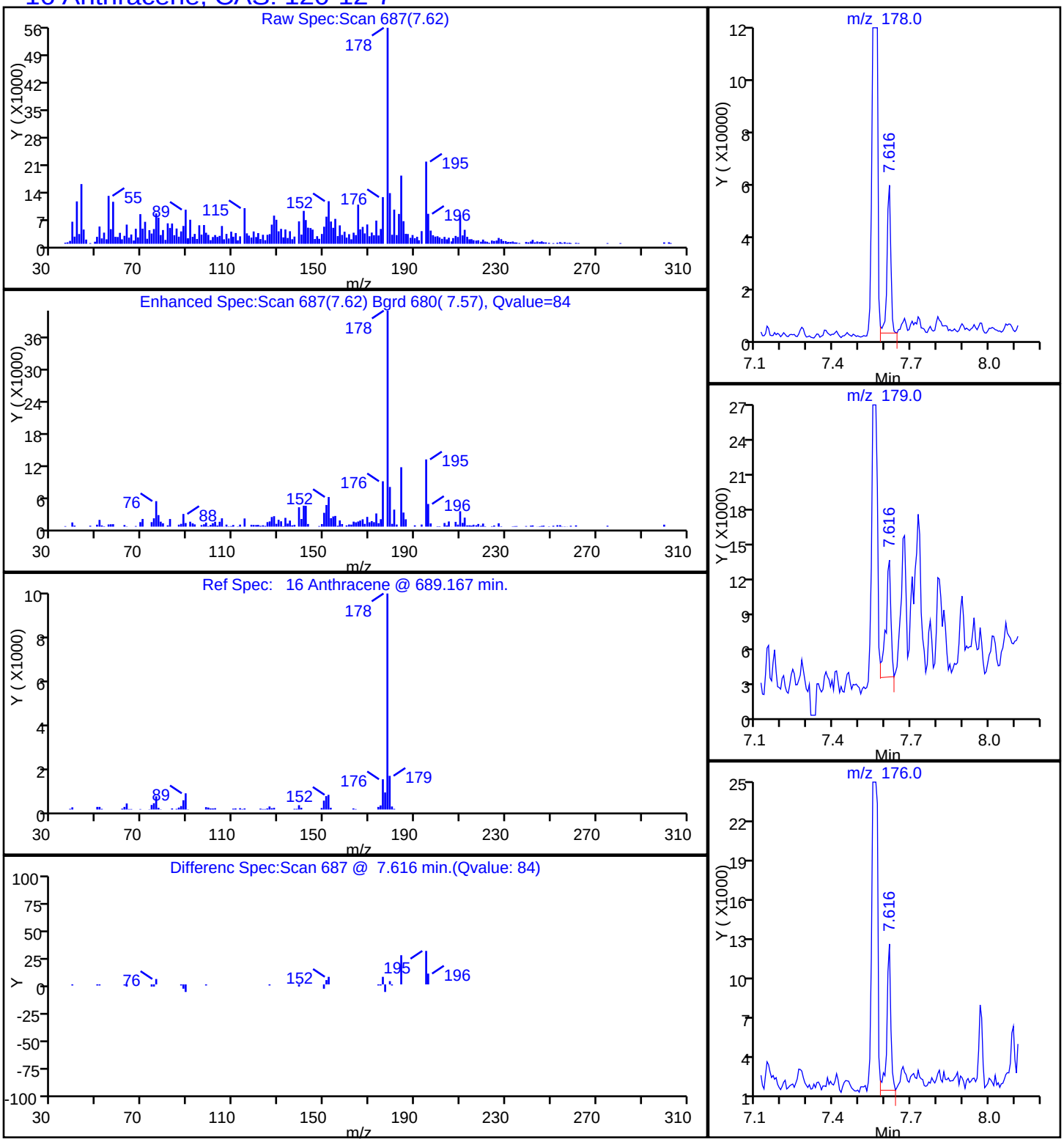


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

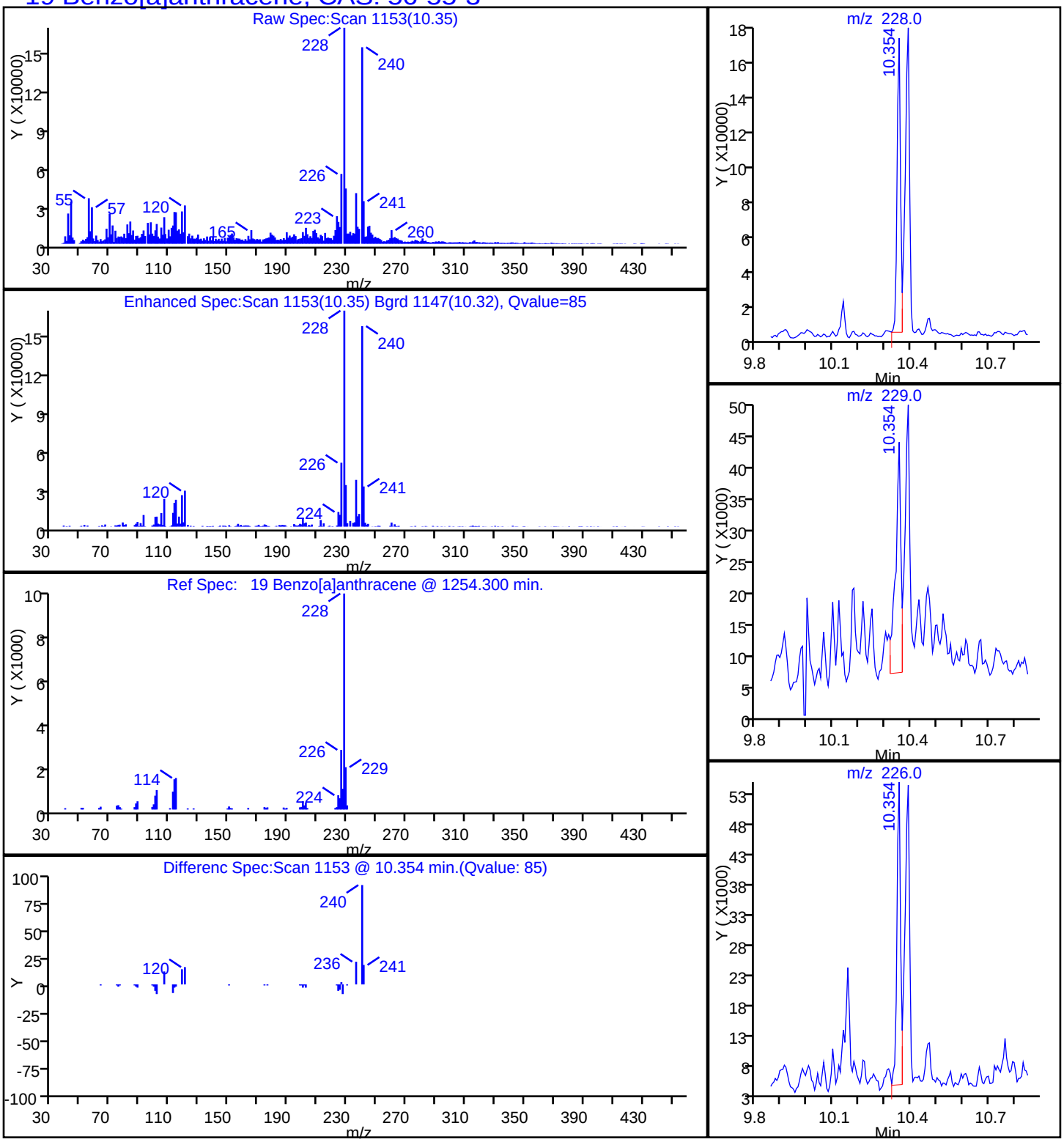


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

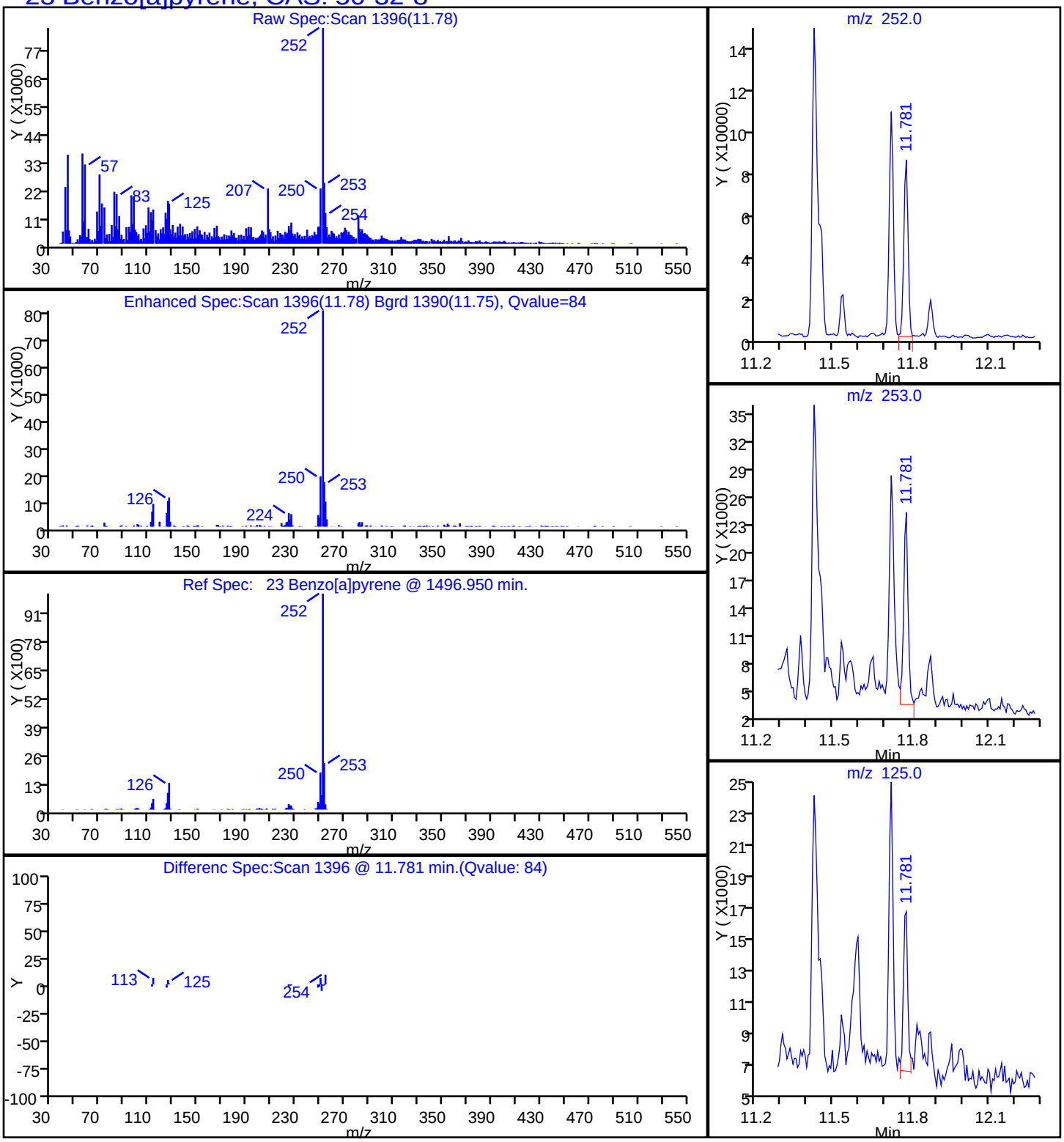


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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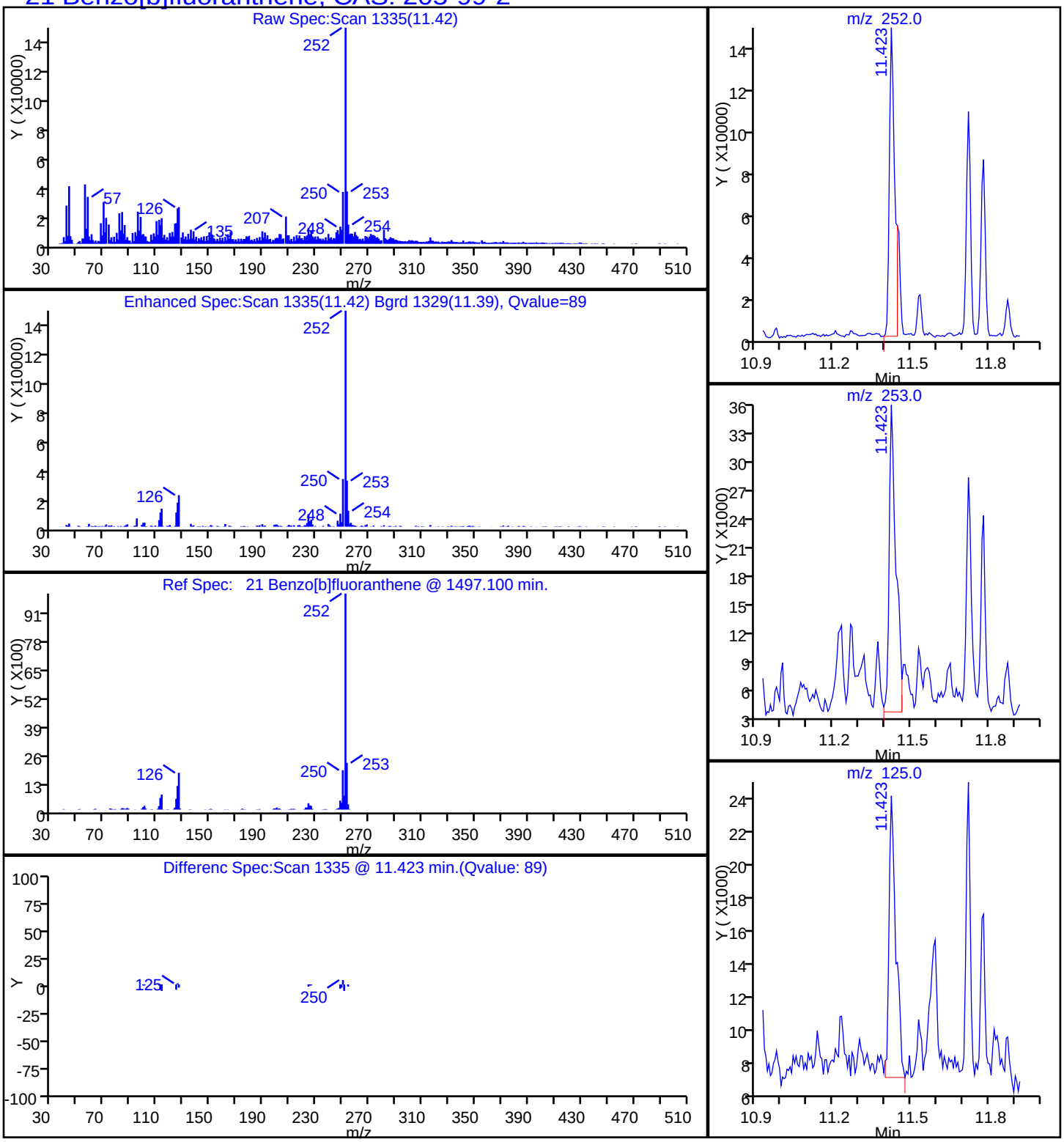
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

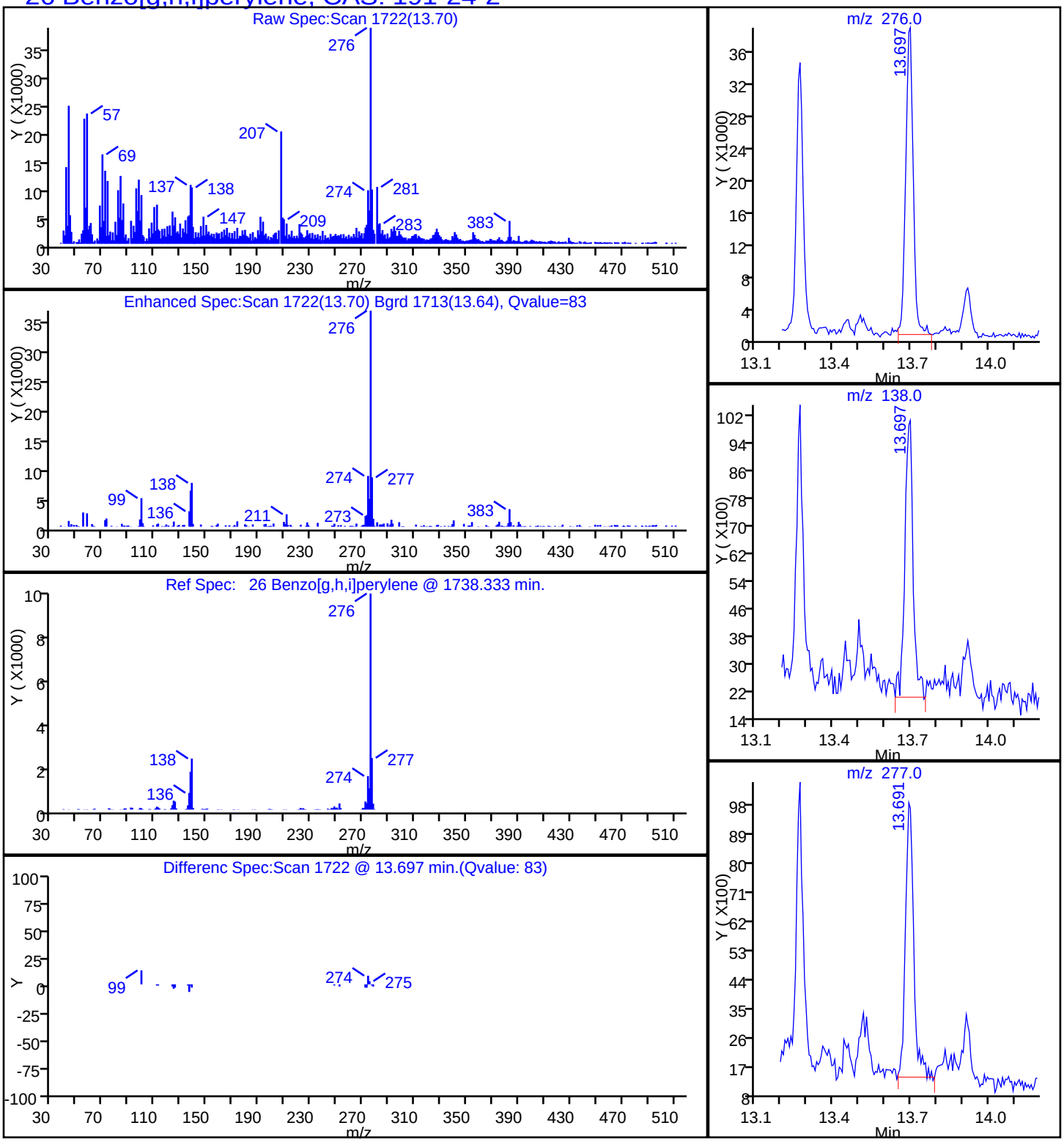


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

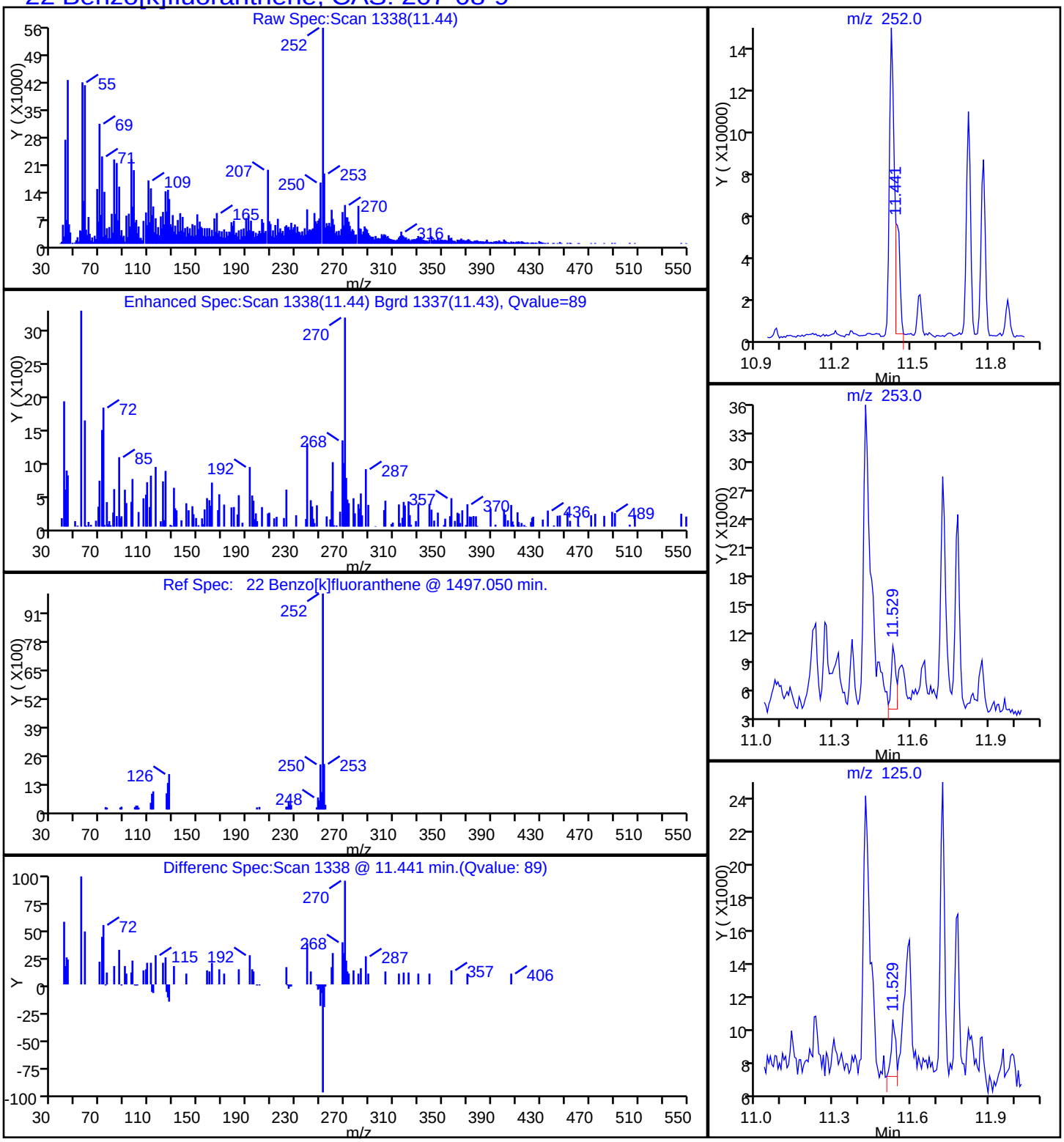


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

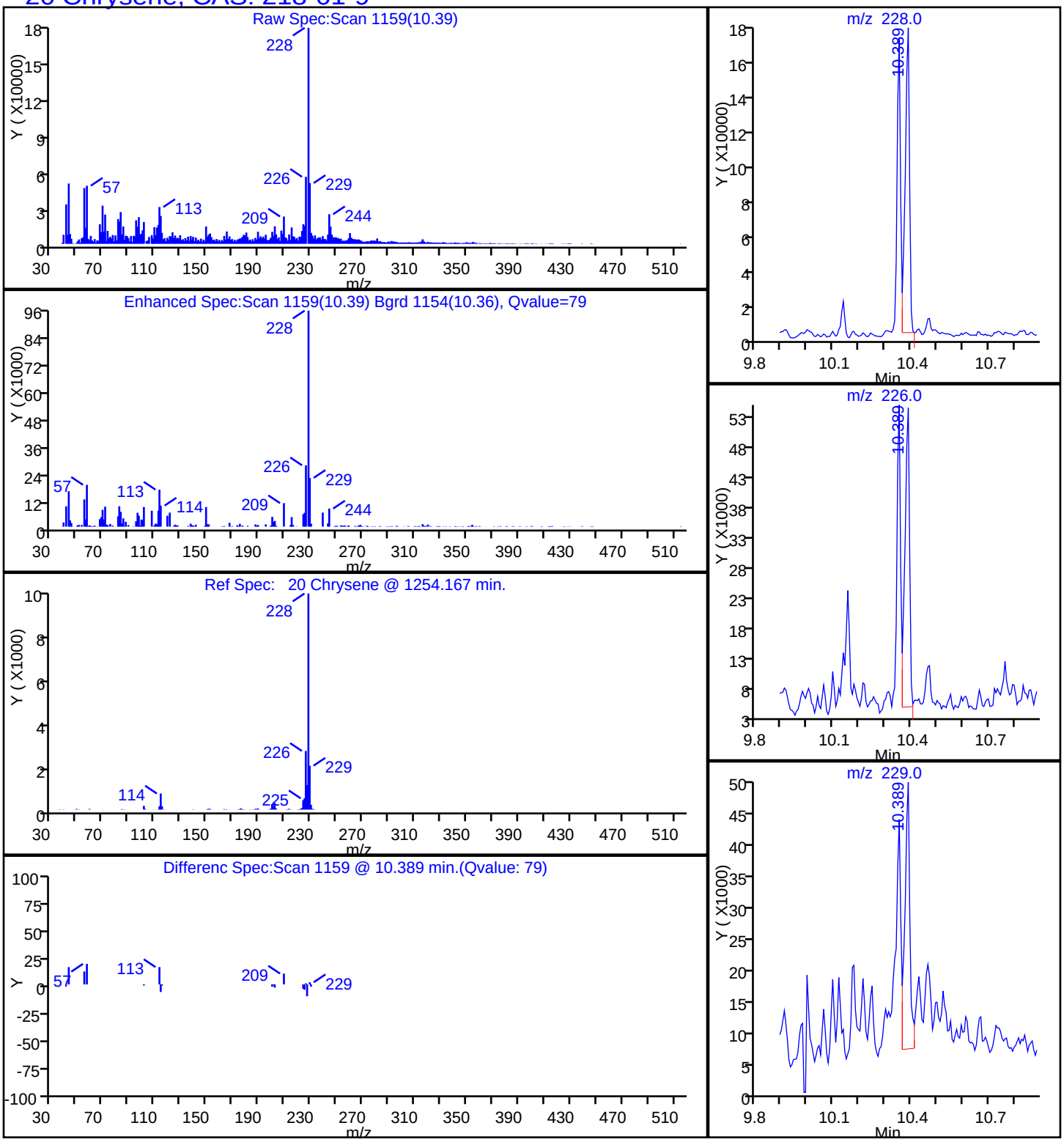


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9



Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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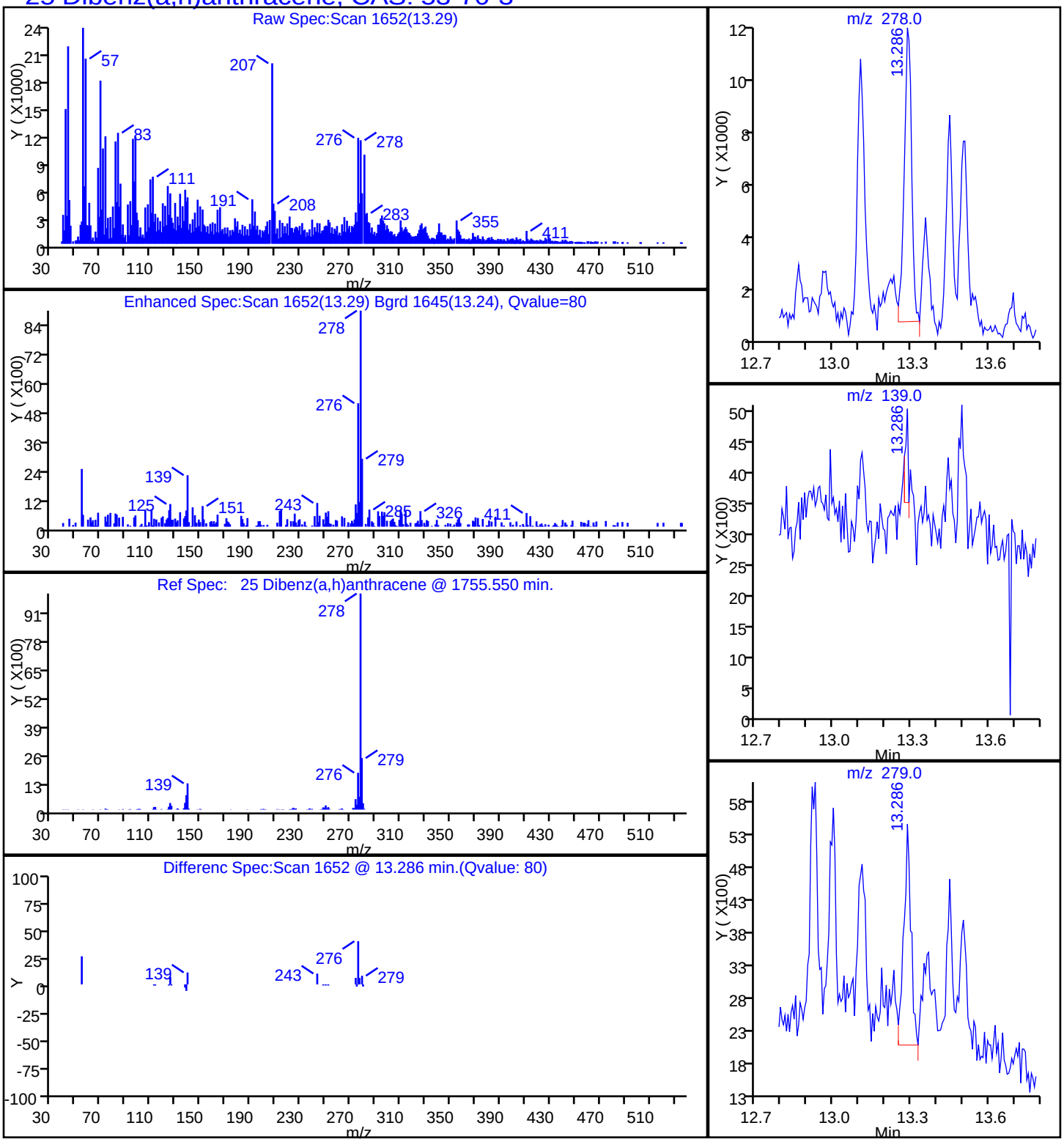
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

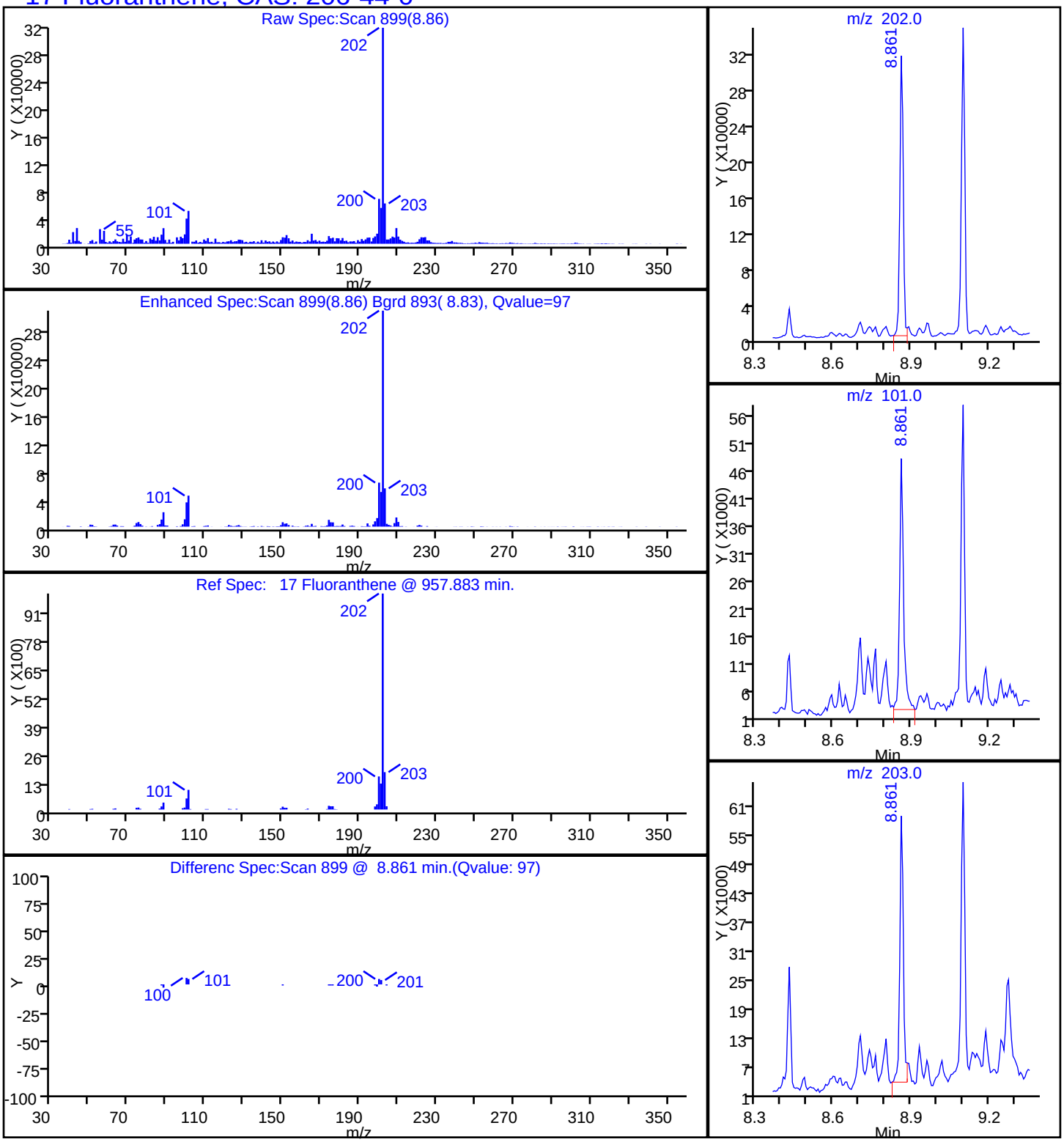


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

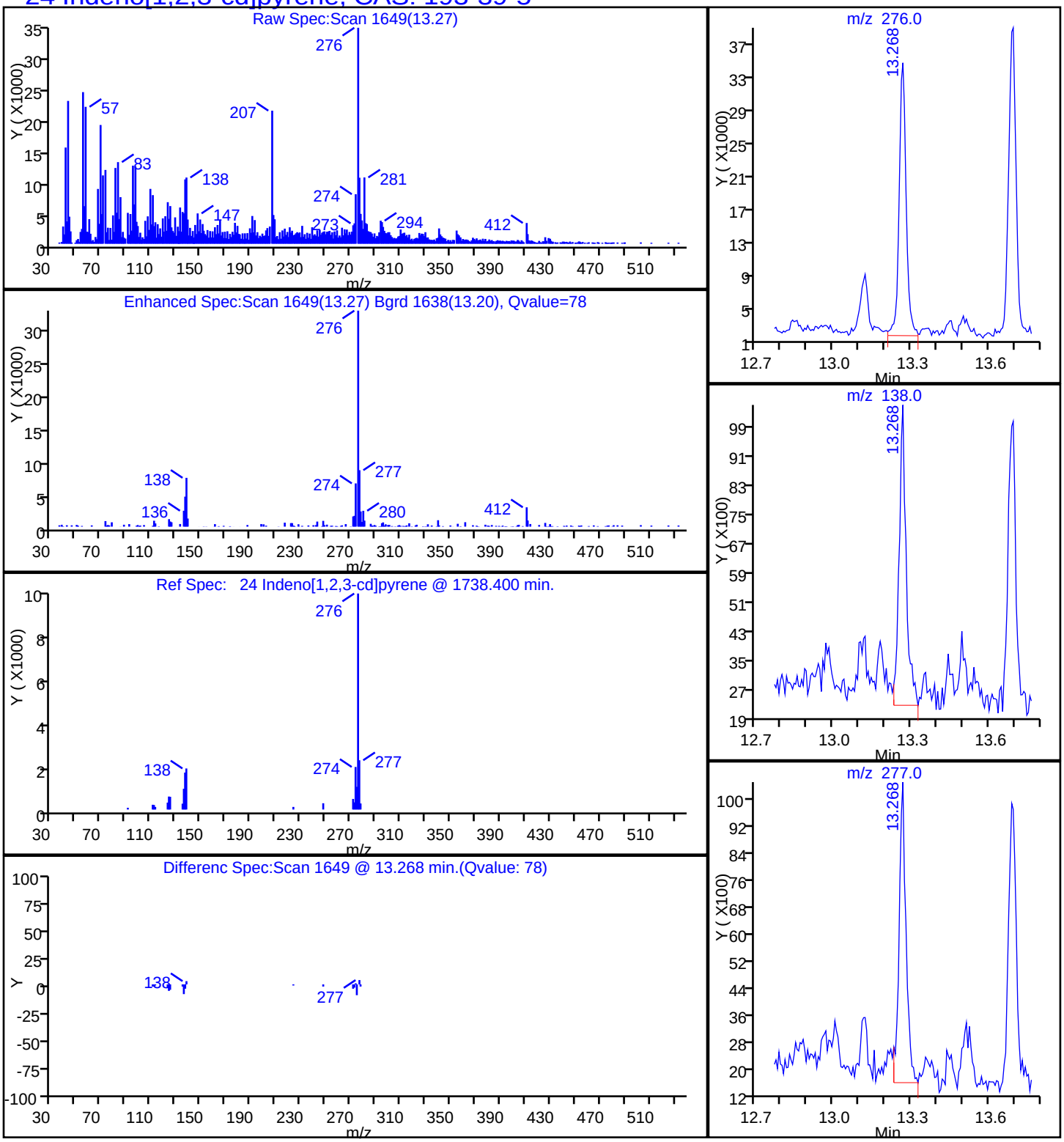


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

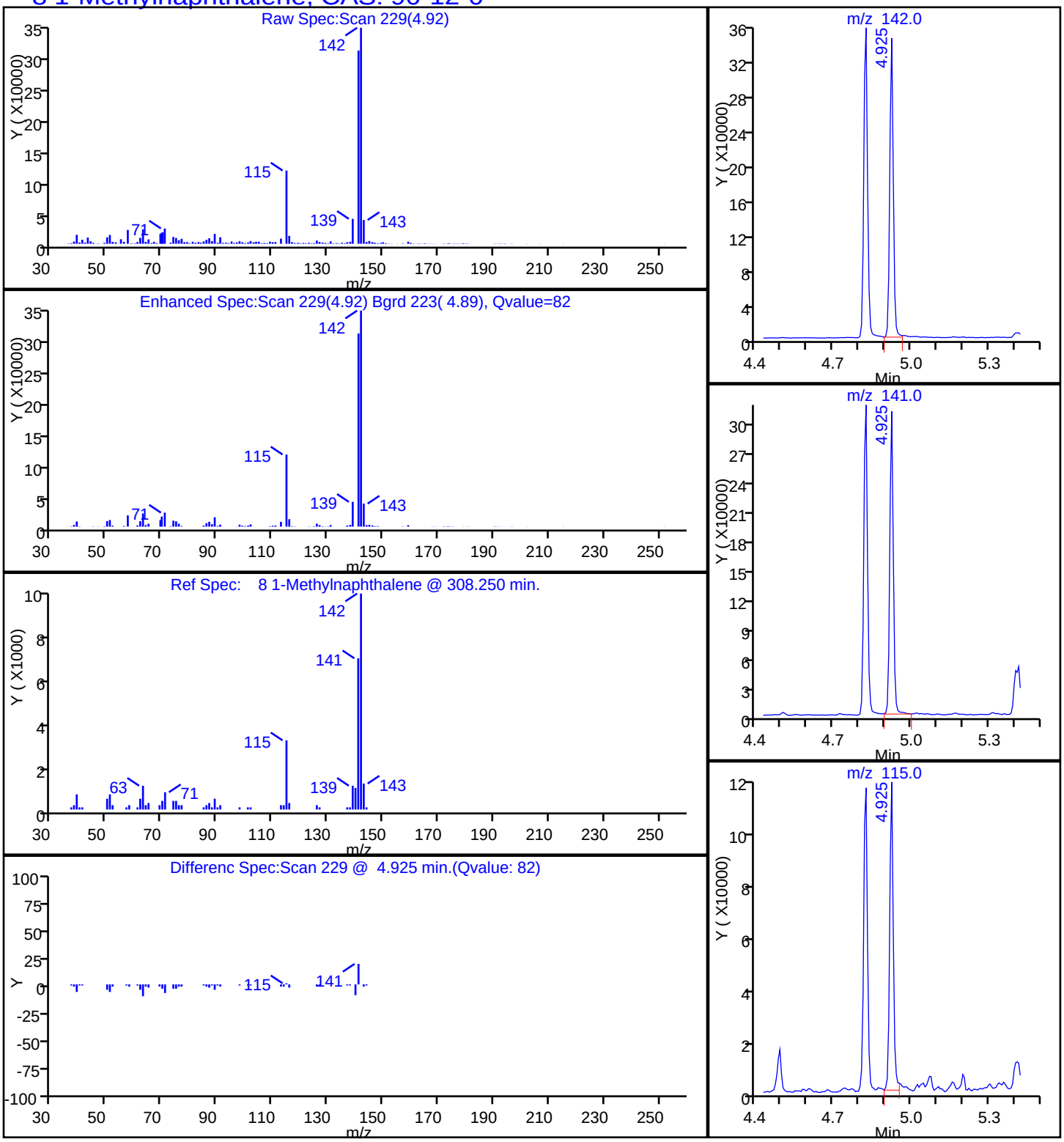


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

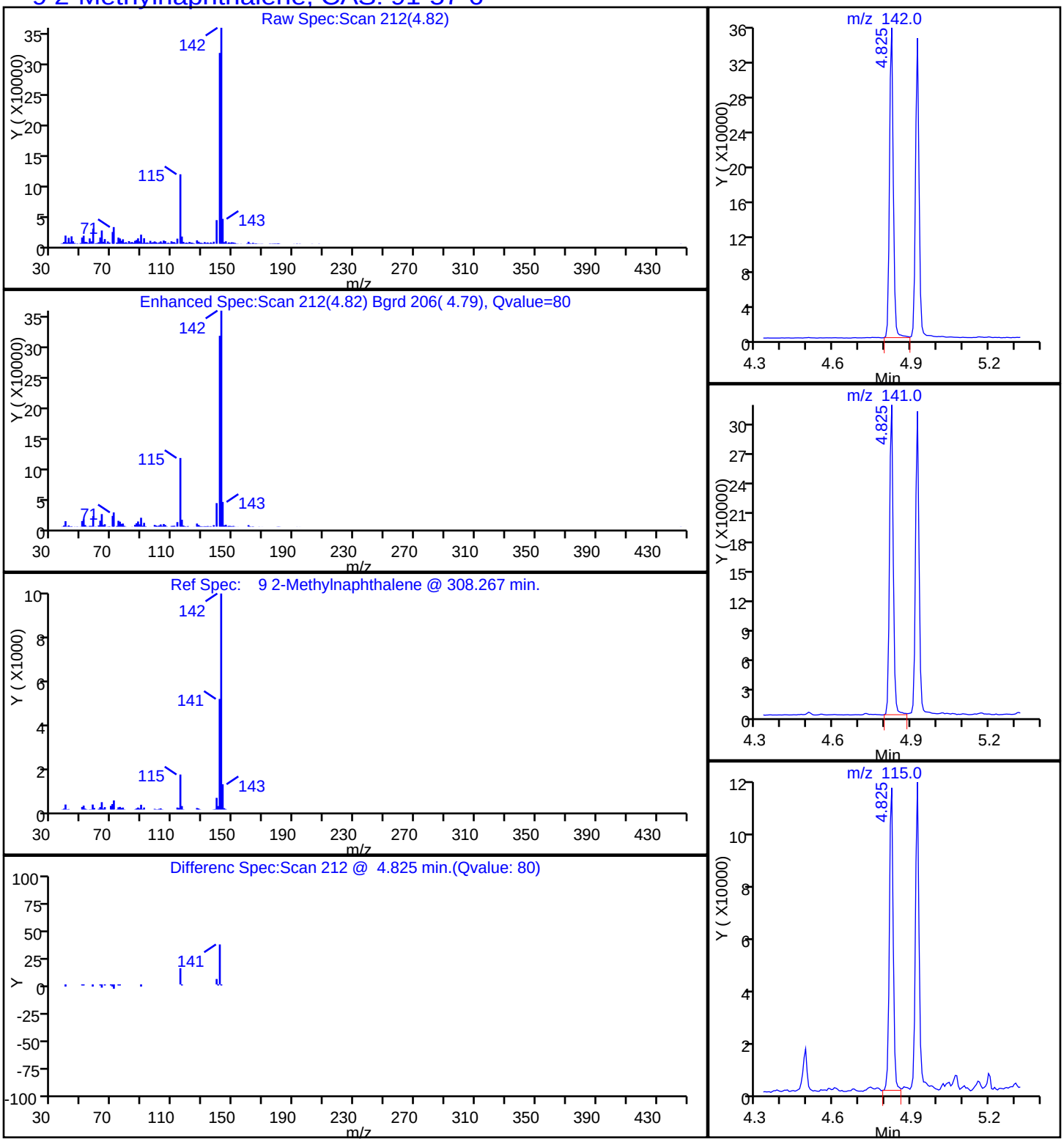


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

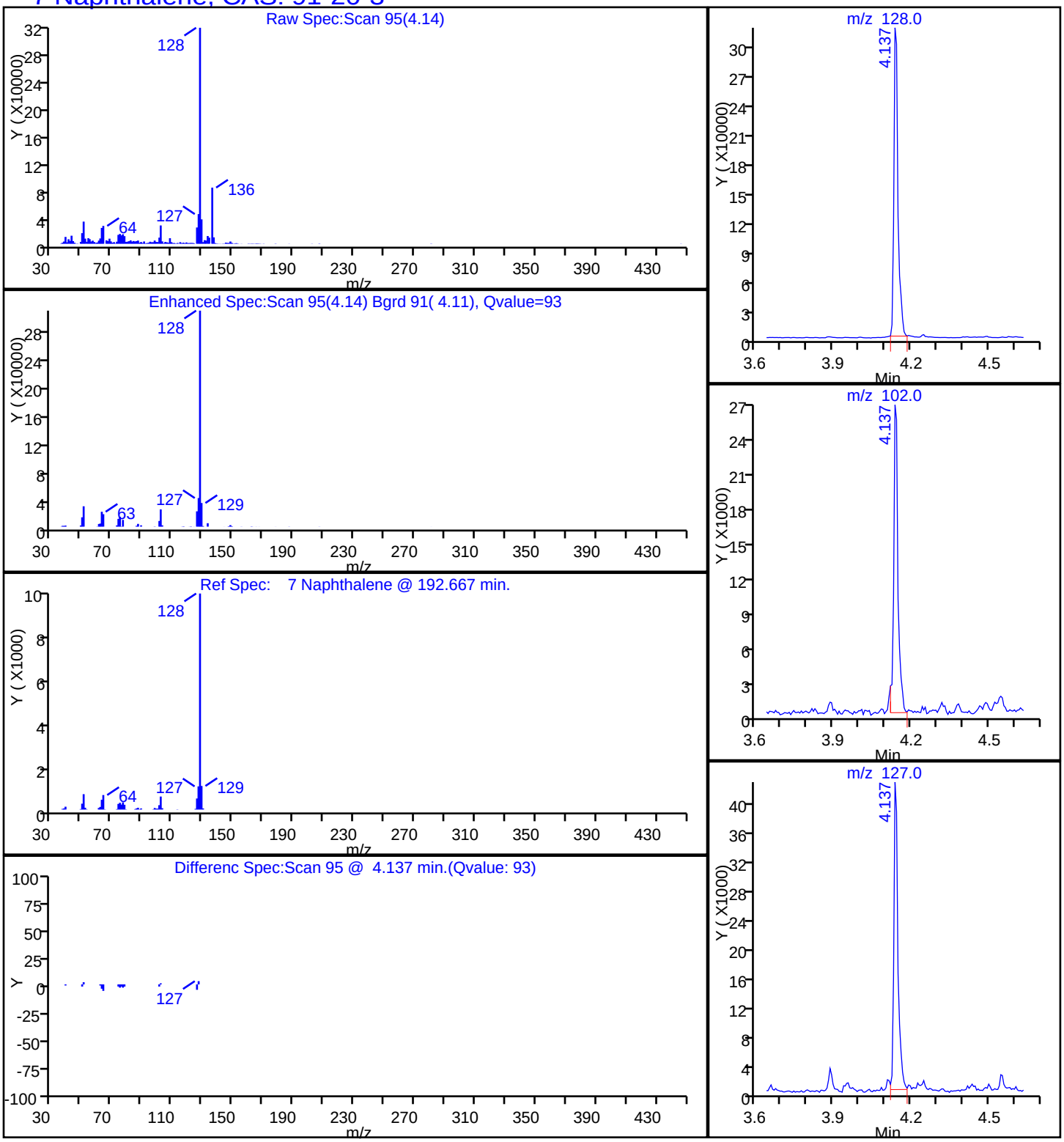


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

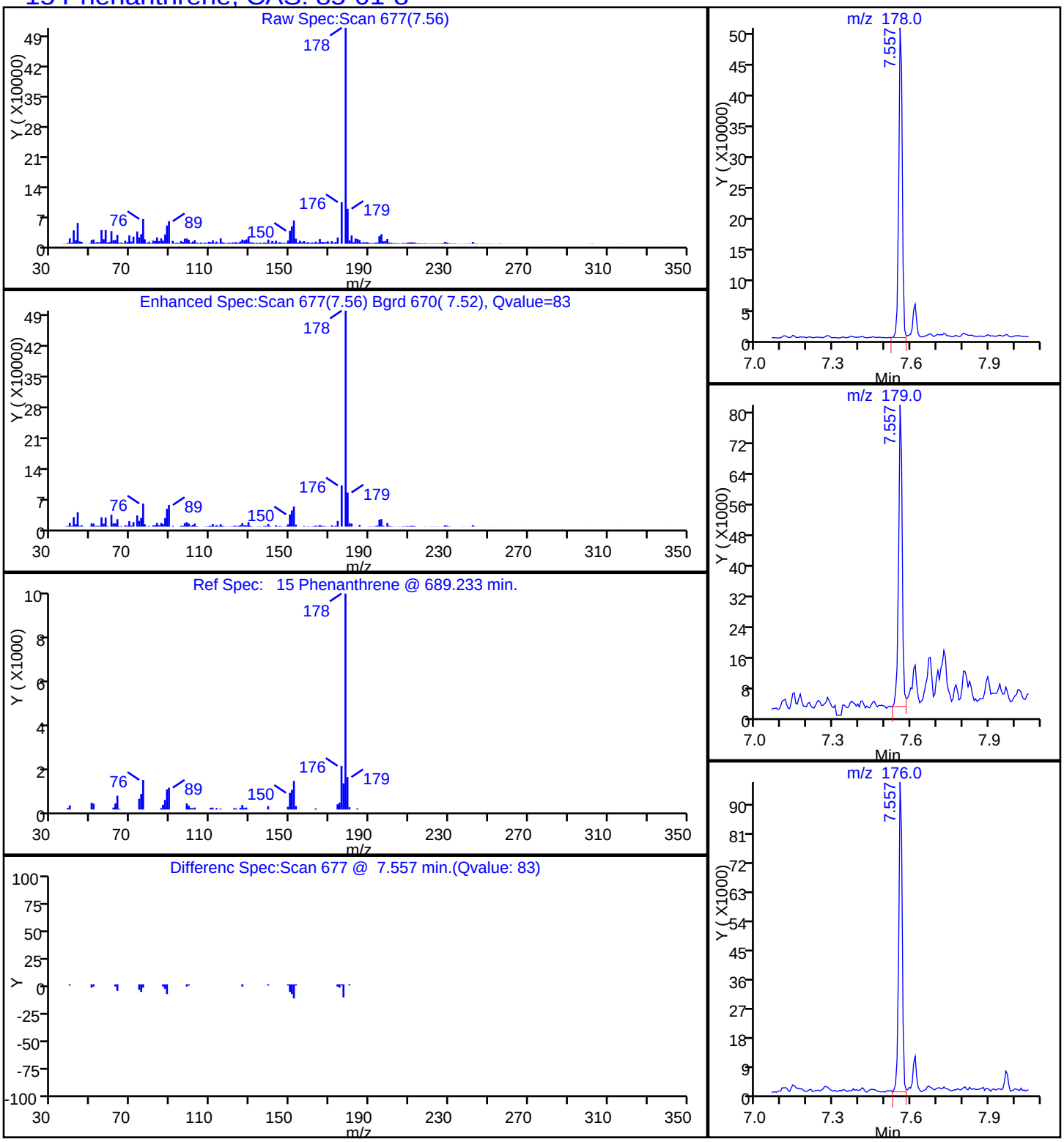


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

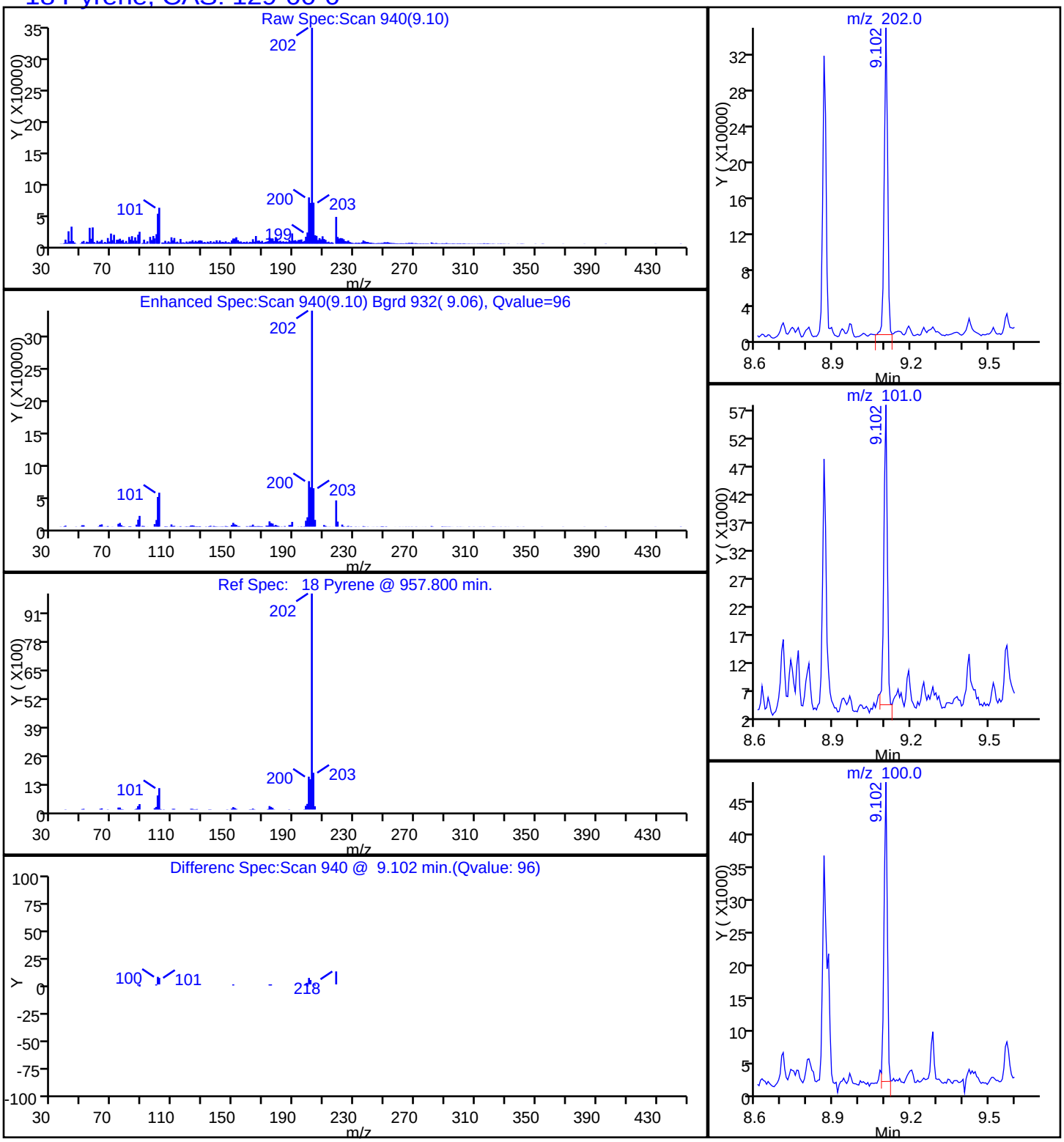


Report Date: 07-Feb-2015 09:08:10 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

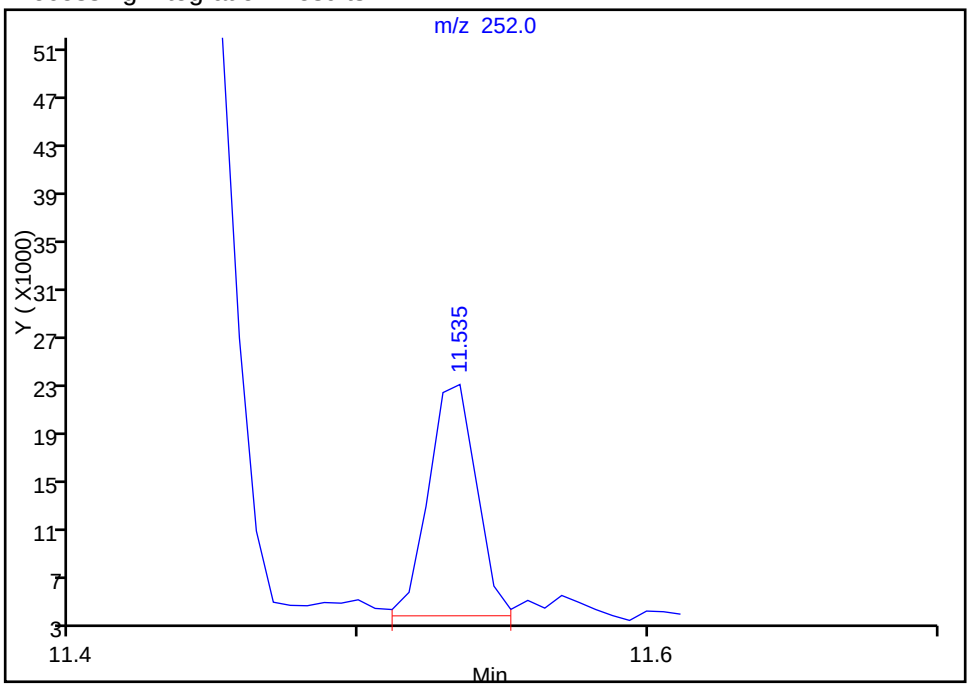
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0630.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-16-A	Lab Sample ID:	680-109515-16		
Client ID:	CV0627B-GS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

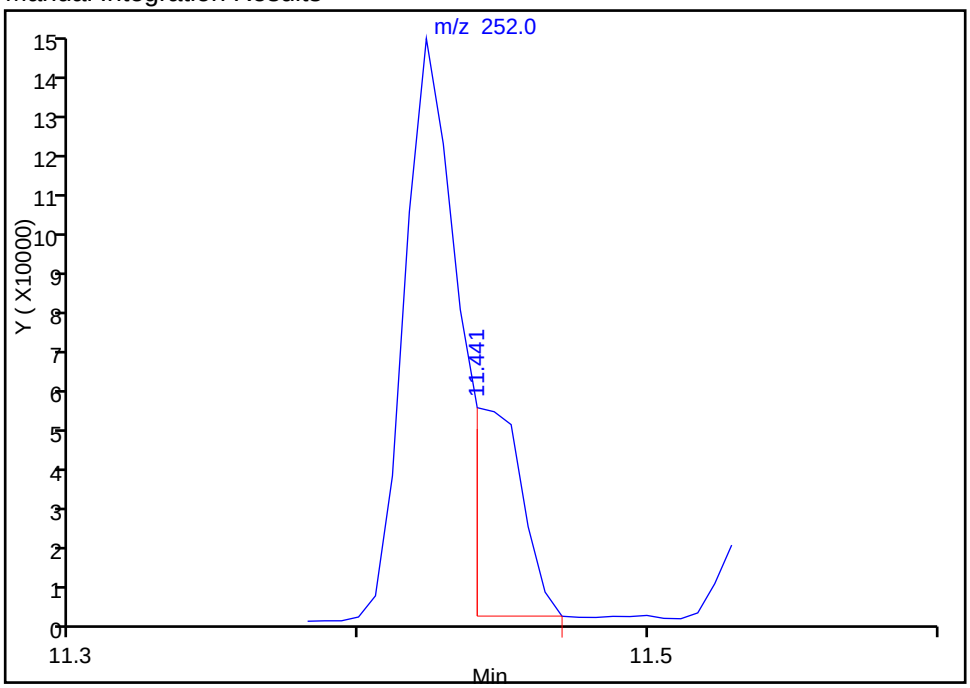
Processing Integration Results

RT: 11.53
Area: 22357
Amount: 0.112734
Amount Units: ug/ml



Manual Integration Results

RT: 11.44
Area: 62187
Amount: 0.313573
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 09:05:58
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: CV0627B-GS18" | Lab Sample ID: 680-109515-17

Matrix: Solid | Lab File ID: 1KB0631.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 09:15

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:00

Sample wt/vol: 30.10(g) | Date Analyzed: 02/06/2015 23:57

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

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

% Moisture: 14.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.8	U	7.8	3.8
208-96-8	Acenaphthylene	7.8	U	7.8	3.8
120-12-7	Anthracene	7.8	U	7.8	3.8
56-55-3	Benzo[a]anthracene	5.0	J	7.8	3.8
50-32-8	Benzo[a]pyrene	6.1	J	7.8	1.4
205-99-2	Benzo[b]fluoranthene	13		7.8	3.8
191-24-2	Benzo[g,h,i]perylene	7.1	J	7.8	3.8
207-08-9	Benzo[k]fluoranthene	5.4	J	7.8	2.3
218-01-9	Chrysene	9.1		7.8	3.8
53-70-3	Dibenz(a,h)anthracene	7.8	U	7.8	3.8
206-44-0	Fluoranthene	4.6	J	7.8	3.8
86-73-7	Fluorene	7.8	U	7.8	3.8
193-39-5	Indeno[1,2,3-cd]pyrene	5.1	J	7.8	3.8
90-12-0	1-Methylnaphthalene	4.6	J	7.8	3.6
91-57-6	2-Methylnaphthalene	4.9	J	7.8	3.8
91-20-3	Naphthalene	7.8	U	7.8	3.8
85-01-8	Phenanthrene	6.6	J	7.8	2.8
129-00-0	Pyrene	4.7	J	7.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	63		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Sample Type:	Client				
Inject. Date:	06-Feb-2015 23:57:30	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-109515-B-17-A				
Misc. Info.:	680-0016900-031				
Operator ID:		Instrument ID:	CMSK		

Method:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\8270_LLPAH_CMSK.m		
Limit Group:	8270D_LL_PAH		
Last Update:	07-Feb-2015 09:07:25	Calib Date:	04-Feb-2015 11:35:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D		

Column 1 :	Restek RXi-5Sil MS (0.25 mm)	Det: MS SCAN
Process Host:	XAWRK048	

First Level Reviewer: webbk Date: 07-Feb-2015 09:06:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.120	4.126	-0.006	99	534356	2.00	
* 2 Acenaphthene-d10	164	5.912	5.912	0.000	91	306595	2.00	
* 3 Phenanthrene-d10	188	7.534	7.527	0.007	99	499705	2.00	
* 4 Chrysene-d12	240	10.360	10.354	0.006	99	426895	2.00	
* 5 Perylene-d12	264	11.840	11.823	0.017	98	321131	2.00	
$ 6 o-Terphenyl	230	7.968	7.968	0.000	90	211899	1.26	
7 Naphthalene	128	4.137	4.143	-0.006	99	22719	0.0742	
9 2-Methylnaphthalene	142	4.819	4.825	-0.006	86	24363	0.1269	
8 1-Methylnaphthalene	142	4.925	4.925	0.000	93	20860	0.1201	
15 Phenanthrene	178	7.557	7.551	0.006	98	53032	0.1703	
16 Anthracene	178	7.610	7.610	0.000	70	11663	0.0406	7
17 Fluoranthene	202	8.861	8.855	0.006	98	38166	0.1180	
18 Pyrene	202	9.096	9.096	0.000	96	41576	0.1208	
19 Benzo[a]anthracene	228	10.348	10.342	0.006	96	35786	0.1300	
20 Chrysene	228	10.383	10.377	0.006	98	61939	0.2346	
21 Benzo[b]fluoranthene	252	11.417	11.405	0.012	98	73441	0.3284	
22 Benzo[k]fluoranthene	252	11.441	11.435	0.006	98	30416	0.1401	M
23 Benzo[a]pyrene	252	11.776	11.764	0.012	95	30257	0.1568	
24 Indeno[1,2,3-cd]pyrene	276	13.262	13.239	0.023	98	29024	0.1323	
25 Dibenz(a,h)anthracene	278	13.286	13.268	0.018	94	13536	0.0936	
26 Benzo[g,h,i]perylene	276	13.685	13.662	0.023	96	28572	0.1848	

QC Flag Legend

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

Reagents:

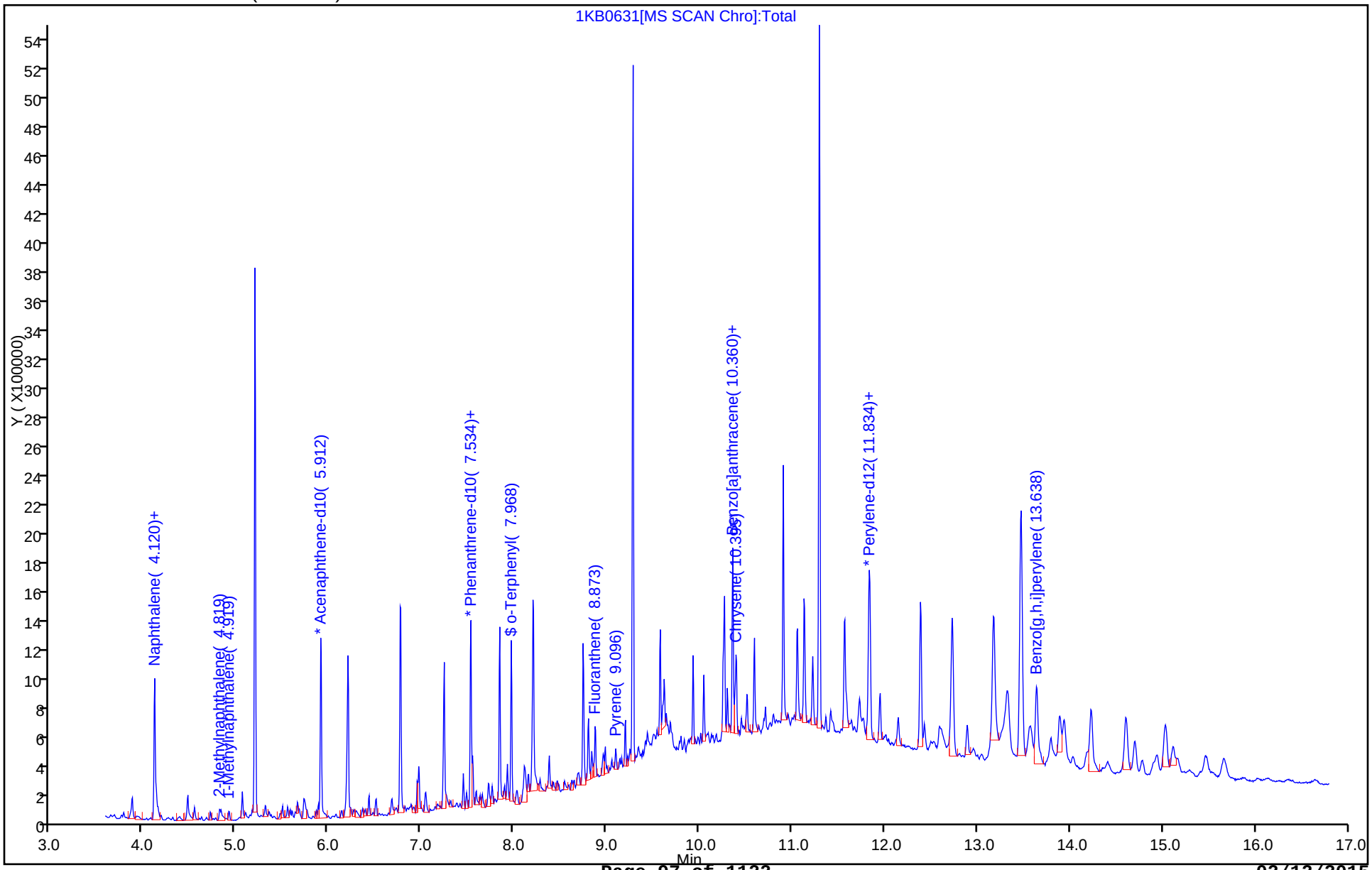
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK	Operator ID:	
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17	Worklist Smp#:	31
Client ID:	CV0627B-GS18"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

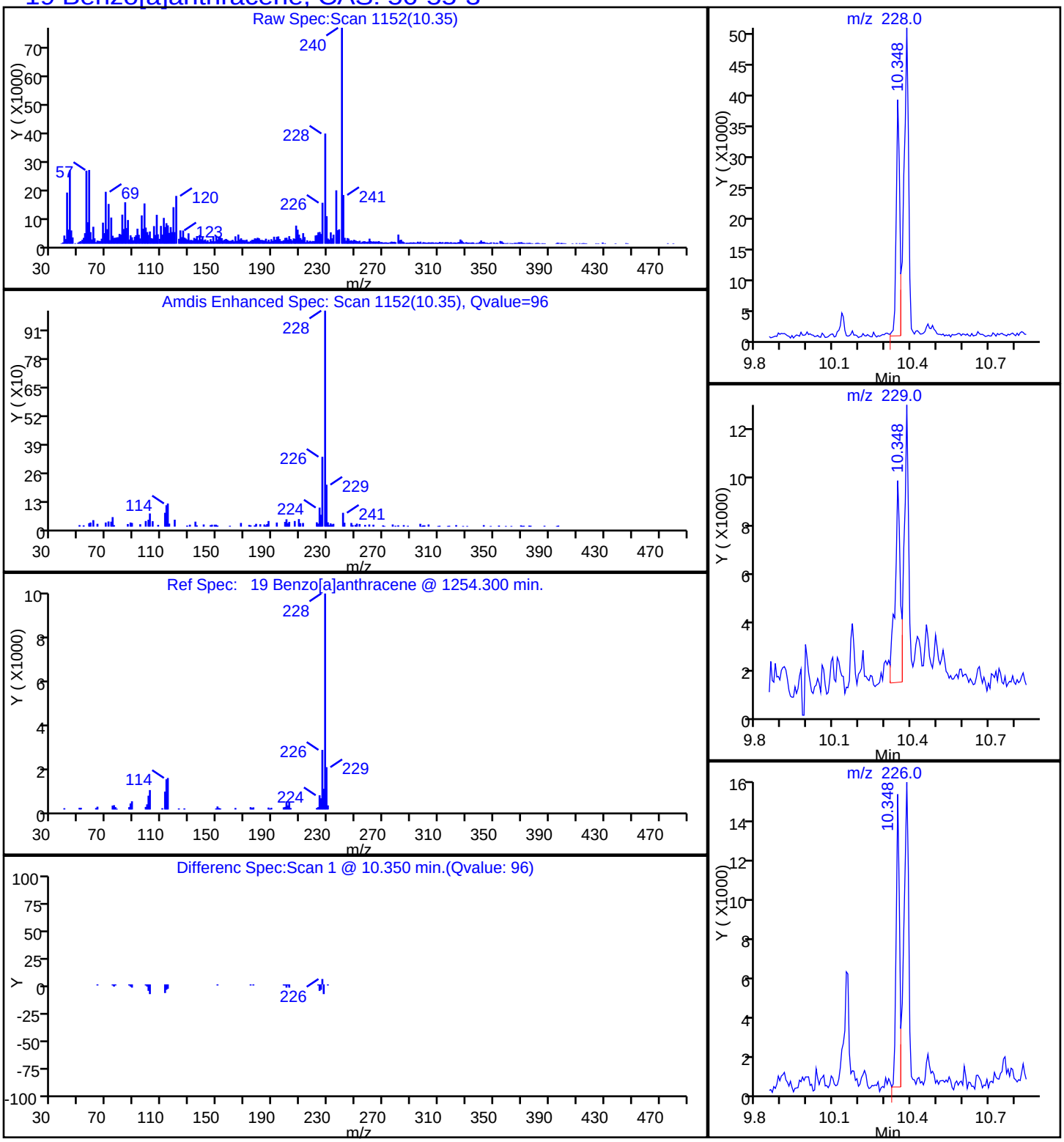


Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

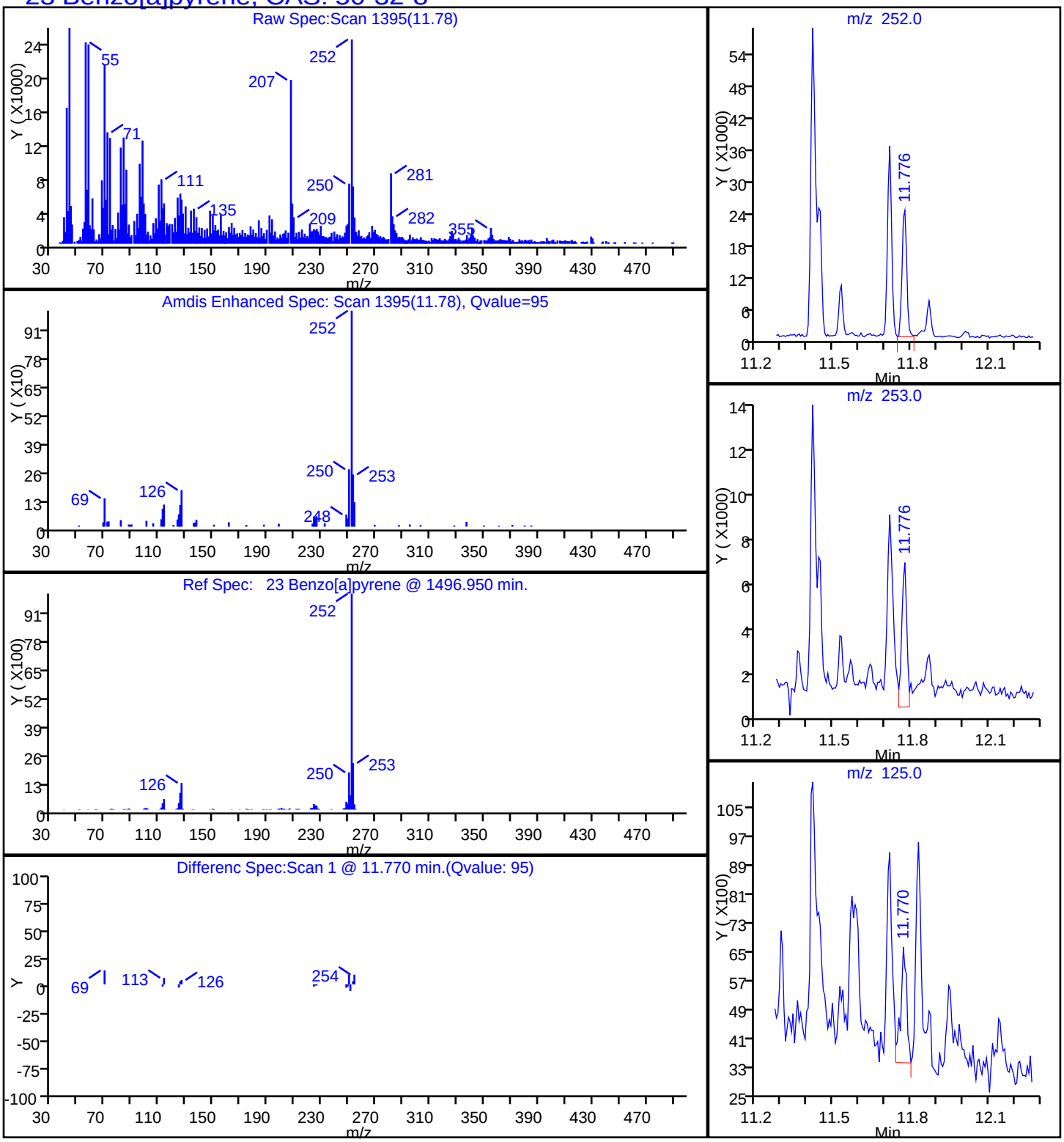


Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

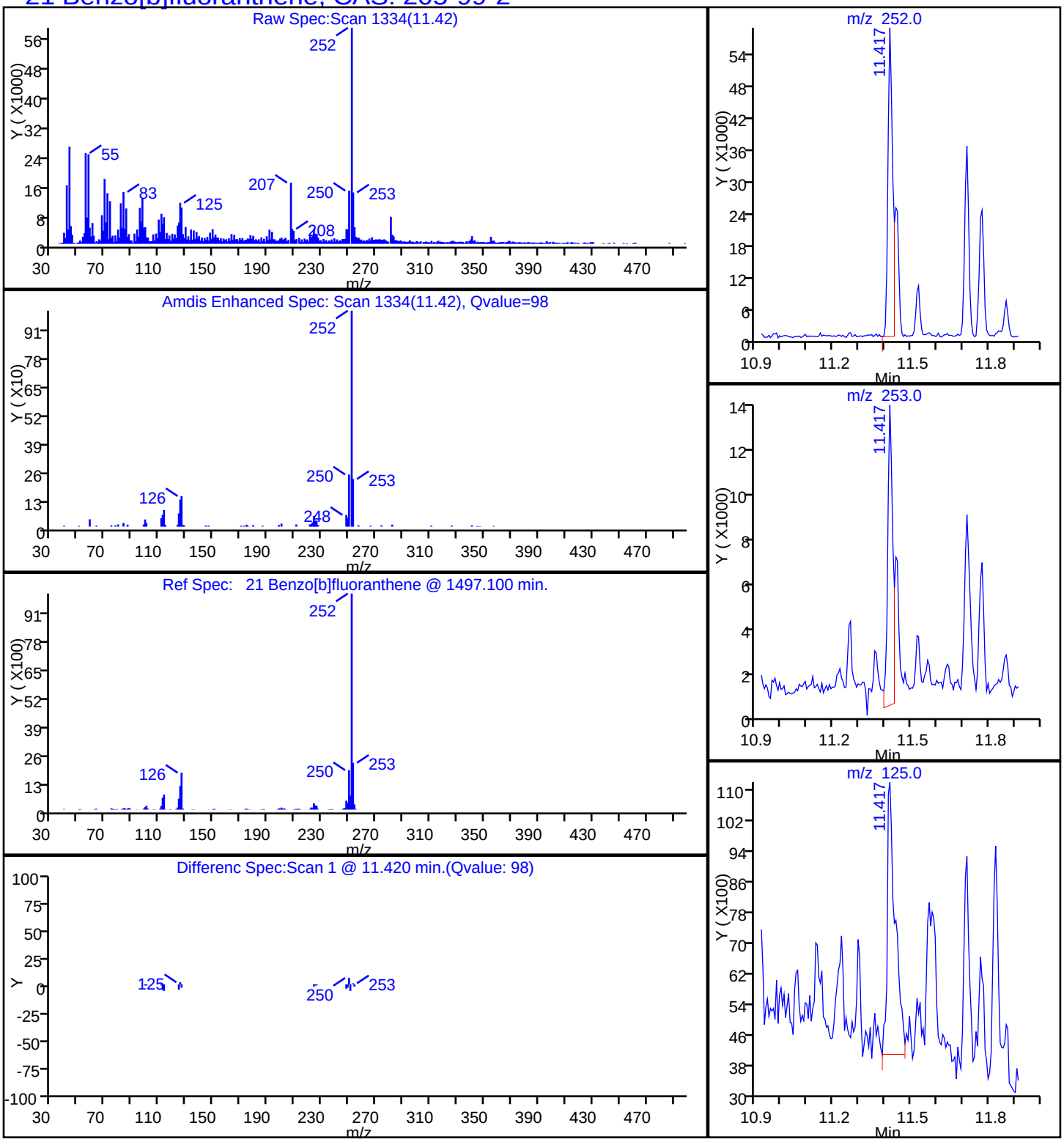


Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

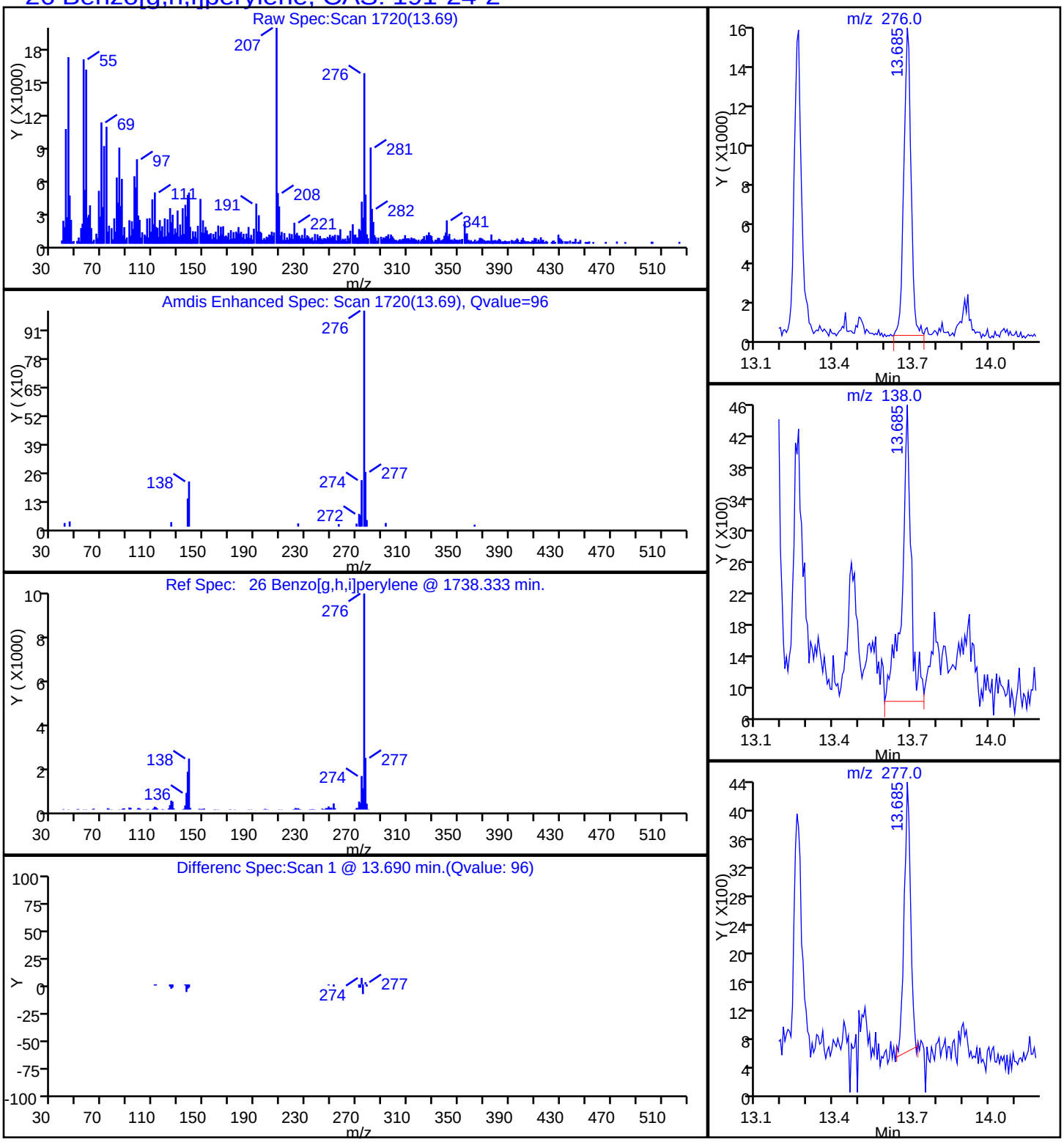


Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

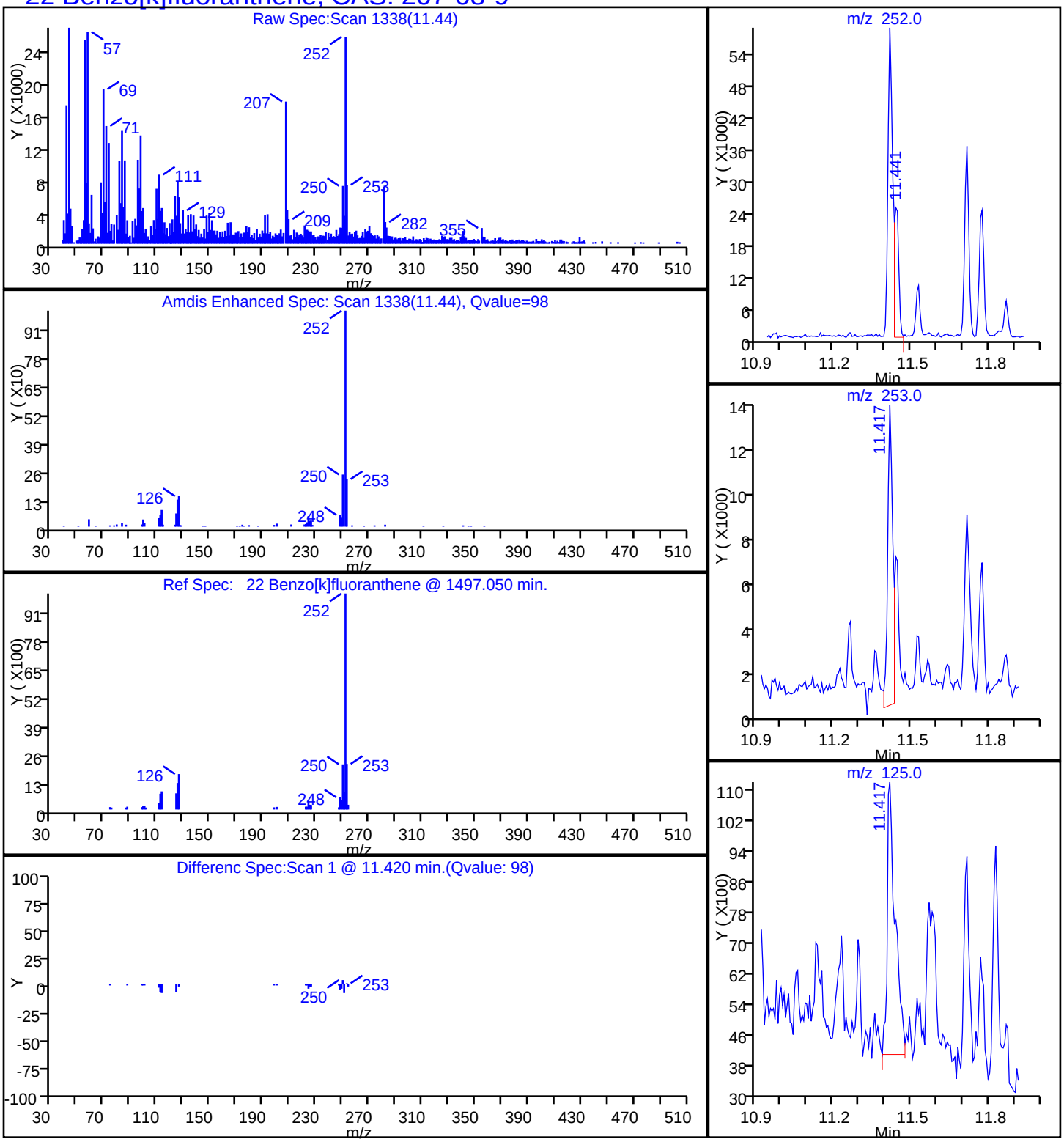


Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

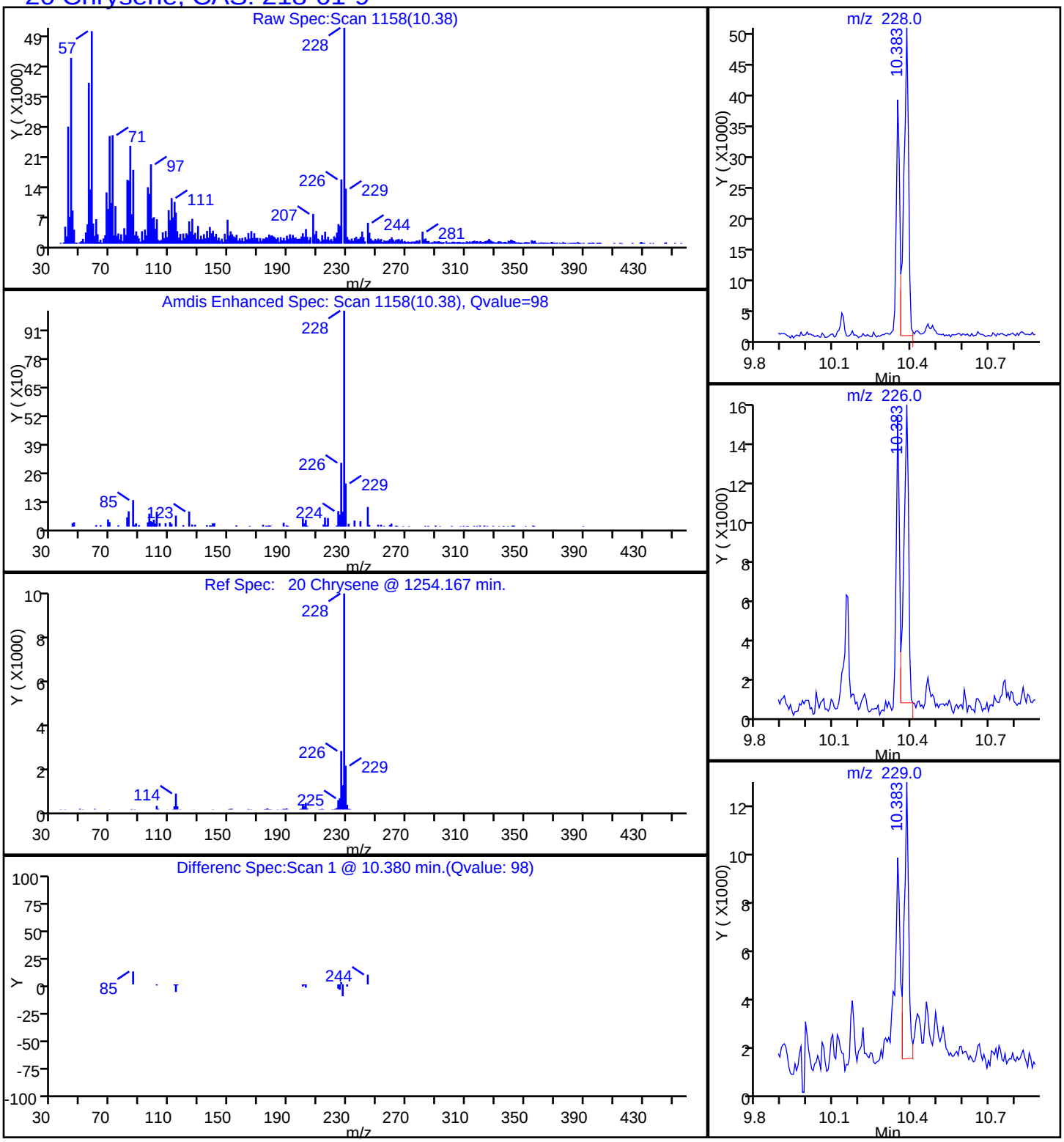


Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

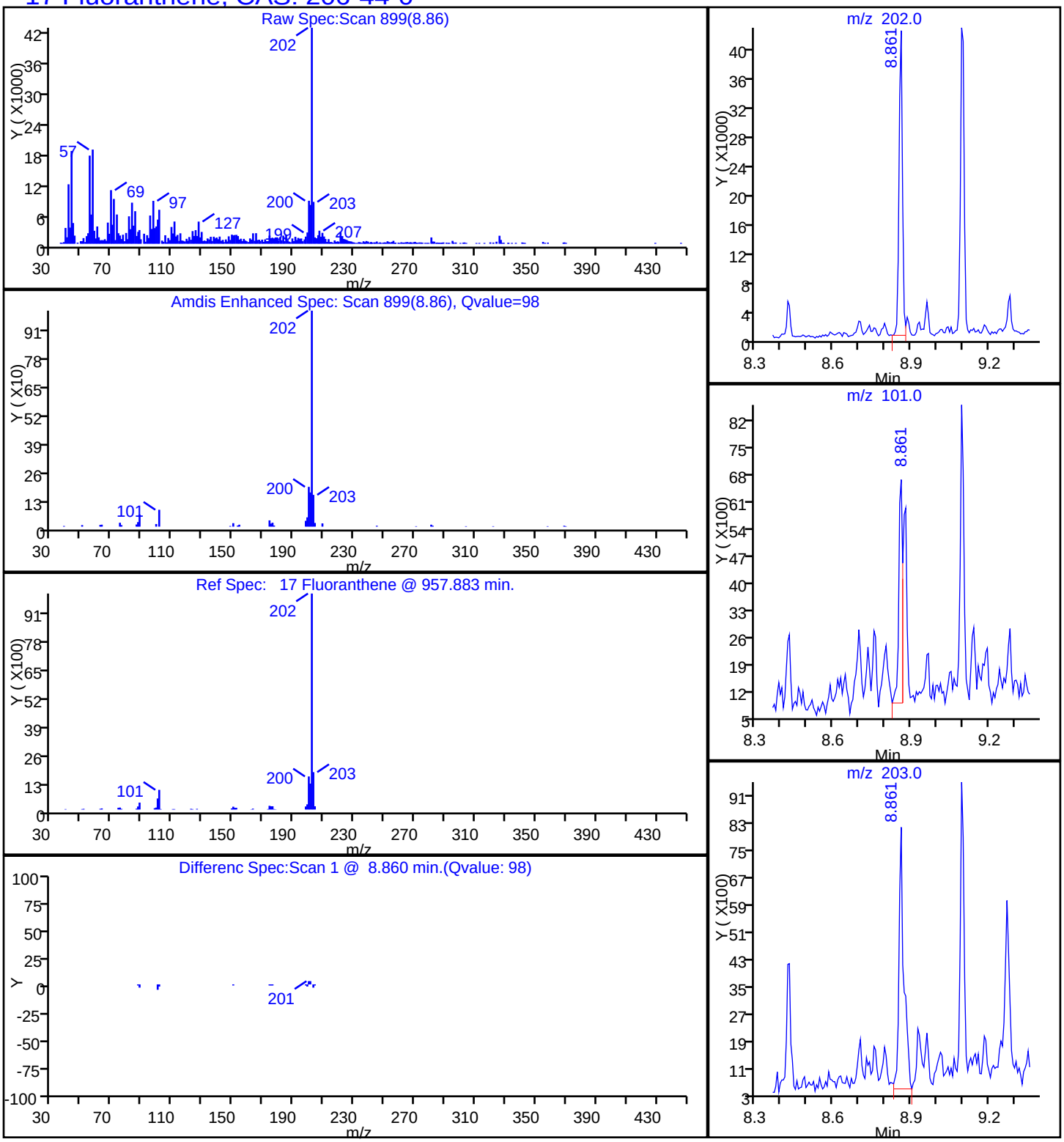


Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

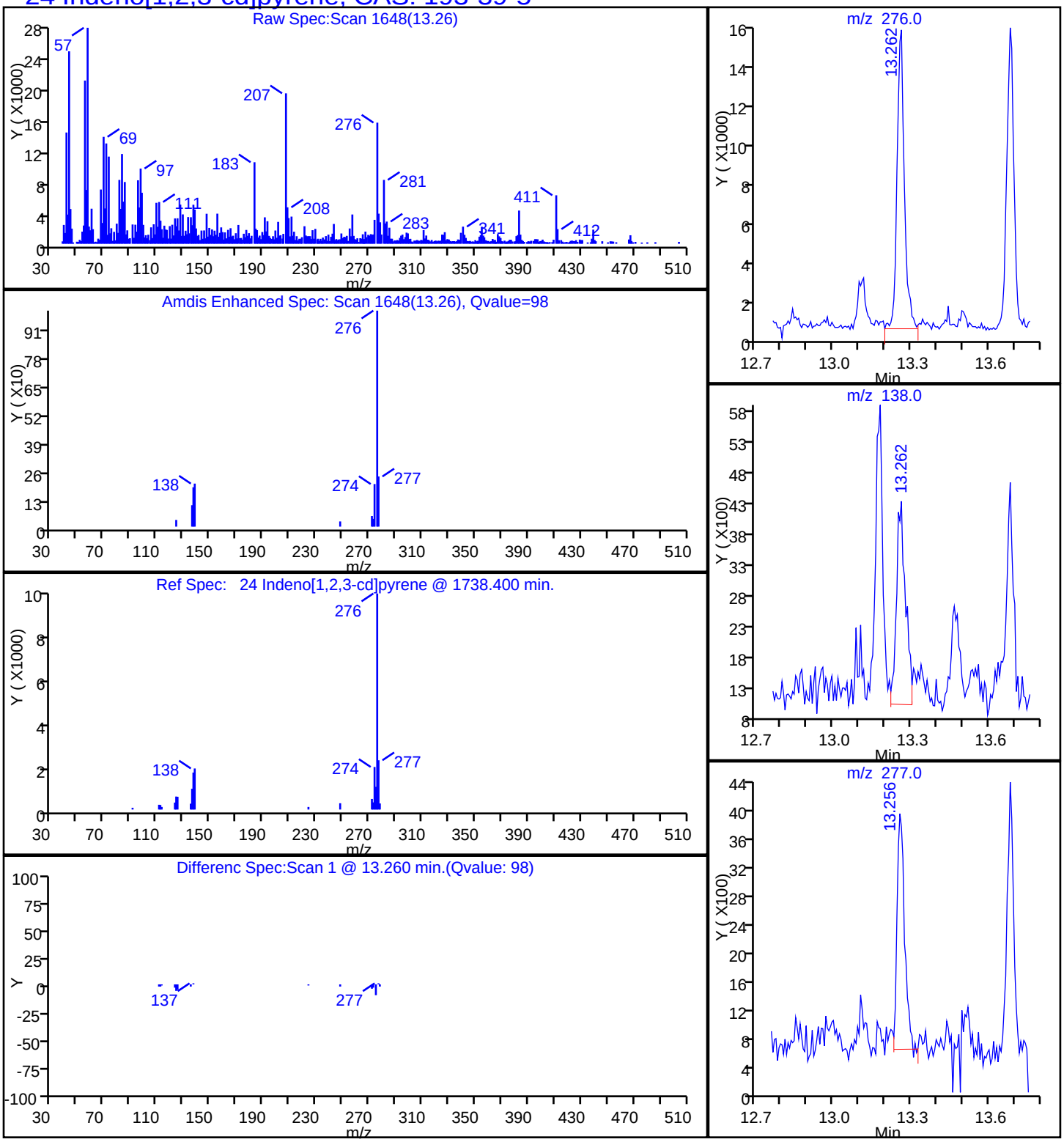


Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

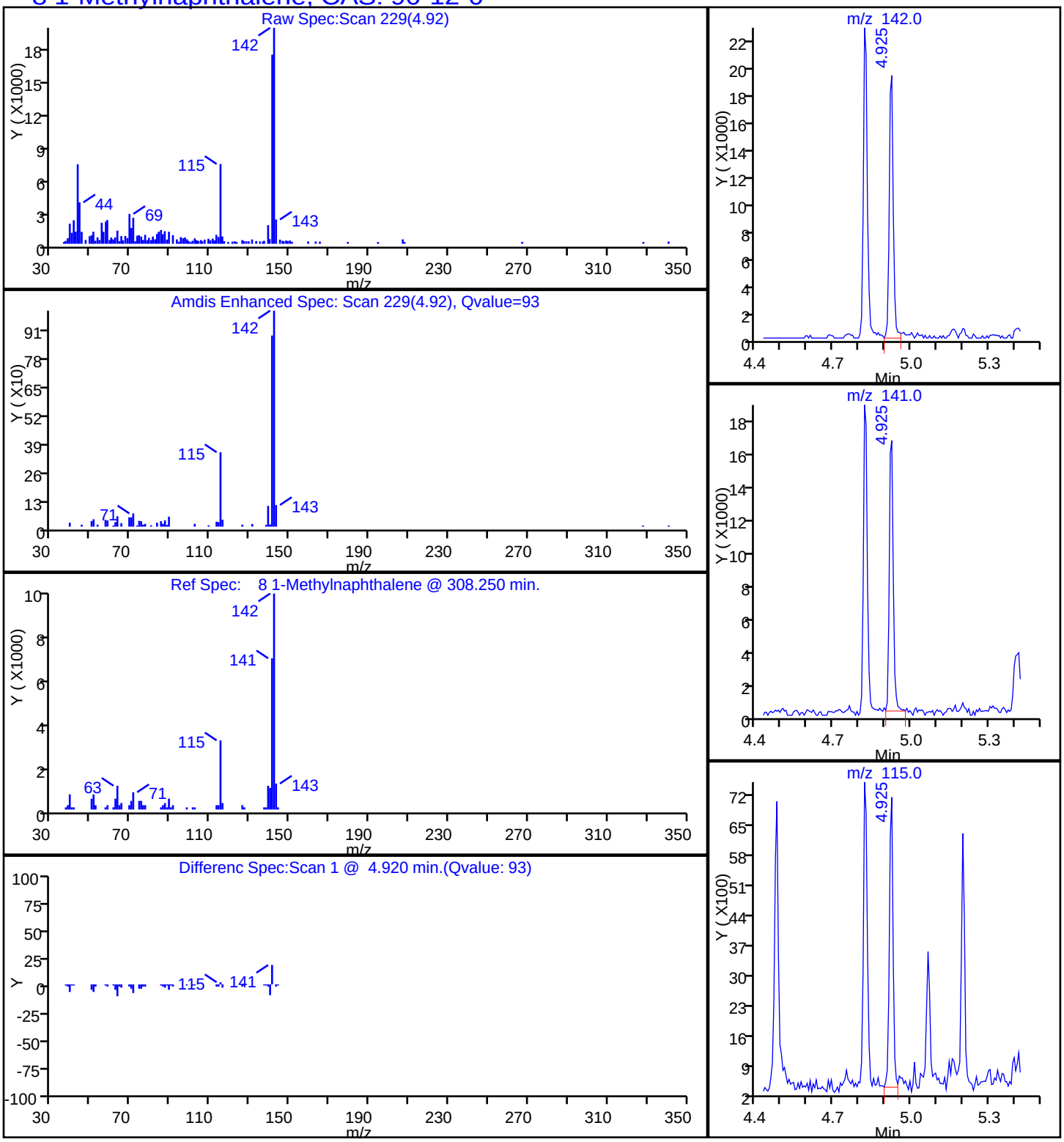


Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

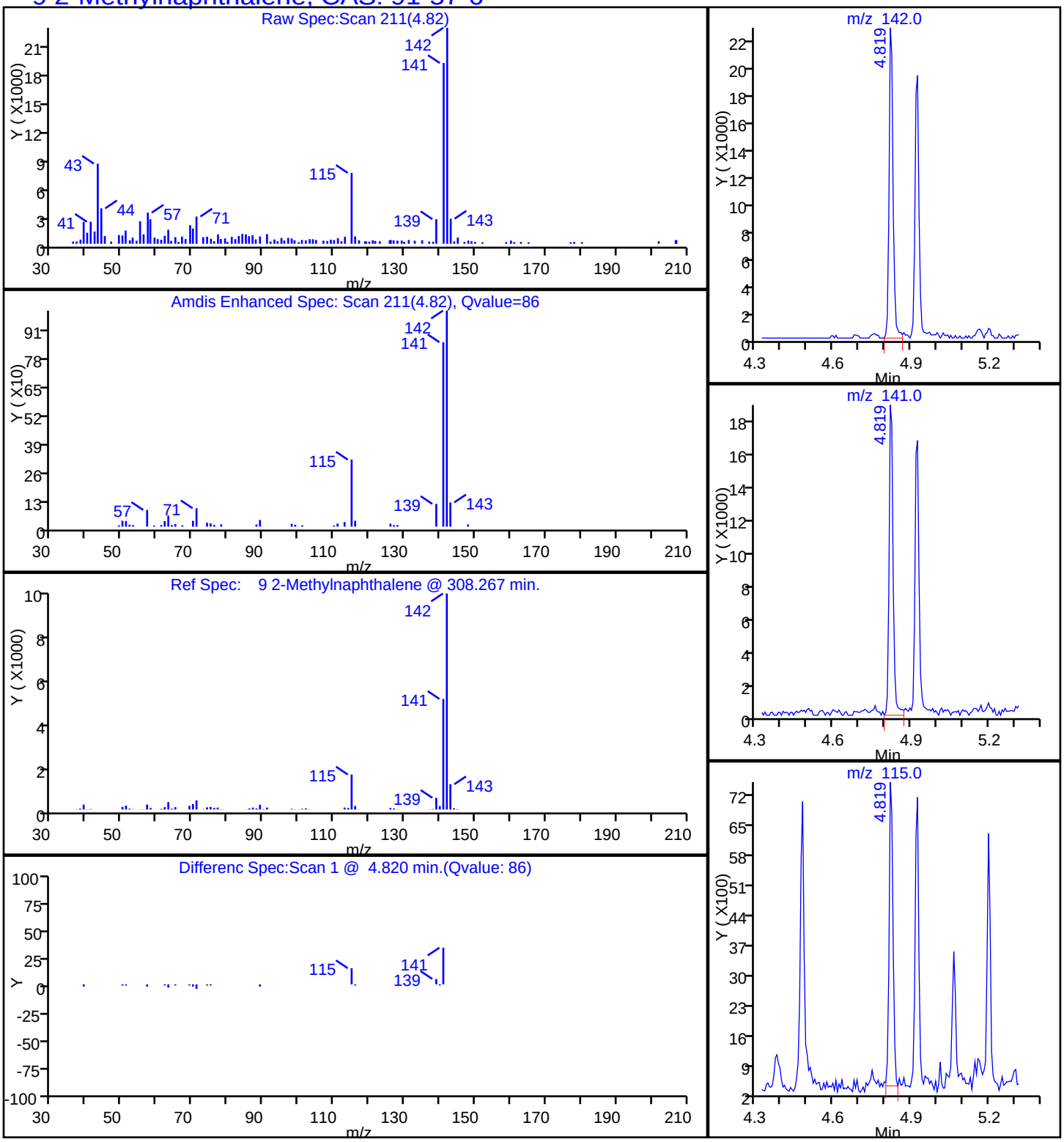


Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

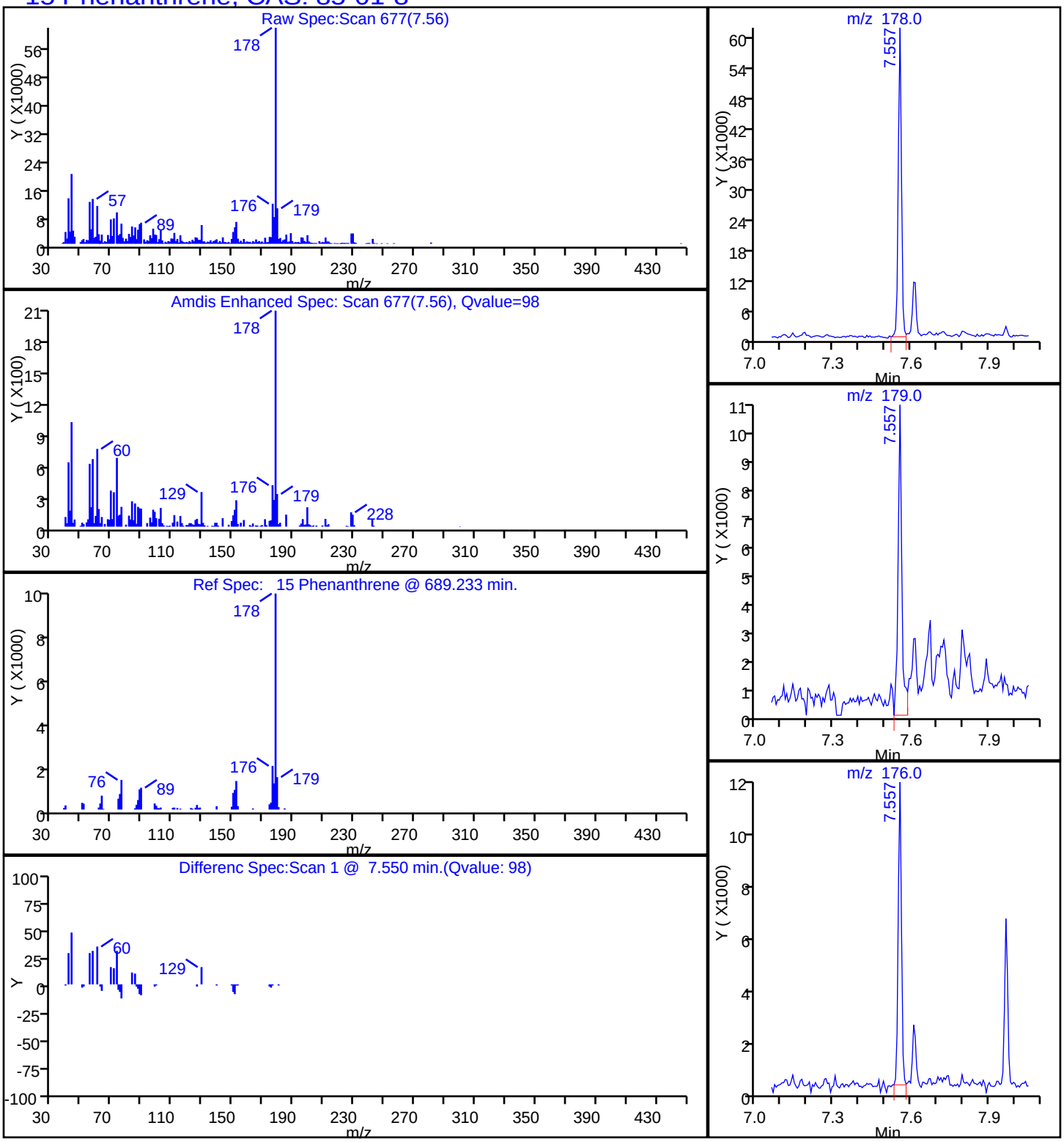


Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

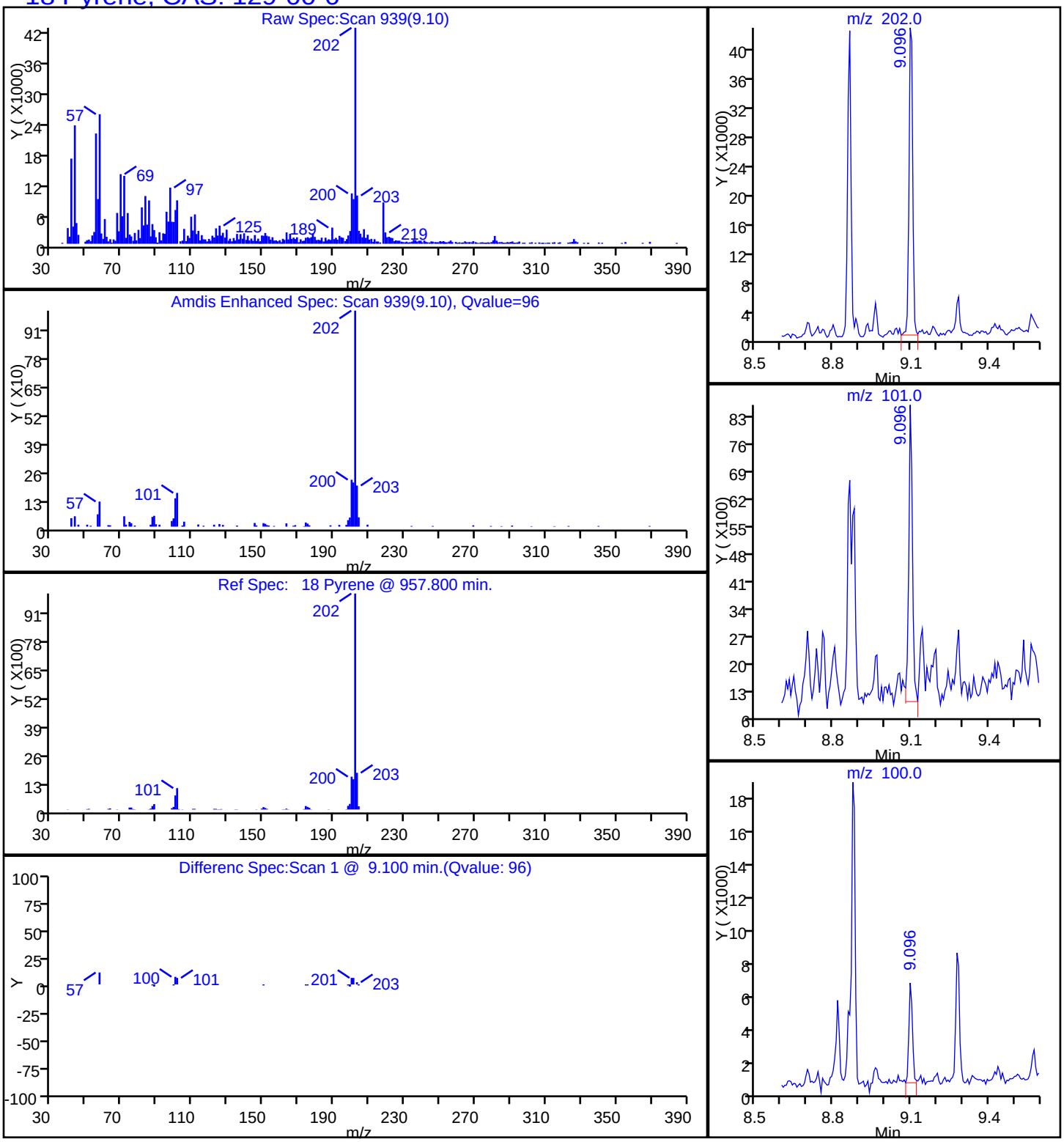


Report Date: 07-Feb-2015 09:08:11 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

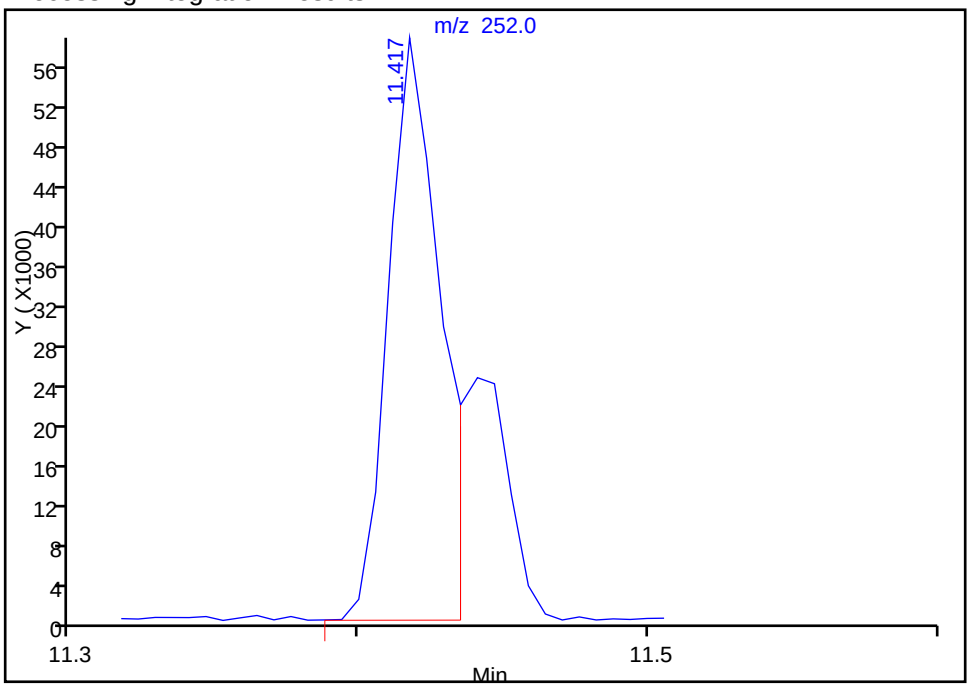
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0631.D				
Injection Date:	06-Feb-2015 23:57:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-17-A	Lab Sample ID:	680-109515-17		
Client ID:	CV0627B-GS18"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

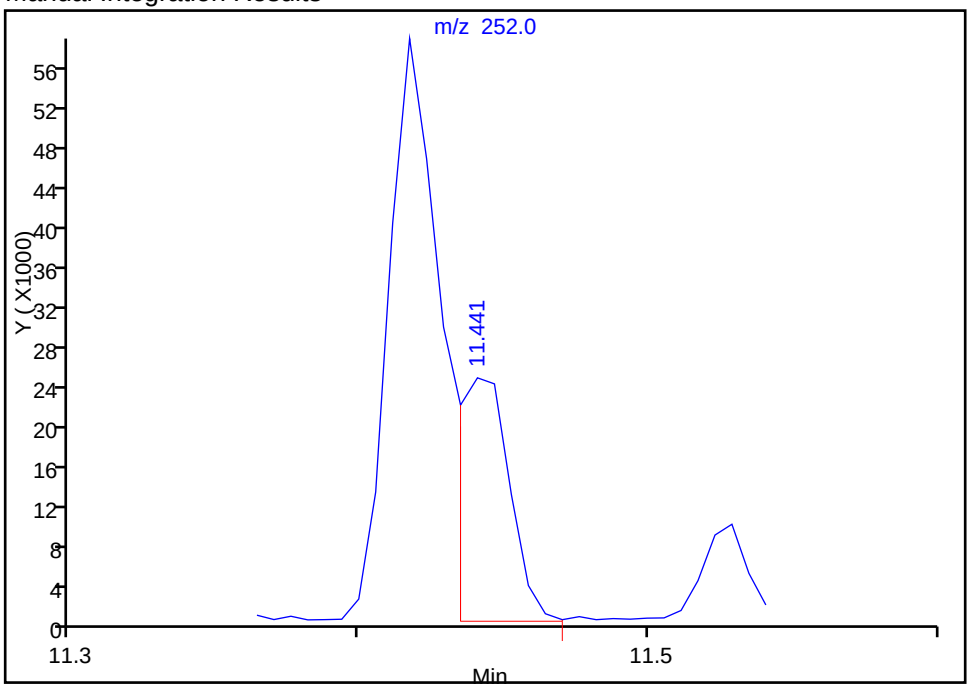
Processing Integration Results

RT: 11.42
Area: 73441
Amount: 0.338285
Amount Units: ug/ml



Manual Integration Results

RT: 11.44
Area: 30416
Amount: 0.140102
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 09:06:37
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: CV0627B-GS24" | Lab Sample ID: 680-109515-18

Matrix: Solid | Lab File ID: 1KB0632.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 09:20

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:00

Sample wt/vol: 29.91(g) | Date Analyzed: 02/07/2015 00:20

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

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

% Moisture: 19.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.3	U	8.3	4.1
208-96-8	Acenaphthylene	8.3	U	8.3	4.1
120-12-7	Anthracene	8.3	U	8.3	4.1
56-55-3	Benzo[a]anthracene	5.1	J	8.3	4.1
50-32-8	Benzo[a]pyrene	7.3	J	8.3	1.5
205-99-2	Benzo[b]fluoranthene	16		8.3	4.1
191-24-2	Benzo[g,h,i]perylene	6.9	J	8.3	4.1
207-08-9	Benzo[k]fluoranthene	5.4	J	8.3	2.5
218-01-9	Chrysene	9.4		8.3	4.1
53-70-3	Dibenz(a,h)anthracene	8.3	U	8.3	4.1
206-44-0	Fluoranthene	4.8	J	8.3	4.1
86-73-7	Fluorene	8.3	U	8.3	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	6.2	J	8.3	4.1
90-12-0	1-Methylnaphthalene	8.3	U	8.3	3.8
91-57-6	2-Methylnaphthalene	8.3	U	8.3	4.1
91-20-3	Naphthalene	8.3	U	8.3	4.1
85-01-8	Phenanthrene	5.4	J	8.3	3.0
129-00-0	Pyrene	5.1	J	8.3	4.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	61		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Sample Type:	Client				
Inject. Date:	07-Feb-2015 00:20:30	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-109515-B-18-A				
Misc. Info.:	680-0016900-032				
Operator ID:		Instrument ID:	CMSK		

Method:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\8270_LLPAH_CMSK.m		
Limit Group:	8270D_LL_PAH		
Last Update:	07-Feb-2015 09:07:25	Calib Date:	04-Feb-2015 11:35:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D		

Column 1 :	Restek RXi-5Sil MS (0.25 mm)	Det: MS SCAN
Process Host:	XAWRK048	

First Level Reviewer: webbk Date: 07-Feb-2015 09:07:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.120	4.126	-0.006	99	569393	2.00	
* 2 Acenaphthene-d10	164	5.912	5.912	0.000	92	320648	2.00	
* 3 Phenanthrene-d10	188	7.534	7.527	0.007	99	522962	2.00	
* 4 Chrysene-d12	240	10.360	10.354	0.006	99	450734	2.00	
* 5 Perylene-d12	264	11.840	11.823	0.017	98	341320	2.00	
$ 6 o-Terphenyl	230	7.968	7.968	0.000	89	215178	1.21	
7 Naphthalene	128	4.137	4.143	-0.006	99	18679	0.0573	
9 2-Methylnaphthalene	142	4.819	4.825	-0.006	85	15379	0.0752	
8 1-Methylnaphthalene	142	4.925	4.925	0.000	94	11731	0.0634	
11 Acenaphthylene	152	5.759	5.759	0.000	98	18416	0.0596	
15 Phenanthrene	178	7.557	7.551	0.006	96	42479	0.1304	
16 Anthracene	178	7.610	7.610	0.000	97	12684	0.0421	
17 Fluoranthene	202	8.861	8.855	0.006	97	39335	0.1162	
18 Pyrene	202	9.096	9.096	0.000	96	44673	0.1230	
19 Benzo[a]anthracene	228	10.348	10.342	0.006	96	35693	0.1228	
20 Chrysene	228	10.383	10.377	0.006	99	63178	0.2267	
21 Benzo[b]fluoranthene	252	11.417	11.405	0.012	98	94444	0.3974	M
22 Benzo[k]fluoranthene	252	11.441	11.435	0.006	97	29842	0.1293	M
23 Benzo[a]pyrene	252	11.770	11.764	0.006	96	36184	0.1765	
24 Indeno[1,2,3-cd]pyrene	276	13.256	13.239	0.017	97	34766	0.1501	
26 Benzo[g,h,i]perylene	276	13.685	13.662	0.023	98	27509	0.1674	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

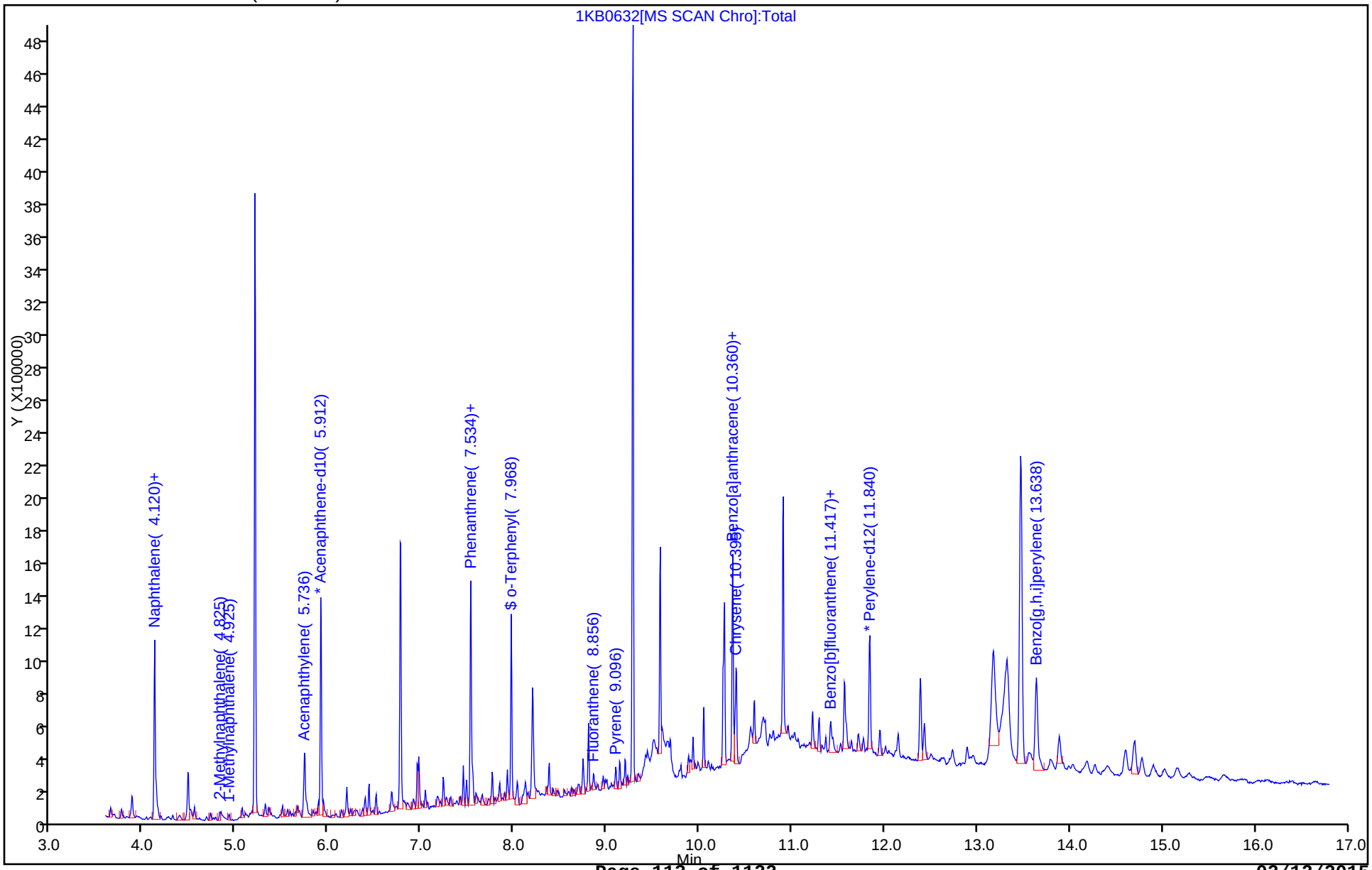
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 09:08:12 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
Injection Date:	07-Feb-2015 00:20:30	Instrument ID:	CMSK	Operator ID:	
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18	Worklist Smp#:	32
Client ID:	CV0627B-GS24"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

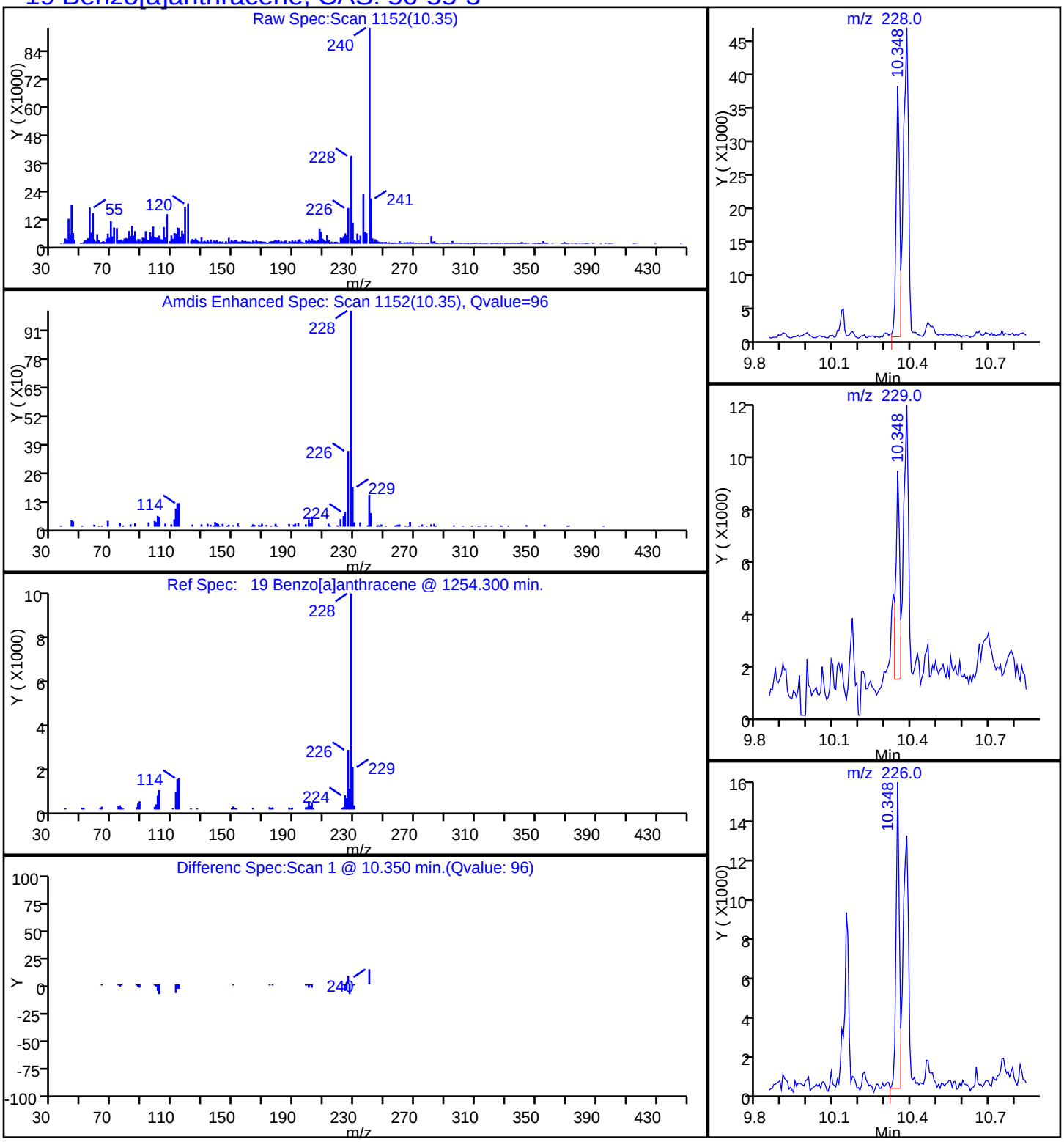


Report Date: 07-Feb-2015 09:08:12 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
Injection Date:	07-Feb-2015 00:20:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

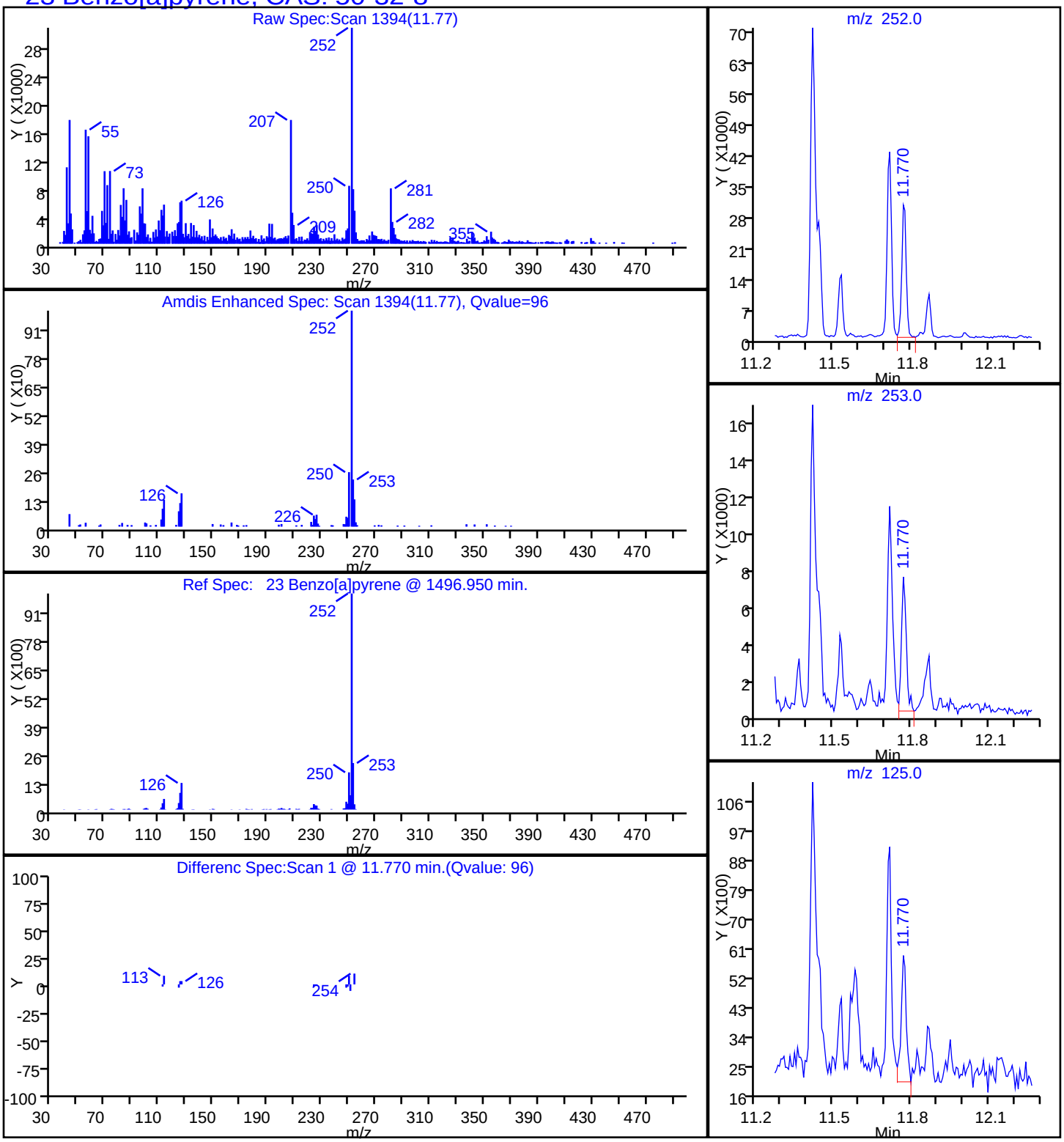


Report Date: 07-Feb-2015 09:08:13 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
Injection Date:	07-Feb-2015 00:20:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 07-Feb-2015 09:08:12 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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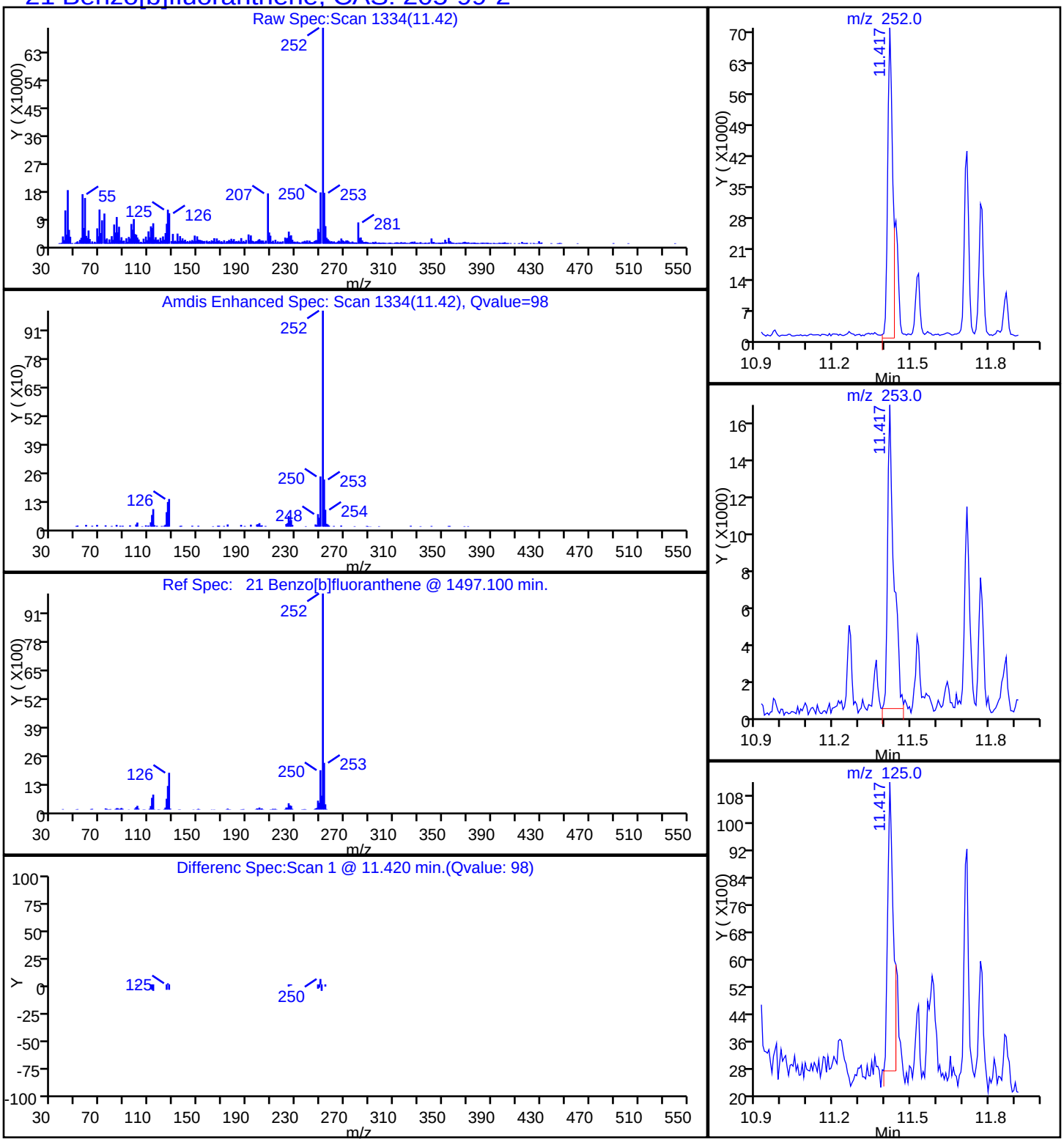
Injection Date:	07-Feb-2015 00:20:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

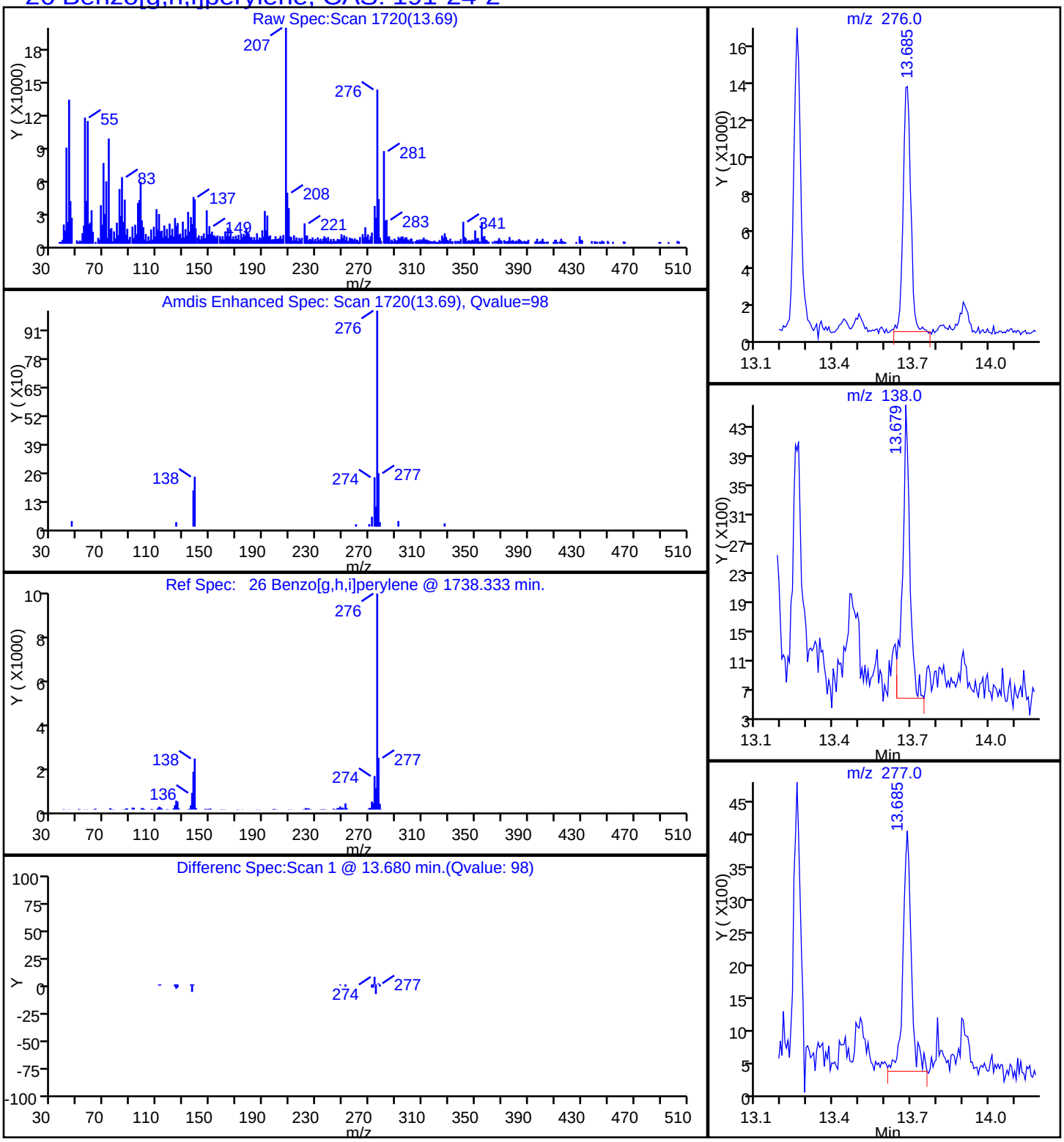


Report Date: 07-Feb-2015 09:08:13 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
Injection Date:	07-Feb-2015 00:20:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

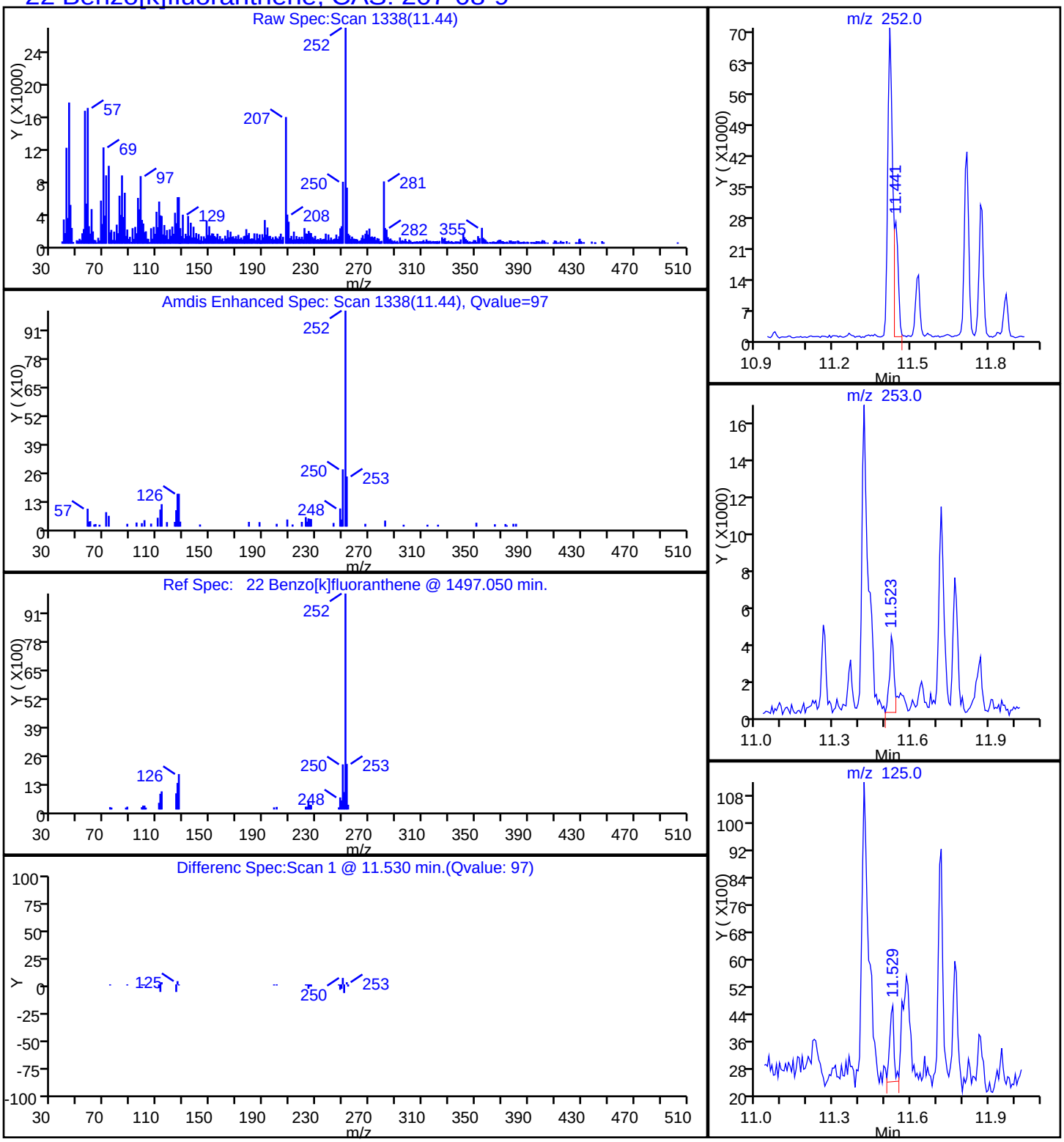


Report Date: 07-Feb-2015 09:08:12 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
Injection Date:	07-Feb-2015 00:20:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

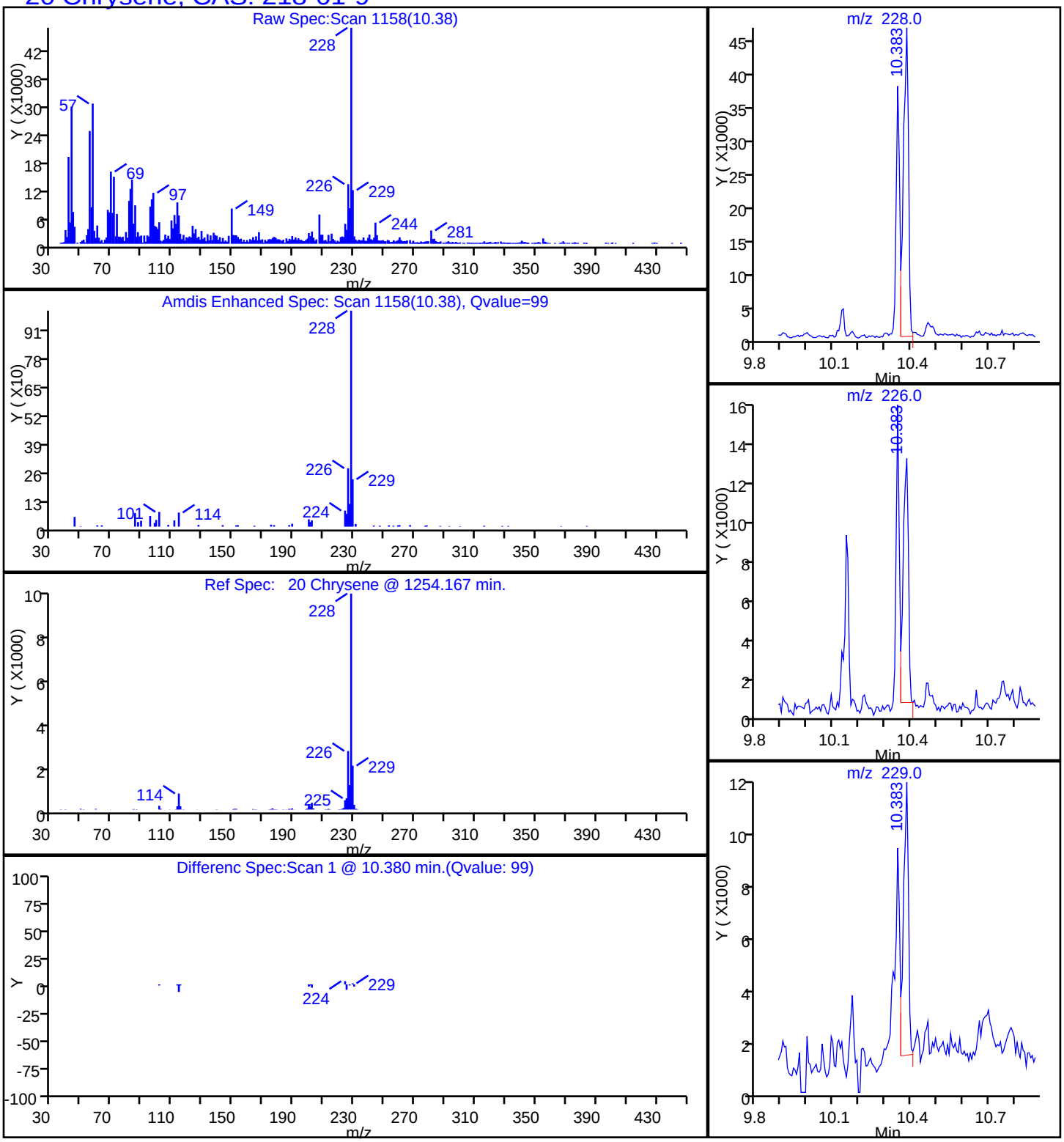


Report Date: 07-Feb-2015 09:08:12 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
Injection Date:	07-Feb-2015 00:20:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9



Report Date: 07-Feb-2015 09:08:12 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
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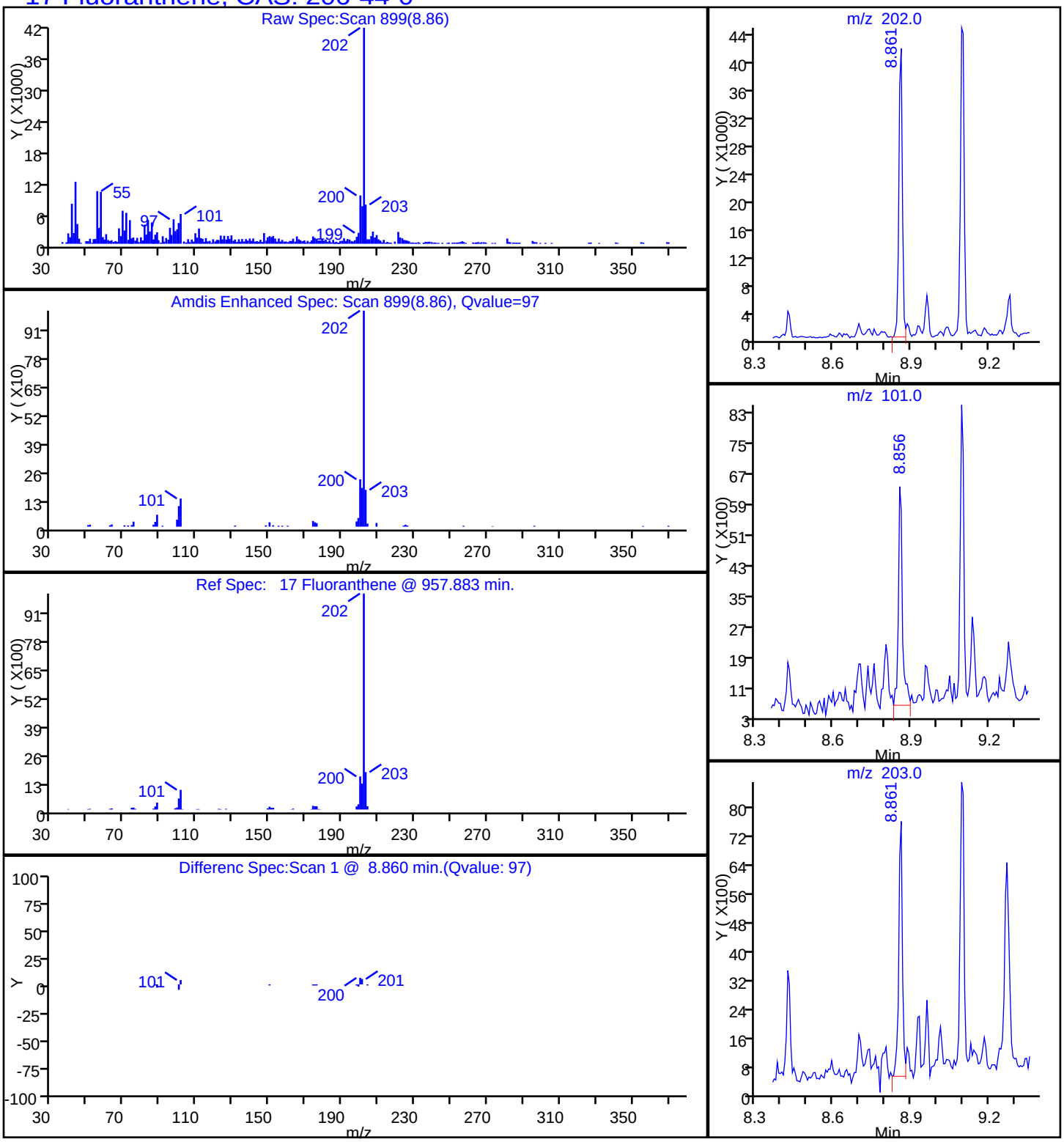
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

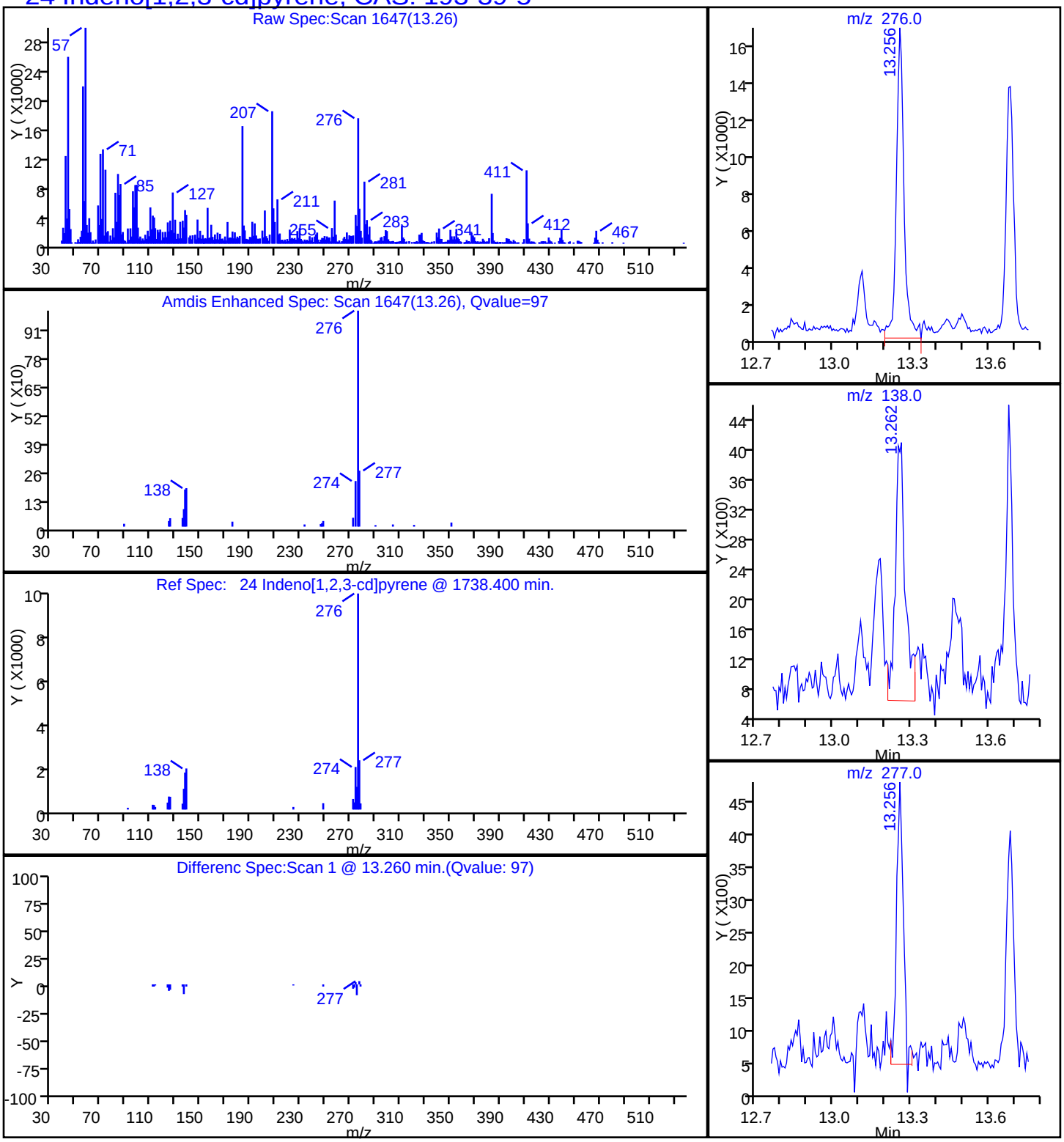


Report Date: 07-Feb-2015 09:08:13 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
Injection Date:	07-Feb-2015 00:20:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

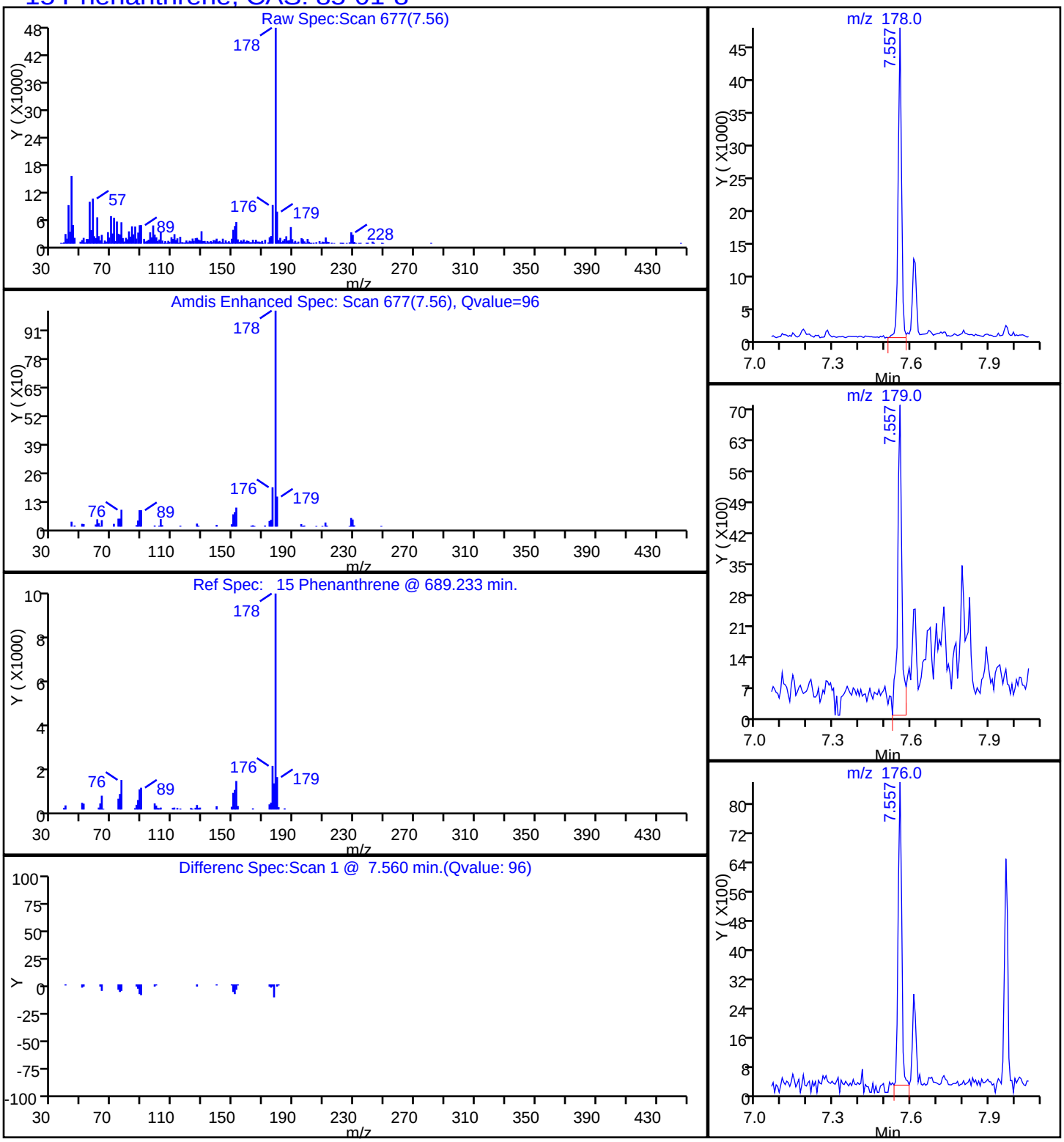


Report Date: 07-Feb-2015 09:08:12 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
Injection Date:	07-Feb-2015 00:20:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

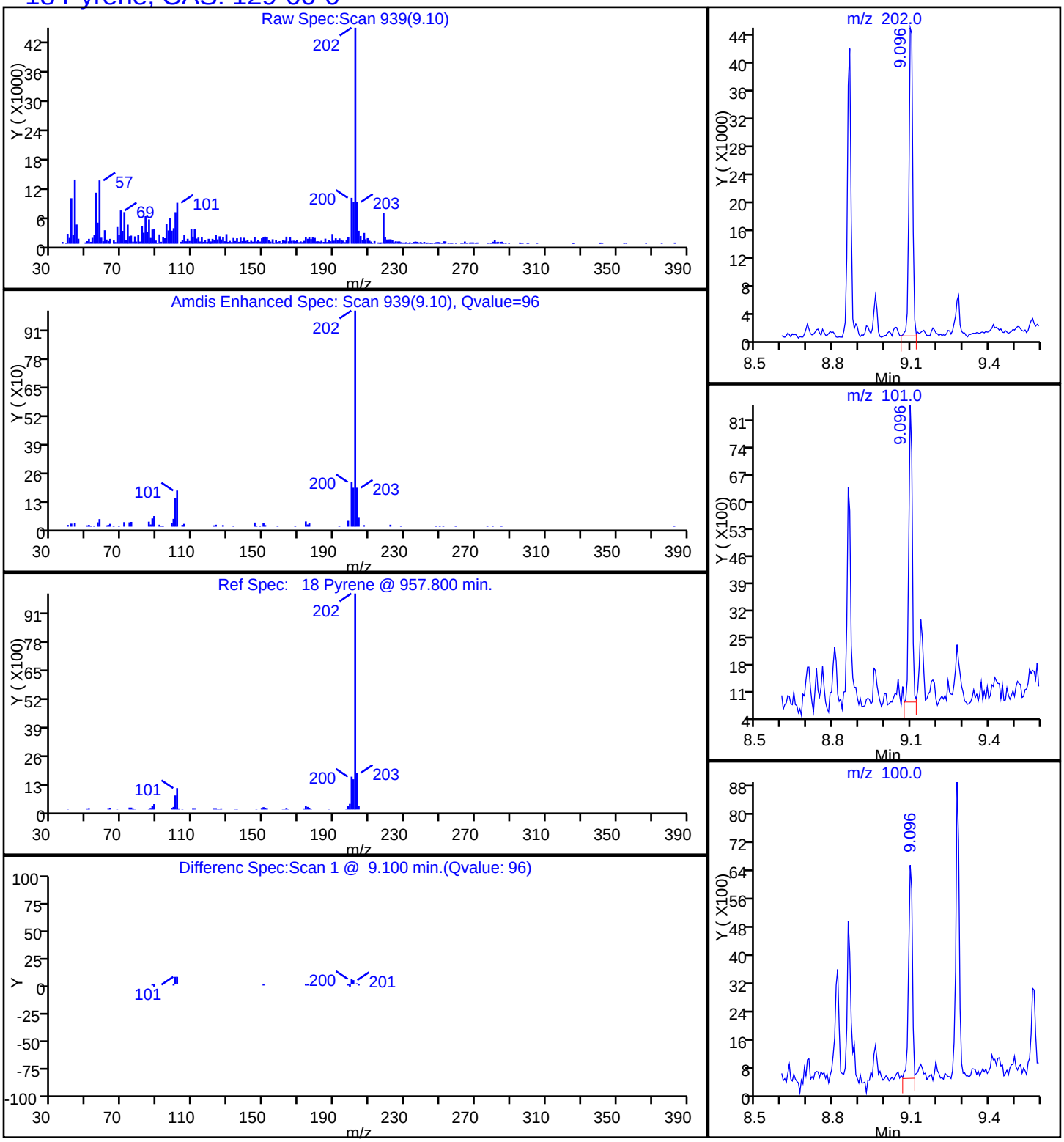


Report Date: 07-Feb-2015 09:08:12 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
Injection Date:	07-Feb-2015 00:20:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

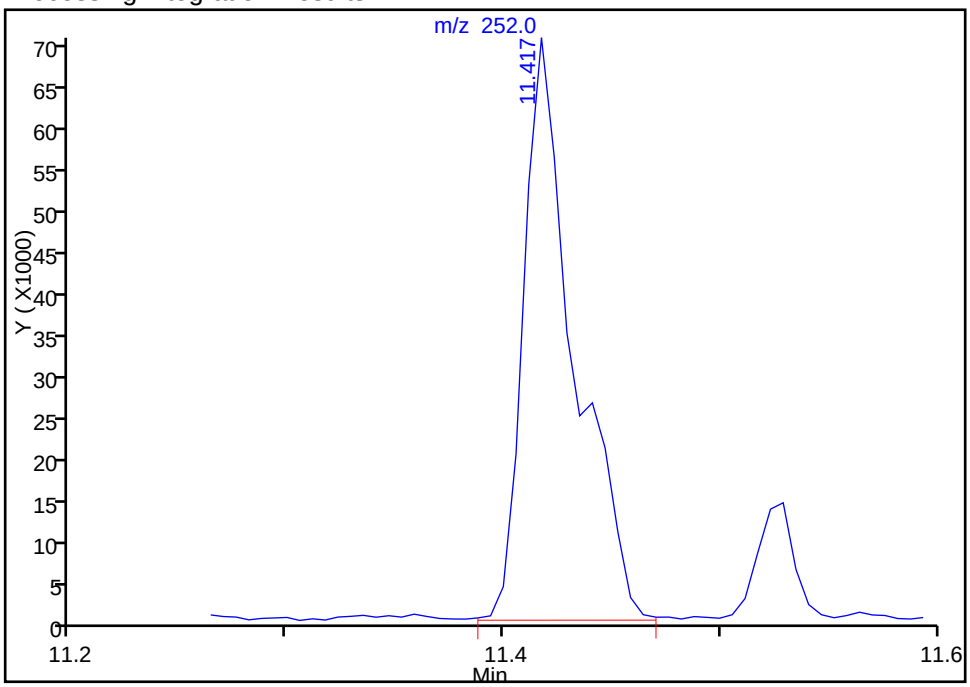
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
Injection Date:	07-Feb-2015 00:20:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

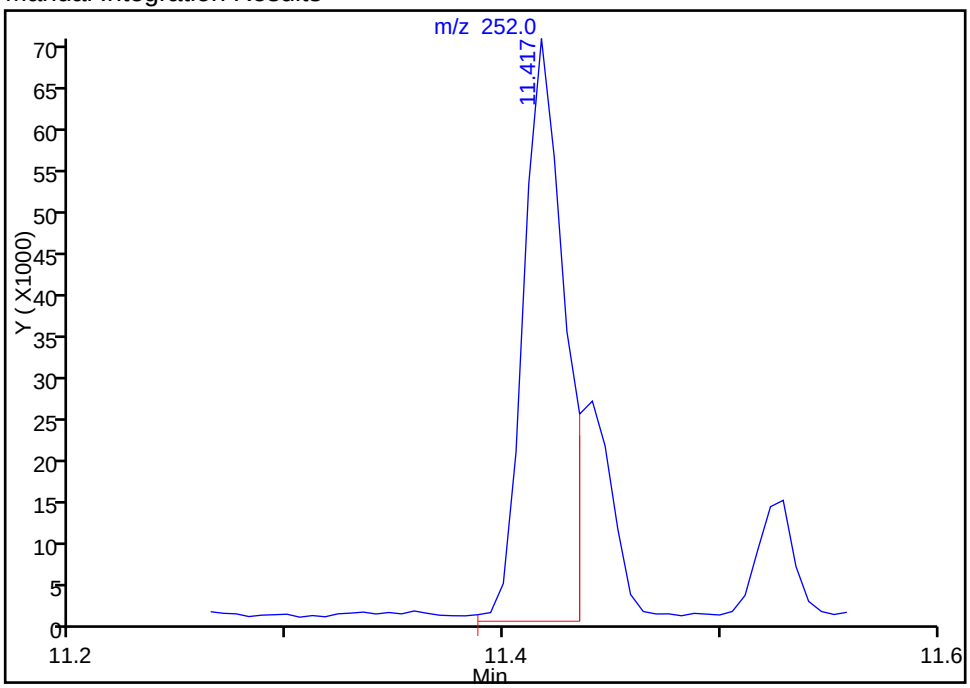
Processing Integration Results

RT: 11.42
Area: 114429
Amount: 0.481451
Amount Units: ug/ml



Manual Integration Results

RT: 11.42
Area: 94444
Amount: 0.397366
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 09:07:25
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

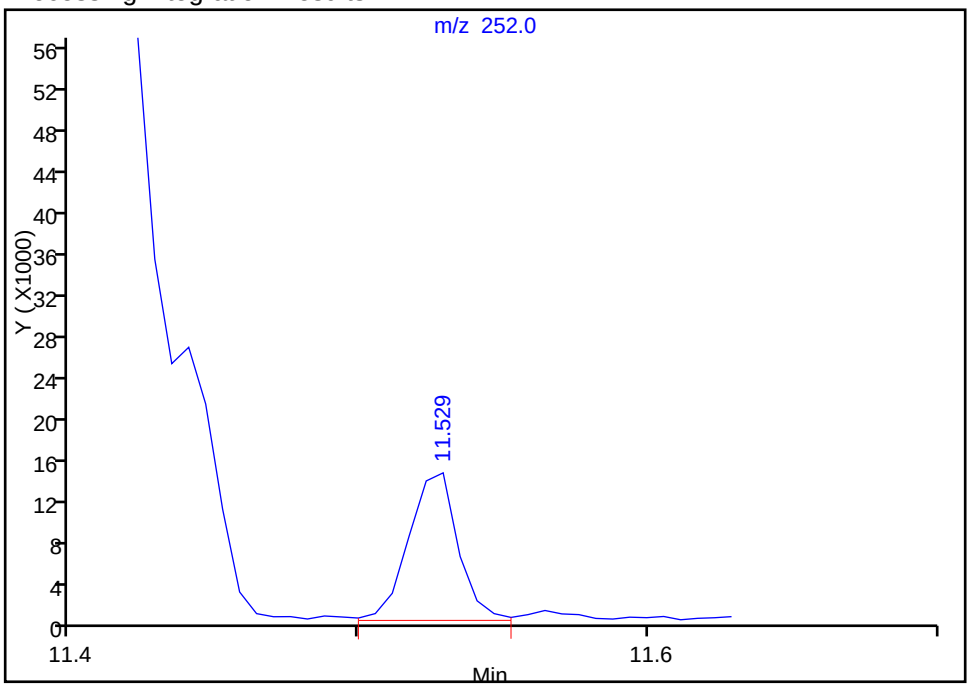
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0632.D				
Injection Date:	07-Feb-2015 00:20:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-18-A	Lab Sample ID:	680-109515-18		
Client ID:	CV0627B-GS24"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

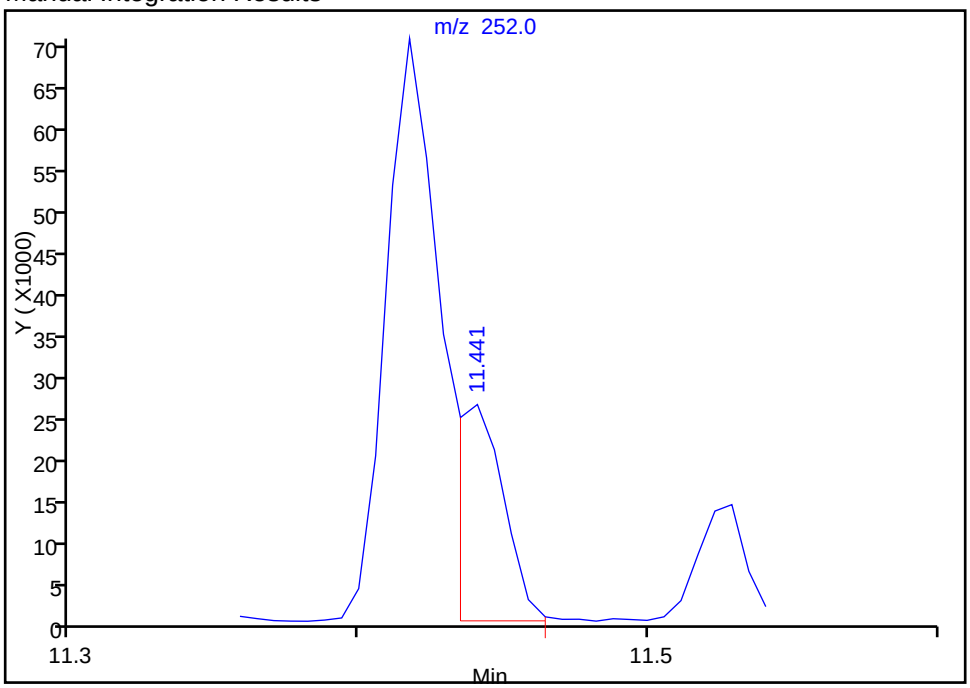
Processing Integration Results

RT: 11.53
Area: 16954
Amount: 0.073474
Amount Units: ug/ml



Manual Integration Results

RT: 11.44
Area: 29842
Amount: 0.129328
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 09:07:25
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: CV0627B-CS0-4" | Lab Sample ID: 680-109515-19

Matrix: Solid | Lab File ID: 1KB0709.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 09:15

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:00

Sample wt/vol: 30.30(g) | Date Analyzed: 02/07/2015 12:37

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

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

% Moisture: 28.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369988 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	93	U	93	46
208-96-8	Acenaphthylene	180		93	46
120-12-7	Anthracene	130		93	46
56-55-3	Benzo[a]anthracene	450		93	46
50-32-8	Benzo[a]pyrene	590		93	17
205-99-2	Benzo[b]fluoranthene	1400		93	46
191-24-2	Benzo[g,h,i]perylene	520		93	46
207-08-9	Benzo[k]fluoranthene	430		93	28
218-01-9	Chrysene	770		93	46
53-70-3	Dibenz(a,h)anthracene	180		93	46
206-44-0	Fluoranthene	540		93	46
86-73-7	Fluorene	93	U	93	46
193-39-5	Indeno[1,2,3-cd]pyrene	430		93	46
90-12-0	1-Methylnaphthalene	200		93	43
91-57-6	2-Methylnaphthalene	240		93	46
91-20-3	Naphthalene	220		93	46
85-01-8	Phenanthrene	430		93	33
129-00-0	Pyrene	490		93	46

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D
Lims ID: 680-109515-B-19-A Lab Sample ID: 680-109515-19
Client ID: CV0627B-CS0-4"
Sample Type: Client
Inject. Date: 07-Feb-2015 12:37:30 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 680-109515-B-19-A 1:10
Misc. Info.: 680-0016917-009
Operator ID: Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 09-Feb-2015 10:58:38 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: webbk Date: 09-Feb-2015 10:36:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.090	4.090	0.000	99	648257	2.00	
* 2 Acenaphthene-d10	164	5.876	5.882	-0.006	92	353384	2.00	
* 3 Phenanthrene-d10	188	7.492	7.492	0.000	99	543927	2.00	
* 4 Chrysene-d12	240	10.324	10.324	0.000	99	496005	2.00	
* 5 Perylene-d12	264	11.787	11.793	-0.006	98	392038	2.00	
7 Naphthalene	128	4.108	4.114	-0.006	99	173754	0.4680	
9 2-Methylnaphthalene	142	4.789	4.789	0.000	86	121752	0.5229	
8 1-Methylnaphthalene	142	4.889	4.889	0.000	93	89223	0.4234	
11 Acenaphthylene	152	5.724	5.730	-0.006	97	135033	0.3963	
15 Phenanthrene	178	7.516	7.522	-0.006	96	316901	0.9350	
16 Anthracene	178	7.574	7.575	-0.001	98	86503	0.2763	
17 Fluoranthene	202	8.820	8.820	0.000	97	412885	1.17	
18 Pyrene	202	9.061	9.061	0.000	96	424197	1.06	
19 Benzo[a]anthracene	228	10.312	10.313	-0.001	98	313857	0.9811	
20 Chrysene	228	10.348	10.348	0.000	97	511877	1.67	
21 Benzo[b]fluoranthene	252	11.376	11.382	-0.006	98	809144	2.96	
22 Benzo[k]fluoranthene	252	11.399	11.411	-0.012	97	248074	0.9360	M
23 Benzo[a]pyrene	252	11.723	11.734	-0.011	97	301179	1.28	
24 Indeno[1,2,3-cd]pyrene	276	13.186	13.192	-0.006	98	241097	0.9385	
25 Dibenz(a,h)anthracene	278	13.203	13.221	-0.018	95	70448	0.3977	
26 Benzo[g,h,i]perylene	276	13.597	13.609	-0.012	97	215605	1.13	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

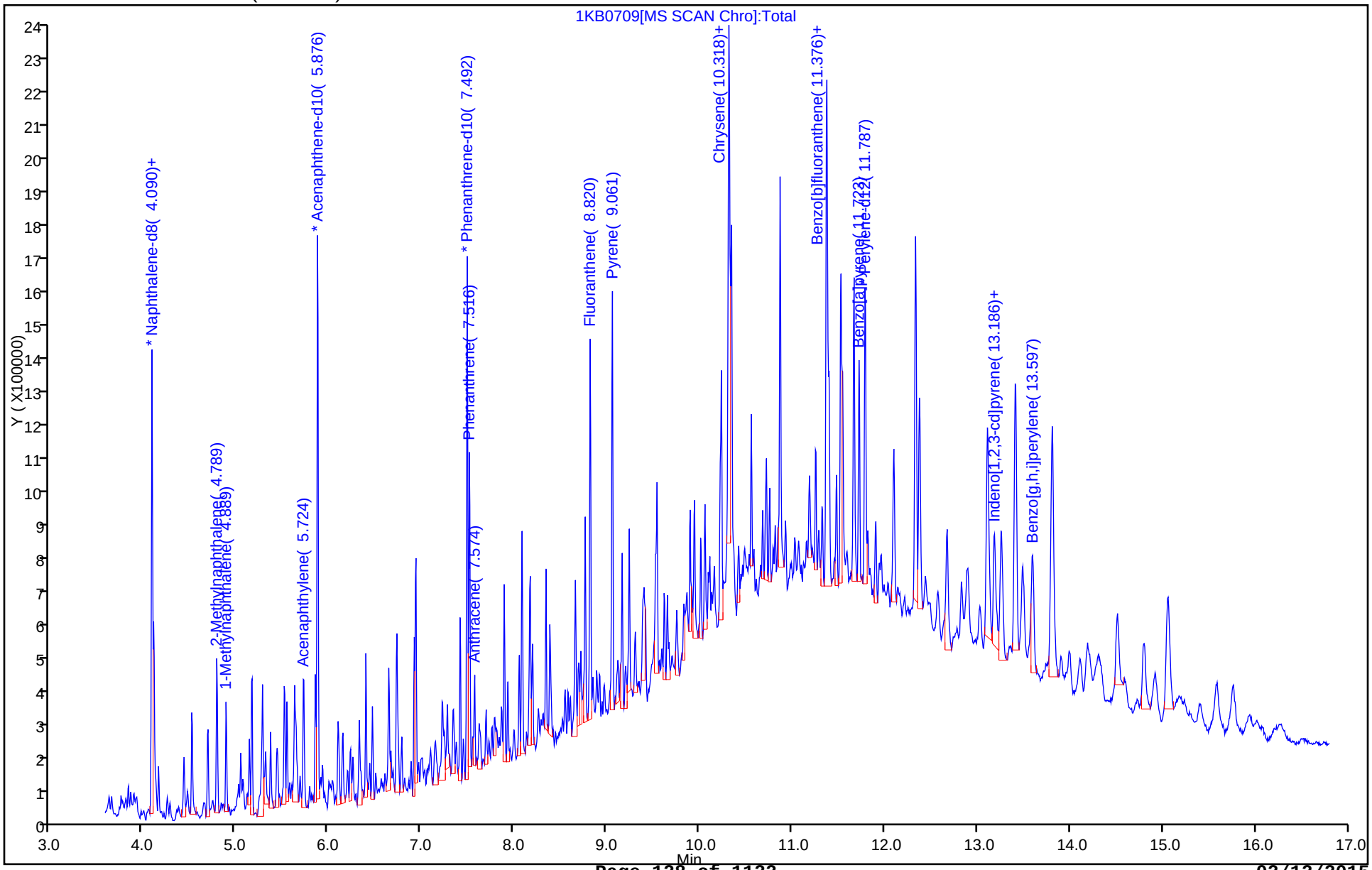
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Feb-2015 10:58:46 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK	Operator ID:	
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19	Worklist Smp#:	9
Client ID:	CV0627B-CS0-4"				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	8
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

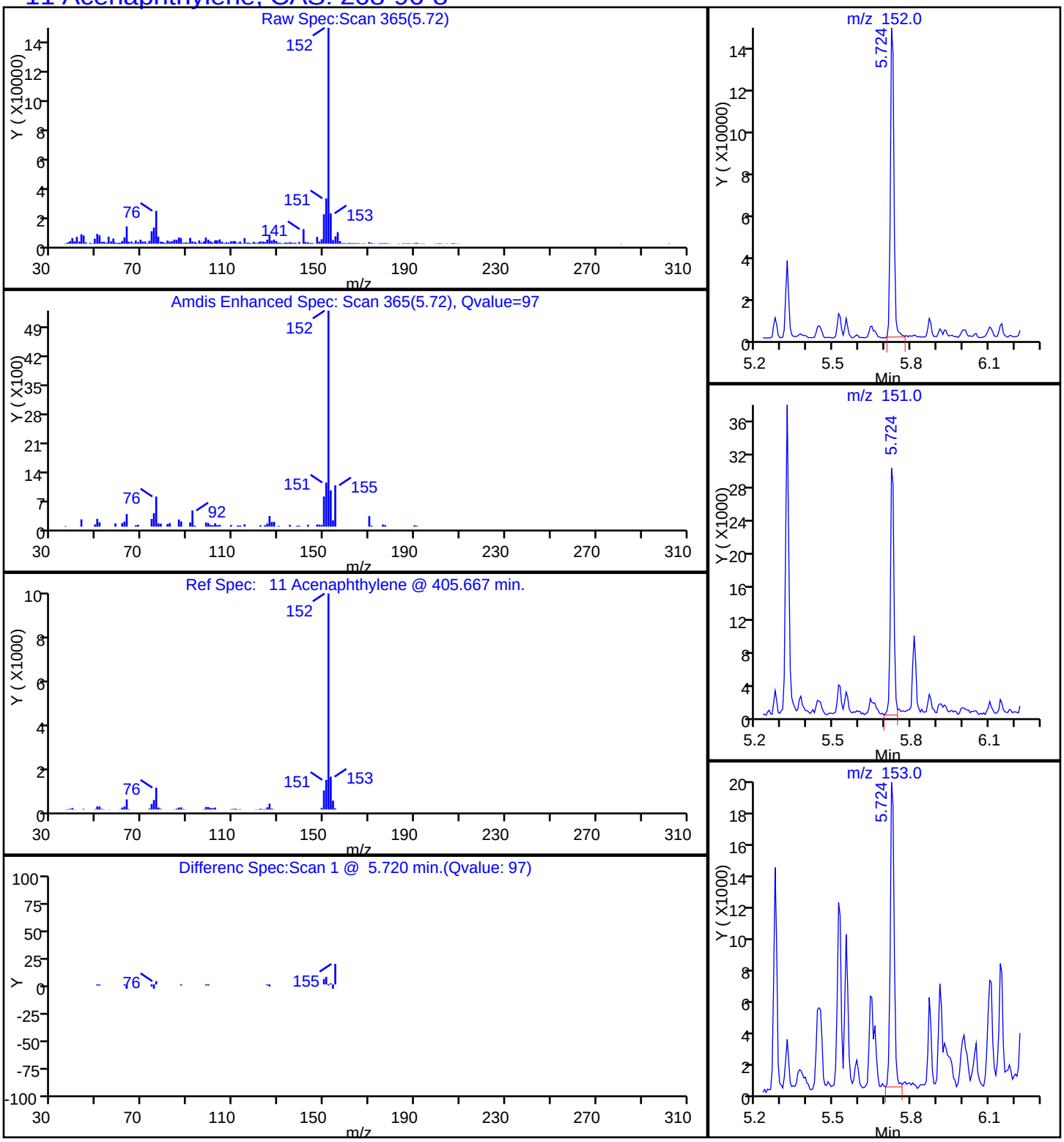


Report Date: 09-Feb-2015 10:58:46 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

11 Acenaphthylene, CAS: 208-96-8

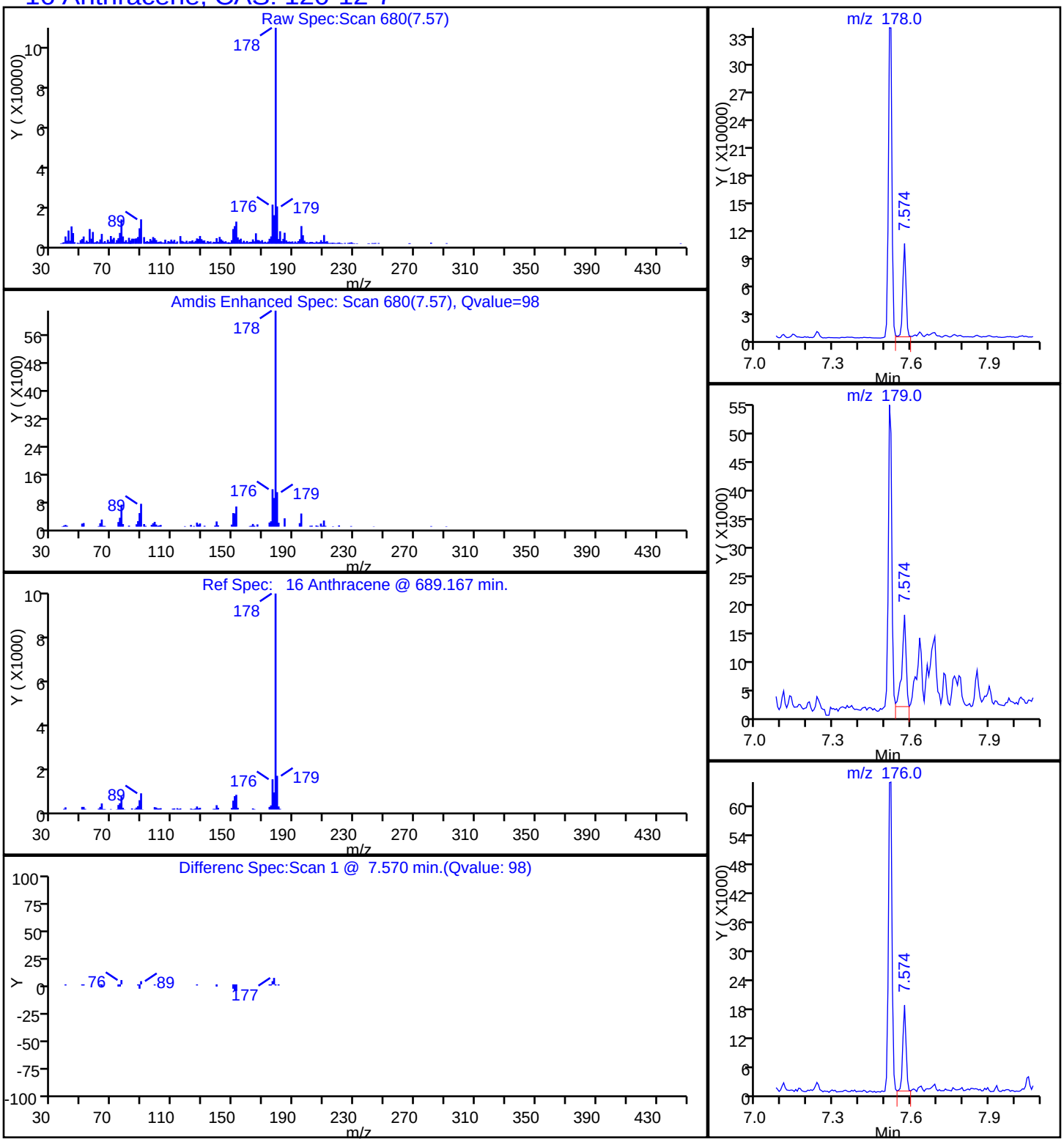


Report Date: 09-Feb-2015 10:58:46 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

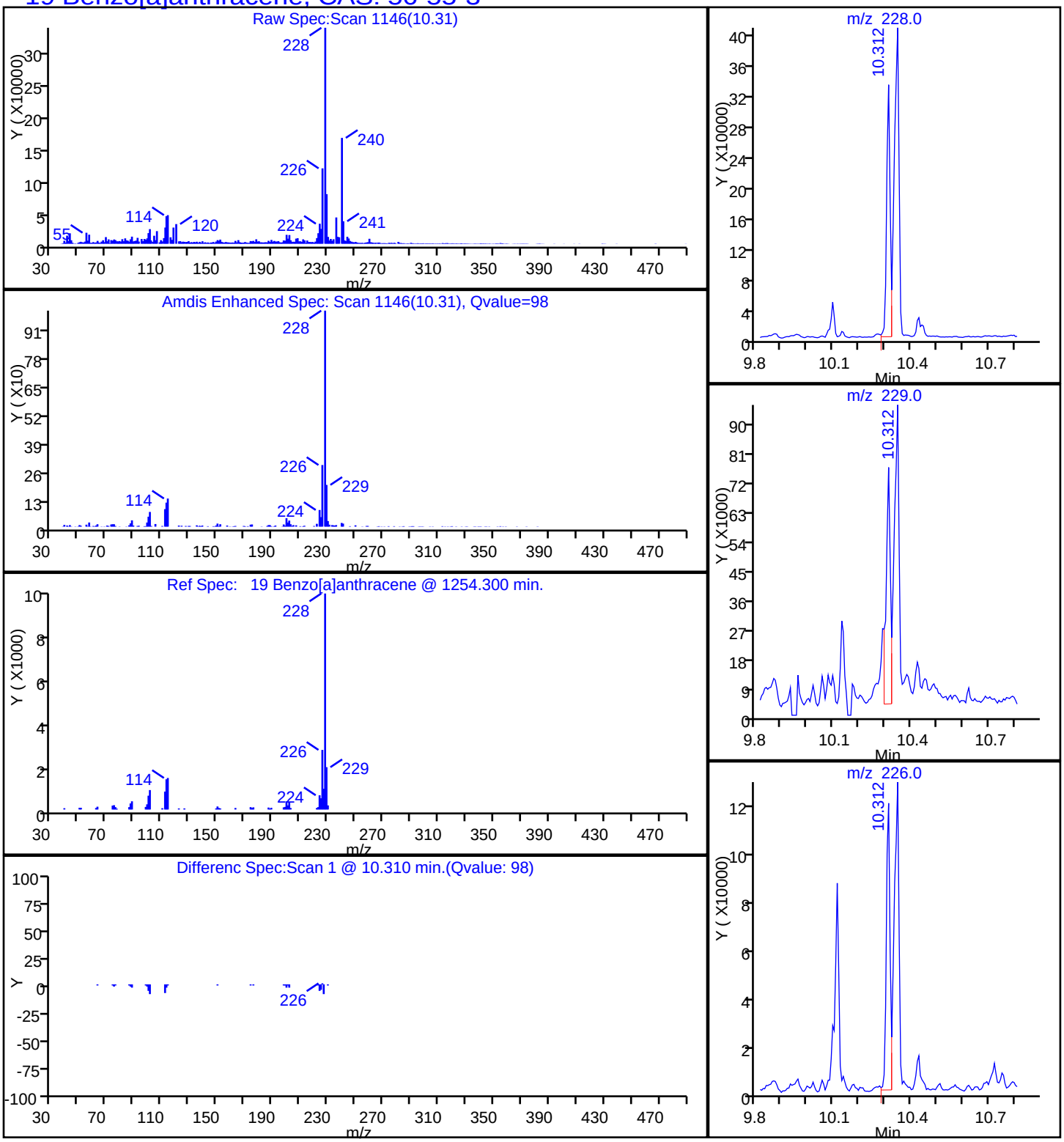


Report Date: 09-Feb-2015 10:58:46 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

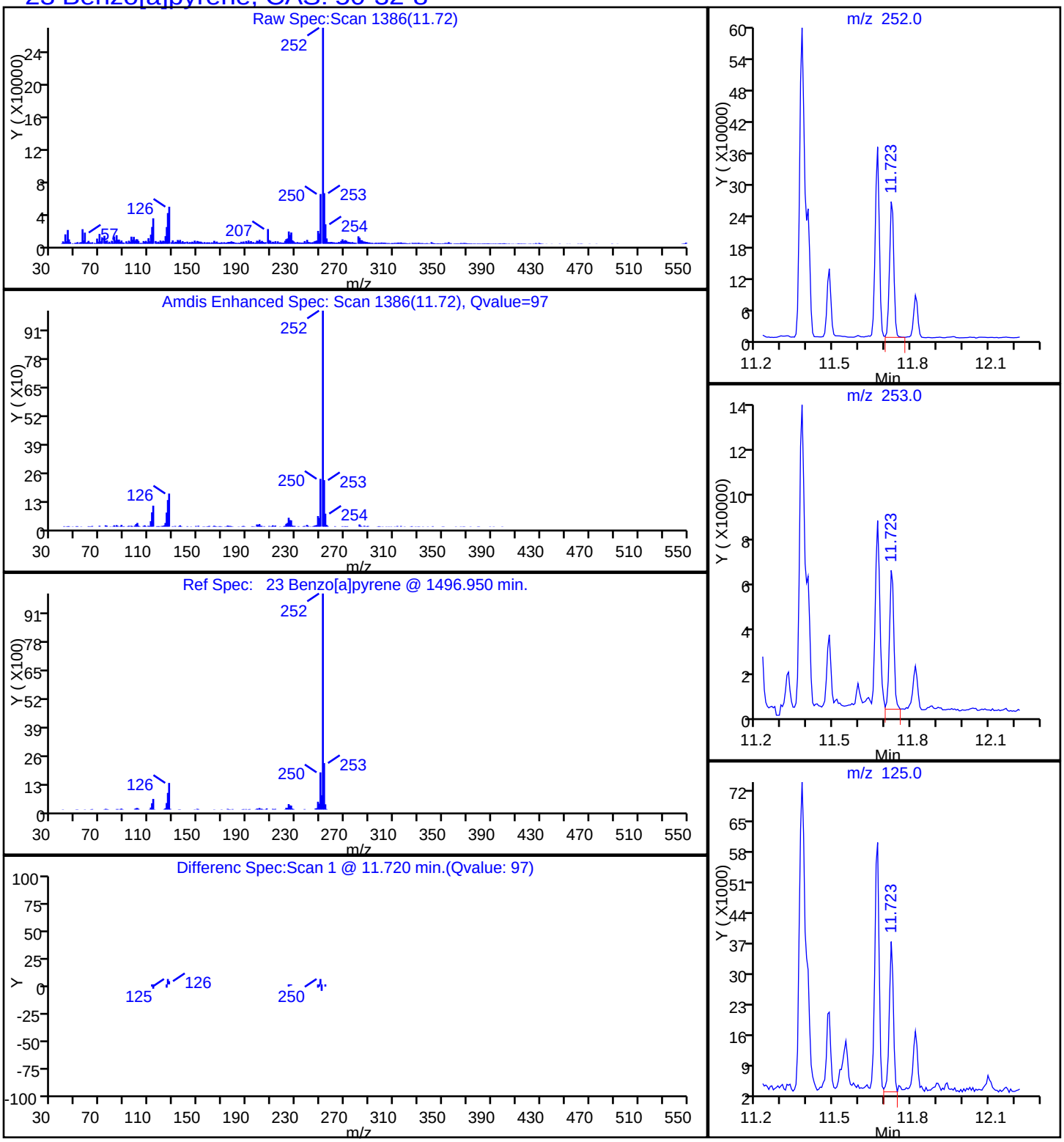


Report Date: 09-Feb-2015 10:58:47 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

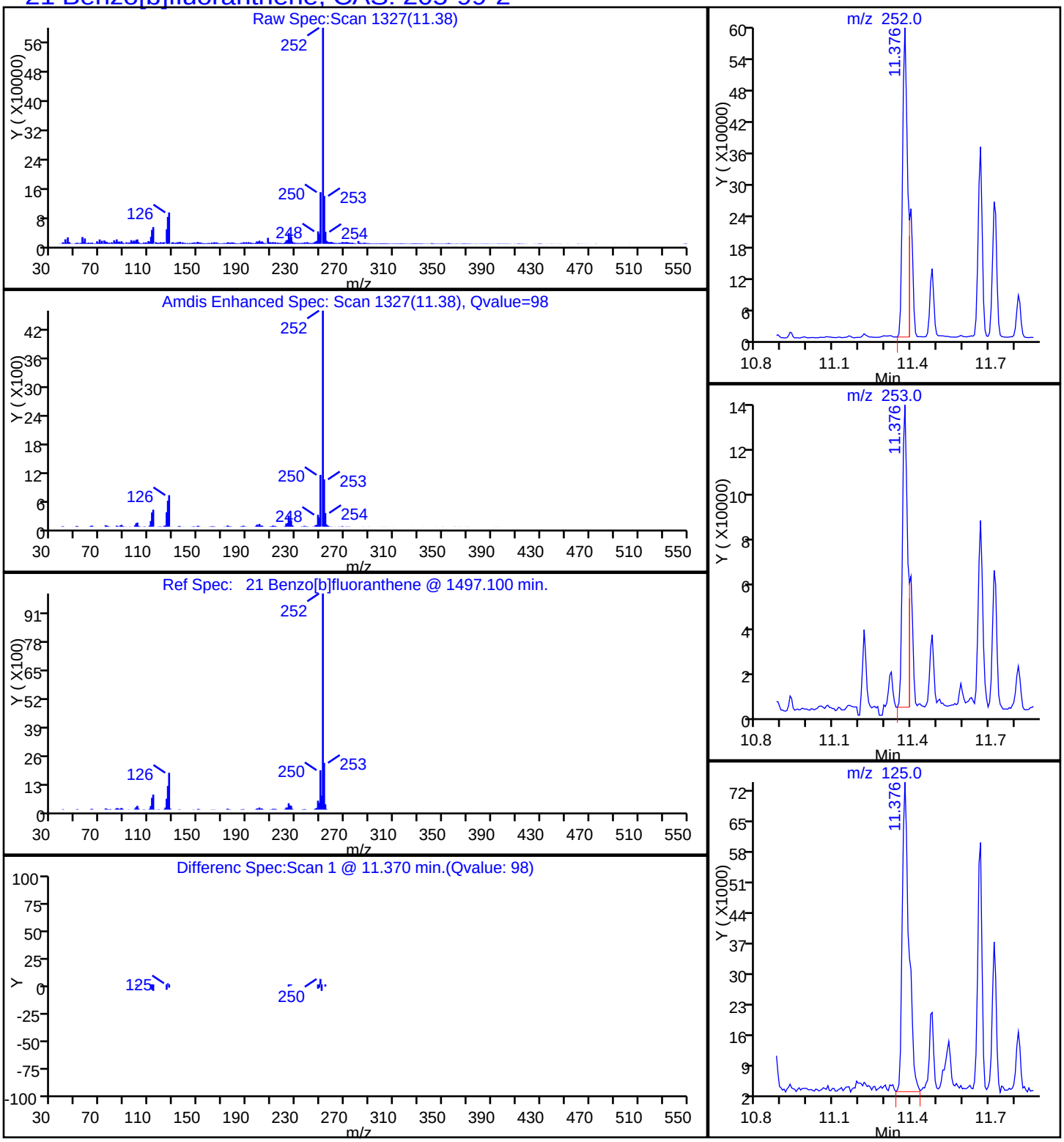


Report Date: 09-Feb-2015 10:58:46 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 09-Feb-2015 10:58:47 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
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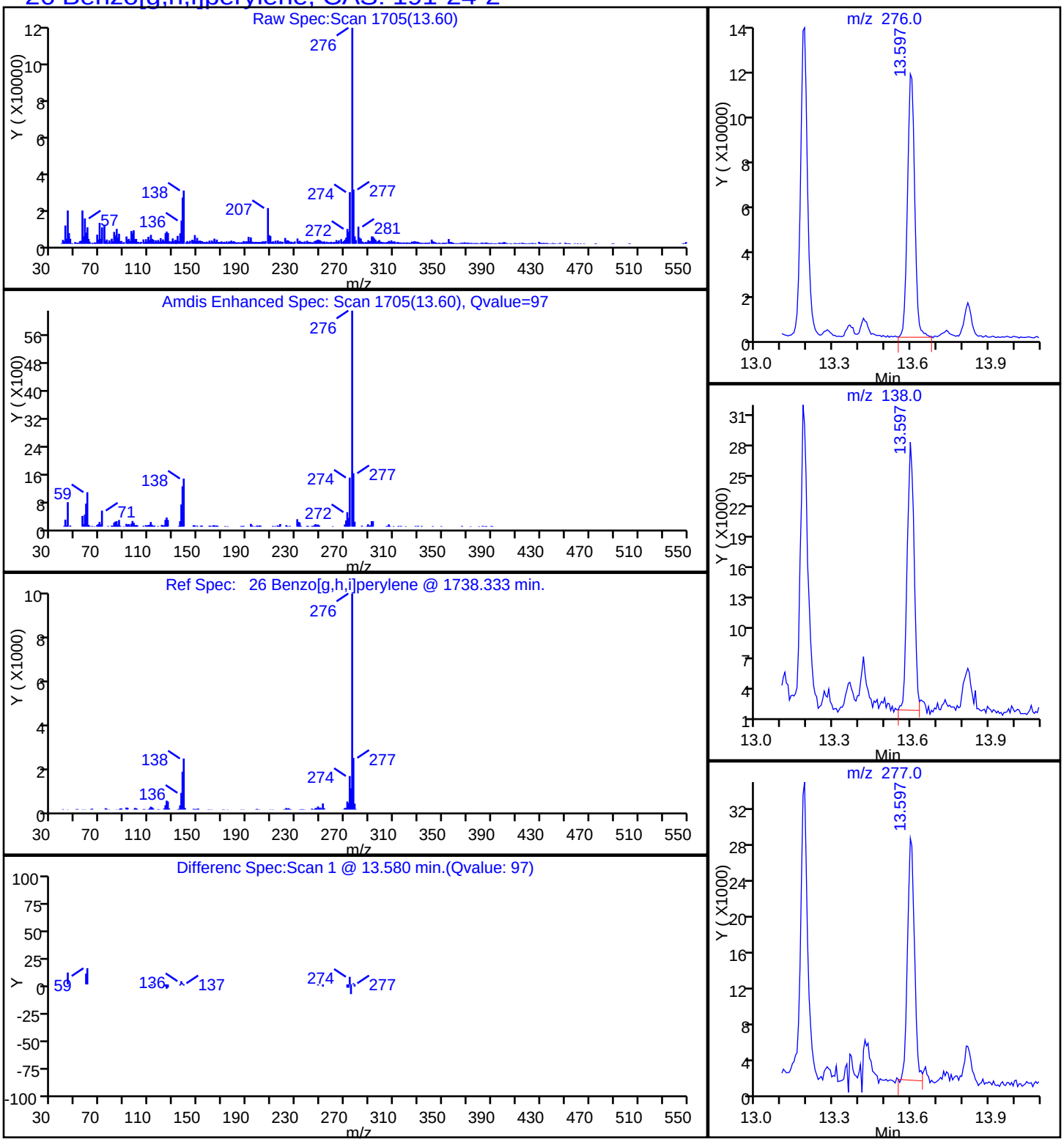
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 09-Feb-2015 10:58:47 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
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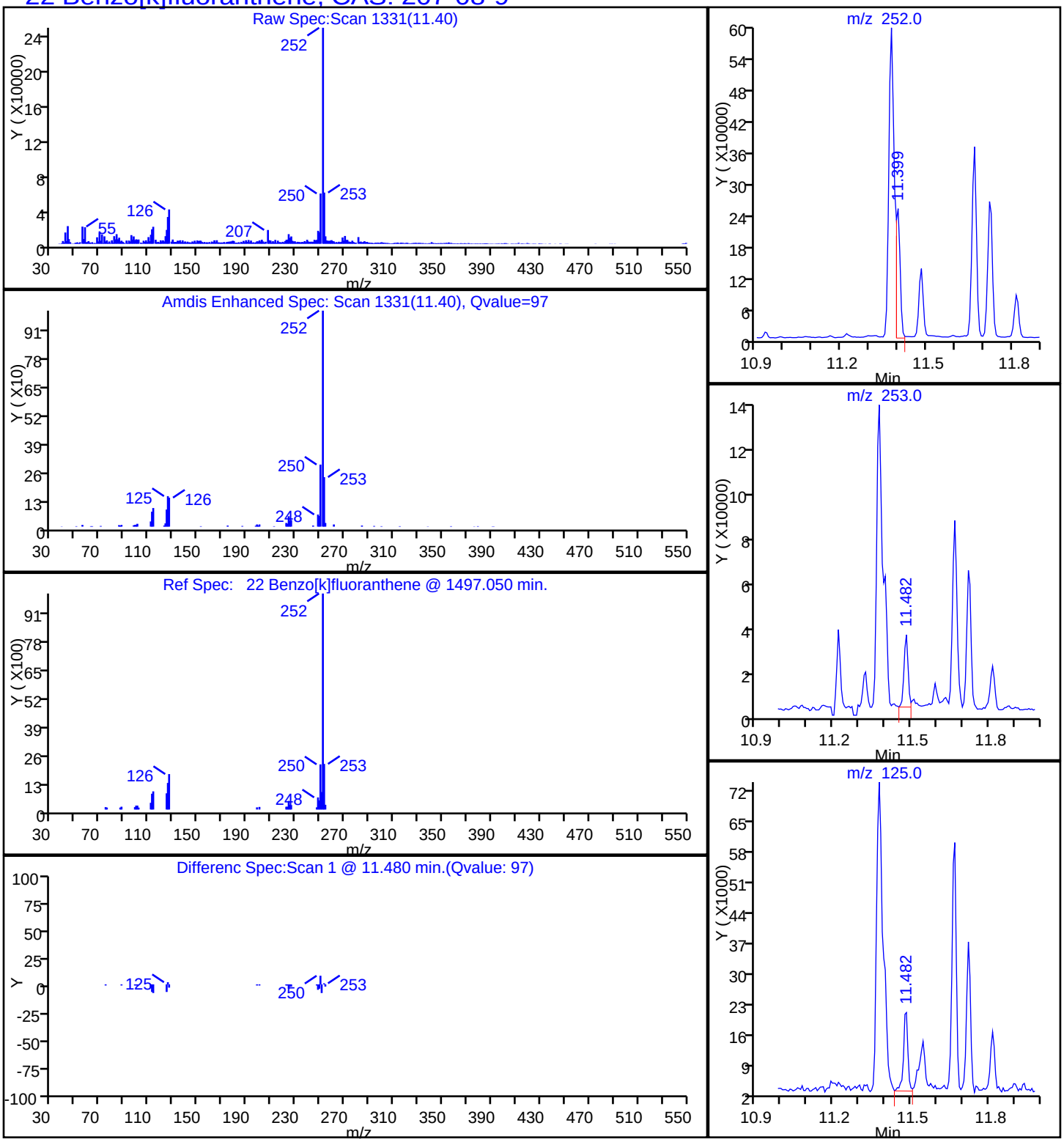
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

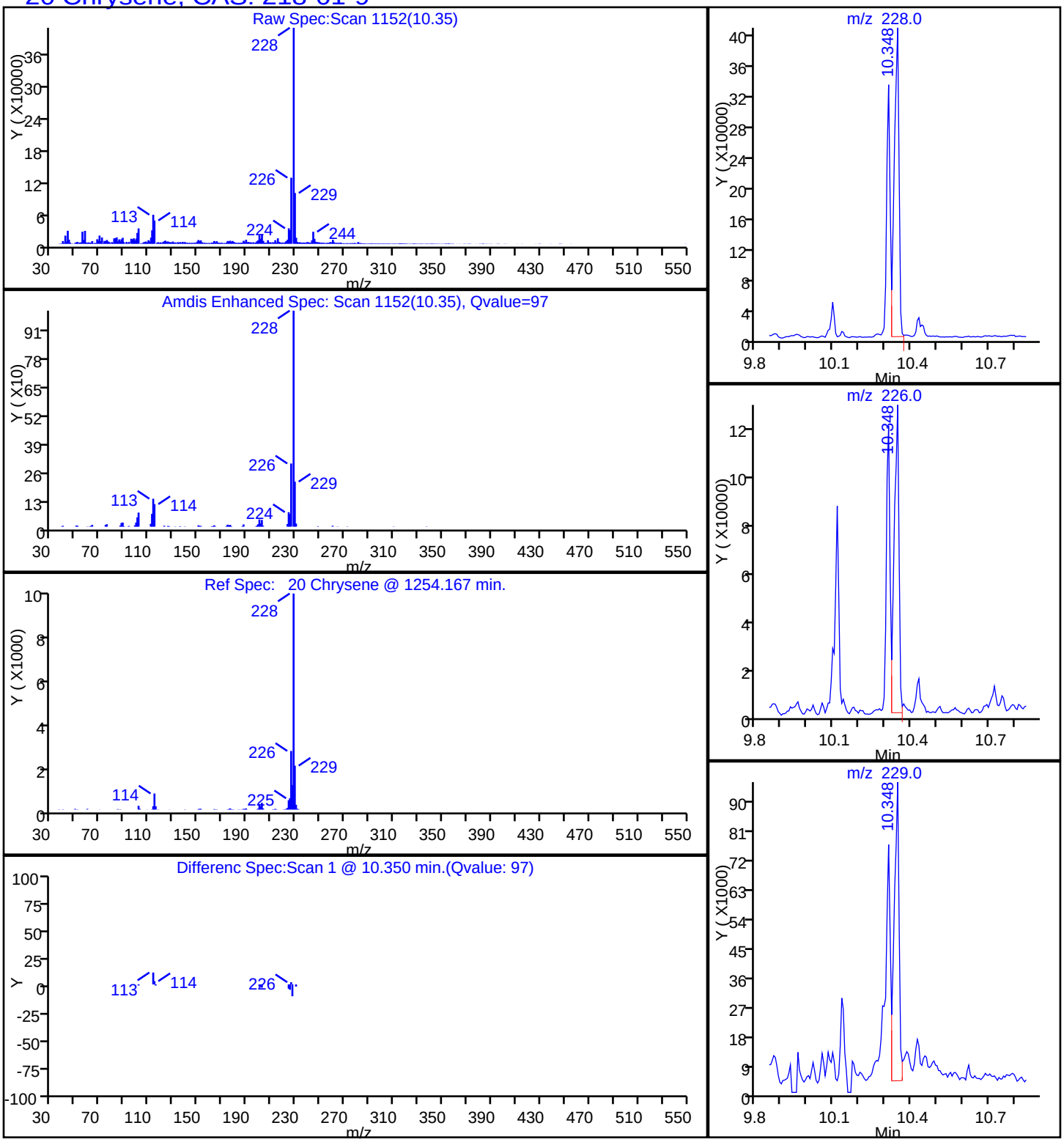


Report Date: 09-Feb-2015 10:58:46 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

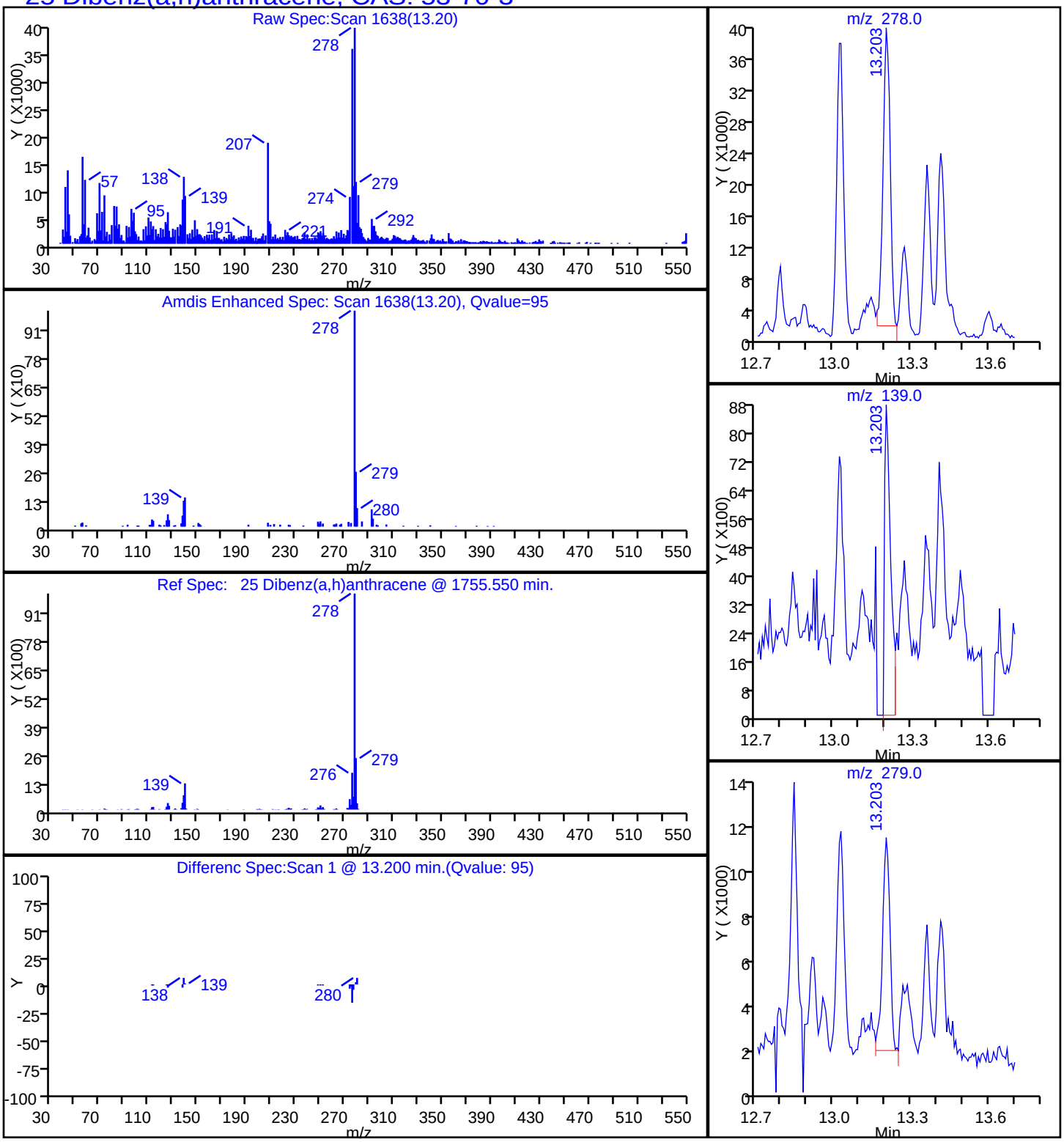


Report Date: 09-Feb-2015 10:58:47 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

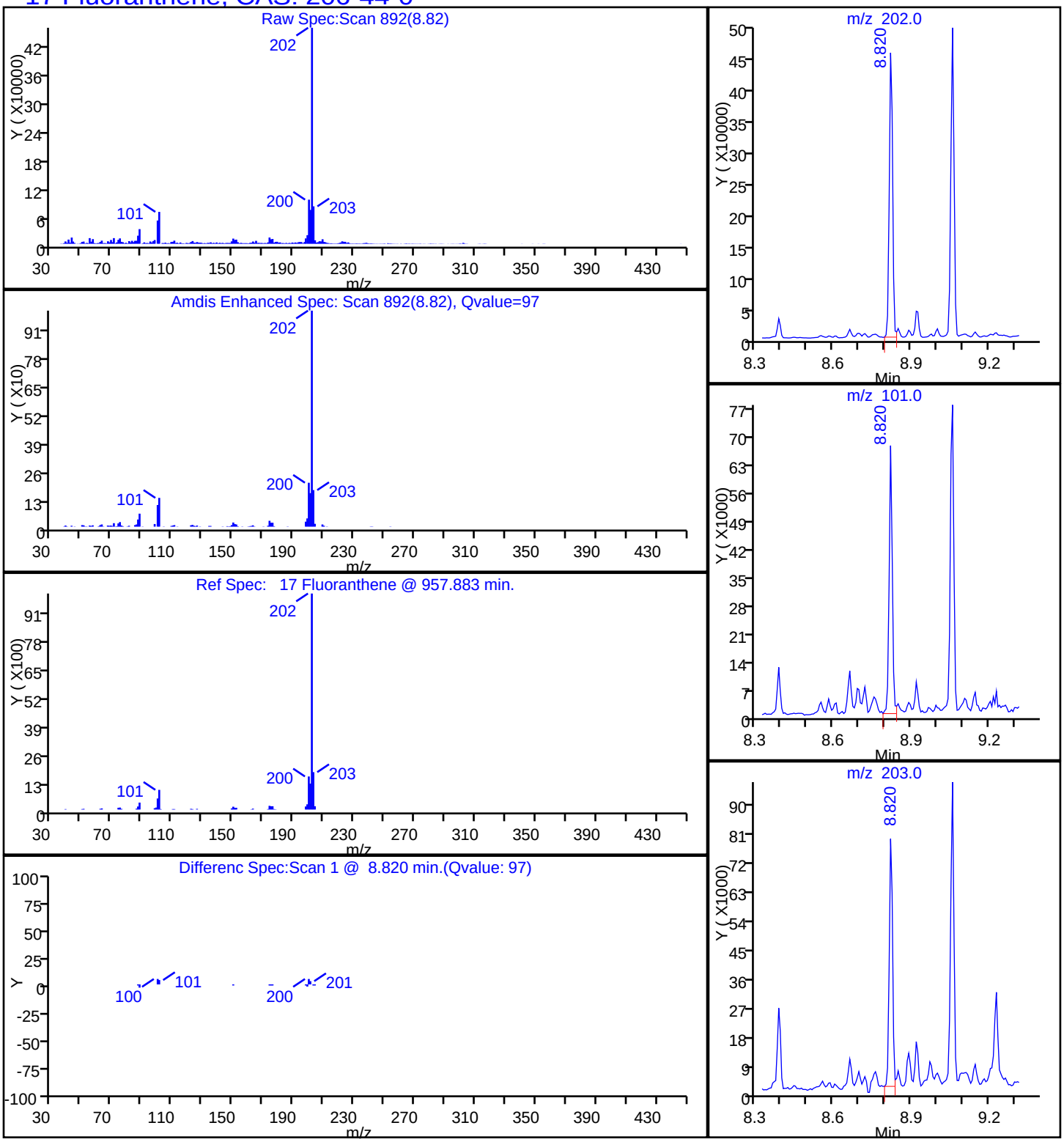


Report Date: 09-Feb-2015 10:58:46 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

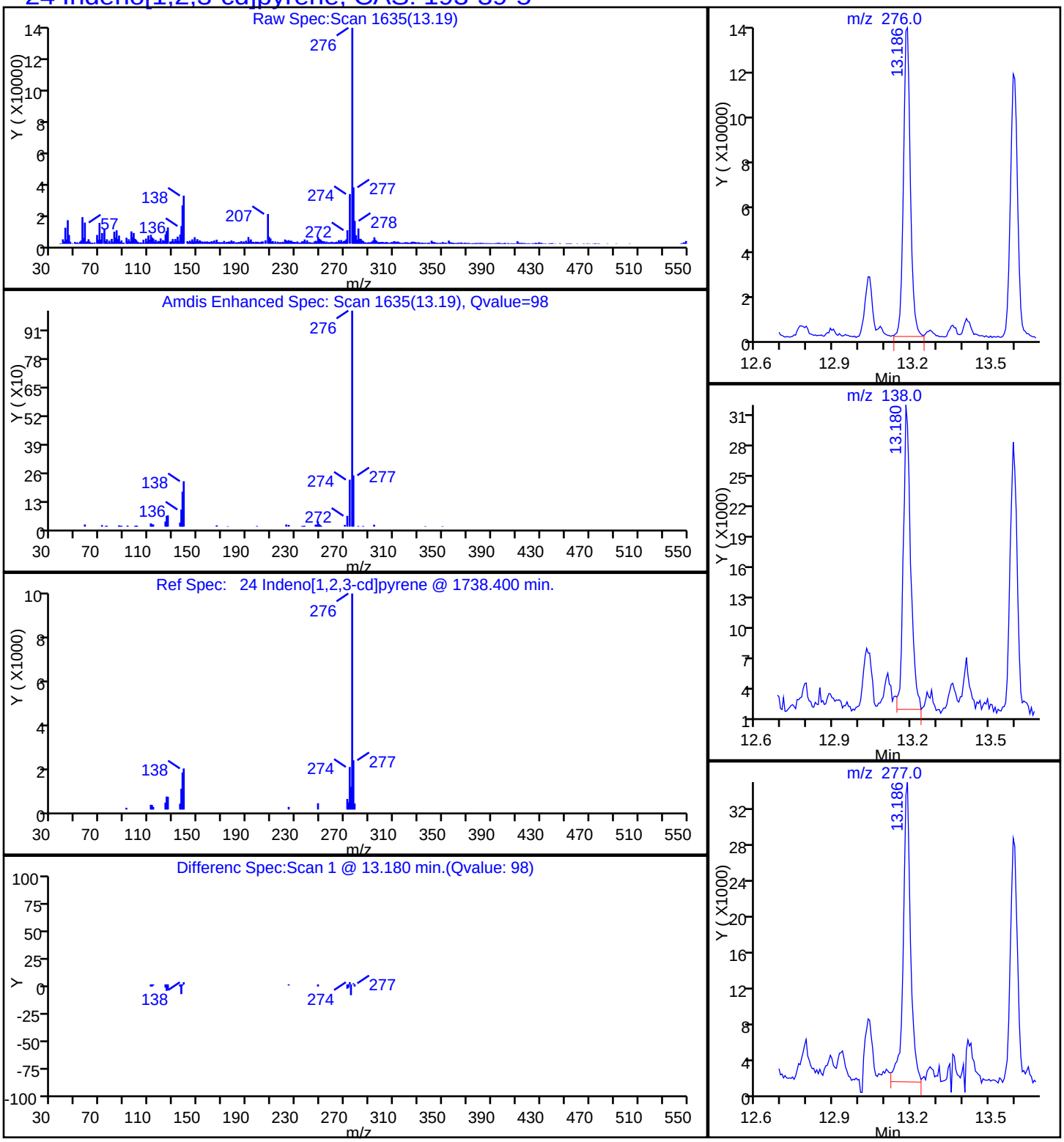


Report Date: 09-Feb-2015 10:58:47 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

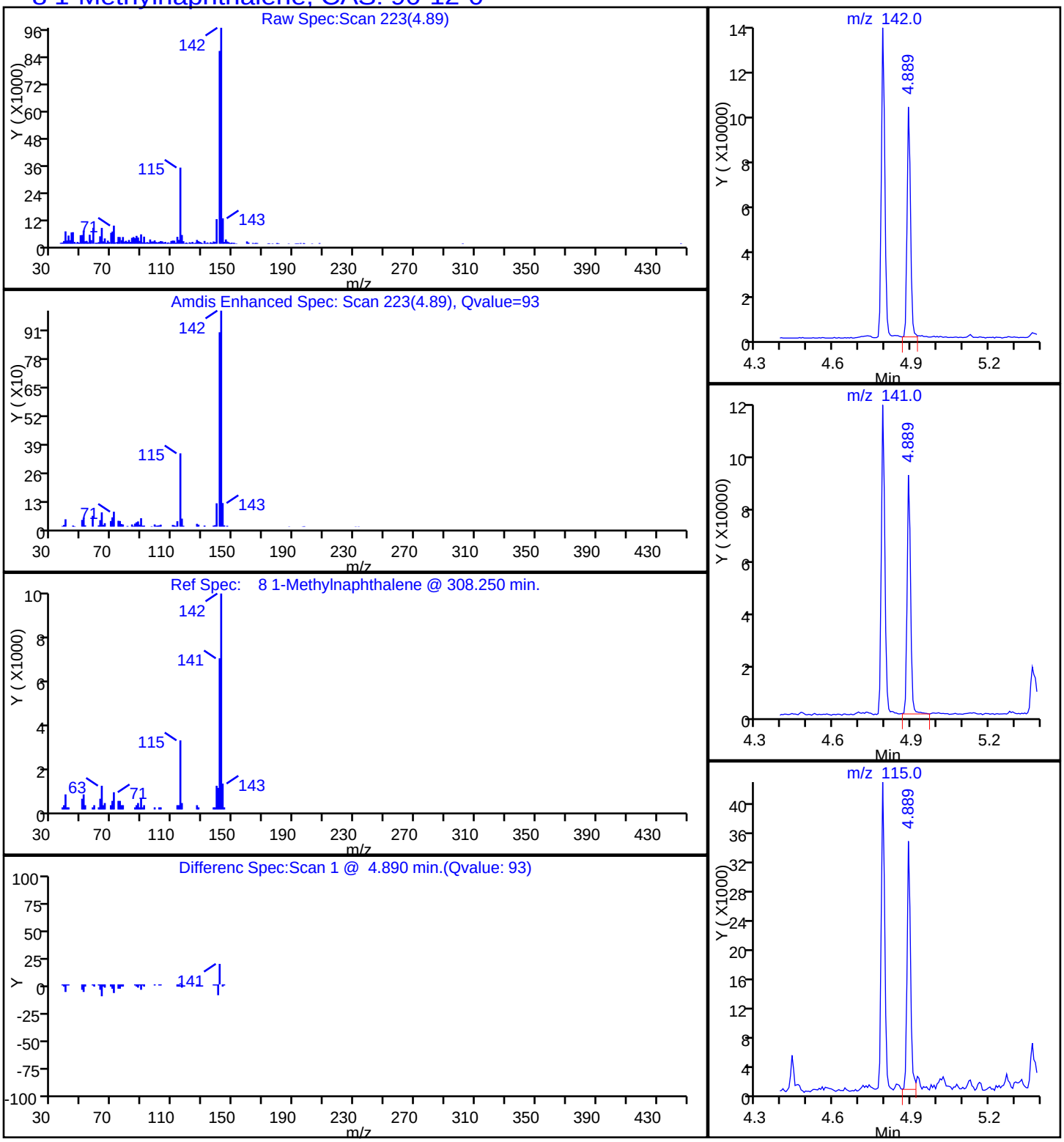


Report Date: 09-Feb-2015 10:58:46 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

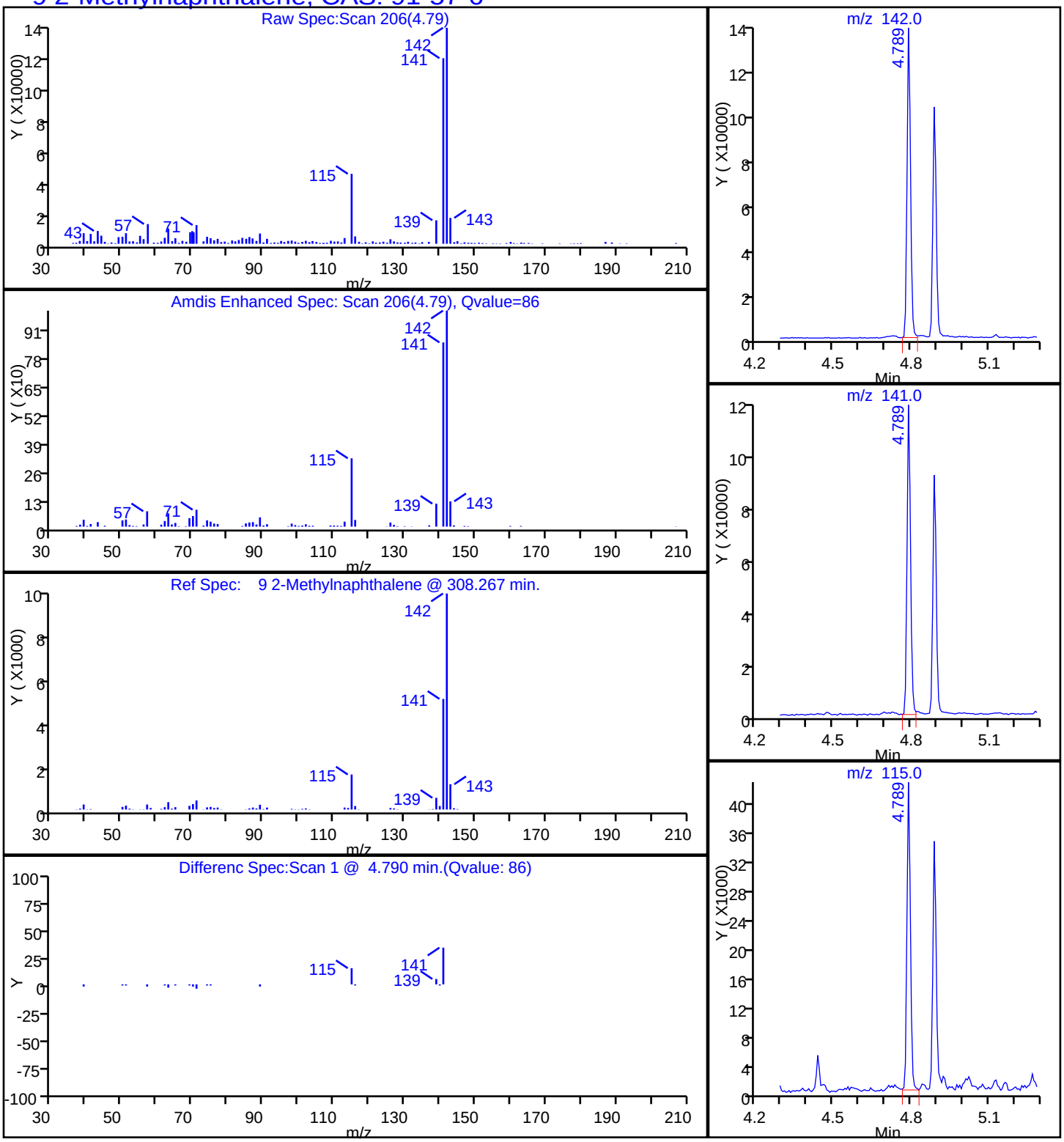


Report Date: 09-Feb-2015 10:58:46 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

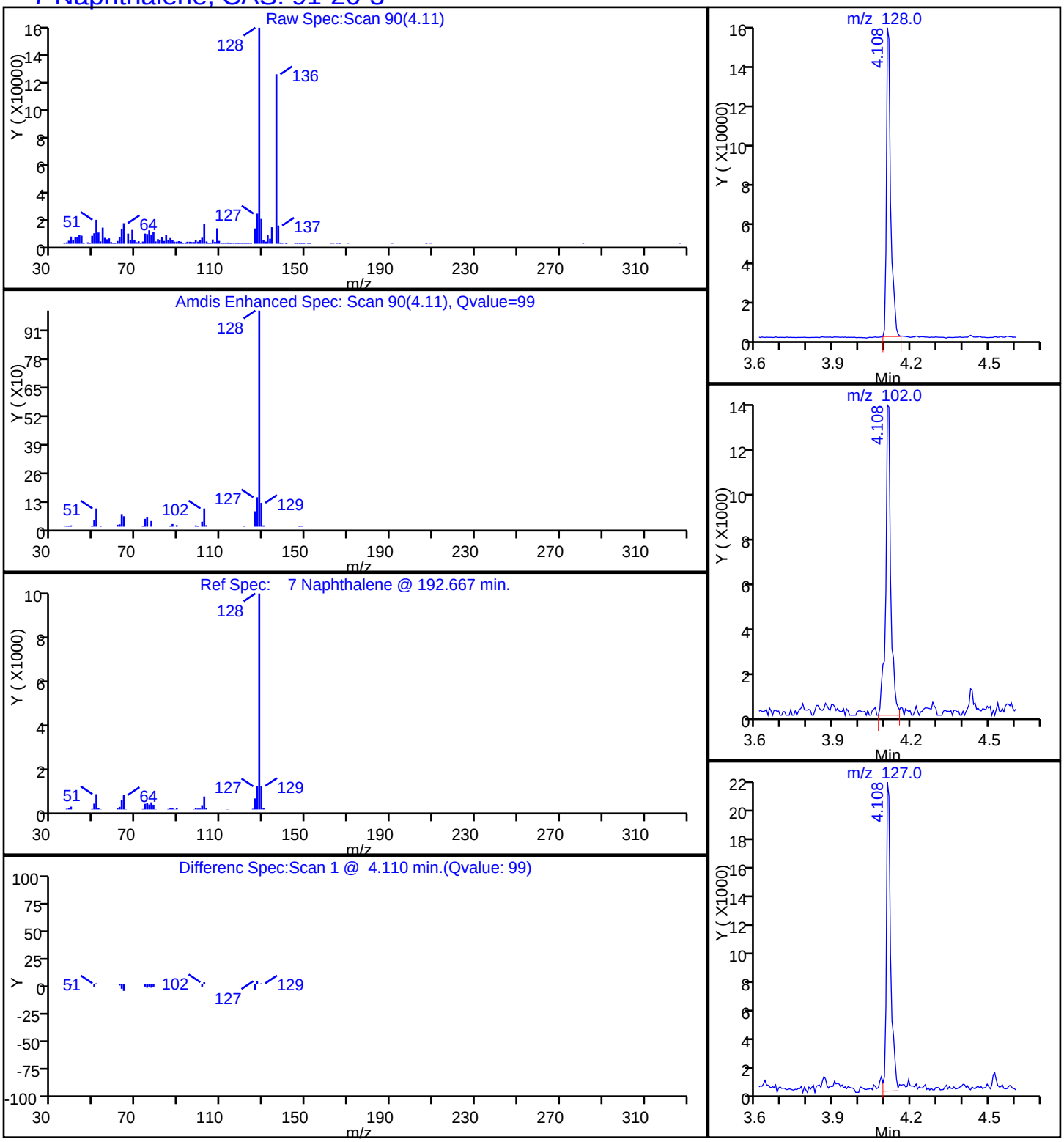


Report Date: 09-Feb-2015 10:58:46 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

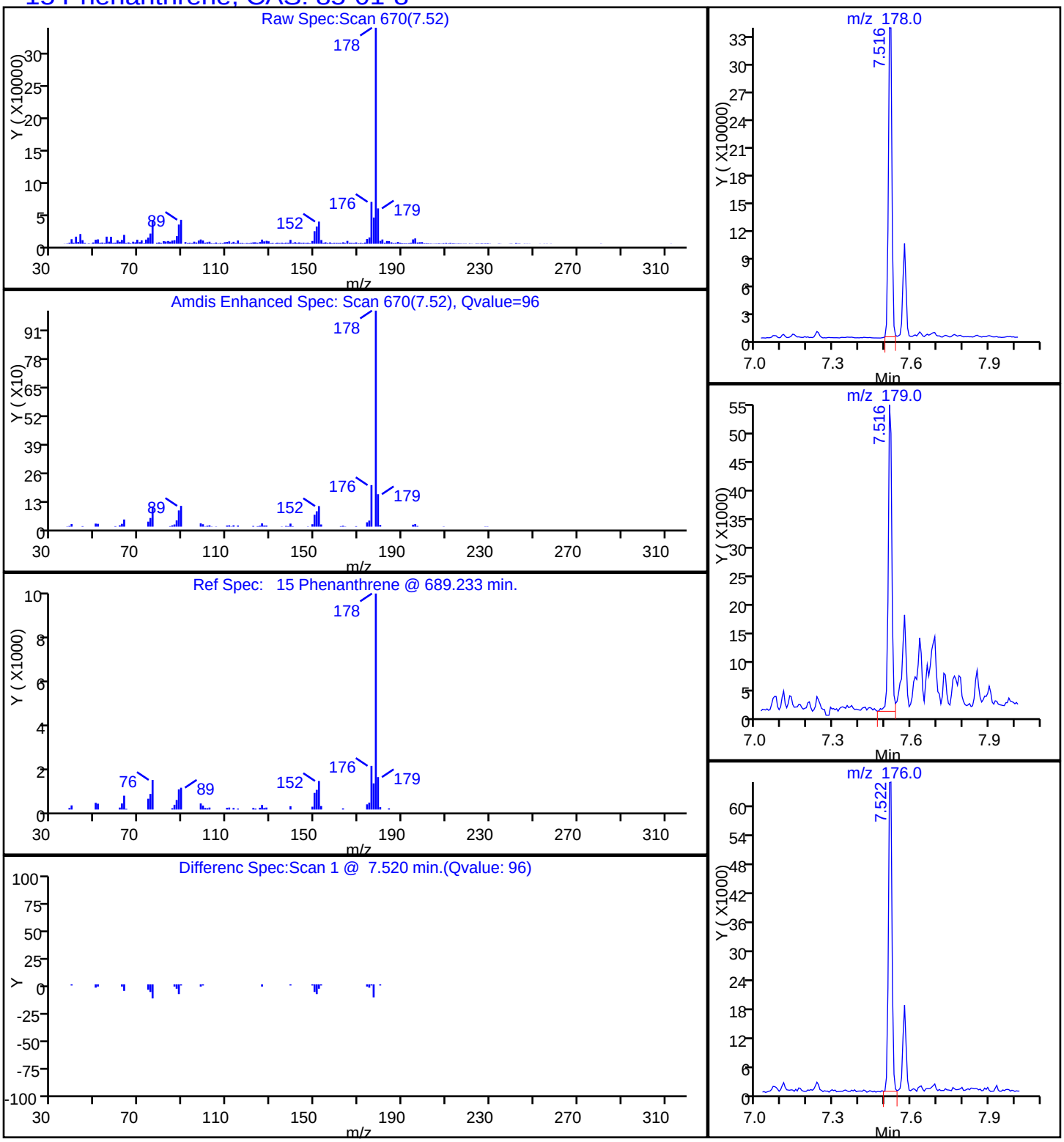


Report Date: 09-Feb-2015 10:58:46 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

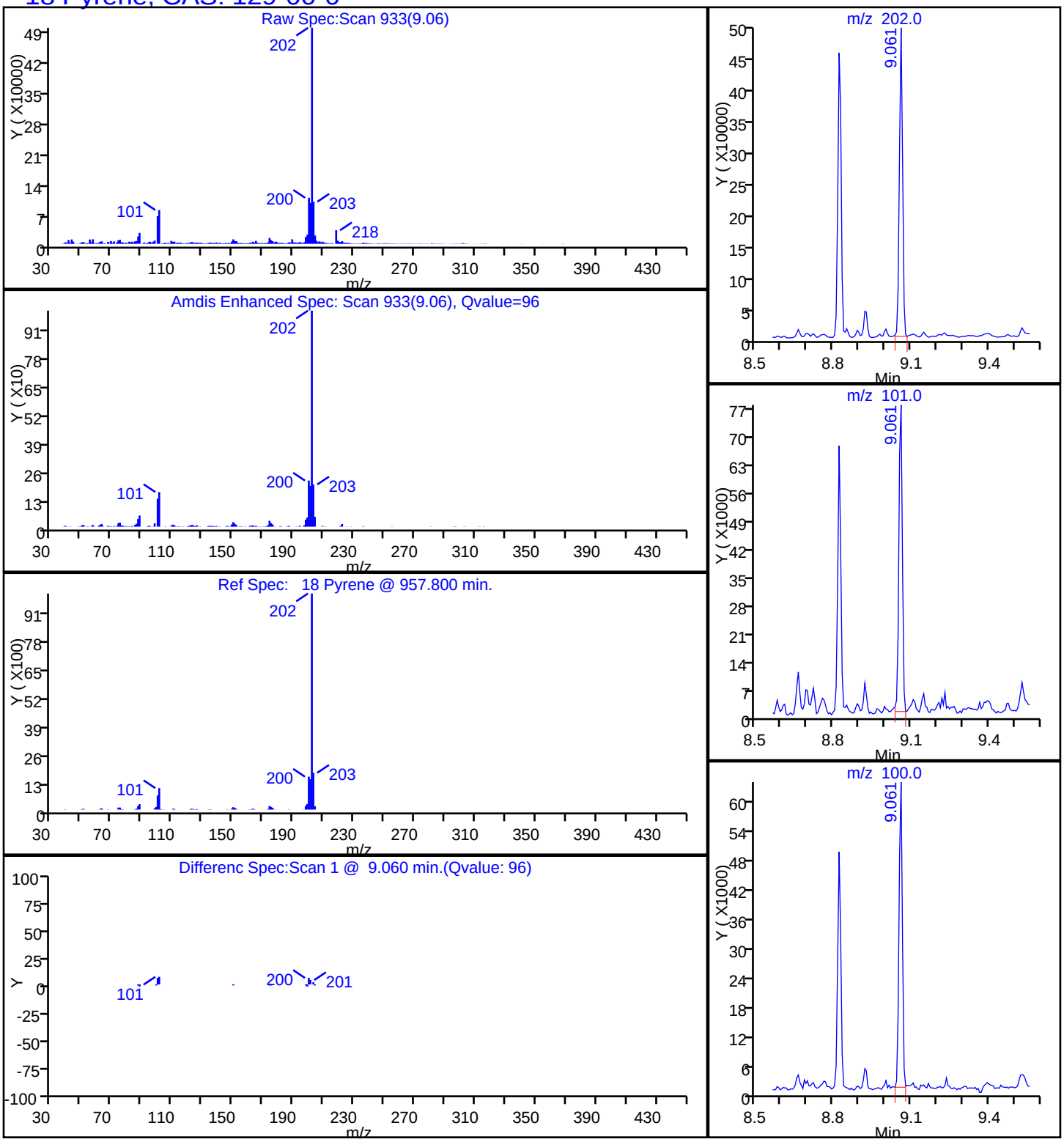


Report Date: 09-Feb-2015 10:58:46 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

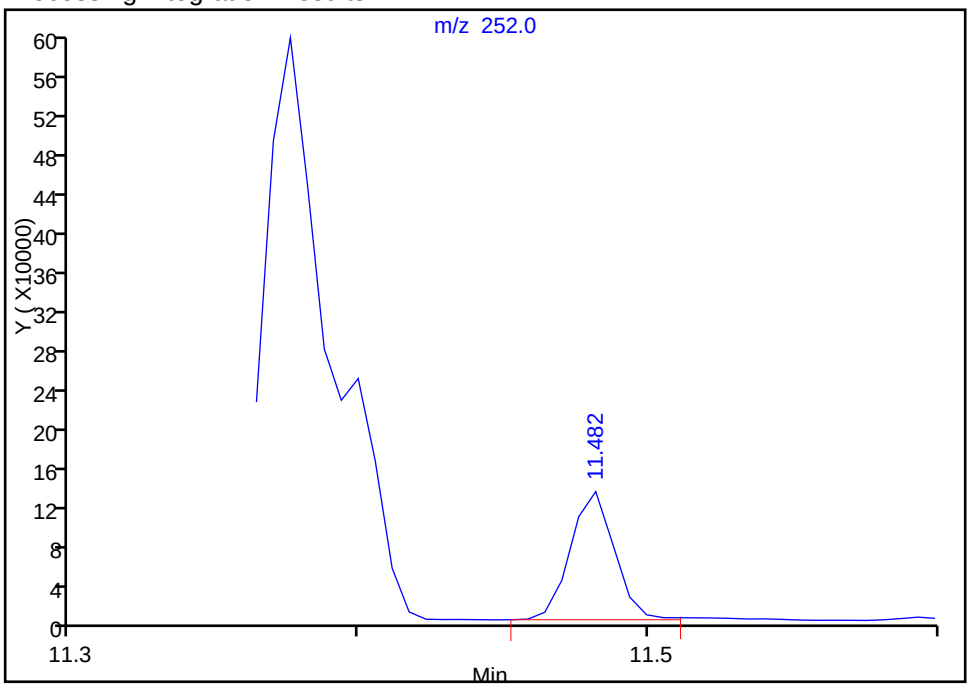
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0709.D				
Injection Date:	07-Feb-2015 12:37:30	Instrument ID:	CMSK		
Lims ID:	680-109515-B-19-A	Lab Sample ID:	680-109515-19		
Client ID:	CV0627B-CS0-4"				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

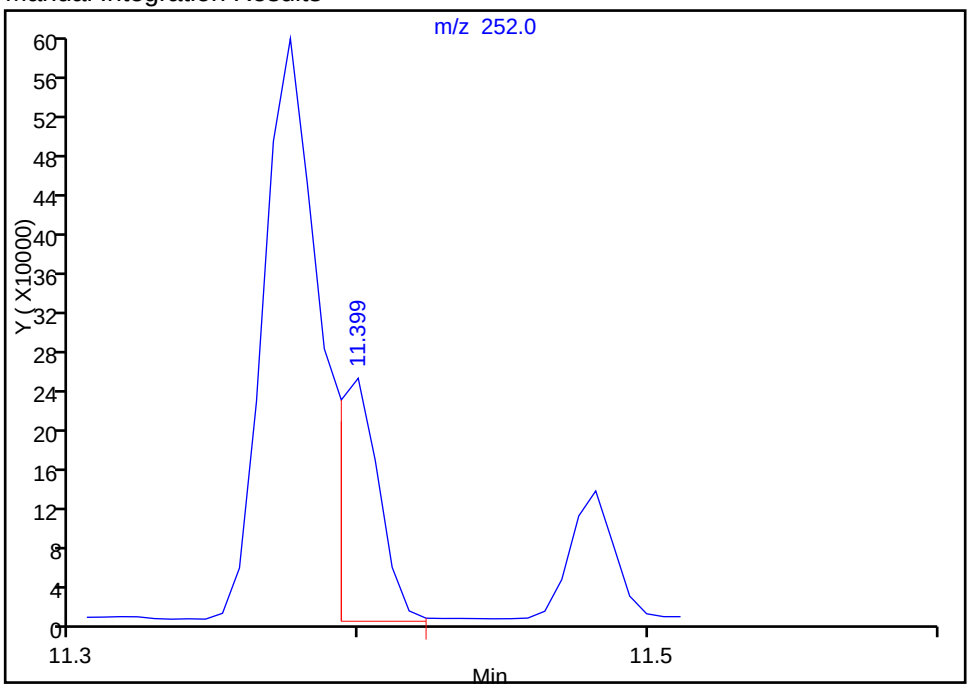
Processing Integration Results

RT: 11.48
Area: 137993
Amount: 0.520661
Amount Units: ug/ml



Manual Integration Results

RT: 11.40
Area: 248074
Amount: 0.936007
Amount Units: ug/ml



Reviewer: webbk, 09-Feb-2015 10:36:59
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320C-CS6" | Lab Sample ID: 680-109515-20

Matrix: Solid | Lab File ID: 2YB0626.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 10:05

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:00

Sample wt/vol: 29.95(g) | Date Analyzed: 02/07/2015 01:26

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

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

% Moisture: 16.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369958 | 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	9.3		8.0	4.0
120-12-7	Anthracene	10		8.0	4.0
56-55-3	Benzo[a]anthracene	50		8.0	4.0
50-32-8	Benzo[a]pyrene	65		8.0	1.4
205-99-2	Benzo[b]fluoranthene	130		8.0	4.0
191-24-2	Benzo[g,h,i]perylene	46		8.0	4.0
207-08-9	Benzo[k]fluoranthene	38		8.0	2.4
218-01-9	Chrysene	93		8.0	4.0
53-70-3	Dibenz(a,h)anthracene	23		8.0	4.0
206-44-0	Fluoranthene	63		8.0	4.0
86-73-7	Fluorene	8.0	U	8.0	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	33		8.0	4.0
90-12-0	1-Methylnaphthalene	26		8.0	3.7
91-57-6	2-Methylnaphthalene	28		8.0	4.0
91-20-3	Naphthalene	28		8.0	4.0
85-01-8	Phenanthrene	60		8.0	2.9
129-00-0	Pyrene	81		8.0	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	90		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D
Lims ID: 680-109515-A-20-A Lab Sample ID: 680-109515-20
Client ID: HP0320C-CS6"
Sample Type: Client
Inject. Date: 07-Feb-2015 01:26:30 ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 109515-A-20-A
Misc. Info.: 680-0016908-026
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 08:52:58 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 07-Feb-2015 08:50:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.109	3.109	0.000	99	498403	2.00	
* 2 Acenaphthene-d10	164	4.853	4.842	0.011	91	283152	2.00	
* 3 Phenanthrene-d10	188	6.457	6.436	0.021	98	467866	2.00	
* 4 Chrysene-d12	240	9.356	9.324	0.032	98	309076	2.00	
* 5 Perylene-d12	264	10.720	10.677	0.043	98	222364	2.00	
$ 6 o-Terphenyl	230	6.928	6.912	0.016	86	165540	1.80	
7 Naphthalene	128	3.130	3.125	0.005	99	203242	0.7038	
9 2-Methylnaphthalene	142	3.788	3.783	0.005	72	139839	0.7052	
10 1-Methylnaphthalene	142	3.884	3.879	0.005	88	112868	0.6381	
12 Acenaphthylene	152	4.703	4.687	0.016	97	65599	0.2323	
14 Acenaphthene	153	4.885	4.874	0.011	70	14556	0.0794	
16 Fluorene	166	5.441	5.430	0.011	51	18726	0.0900	
17 Phenanthrene	178	6.484	6.462	0.022	97	434307	1.50	
18 Anthracene	178	6.537	6.521	0.016	95	72229	0.2622	
19 Fluoranthene	202	7.800	7.773	0.027	98	474393	1.58	
20 Pyrene	202	8.040	8.014	0.026	97	421097	2.03	
21 Benzo[a]anthracene	228	9.351	9.319	0.032	98	239902	1.26	
22 Chrysene	228	9.383	9.356	0.027	95	371125	2.34	
23 Benzo[b]fluoranthene	252	10.394	10.356	0.038	97	483678	3.30	M
24 Benzo[k]fluoranthene	252	10.415	10.378	0.037	97	142621	0.9606	M
25 Benzo[a]pyrene	252	10.672	10.634	0.038	95	208888	1.62	
26 Indeno[1,2,3-cd]pyrene	276	11.672	11.613	0.059	99	154333	0.8237	
27 Dibenz(a,h)anthracene	278	11.694	11.640	0.054	67	64210	0.5644	
28 Benzo[g,h,i]perylene	276	11.945	11.875	0.070	92	140821	1.14	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

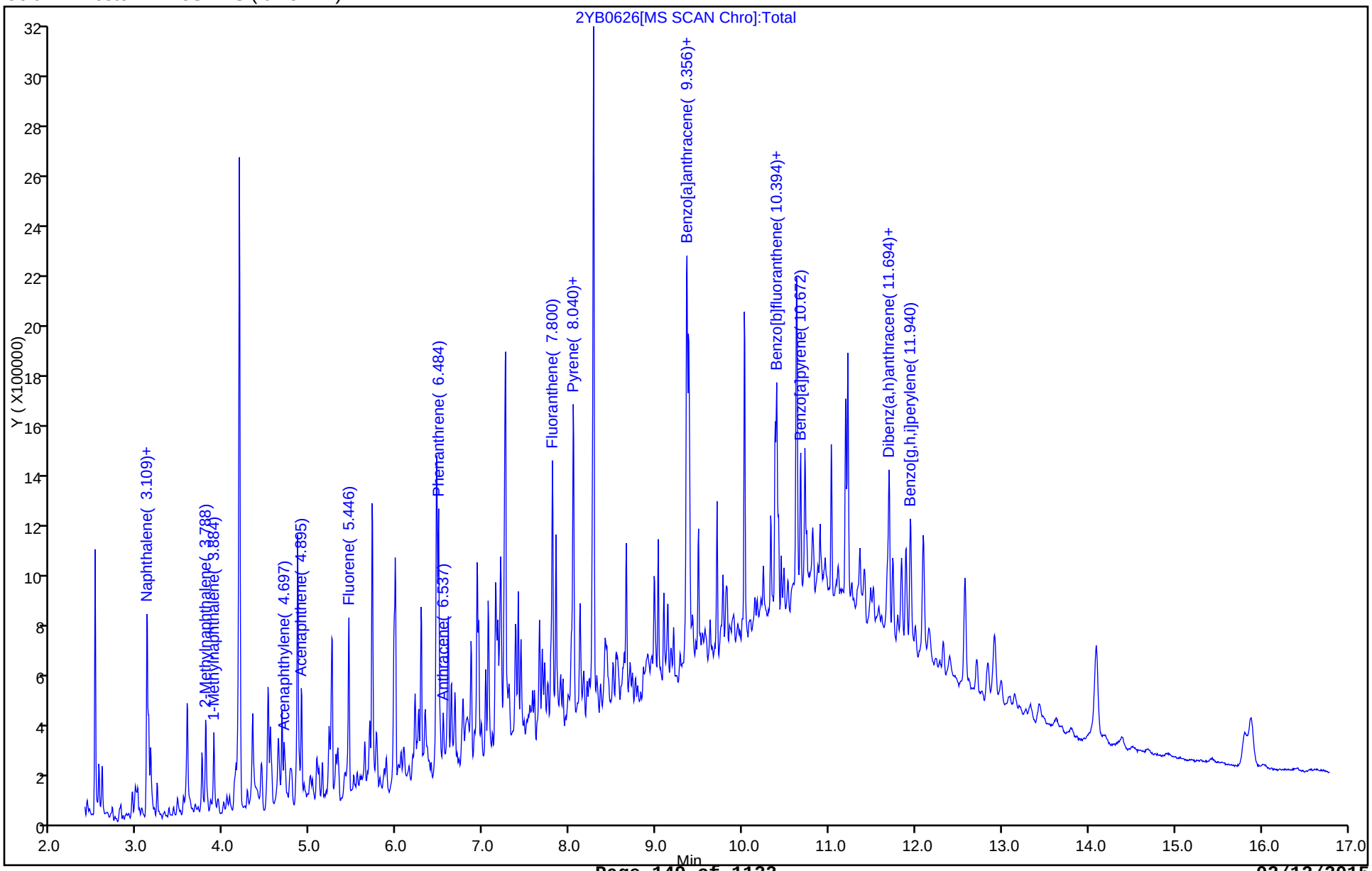
SM-LLISTD_00118	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20	Worklist Smp#:	26
Client ID:	HP0320C-CS6"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

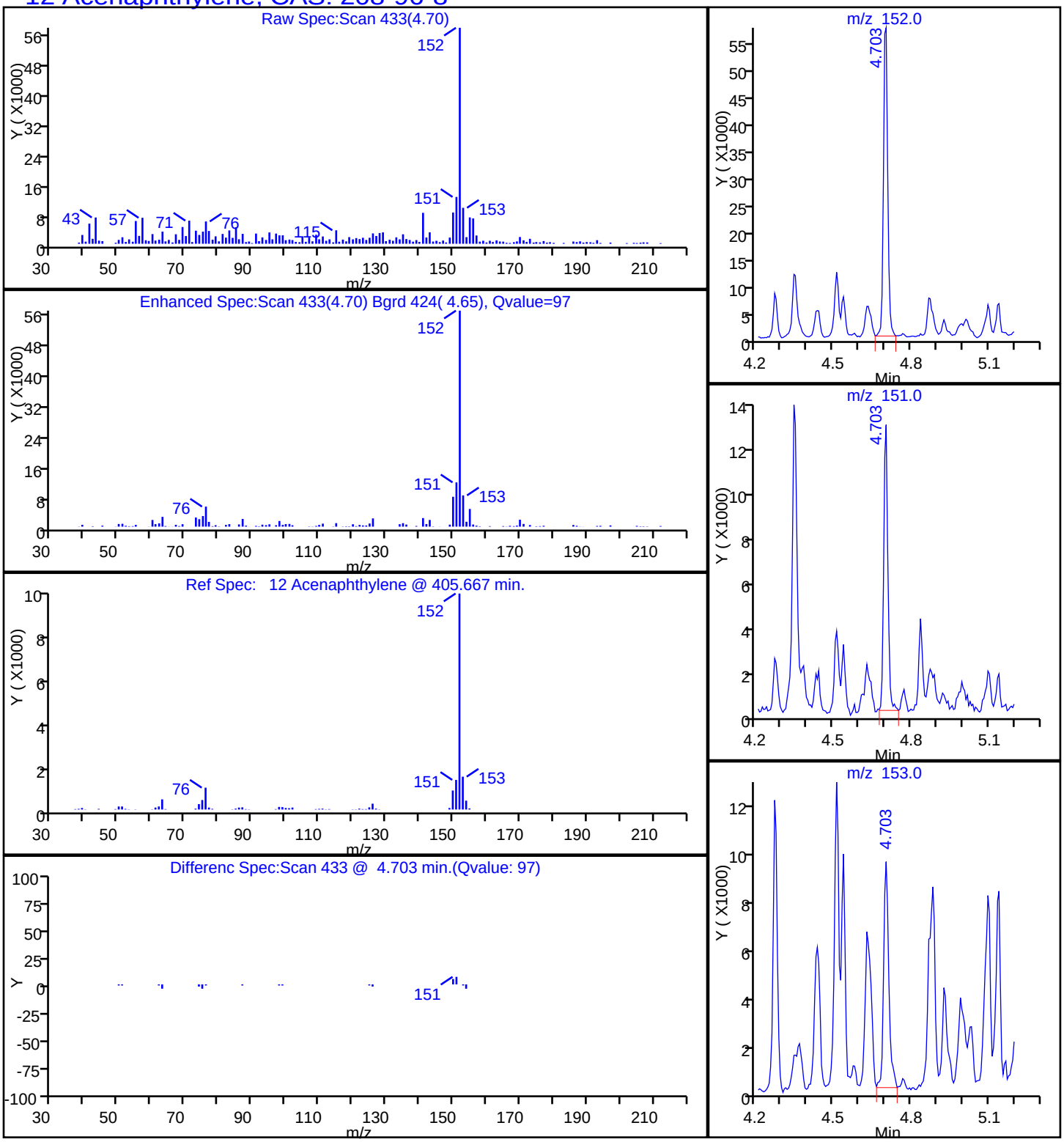


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthylene, CAS: 208-96-8

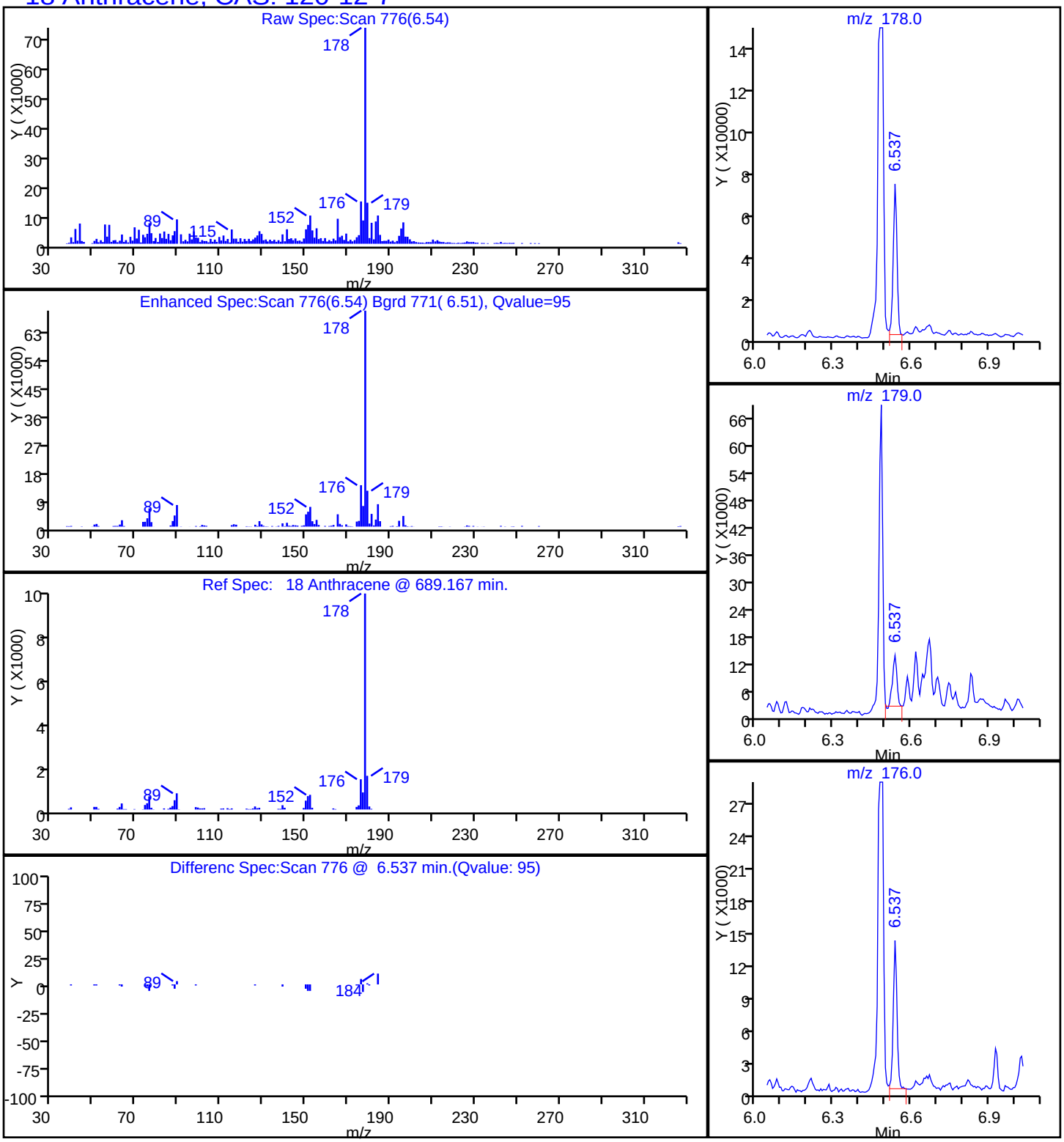


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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 Anthracene, CAS: 120-12-7

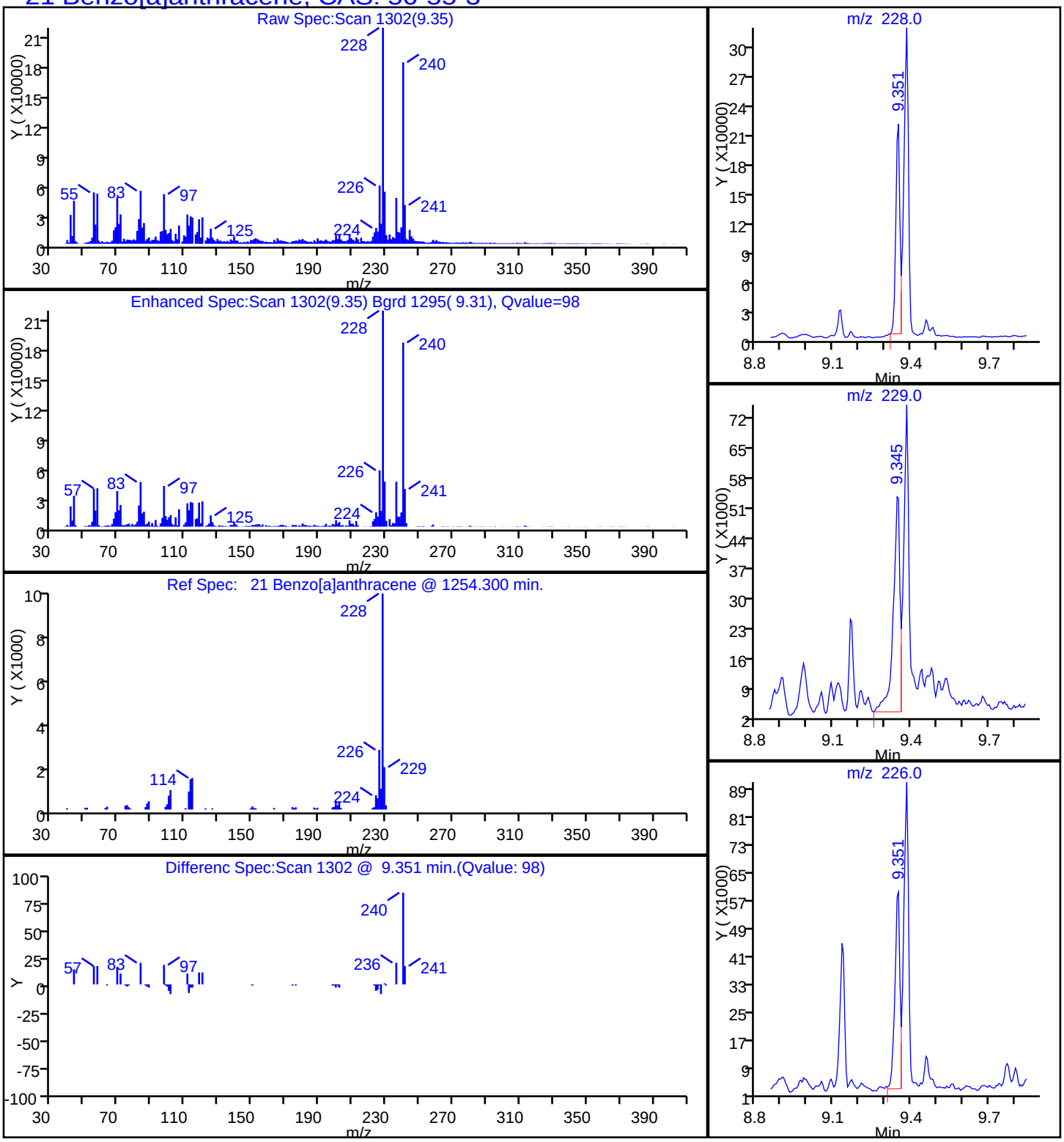


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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[a]anthracene, CAS: 56-55-3

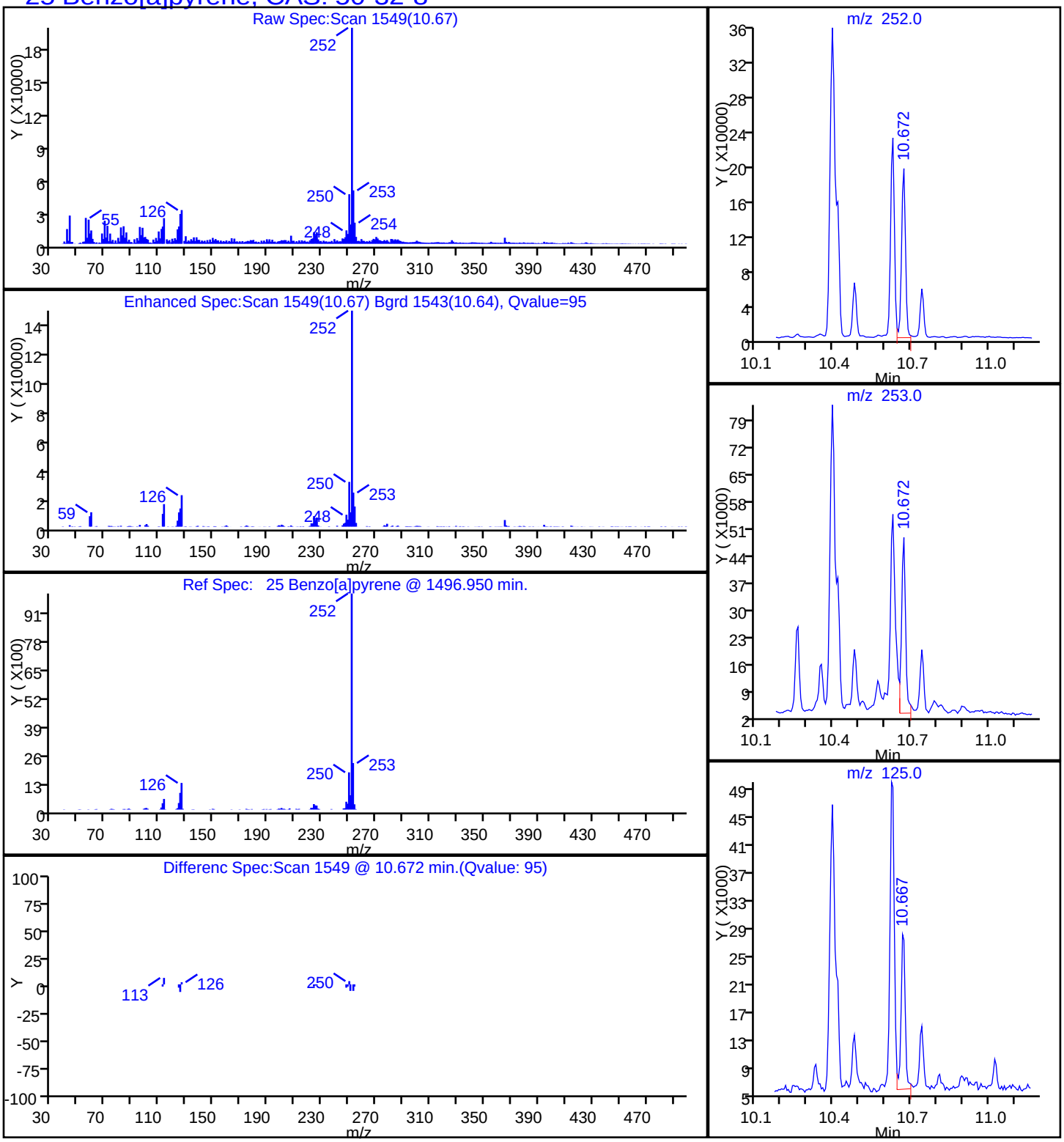


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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 Benzo[a]pyrene, CAS: 50-32-8

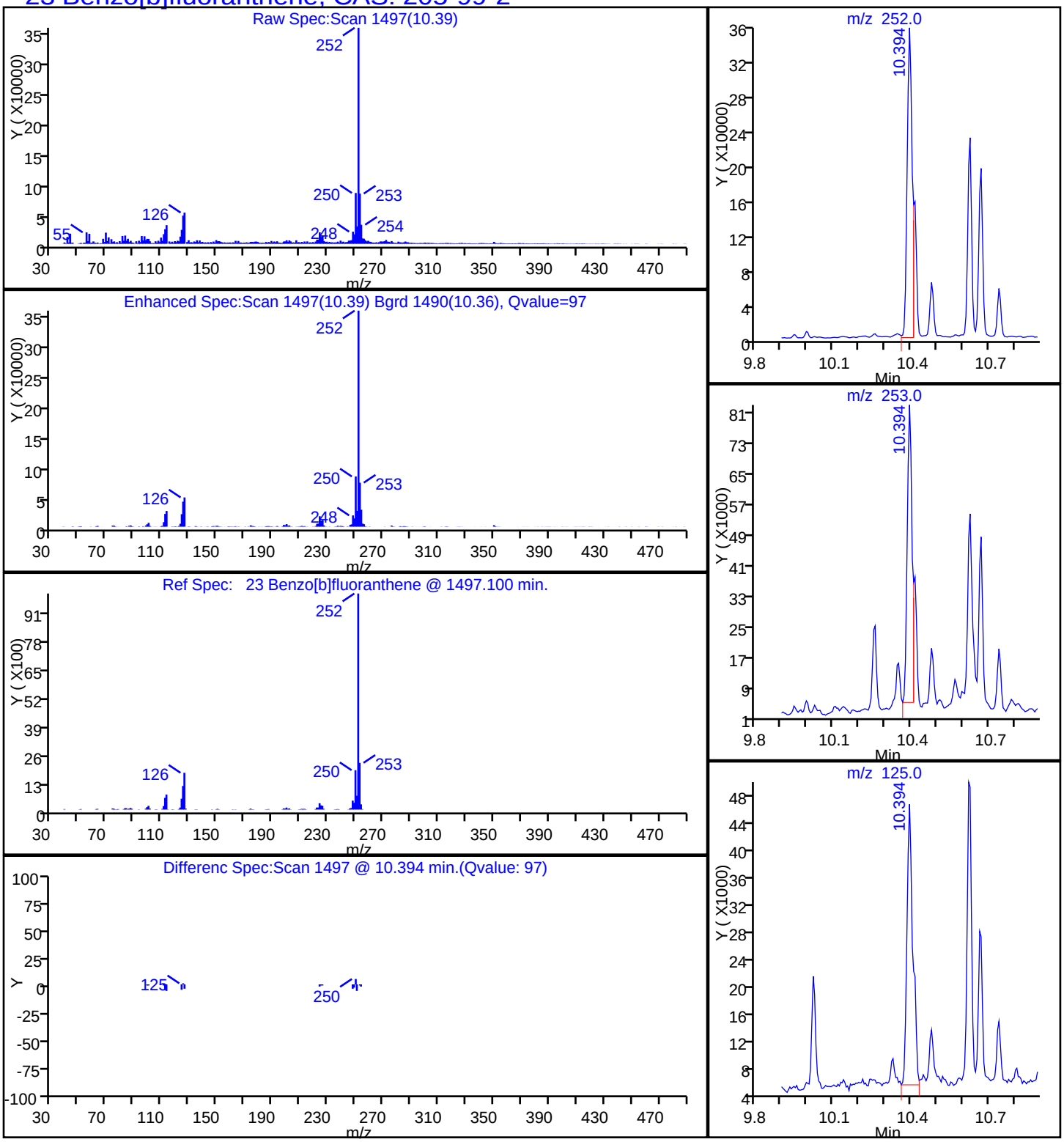


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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[b]fluoranthene, CAS: 205-99-2

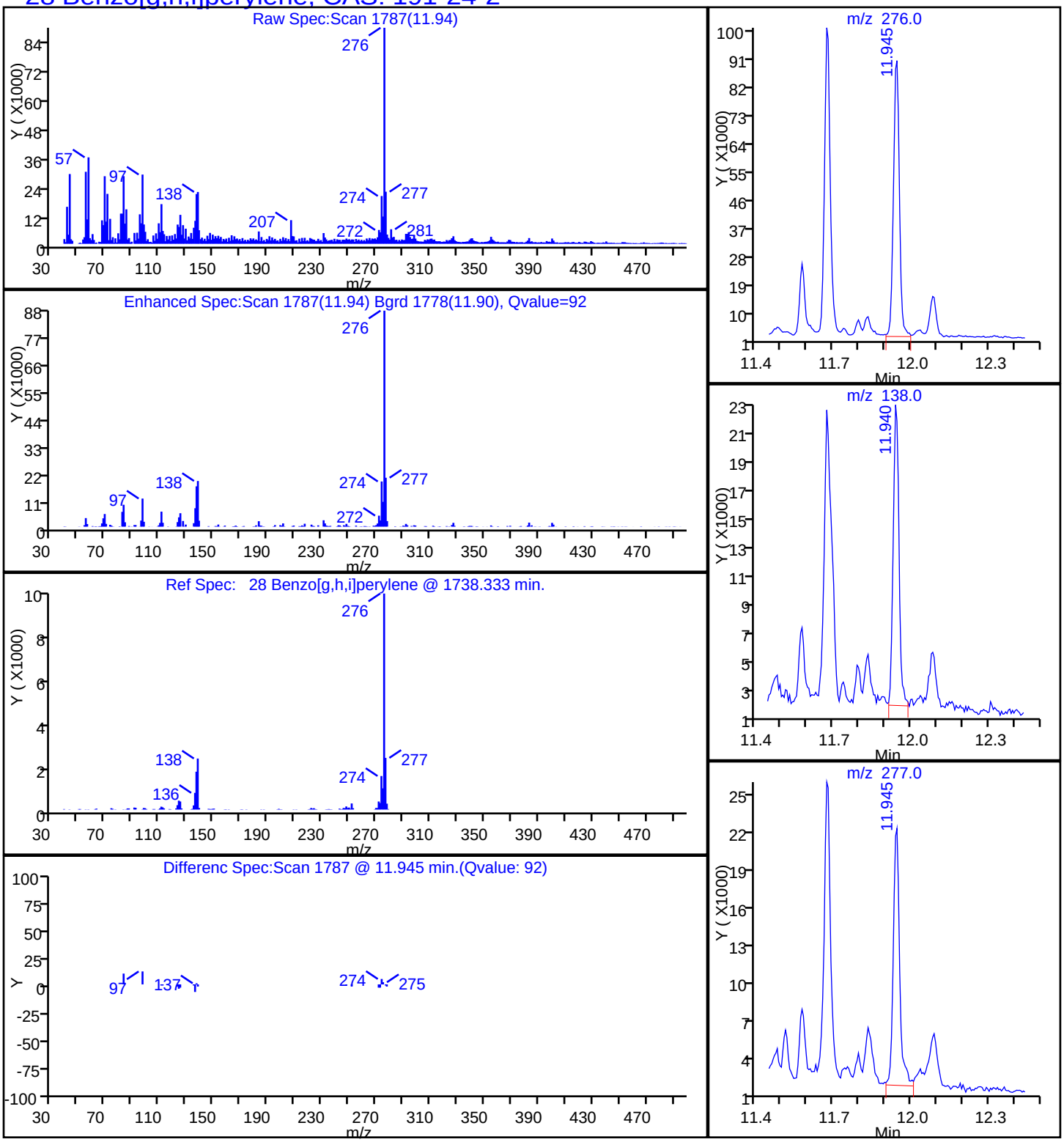


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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		

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

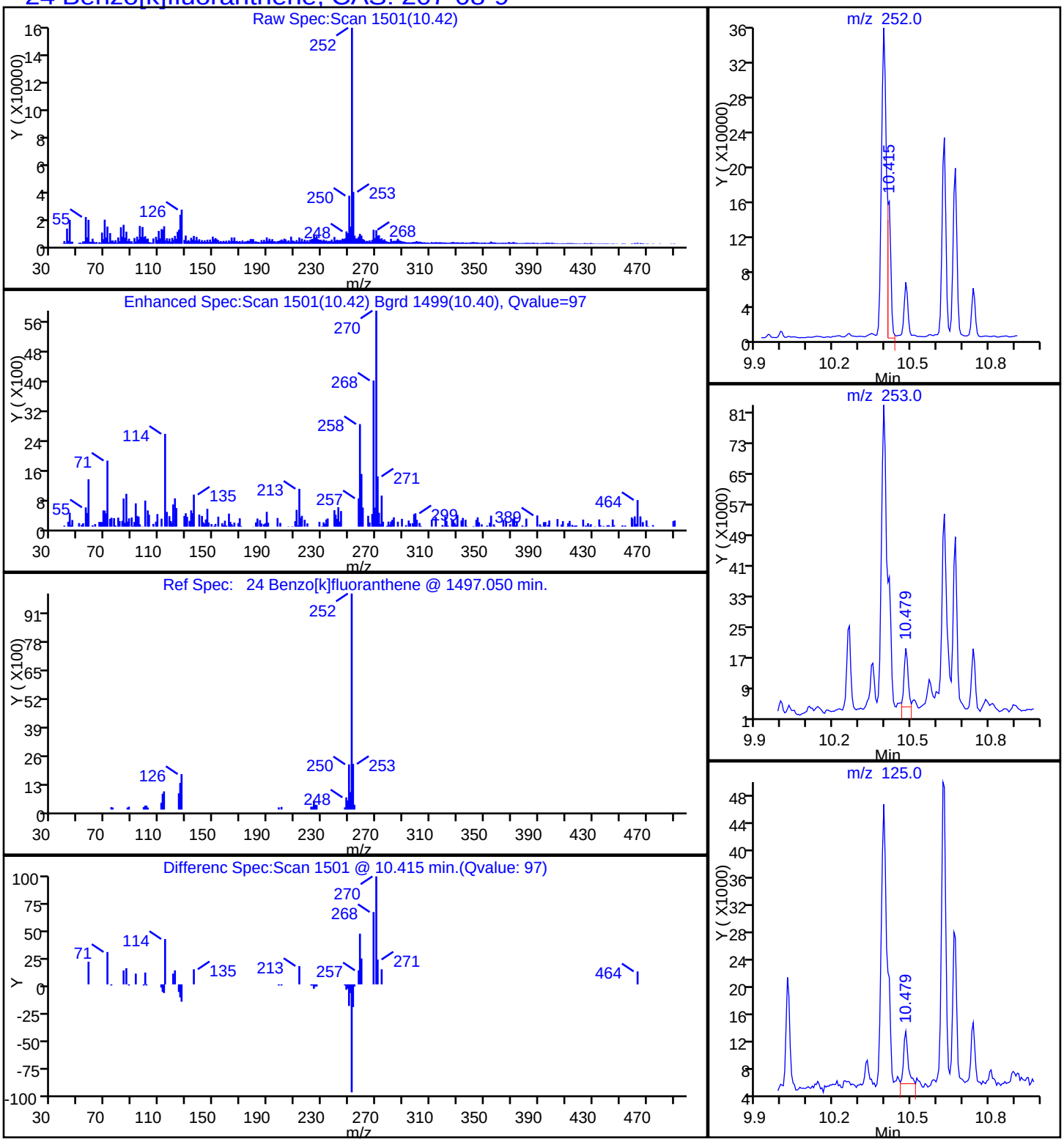


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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 Benzo[k]fluoranthene, CAS: 207-08-9

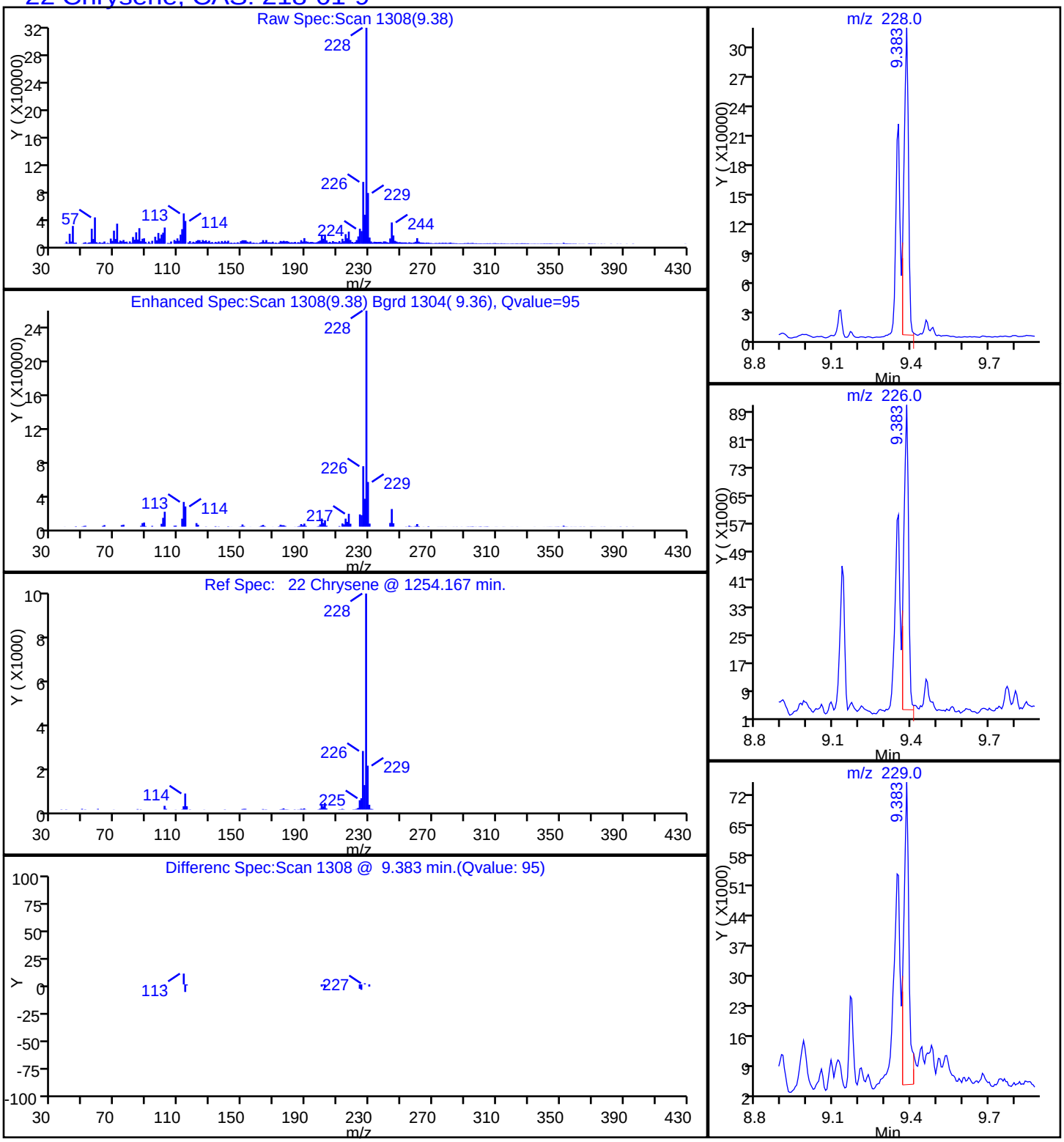


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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 Chrysene, CAS: 218-01-9

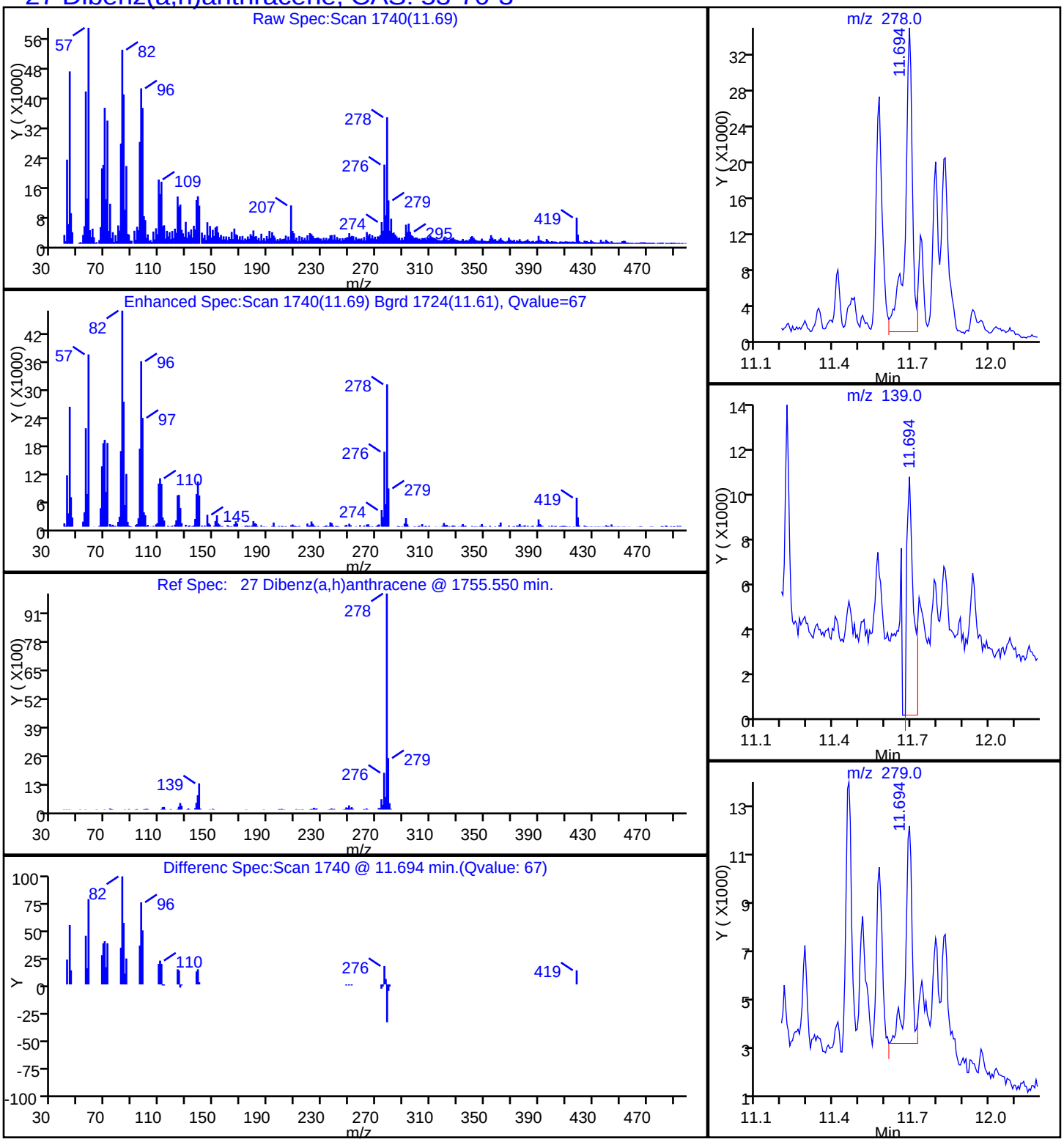


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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		

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

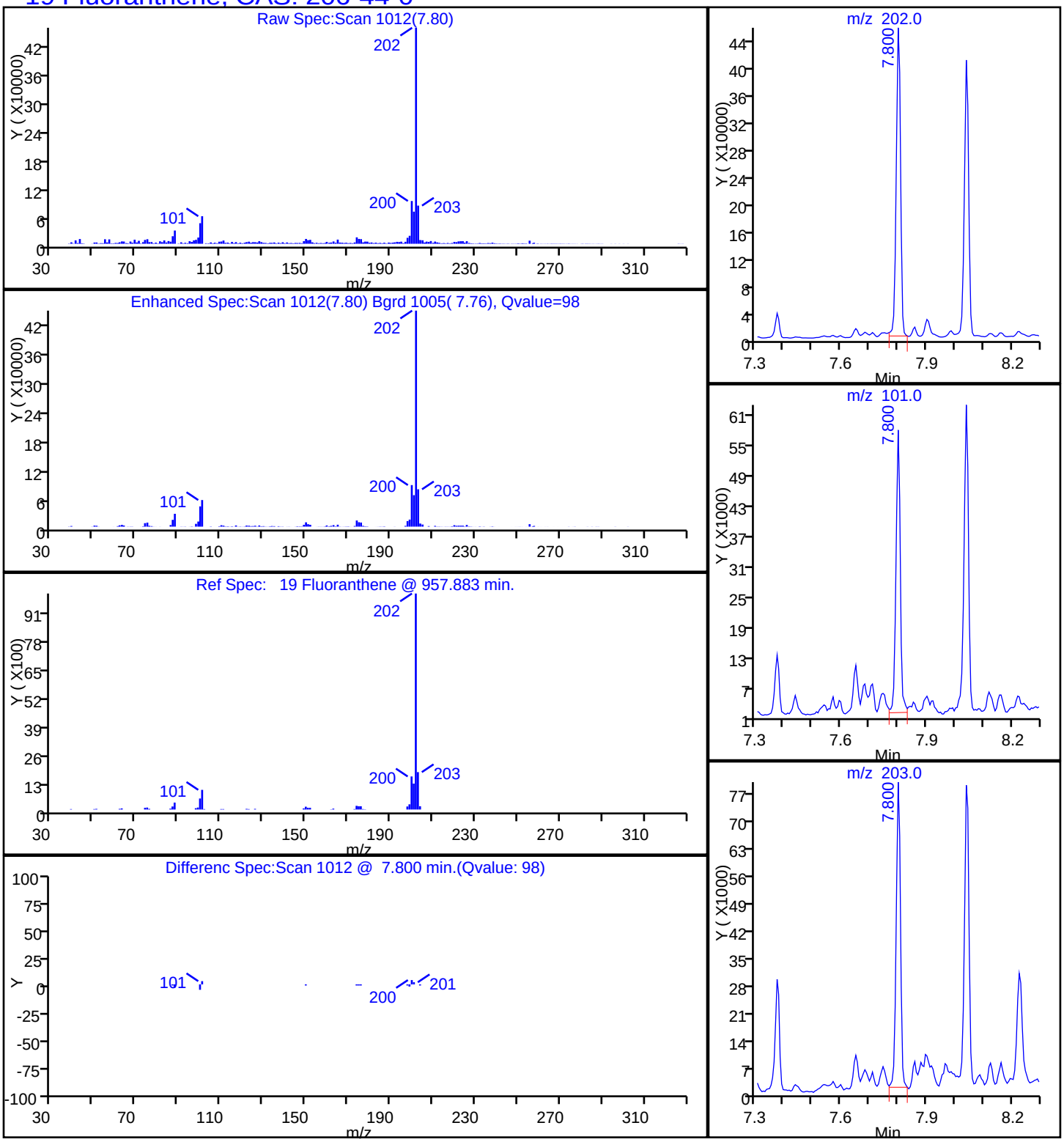


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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 Fluoranthene, CAS: 206-44-0

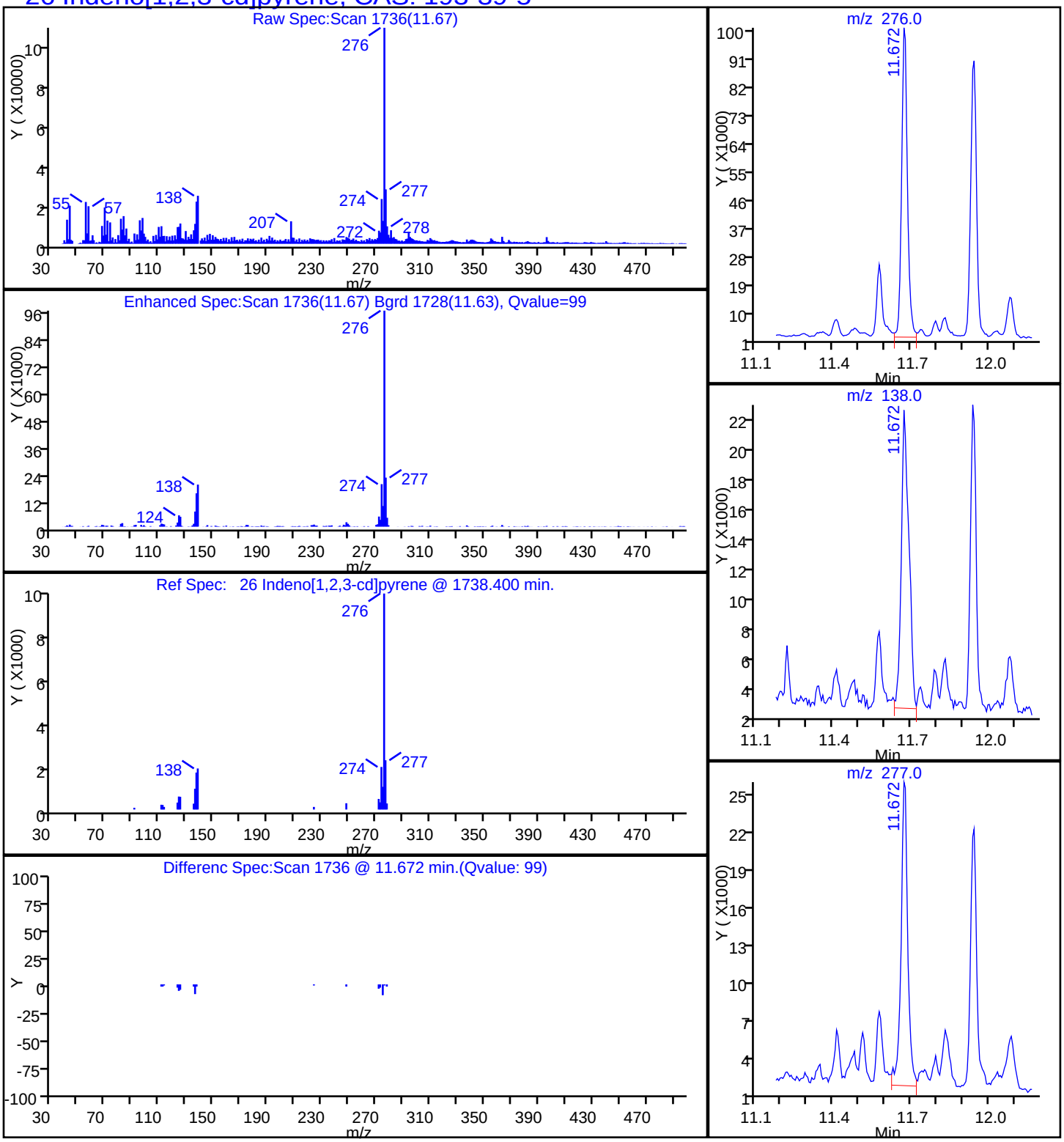


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

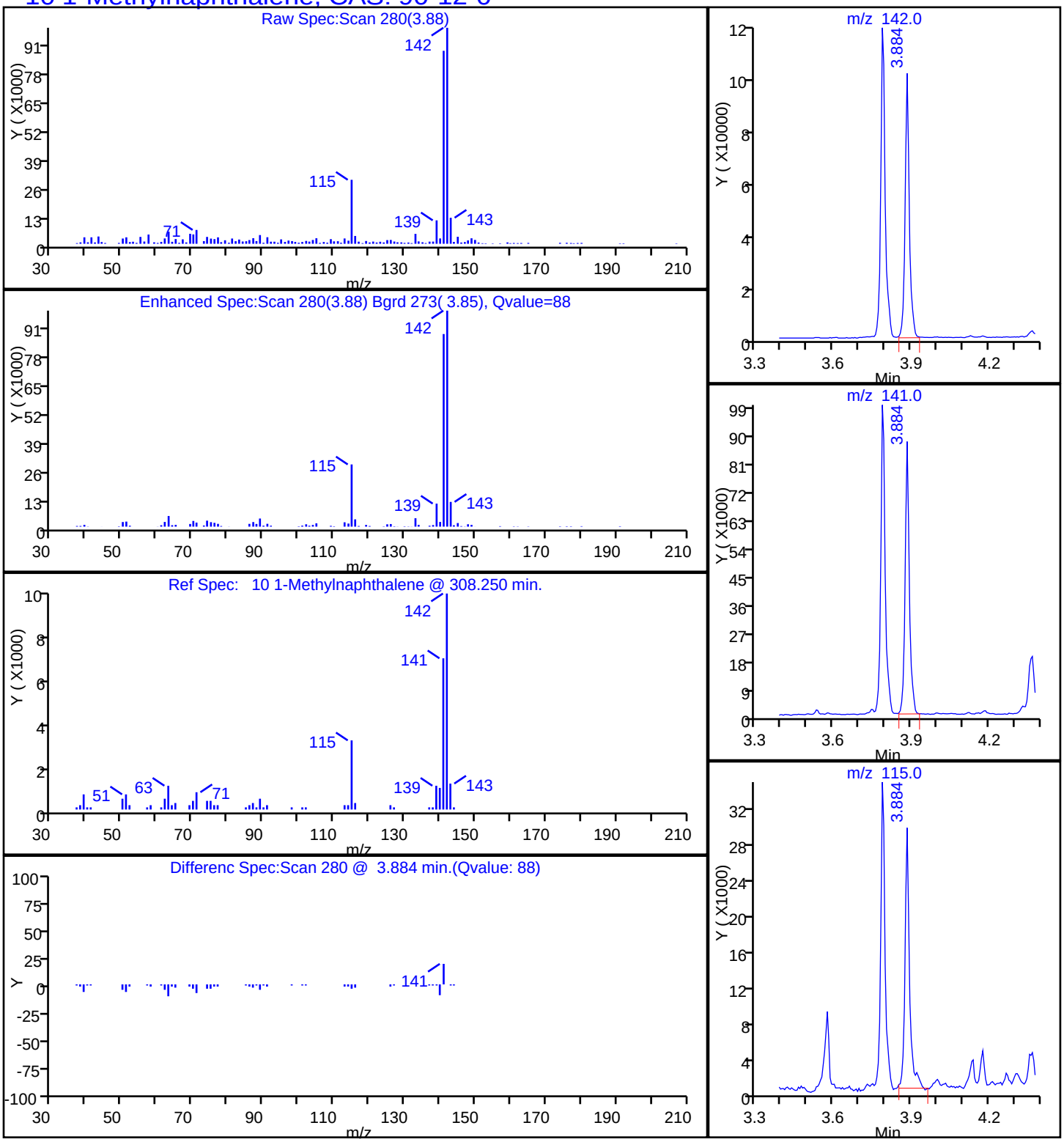


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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		

10 1-Methylnaphthalene, CAS: 90-12-0

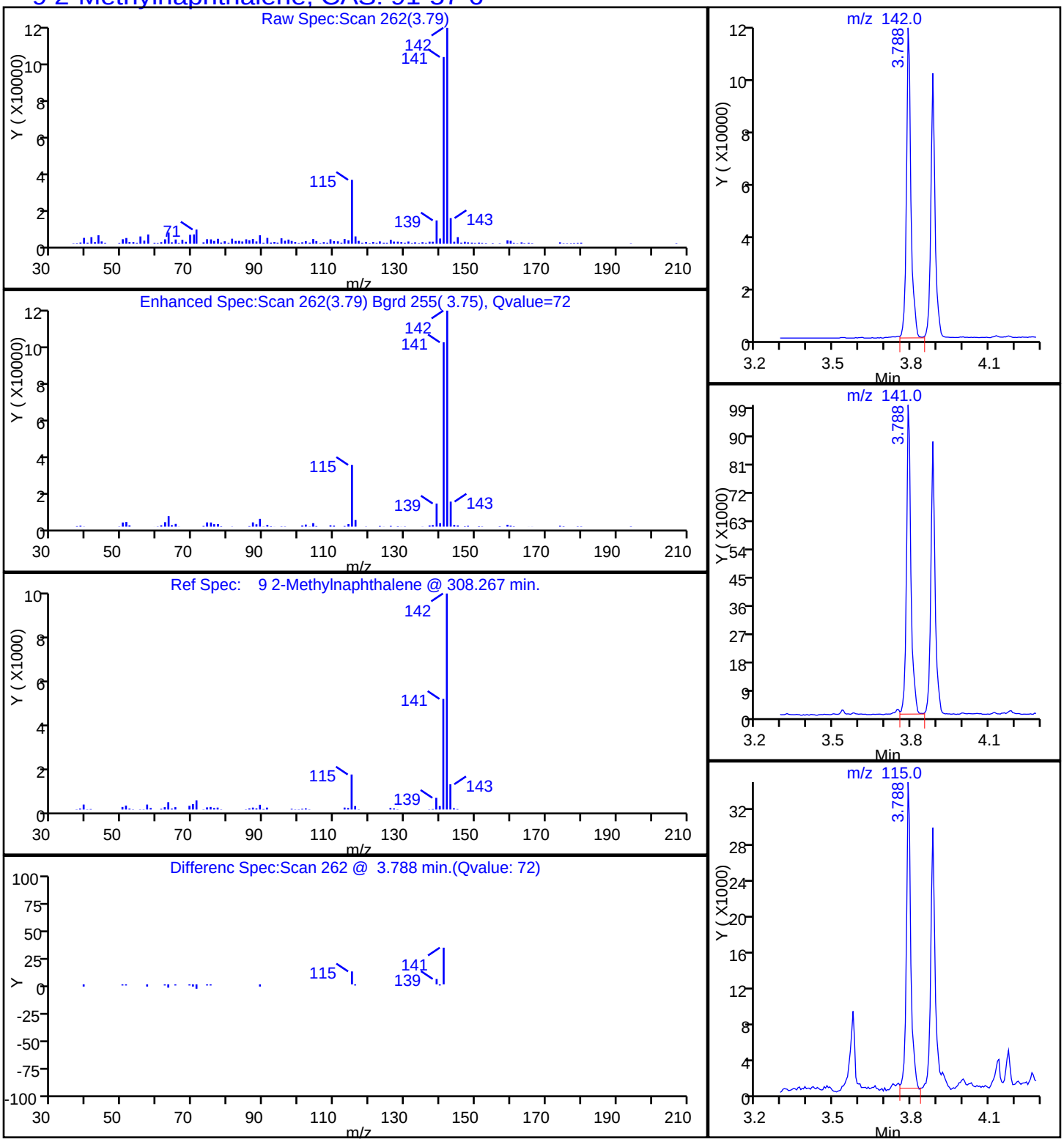


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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 2-Methylnaphthalene, CAS: 91-57-6

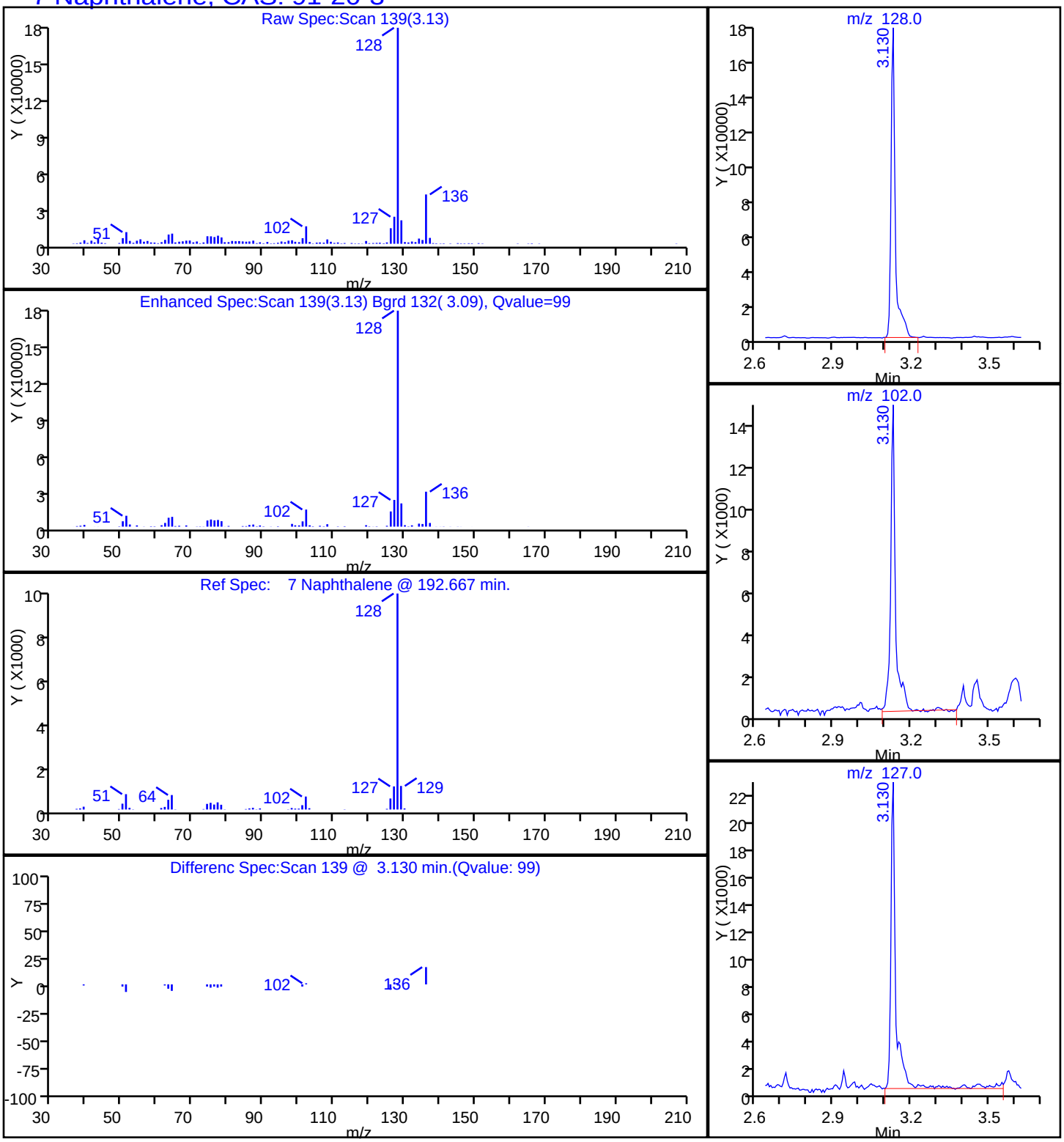


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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

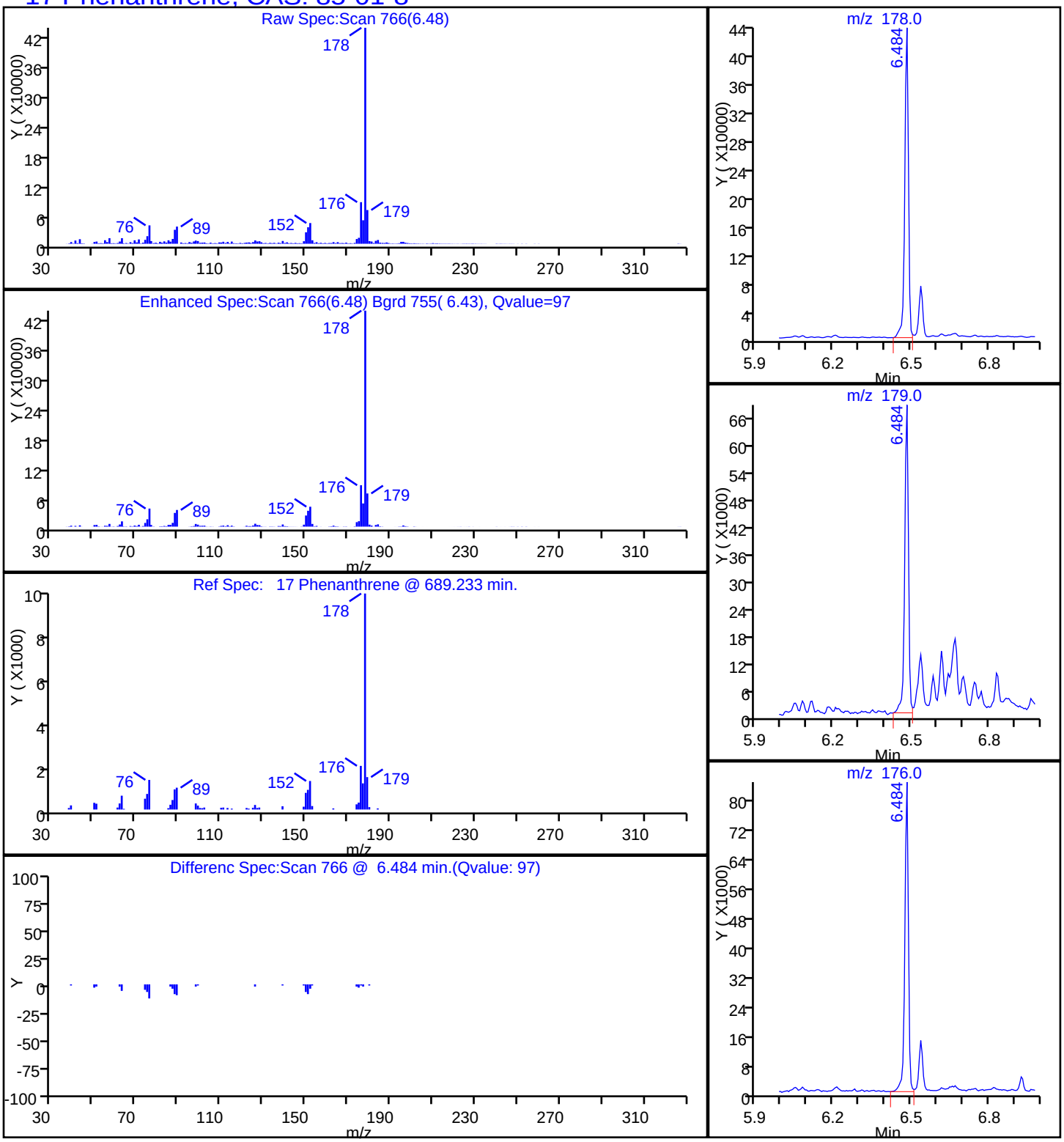


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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 Phenanthrene, CAS: 85-01-8

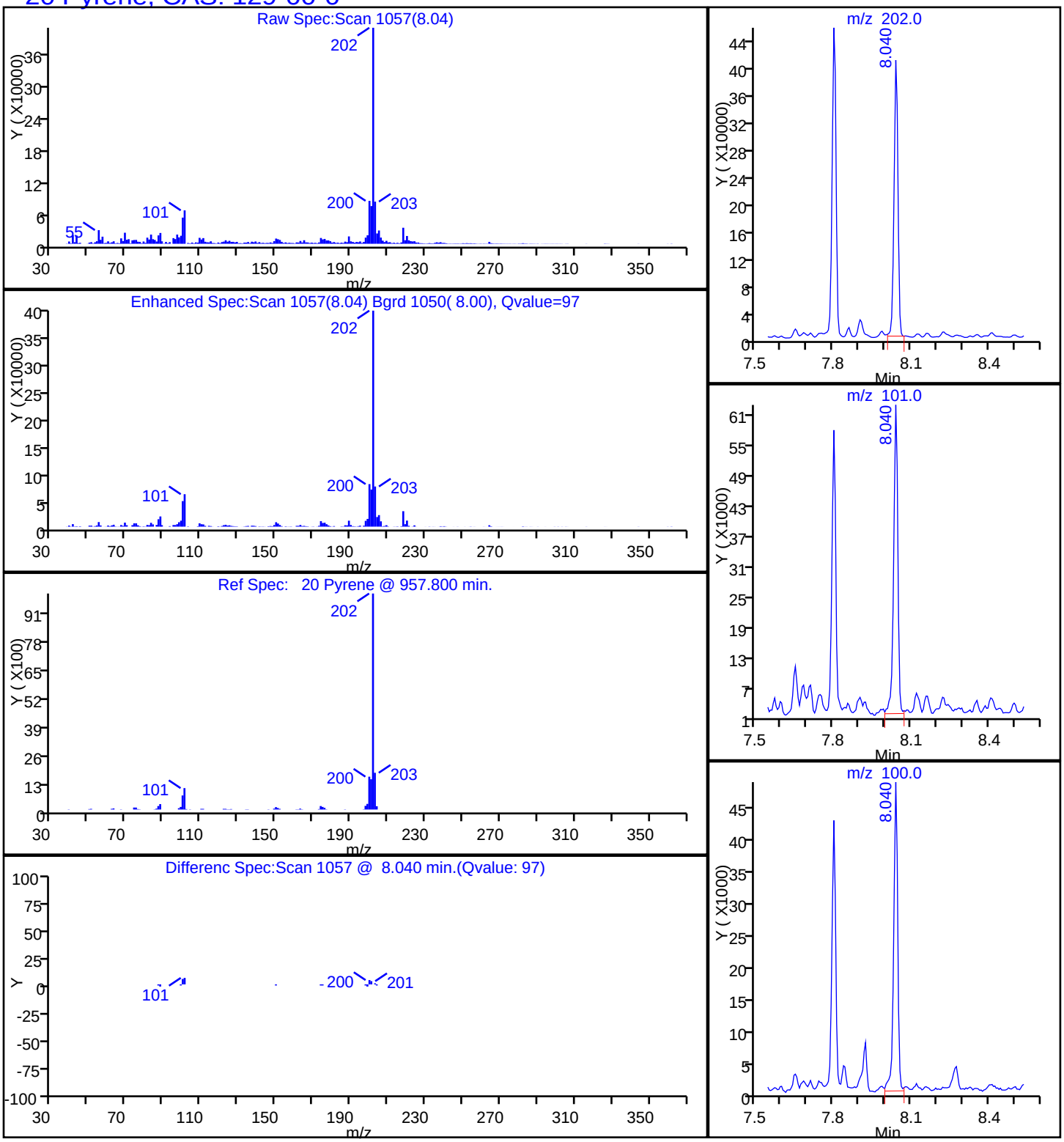


Report Date: 07-Feb-2015 08:53:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

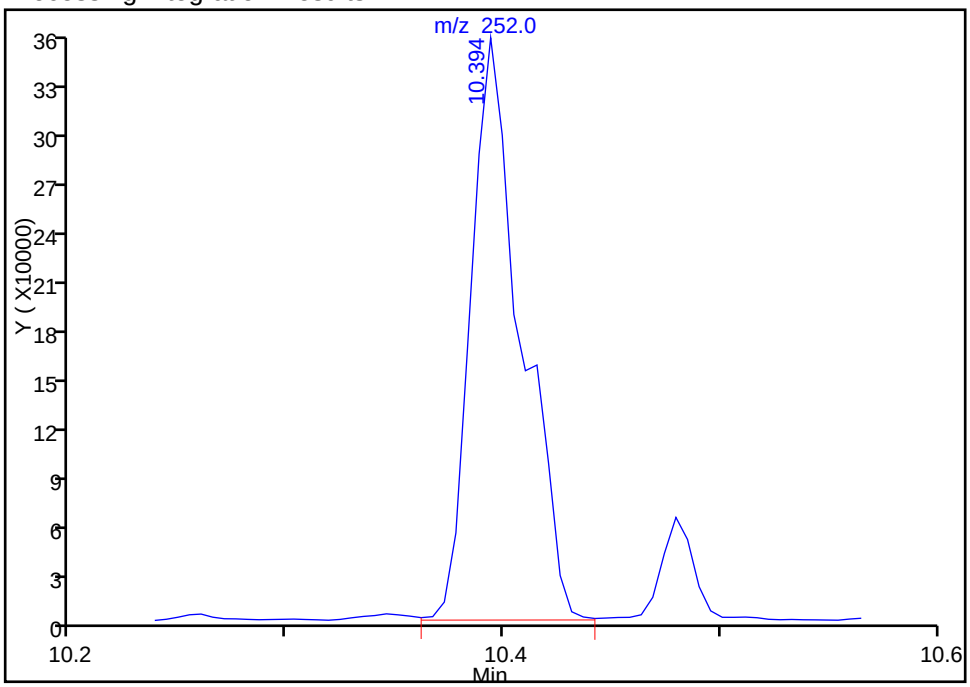
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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[b]fluoranthene, CAS: 205-99-2

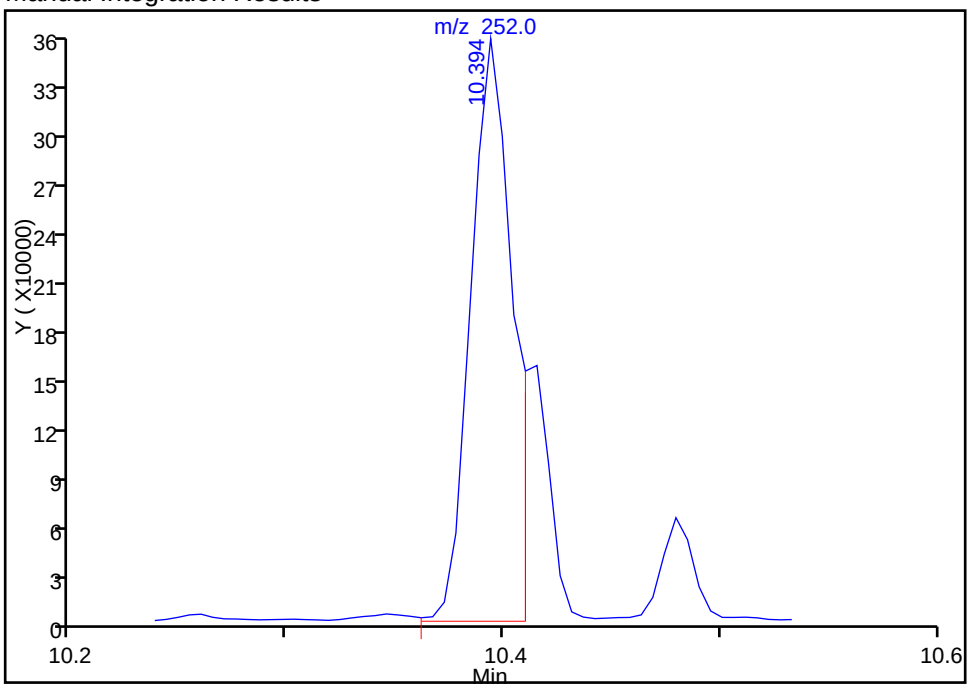
Processing Integration Results

RT: 10.39
Area: 572909
Amount: 3.907817
Amount Units: ug/ml



Manual Integration Results

RT: 10.39
Area: 483678
Amount: 3.299171
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:50:44
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

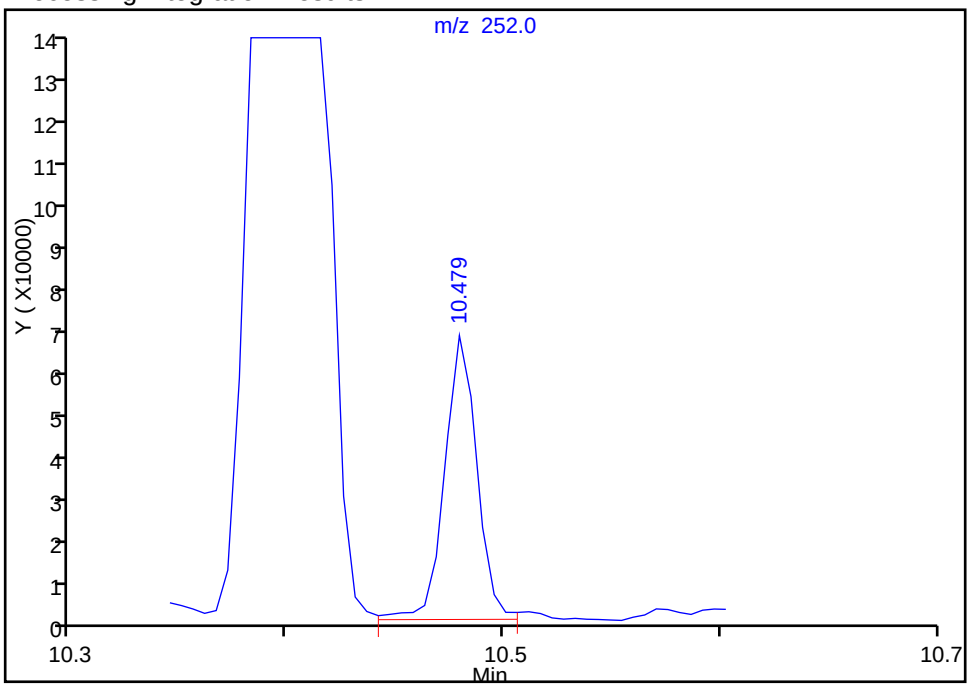
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0626.D				
Injection Date:	07-Feb-2015 01:26:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-20-A	Lab Sample ID:	680-109515-20		
Client ID:	HP0320C-CS6"				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
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 Benzo[k]fluoranthene, CAS: 207-08-9

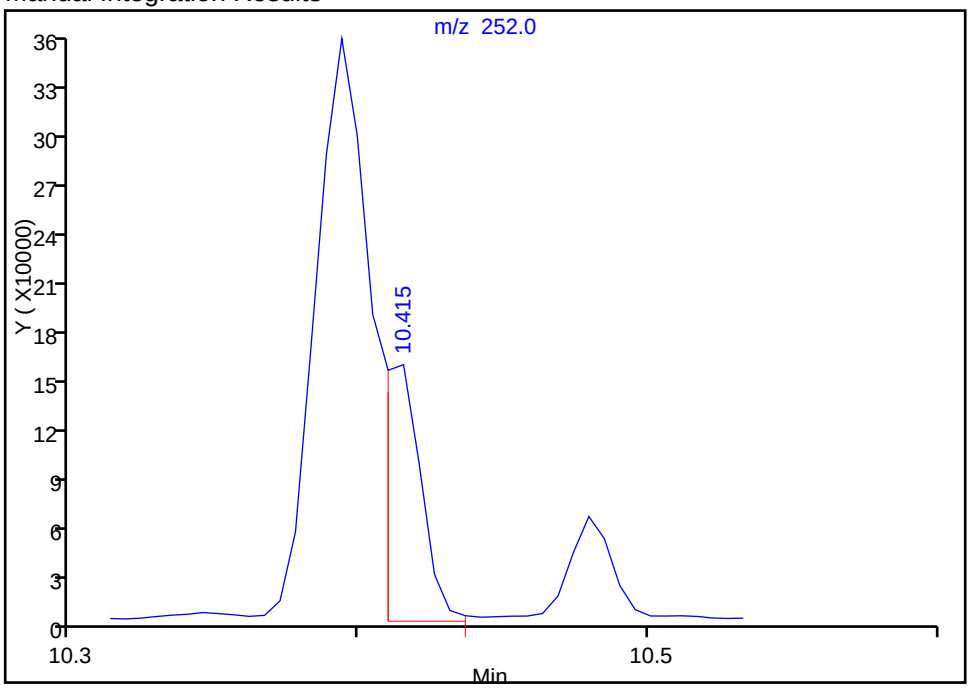
Processing Integration Results

RT: 10.48
Area: 64766
Amount: 0.436229
Amount Units: ug/ml



Manual Integration Results

RT: 10.42
Area: 142621
Amount: 0.960618
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:50:44
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320C-CS12" | Lab Sample ID: 680-109515-21

Matrix: Solid | Lab File ID: 2YB0610.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 10:10

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.08(g) | Date Analyzed: 02/06/2015 19:29

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.: 369958 | 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	9.4		8.0	3.9
50-32-8	Benzo[a]pyrene	12		8.0	1.4
205-99-2	Benzo[b]fluoranthene	25		8.0	3.9
191-24-2	Benzo[g,h,i]perylene	9.6		8.0	3.9
207-08-9	Benzo[k]fluoranthene	11		8.0	2.4
218-01-9	Chrysene	18		8.0	3.9
53-70-3	Dibenz(a,h)anthracene	8.0	U	8.0	3.9
206-44-0	Fluoranthene	13		8.0	3.9
86-73-7	Fluorene	8.0	U	8.0	3.9
193-39-5	Indeno[1,2,3-cd]pyrene	6.7	J	8.0	3.9
90-12-0	1-Methylnaphthalene	6.7	J	8.0	3.7
91-57-6	2-Methylnaphthalene	8.6		8.0	3.9
91-20-3	Naphthalene	9.5		8.0	3.9
85-01-8	Phenanthrene	12		8.0	2.9
129-00-0	Pyrene	15		8.0	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	73		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Sample Type:	Client				
Inject. Date:	06-Feb-2015 19:29:30	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	109515-A-21-A				
Misc. Info.:	680-0016908-010				
Operator ID:		Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	07-Feb-2015 08:52:58	Calib Date:	03-Feb-2015 18:57:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D		

Column 1 :	Restek RXi-5Sil MS (0.25 mm)	Det: MS SCAN
Process Host:	XAWRK048	

First Level Reviewer: webbk Date: 07-Feb-2015 08:36:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.104	3.109	-0.005	98	480341	2.00	
* 2 Acenaphthene-d10	164	4.842	4.842	0.000	92	285801	2.00	
* 3 Phenanthrene-d10	188	6.446	6.436	0.010	98	490419	2.00	
* 4 Chrysene-d12	240	9.335	9.324	0.011	99	415840	2.00	
* 5 Perylene-d12	264	10.693	10.677	0.016	99	304112	2.00	
$ 6 o-Terphenyl	230	6.917	6.912	0.005	92	180823	1.47	
7 Naphthalene	128	3.125	3.125	0.000	99	66320	0.2383	
9 2-Methylnaphthalene	142	3.783	3.783	0.000	86	41167	0.2154	
10 1-Methylnaphthalene	142	3.874	3.879	-0.005	93	28829	0.1691	
12 Acenaphthylene	152	4.692	4.687	0.005	98	16856	0.0591	
17 Phenanthrene	178	6.468	6.462	0.006	97	89076	0.2943	
18 Anthracene	178	6.521	6.521	0.000	98	15352	0.0532	
19 Fluoranthene	202	7.784	7.773	0.011	98	104215	0.3310	
20 Pyrene	202	8.019	8.014	0.005	98	101948	0.3652	
21 Benzo[a]anthracene	228	9.329	9.319	0.010	96	60803	0.2374	
22 Chrysene	228	9.361	9.356	0.005	99	97120	0.4581	
23 Benzo[b]fluoranthene	252	10.367	10.356	0.011	98	125171	0.6243	
24 Benzo[k]fluoranthene	252	10.378	10.378	0.000	98	54783	0.2698	M
25 Benzo[a]pyrene	252	10.645	10.634	0.011	98	55575	0.3144	
26 Indeno[1,2,3-cd]pyrene	276	11.635	11.613	0.022	99	42272	0.1677	
27 Dibenz(a,h)anthracene	278	11.656	11.640	0.016	95	13927	0.0895	
28 Benzo[g,h,i]perylene	276	11.897	11.875	0.022	98	40926	0.2429	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 08:53:23 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
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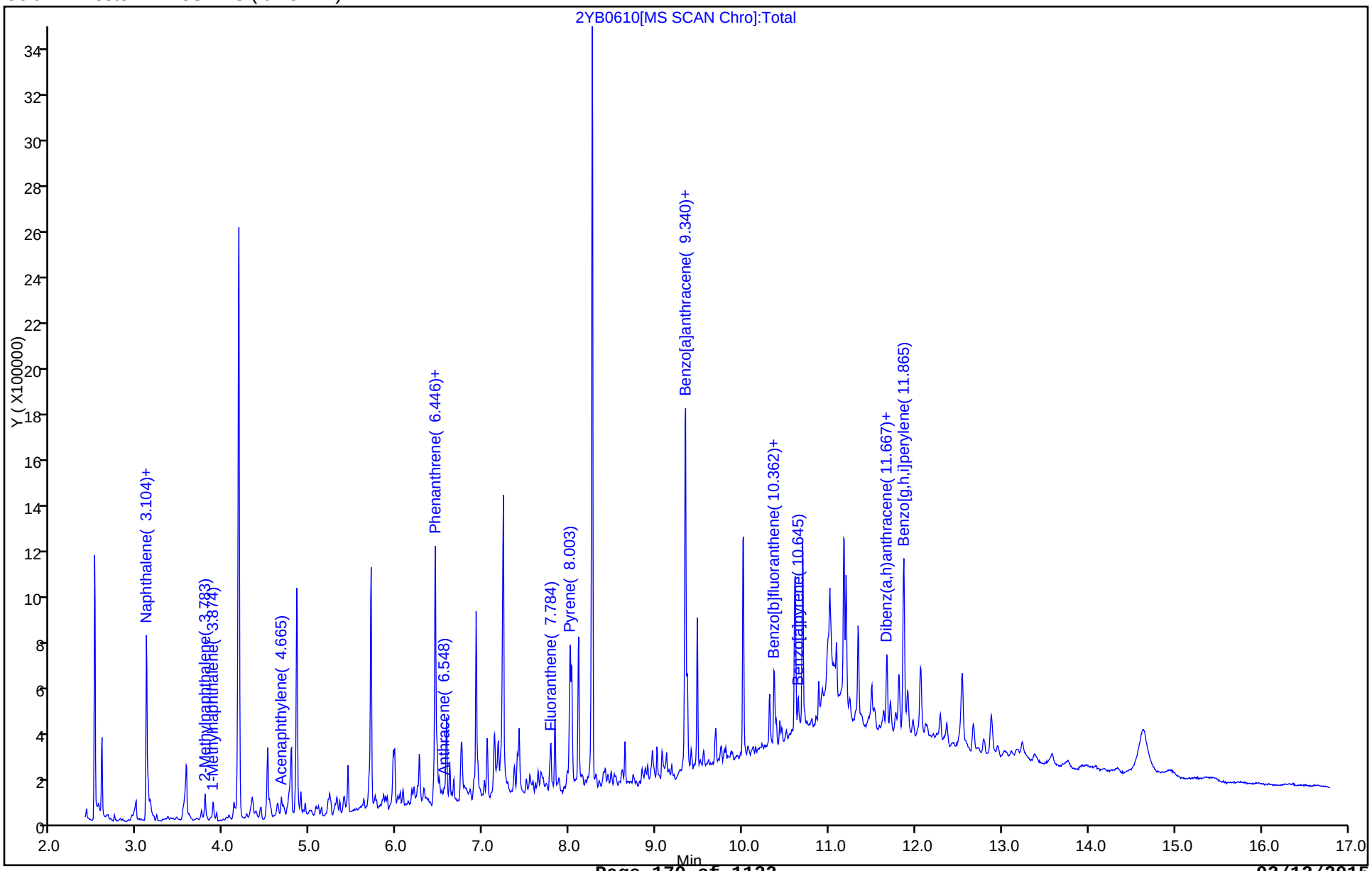
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21	Worklist Smp#:	10
Client ID:	HP0320C-CS12"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

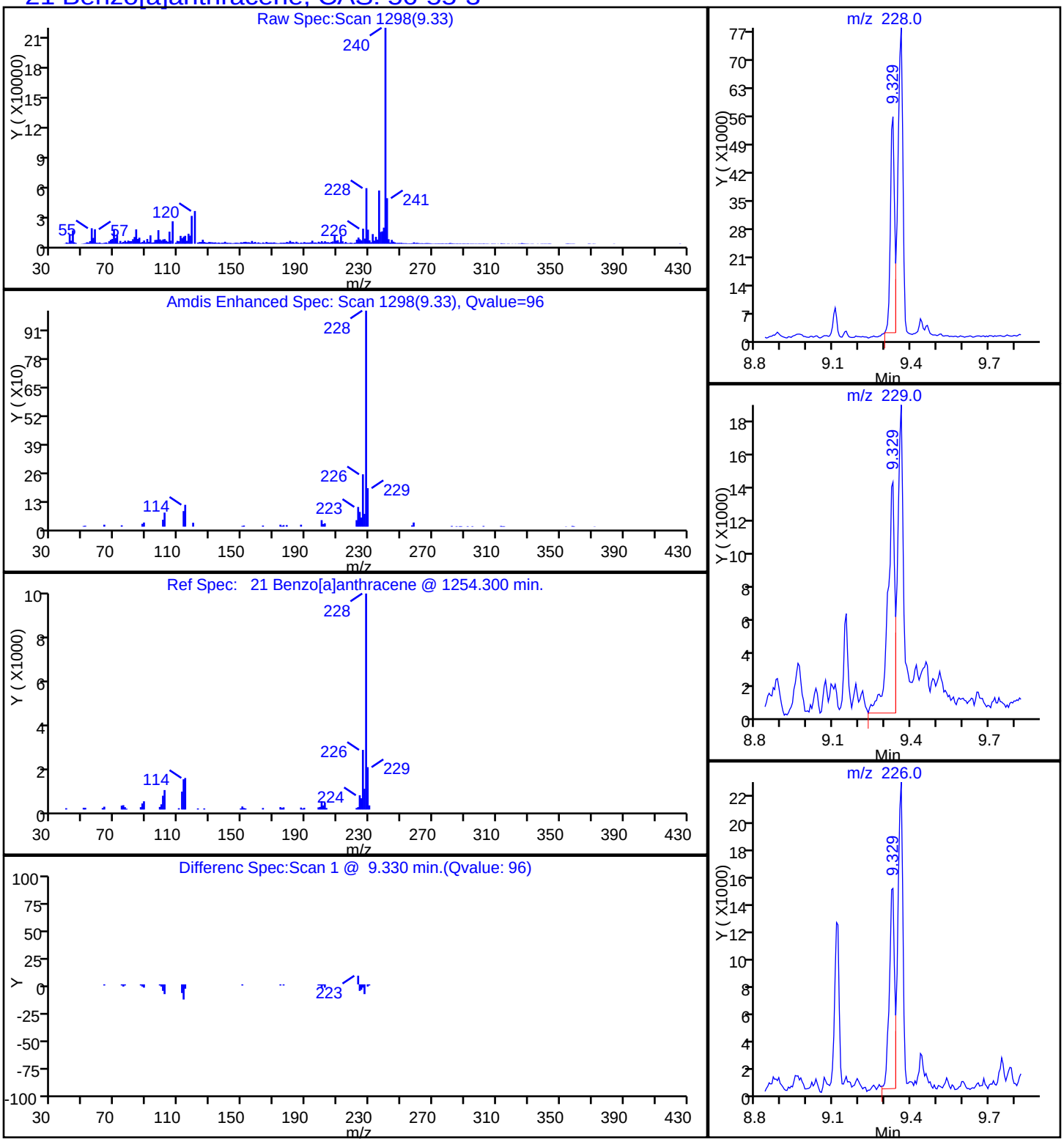


Report Date: 07-Feb-2015 08:53:23 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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[a]anthracene, CAS: 56-55-3

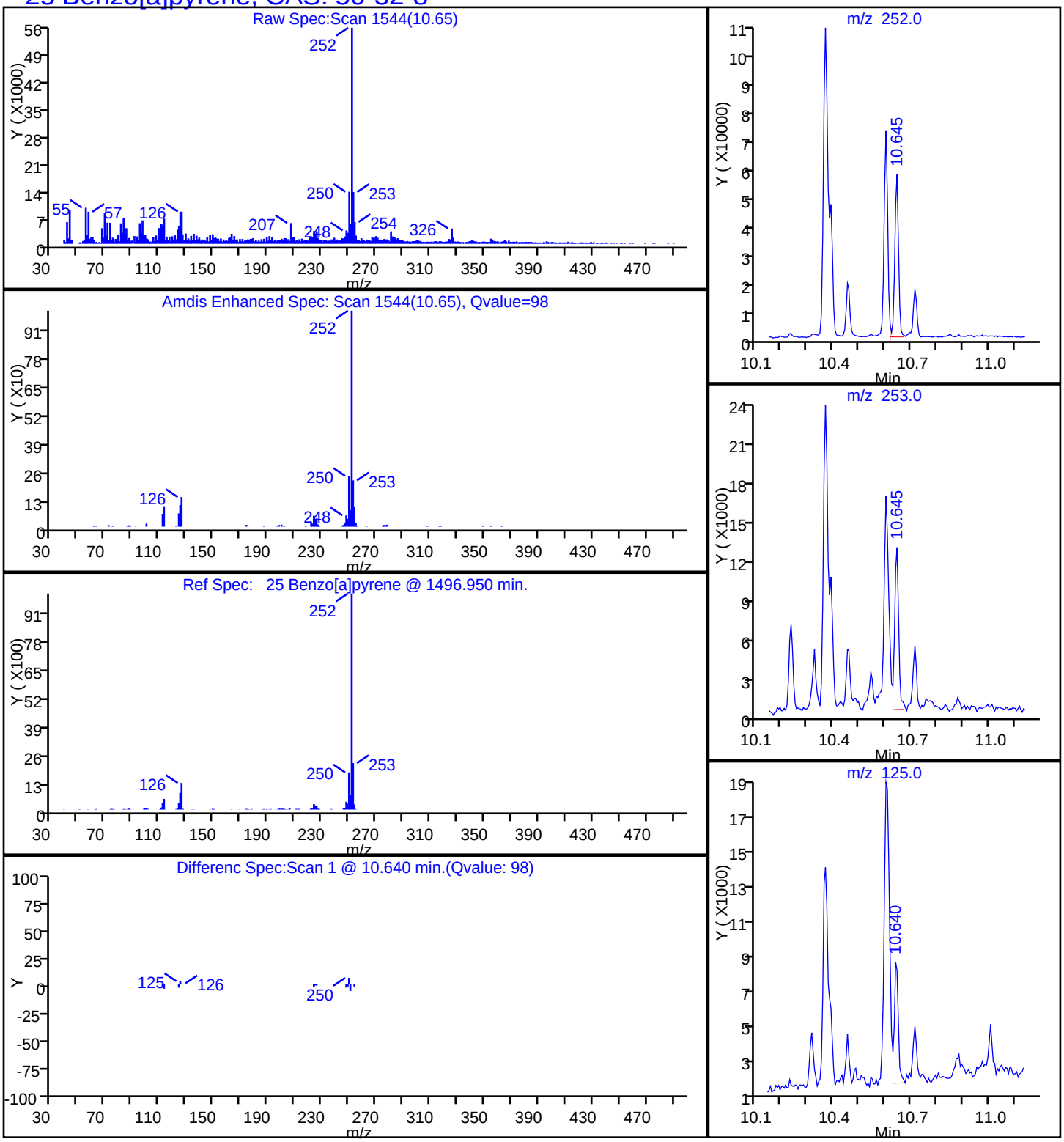


Report Date: 07-Feb-2015 08:53:24 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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 Benzo[a]pyrene, CAS: 50-32-8

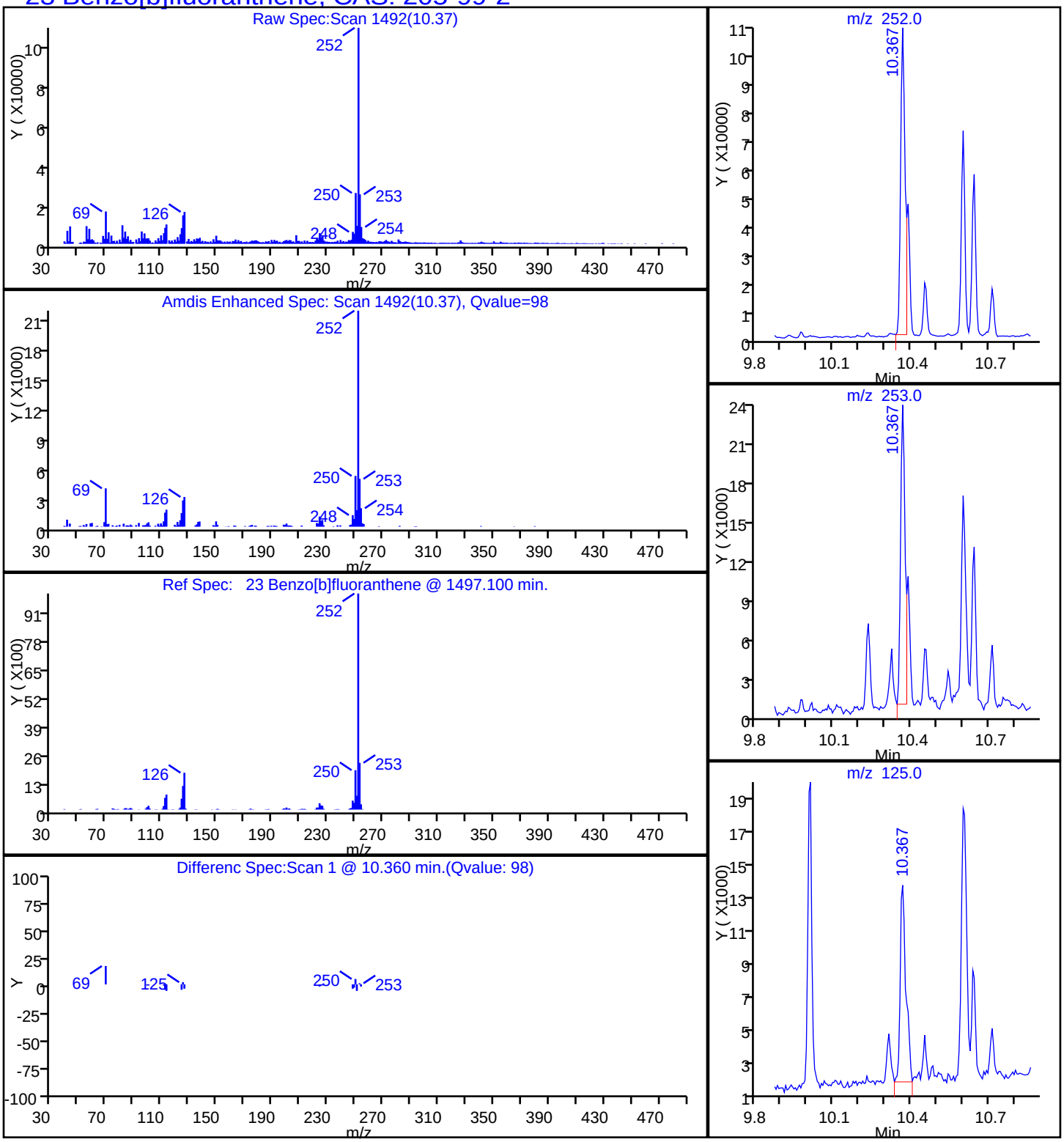


Report Date: 07-Feb-2015 08:53:24 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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[b]fluoranthene, CAS: 205-99-2

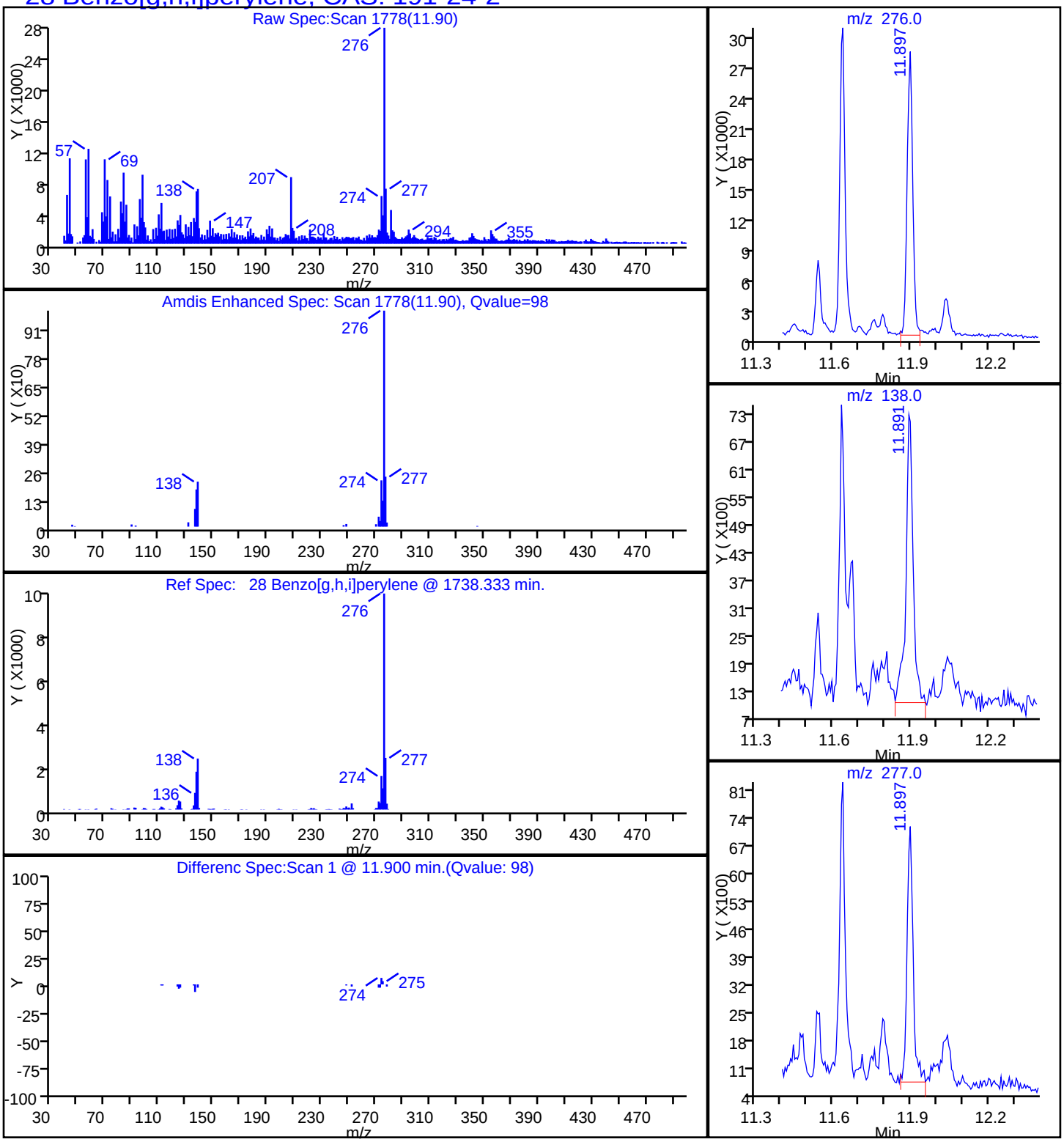


Report Date: 07-Feb-2015 08:53:24 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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		

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

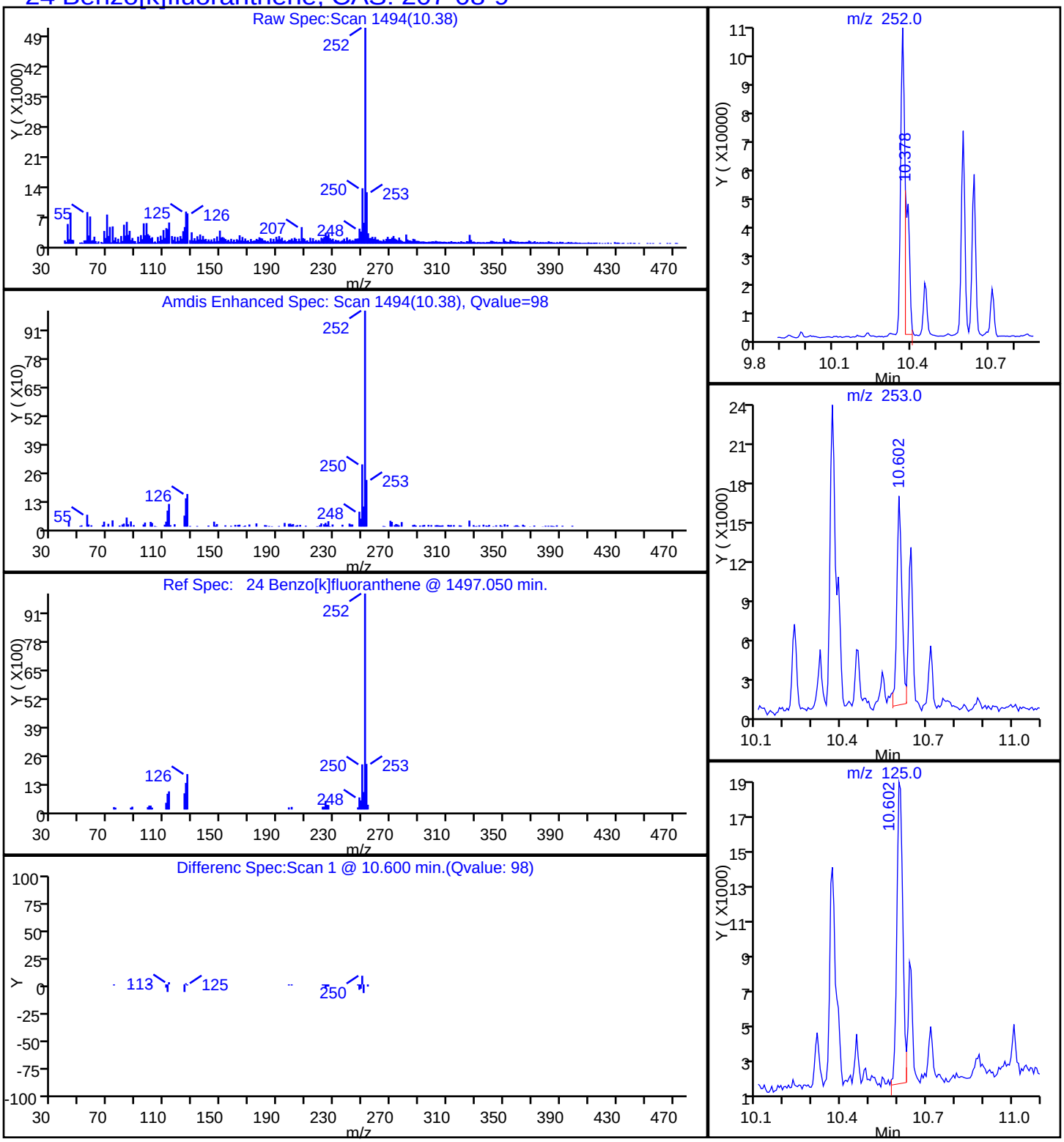


Report Date: 07-Feb-2015 08:53:24 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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 Benzo[k]fluoranthene, CAS: 207-08-9

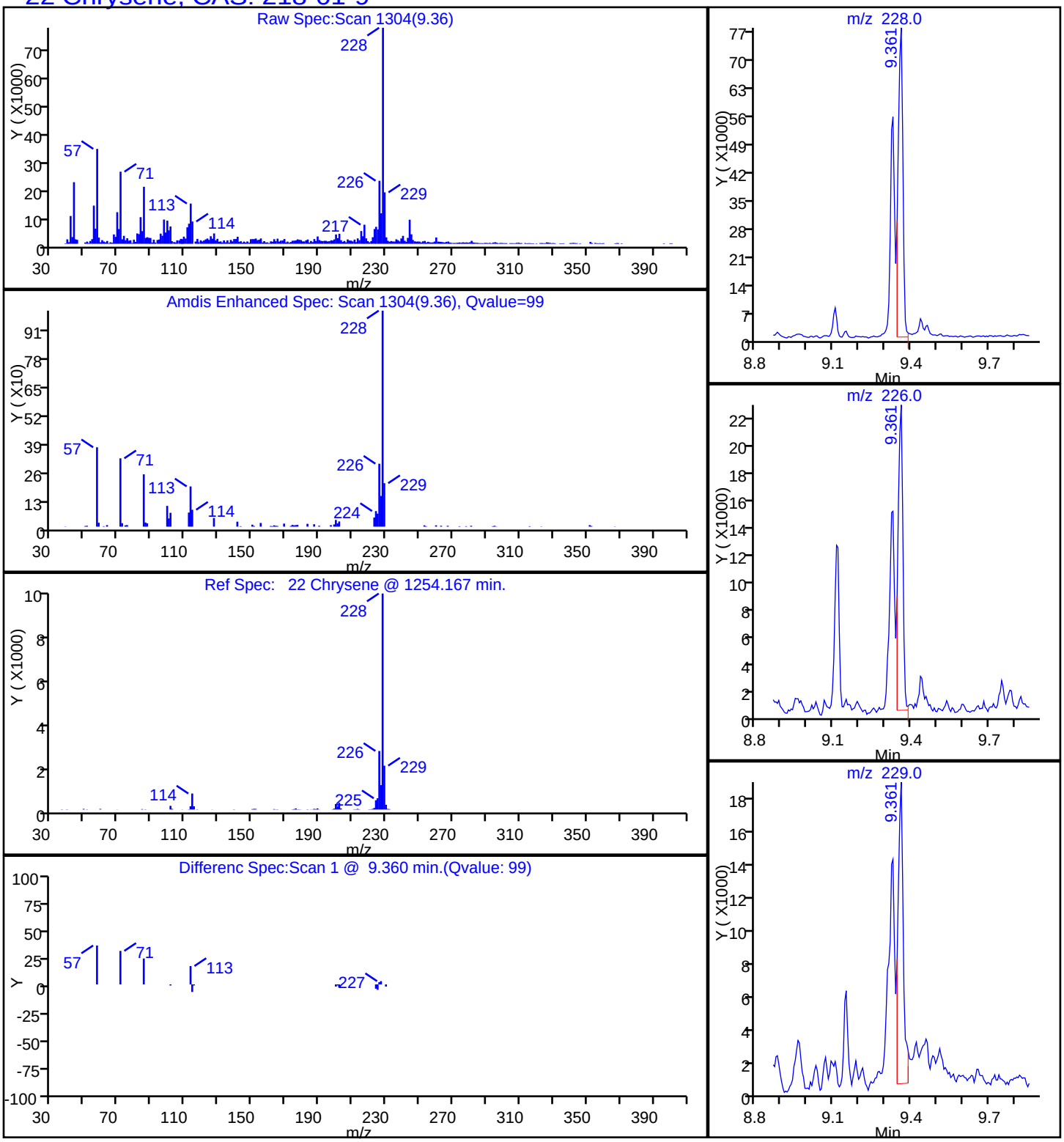


Report Date: 07-Feb-2015 08:53:24 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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 Chrysene, CAS: 218-01-9

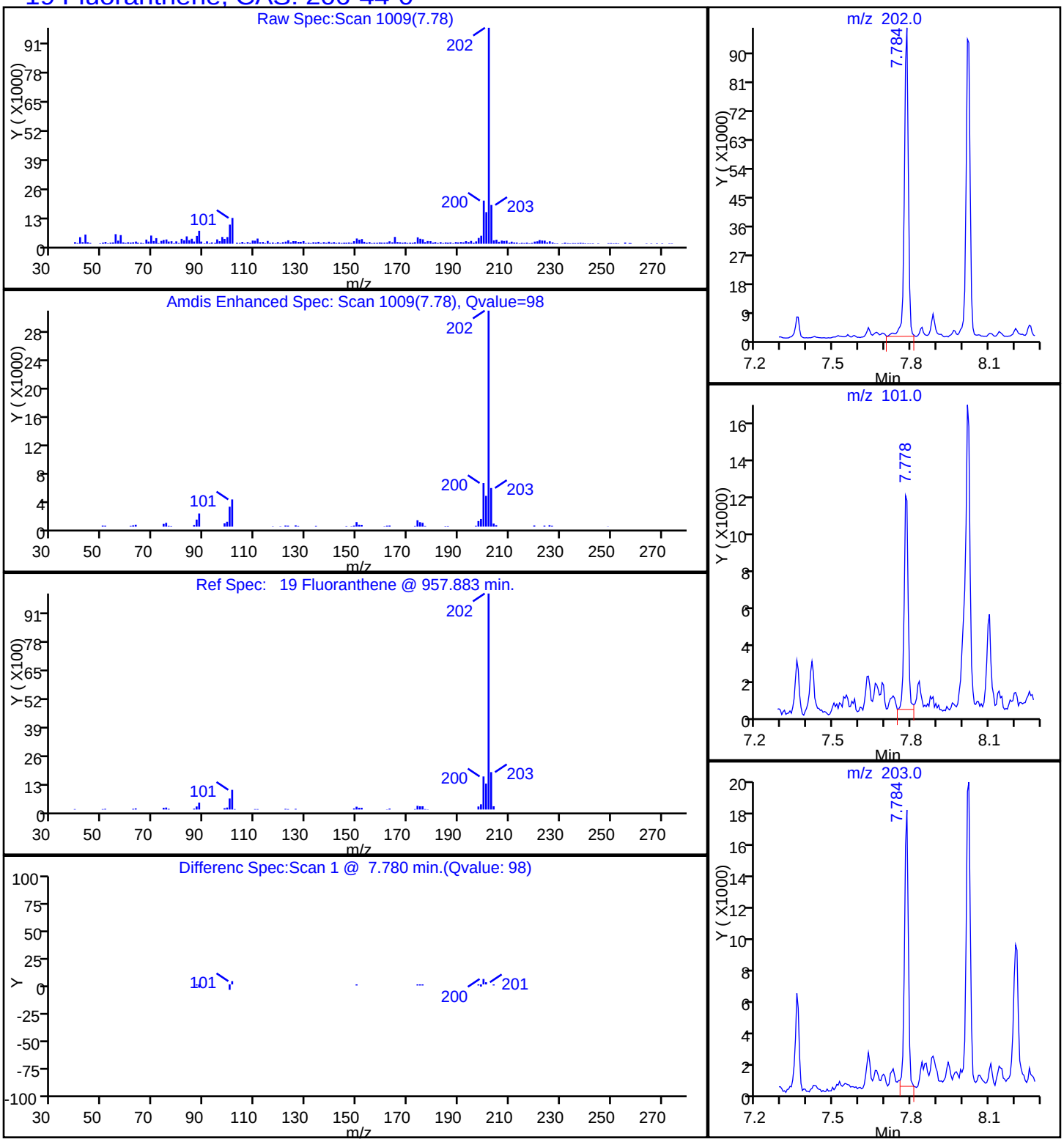


Report Date: 07-Feb-2015 08:53:23 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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 Fluoranthene, CAS: 206-44-0

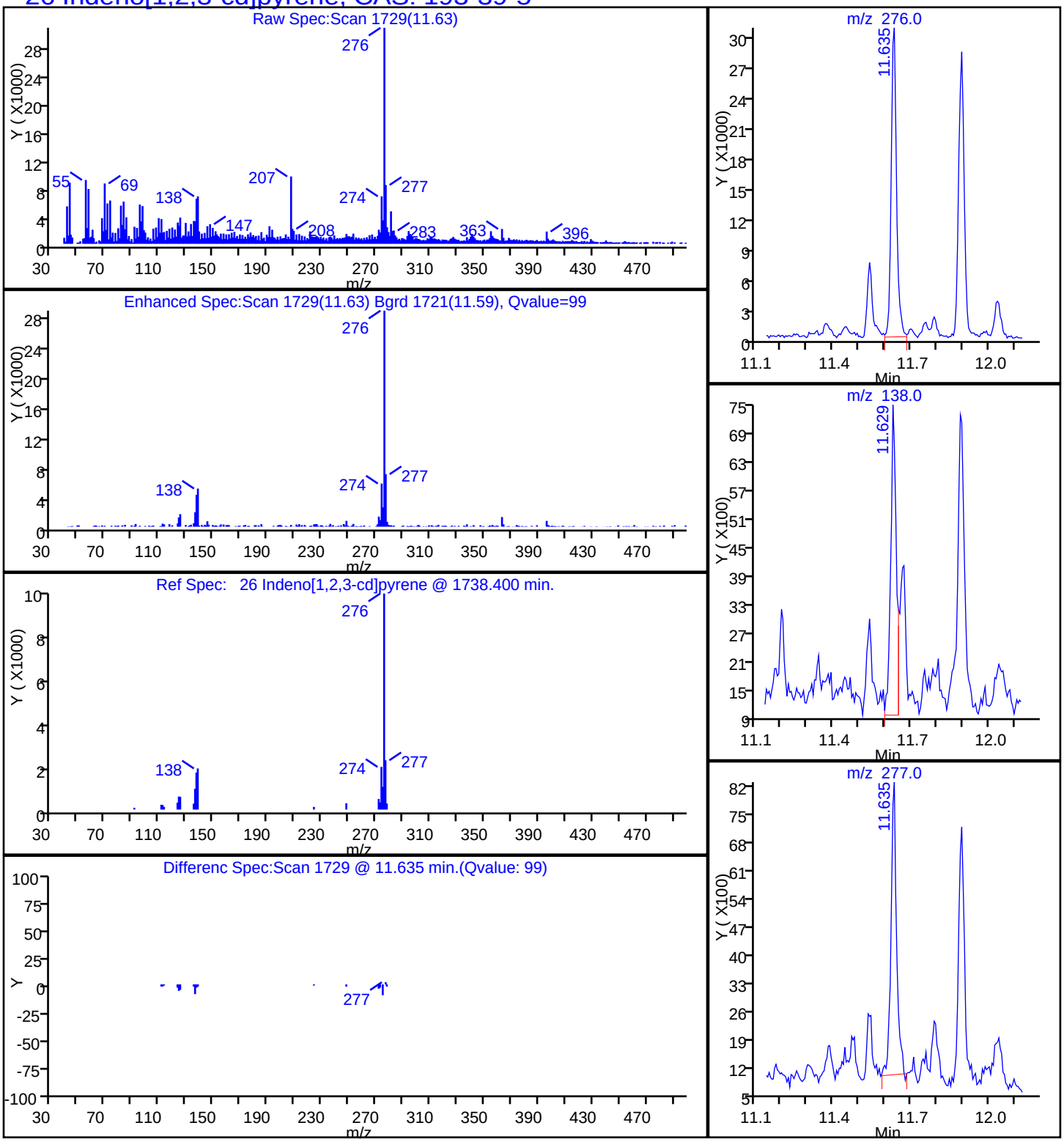


Report Date: 07-Feb-2015 08:53:24 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

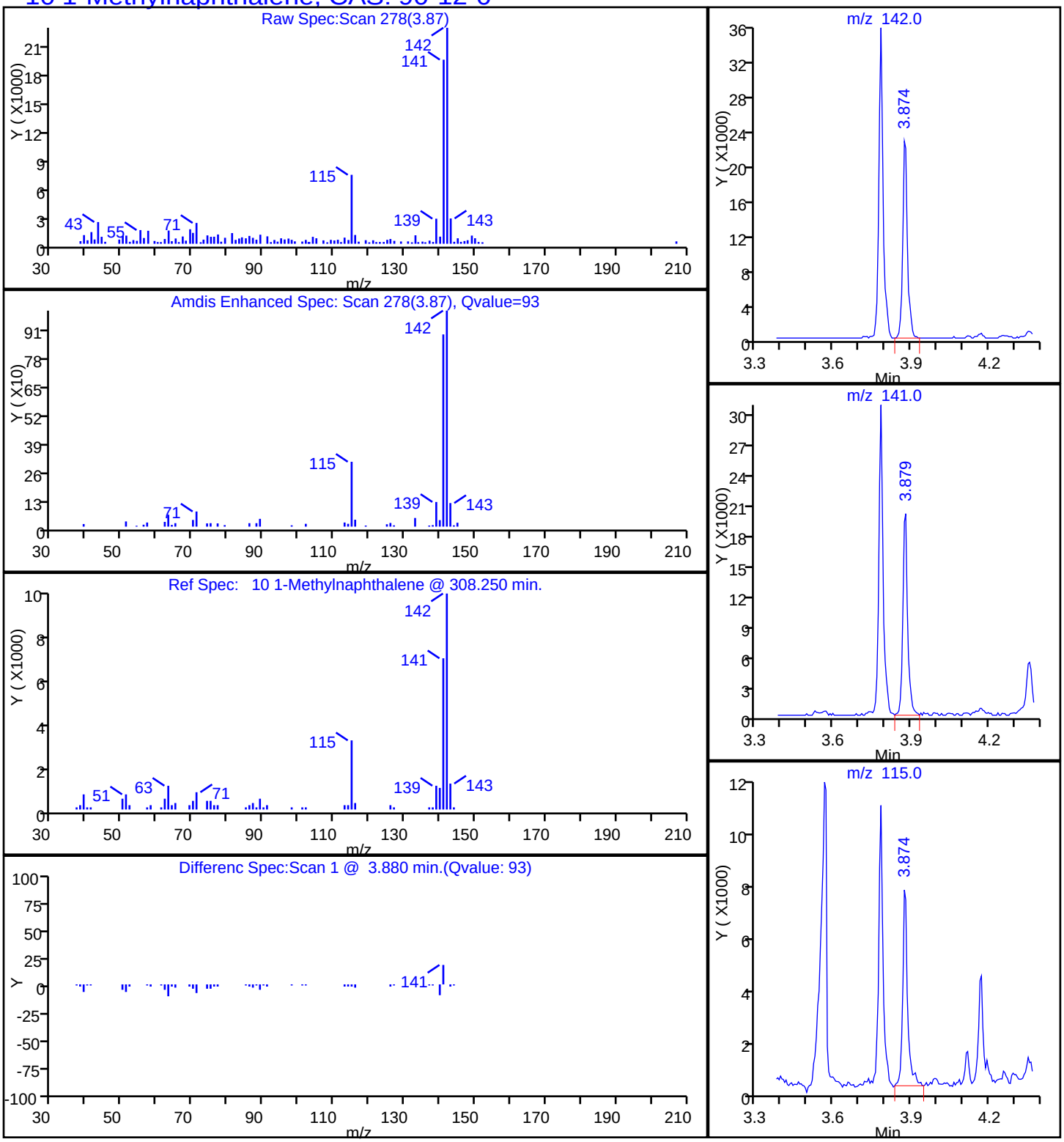


Report Date: 07-Feb-2015 08:53:23 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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		

10 1-Methylnaphthalene, CAS: 90-12-0

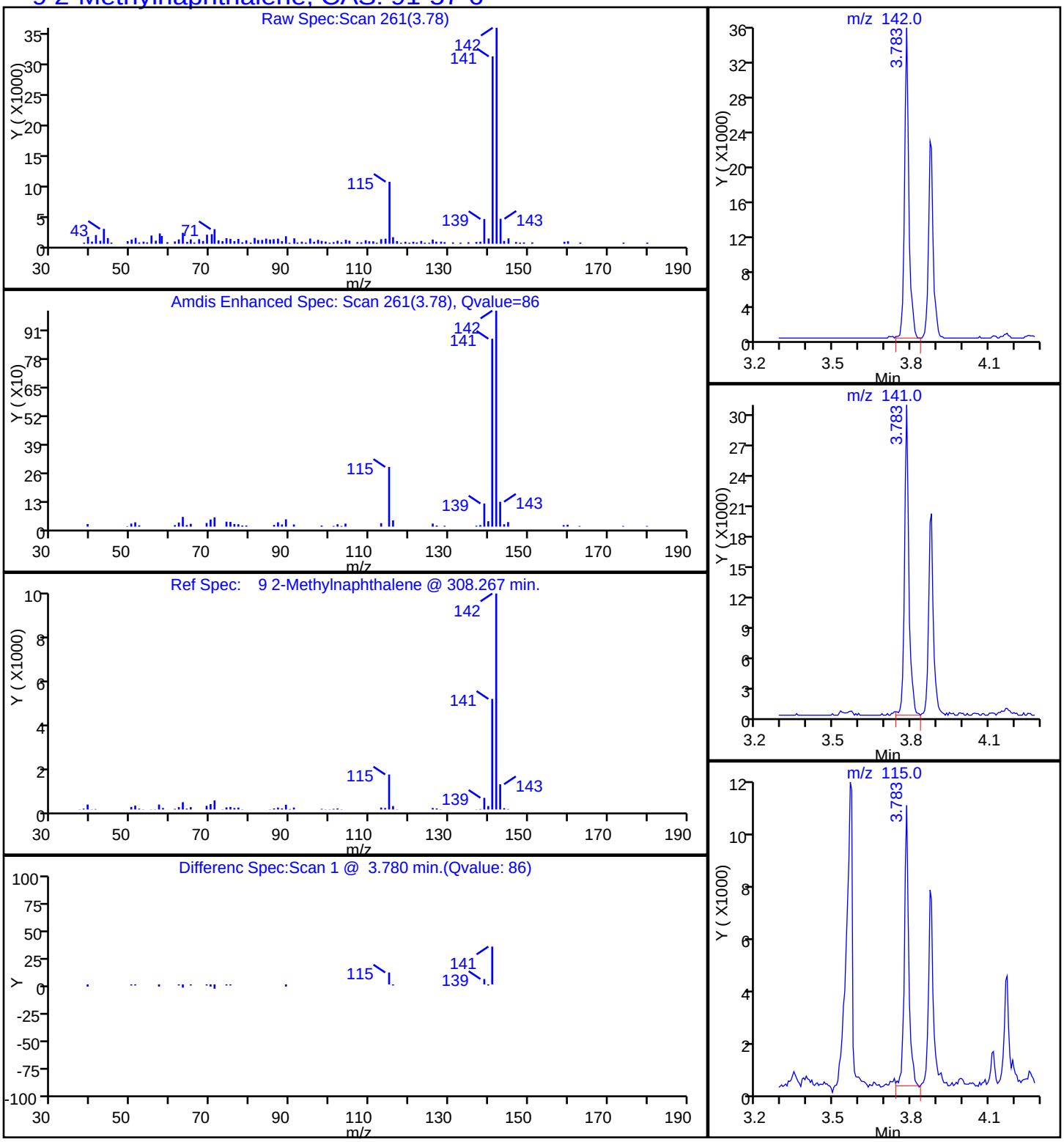


Report Date: 07-Feb-2015 08:53:23 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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 2-Methylnaphthalene, CAS: 91-57-6

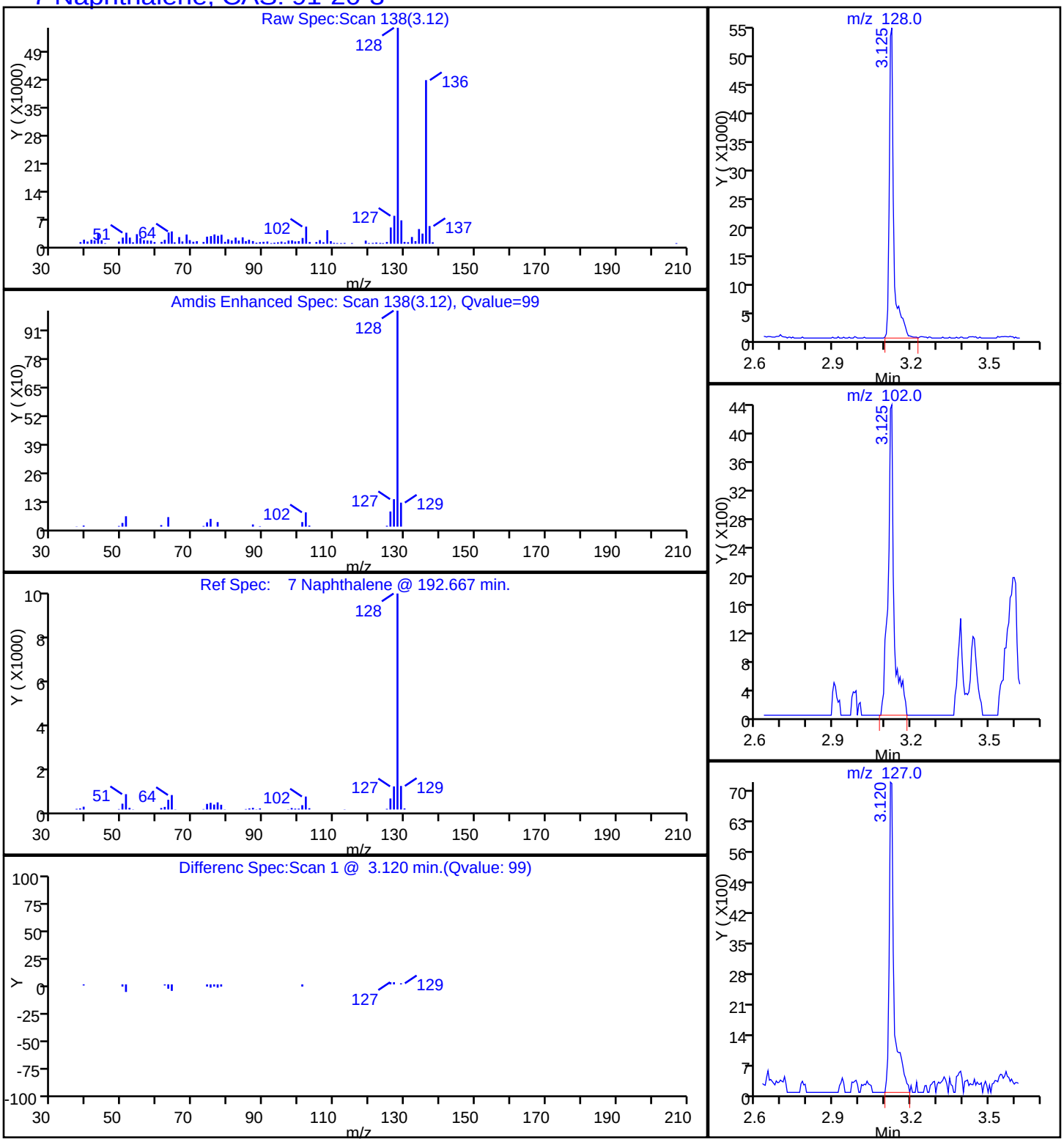


Report Date: 07-Feb-2015 08:53:23 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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

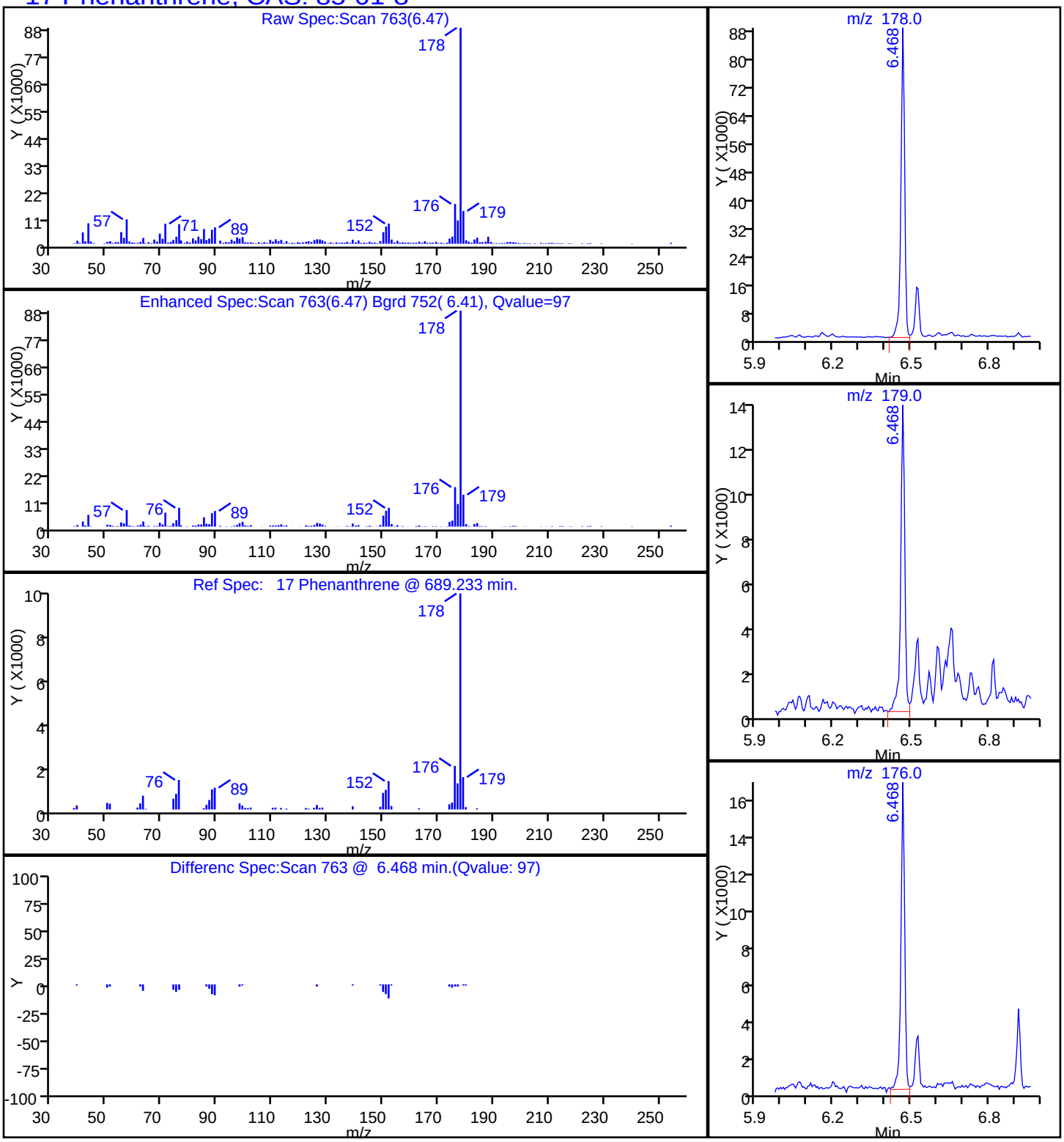


Report Date: 07-Feb-2015 08:53:23 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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 Phenanthrene, CAS: 85-01-8

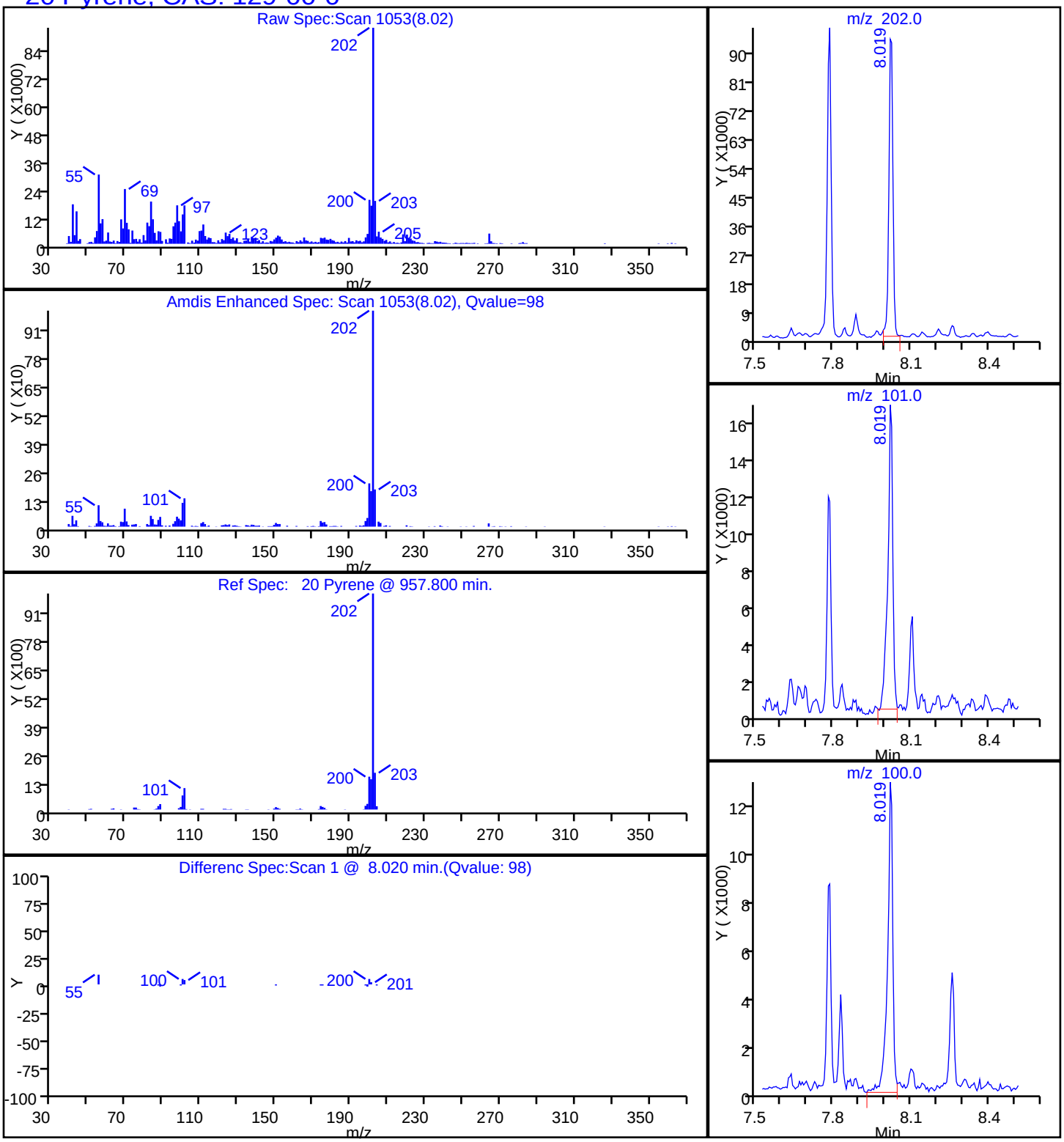


Report Date: 07-Feb-2015 08:53:23 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

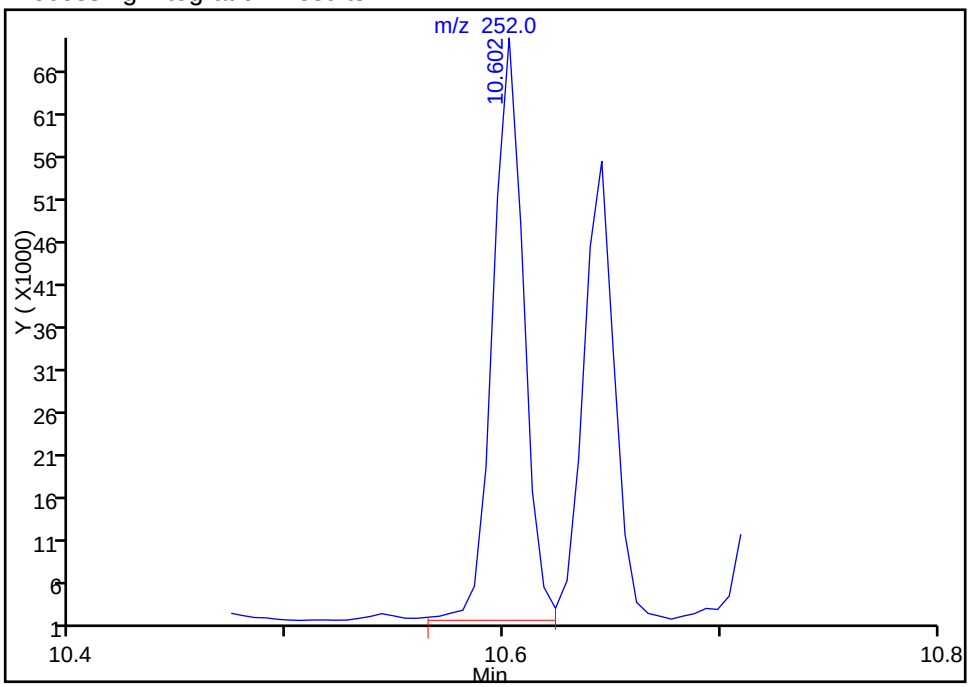
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0610.D				
Injection Date:	06-Feb-2015 19:29:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-21-A	Lab Sample ID:	680-109515-21		
Client ID:	HP0320C-CS12"				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
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 Benzo[k]fluoranthene, CAS: 207-08-9

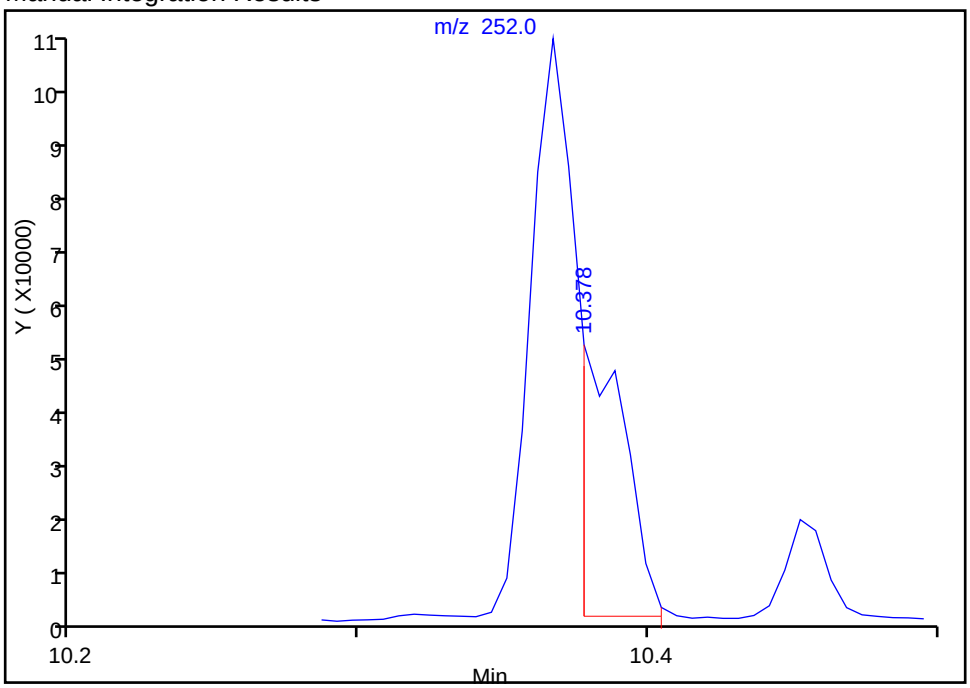
Processing Integration Results

RT: 10.60
Area: 67731
Amount: 0.333569
Amount Units: ug/ml



Manual Integration Results

RT: 10.38
Area: 54783
Amount: 0.269801
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:36:39
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320C-CS18" | Lab Sample ID: 680-109515-22

Matrix: Solid | Lab File ID: 2YB0611.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 10:15

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.14(g) | Date Analyzed: 02/06/2015 19:51

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

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

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

Analysis Batch No.: 369958 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.1	U	8.1	4.0
208-96-8	Acenaphthylene	8.1	U	8.1	4.0
120-12-7	Anthracene	8.1	U	8.1	4.0
56-55-3	Benzo[a]anthracene	8.1	U	8.1	4.0
50-32-8	Benzo[a]pyrene	8.1	U	8.1	1.4
205-99-2	Benzo[b]fluoranthene	8.1	U	8.1	4.0
191-24-2	Benzo[g,h,i]perylene	8.1	U	8.1	4.0
207-08-9	Benzo[k]fluoranthene	8.1	U	8.1	2.4
218-01-9	Chrysene	8.1	U	8.1	4.0
53-70-3	Dibenz(a,h)anthracene	8.1	U	8.1	4.0
206-44-0	Fluoranthene	8.1	U	8.1	4.0
86-73-7	Fluorene	8.1	U	8.1	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	8.1	U	8.1	4.0
90-12-0	1-Methylnaphthalene	8.1	U	8.1	3.7
91-57-6	2-Methylnaphthalene	8.1	U	8.1	4.0
91-20-3	Naphthalene	8.1	U	8.1	4.0
85-01-8	Phenanthrene	8.1	U	8.1	2.9
129-00-0	Pyrene	8.1	U	8.1	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	71		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0611.D				
Lims ID:	680-109515-B-22-A	Lab Sample ID:	680-109515-22		
Client ID:	HP0320C-CS18"				
Sample Type:	Client				
Inject. Date:	06-Feb-2015 19:51:30	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	109515-B-22-A				
Misc. Info.:	680-0016908-011				
Operator ID:		Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	07-Feb-2015 08:52:58	Calib Date:	03-Feb-2015 18:57:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D		

Column 1 :	Restek RXi-5Sil MS (0.25 mm)	Det: MS SCAN
Process Host:	XAWRK048	

First Level Reviewer: webbk Date: 07-Feb-2015 08:37:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.109	3.109	0.000	98	484282	2.00	
* 2 Acenaphthene-d10	164	4.842	4.842	0.000	92	291889	2.00	
* 3 Phenanthrene-d10	188	6.441	6.436	0.005	98	507842	2.00	
* 4 Chrysene-d12	240	9.335	9.324	0.011	99	466282	2.00	
* 5 Perylene-d12	264	10.693	10.677	0.016	99	365870	2.00	
$ 6 o-Terphenyl	230	6.917	6.912	0.005	91	195367	1.41	
17 Phenanthrene	178	6.468	6.462	0.006	71	14987	0.0478	7
18 Anthracene	178	6.521	6.521	0.000	60	2429	0.008124	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

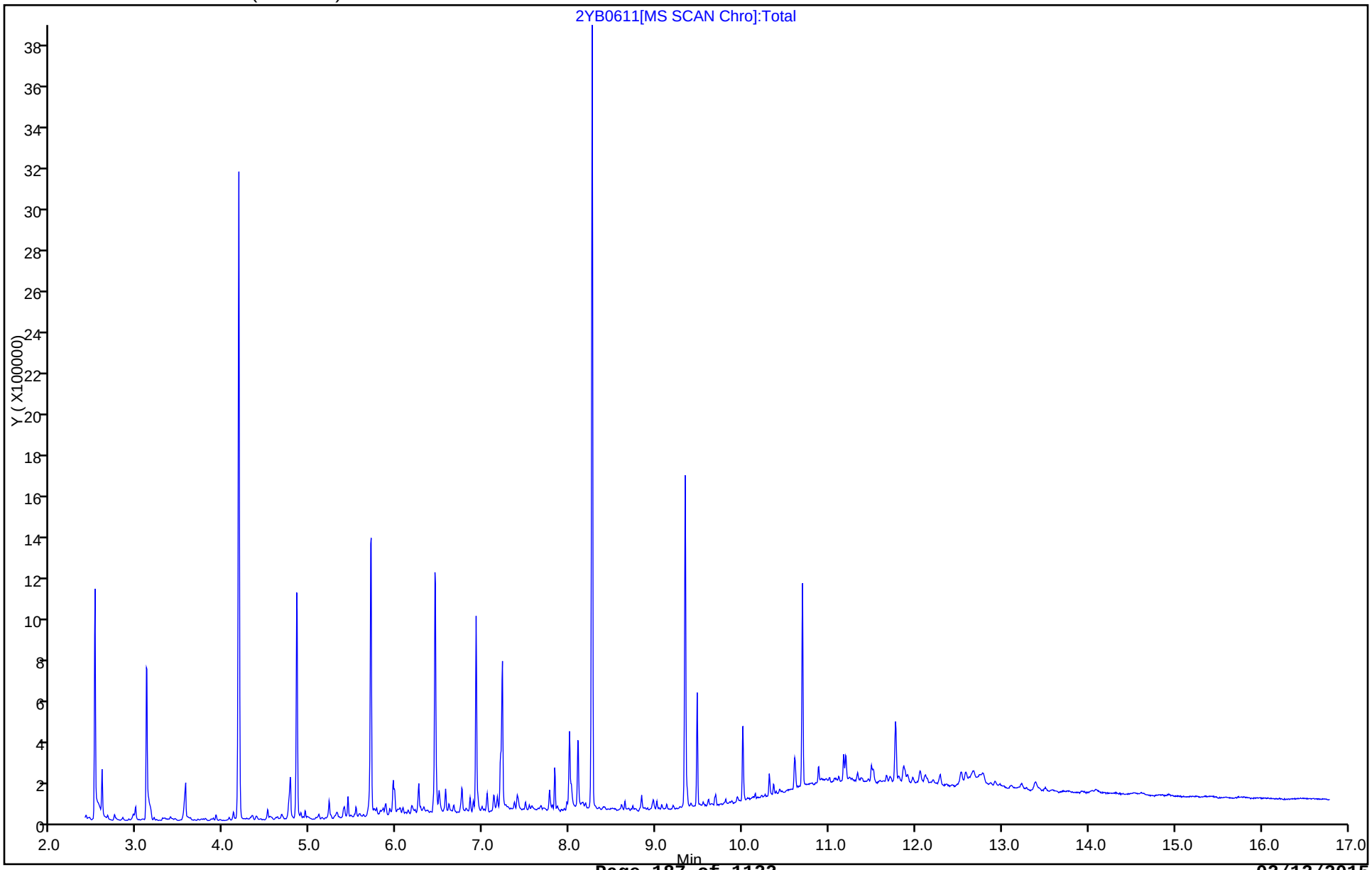
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 08:53:25 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0611.D				
Injection Date:	06-Feb-2015 19:51:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-B-22-A	Lab Sample ID:	680-109515-22	Worklist Smp#:	11
Client ID:	HP0320C-CS18"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
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.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320C-CS24" | Lab Sample ID: 680-109515-23

Matrix: Solid | Lab File ID: 2YB0612.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 10:20

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 29.91(g) | Date Analyzed: 02/06/2015 20:13

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

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

% Moisture: 17.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369958 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.1	U	8.1	4.0
208-96-8	Acenaphthylene	8.1	U	8.1	4.0
120-12-7	Anthracene	8.1	U	8.1	4.0
56-55-3	Benzo[a]anthracene	8.1	U	8.1	4.0
50-32-8	Benzo[a]pyrene	2.6	J	8.1	1.5
205-99-2	Benzo[b]fluoranthene	5.2	J	8.1	4.0
191-24-2	Benzo[g,h,i]perylene	8.1	U	8.1	4.0
207-08-9	Benzo[k]fluoranthene	8.1	U	8.1	2.4
218-01-9	Chrysene	8.1	U	8.1	4.0
53-70-3	Dibenz(a,h)anthracene	8.1	U	8.1	4.0
206-44-0	Fluoranthene	8.1	U	8.1	4.0
86-73-7	Fluorene	8.1	U	8.1	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	8.1	U	8.1	4.0
90-12-0	1-Methylnaphthalene	8.1	U	8.1	3.8
91-57-6	2-Methylnaphthalene	8.1	U	8.1	4.0
91-20-3	Naphthalene	8.1	U	8.1	4.0
85-01-8	Phenanthrene	8.1	U	8.1	2.9
129-00-0	Pyrene	8.1	U	8.1	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	71		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0612.D				
Lims ID:	680-109515-A-23-A	Lab Sample ID:	680-109515-23		
Client ID:	HP0320C-CS24"				
Sample Type:	Client				
Inject. Date:	06-Feb-2015 20:13:30	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	109515-A-23-A				
Misc. Info.:	680-0016908-012				
Operator ID:		Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	07-Feb-2015 08:52:58	Calib Date:	03-Feb-2015 18:57:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D		

Column 1 :	Restek RXi-5Sil MS (0.25 mm)	Det: MS SCAN
Process Host:	XAWRK048	

First Level Reviewer: webbk Date: 07-Feb-2015 08:38:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.104	3.109	-0.005	98	481931	2.00	
* 2 Acenaphthene-d10	164	4.842	4.842	0.000	92	284918	2.00	
* 3 Phenanthrene-d10	188	6.447	6.436	0.011	98	495710	2.00	
* 4 Chrysene-d12	240	9.335	9.324	0.011	99	438786	2.00	
* 5 Perylene-d12	264	10.693	10.677	0.016	99	317892	2.00	
$ 6 o-Terphenyl	230	6.917	6.912	0.005	92	185791	1.43	
20 Pyrene	202	8.019	8.014	0.005	98	16350	0.0555	
21 Benzo[a]anthracene	228	9.324	9.319	0.005	49	11162	0.0413	7
22 Chrysene	228	9.356	9.356	0.000	98	18068	0.0809	
23 Benzo[b]fluoranthene	252	10.362	10.356	0.006	98	27120	0.1294	
24 Benzo[k]fluoranthene	252	10.383	10.378	0.005	99	10249	0.0483	7M
25 Benzo[a]pyrene	252	10.640	10.634	0.006	97	11773	0.0637	

QC Flag Legend

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

Reagents:

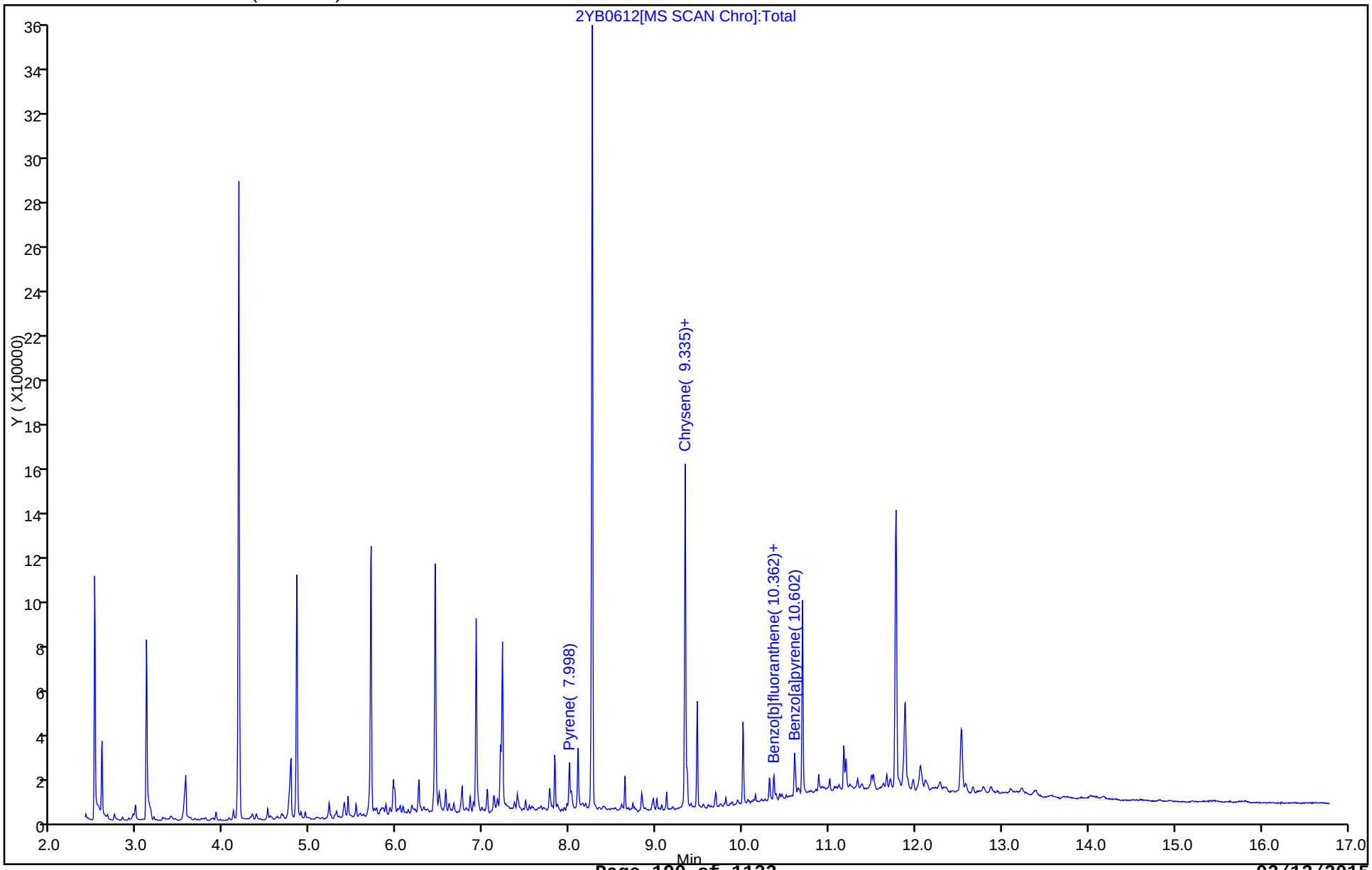
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 08:53:25 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0612.D				
Injection Date:	06-Feb-2015 20:13:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-A-23-A	Lab Sample ID:	680-109515-23	Worklist Smp#:	12
Client ID:	HP0320C-CS24"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

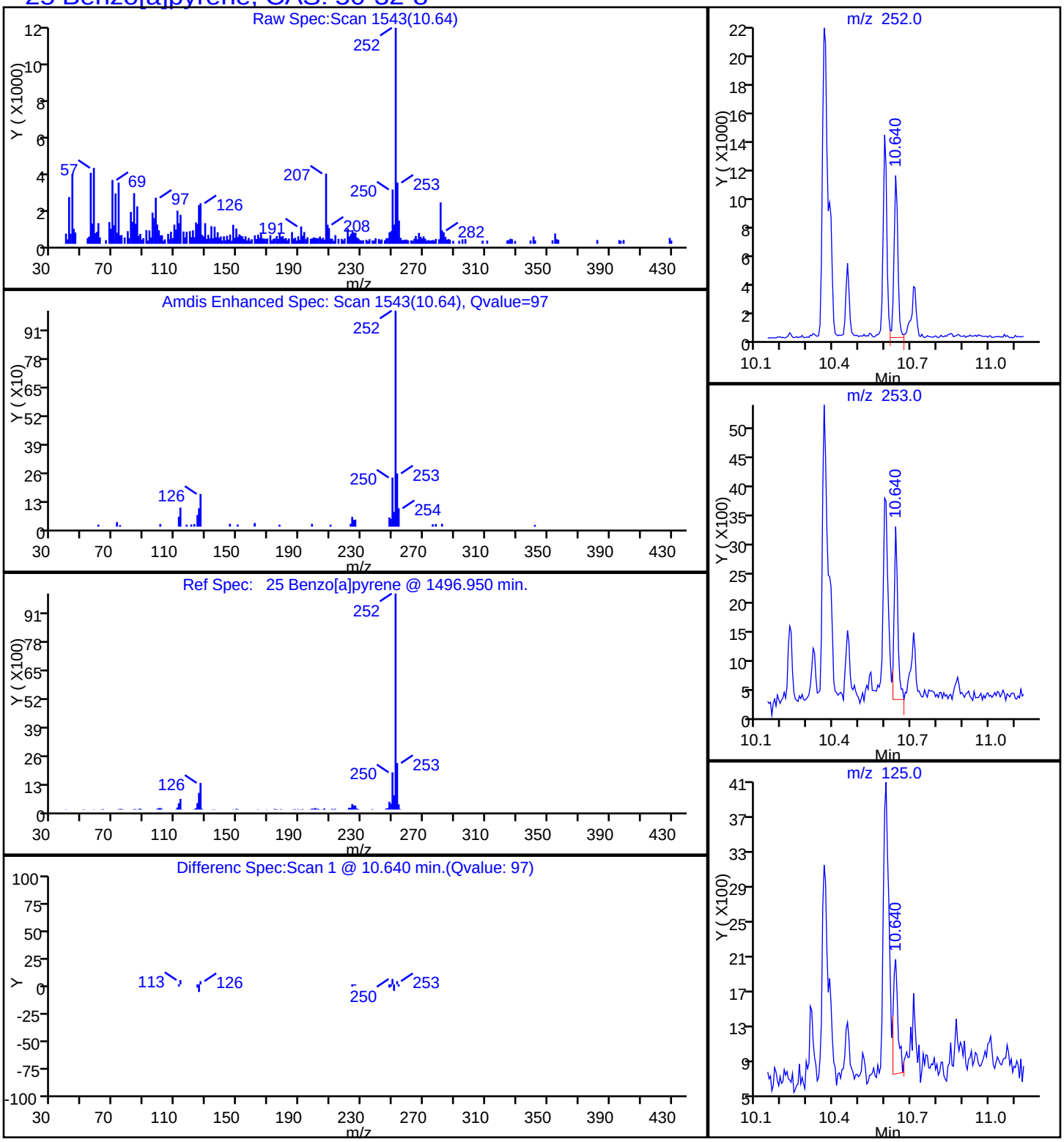


Report Date: 07-Feb-2015 08:53:25 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0612.D				
Injection Date:	06-Feb-2015 20:13:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-23-A	Lab Sample ID:	680-109515-23		
Client ID:	HP0320C-CS24"				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
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 Benzo[a]pyrene, CAS: 50-32-8

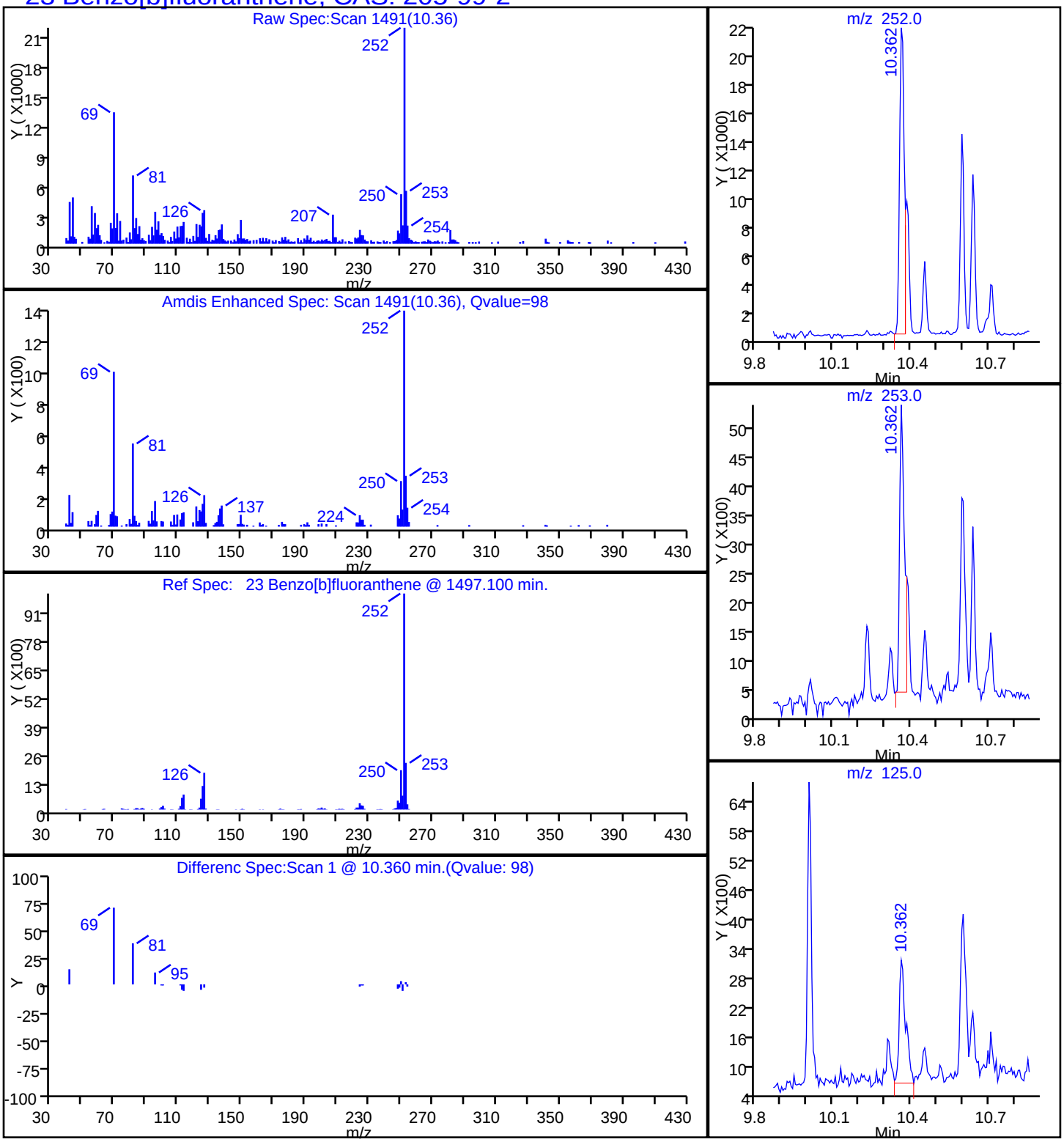


Report Date: 07-Feb-2015 08:53:25 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0612.D				
Injection Date:	06-Feb-2015 20:13:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-23-A	Lab Sample ID:	680-109515-23		
Client ID:	HP0320C-CS24"				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
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[b]fluoranthene, CAS: 205-99-2



Manual Integration/User Assign Peak Report

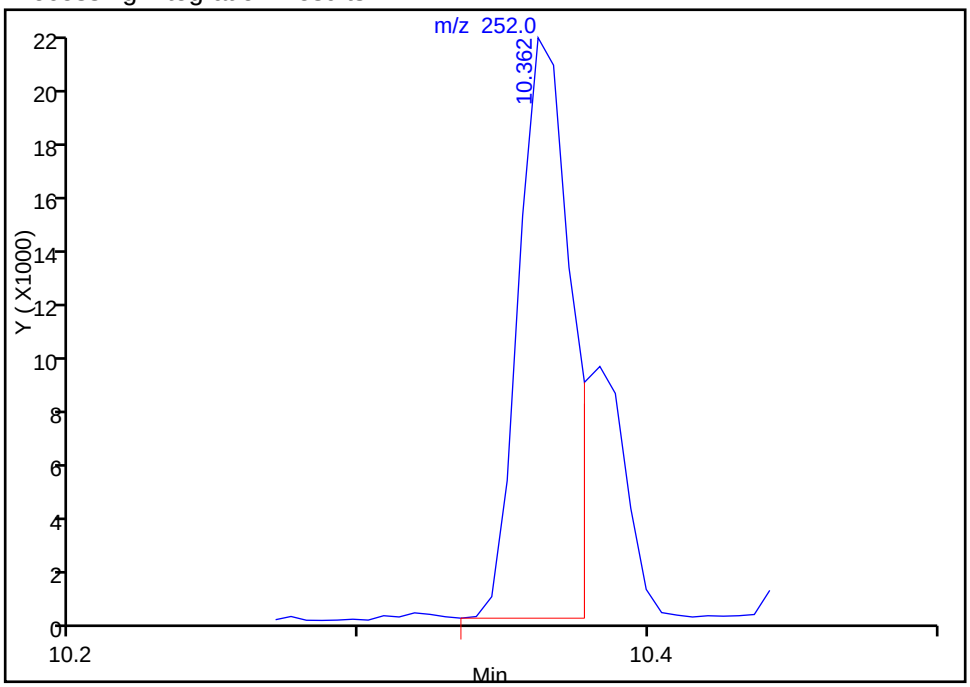
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0612.D				
Injection Date:	06-Feb-2015 20:13:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-23-A	Lab Sample ID:	680-109515-23		
Client ID:	HP0320C-CS24"				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
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 Benzo[k]fluoranthene, CAS: 207-08-9

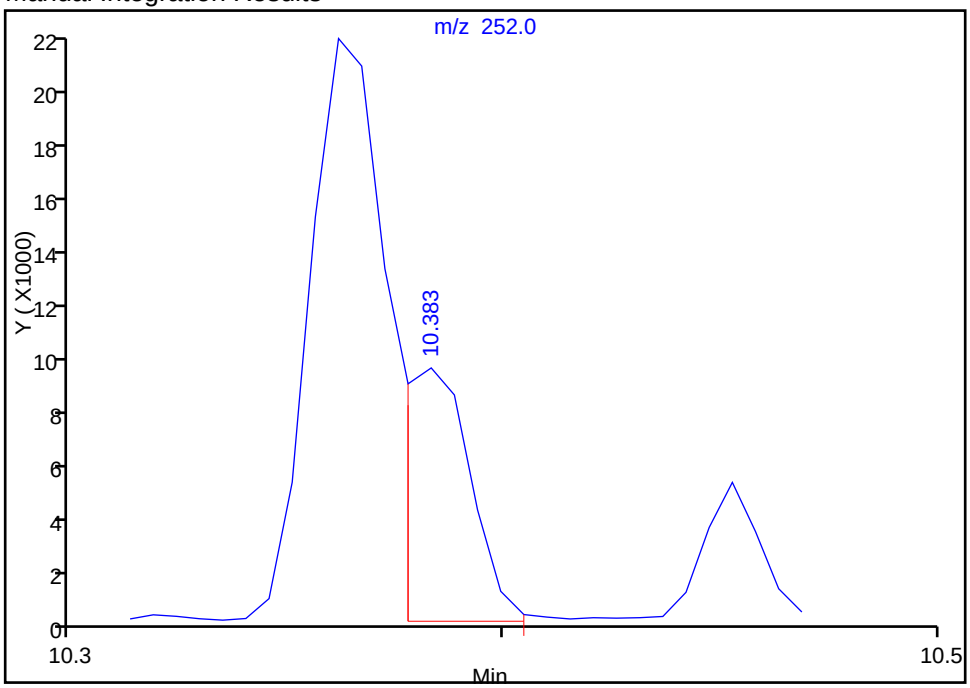
Processing Integration Results

RT: 10.36
Area: 27120
Amount: 0.127774
Amount Units: ug/ml



Manual Integration Results

RT: 10.38
Area: 10249
Amount: 0.048287
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:38:37
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320E-CS6" | Lab Sample ID: 680-109515-24

Matrix: Solid | Lab File ID: 2YB0613.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 11:20

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 29.90(g) | Date Analyzed: 02/06/2015 20:36

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

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

% Moisture: 16.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369958 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	4.8	J	8.1	4.0
208-96-8	Acenaphthylene	16		8.1	4.0
120-12-7	Anthracene	18		8.1	4.0
56-55-3	Benzo[a]anthracene	89		8.1	4.0
50-32-8	Benzo[a]pyrene	110		8.1	1.4
205-99-2	Benzo[b]fluoranthene	200		8.1	4.0
191-24-2	Benzo[g,h,i]perylene	69		8.1	4.0
207-08-9	Benzo[k]fluoranthene	65		8.1	2.4
218-01-9	Chrysene	140		8.1	4.0
53-70-3	Dibenz(a,h)anthracene	22		8.1	4.0
206-44-0	Fluoranthene	120		8.1	4.0
86-73-7	Fluorene	5.1	J	8.1	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	54		8.1	4.0
90-12-0	1-Methylnaphthalene	24		8.1	3.7
91-57-6	2-Methylnaphthalene	26		8.1	4.0
91-20-3	Naphthalene	23		8.1	4.0
85-01-8	Phenanthrene	69		8.1	2.9
129-00-0	Pyrene	140		8.1	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	87		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D
Lims ID: 680-109515-A-24-A Lab Sample ID: 680-109515-24
Client ID: HP0320E-CS6"
Sample Type: Client
Inject. Date: 06-Feb-2015 20:36:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 109515-A-24-A
Misc. Info.: 680-0016908-013
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 08:53:54 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

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

First Level Reviewer: webbk Date: 07-Feb-2015 08:39:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.104	3.109	-0.005	99	517538	2.00	
* 2 Acenaphthene-d10	164	4.842	4.842	0.000	91	305995	2.00	
* 3 Phenanthrene-d10	188	6.447	6.436	0.011	98	532331	2.00	
* 4 Chrysene-d12	240	9.346	9.324	0.022	99	424836	2.00	
* 5 Perylene-d12	264	10.704	10.677	0.027	98	320228	2.00	
$ 6 o-Terphenyl	230	6.923	6.912	0.011	89	219539	1.74	
7 Naphthalene	128	3.125	3.125	0.000	98	170705	0.5693	
9 2-Methylnaphthalene	142	3.783	3.783	0.000	78	131907	0.6406	
10 1-Methylnaphthalene	142	3.879	3.879	0.000	88	109374	0.5955	
12 Acenaphthylene	152	4.692	4.687	0.005	98	120670	0.3954	
14 Acenaphthene	153	4.874	4.874	0.000	94	23850	0.1205	
16 Fluorene	166	5.430	5.430	0.000	73	28385	0.1263	
17 Phenanthrene	178	6.473	6.462	0.011	97	567849	1.73	
18 Anthracene	178	6.527	6.521	0.006	96	139679	0.4457	
19 Fluoranthene	202	7.789	7.773	0.016	98	1024269	3.00	
20 Pyrene	202	8.030	8.014	0.016	97	1019612	3.58	
21 Benzo[a]anthracene	228	9.335	9.319	0.016	98	577216	2.21	
22 Chrysene	228	9.372	9.356	0.016	90	750956	3.42	
23 Benzo[b]fluoranthene	252	10.378	10.356	0.022	97	1052582	4.99	M
24 Benzo[k]fluoranthene	252	10.399	10.378	0.021	97	344910	1.61	M
25 Benzo[a]pyrene	252	10.656	10.634	0.022	95	512189	2.75	
26 Indeno[1,2,3-cd]pyrene	276	11.651	11.613	0.038	99	349111	1.36	
27 Dibenz(a,h)anthracene	278	11.667	11.640	0.027	31	88097	0.5378	
28 Benzo[g,h,i]perylene	276	11.918	11.875	0.043	89	306890	1.73	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

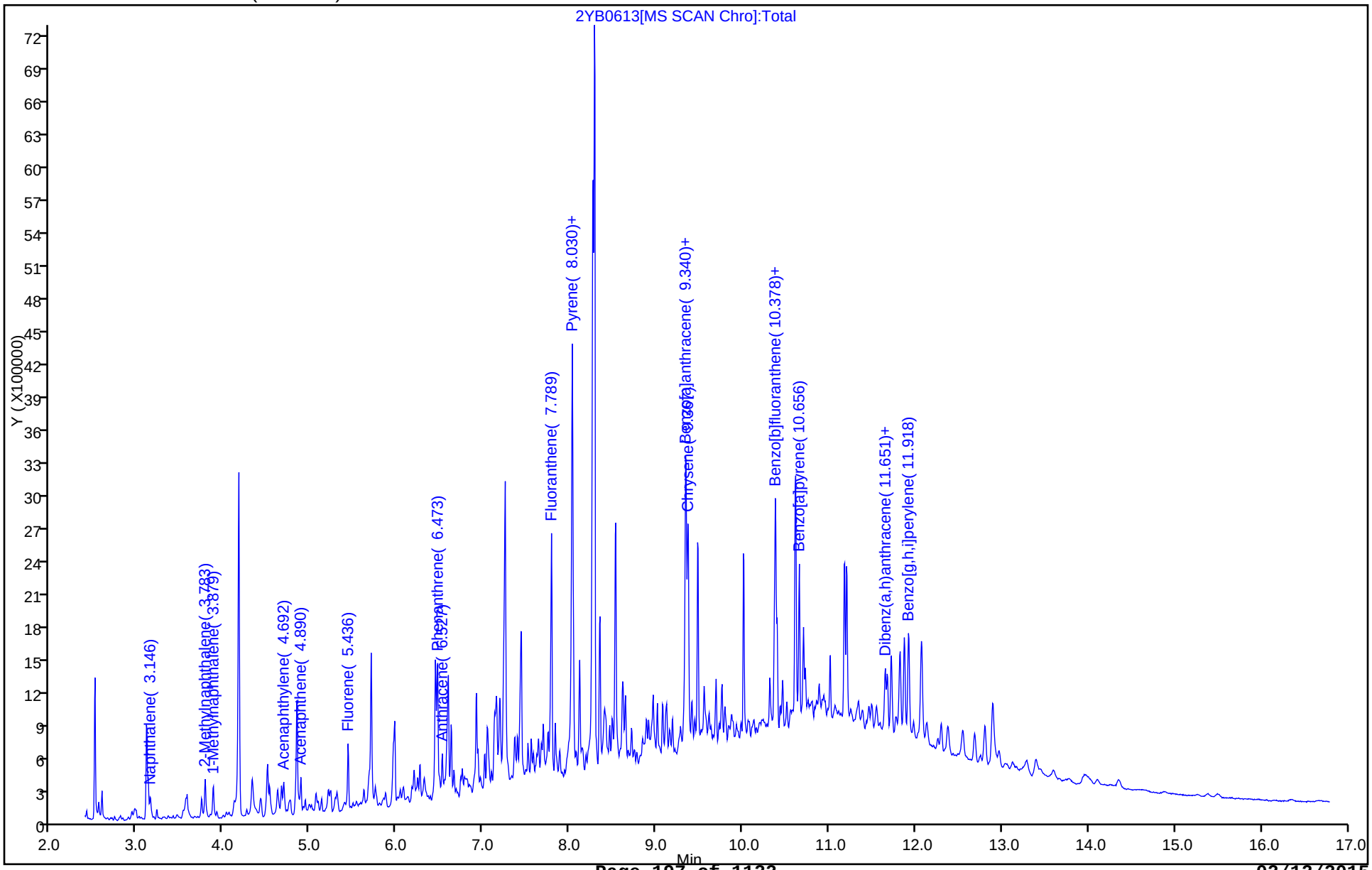
SM-LLISTD_00118	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 10-Feb-2015 11:21:06 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24	Worklist Smp#:	13
Client ID:	HP0320E-CS6"				
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)

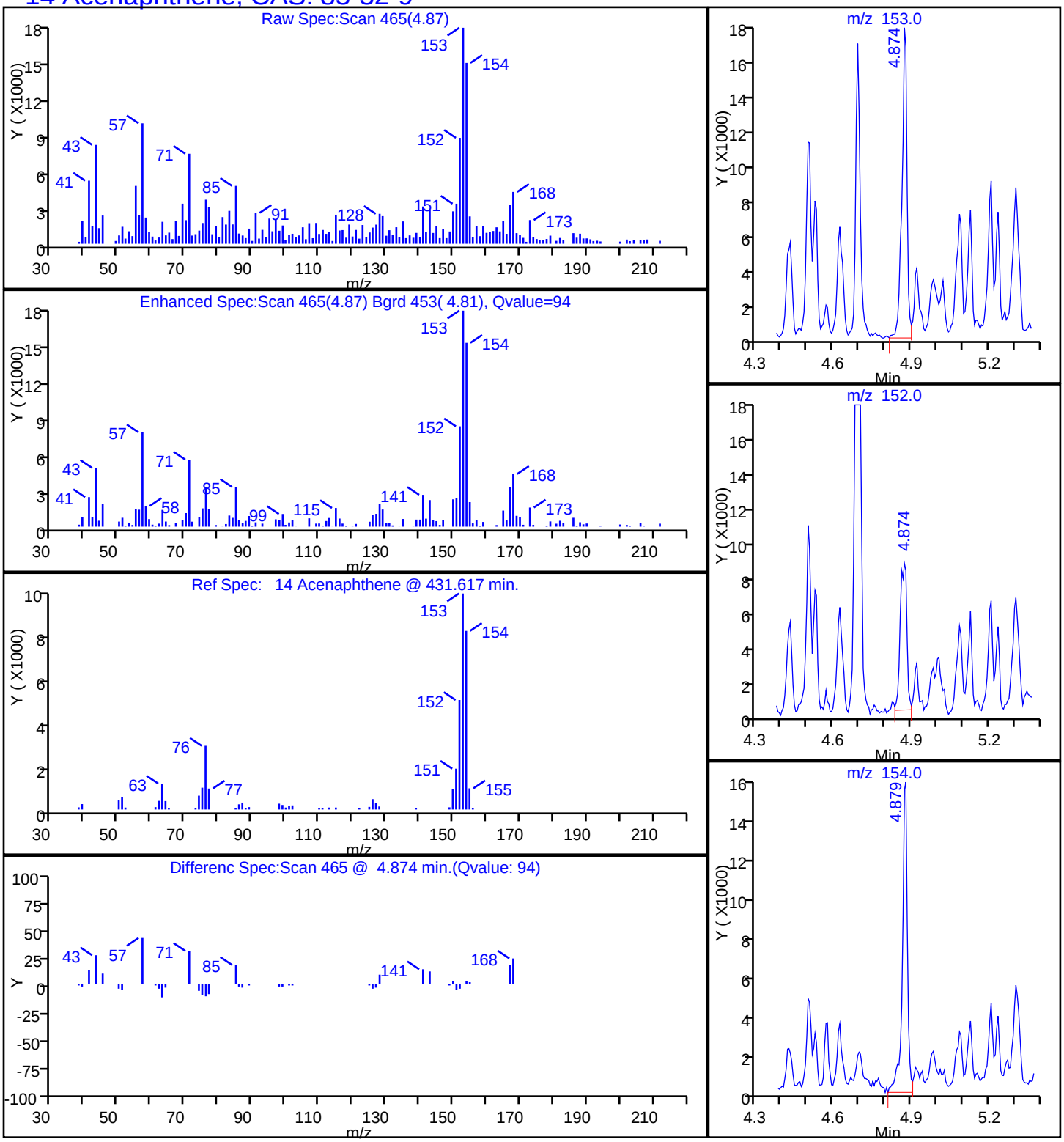


Report Date: 10-Feb-2015 11:21:06 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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		

14 Acenaphthene, CAS: 83-32-9



Report Date: 10-Feb-2015 11:21:06 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
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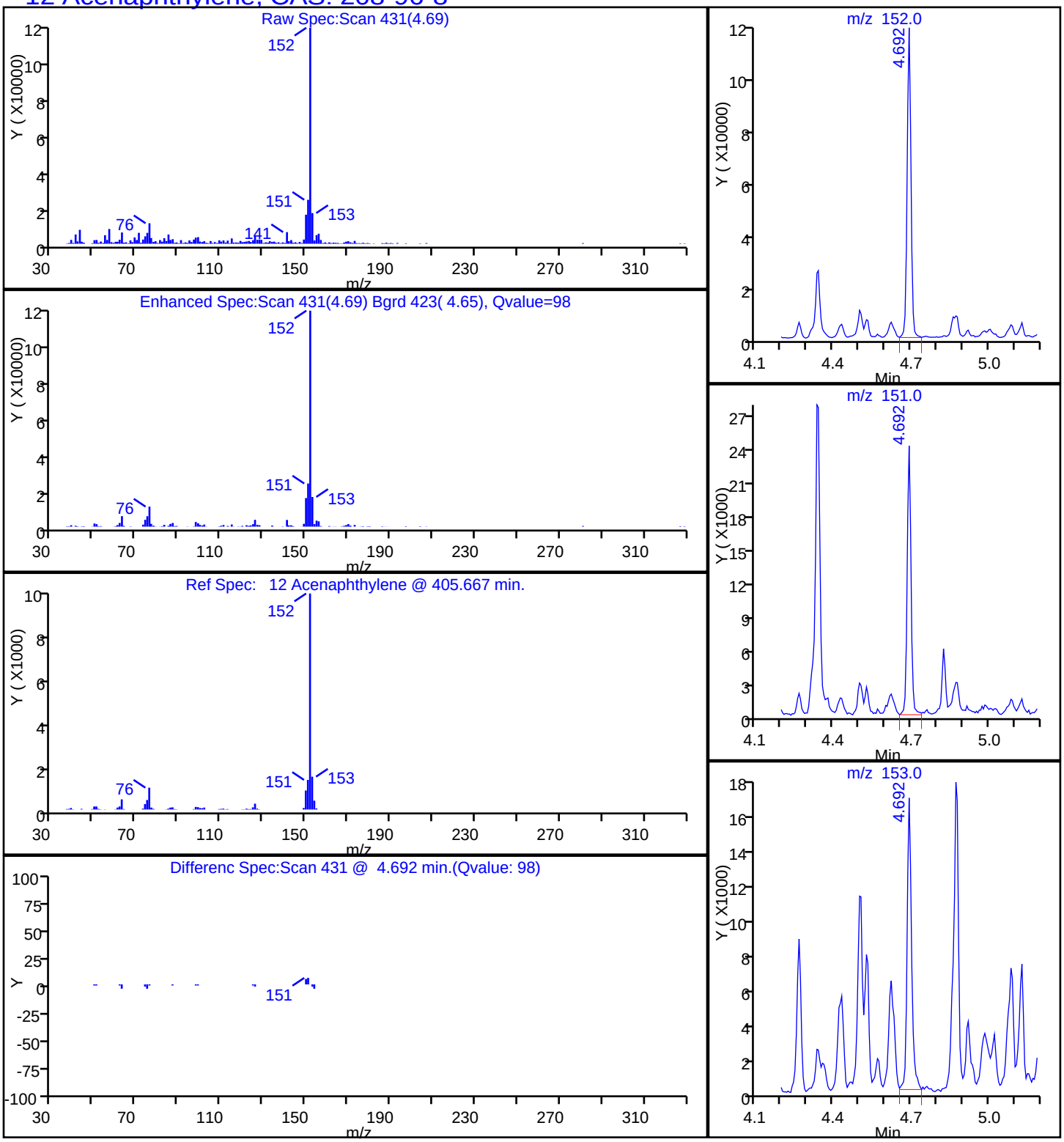
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthylene, CAS: 208-96-8



Report Date: 10-Feb-2015 11:21:06 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
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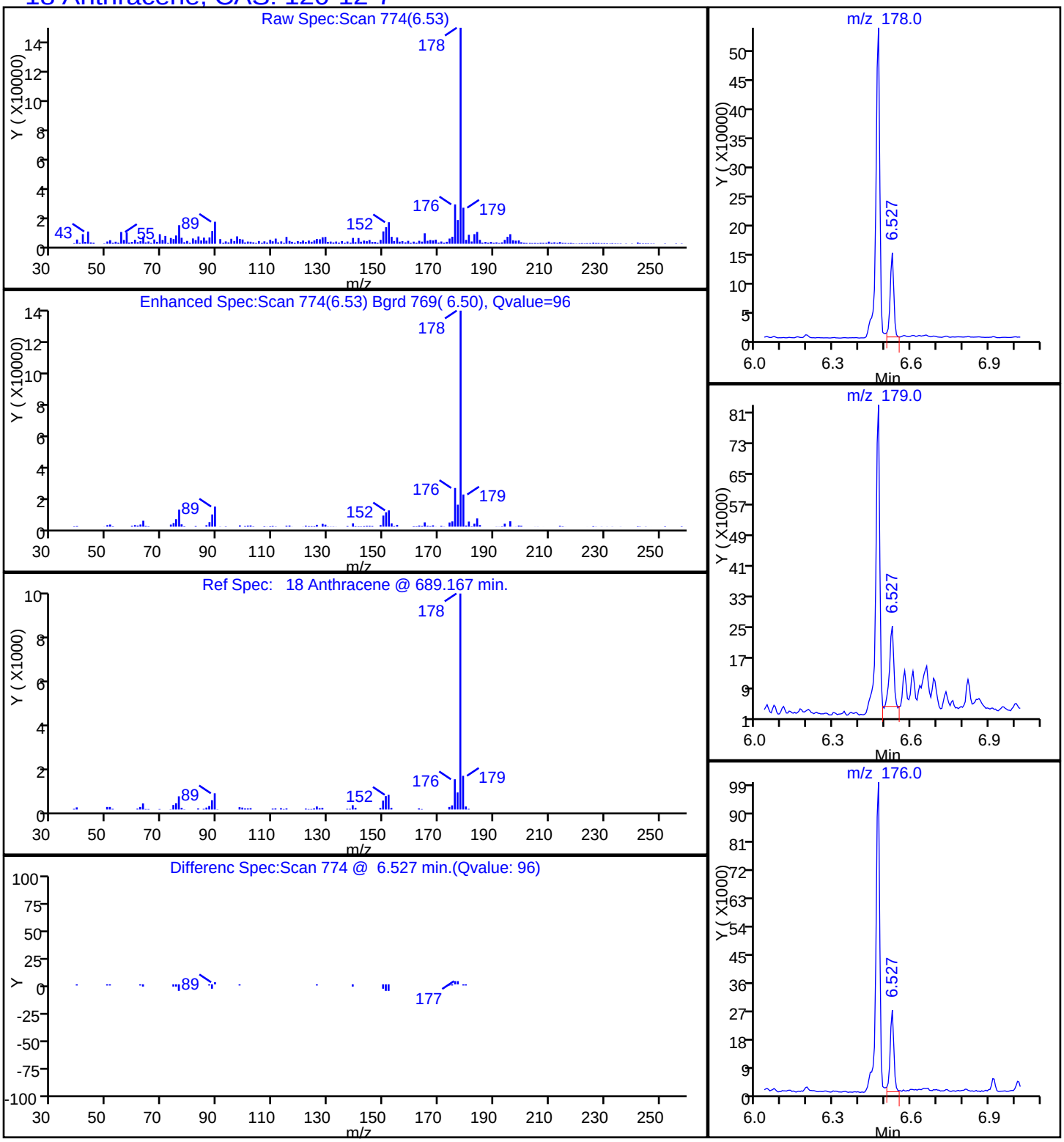
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Anthracene, CAS: 120-12-7



Report Date: 10-Feb-2015 11:21:07 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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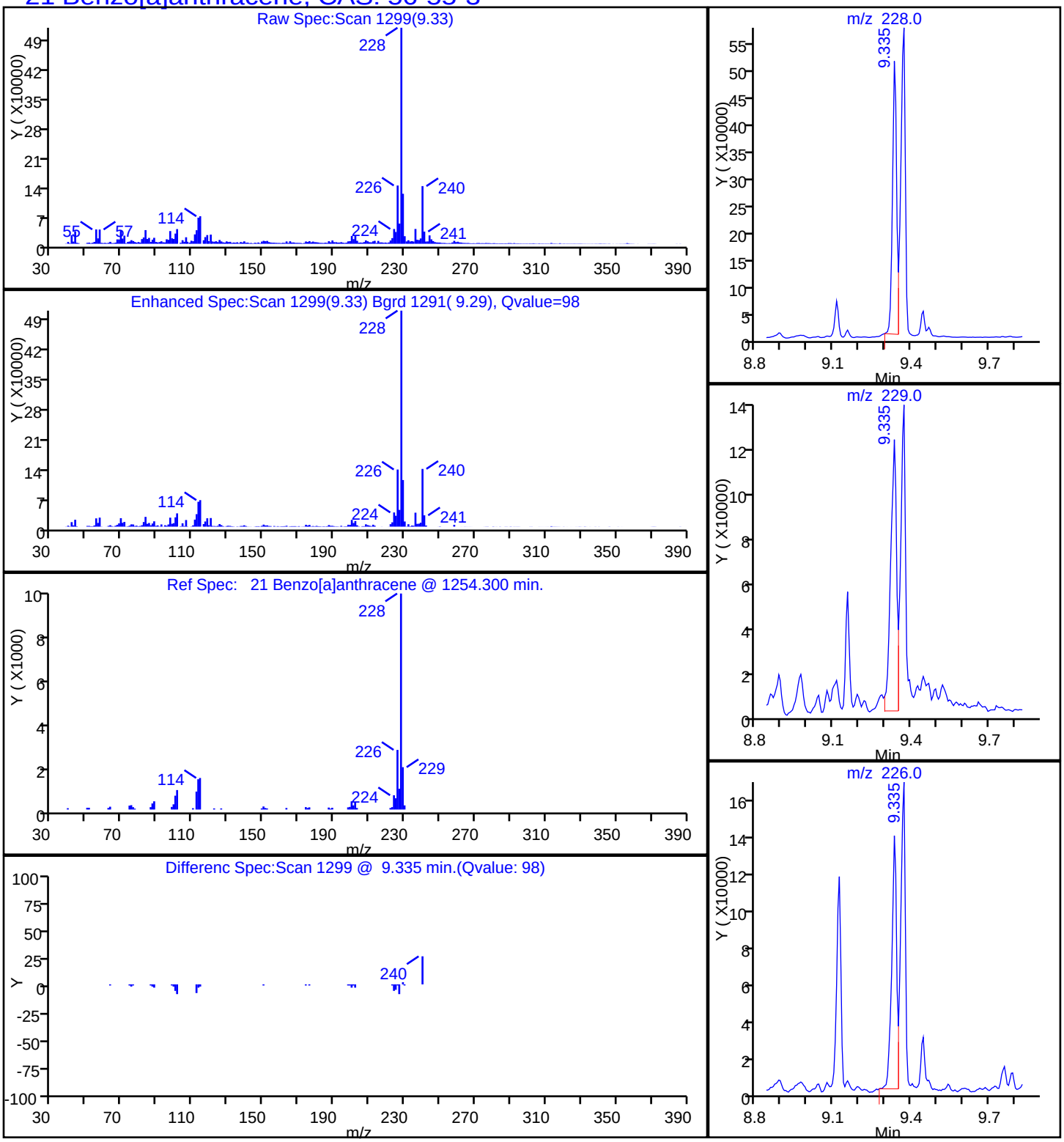
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 10-Feb-2015 11:21:07 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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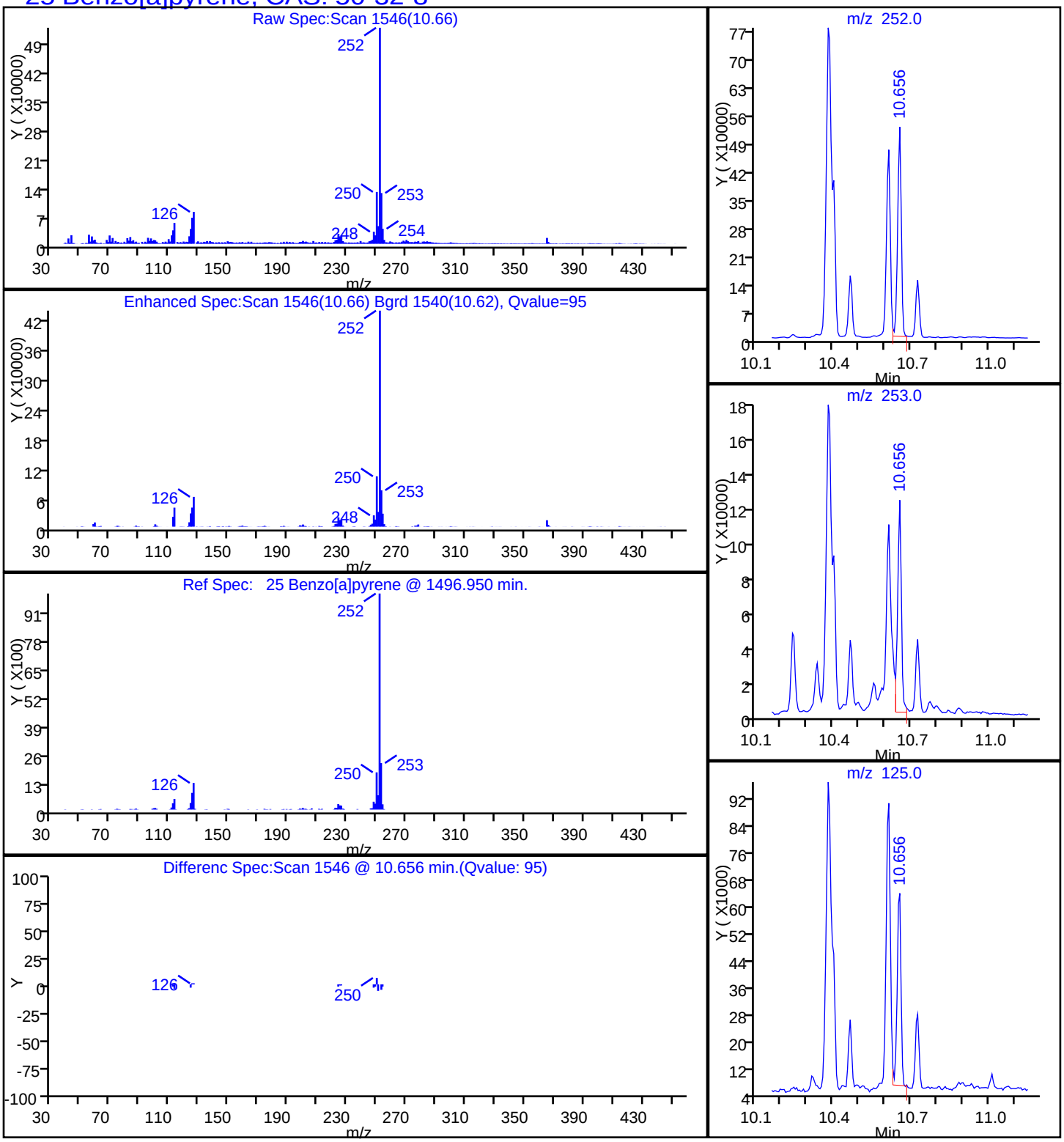
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

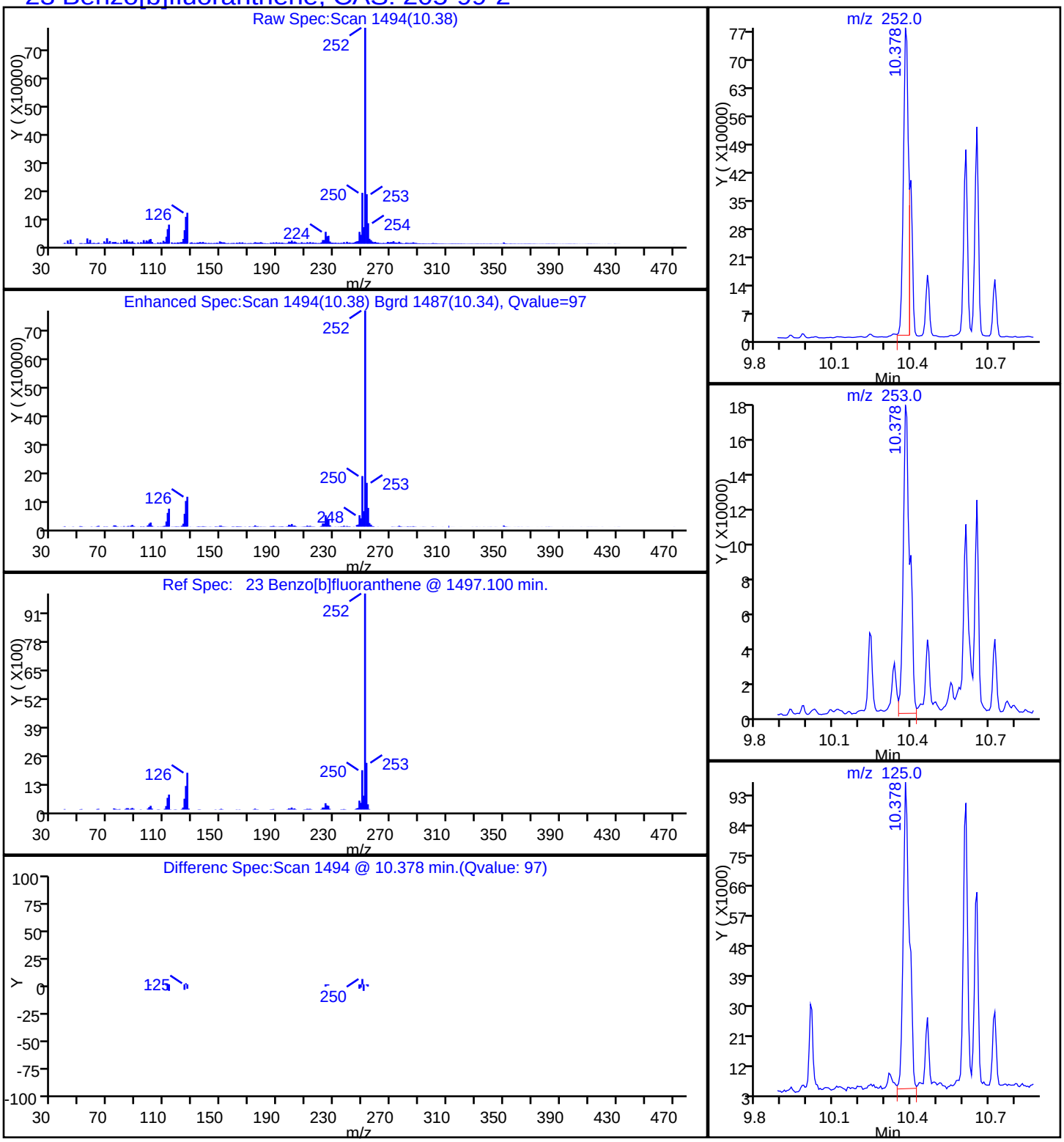


Report Date: 10-Feb-2015 11:21:07 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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[b]fluoranthene, CAS: 205-99-2



Report Date: 10-Feb-2015 11:21:07 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
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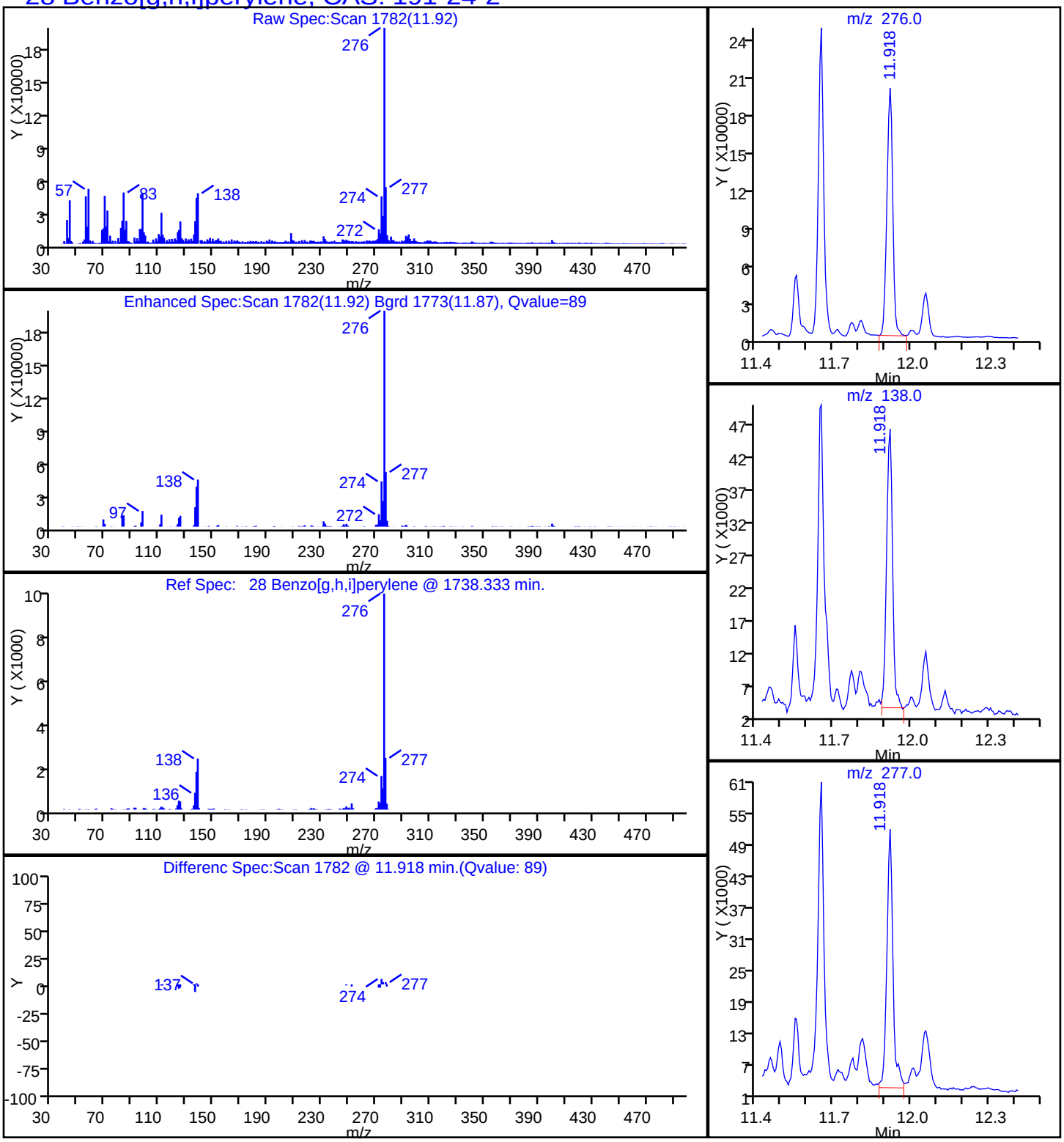
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 10-Feb-2015 11:21:07 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
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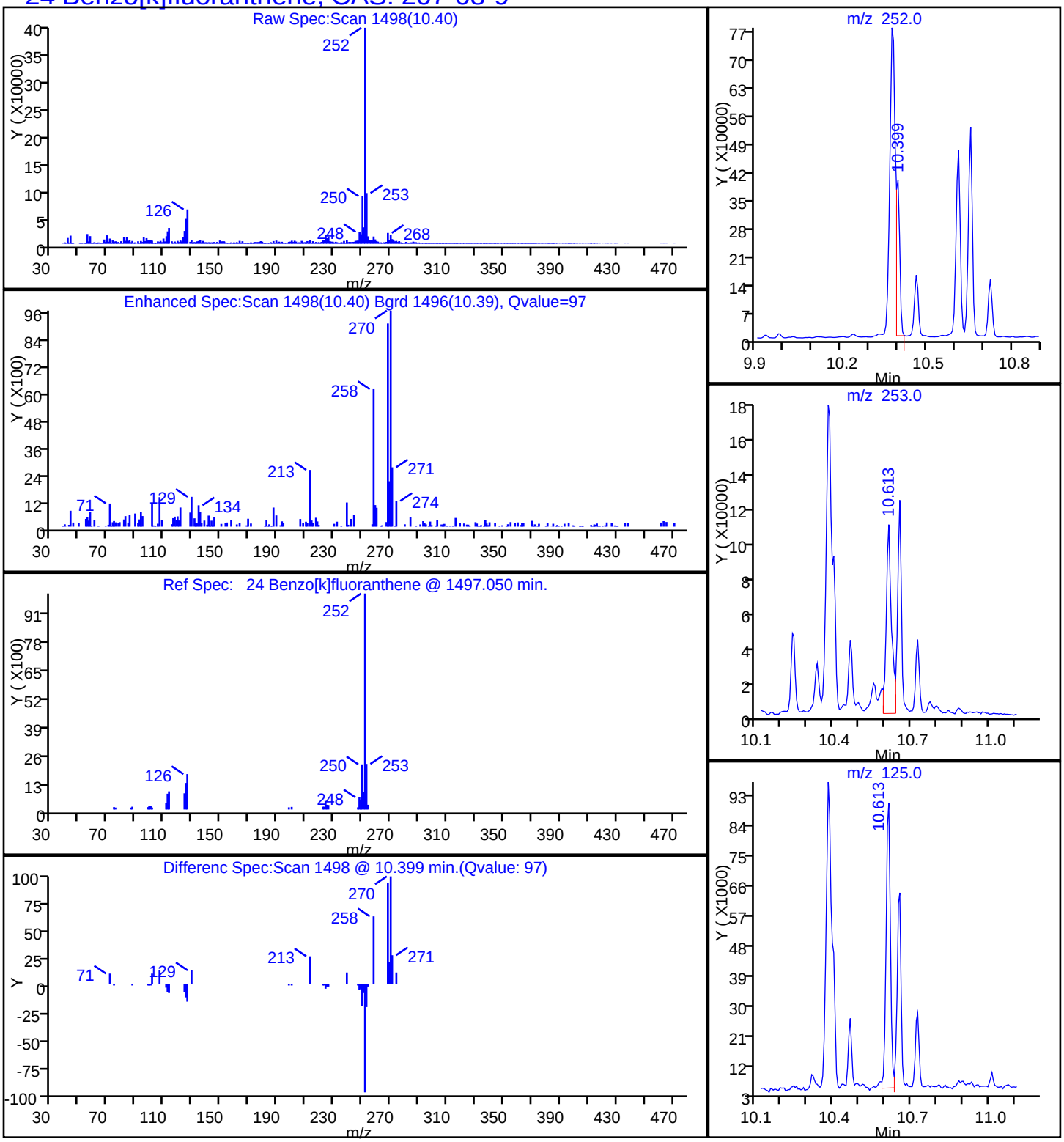
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

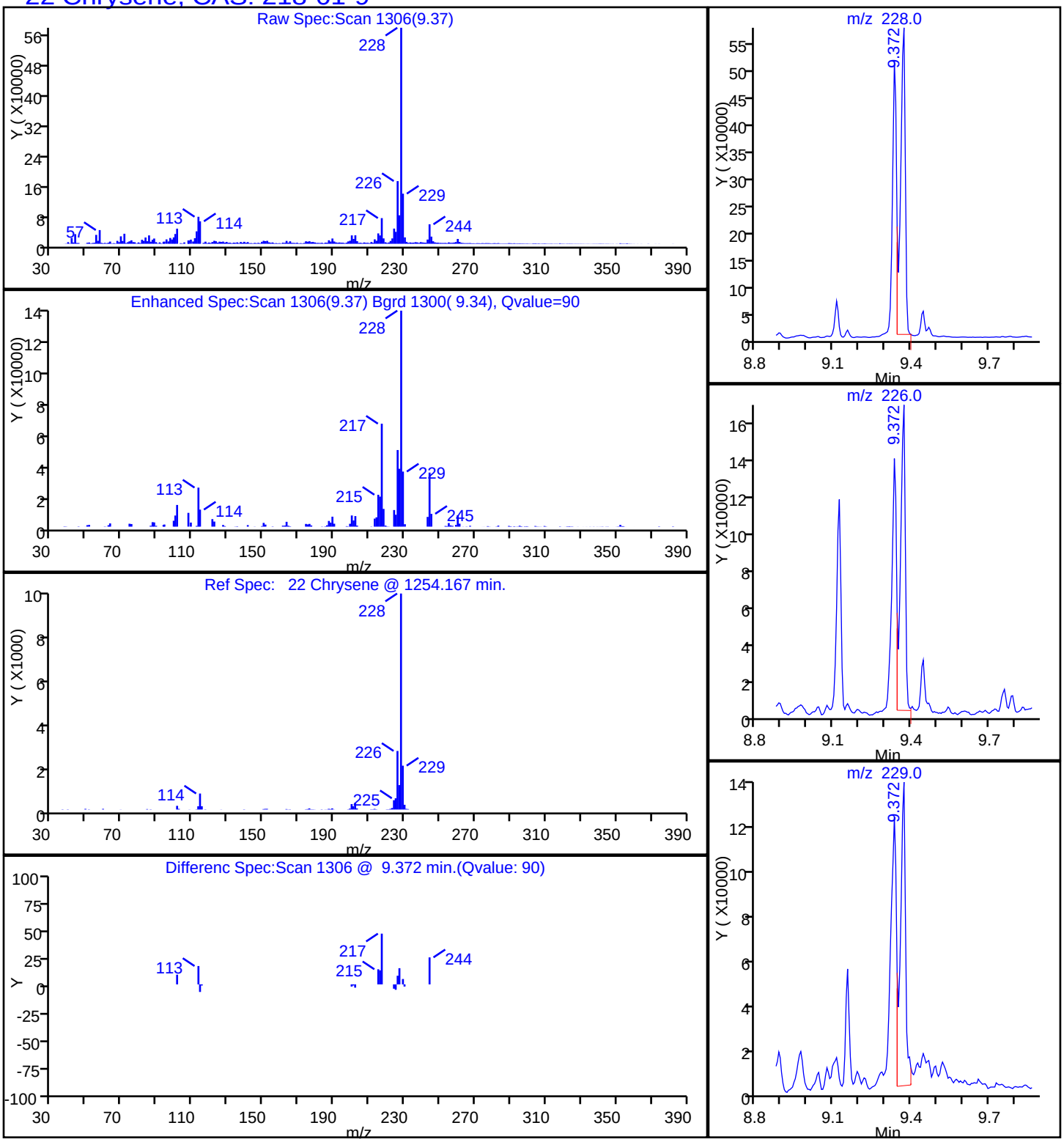


Report Date: 10-Feb-2015 11:21:07 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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 Chrysene, CAS: 218-01-9

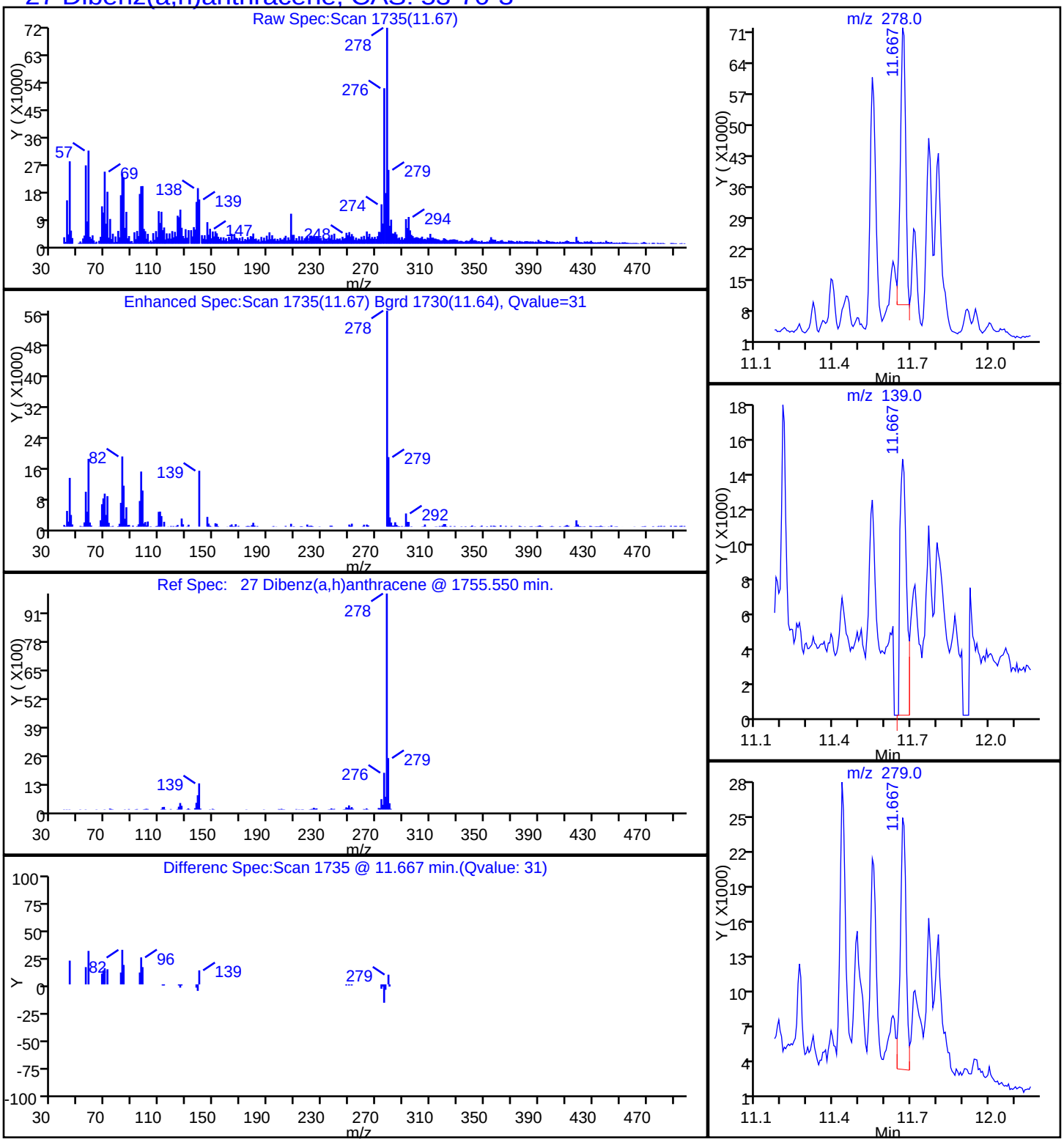


Report Date: 10-Feb-2015 11:21:07 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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		

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

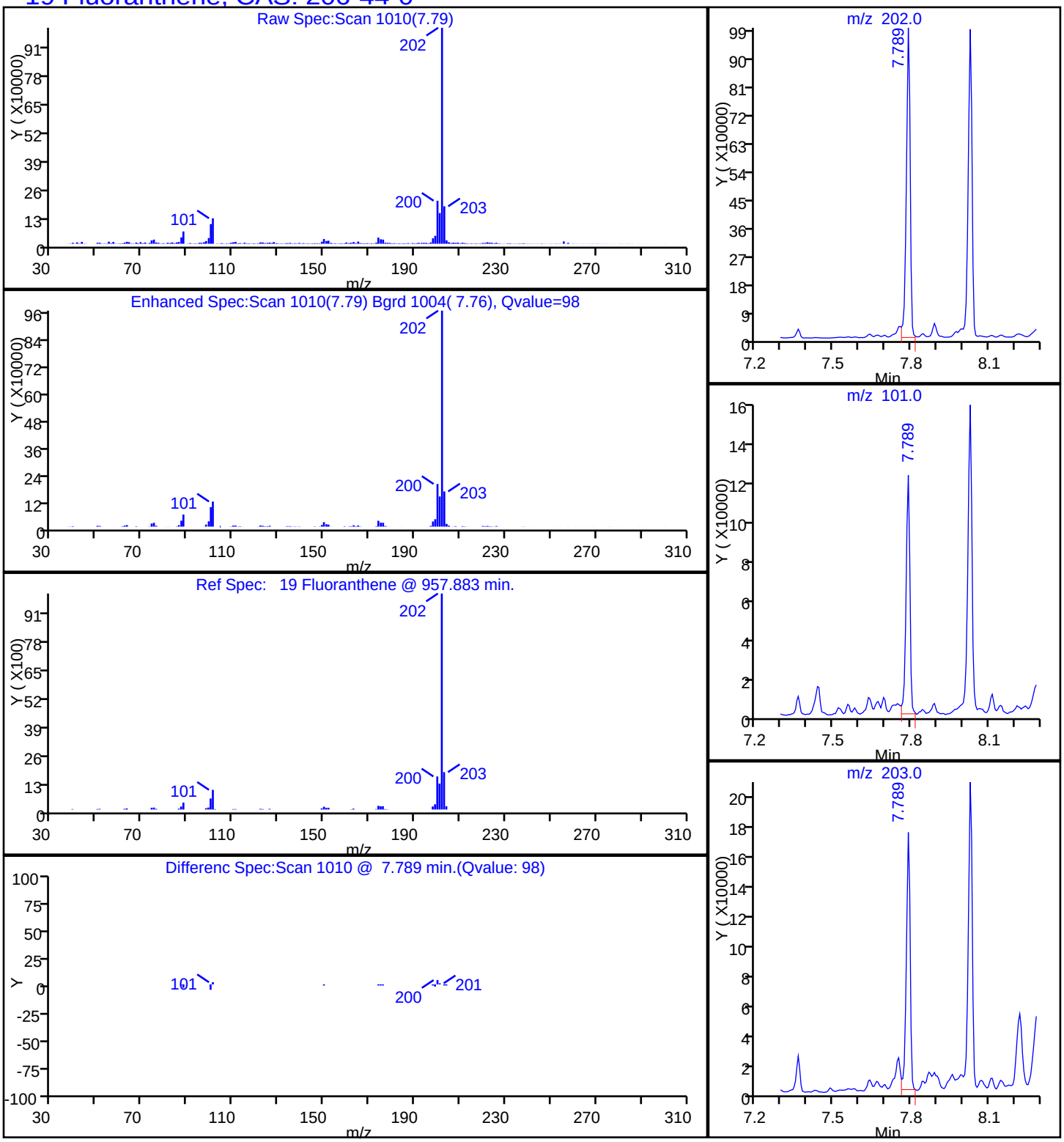


Report Date: 10-Feb-2015 11:21:07 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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 Fluoranthene, CAS: 206-44-0

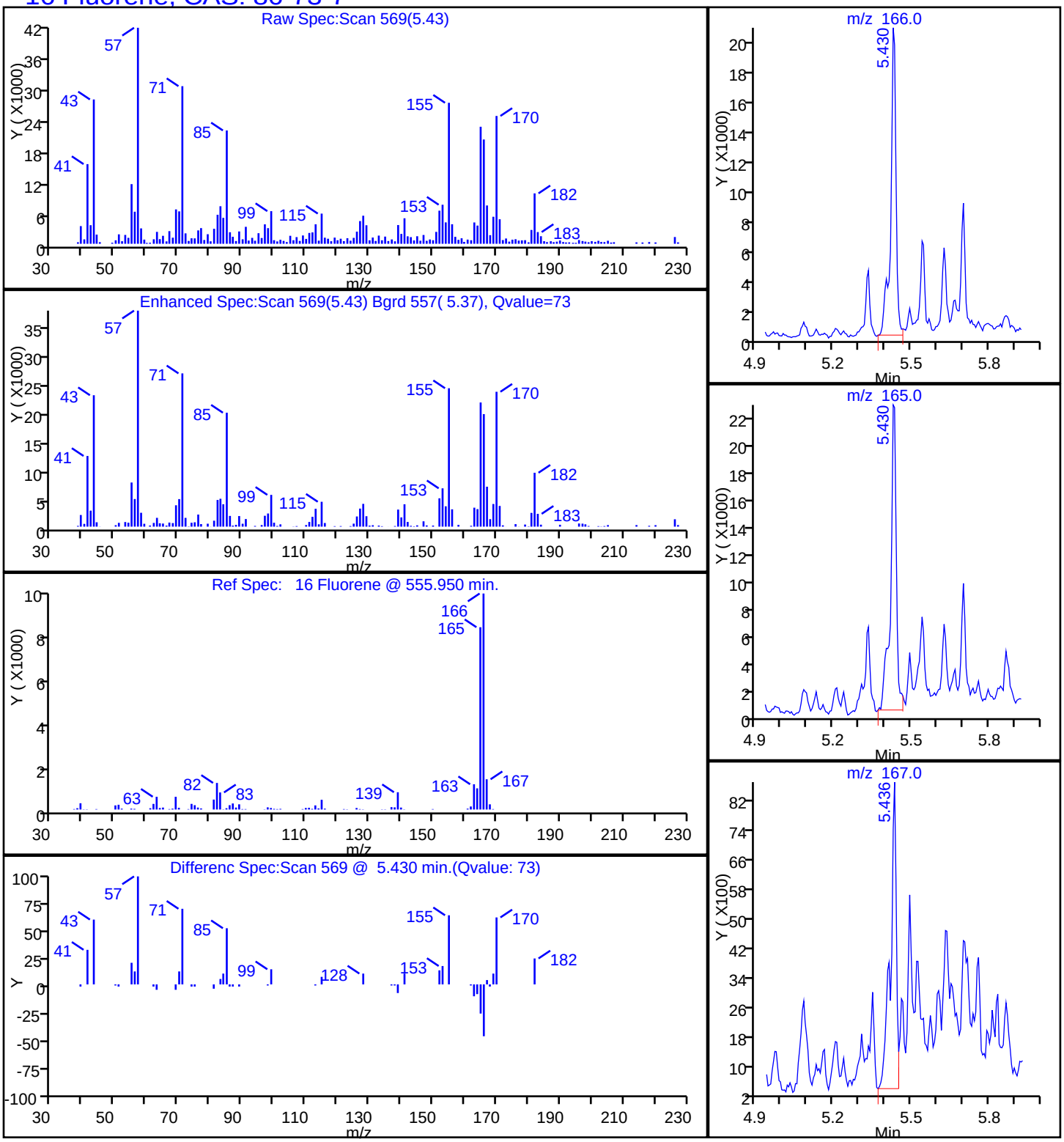


Report Date: 10-Feb-2015 11:21:06 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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		

16 Fluorene, CAS: 86-73-7

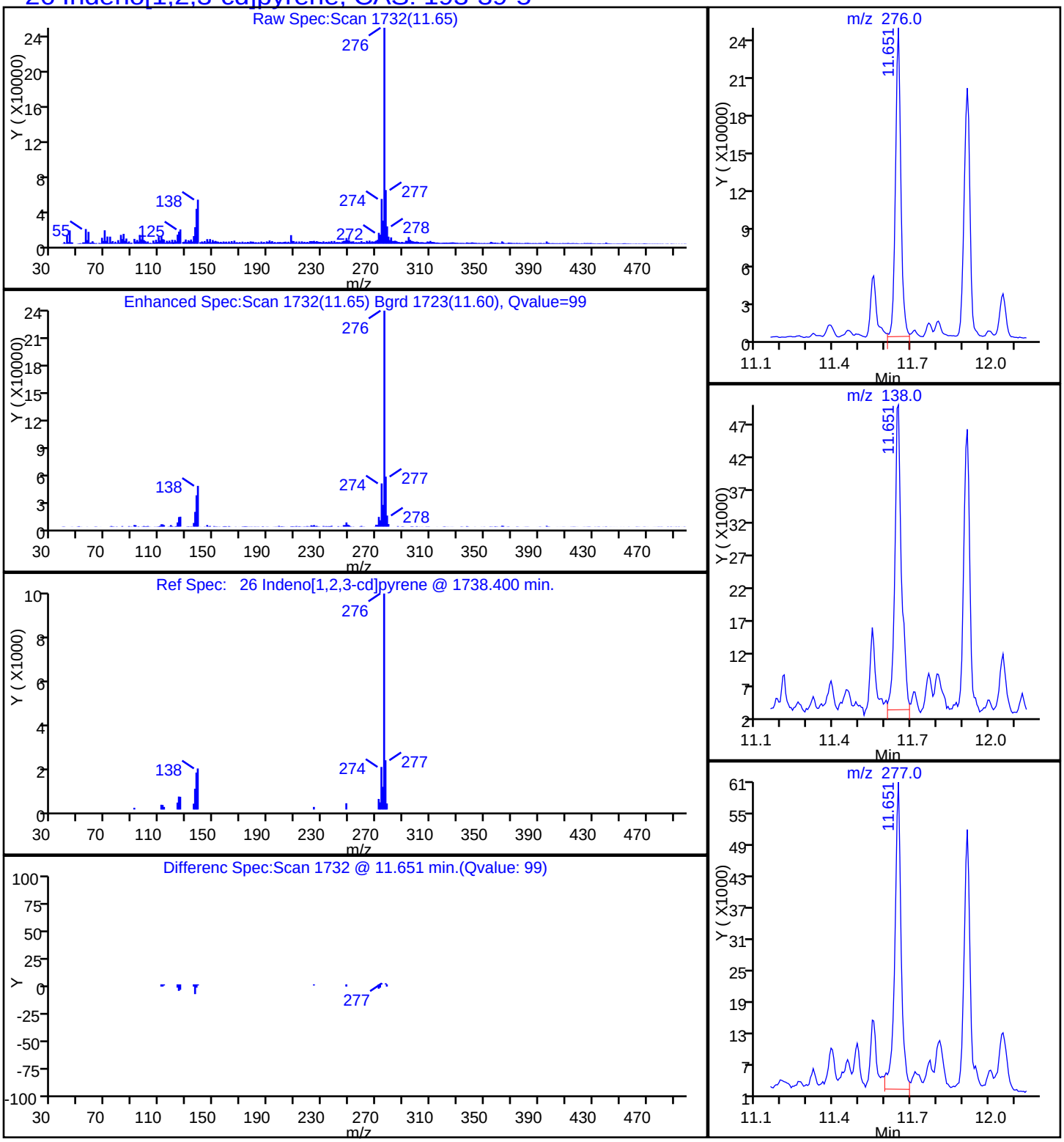


Report Date: 10-Feb-2015 11:21:07 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

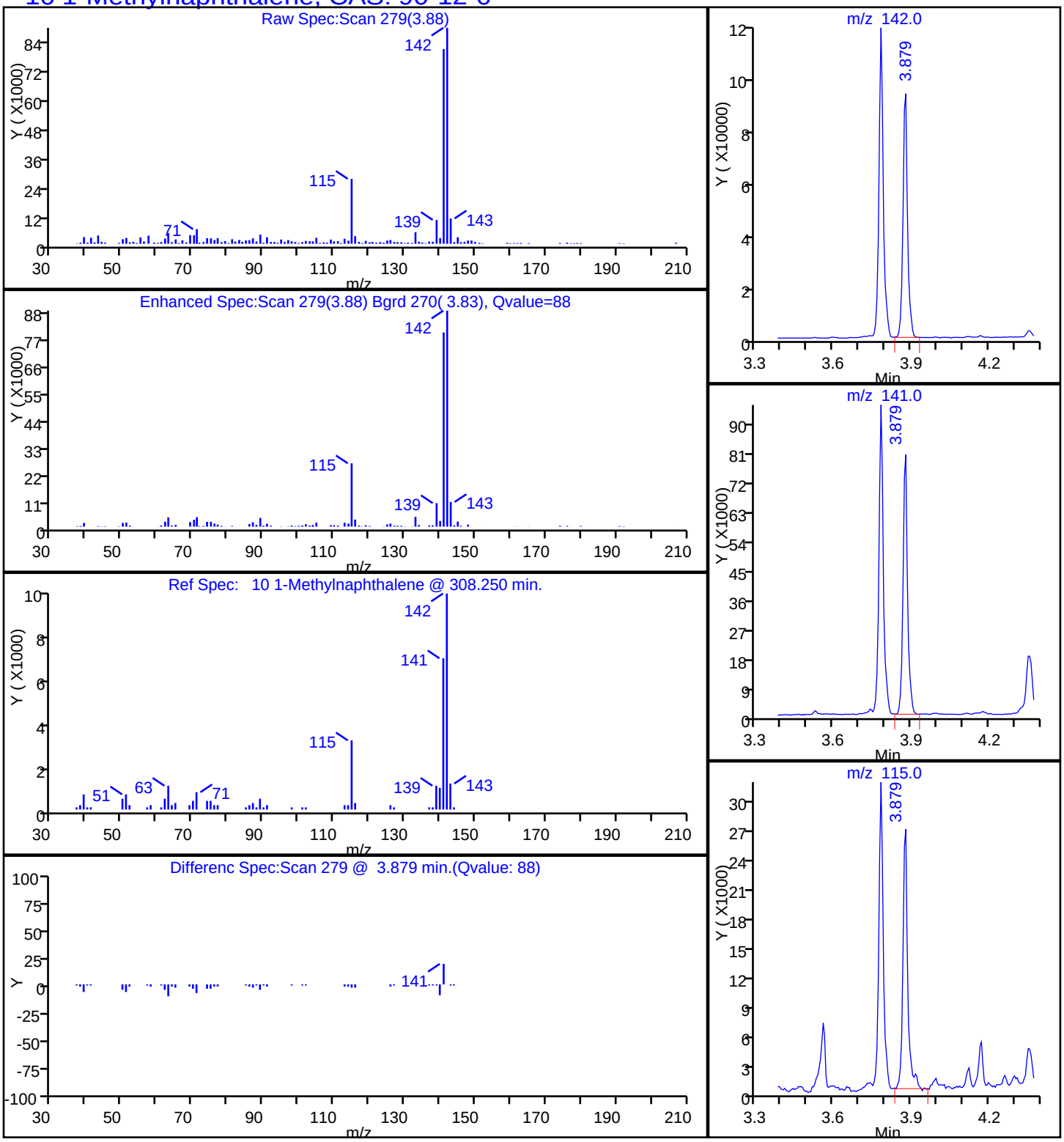


Report Date: 10-Feb-2015 11:21:06 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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		

10 1-Methylnaphthalene, CAS: 90-12-0

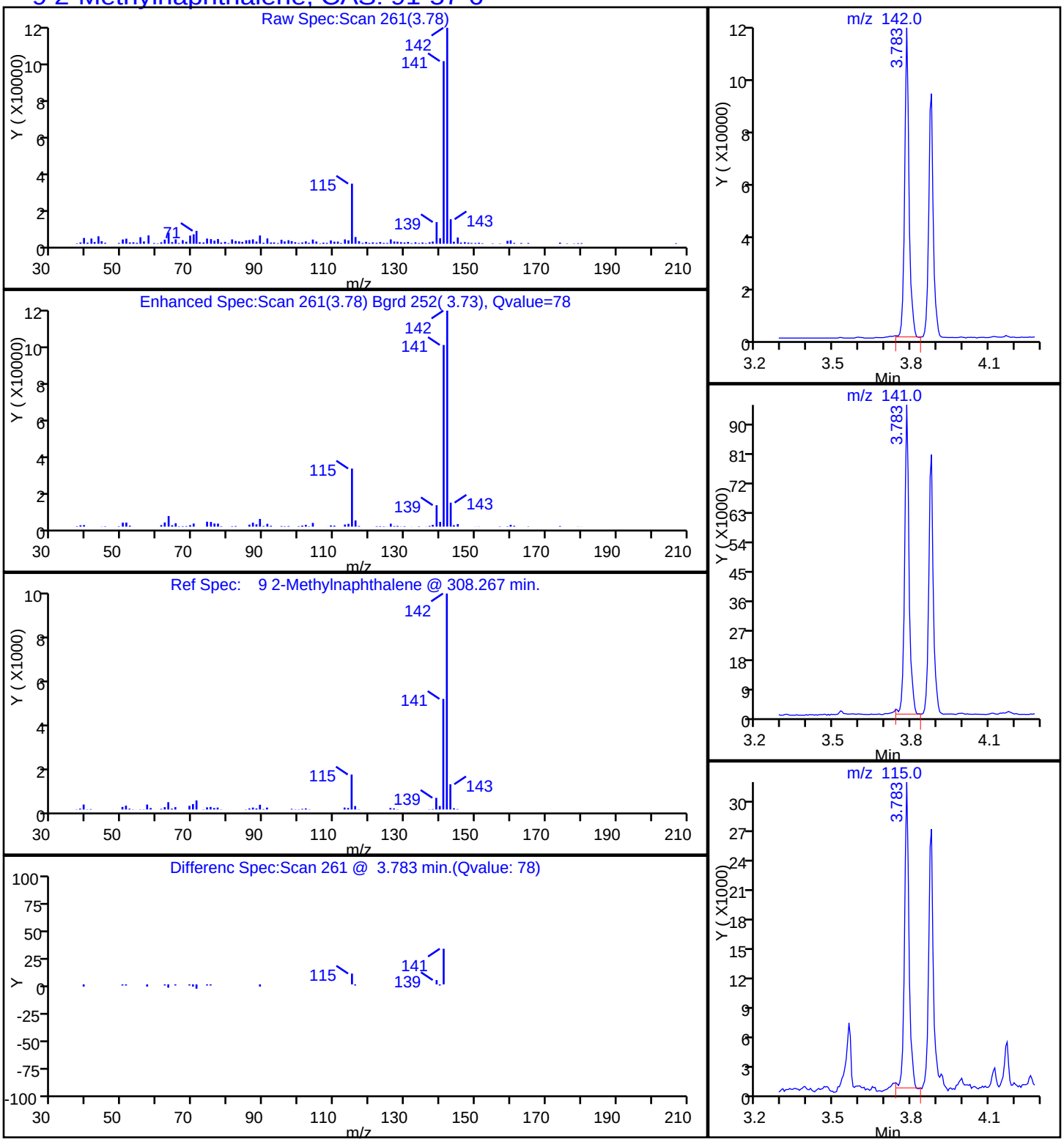


Report Date: 10-Feb-2015 11:21:06 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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 2-Methylnaphthalene, CAS: 91-57-6

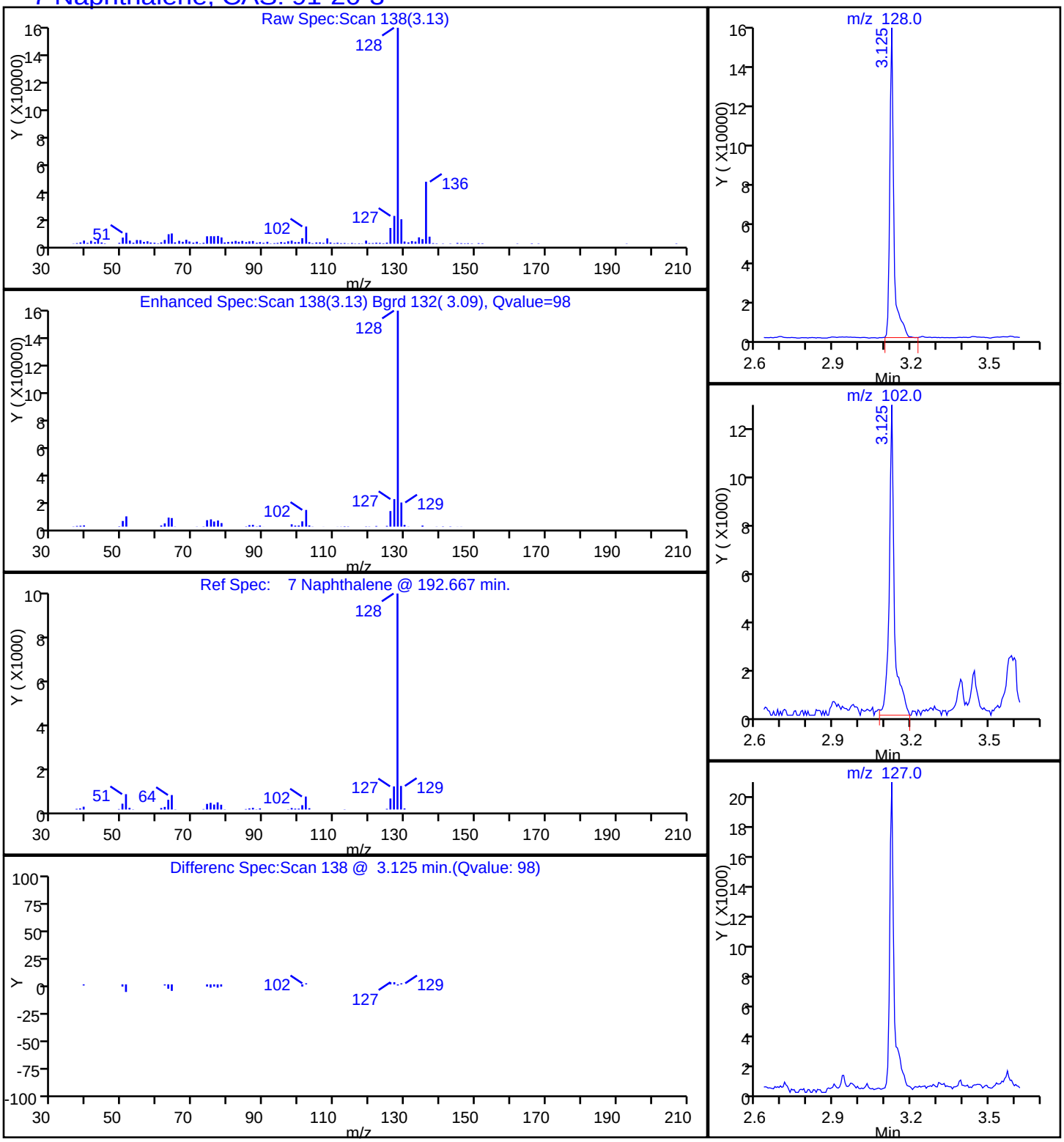


Report Date: 10-Feb-2015 11:21:06 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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

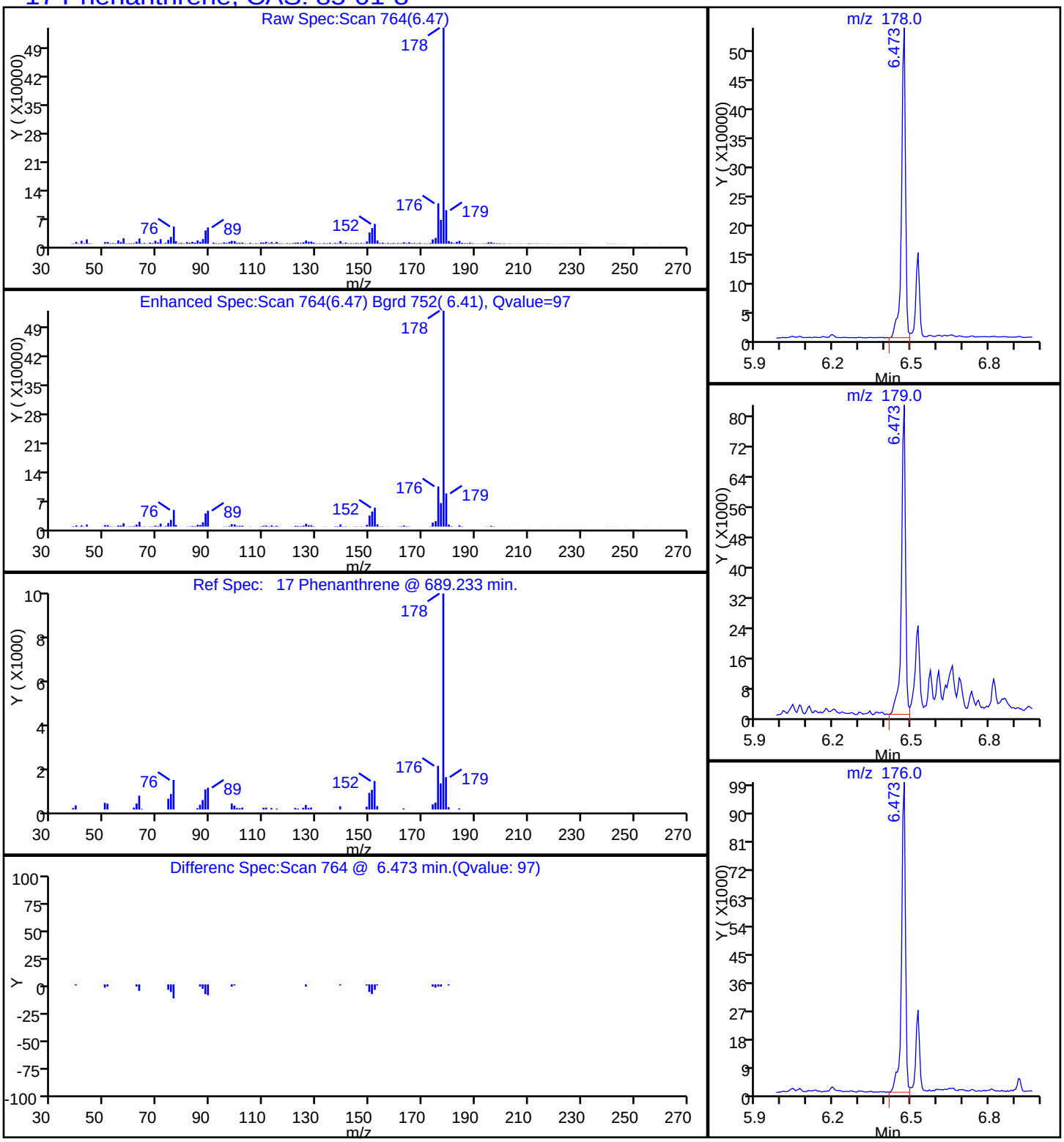


Report Date: 10-Feb-2015 11:21:06 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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 Phenanthrene, CAS: 85-01-8

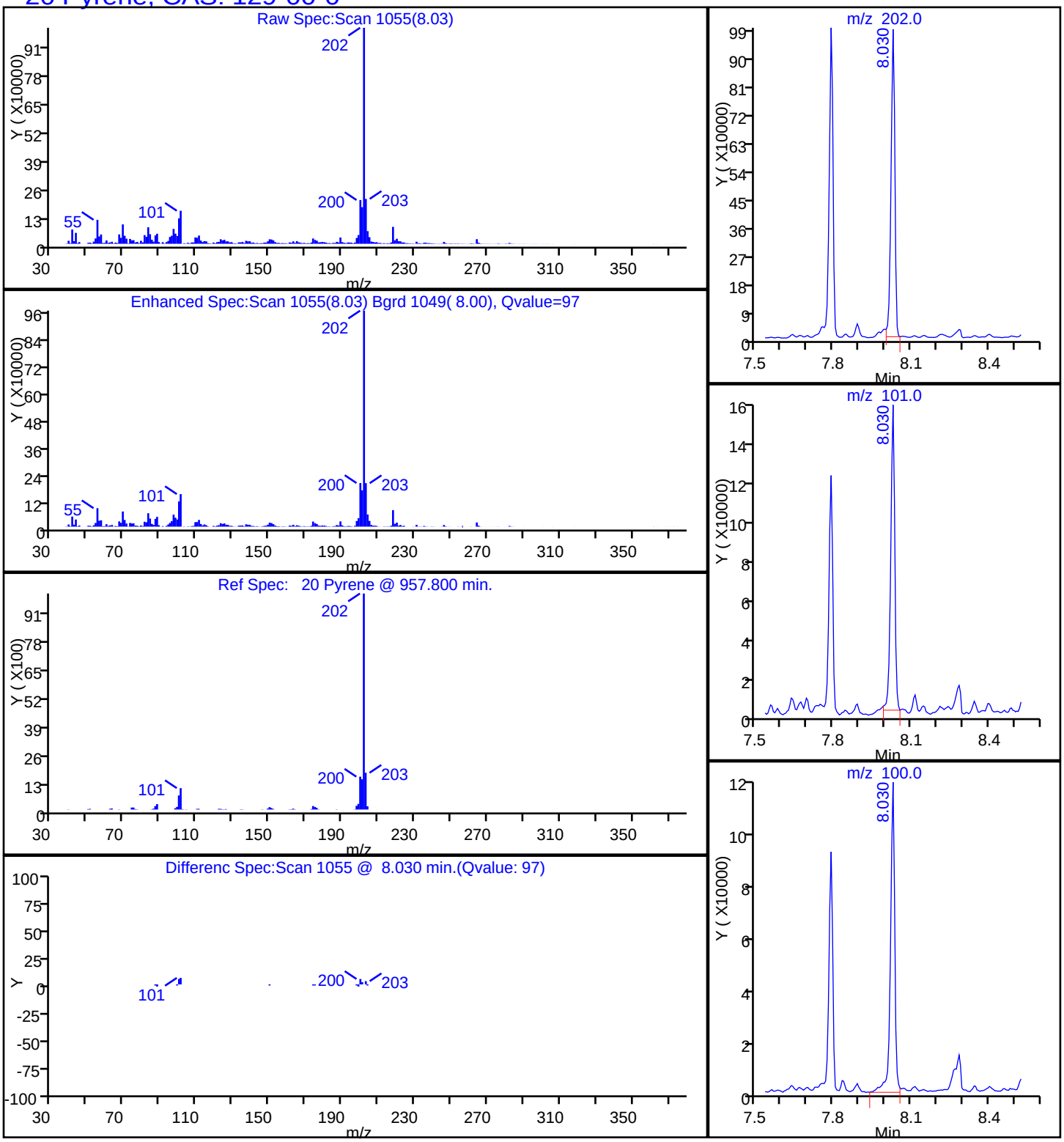


Report Date: 10-Feb-2015 11:21:07 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

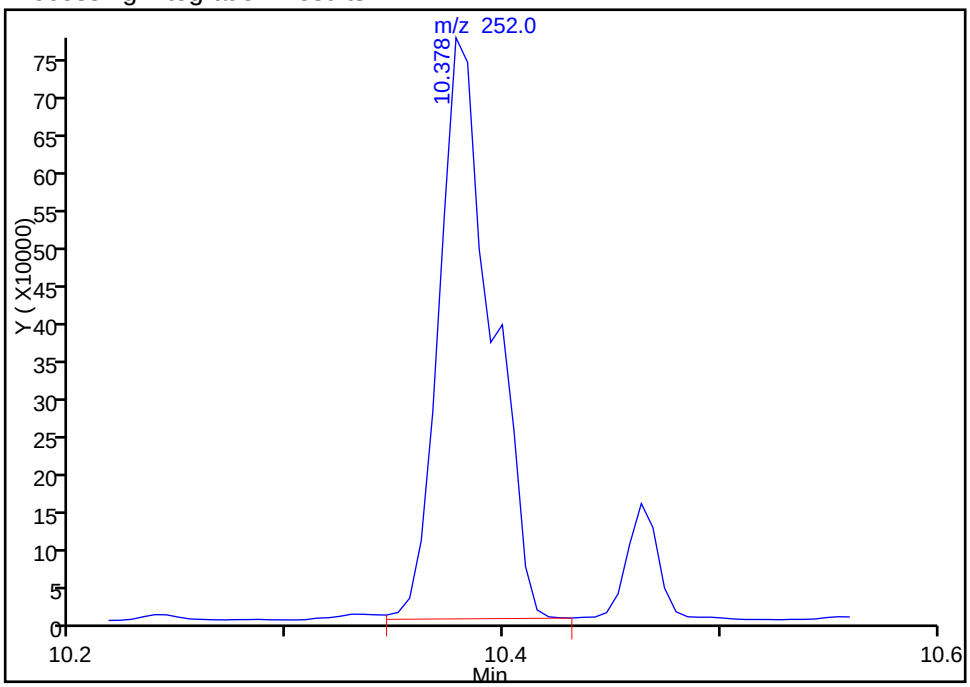
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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[b]fluoranthene, CAS: 205-99-2

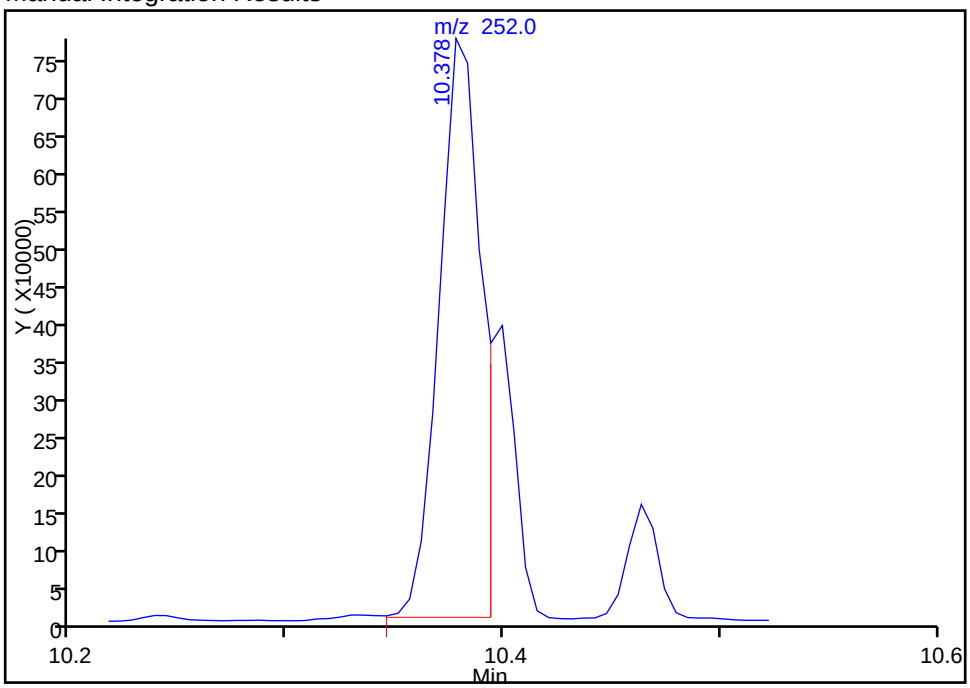
Processing Integration Results

RT: 10.38
Area: 1293971
Amount: 6.128839
Amount Units: ug/ml



Manual Integration Results

RT: 10.38
Area: 1052582
Amount: 4.985511
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:39:52
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

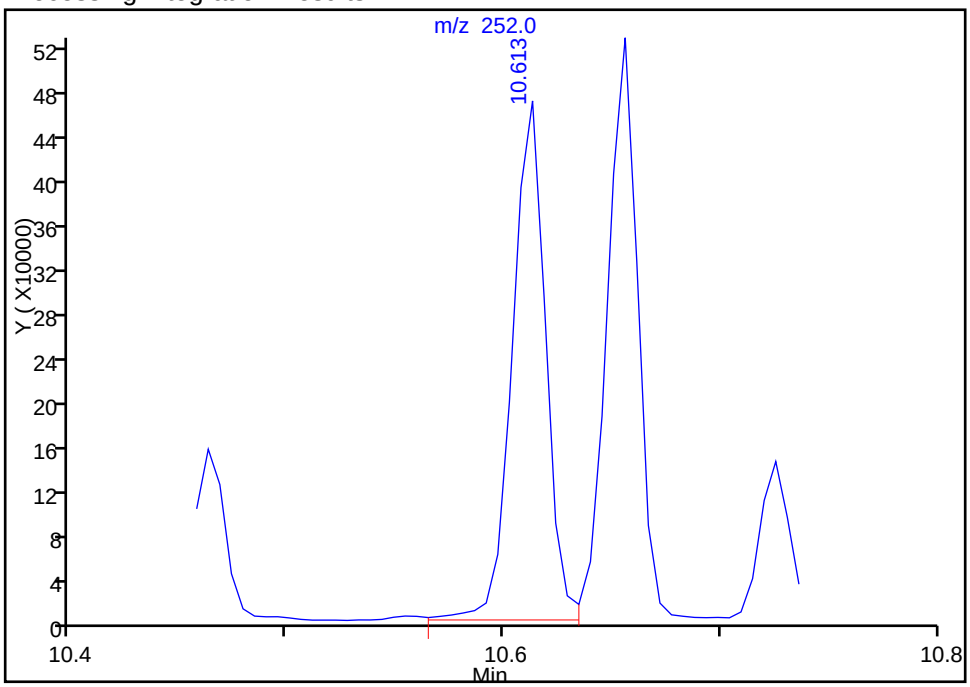
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0613.D				
Injection Date:	06-Feb-2015 20:36:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-24-A	Lab Sample ID:	680-109515-24		
Client ID:	HP0320E-CS6"				
Operator ID:		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 Benzo[k]fluoranthene, CAS: 207-08-9

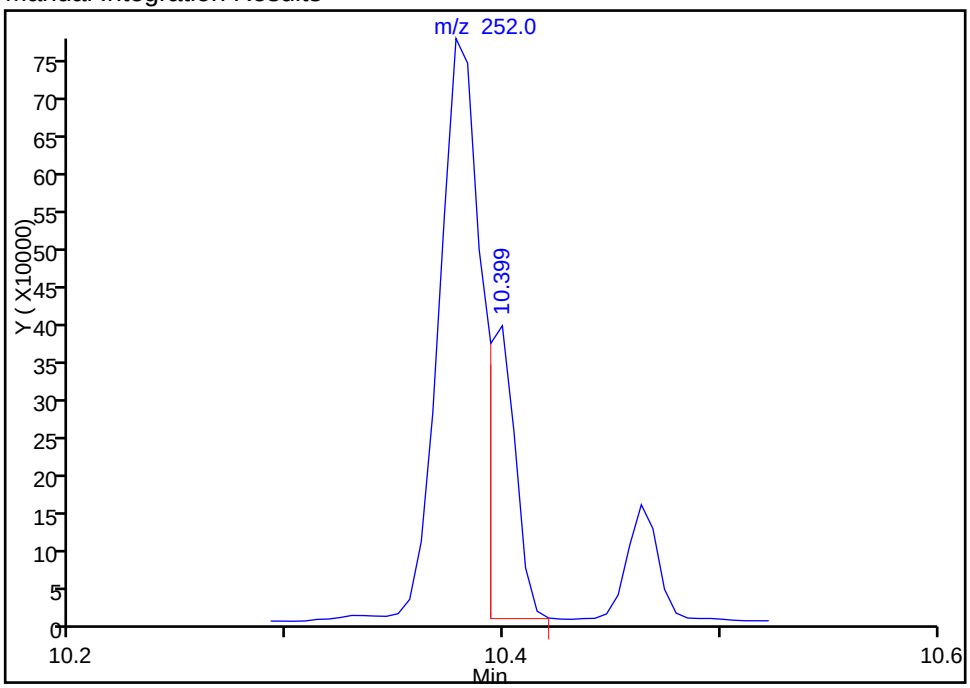
Processing Integration Results

RT: 10.61
Area: 500353
Amount: 2.340179
Amount Units: ug/ml



Manual Integration Results

RT: 10.40
Area: 344910
Amount: 1.613163
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:39:52
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320E-GS12" | Lab Sample ID: 680-109515-25

Matrix: Solid | Lab File ID: 2YB0614.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 11:25

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.33(g) | Date Analyzed: 02/06/2015 20:58

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.: 369958 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.9	U	7.9	3.9
208-96-8	Acenaphthylene	7.9	U	7.9	3.9
120-12-7	Anthracene	7.9	U	7.9	3.9
56-55-3	Benzo[a]anthracene	6.9	J	7.9	3.9
50-32-8	Benzo[a]pyrene	11		7.9	1.4
205-99-2	Benzo[b]fluoranthene	22		7.9	3.9
191-24-2	Benzo[g,h,i]perylene	7.1	J	7.9	3.9
207-08-9	Benzo[k]fluoranthene	7.9		7.9	2.4
218-01-9	Chrysene	10		7.9	3.9
53-70-3	Dibenz(a,h)anthracene	7.9	U	7.9	3.9
206-44-0	Fluoranthene	6.7	J	7.9	3.9
86-73-7	Fluorene	7.9	U	7.9	3.9
193-39-5	Indeno[1,2,3-cd]pyrene	5.6	J	7.9	3.9
90-12-0	1-Methylnaphthalene	7.9	U	7.9	3.7
91-57-6	2-Methylnaphthalene	7.9	U	7.9	3.9
91-20-3	Naphthalene	7.9	U	7.9	3.9
85-01-8	Phenanthrene	7.9	U	7.9	2.8
129-00-0	Pyrene	10		7.9	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	76		36-131

Report Date: 07-Feb-2015 08:53:27 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25		
Client ID:	HP0320E-GS12"				
Sample Type:	Client				
Inject. Date:	06-Feb-2015 20:58:30	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	109515-B-25-A				
Misc. Info.:	680-0016908-014				
Operator ID:		Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	07-Feb-2015 08:52:58	Calib Date:	03-Feb-2015 18:57:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D		

Column 1 :	Restek RXi-5Sil MS (0.25 mm)	Det: MS SCAN
Process Host:	XAWRK048	

First Level Reviewer: webbk Date: 07-Feb-2015 08:41:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.104	3.109	-0.005	98	537194	2.00	
* 2 Acenaphthene-d10	164	4.842	4.842	0.000	92	325941	2.00	
* 3 Phenanthrene-d10	188	6.447	6.436	0.011	98	554879	2.00	
* 4 Chrysene-d12	240	9.340	9.324	0.016	99	466256	2.00	
* 5 Perylene-d12	264	10.699	10.677	0.022	99	338815	2.00	
$ 6 o-Terphenyl	230	6.917	6.912	0.005	91	210797	1.52	
17 Phenanthrene	178	6.468	6.462	0.006	86	21721	0.0634	7
18 Anthracene	178	6.527	6.521	0.006	83	11615	0.0356	7
19 Fluoranthene	202	7.784	7.773	0.011	99	60976	0.1712	
20 Pyrene	202	8.024	8.014	0.010	97	79226	0.2531	
21 Benzo[a]anthracene	228	9.329	9.319	0.010	96	50198	0.1748	
22 Chrysene	228	9.362	9.356	0.006	99	62407	0.2628	
23 Benzo[b]fluoranthene	252	10.367	10.356	0.011	99	126171	0.5648	M
24 Benzo[k]fluoranthene	252	10.388	10.378	0.010	99	45580	0.2015	M
25 Benzo[a]pyrene	252	10.645	10.634	0.011	98	56314	0.2859	
26 Indeno[1,2,3-cd]pyrene	276	11.635	11.613	0.022	99	40420	0.1430	
27 Dibenz(a,h)anthracene	278	11.656	11.640	0.016	50	13216	0.0762	7
28 Benzo[g,h,i]perylene	276	11.897	11.875	0.022	98	33810	0.1801	

QC Flag Legend

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

Reagents:

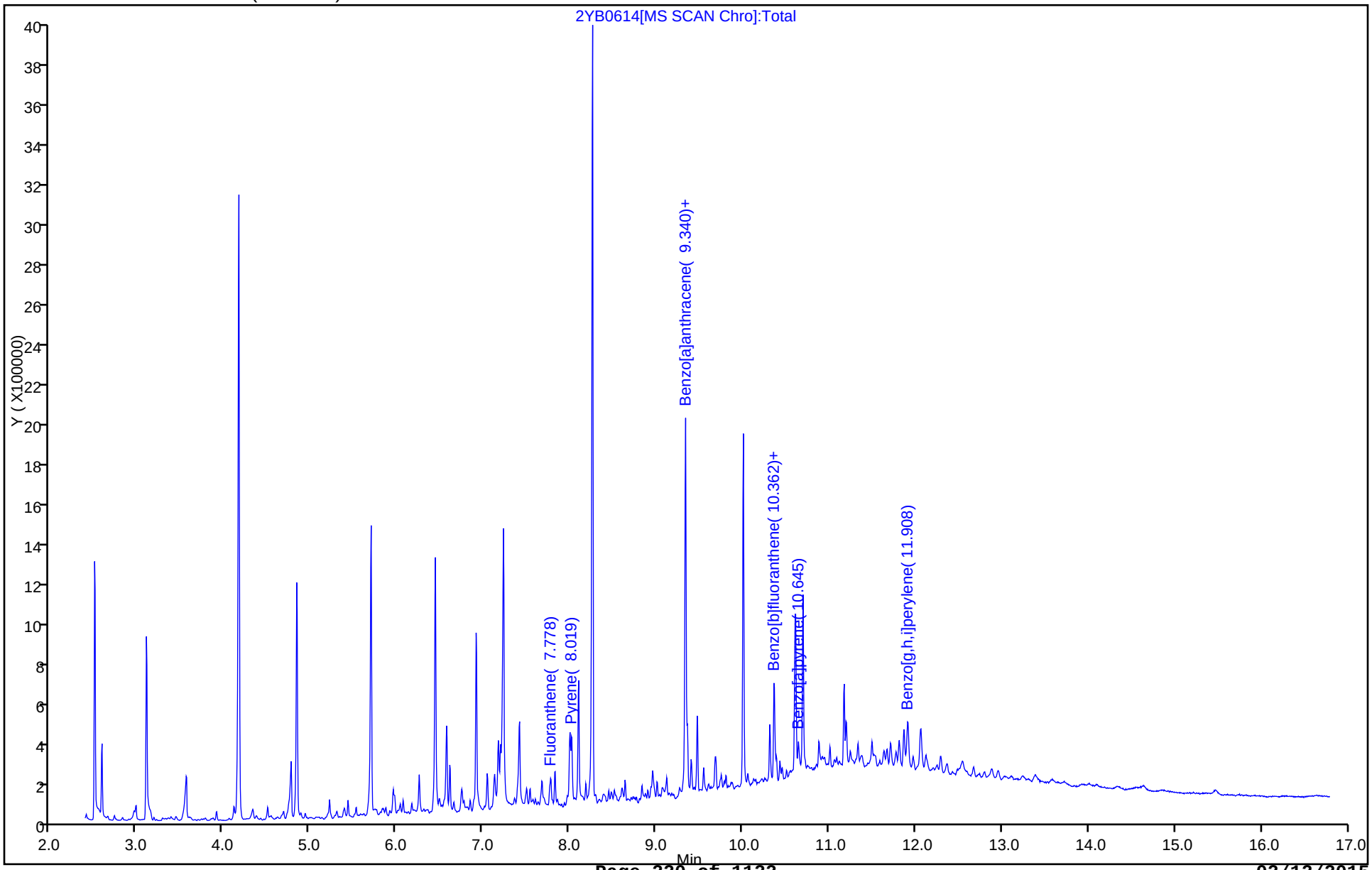
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 08:53:27 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Injection Date:	06-Feb-2015 20:58:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25	Worklist Smp#:	14
Client ID:	HP0320E-GS12"				
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)

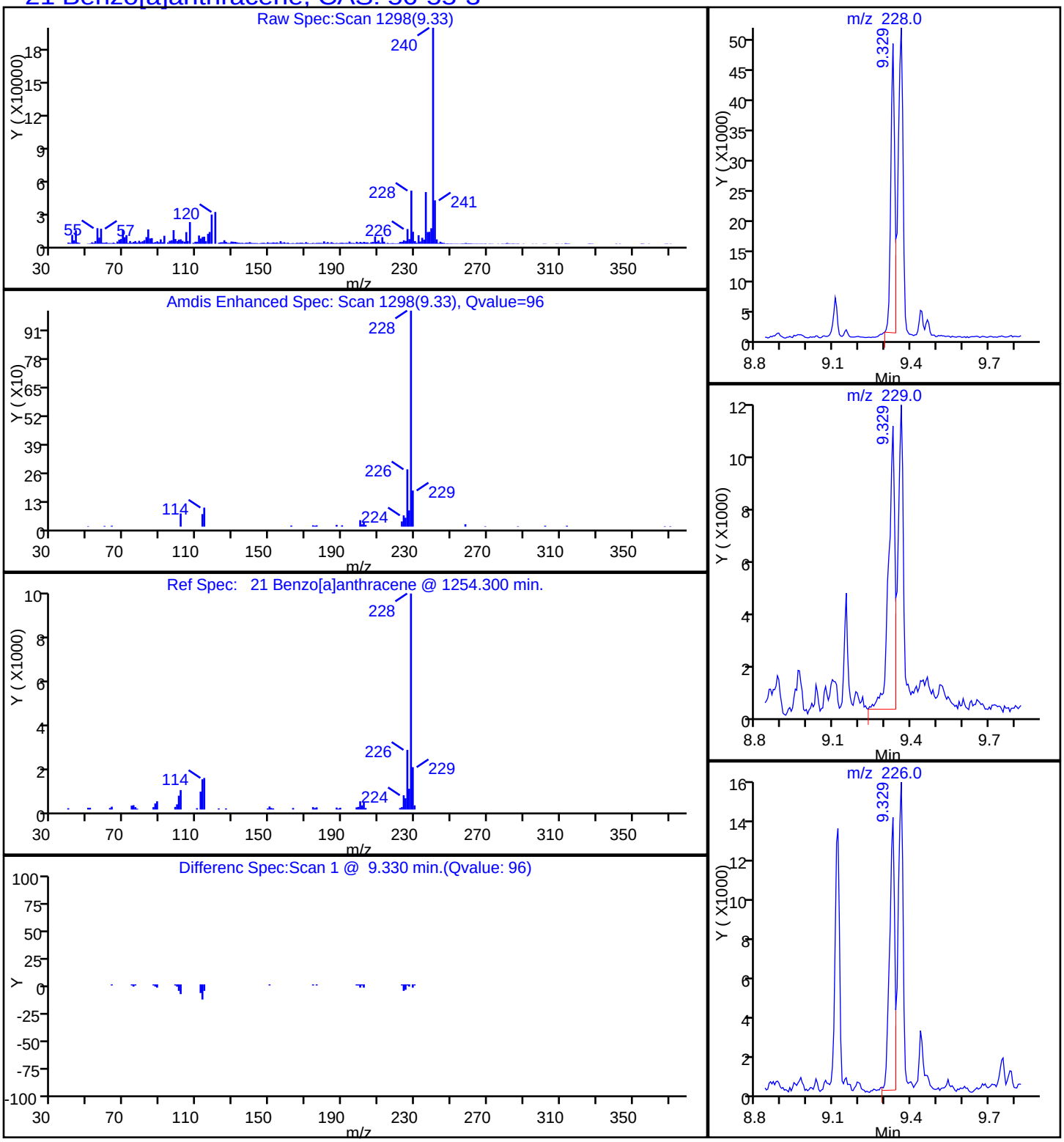


Report Date: 07-Feb-2015 08:53:27 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Injection Date:	06-Feb-2015 20:58:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25		
Client ID:	HP0320E-GS12"				
Operator ID:		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[a]anthracene, CAS: 56-55-3

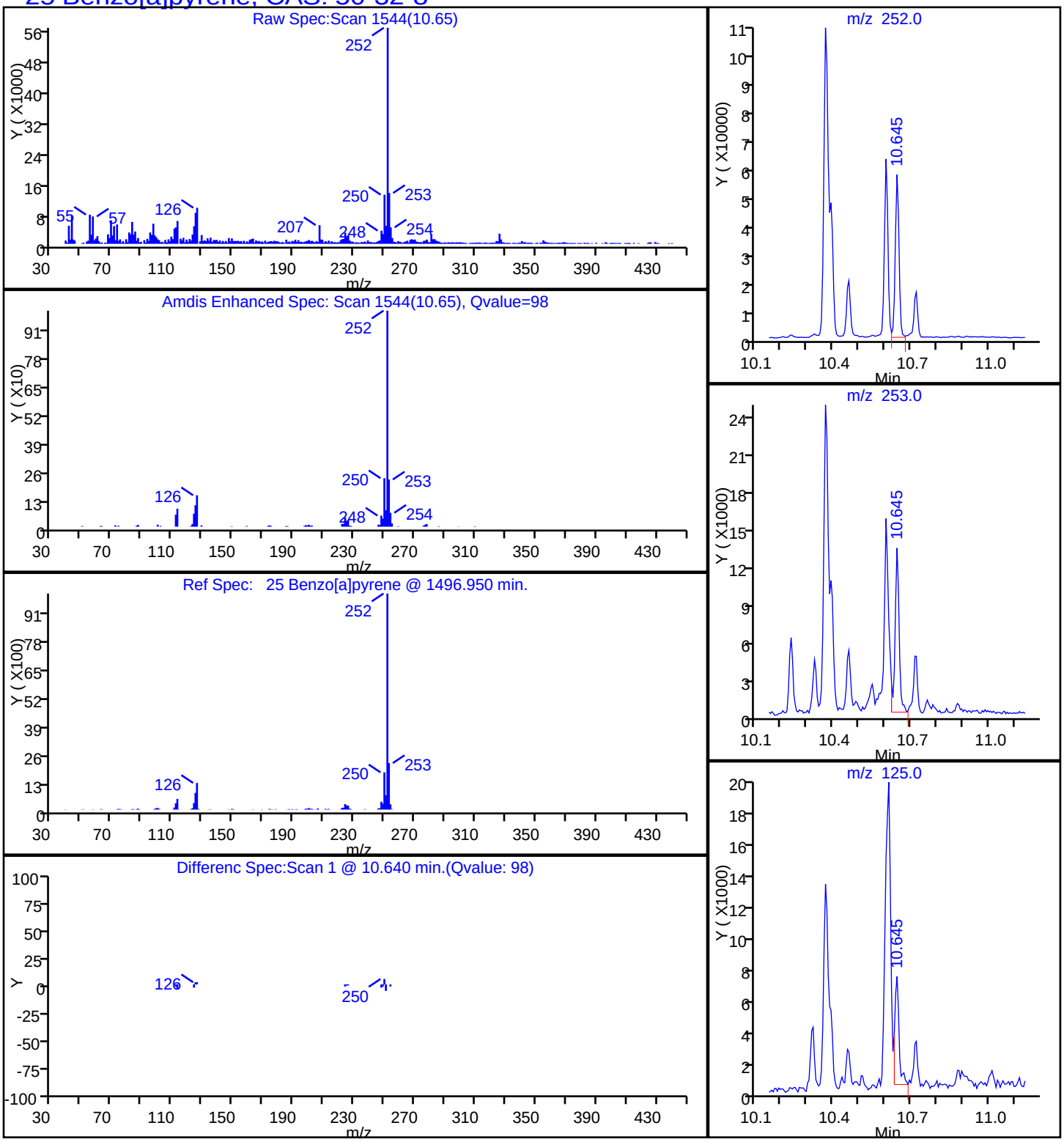


Report Date: 07-Feb-2015 08:53:27 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Injection Date:	06-Feb-2015 20:58:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25		
Client ID:	HP0320E-GS12"				
Operator ID:		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 Benzo[a]pyrene, CAS: 50-32-8

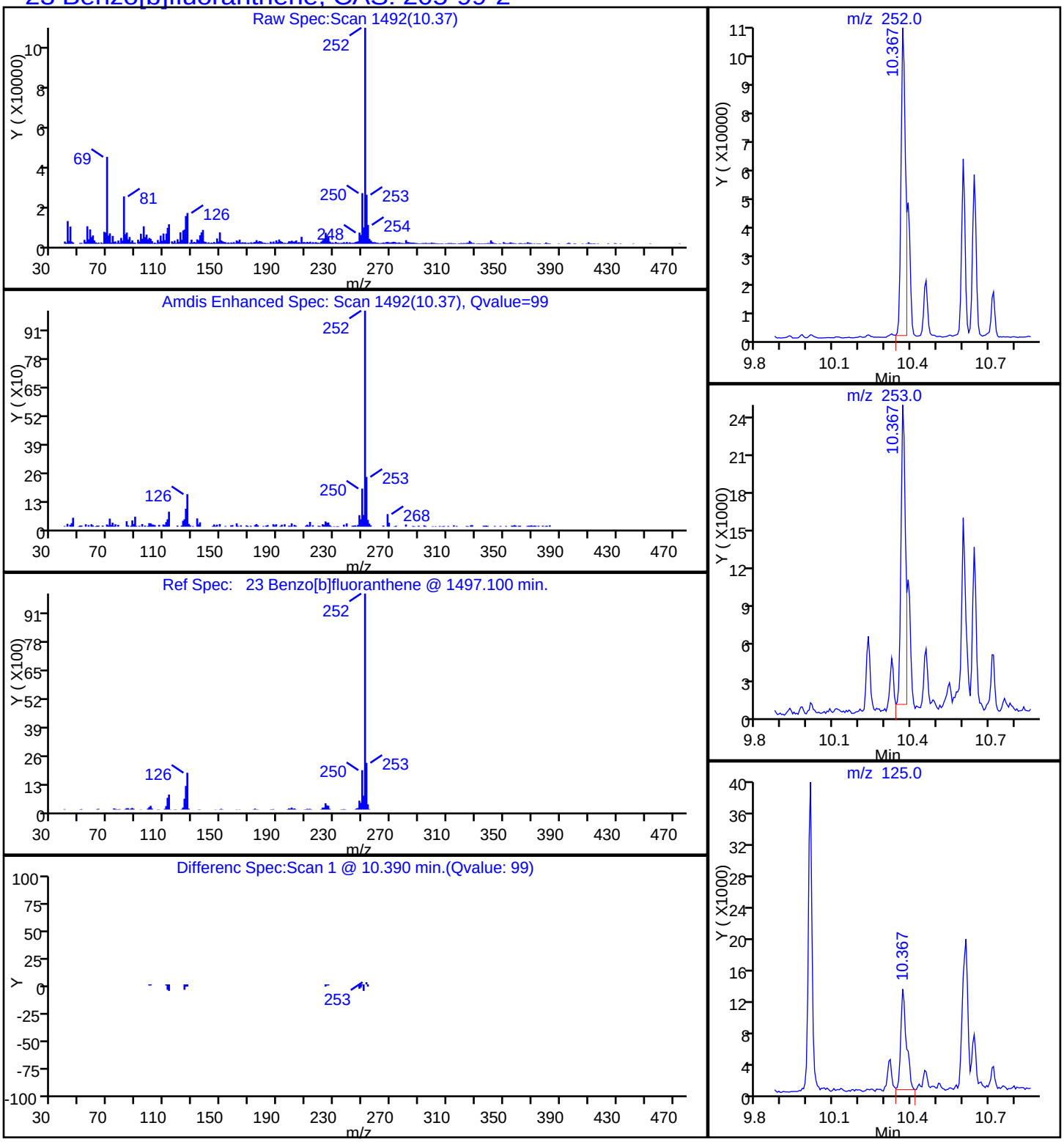


Report Date: 07-Feb-2015 08:53:27 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Injection Date:	06-Feb-2015 20:58:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25		
Client ID:	HP0320E-GS12"				
Operator ID:		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[b]fluoranthene, CAS: 205-99-2

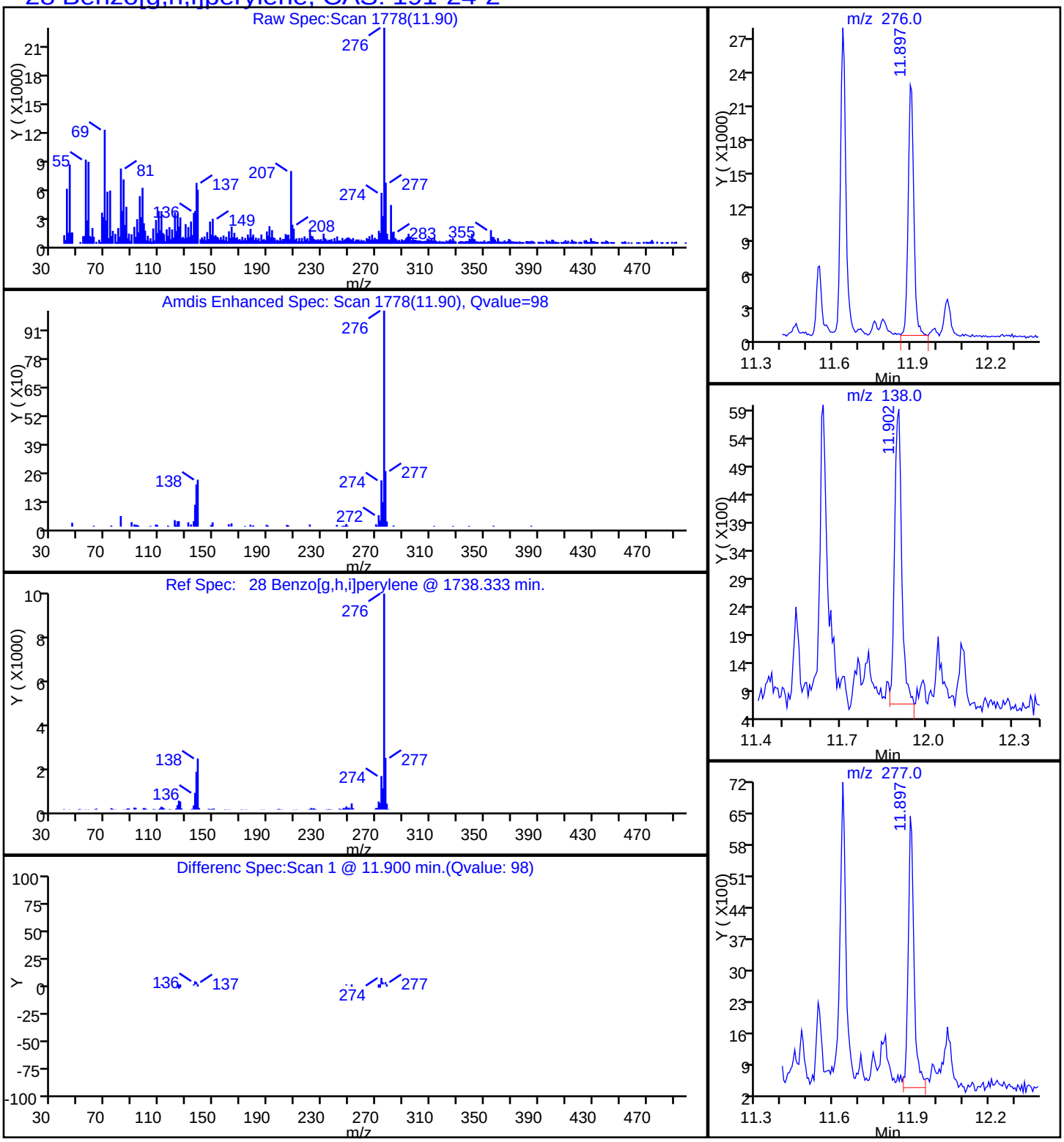


Report Date: 07-Feb-2015 08:53:27 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Injection Date:	06-Feb-2015 20:58:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25		
Client ID:	HP0320E-GS12"				
Operator ID:		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		

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

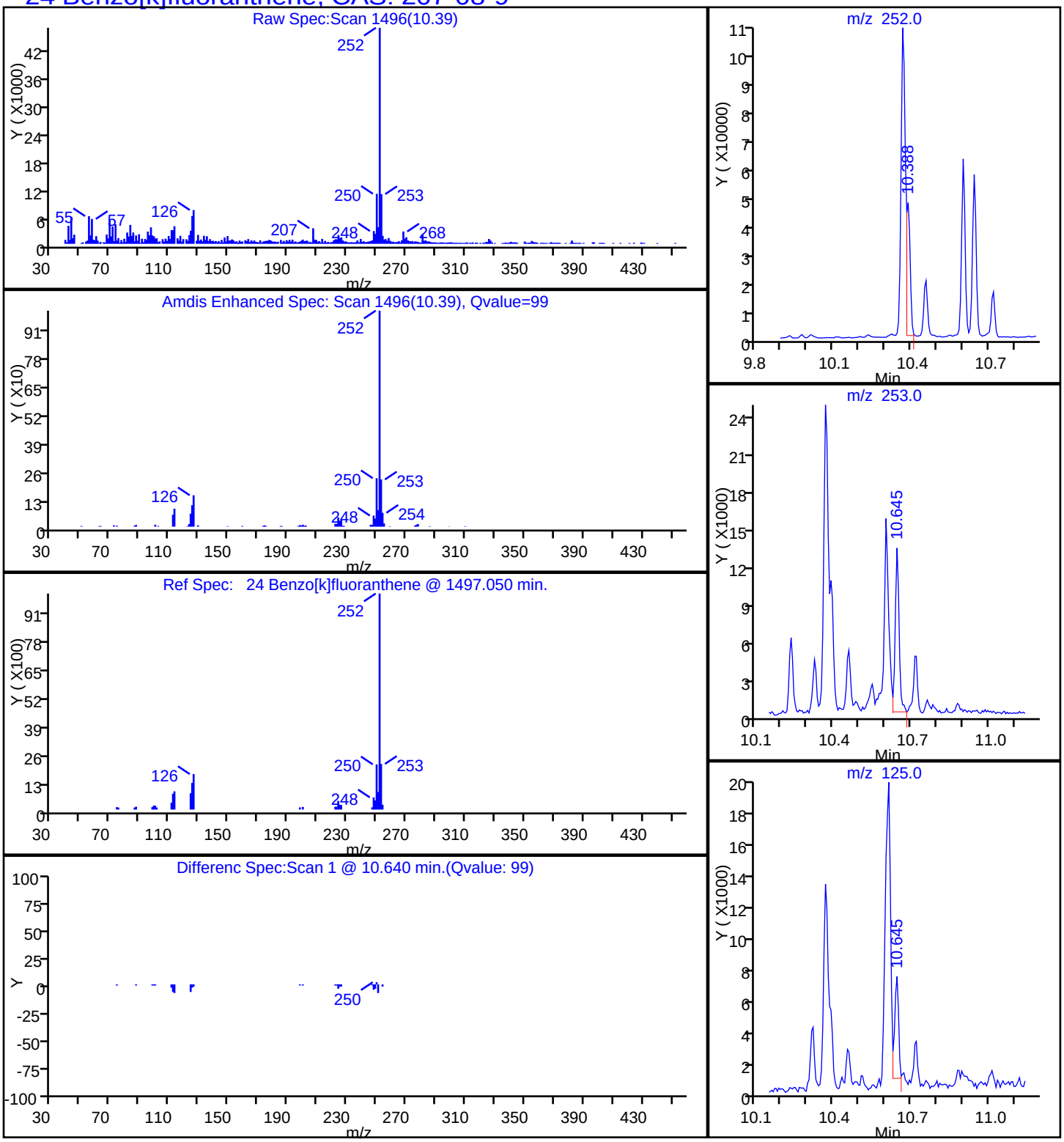


Report Date: 07-Feb-2015 08:53:27 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Injection Date:	06-Feb-2015 20:58:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25		
Client ID:	HP0320E-GS12"				
Operator ID:		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 Benzo[k]fluoranthene, CAS: 207-08-9

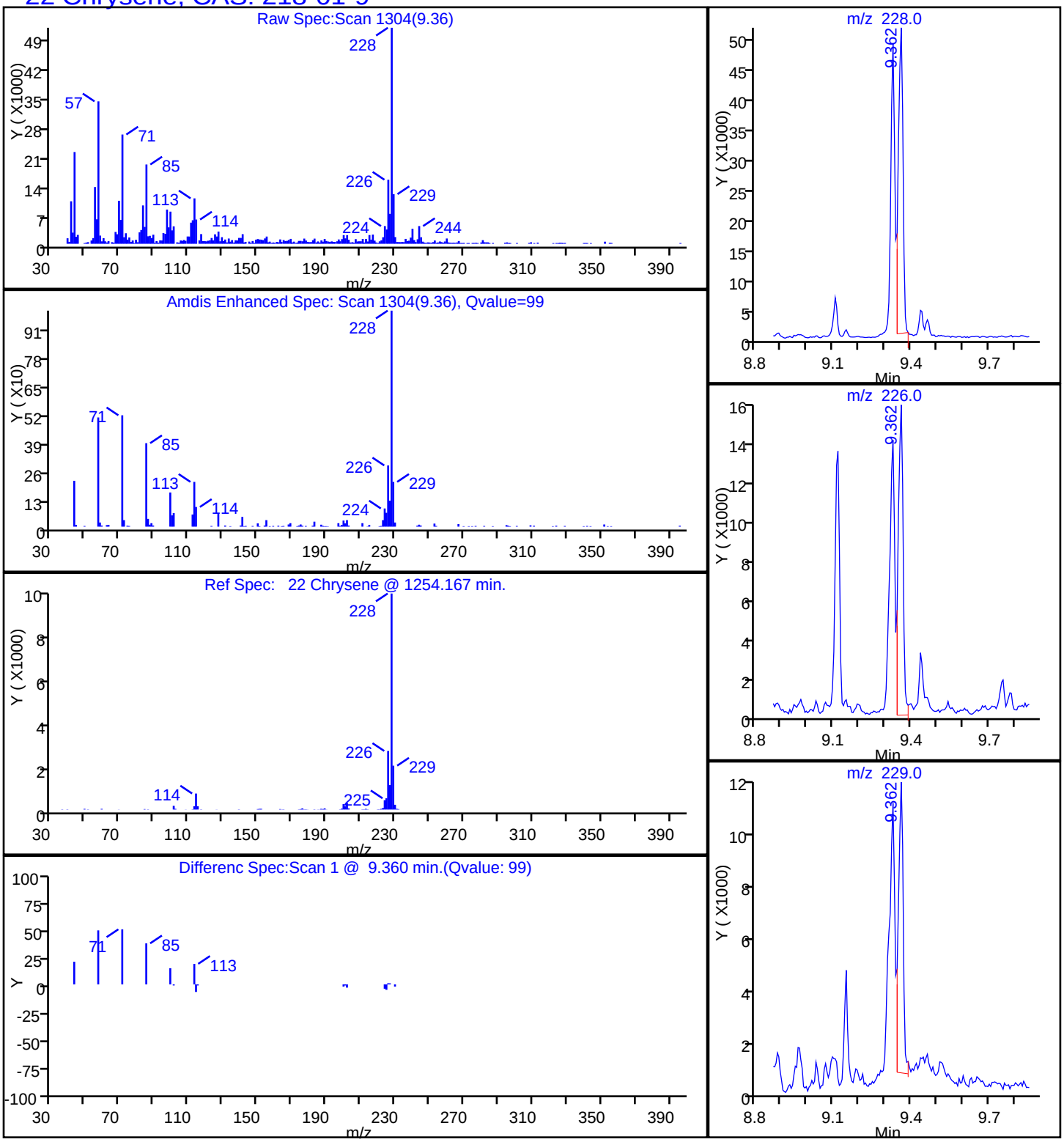


Report Date: 07-Feb-2015 08:53:27 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Injection Date:	06-Feb-2015 20:58:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25		
Client ID:	HP0320E-GS12"				
Operator ID:		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 Chrysene, CAS: 218-01-9

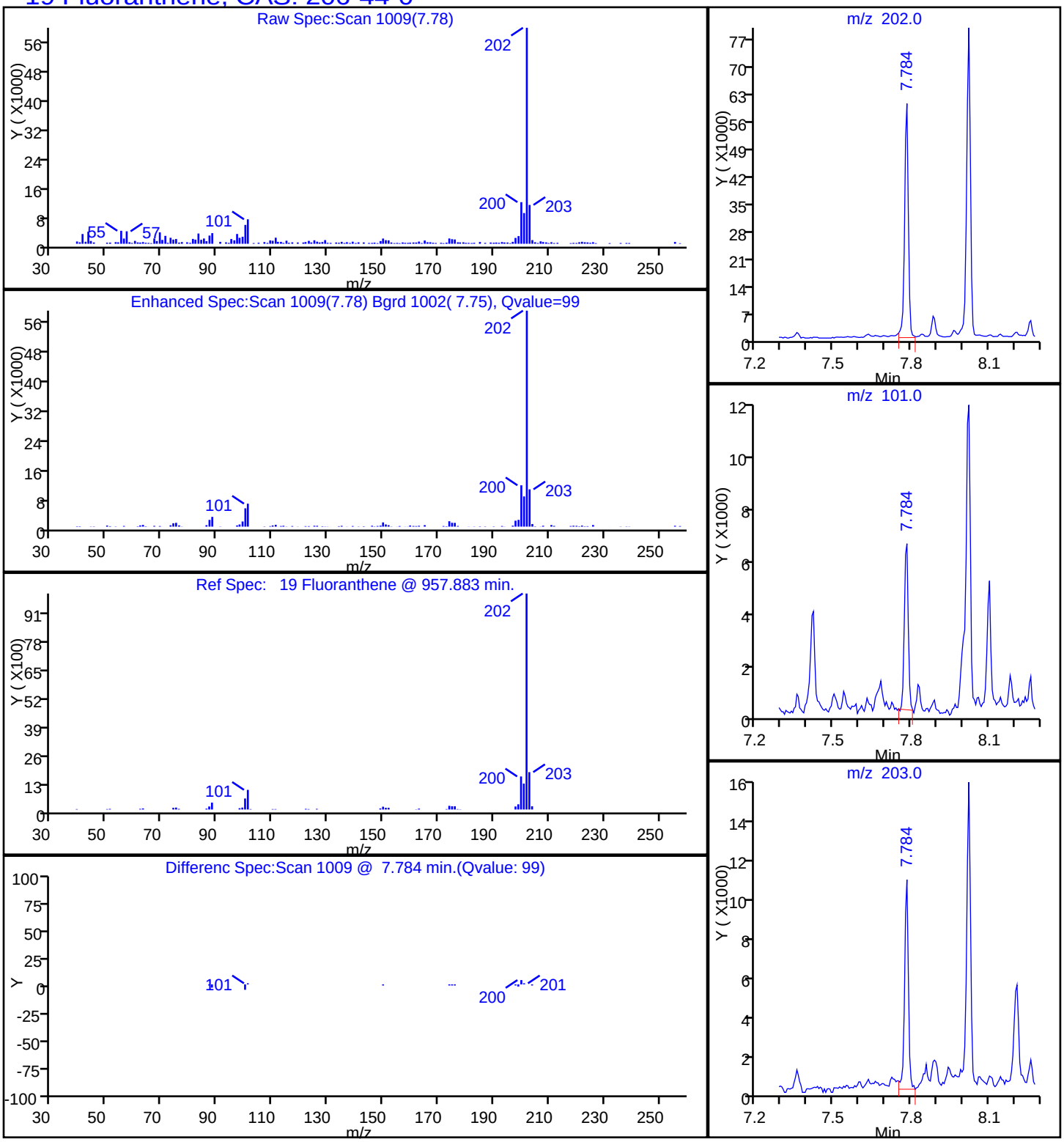


Report Date: 07-Feb-2015 08:53:27 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Injection Date:	06-Feb-2015 20:58:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25		
Client ID:	HP0320E-GS12"				
Operator ID:		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 Fluoranthene, CAS: 206-44-0

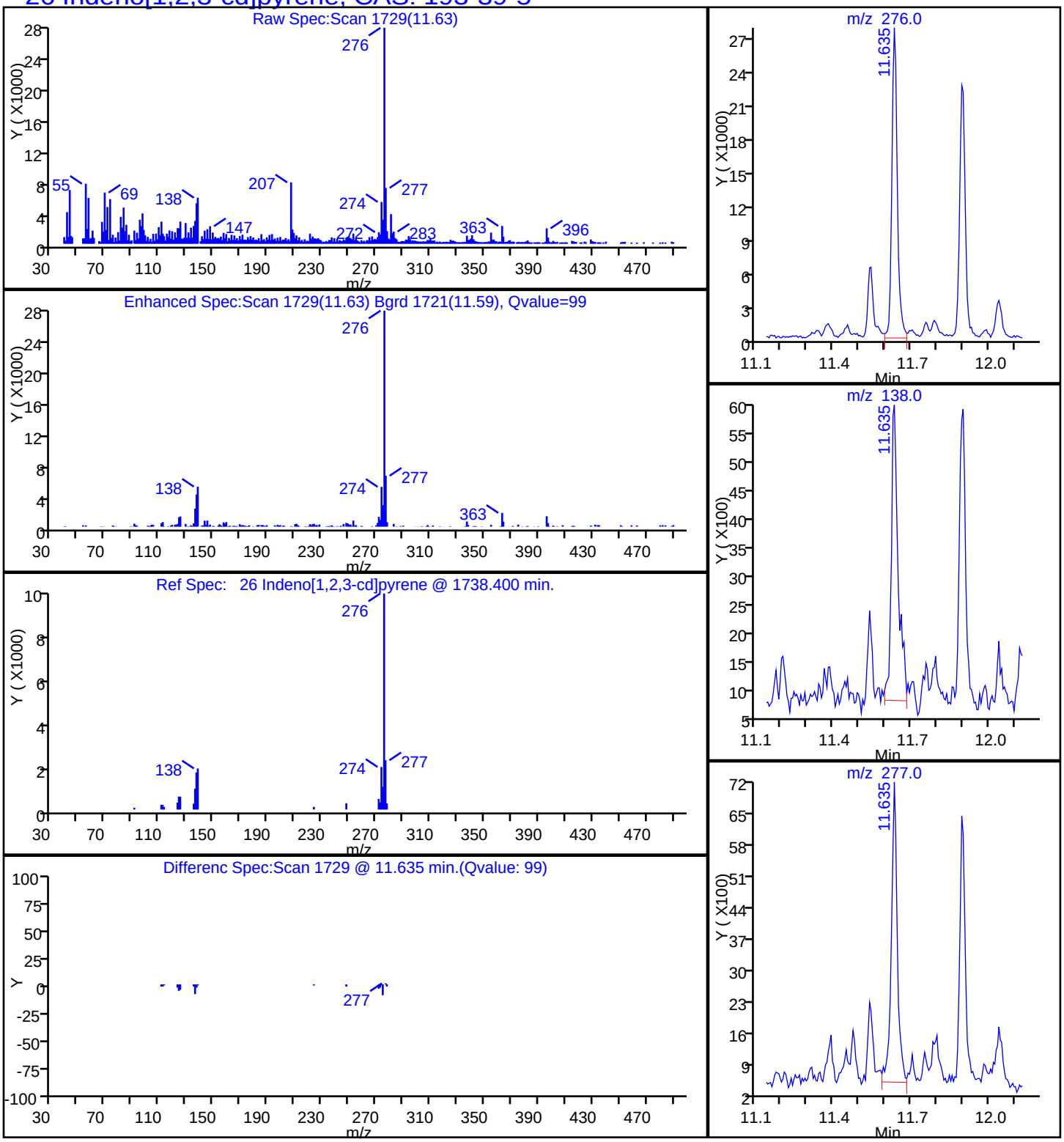


Report Date: 07-Feb-2015 08:53:27 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Injection Date:	06-Feb-2015 20:58:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25		
Client ID:	HP0320E-GS12"				
Operator ID:		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 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

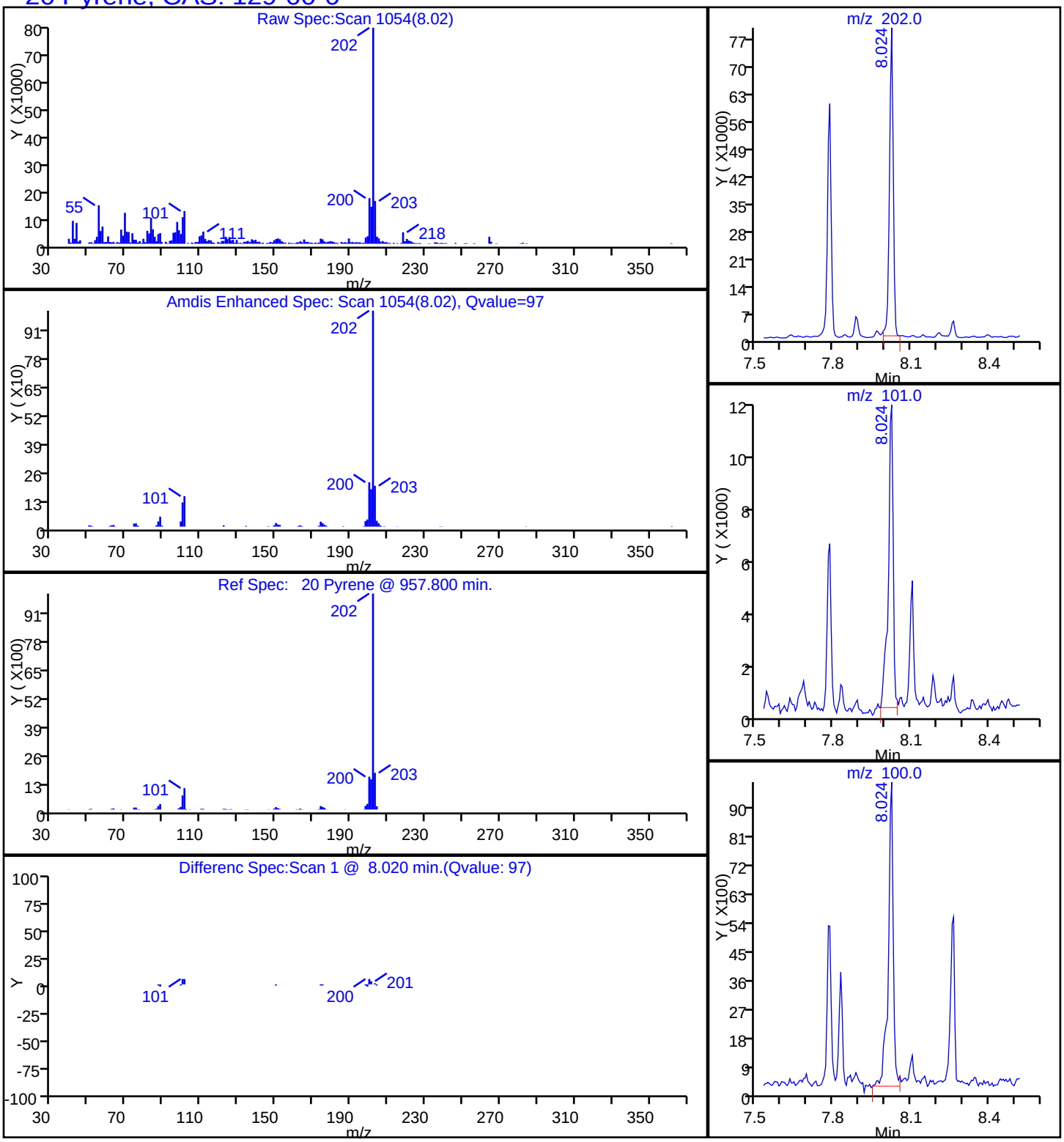


Report Date: 07-Feb-2015 08:53:27 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Injection Date:	06-Feb-2015 20:58:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25		
Client ID:	HP0320E-GS12"				
Operator ID:		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 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

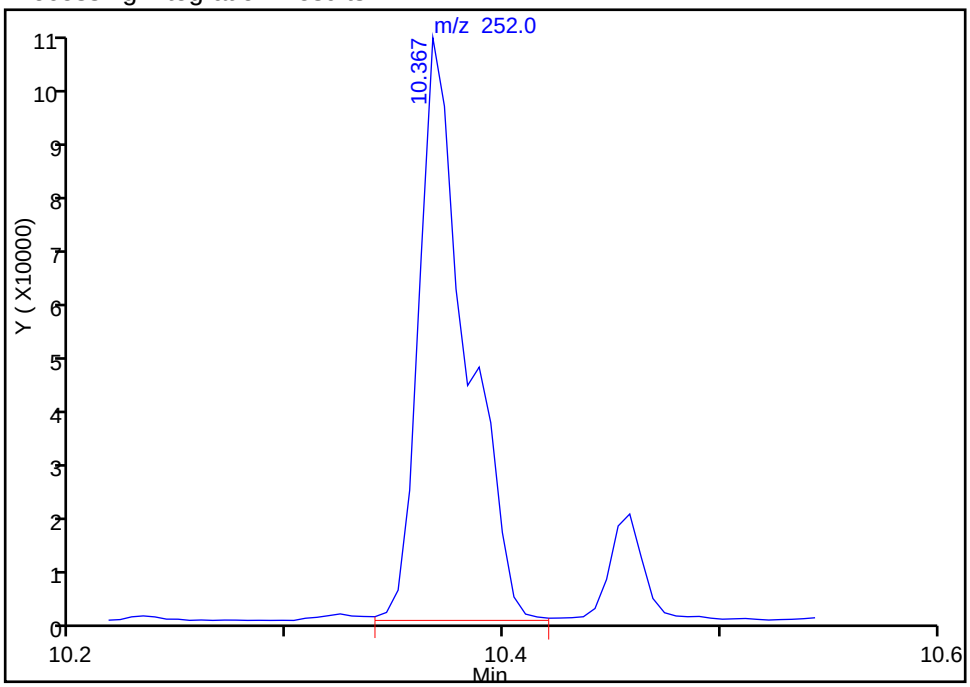
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Injection Date:	06-Feb-2015 20:58:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25		
Client ID:	HP0320E-GS12"				
Operator ID:		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[b]fluoranthene, CAS: 205-99-2

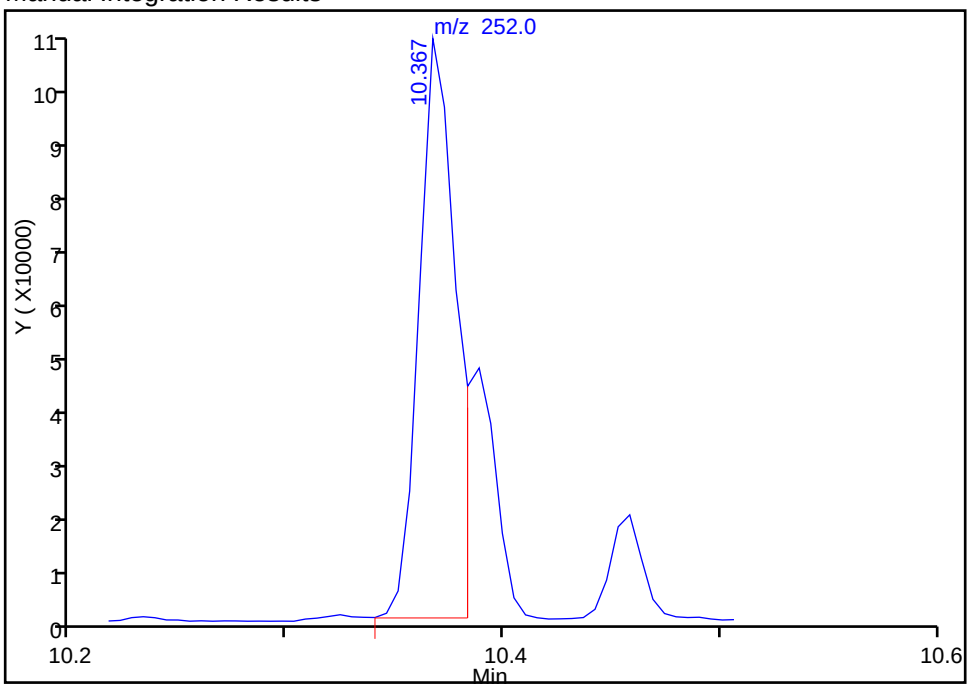
Processing Integration Results

RT: 10.37
Area: 161276
Amount: 0.721972
Amount Units: ug/ml



Manual Integration Results

RT: 10.37
Area: 126171
Amount: 0.564820
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:41:24
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

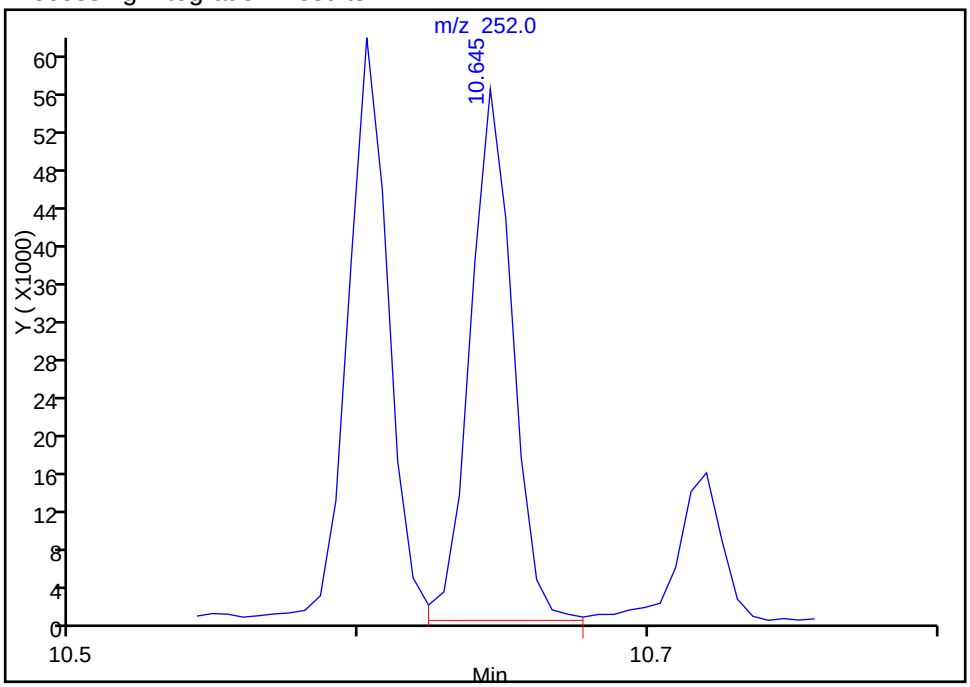
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0614.D				
Injection Date:	06-Feb-2015 20:58:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-25-A	Lab Sample ID:	680-109515-25		
Client ID:	HP0320E-GS12"				
Operator ID:		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 Benzo[k]fluoranthene, CAS: 207-08-9

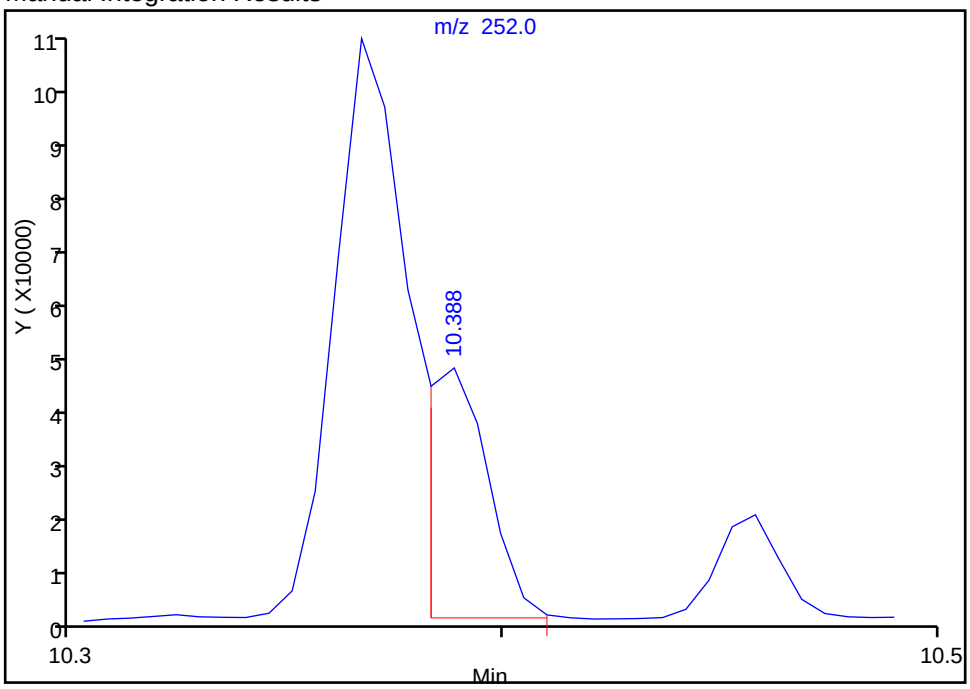
Processing Integration Results

RT: 10.65
Area: 56416
Amount: 0.249386
Amount Units: ug/ml



Manual Integration Results

RT: 10.39
Area: 45580
Amount: 0.201485
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:41:24
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320E-GS18" | Lab Sample ID: 680-109515-26

Matrix: Solid | Lab File ID: 2YB0615.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 11:30

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.18(g) | Date Analyzed: 02/06/2015 21:20

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

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

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

Analysis Batch No.: 369958 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.1	U	8.1	4.0
208-96-8	Acenaphthylene	8.1	U	8.1	4.0
120-12-7	Anthracene	8.1	U	8.1	4.0
56-55-3	Benzo[a]anthracene	8.1	U	8.1	4.0
50-32-8	Benzo[a]pyrene	3.1	J	8.1	1.4
205-99-2	Benzo[b]fluoranthene	5.9	J	8.1	4.0
191-24-2	Benzo[g,h,i]perylene	8.1	U	8.1	4.0
207-08-9	Benzo[k]fluoranthene	8.1	U	8.1	2.4
218-01-9	Chrysene	8.1	U	8.1	4.0
53-70-3	Dibenz(a,h)anthracene	8.1	U	8.1	4.0
206-44-0	Fluoranthene	8.1	U	8.1	4.0
86-73-7	Fluorene	8.1	U	8.1	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	8.1	U	8.1	4.0
90-12-0	1-Methylnaphthalene	8.1	U	8.1	3.7
91-57-6	2-Methylnaphthalene	8.1	U	8.1	4.0
91-20-3	Naphthalene	8.1	U	8.1	4.0
85-01-8	Phenanthrene	8.1	U	8.1	2.9
129-00-0	Pyrene	8.1	U	8.1	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	79		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0615.D				
Lims ID:	680-109515-A-26-A	Lab Sample ID:	680-109515-26		
Client ID:	HP0320E-GS18"				
Sample Type:	Client				
Inject. Date:	06-Feb-2015 21:20:30	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	109515-A-26-A				
Misc. Info.:	680-0016908-015				
Operator ID:		Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	07-Feb-2015 08:52:58	Calib Date:	03-Feb-2015 18:57:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D		

Column 1 :	Restek RXi-5Sil MS (0.25 mm)	Det: MS SCAN
Process Host:	XAWRK048	

First Level Reviewer: webbk Date: 07-Feb-2015 08:42:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.104	3.109	-0.005	98	474835	2.00	
* 2 Acenaphthene-d10	164	4.842	4.842	0.000	92	283555	2.00	
* 3 Phenanthrene-d10	188	6.446	6.436	0.010	98	492100	2.00	
* 4 Chrysene-d12	240	9.340	9.324	0.016	99	439360	2.00	
* 5 Perylene-d12	264	10.699	10.677	0.022	99	327484	2.00	
$ 6 o-Terphenyl	230	6.917	6.912	0.005	91	207209	1.59	
19 Fluoranthene	202	7.784	7.773	0.011	98	17337	0.0549	
20 Pyrene	202	8.024	8.014	0.010	97	21662	0.0734	
22 Chrysene	228	9.361	9.356	0.005	86	17295	0.0773	
23 Benzo[b]fluoranthene	252	10.367	10.356	0.011	98	32027	0.1483	M
24 Benzo[k]fluoranthene	252	10.388	10.378	0.010	97	10836	0.0496	7M
25 Benzo[a]pyrene	252	10.645	10.634	0.011	48	14922	0.0784	

QC Flag Legend

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

Reagents:

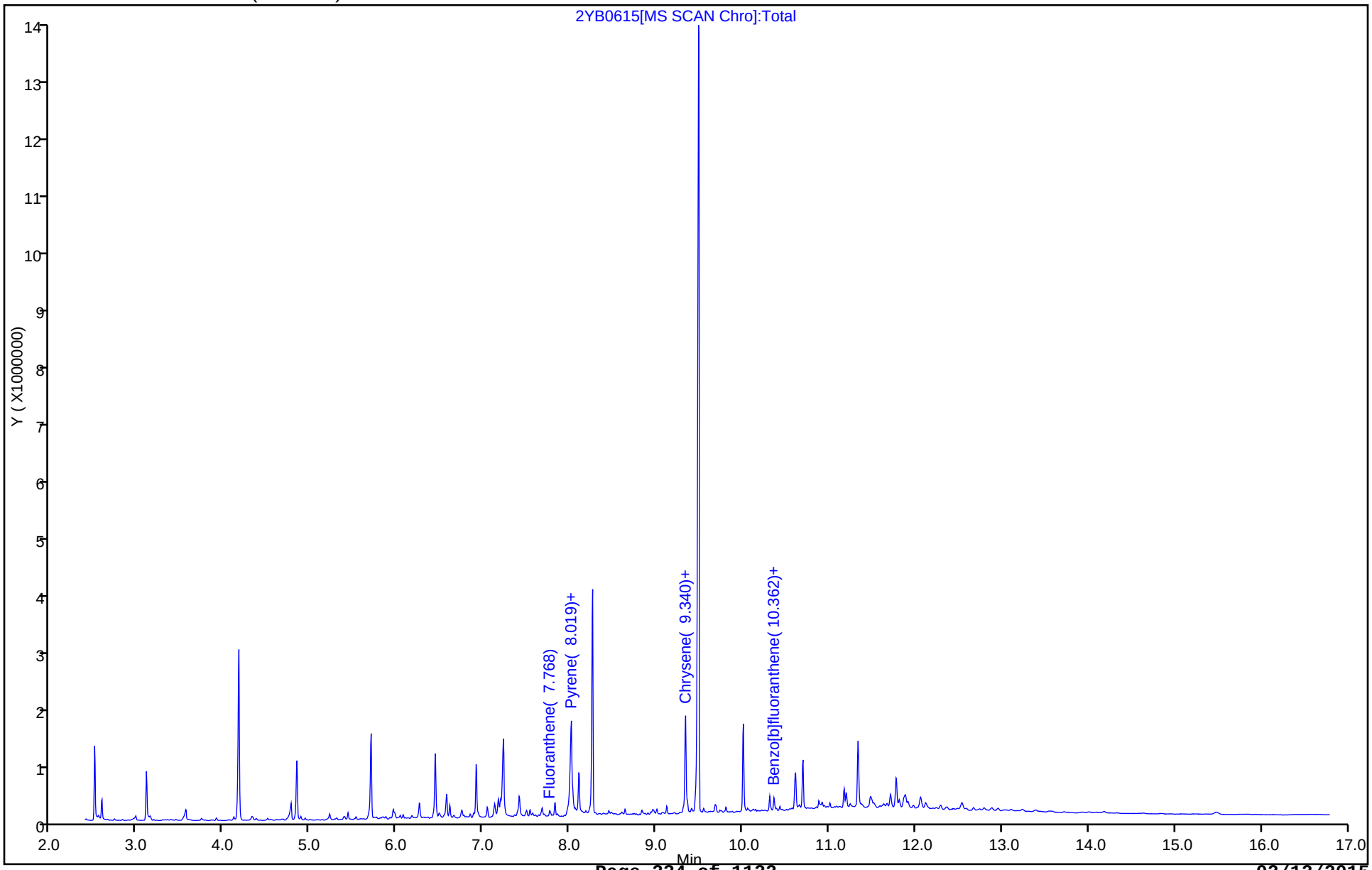
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 08:53:28 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0615.D				
Injection Date:	06-Feb-2015 21:20:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-A-26-A	Lab Sample ID:	680-109515-26	Worklist Smp#:	15
Client ID:	HP0320E-GS18"				
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)

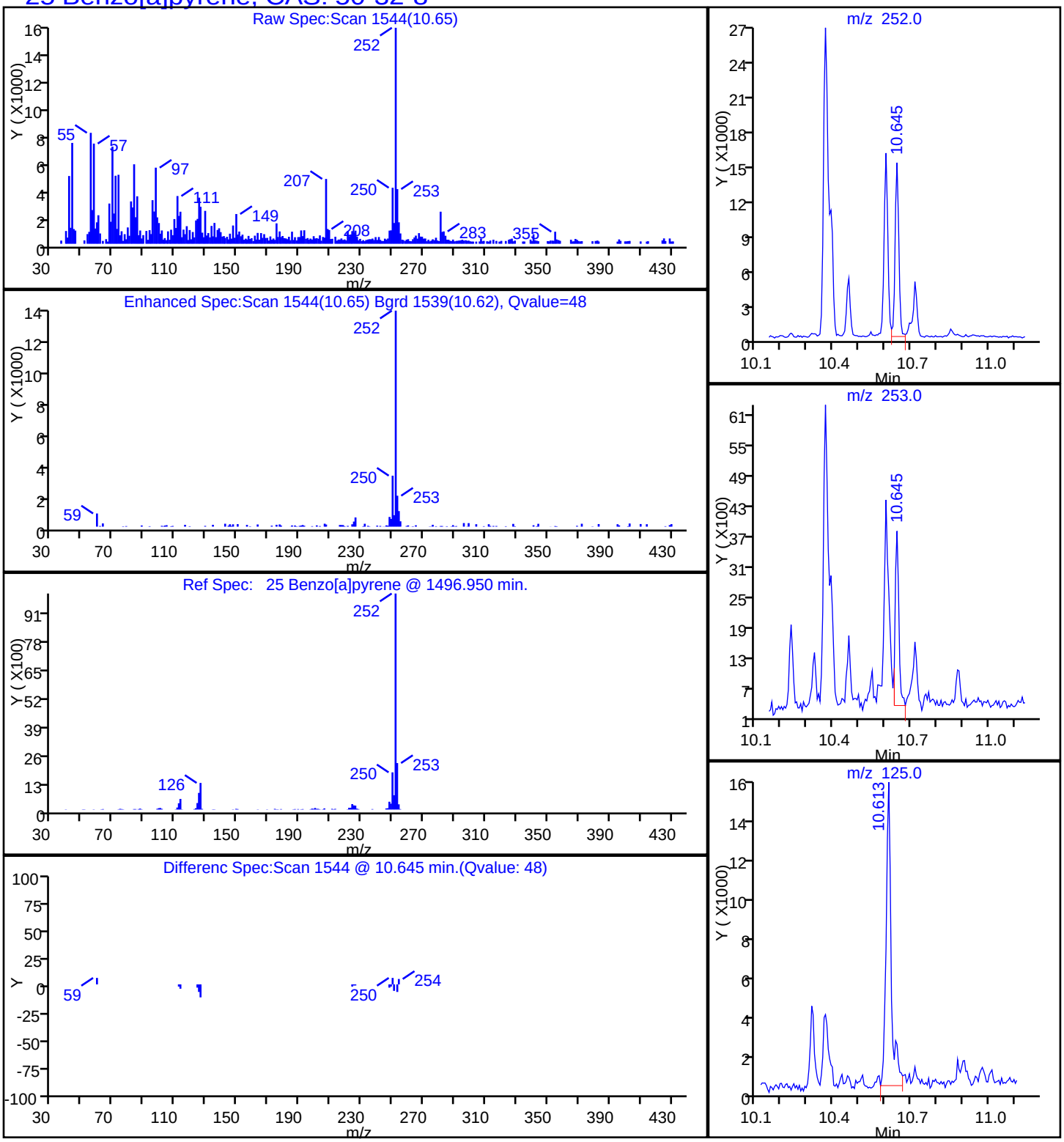


Report Date: 07-Feb-2015 08:53:28 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0615.D				
Injection Date:	06-Feb-2015 21:20:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-26-A	Lab Sample ID:	680-109515-26		
Client ID:	HP0320E-GS18"				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
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 Benzo[a]pyrene, CAS: 50-32-8

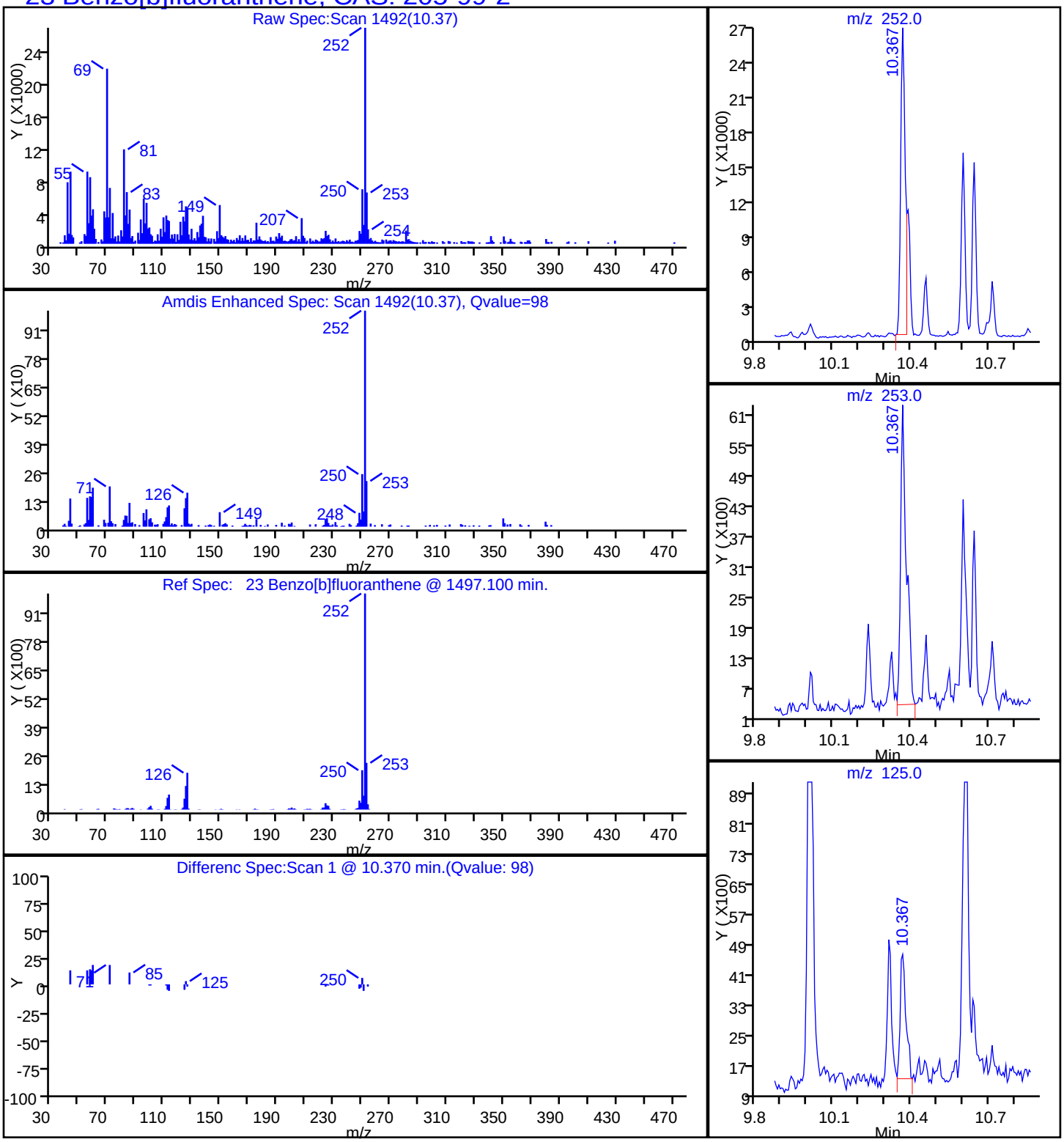


Report Date: 07-Feb-2015 08:53:28 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0615.D				
Injection Date:	06-Feb-2015 21:20:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-26-A	Lab Sample ID:	680-109515-26		
Client ID:	HP0320E-GS18"				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
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[b]fluoranthene, CAS: 205-99-2



Manual Integration/User Assign Peak Report

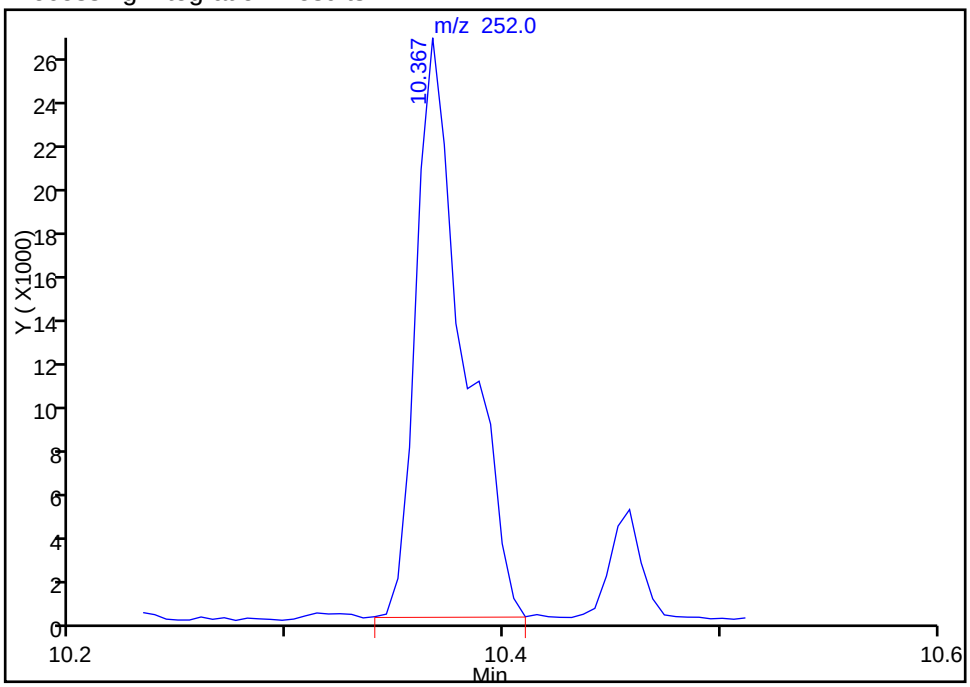
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0615.D				
Injection Date:	06-Feb-2015 21:20:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-26-A	Lab Sample ID:	680-109515-26		
Client ID:	HP0320E-GS18"				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
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[b]fluoranthene, CAS: 205-99-2

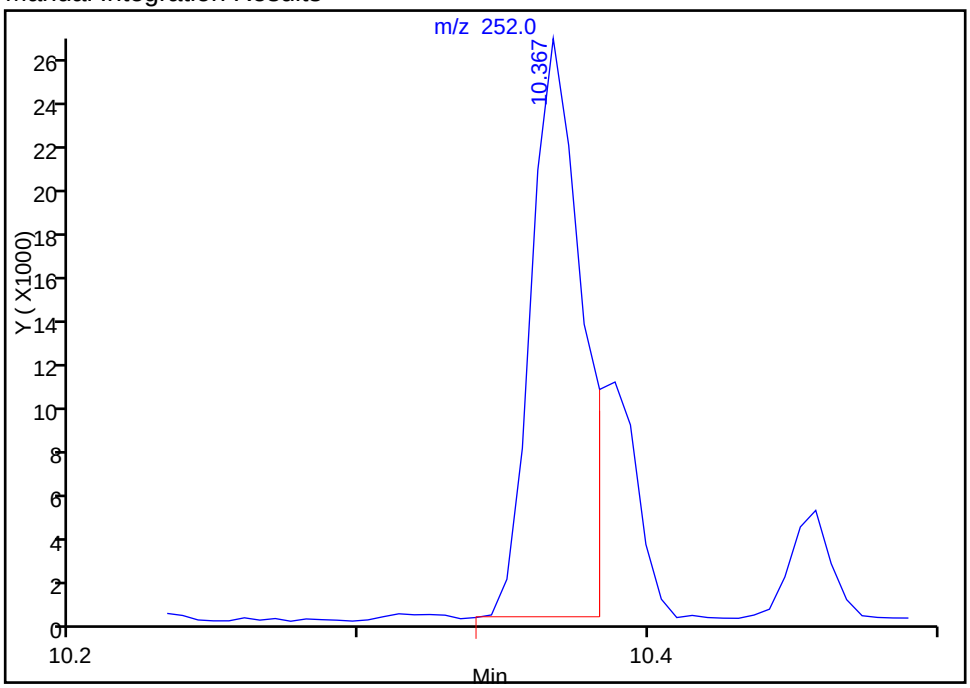
Processing Integration Results

RT: 10.37
Area: 39715
Amount: 0.183941
Amount Units: ug/ml



Manual Integration Results

RT: 10.37
Area: 32027
Amount: 0.148333
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:42:47
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

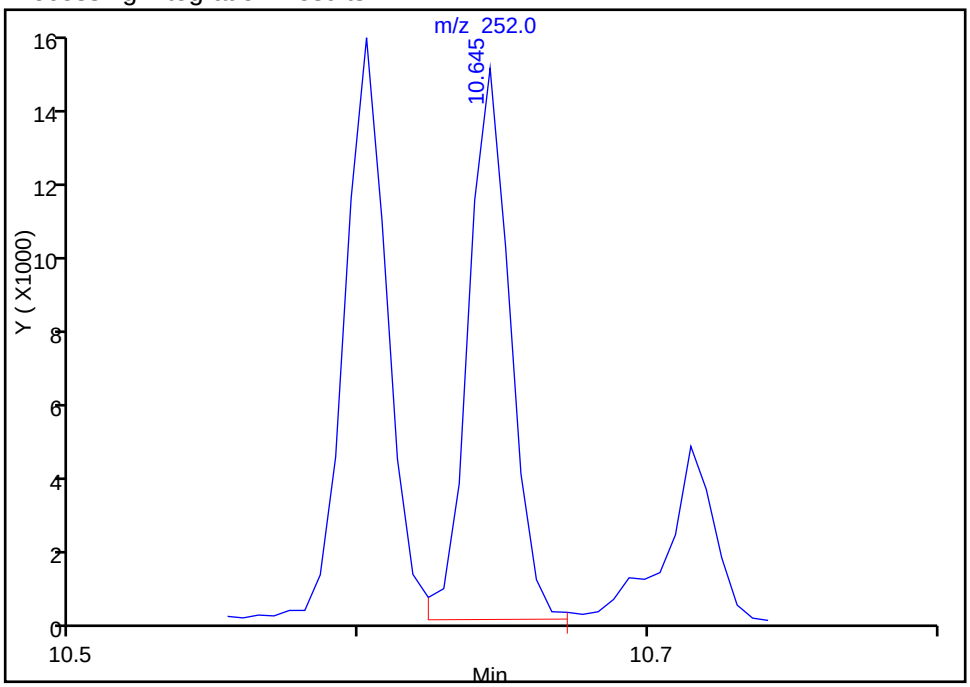
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0615.D				
Injection Date:	06-Feb-2015 21:20:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-26-A	Lab Sample ID:	680-109515-26		
Client ID:	HP0320E-GS18"				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
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 Benzo[k]fluoranthene, CAS: 207-08-9

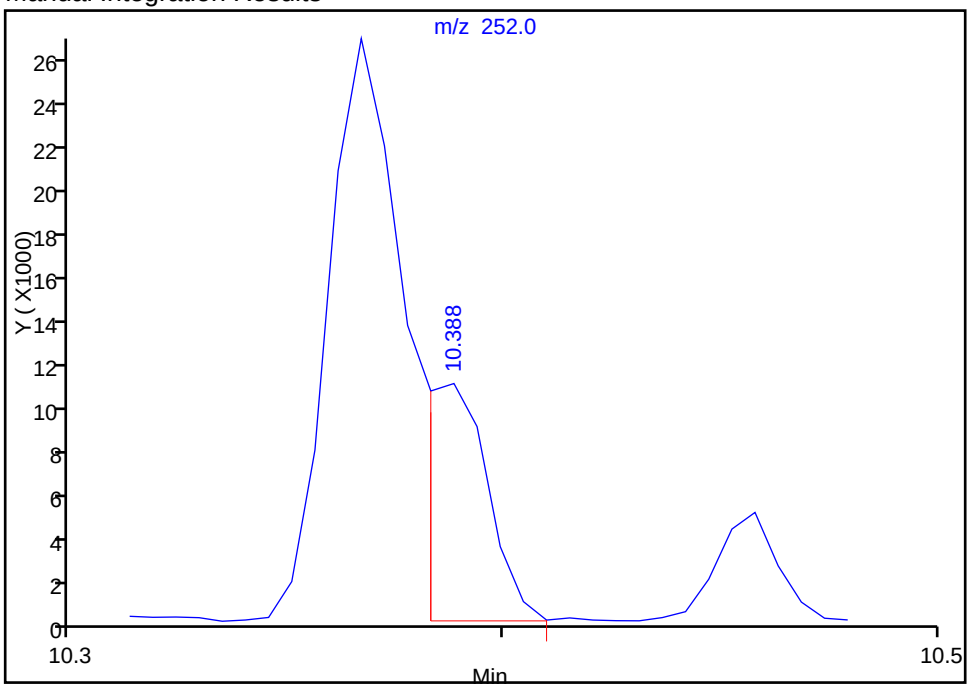
Processing Integration Results

RT: 10.65
Area: 14771
Amount: 0.067554
Amount Units: ug/ml



Manual Integration Results

RT: 10.39
Area: 10836
Amount: 0.049558
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:42:47
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320E-GS24" | Lab Sample ID: 680-109515-27

Matrix: Solid | Lab File ID: 2YB0616.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 11:35

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.21(g) | Date Analyzed: 02/06/2015 21:43

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

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

% Moisture: 17.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369958 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.1	U	8.1	4.0
208-96-8	Acenaphthylene	8.1	U	8.1	4.0
120-12-7	Anthracene	8.1	U	8.1	4.0
56-55-3	Benzo[a]anthracene	8.1	U	8.1	4.0
50-32-8	Benzo[a]pyrene	8.1	U	8.1	1.5
205-99-2	Benzo[b]fluoranthene	8.1	U	8.1	4.0
191-24-2	Benzo[g,h,i]perylene	8.1	U	8.1	4.0
207-08-9	Benzo[k]fluoranthene	8.1	U	8.1	2.4
218-01-9	Chrysene	8.1	U	8.1	4.0
53-70-3	Dibenz(a,h)anthracene	8.1	U	8.1	4.0
206-44-0	Fluoranthene	8.1	U	8.1	4.0
86-73-7	Fluorene	8.1	U	8.1	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	8.1	U	8.1	4.0
90-12-0	1-Methylnaphthalene	8.1	U	8.1	3.8
91-57-6	2-Methylnaphthalene	8.1	U	8.1	4.0
91-20-3	Naphthalene	8.1	U	8.1	4.0
85-01-8	Phenanthrene	8.1	U	8.1	2.9
129-00-0	Pyrene	8.1	U	8.1	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	71		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0616.D				
Lims ID:	680-109515-B-27-A	Lab Sample ID:	680-109515-27		
Client ID:	HP0320E-GS24"				
Sample Type:	Client				
Inject. Date:	06-Feb-2015 21:43:30	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	109515-B-27-A				
Misc. Info.:	680-0016908-016				
Operator ID:		Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	07-Feb-2015 08:52:58	Calib Date:	03-Feb-2015 18:57:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D		

Column 1 :	Restek RXi-5Sil MS (0.25 mm)	Det: MS SCAN
Process Host:	XAWRK048	

First Level Reviewer: webbk Date: 07-Feb-2015 08:43:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.104	3.109	-0.005	98	493143	2.00	
* 2 Acenaphthene-d10	164	4.842	4.842	0.000	92	293644	2.00	
* 3 Phenanthrene-d10	188	6.447	6.436	0.010	98	502811	2.00	
* 4 Chrysene-d12	240	9.340	9.324	0.016	99	445604	2.00	
* 5 Perylene-d12	264	10.699	10.677	0.022	99	330131	2.00	
$ 6 o-Terphenyl	230	6.917	6.912	0.005	92	187933	1.42	
19 Fluoranthene	202	7.784	7.773	0.011	96	15467	0.0479	7
20 Pyrene	202	8.024	8.014	0.010	96	12740	0.0426	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

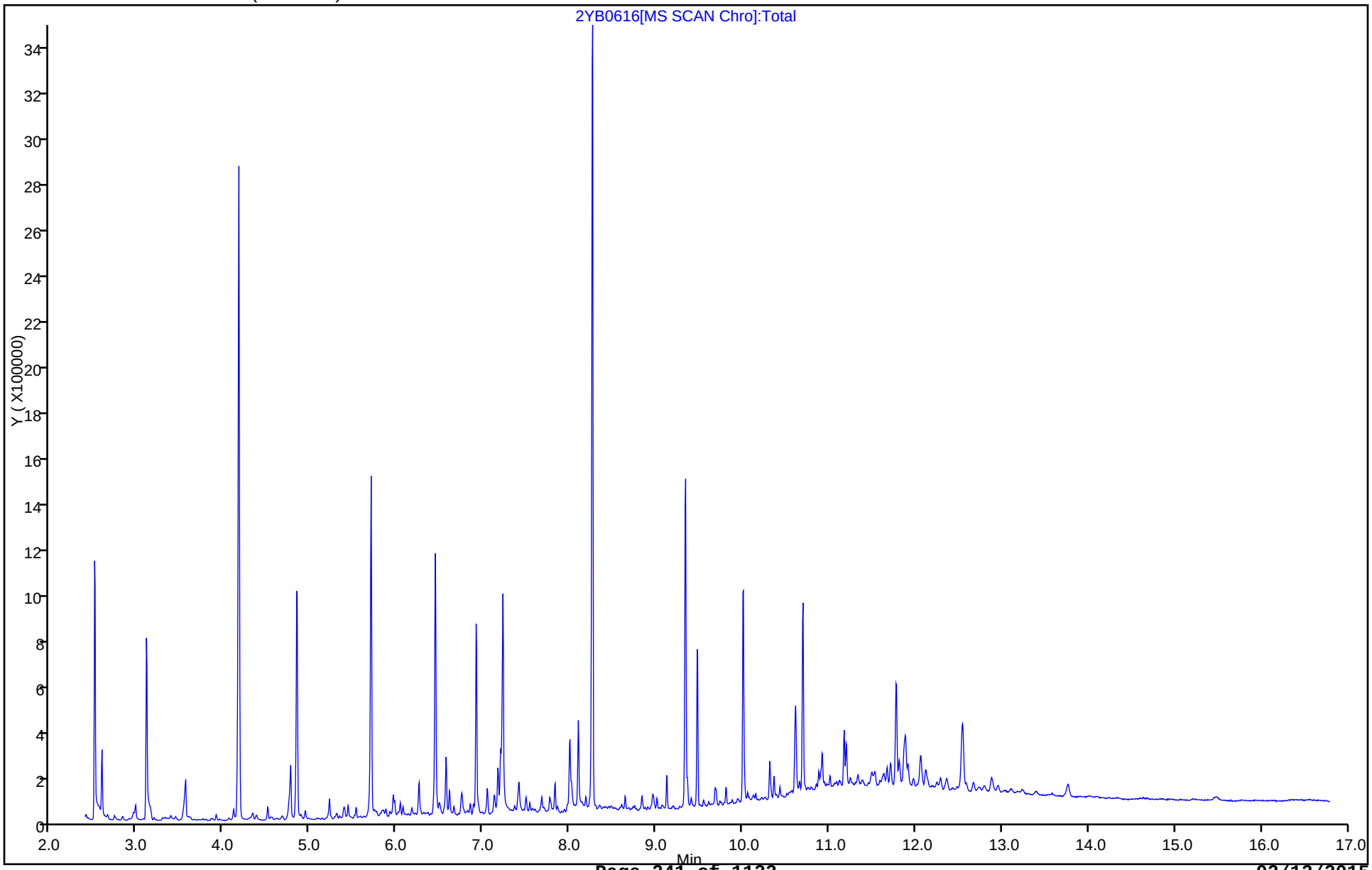
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 08:53:29 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0616.D				
Injection Date:	06-Feb-2015 21:43:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-B-27-A	Lab Sample ID:	680-109515-27	Worklist Smp#:	16
Client ID:	HP0320E-GS24"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320K-CS6" | Lab Sample ID: 680-109515-28

Matrix: Solid | Lab File ID: 1KB0708.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 13:15

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.22(g) | Date Analyzed: 02/07/2015 12:15

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

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

% Moisture: 20.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369988 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	320		83	41
208-96-8	Acenaphthylene	83	U	83	41
120-12-7	Anthracene	850		83	41
56-55-3	Benzo[a]anthracene	1900		83	41
50-32-8	Benzo[a]pyrene	1400		83	15
205-99-2	Benzo[b]fluoranthene	2300		83	41
191-24-2	Benzo[g,h,i]perylene	910		83	41
207-08-9	Benzo[k]fluoranthene	940		83	25
218-01-9	Chrysene	1800		83	41
53-70-3	Dibenz(a,h)anthracene	310		83	41
206-44-0	Fluoranthene	4600		83	41
86-73-7	Fluorene	360		83	41
193-39-5	Indeno[1,2,3-cd]pyrene	870		83	41
90-12-0	1-Methylnaphthalene	43	J	83	38
91-57-6	2-Methylnaphthalene	61	J	83	41
91-20-3	Naphthalene	110		83	41
85-01-8	Phenanthrene	3300		83	30
129-00-0	Pyrene	2700		83	41

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D
Lims ID: 680-109515-A-28-A Lab Sample ID: 680-109515-28
Client ID: HP0320K-CS6"
Sample Type: Client
Inject. Date: 07-Feb-2015 12:15:30 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 10.0000
Sample Info: 680-109515-A-28-A 1:10
Misc. Info.: 680-0016917-008
Operator ID: Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 09-Feb-2015 10:58:38 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: webbk Date: 07-Feb-2015 12:43:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.090	4.090	0.000	99	631108	2.00	
* 2 Acenaphthene-d10	164	5.876	5.882	-0.006	94	341092	2.00	
* 3 Phenanthrene-d10	188	7.492	7.492	0.000	99	537253	2.00	
* 4 Chrysene-d12	240	10.324	10.324	0.000	99	524932	2.00	
* 5 Perylene-d12	264	11.787	11.793	-0.006	98	442355	2.00	
7 Naphthalene	128	4.108	4.114	-0.006	99	94697	0.2620	
9 2-Methylnaphthalene	142	4.789	4.789	0.000	86	33501	0.1478	
8 1-Methylnaphthalene	142	4.889	4.889	0.000	92	21226	0.1035	
12 Acenaphthene	153	5.912	5.912	0.000	96	165031	0.7729	
14 Fluorene	166	6.470	6.470	0.000	95	195209	0.8656	
15 Phenanthrene	178	7.522	7.522	0.000	96	2658586	7.94	
16 Anthracene	178	7.574	7.575	-0.001	97	634128	2.05	
17 Fluoranthene	202	8.826	8.820	0.006	98	3873039	11.1	
18 Pyrene	202	9.067	9.061	0.006	97	2772630	6.55	
19 Benzo[a]anthracene	228	10.313	10.313	-0.001	97	1566420	4.63	
20 Chrysene	228	10.348	10.348	0.000	97	1393044	4.29	
21 Benzo[b]fluoranthene	252	11.376	11.382	-0.006	98	1680144	5.45	
22 Benzo[k]fluoranthene	252	11.399	11.411	-0.012	96	681877	2.28	M
23 Benzo[a]pyrene	252	11.729	11.734	-0.005	97	926461	3.49	
24 Indeno[1,2,3-cd]pyrene	276	13.186	13.192	-0.006	97	575353	2.09	
25 Dibenz(a,h)anthracene	278	13.203	13.221	-0.018	94	149604	0.7455	
26 Benzo[g,h,i]perylene	276	13.597	13.609	-0.012	97	479458	2.21	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

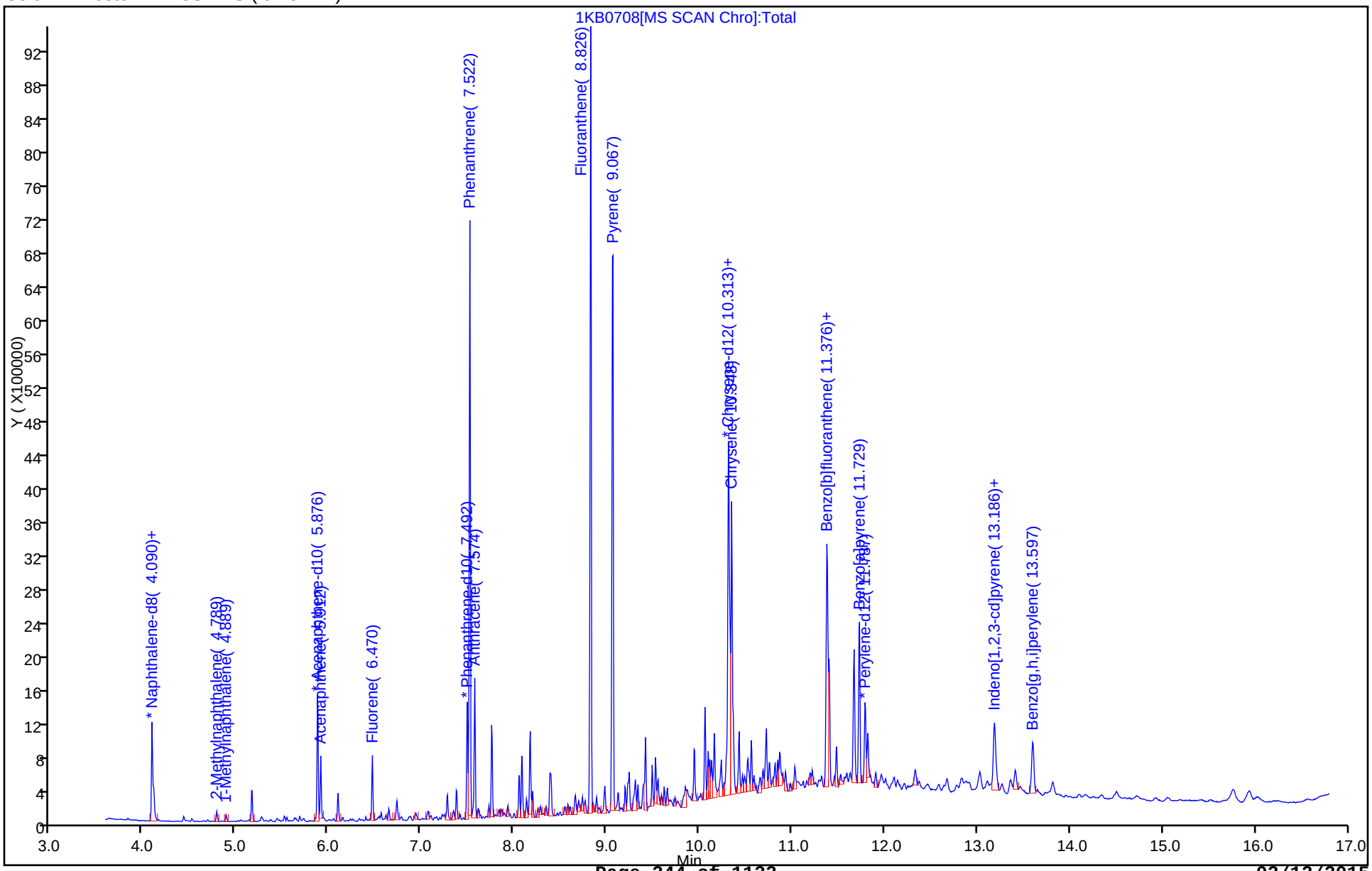
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Feb-2015 10:58:44 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK	Operator ID:	
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28	Worklist Smp#:	8
Client ID:	HP0320K-CS6"				
Injection Vol:	2.0 ul	Dil. Factor:	10.0000	ALS Bottle#:	7
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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

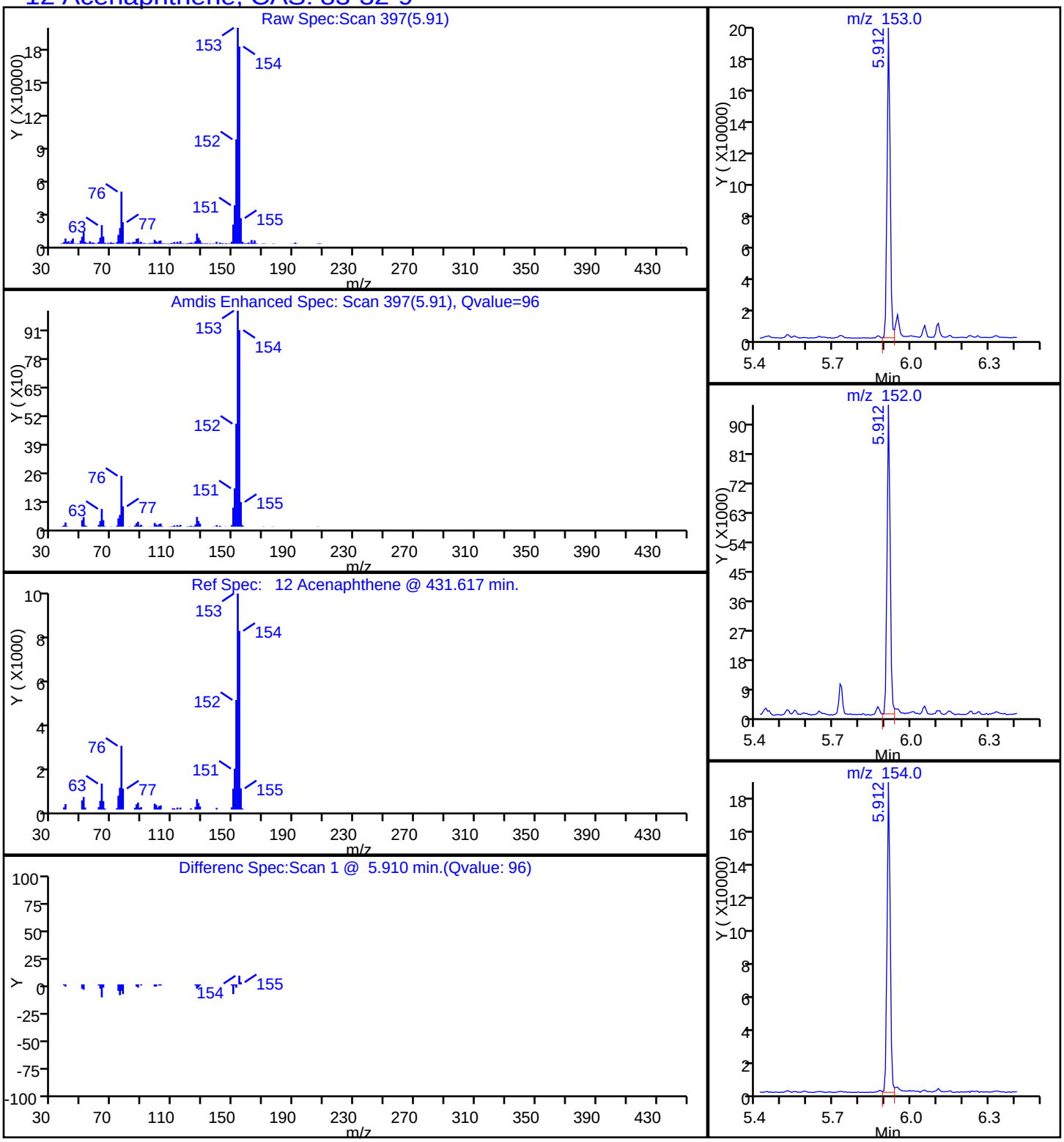


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

12 Acenaphthene, CAS: 83-32-9

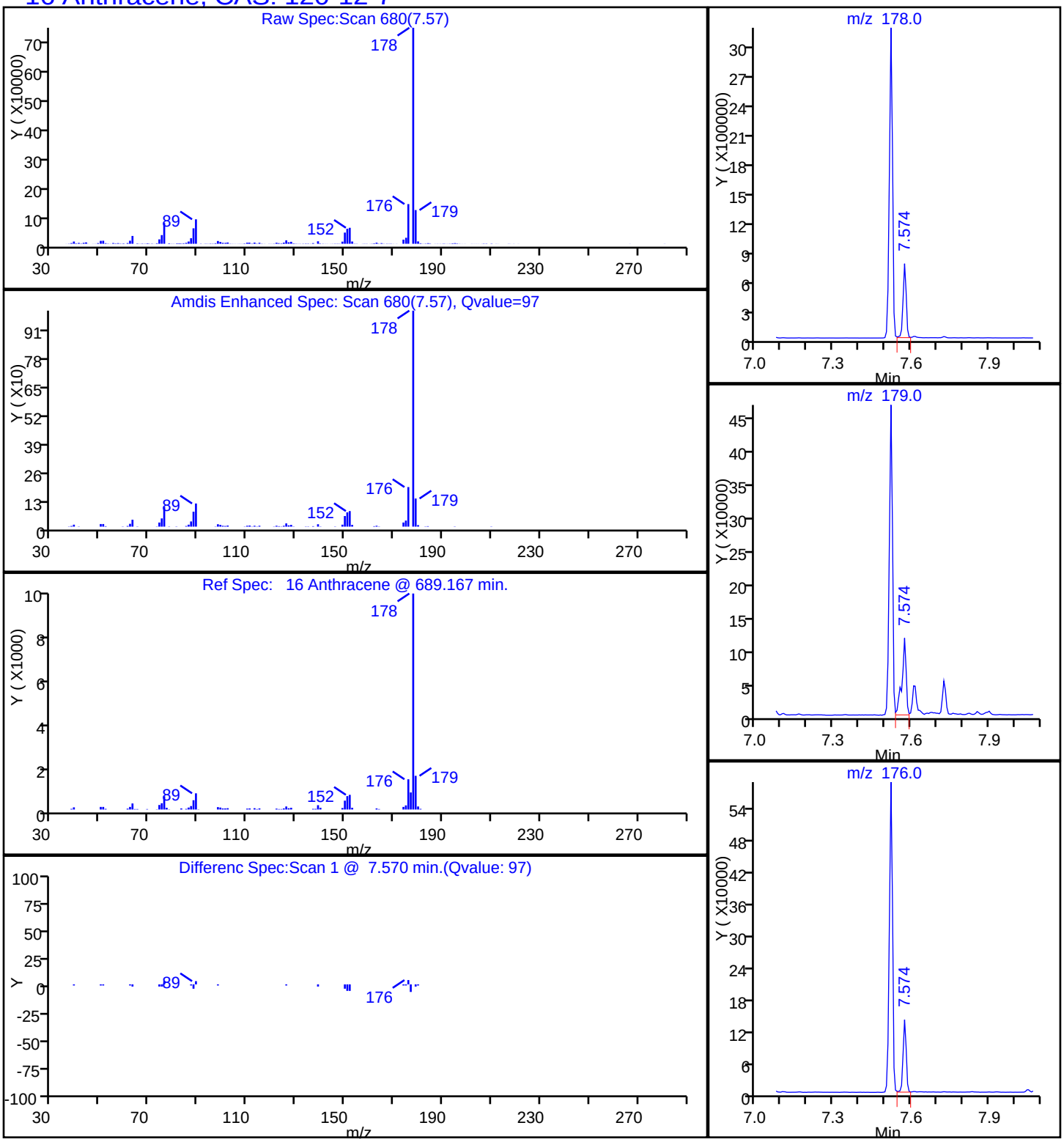


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7

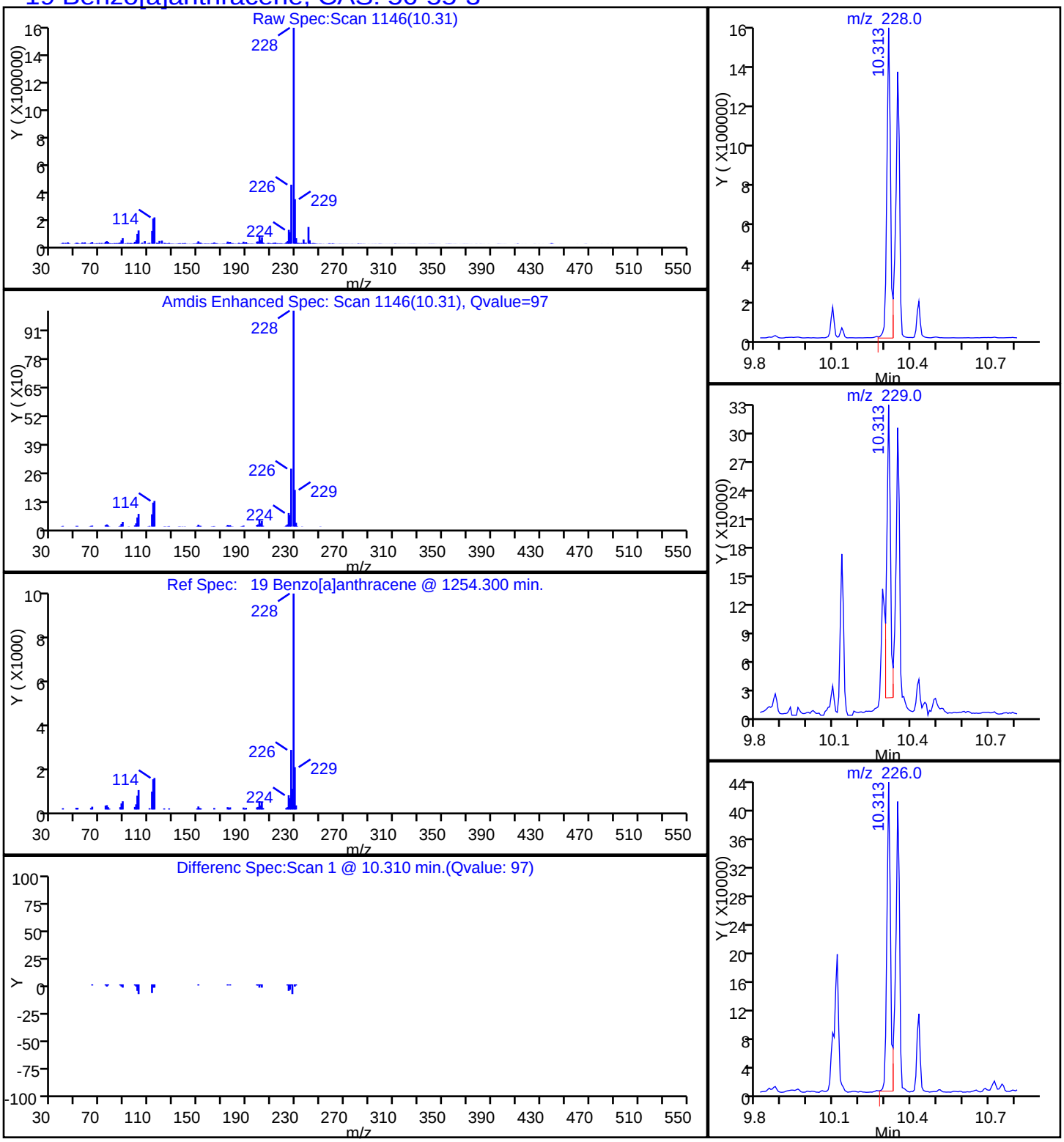


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

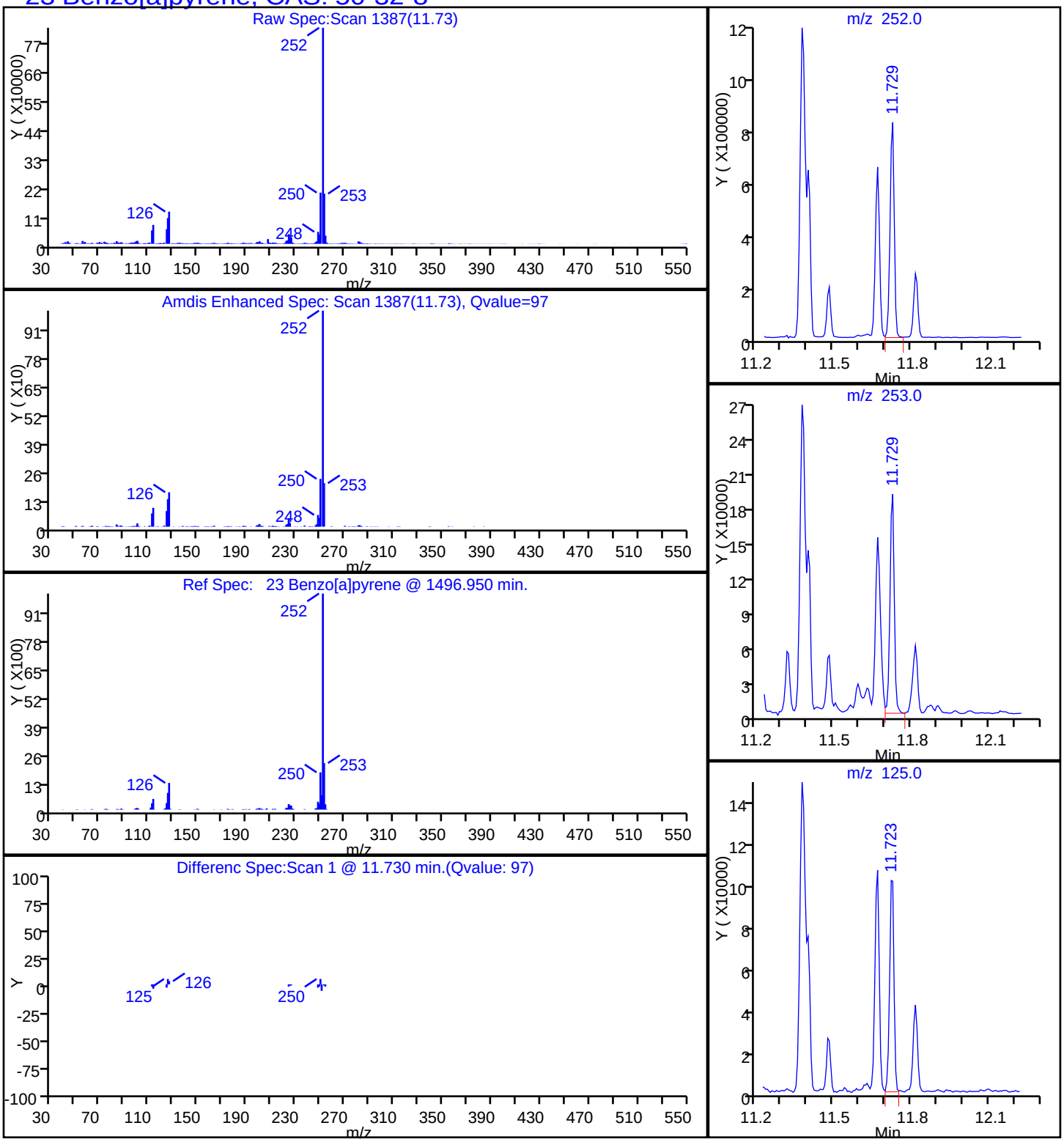


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

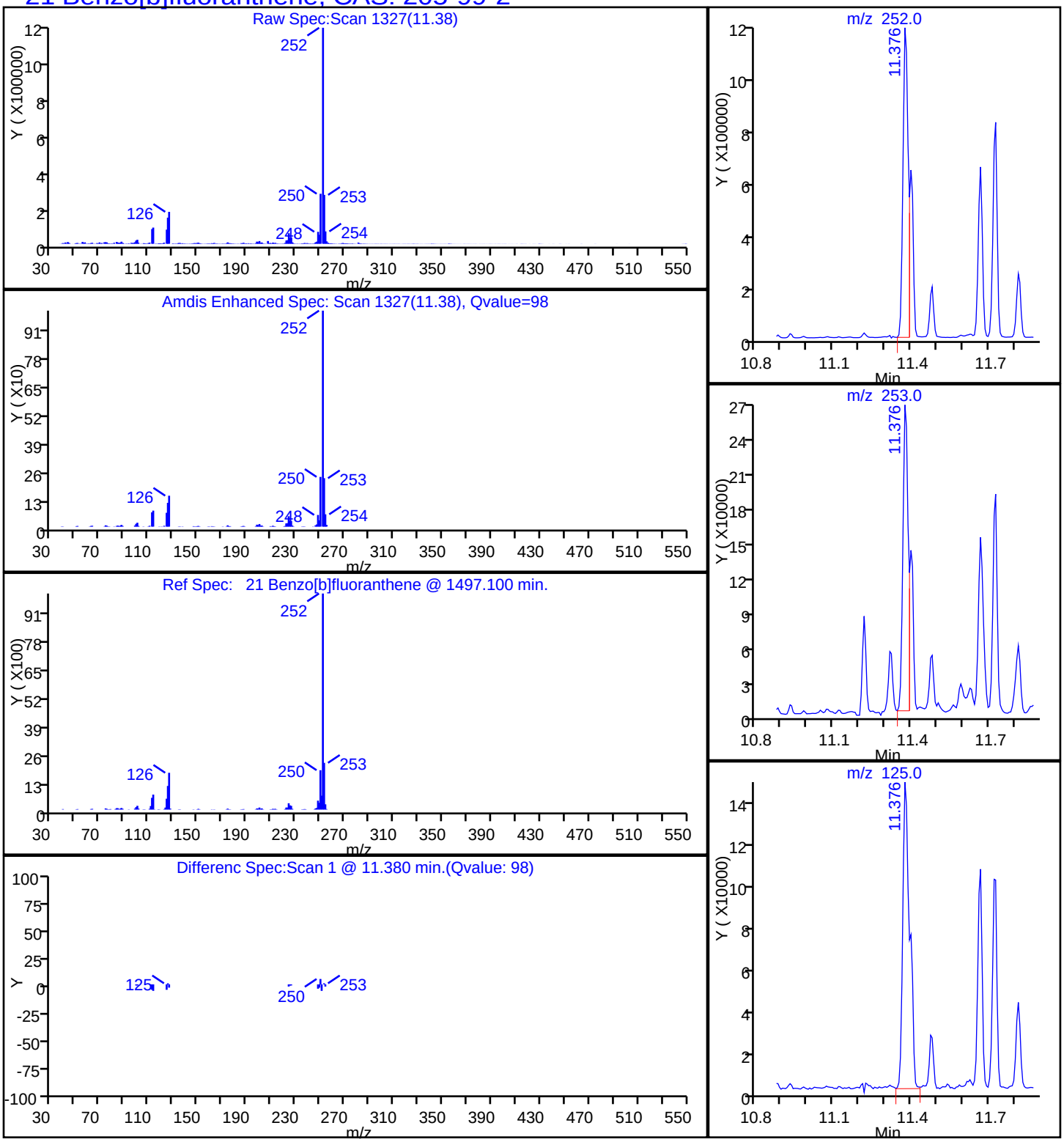


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

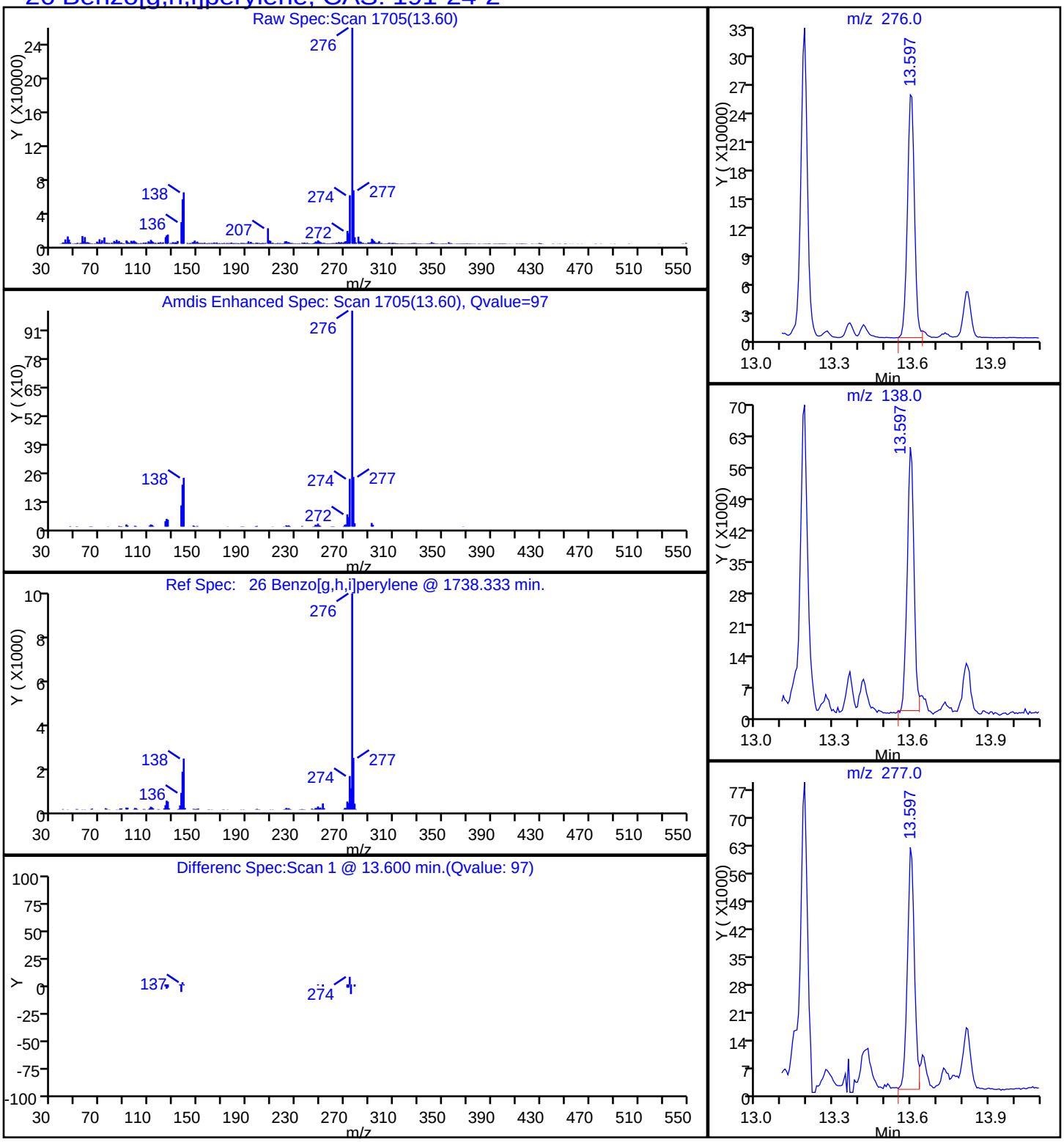


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

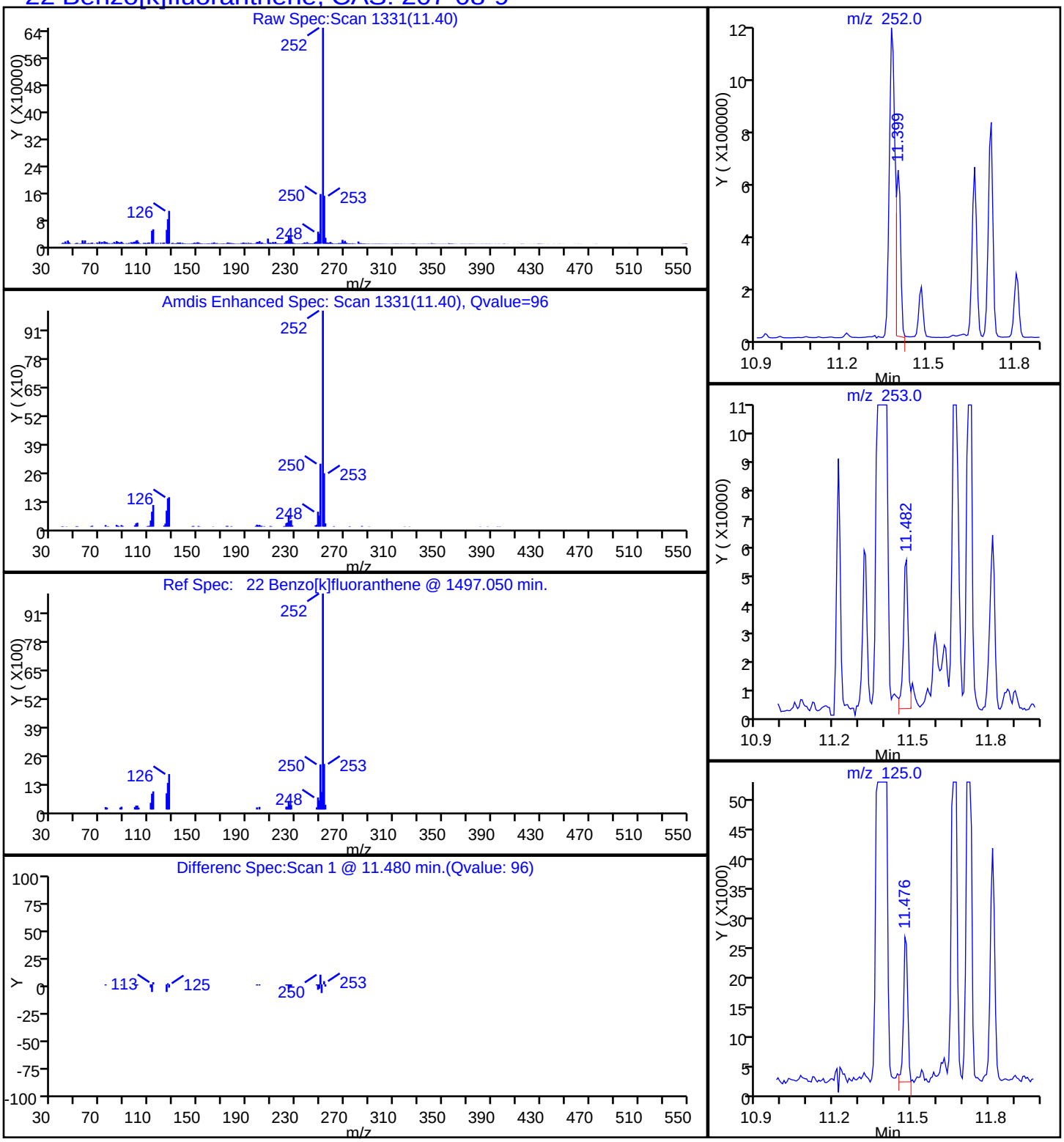


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

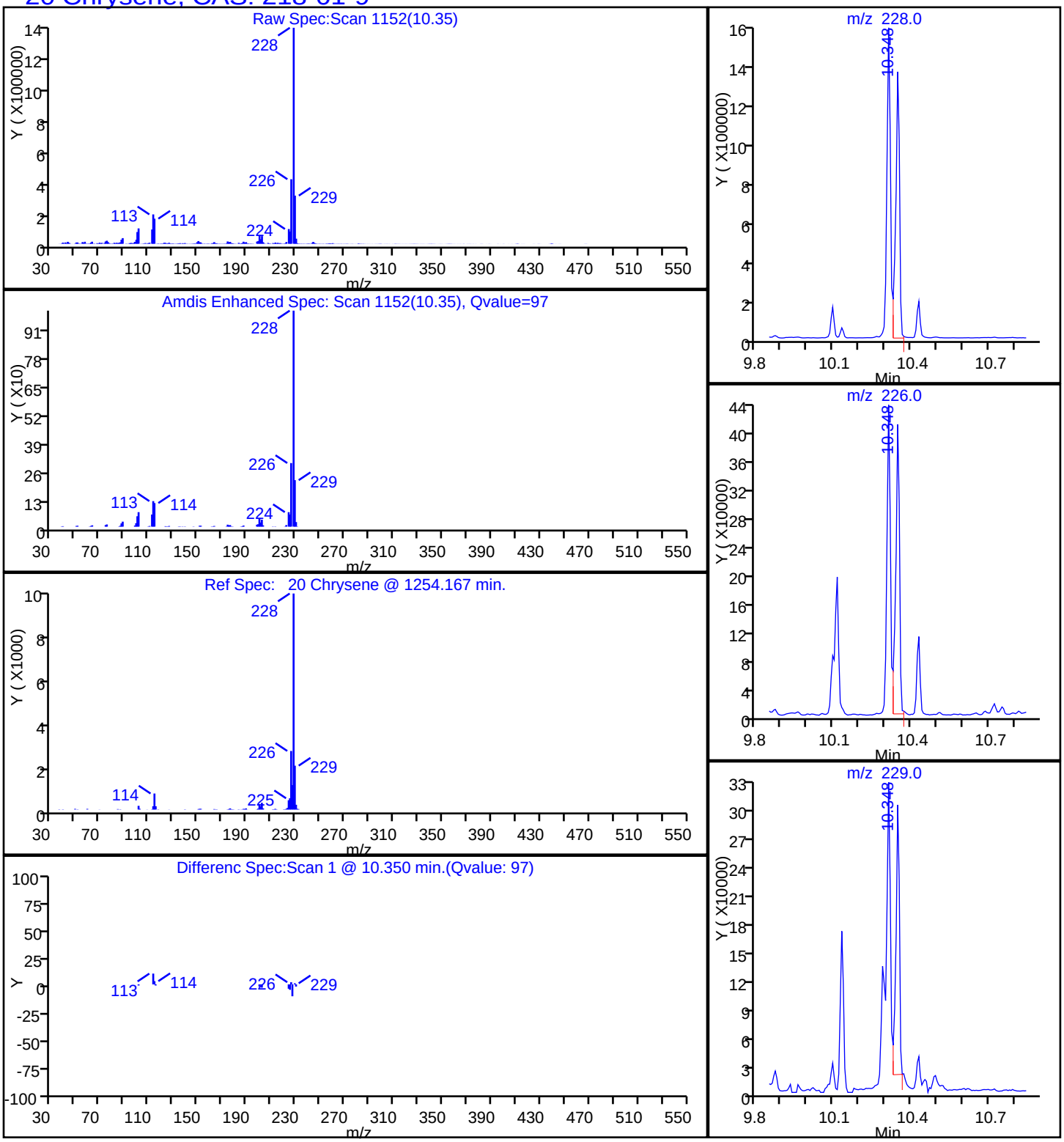


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9

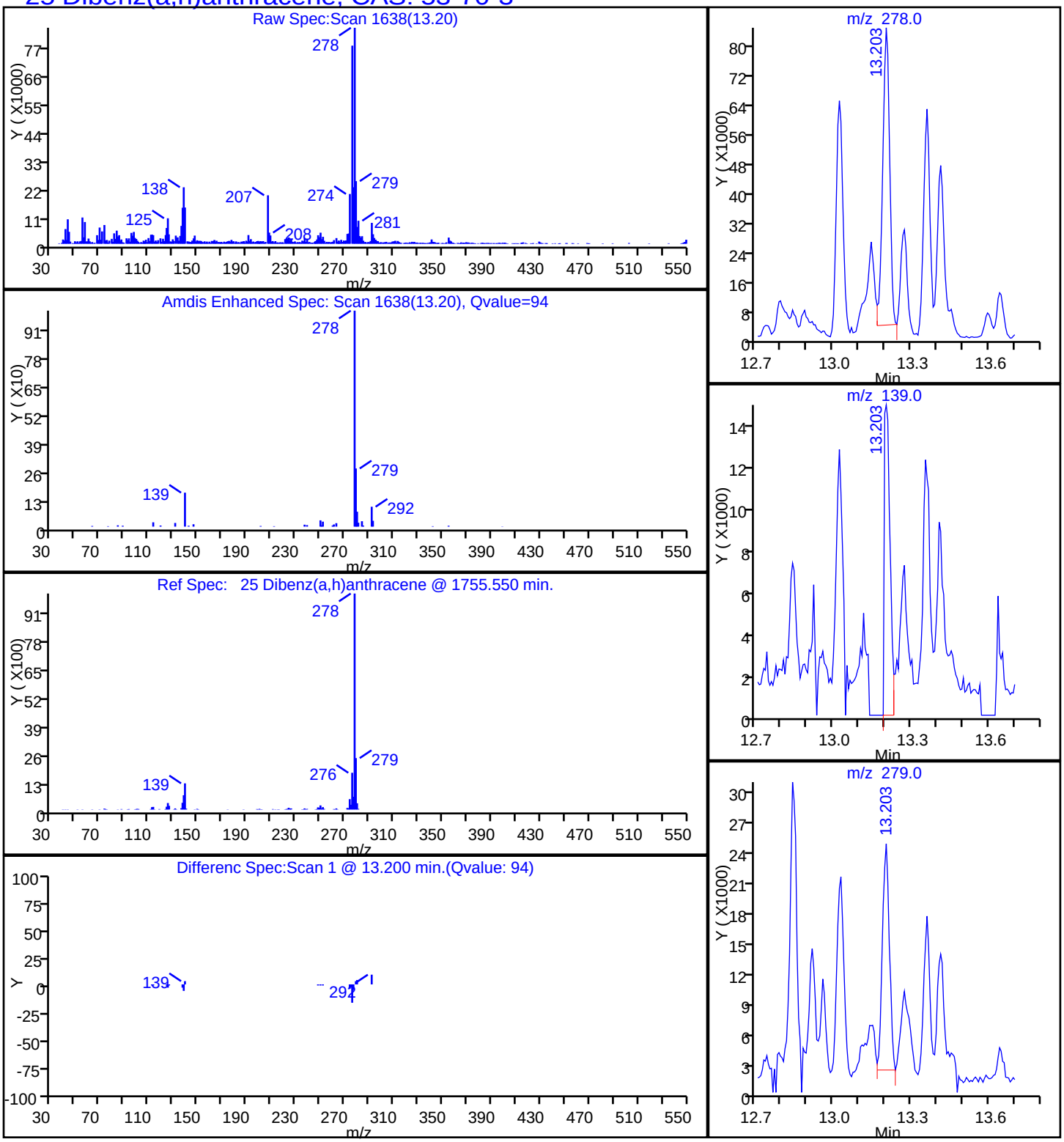


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

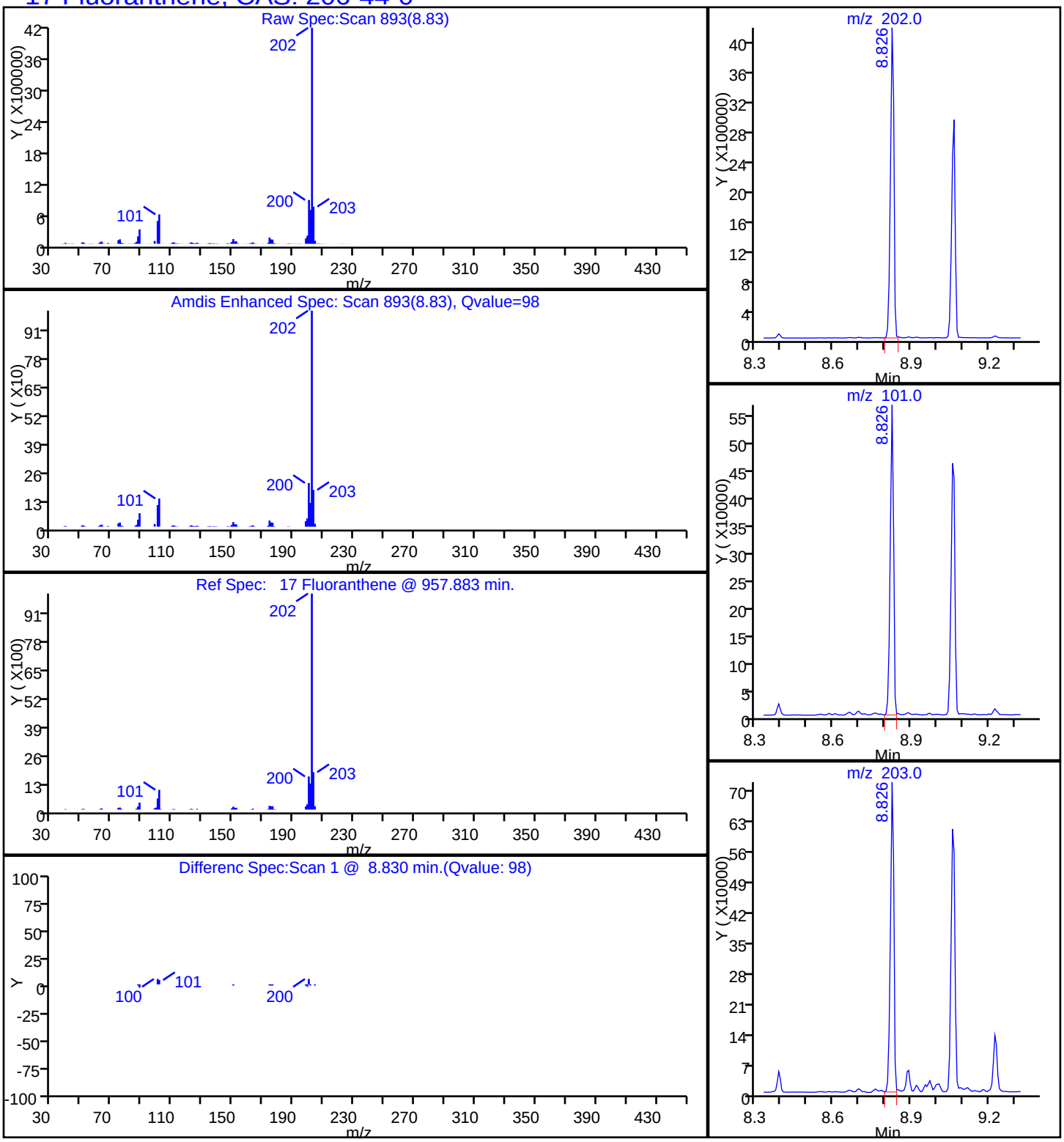


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0

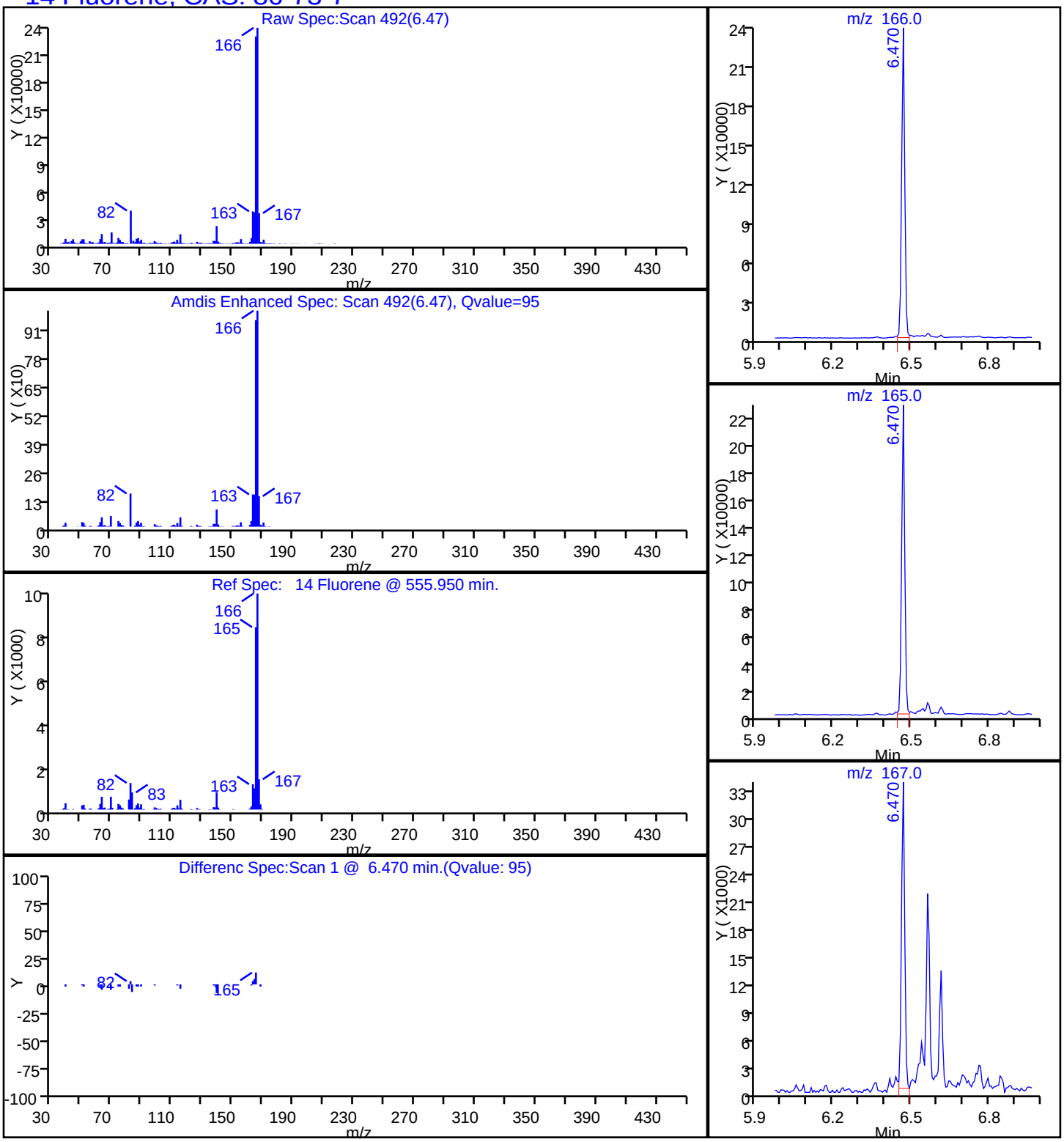


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

14 Fluorene, CAS: 86-73-7

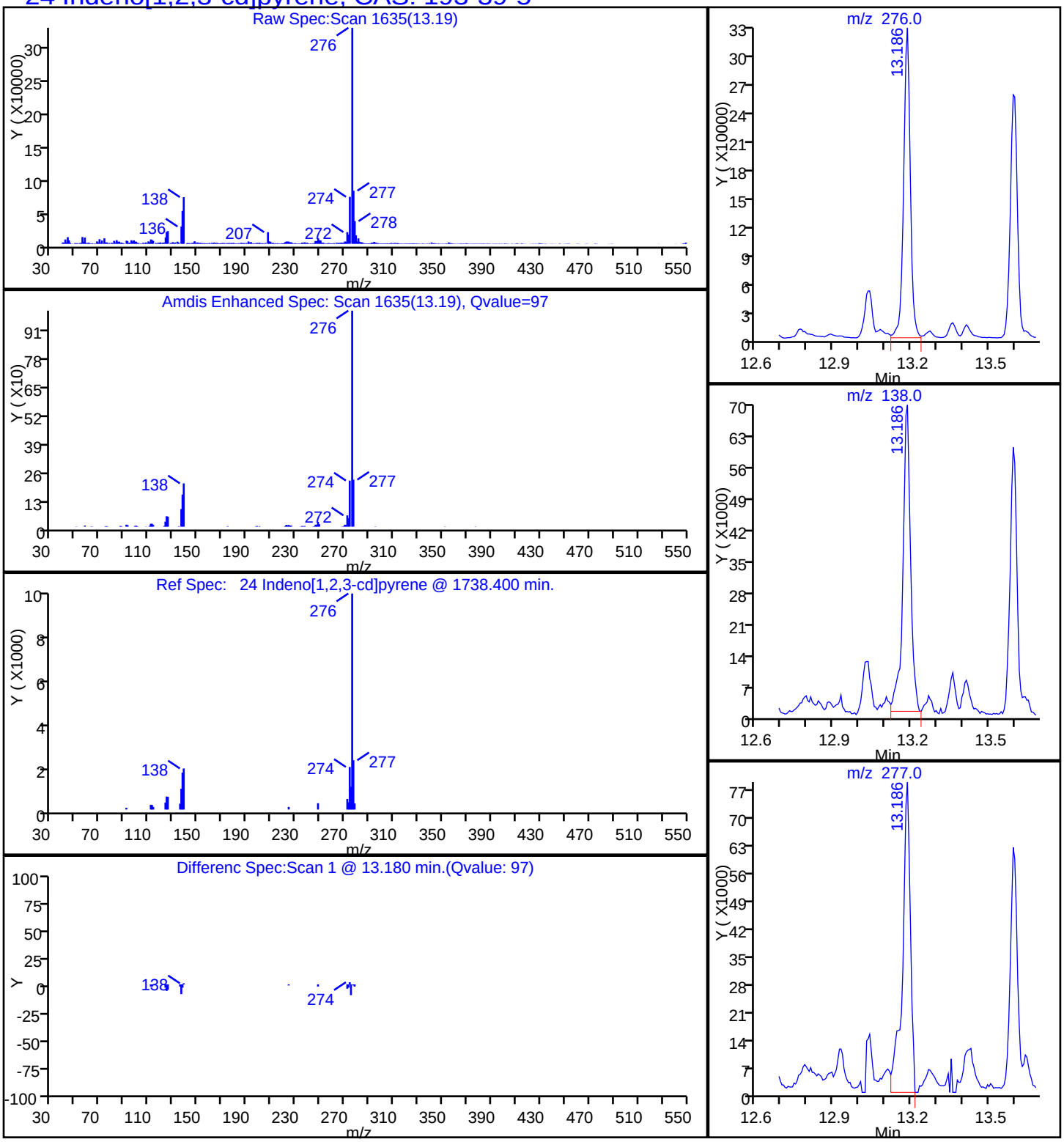


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

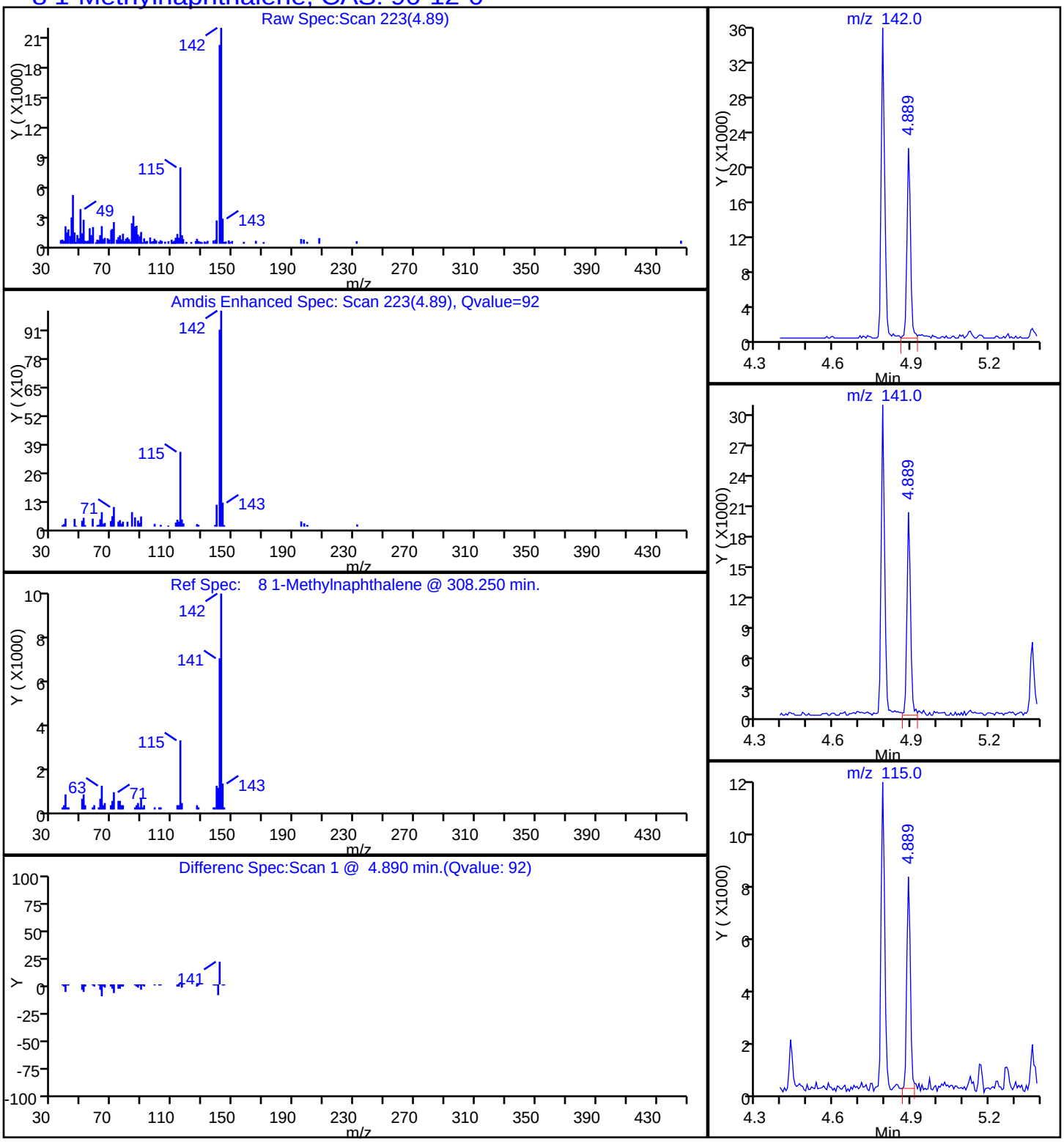


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

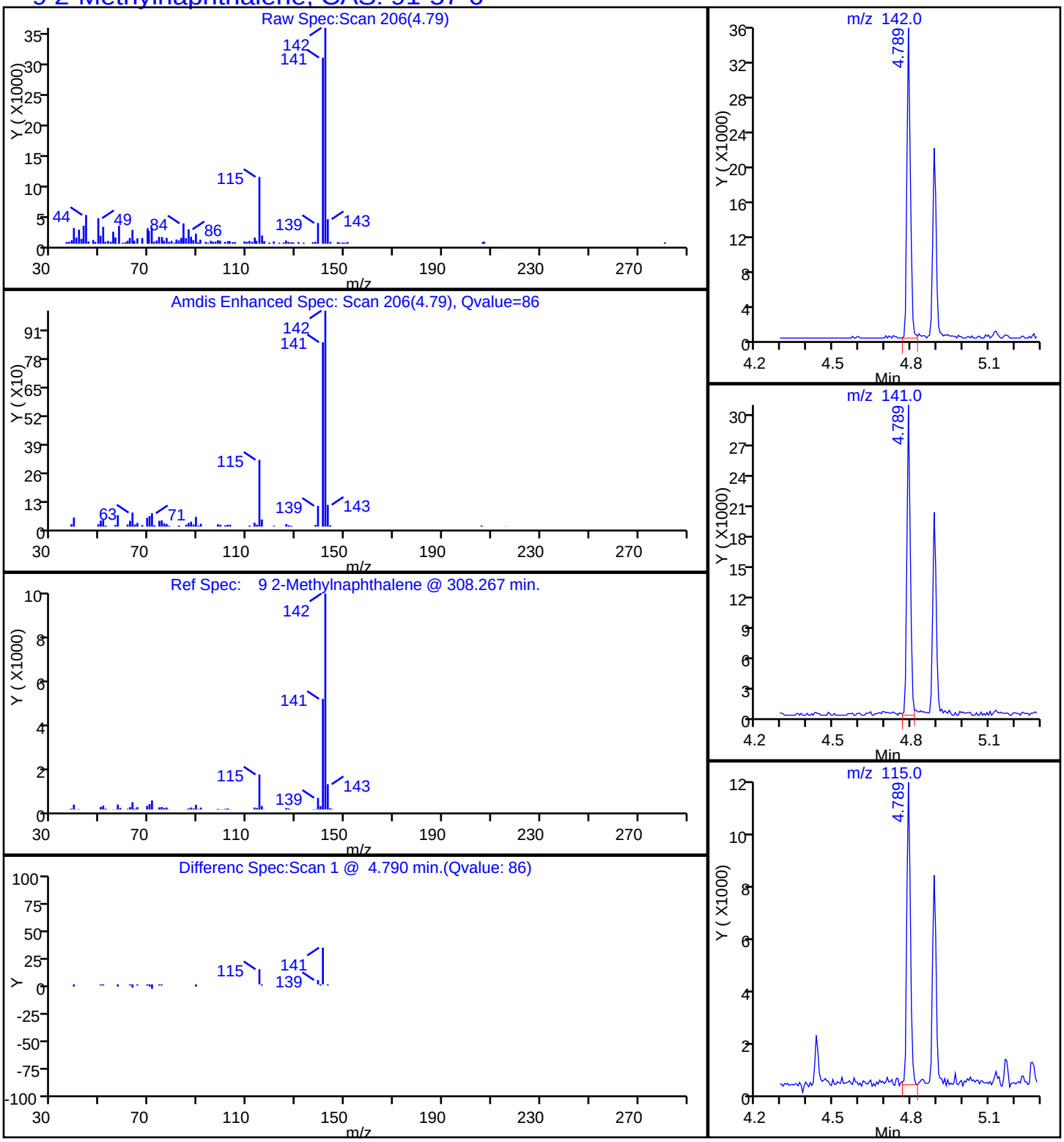


Report Date: 09-Feb-2015 10:58:44 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

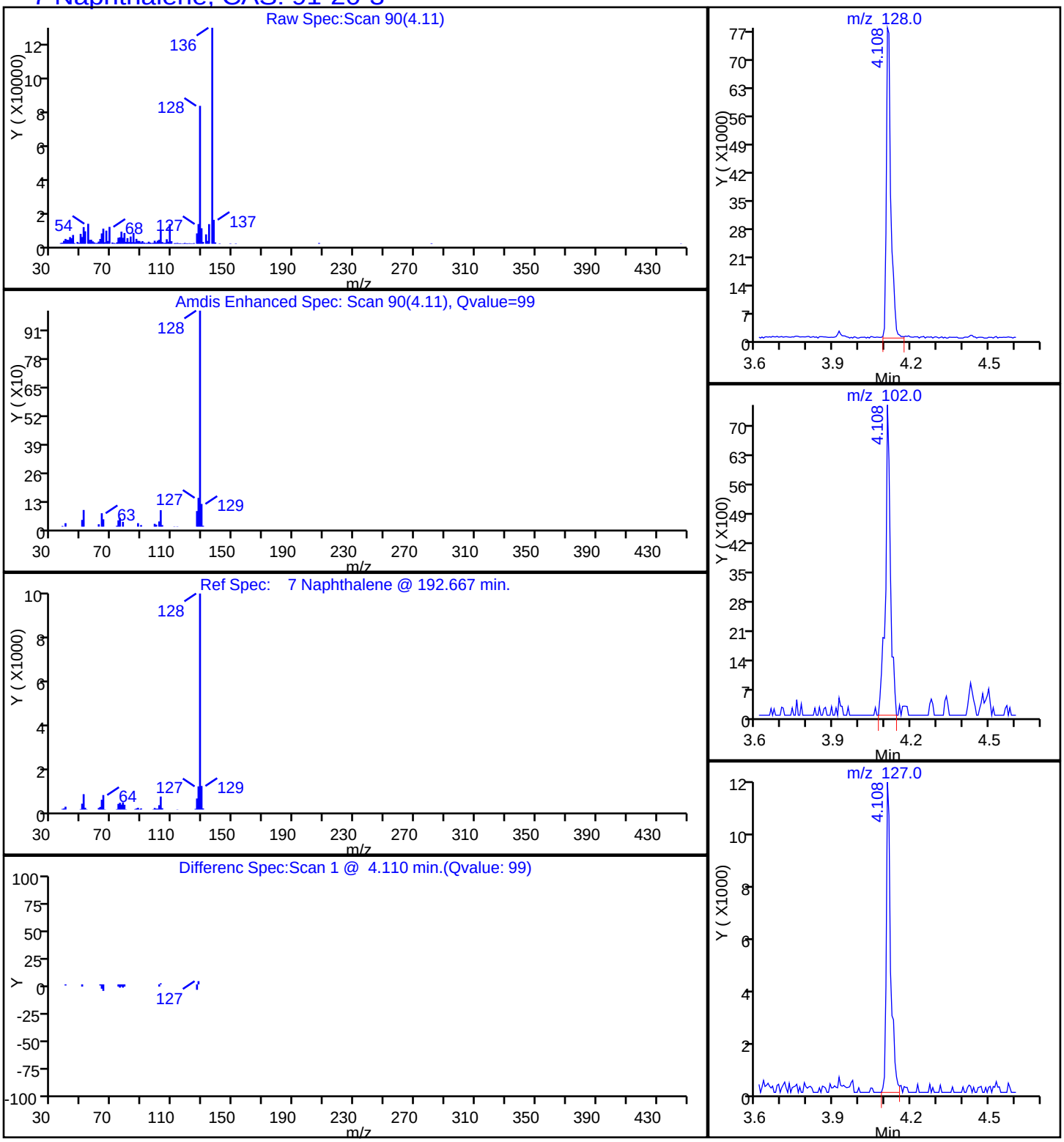


Report Date: 09-Feb-2015 10:58:44 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3

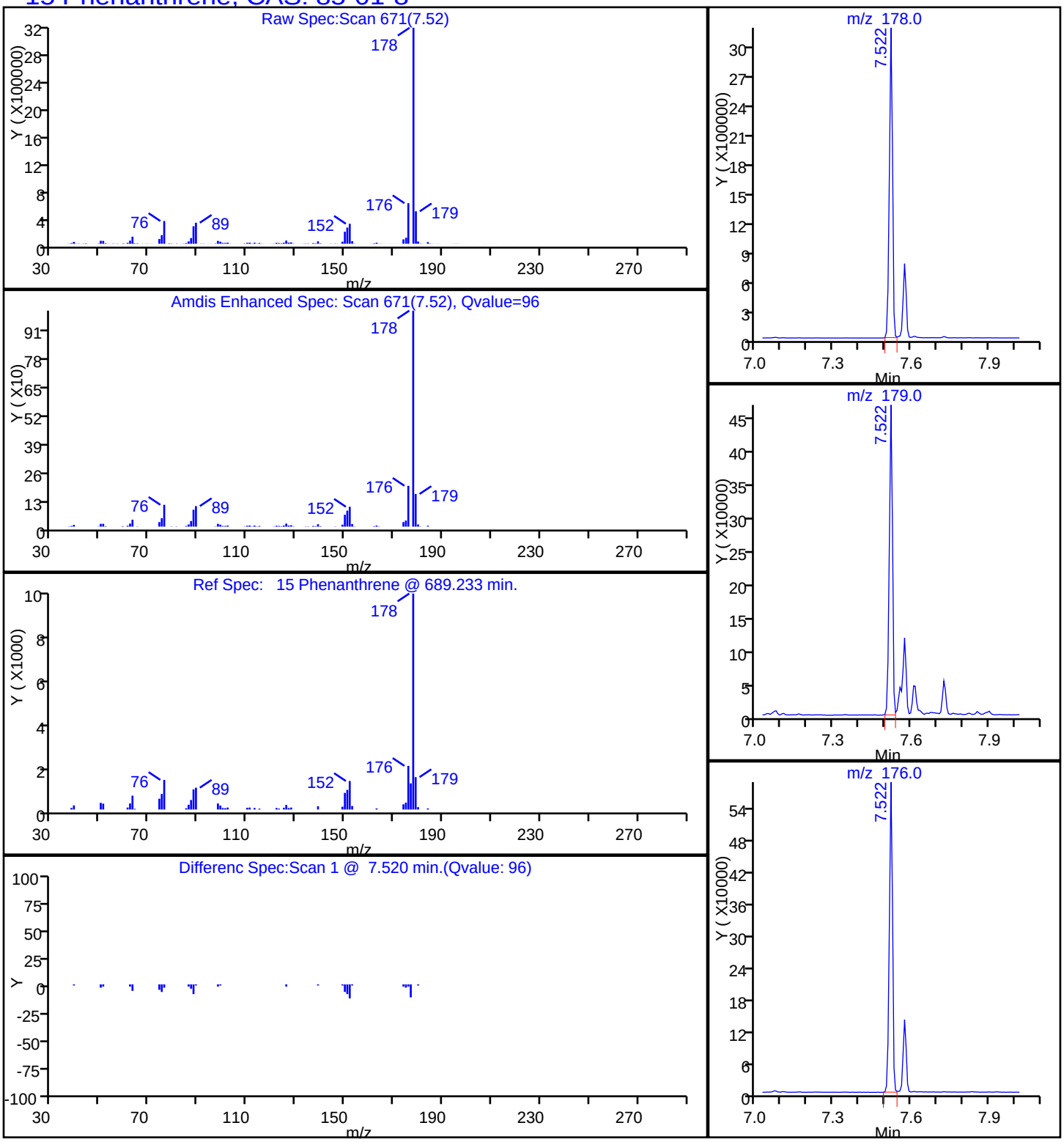


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

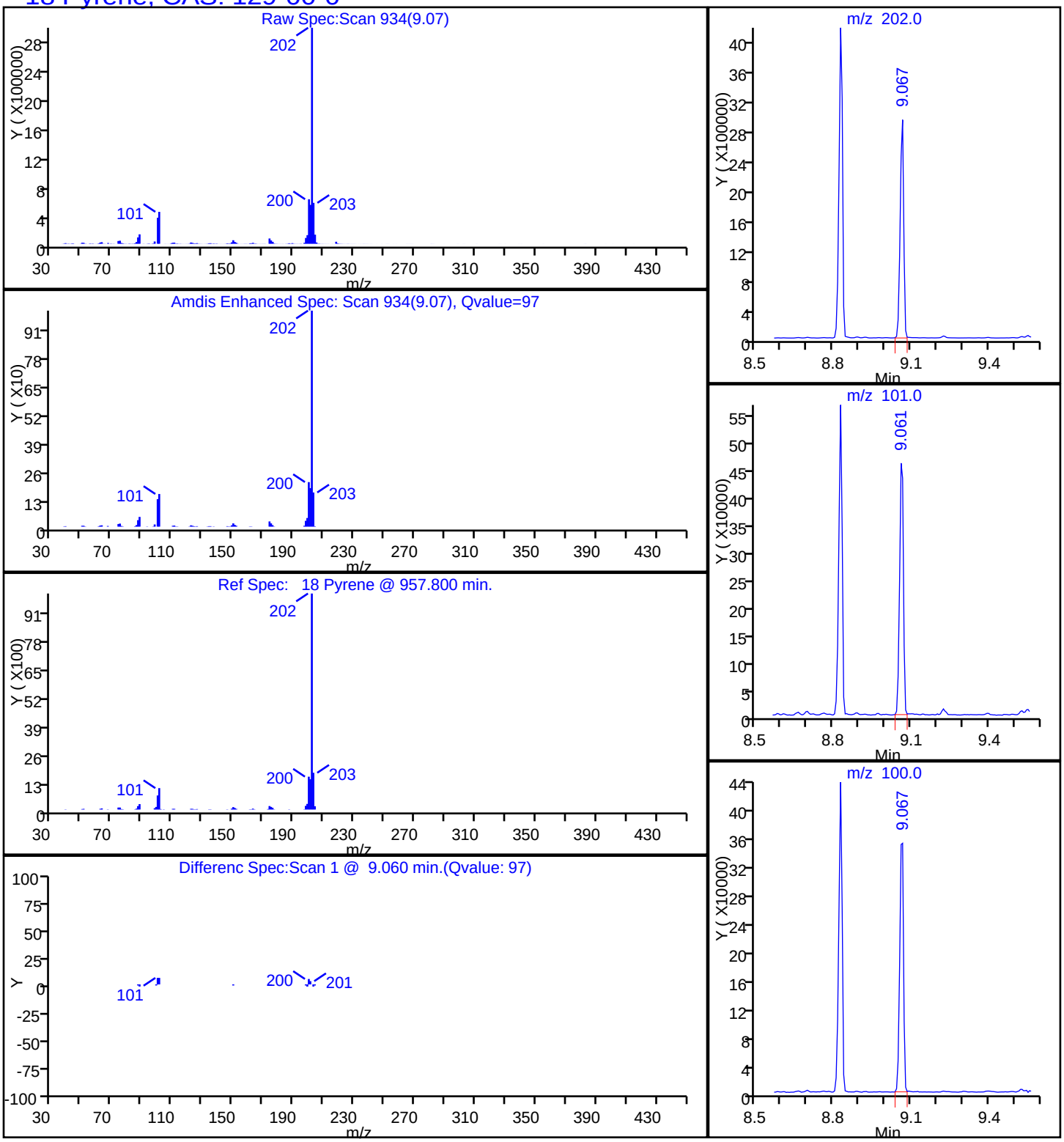


Report Date: 09-Feb-2015 10:58:45 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

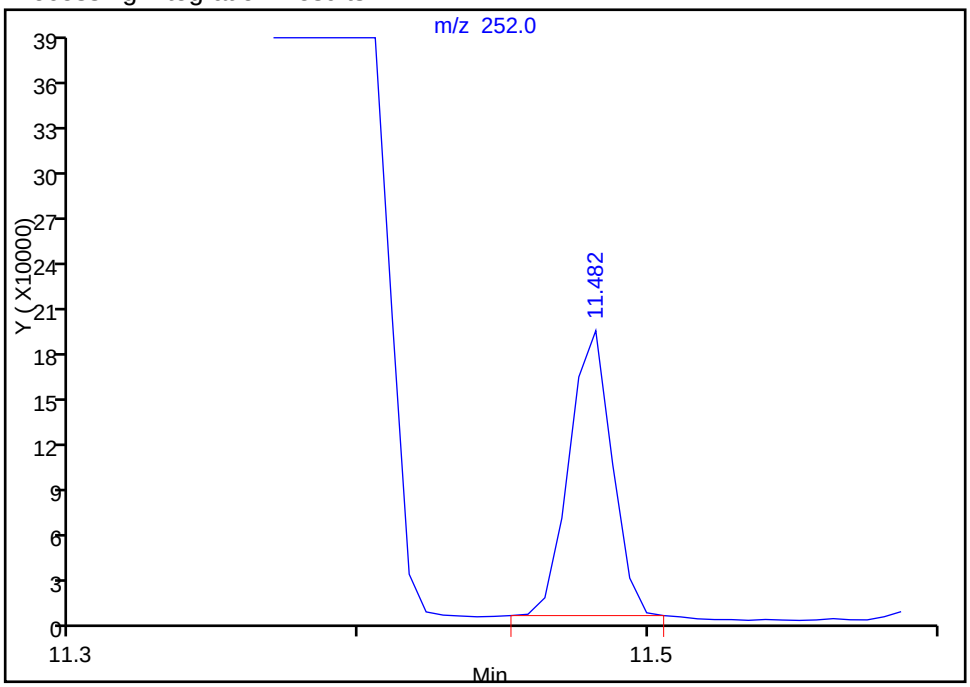
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0708.D				
Injection Date:	07-Feb-2015 12:15:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-28-A	Lab Sample ID:	680-109515-28		
Client ID:	HP0320K-CS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	10.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

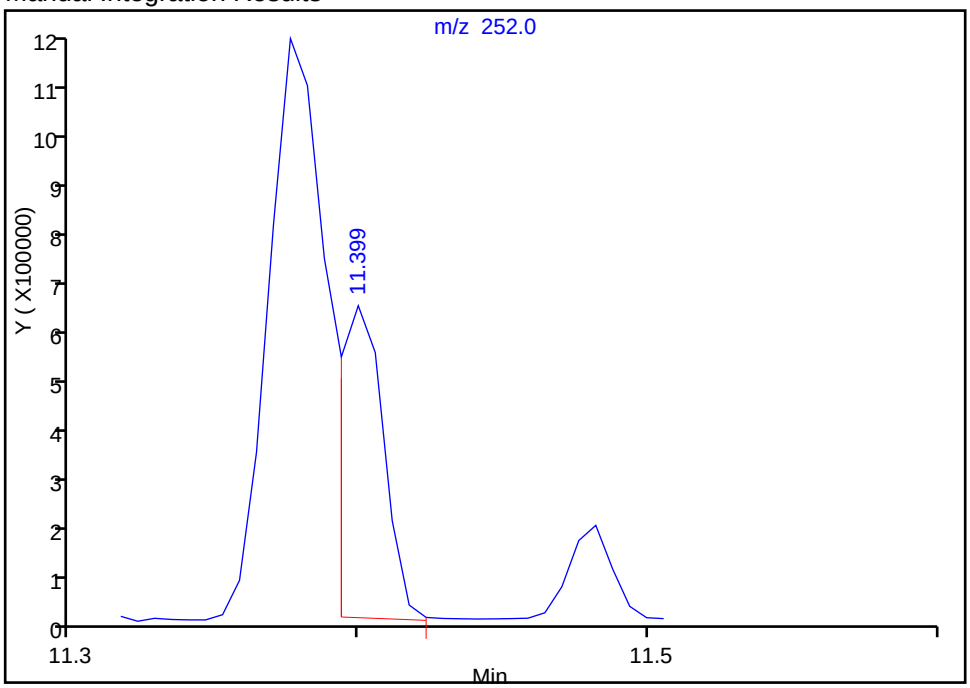
Processing Integration Results

RT: 11.48
Area: 194752
Amount: 0.651234
Amount Units: ug/ml



Manual Integration Results

RT: 11.40
Area: 681877
Amount: 2.280137
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 12:43:22
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320K-CS12" | Lab Sample ID: 680-109515-29

Matrix: Solid | Lab File ID: 2YB0618.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 13:20

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.13(g) | Date Analyzed: 02/06/2015 22:27

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

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

% Moisture: 19.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369958 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.3	U	8.3	4.1
208-96-8	Acenaphthylene	8.3	U	8.3	4.1
120-12-7	Anthracene	8.3	U	8.3	4.1
56-55-3	Benzo[a]anthracene	20		8.3	4.1
50-32-8	Benzo[a]pyrene	22		8.3	1.5
205-99-2	Benzo[b]fluoranthene	41		8.3	4.1
191-24-2	Benzo[g,h,i]perylene	19		8.3	4.1
207-08-9	Benzo[k]fluoranthene	11		8.3	2.5
218-01-9	Chrysene	35		8.3	4.1
53-70-3	Dibenz(a,h)anthracene	6.9	J	8.3	4.1
206-44-0	Fluoranthene	35		8.3	4.1
86-73-7	Fluorene	8.3	U	8.3	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	14		8.3	4.1
90-12-0	1-Methylnaphthalene	4.5	J	8.3	3.8
91-57-6	2-Methylnaphthalene	4.9	J	8.3	4.1
91-20-3	Naphthalene	9.1		8.3	4.1
85-01-8	Phenanthrene	19		8.3	3.0
129-00-0	Pyrene	36		8.3	4.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	87		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D
Lims ID: 680-109515-A-29-A Lab Sample ID: 680-109515-29
Client ID: HP0320K-CS12"
Sample Type: Client
Inject. Date: 06-Feb-2015 22:27:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 109515-A-29-A
Misc. Info.: 680-0016908-018
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 08:52:58 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 07-Feb-2015 08:45:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.109	3.109	0.000	98	486577	2.00	
* 2 Acenaphthene-d10	164	4.847	4.842	0.005	91	292521	2.00	
* 3 Phenanthrene-d10	188	6.452	6.436	0.016	98	504419	2.00	
* 4 Chrysene-d12	240	9.345	9.324	0.021	99	392761	2.00	
* 5 Perylene-d12	264	10.704	10.677	0.027	98	299288	2.00	
$ 6 o-Terphenyl	230	6.923	6.912	0.010	89	203708	1.74	
7 Naphthalene	128	3.125	3.125	0.000	99	62158	0.2205	
9 2-Methylnaphthalene	142	3.783	3.783	0.000	77	23019	0.1189	
10 1-Methylnaphthalene	142	3.879	3.879	0.000	88	19090	0.1106	
17 Phenanthrene	178	6.473	6.462	0.011	97	147049	0.4724	
18 Anthracene	178	6.527	6.521	0.006	86	24487	0.0825	
19 Fluoranthene	202	7.789	7.773	0.016	98	273089	0.8433	
20 Pyrene	202	8.030	8.014	0.016	97	228490	0.8666	
21 Benzo[a]anthracene	228	9.335	9.319	0.016	95	116193	0.4803	
22 Chrysene	228	9.367	9.356	0.011	86	168333	0.8392	
23 Benzo[b]fluoranthene	252	10.378	10.356	0.022	98	195363	0.99	
24 Benzo[k]fluoranthene	252	10.399	10.378	0.021	84	55762	0.2790	M
25 Benzo[a]pyrene	252	10.656	10.634	0.022	73	92441	0.5313	
26 Indeno[1,2,3-cd]pyrene	276	11.651	11.613	0.038	95	80370	0.3376	
27 Dibenz(a,h)anthracene	278	11.672	11.640	0.032	79	25628	0.1674	
28 Benzo[g,h,i]perylene	276	11.918	11.875	0.043	86	77403	0.4668	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

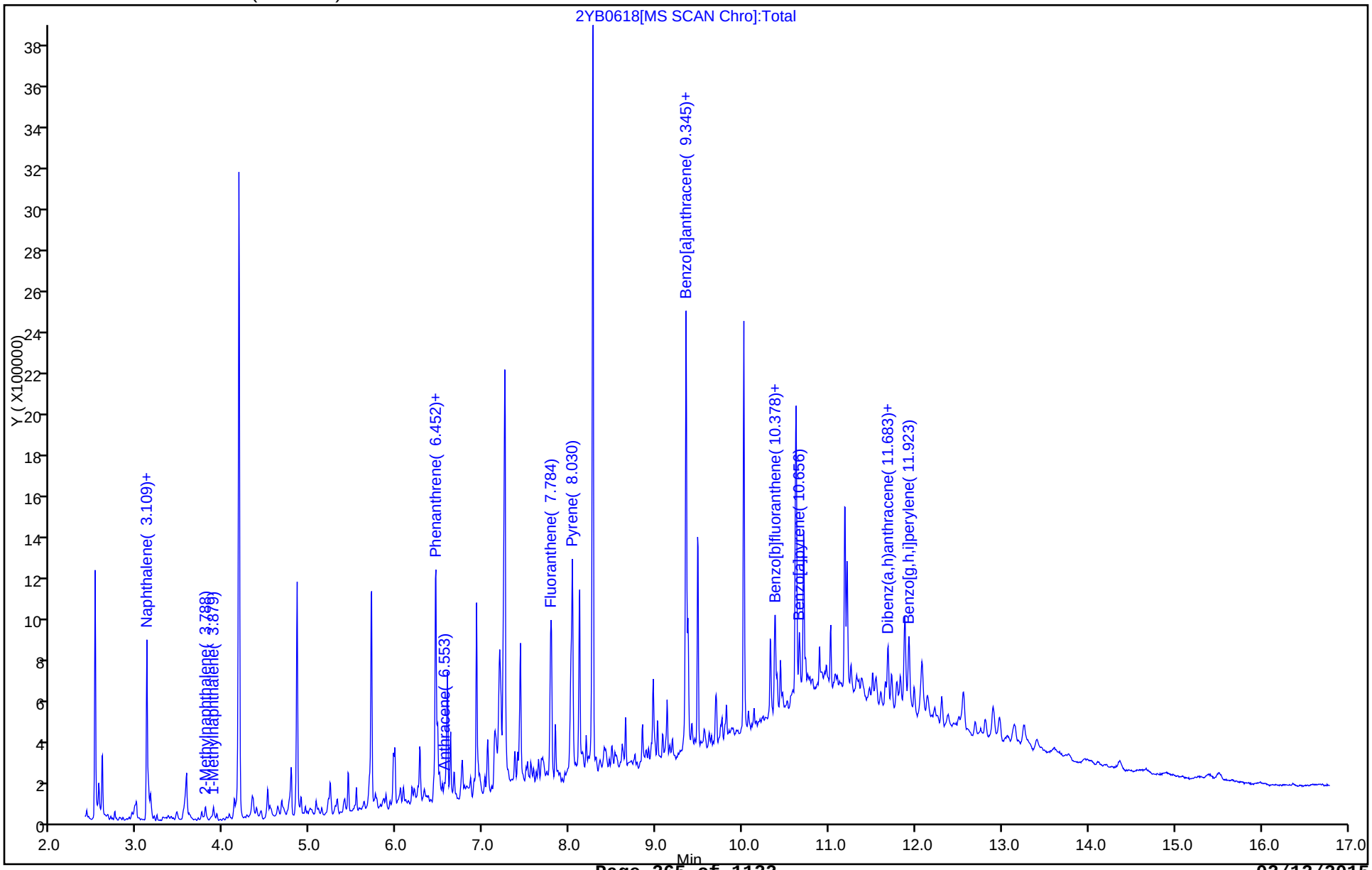
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 08:53:17 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29	Worklist Smp#:	18
Client ID:	HP0320K-CS12"				
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)

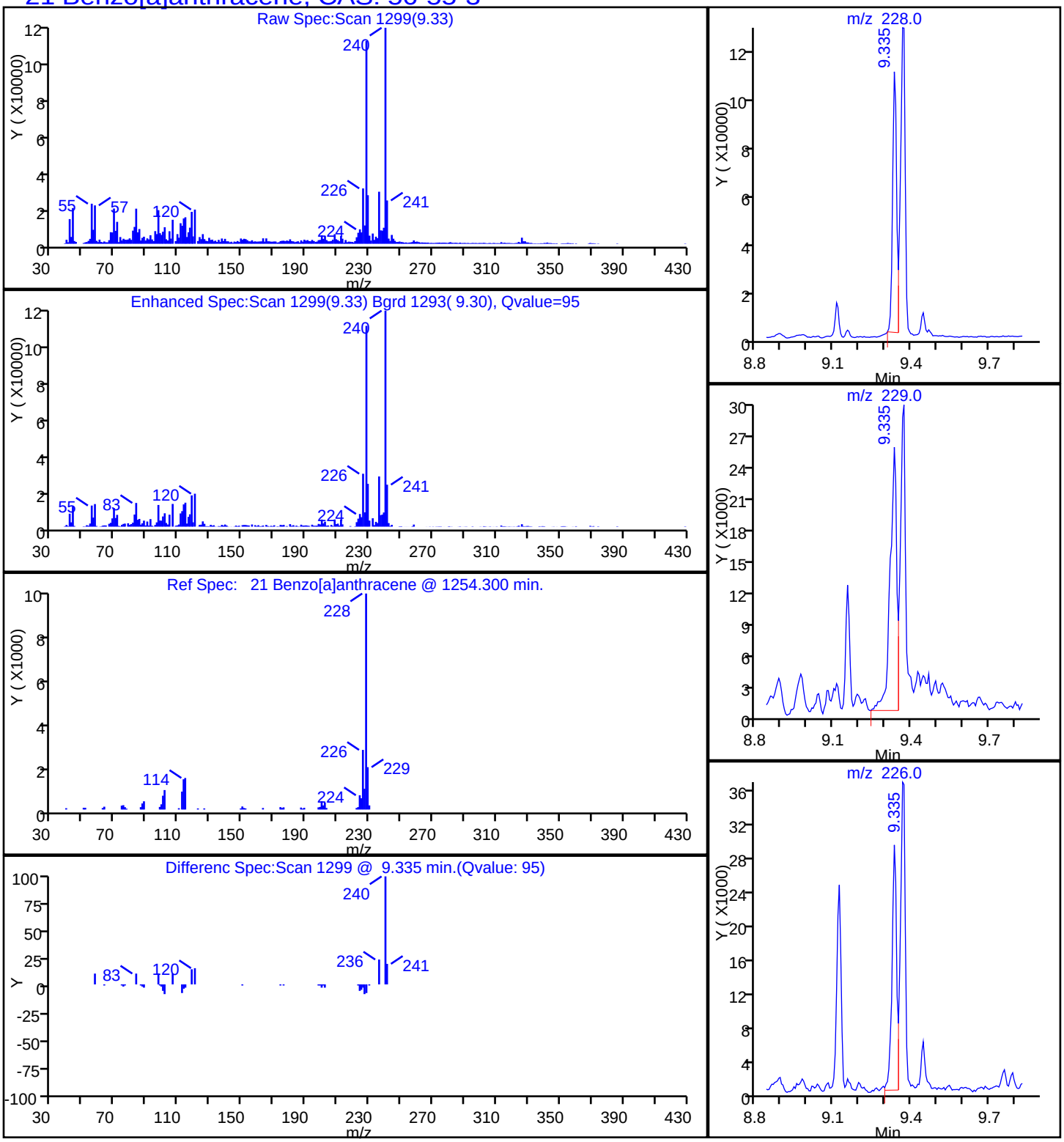


Report Date: 07-Feb-2015 08:53:17 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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[a]anthracene, CAS: 56-55-3

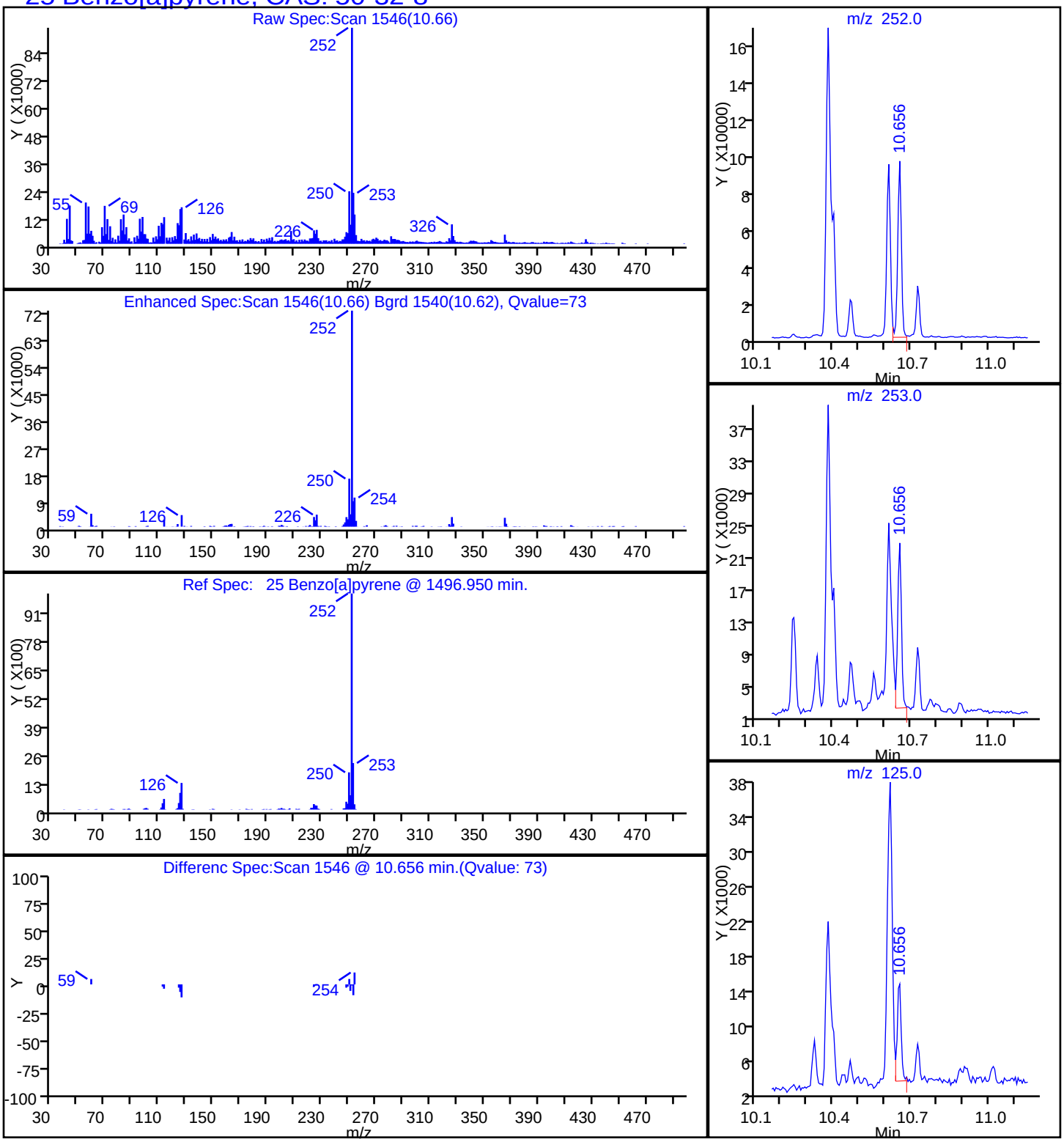


Report Date: 07-Feb-2015 08:53:18 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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 Benzo[a]pyrene, CAS: 50-32-8

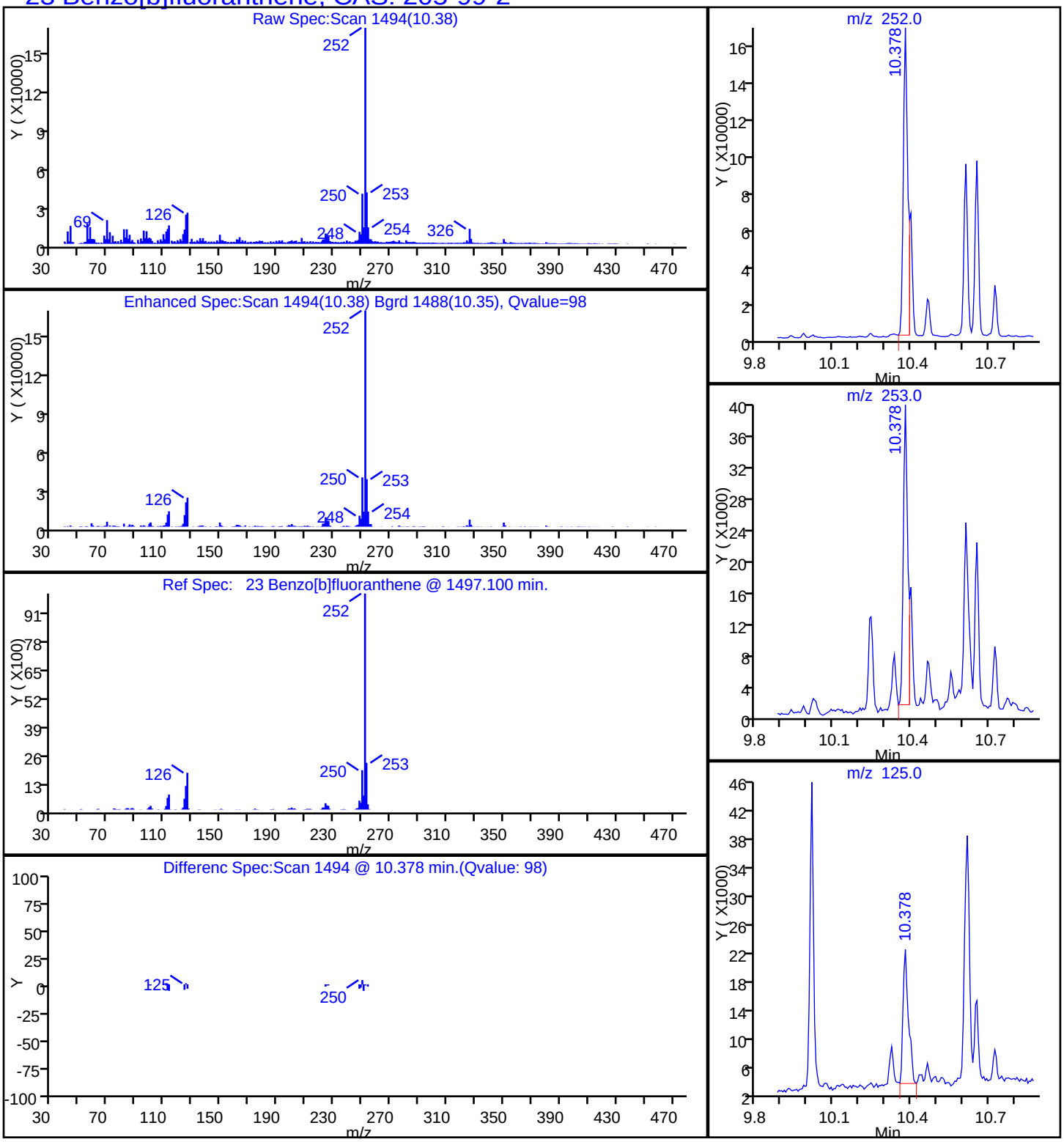


Report Date: 07-Feb-2015 08:53:18 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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[b]fluoranthene, CAS: 205-99-2

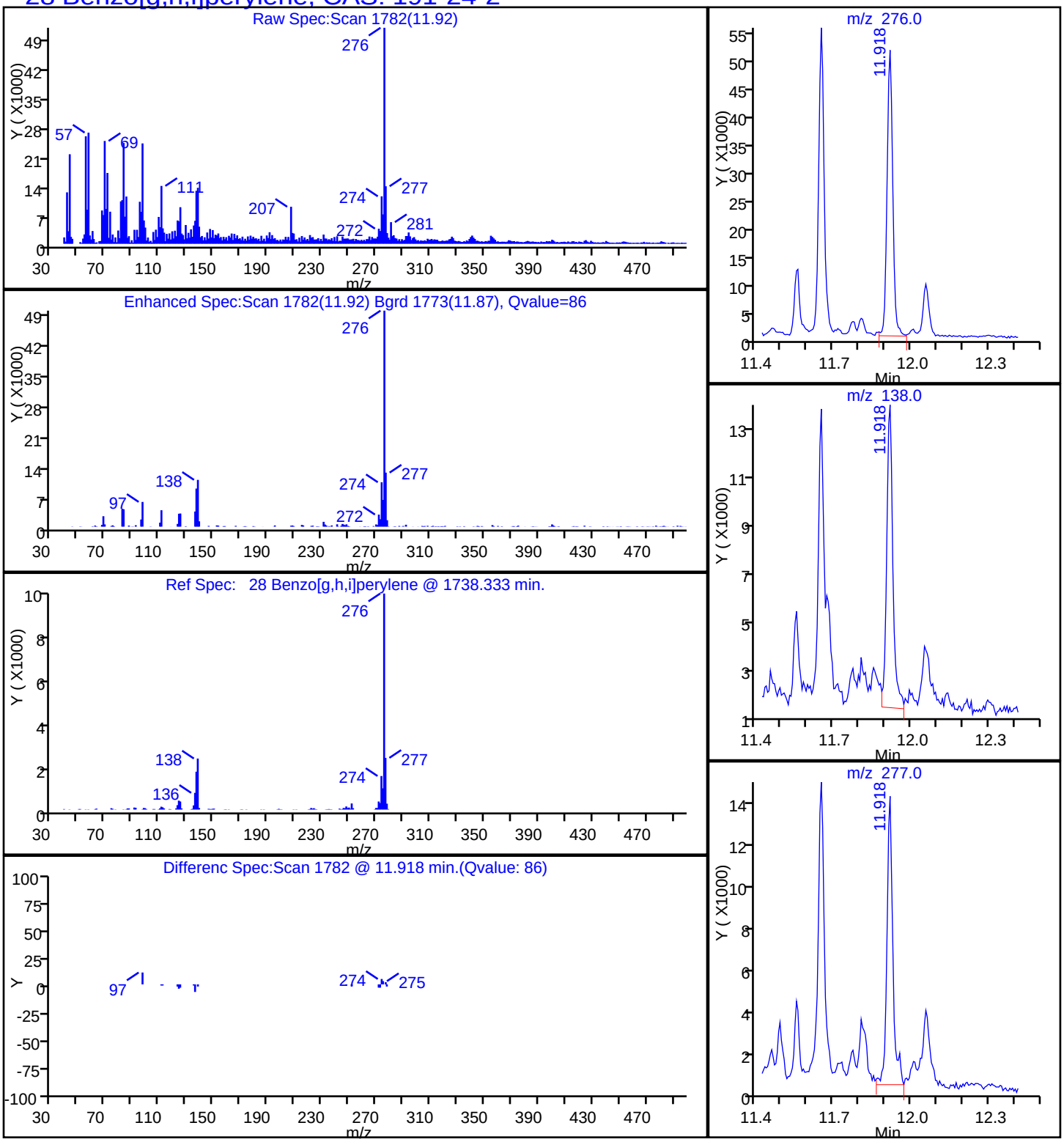


Report Date: 07-Feb-2015 08:53:18 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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		

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

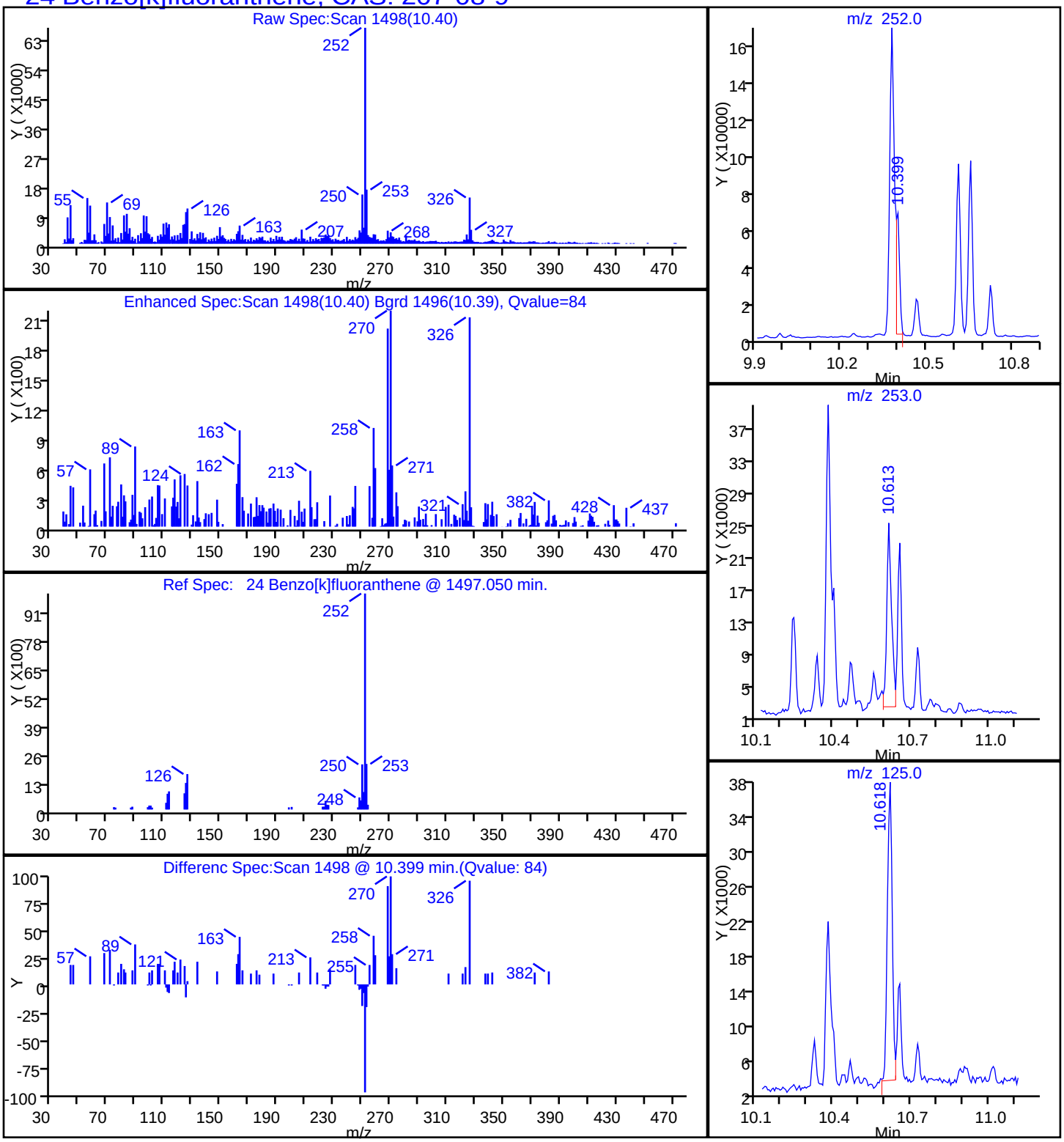


Report Date: 07-Feb-2015 08:53:18 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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 Benzo[k]fluoranthene, CAS: 207-08-9

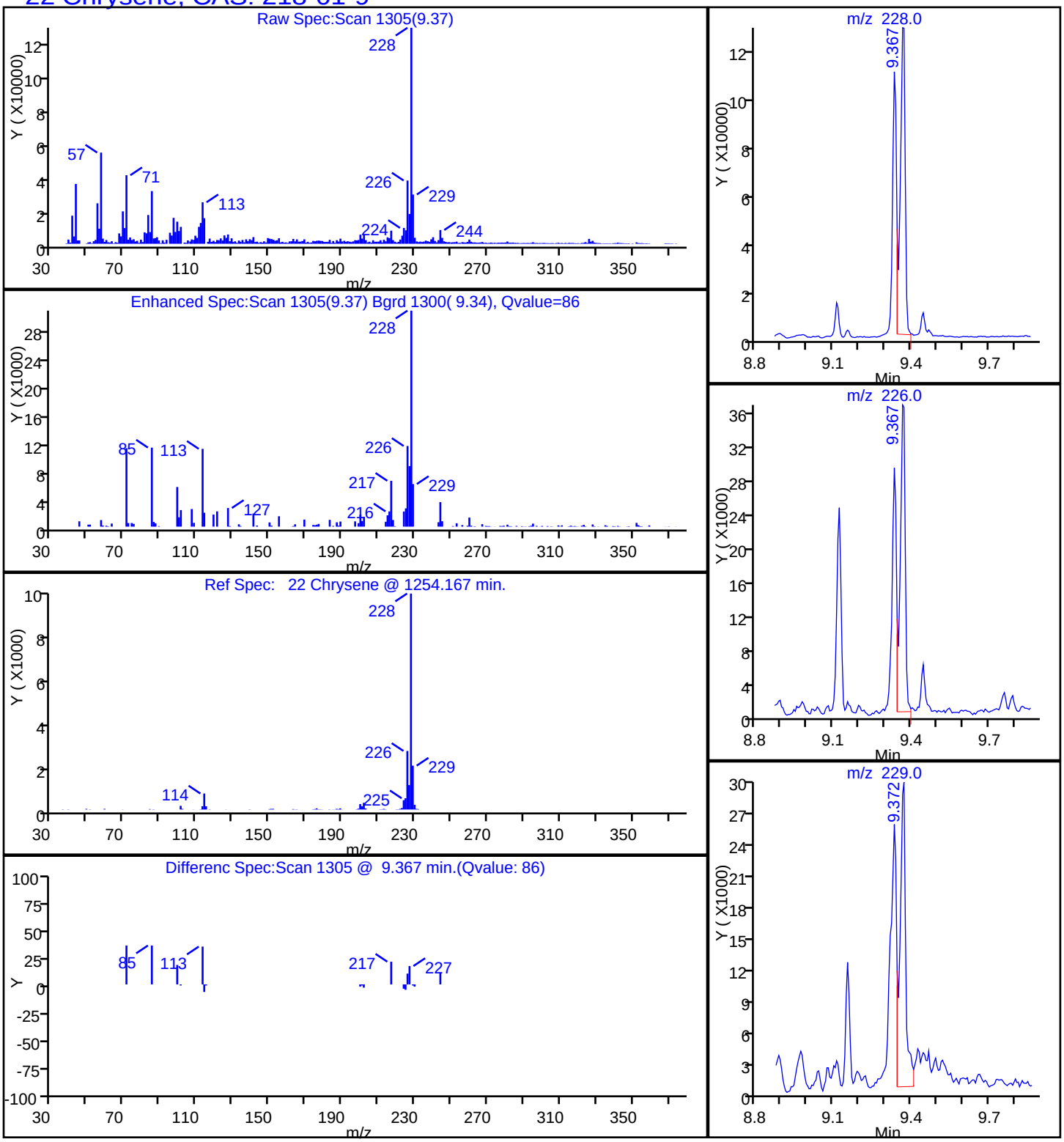


Report Date: 07-Feb-2015 08:53:17 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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 Chrysene, CAS: 218-01-9

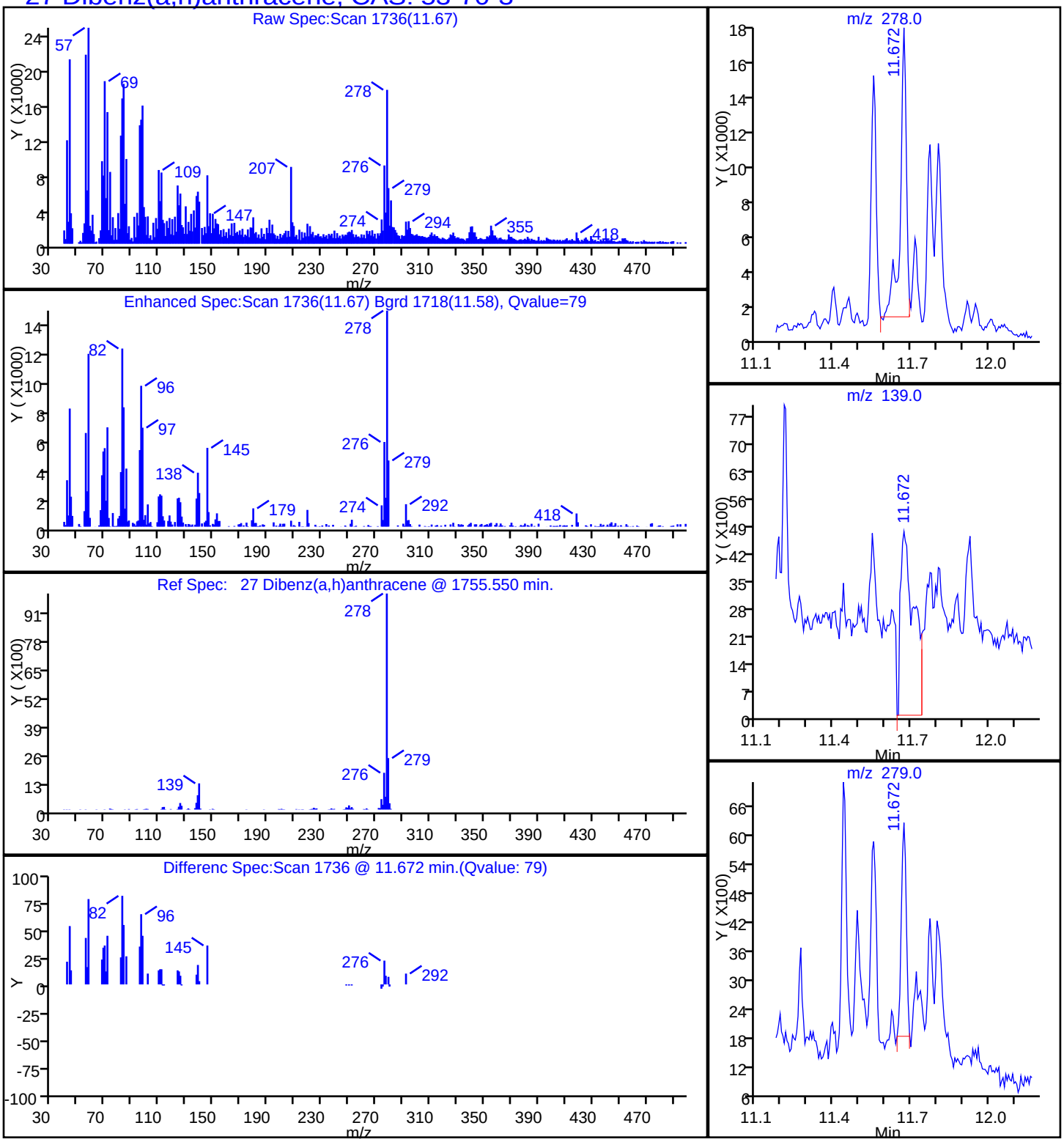


Report Date: 07-Feb-2015 08:53:18 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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		

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

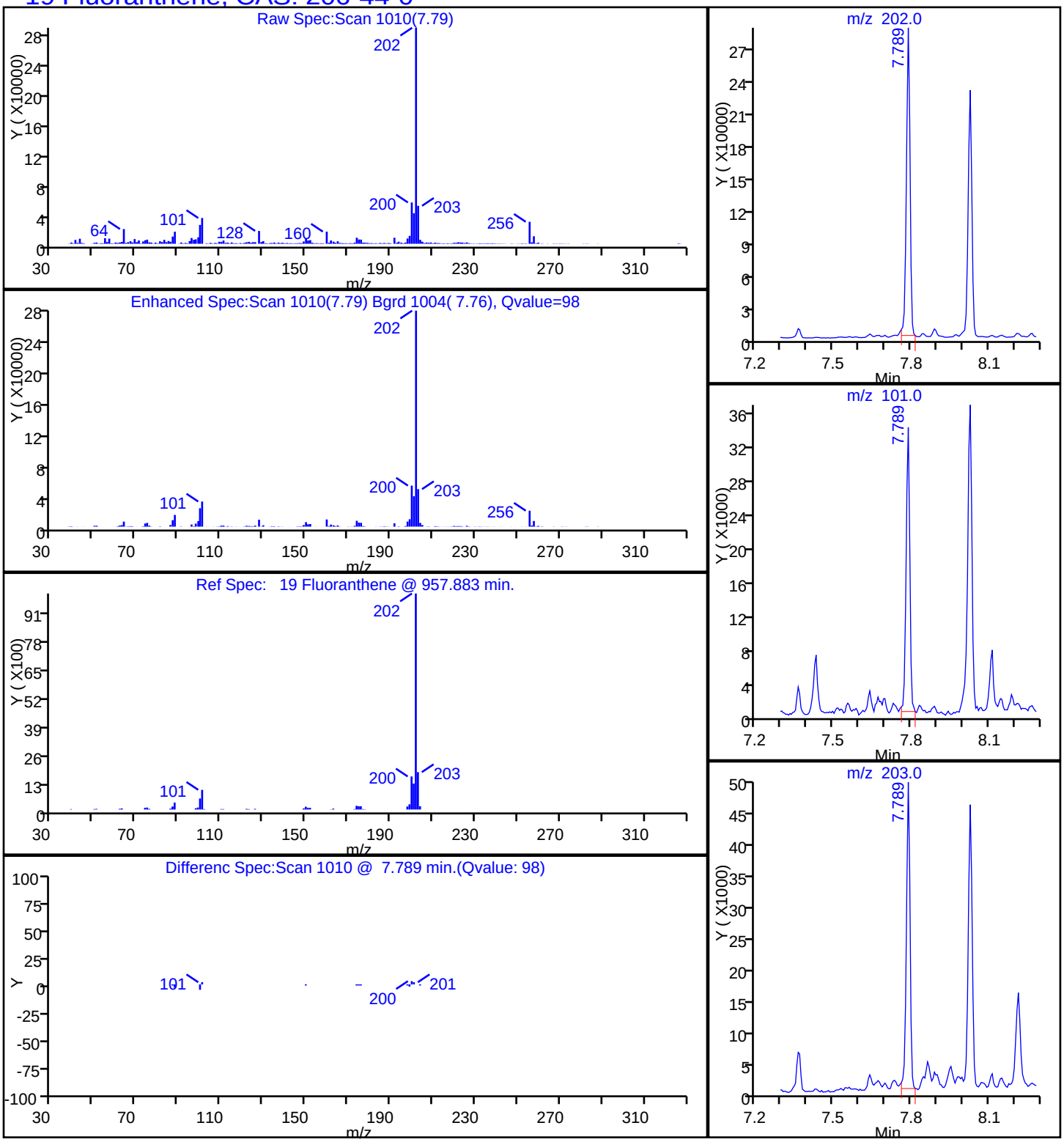


Report Date: 07-Feb-2015 08:53:17 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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 Fluoranthene, CAS: 206-44-0

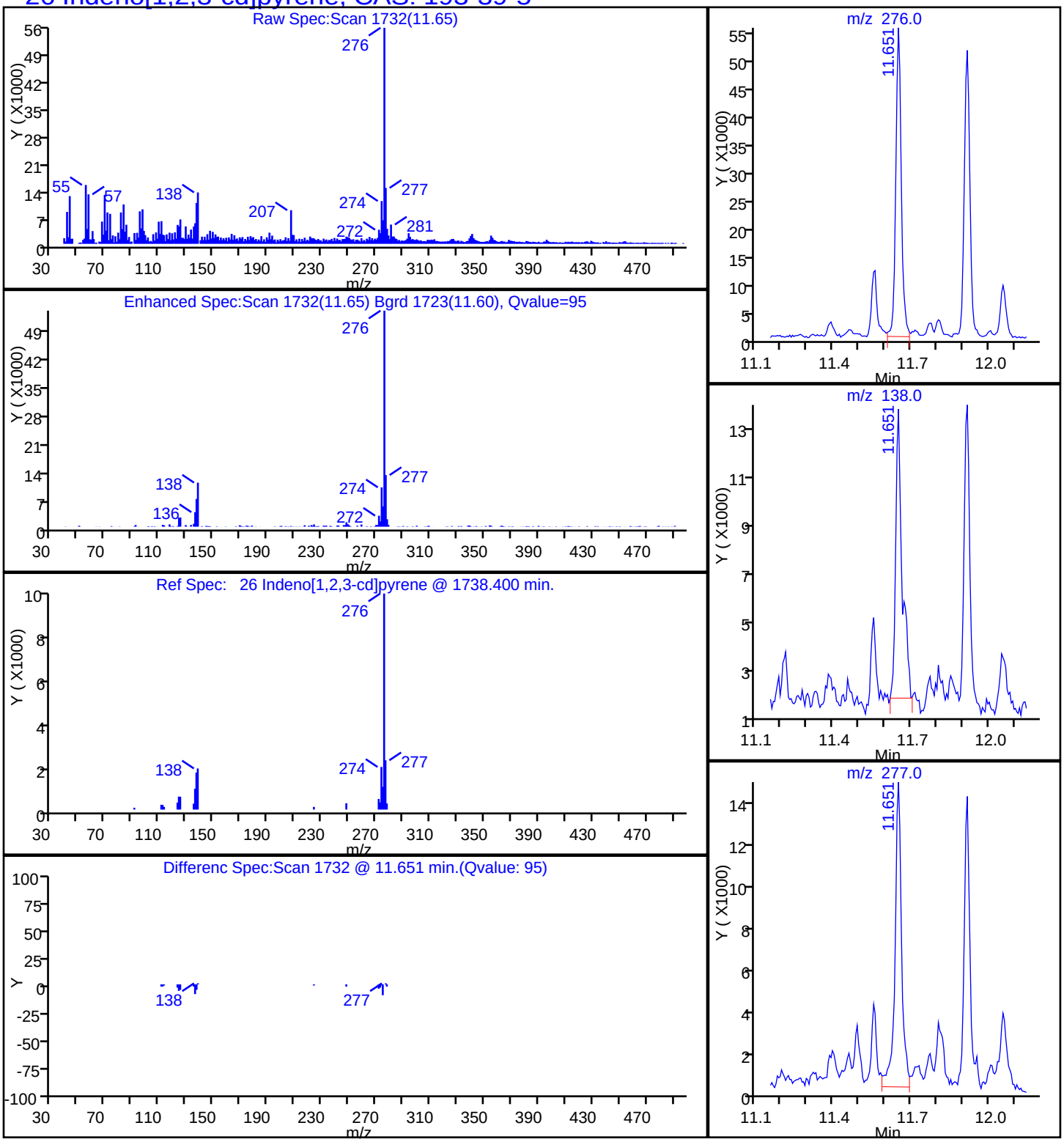


Report Date: 07-Feb-2015 08:53:18 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

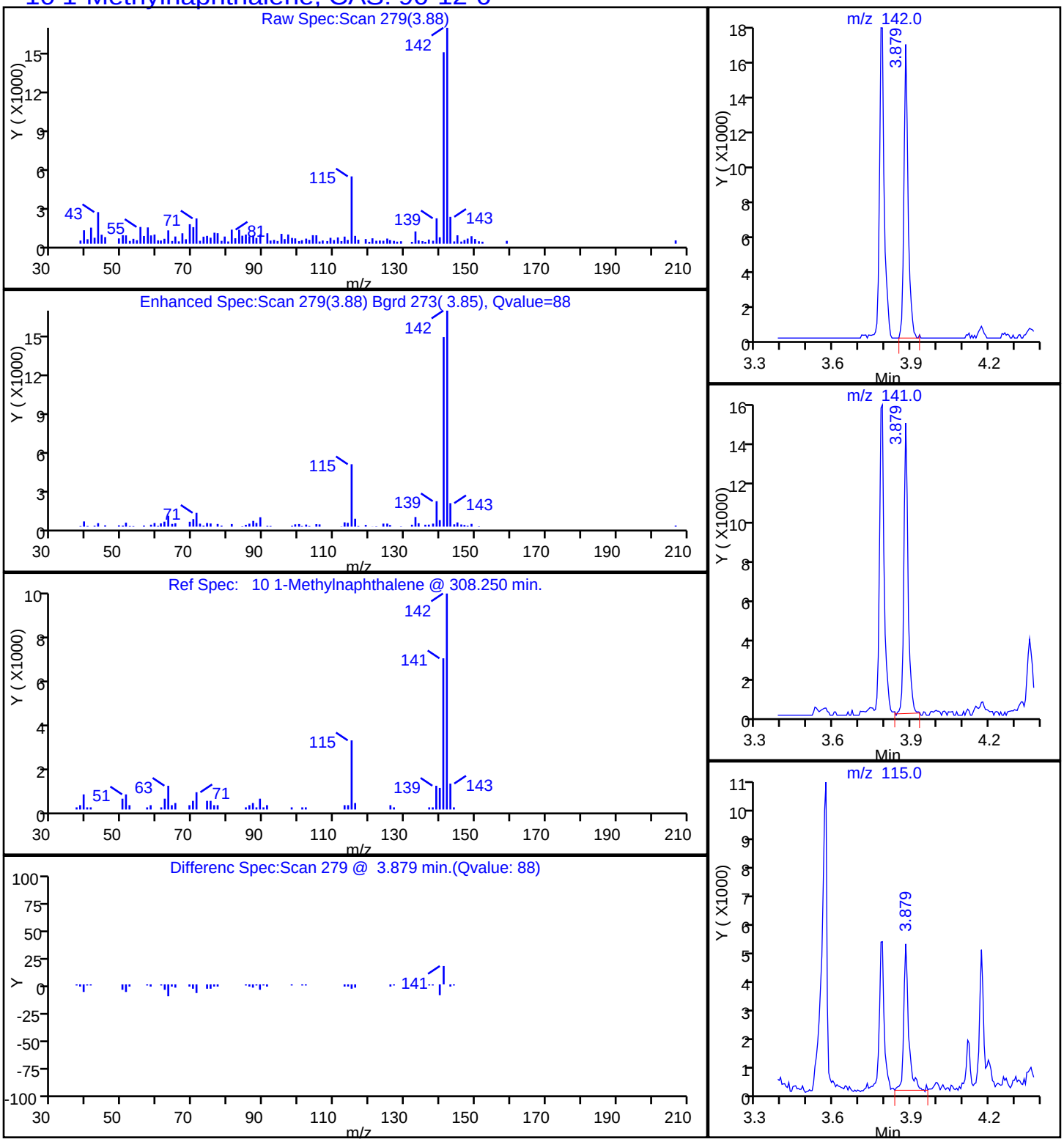


Report Date: 07-Feb-2015 08:53:17 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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		

10 1-Methylnaphthalene, CAS: 90-12-0

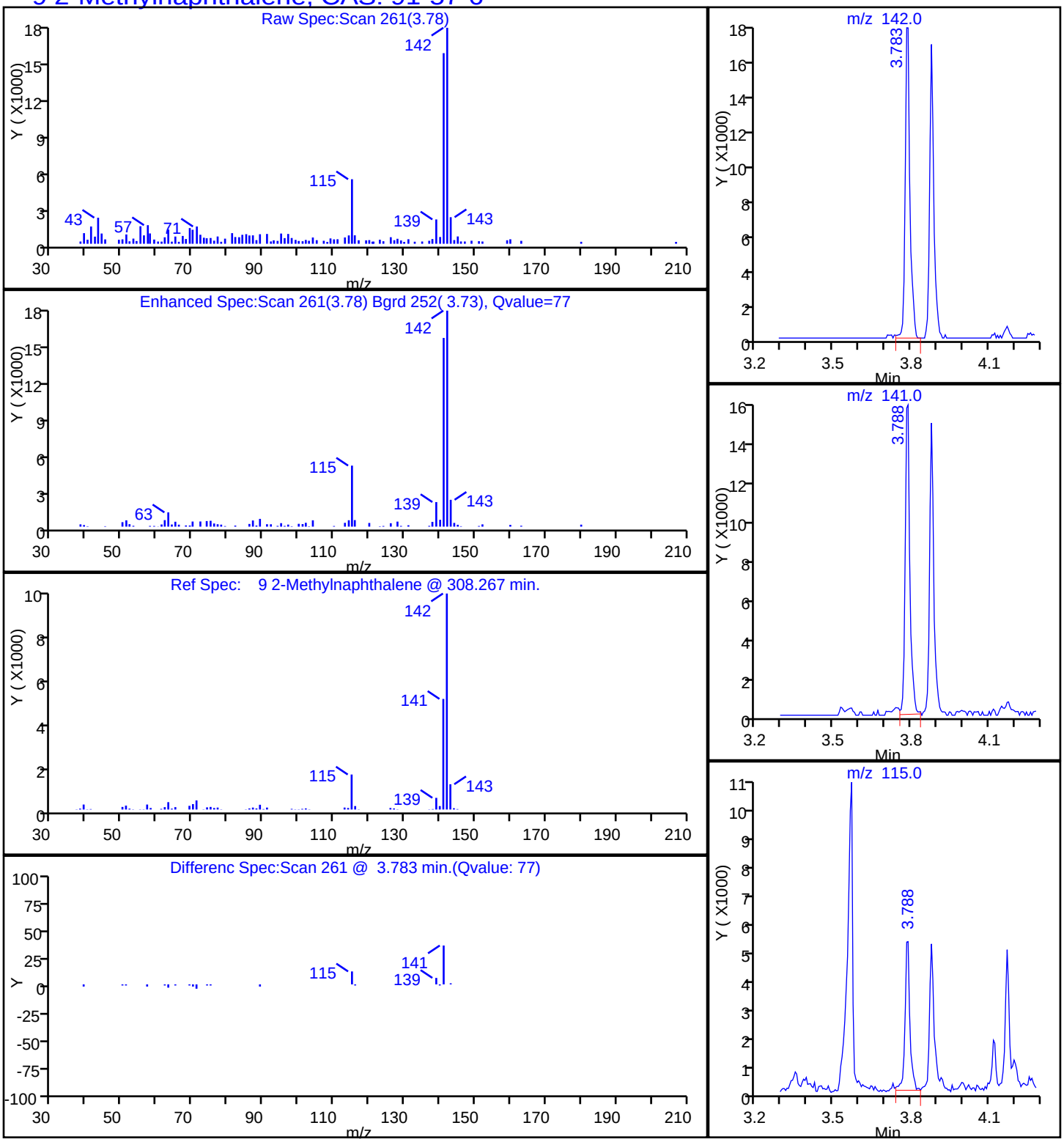


Report Date: 07-Feb-2015 08:53:17 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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 2-Methylnaphthalene, CAS: 91-57-6

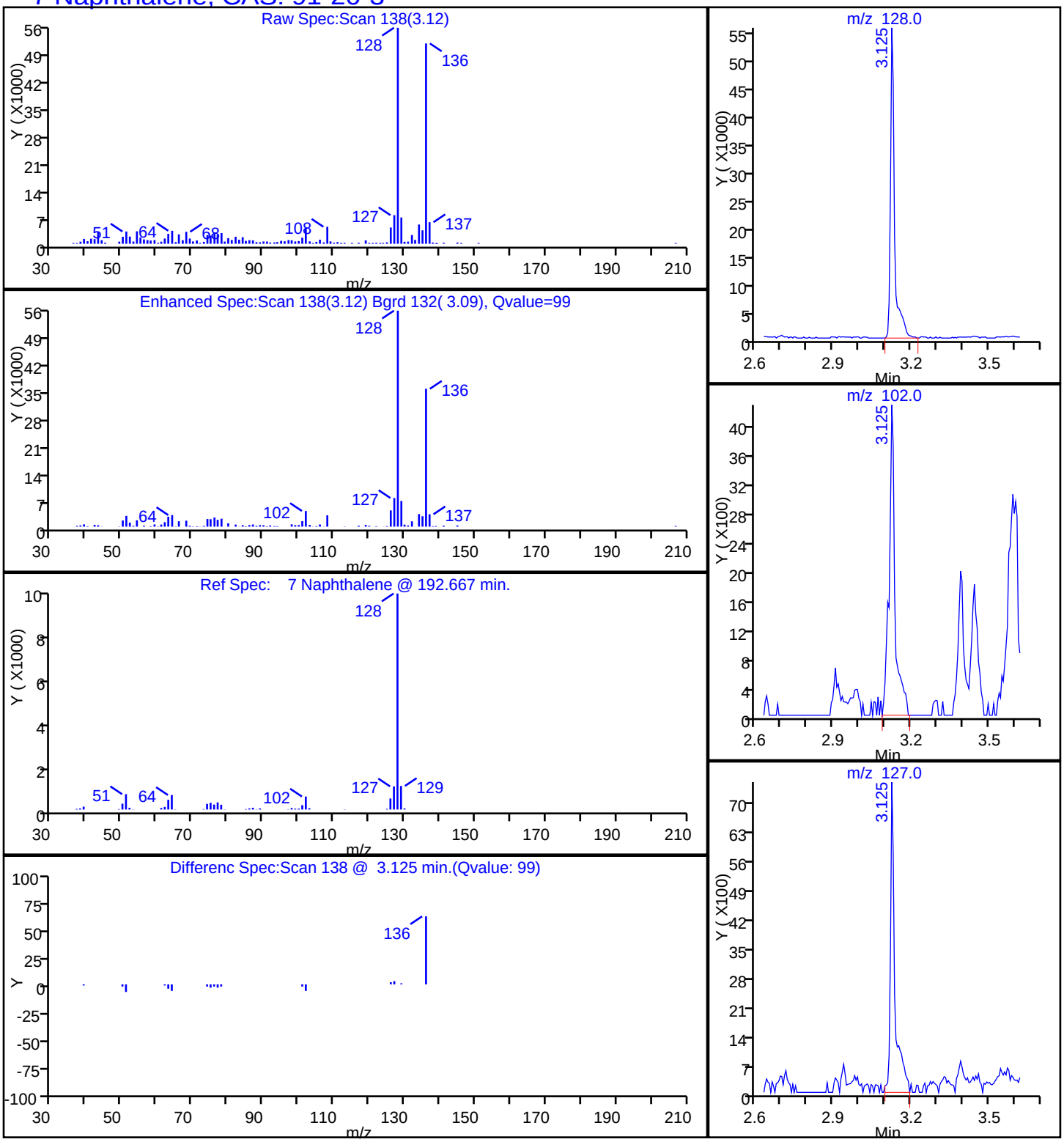


Report Date: 07-Feb-2015 08:53:17 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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

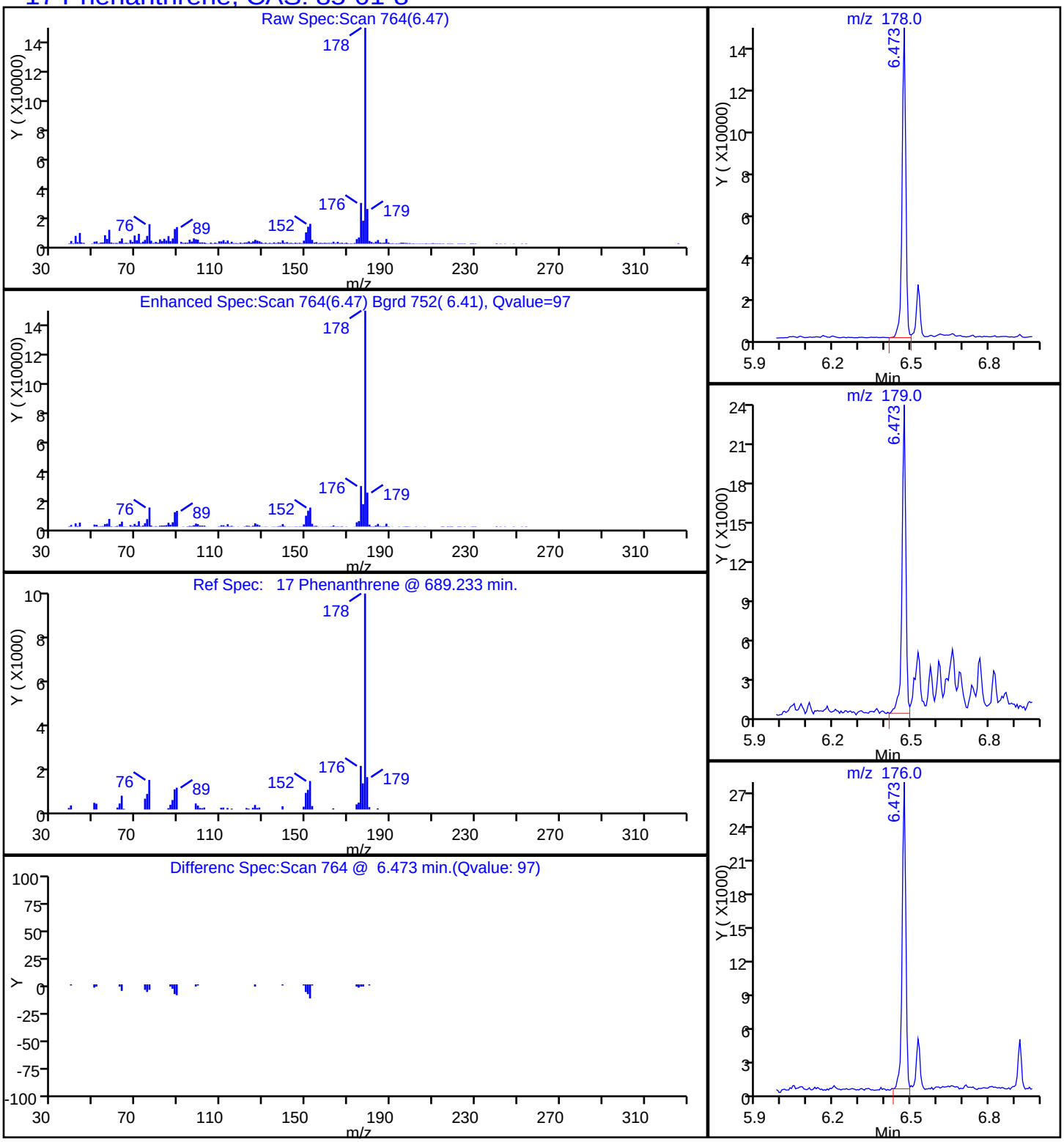


Report Date: 07-Feb-2015 08:53:17 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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 Phenanthrene, CAS: 85-01-8

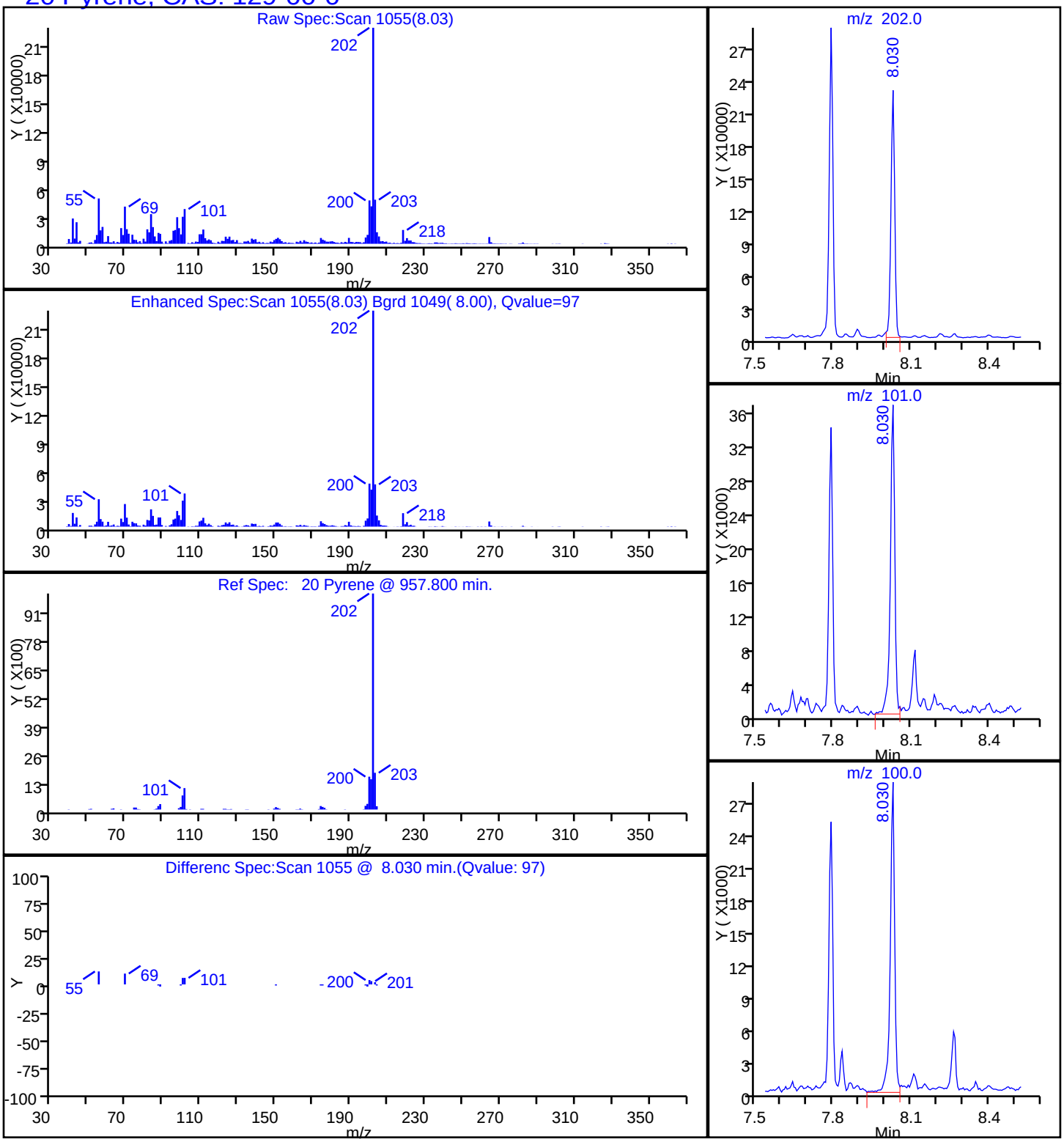


Report Date: 07-Feb-2015 08:53:17 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

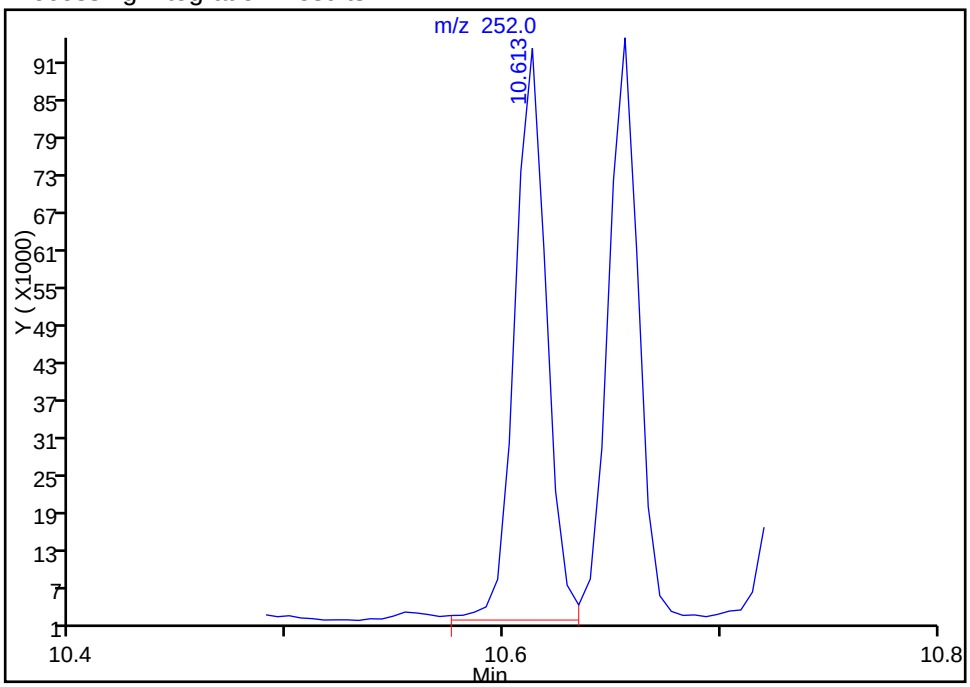
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0618.D				
Injection Date:	06-Feb-2015 22:27:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-29-A	Lab Sample ID:	680-109515-29		
Client ID:	HP0320K-CS12"				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
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 Benzo[k]fluoranthene, CAS: 207-08-9

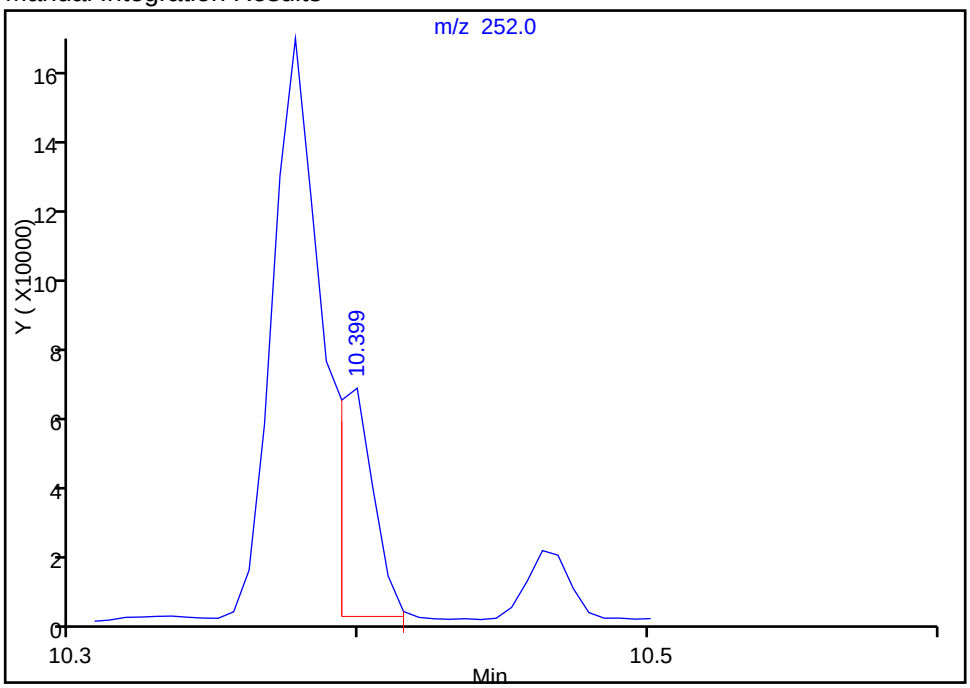
Processing Integration Results

RT: 10.61
Area: 93185
Amount: 0.466325
Amount Units: ug/ml



Manual Integration Results

RT: 10.40
Area: 55762
Amount: 0.279049
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:45:05
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320K-GS18" | Lab Sample ID: 680-109515-30

Matrix: Solid | Lab File ID: 2YB0619.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 13:25

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.32(g) | Date Analyzed: 02/06/2015 22:50

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

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

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

Analysis Batch No.: 369958 | 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	8.0	U	8.0	3.9
50-32-8	Benzo[a]pyrene	8.0	U	8.0	1.4
205-99-2	Benzo[b]fluoranthene	8.0	U	8.0	3.9
191-24-2	Benzo[g,h,i]perylene	8.0	U	8.0	3.9
207-08-9	Benzo[k]fluoranthene	8.0	U	8.0	2.4
218-01-9	Chrysene	8.0	U	8.0	3.9
53-70-3	Dibenz(a,h)anthracene	8.0	U	8.0	3.9
206-44-0	Fluoranthene	8.0	U	8.0	3.9
86-73-7	Fluorene	8.0	U	8.0	3.9
193-39-5	Indeno[1,2,3-cd]pyrene	8.0	U	8.0	3.9
90-12-0	1-Methylnaphthalene	8.0	U	8.0	3.7
91-57-6	2-Methylnaphthalene	8.0	U	8.0	3.9
91-20-3	Naphthalene	8.0	U	8.0	3.9
85-01-8	Phenanthrene	8.0	U	8.0	2.9
129-00-0	Pyrene	8.0	U	8.0	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	85		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0619.D				
Lims ID:	680-109515-A-30-A	Lab Sample ID:	680-109515-30		
Client ID:	HP0320K-GS18"				
Sample Type:	Client				
Inject. Date:	06-Feb-2015 22:50:30	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	109515-A-30-A				
Misc. Info.:	680-0016908-019				
Operator ID:		Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	07-Feb-2015 08:52:58	Calib Date:	03-Feb-2015 18:57:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D		

Column 1 :	Restek RXi-5Sil MS (0.25 mm)	Det: MS SCAN
Process Host:	XAWRK048	

First Level Reviewer: webbk Date: 07-Feb-2015 08:46:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.104	3.109	-0.005	98	511583	2.00	
* 2 Acenaphthene-d10	164	4.847	4.842	0.005	91	304955	2.00	
* 3 Phenanthrene-d10	188	6.447	6.436	0.010	98	530609	2.00	
* 4 Chrysene-d12	240	9.340	9.324	0.016	99	394336	2.00	
* 5 Perylene-d12	264	10.704	10.677	0.027	99	286543	2.00	
$ 6 o-Terphenyl	230	6.923	6.912	0.011	90	200375	1.71	
17 Phenanthrene	178	6.473	6.462	0.011	78	16501	0.0504	7
18 Anthracene	178	6.527	6.521	0.006	63	3674	0.0118	7
19 Fluoranthene	202	7.784	7.773	0.011	97	25455	0.0747	
20 Pyrene	202	8.030	8.014	0.016	96	20101	0.0759	
22 Chrysene	228	9.367	9.356	0.011	72	10782	0.0537	
23 Benzo[b]fluoranthene	252	10.372	10.356	0.016	92	12374	0.0655	7M
24 Benzo[k]fluoranthene	252	10.394	10.378	0.016	90	4884	0.0255	7M

QC Flag Legend

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

Reagents:

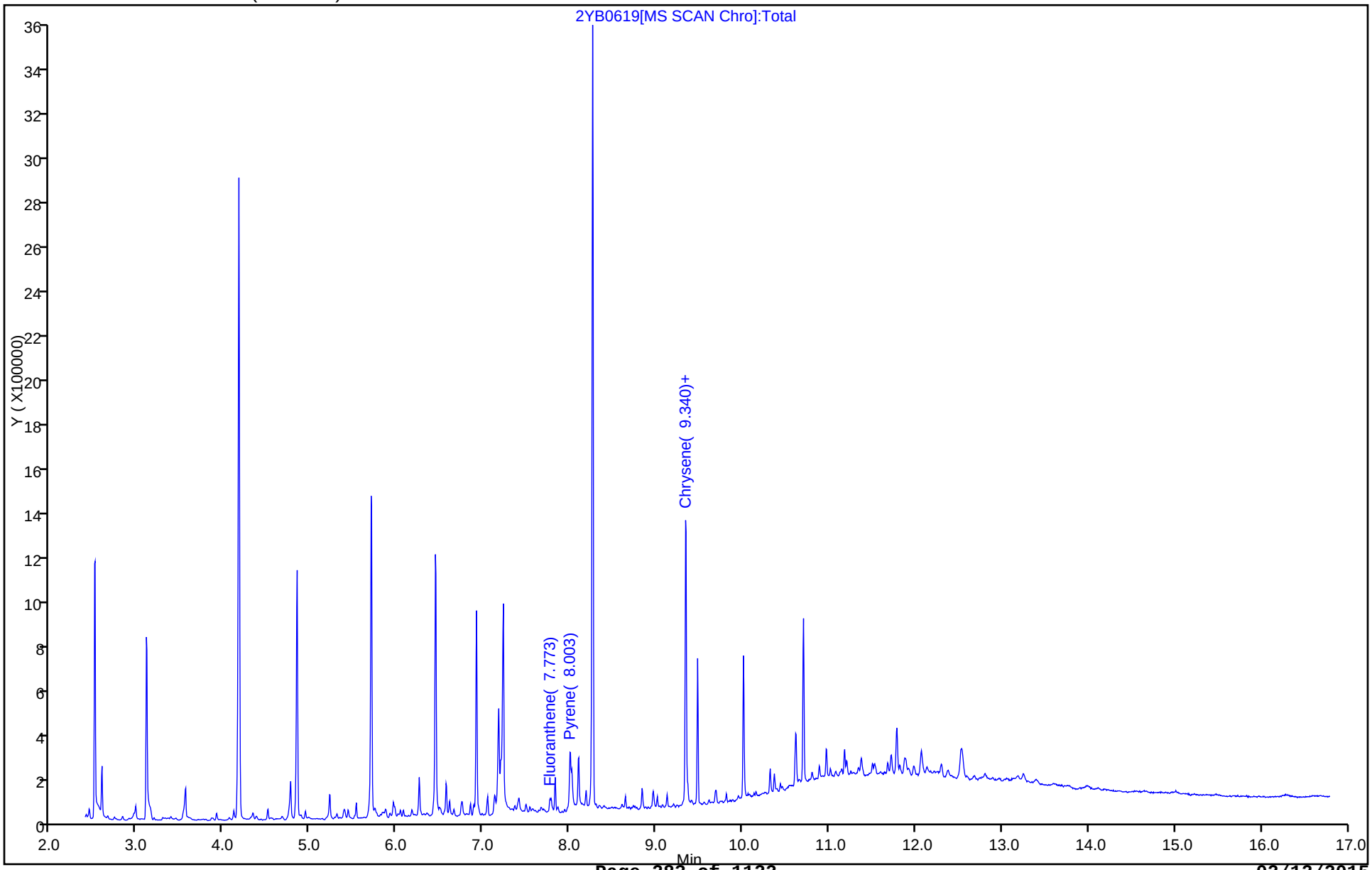
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 08:53:18 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0619.D				
Injection Date:	06-Feb-2015 22:50:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-A-30-A	Lab Sample ID:	680-109515-30	Worklist Smp#:	19
Client ID:	HP0320K-GS18"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



Manual Integration/User Assign Peak Report

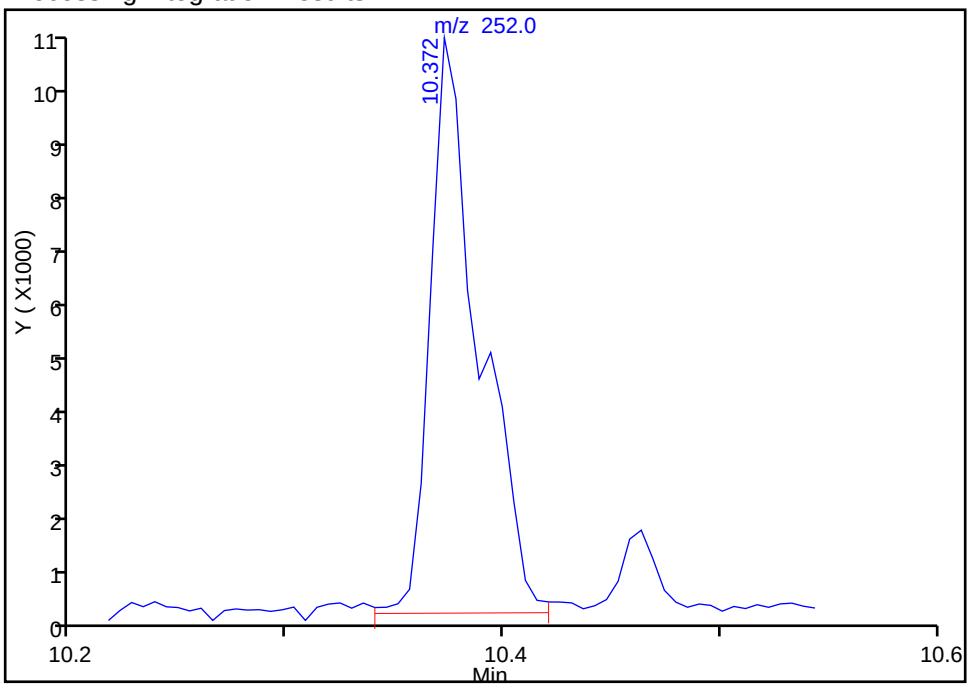
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0619.D				
Injection Date:	06-Feb-2015 22:50:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-30-A	Lab Sample ID:	680-109515-30		
Client ID:	HP0320K-GS18"				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

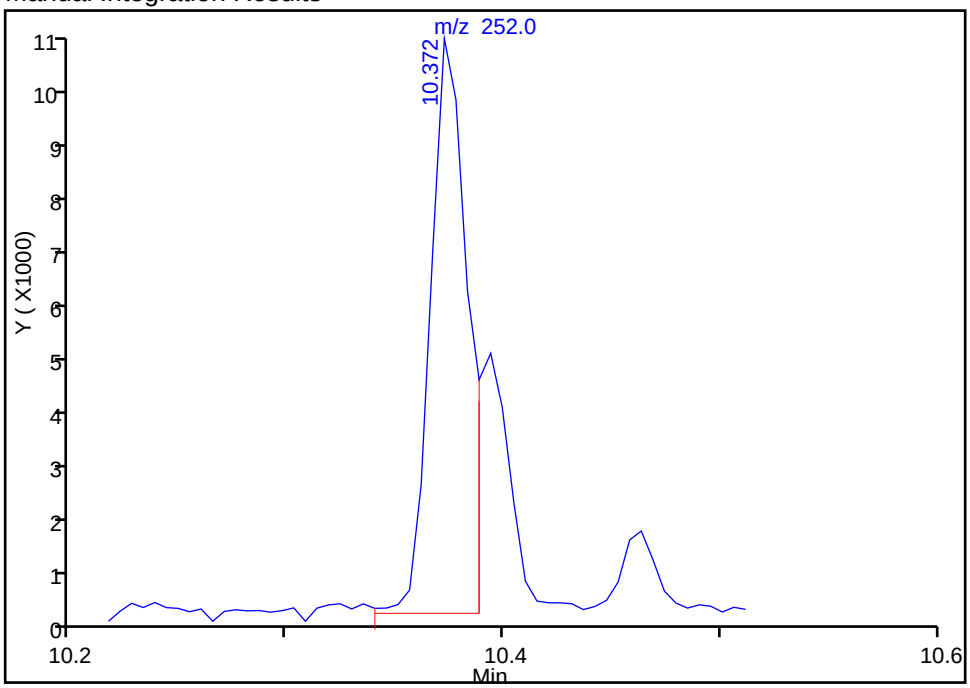
Processing Integration Results

RT: 10.37
Area: 16011
Amount: 0.084750
Amount Units: ug/ml



Manual Integration Results

RT: 10.37
Area: 12374
Amount: 0.065499
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:46:09
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

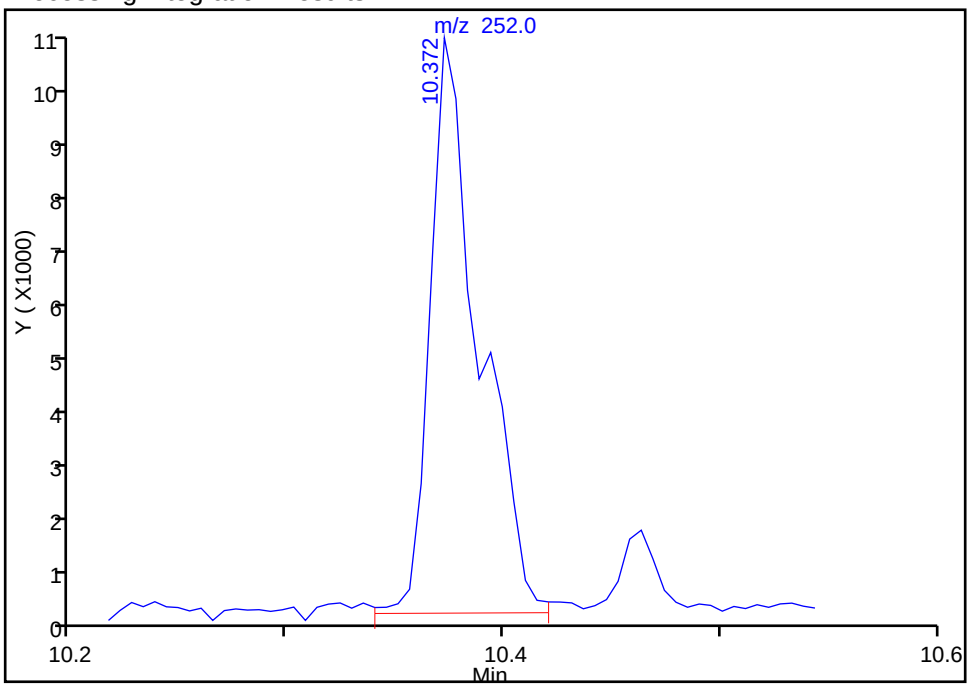
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0619.D				
Injection Date:	06-Feb-2015 22:50:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-30-A	Lab Sample ID:	680-109515-30		
Client ID:	HP0320K-GS18"				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

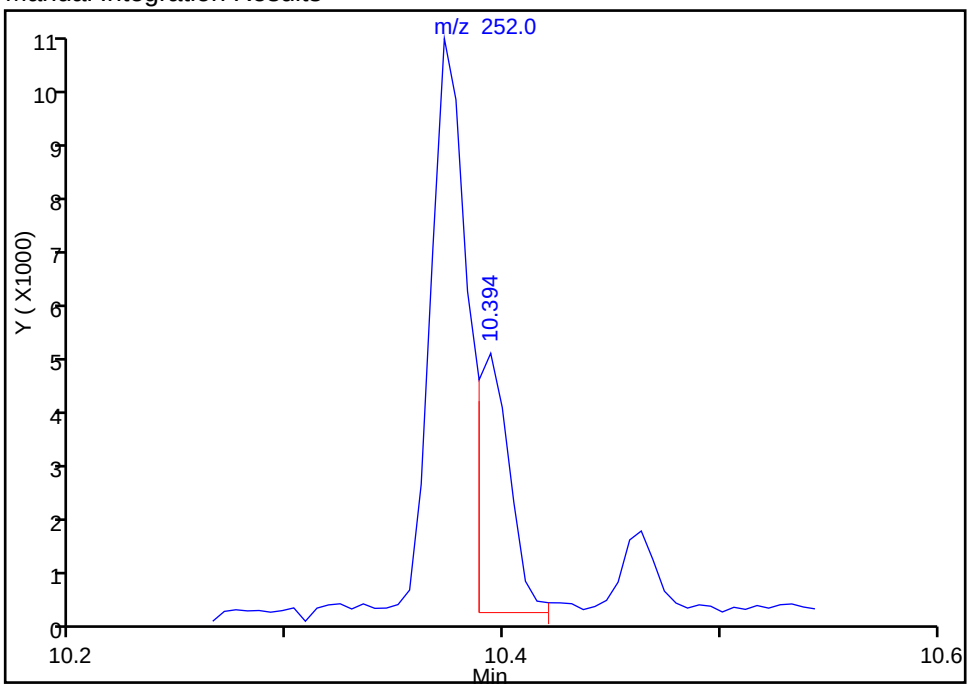
Processing Integration Results

RT: 10.37
Area: 16011
Amount: 0.083687
Amount Units: ug/ml



Manual Integration Results

RT: 10.39
Area: 4884
Amount: 0.025528
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:46:09
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320K-GS24" | Lab Sample ID: 680-109515-31

Matrix: Solid | Lab File ID: 2YB0620.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 13:30

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.15(g) | Date Analyzed: 02/06/2015 23:12

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

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

% Moisture: 19.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369958 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.3	U	8.3	4.1
208-96-8	Acenaphthylene	8.3	U	8.3	4.1
120-12-7	Anthracene	8.3	U	8.3	4.1
56-55-3	Benzo[a]anthracene	8.3	U	8.3	4.1
50-32-8	Benzo[a]pyrene	8.3	U	8.3	1.5
205-99-2	Benzo[b]fluoranthene	8.3	U	8.3	4.1
191-24-2	Benzo[g,h,i]perylene	8.3	U	8.3	4.1
207-08-9	Benzo[k]fluoranthene	8.3	U	8.3	2.5
218-01-9	Chrysene	8.3	U	8.3	4.1
53-70-3	Dibenz(a,h)anthracene	8.3	U	8.3	4.1
206-44-0	Fluoranthene	8.3	U	8.3	4.1
86-73-7	Fluorene	8.3	U	8.3	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	8.3	U	8.3	4.1
90-12-0	1-Methylnaphthalene	8.3	U	8.3	3.8
91-57-6	2-Methylnaphthalene	8.3	U	8.3	4.1
91-20-3	Naphthalene	8.3	U	8.3	4.1
85-01-8	Phenanthrene	8.3	U	8.3	3.0
129-00-0	Pyrene	8.3	U	8.3	4.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	88		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0620.D				
Lims ID:	680-109515-B-31-A	Lab Sample ID:	680-109515-31		
Client ID:	HP0320K-GS24"				
Sample Type:	Client				
Inject. Date:	06-Feb-2015 23:12:30	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	109515-B-31-A				
Misc. Info.:	680-0016908-020				
Operator ID:		Instrument ID:	CMSY		

Method:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m		
Limit Group:	8270D_LL_PAH		
Last Update:	07-Feb-2015 08:52:58	Calib Date:	03-Feb-2015 18:57:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D		

Column 1 :	Restek RXi-5Sil MS (0.25 mm)	Det: MS SCAN
Process Host:	XAWRK048	

First Level Reviewer: webbk Date: 07-Feb-2015 08:46:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.109	3.109	0.000	98	440536	2.00	
* 2 Acenaphthene-d10	164	4.847	4.842	0.005	92	260828	2.00	
* 3 Phenanthrene-d10	188	6.446	6.436	0.010	98	455063	2.00	
* 4 Chrysene-d12	240	9.340	9.324	0.016	99	357076	2.00	
* 5 Perylene-d12	264	10.704	10.677	0.027	99	264925	2.00	
$ 6 o-Terphenyl	230	6.922	6.912	0.010	91	187906	1.77	

Reagents:

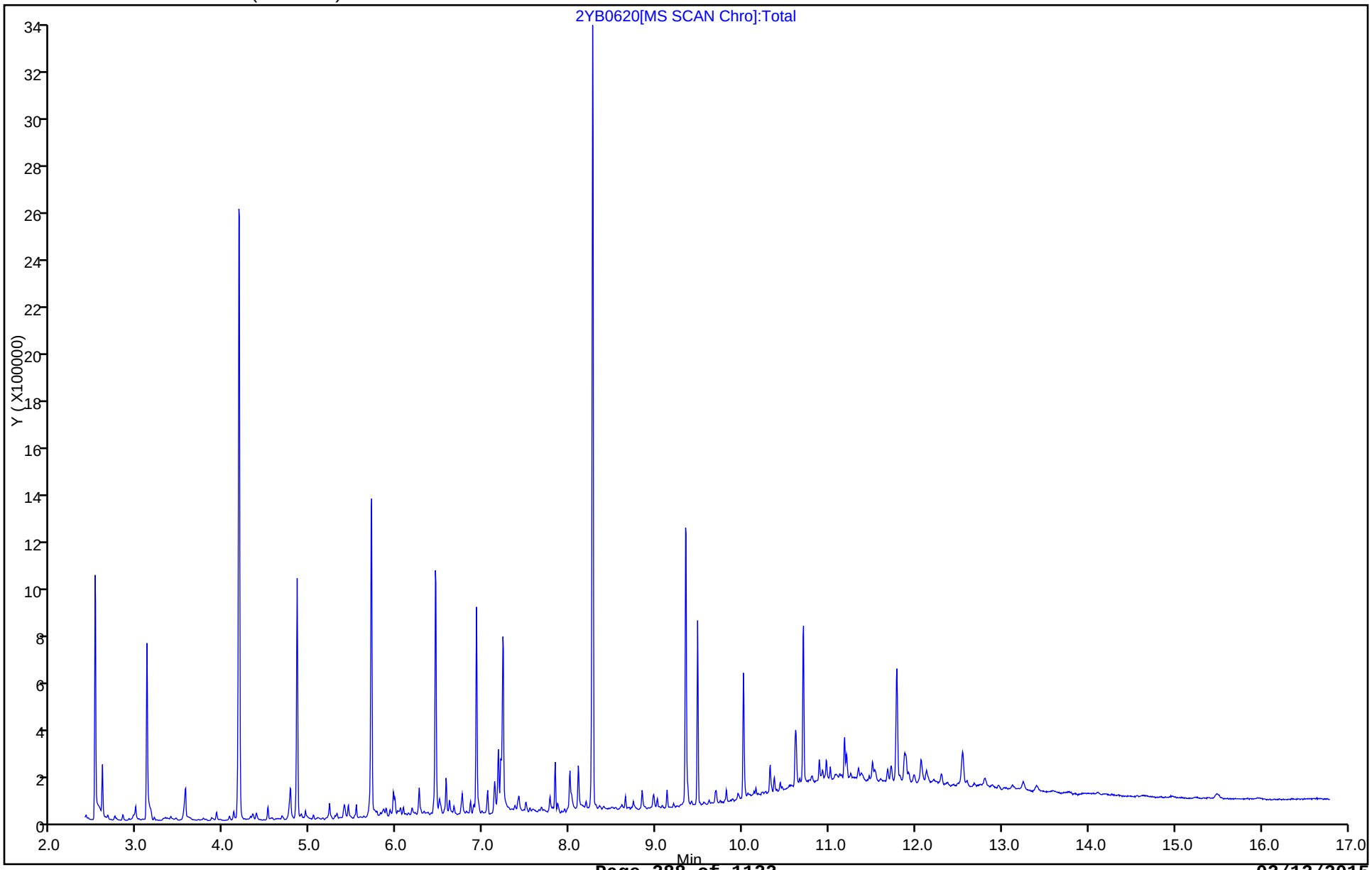
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 08:53:19 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0620.D				
Injection Date:	06-Feb-2015 23:12:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-B-31-A	Lab Sample ID:	680-109515-31	Worklist Smp#:	20
Client ID:	HP0320K-GS24"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320J-CS6" | Lab Sample ID: 680-109515-32

Matrix: Solid | Lab File ID: 1KB0733.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 14:10

Extract. Method: 3546 | Date Extracted: 02/03/2015 13:35

Sample wt/vol: 29.95(g) | Date Analyzed: 02/07/2015 21:48

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

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

% Moisture: 22.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369988 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.7	U	8.7	4.3
208-96-8	Acenaphthylene	5.7	J	8.7	4.3
120-12-7	Anthracene	10		8.7	4.3
56-55-3	Benzo[a]anthracene	58		8.7	4.3
50-32-8	Benzo[a]pyrene	52		8.7	1.6
205-99-2	Benzo[b]fluoranthene	98		8.7	4.3
191-24-2	Benzo[g,h,i]perylene	30		8.7	4.3
207-08-9	Benzo[k]fluoranthene	35		8.7	2.6
218-01-9	Chrysene	78		8.7	4.3
53-70-3	Dibenz(a,h)anthracene	12		8.7	4.3
206-44-0	Fluoranthene	82		8.7	4.3
86-73-7	Fluorene	8.7	U	8.7	4.3
193-39-5	Indeno[1,2,3-cd]pyrene	19		8.7	4.3
90-12-0	1-Methylnaphthalene	15		8.7	4.0
91-57-6	2-Methylnaphthalene	18		8.7	4.3
91-20-3	Naphthalene	20		8.7	4.3
85-01-8	Phenanthrene	56		8.7	3.1
129-00-0	Pyrene	71		8.7	4.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	77		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0733.D				
Lims ID:	680-109515-A-32-B	Lab Sample ID:	680-109515-32		
Client ID:	HP0320J-CS6"				
Sample Type:	Client				
Inject. Date:	07-Feb-2015 21:48:30	ALS Bottle#:	32	Worklist Smp#:	33
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	680-109515-A-32-B				
Misc. Info.:	680-0016917-033				
Operator ID:		Instrument ID:	CMSK		

Method:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\8270_LLPAH_CMSK.m		
Limit Group:	8270D_LL_PAH		
Last Update:	09-Feb-2015 10:59:10	Calib Date:	04-Feb-2015 11:35:30
Integrator:	RTE	ID Type:	RT Order ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D		

Column 1 :	Restek RXi-5Sil MS (0.25 mm)	Det: MS SCAN
Process Host:	XAWRK020	

First Level Reviewer: webbk Date: 09-Feb-2015 11:01:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.090	4.090	0.000	98	765023	2.00	
* 2 Acenaphthene-d10	164	5.882	5.882	0.000	77	430857	2.00	
* 3 Phenanthrene-d10	188	7.504	7.492	0.012	97	630664	2.00	
* 4 Chrysene-d12	240	10.342	10.324	0.018	98	457974	2.00	
* 5 Perylene-d12	264	11.828	11.793	0.035	97	294080	2.00	
$ 6 o-Terphenyl	230	7.939	7.933	0.006	86	277885	1.54	
7 Naphthalene	128	4.114	4.114	0.000	87	204331	0.4664	
9 2-Methylnaphthalene	142	4.795	4.789	0.006	80	114363	0.4162	
8 1-Methylnaphthalene	142	4.895	4.889	0.006	78	84716	0.3406	
11 Acenaphthylene	152	5.735	5.730	0.005	94	54781	0.1319	
15 Phenanthrene	178	7.527	7.522	0.005	98	509960	1.30	
16 Anthracene	178	7.586	7.575	0.011	87	85267	0.2349	
17 Fluoranthene	202	8.838	8.820	0.018	98	777985	1.91	
18 Pyrene	202	9.079	9.061	0.018	96	604236	1.64	
19 Benzo[a]anthracene	228	10.330	10.313	0.017	89	396843	1.34	
20 Chrysene	228	10.365	10.348	0.017	95	510008	1.80	
21 Benzo[b]fluoranthene	252	11.405	11.382	0.023	85	464276	2.27	M
22 Benzo[k]fluoranthene	252	11.423	11.411	0.012	80	158981	0.7997	M
23 Benzo[a]pyrene	252	11.764	11.734	0.030	73	212008	1.20	
24 Indeno[1,2,3-cd]pyrene	276	13.250	13.192	0.058	94	103348	0.4379	
25 Dibenz(a,h)anthracene	278	13.268	13.221	0.047	70	38298	0.2885	
26 Benzo[g,h,i]perylene	276	13.673	13.609	0.064	78	97986	0.6885	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Feb-2015 11:01:02 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0733.D				
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Lims ID:	680-109515-A-32-B	Lab Sample ID:	680-109515-32	Worklist Smp#:	33
Client ID:	HP0320J-CS6"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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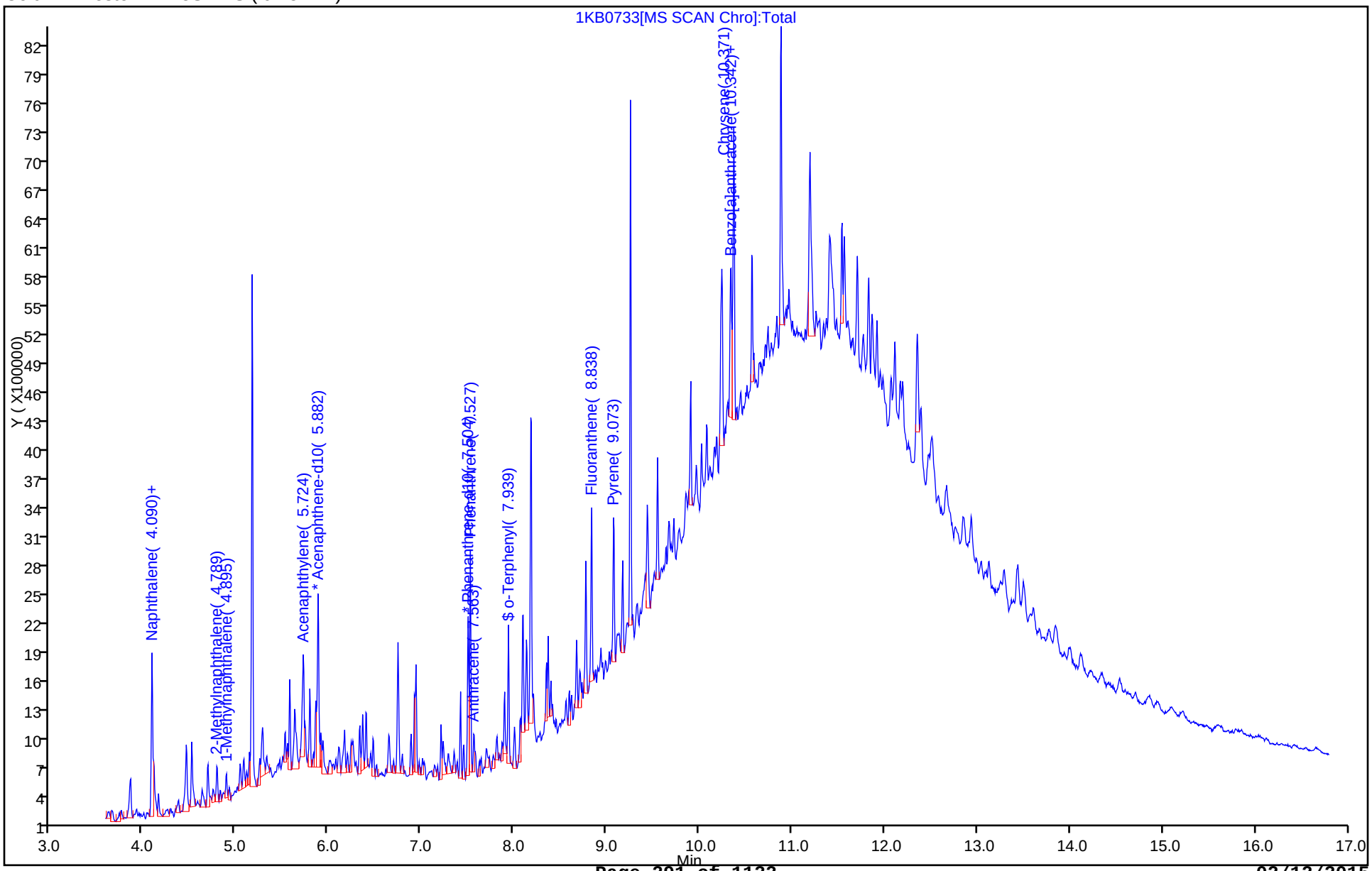

Report Date: 09-Feb-2015 11:01:02 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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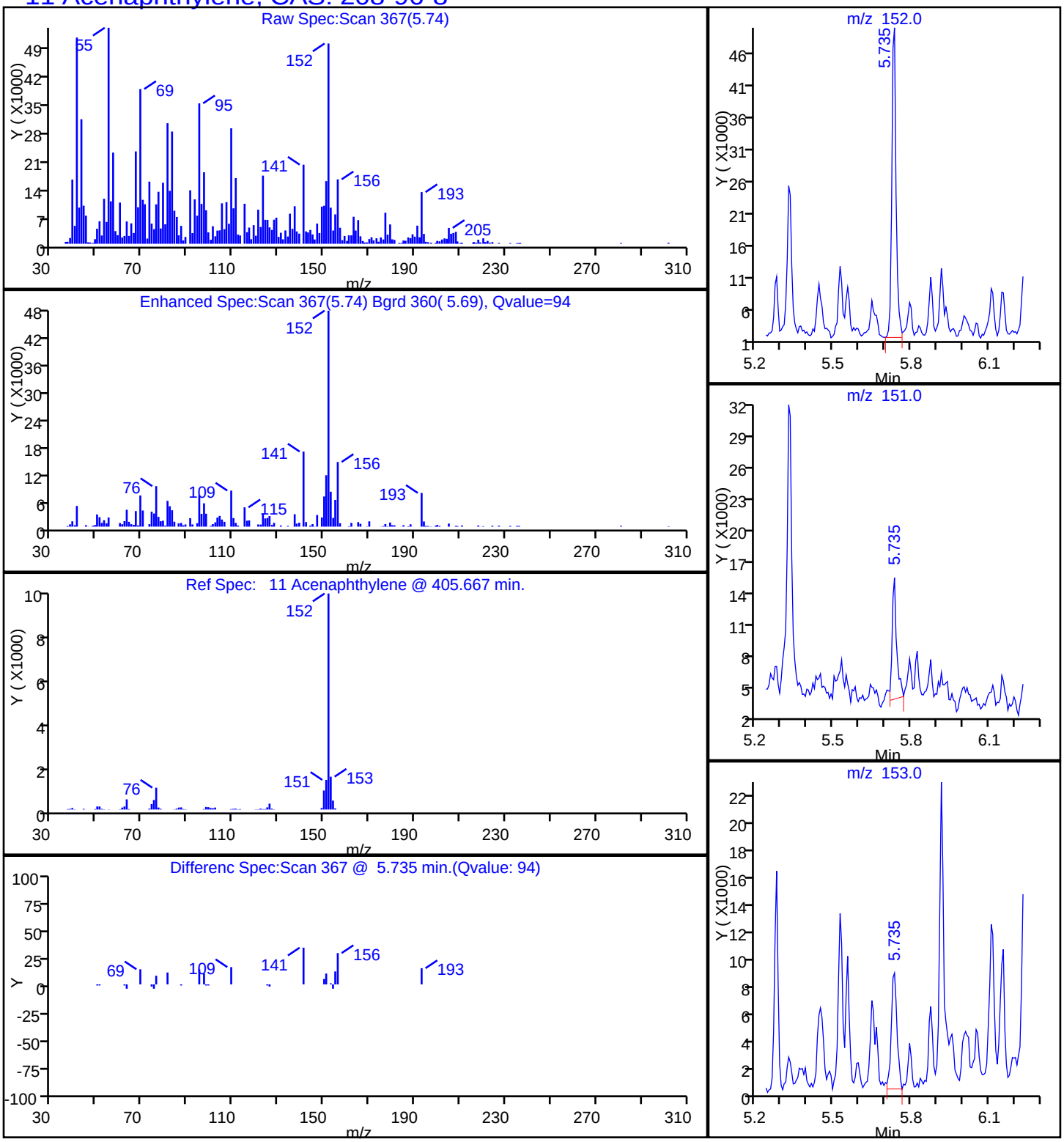
Lims ID:	680-109515-A-32-B	Lab Sample ID:	680-109515-32		
Client ID:	HP0320J-CS6"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	33
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

11 Acenaphthylene, CAS: 208-96-8



Report Date: 09-Feb-2015 11:01:02 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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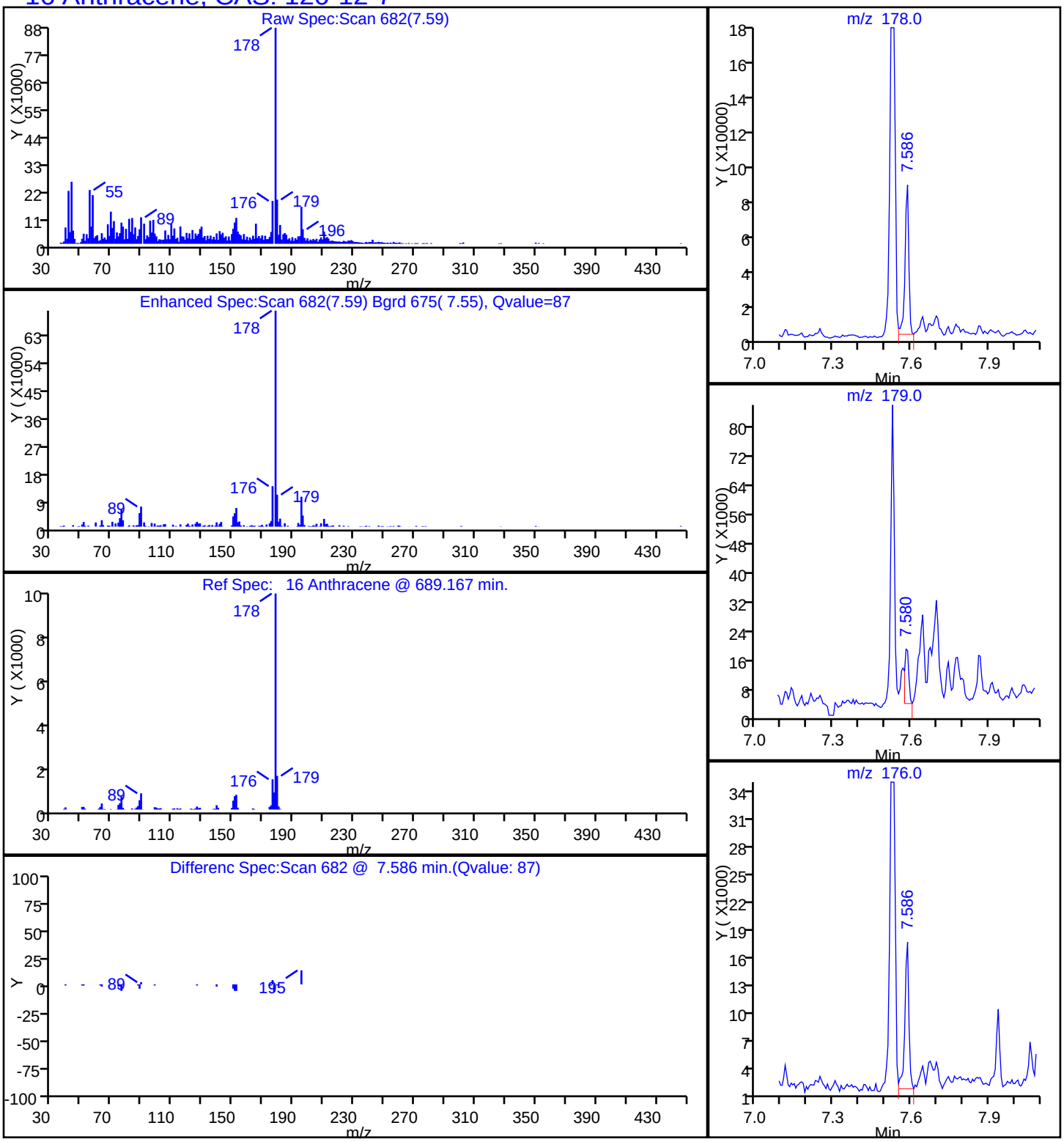
Client ID:	HP0320J-CS6"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	33
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

16 Anthracene, CAS: 120-12-7



Report Date: 09-Feb-2015 11:01:02 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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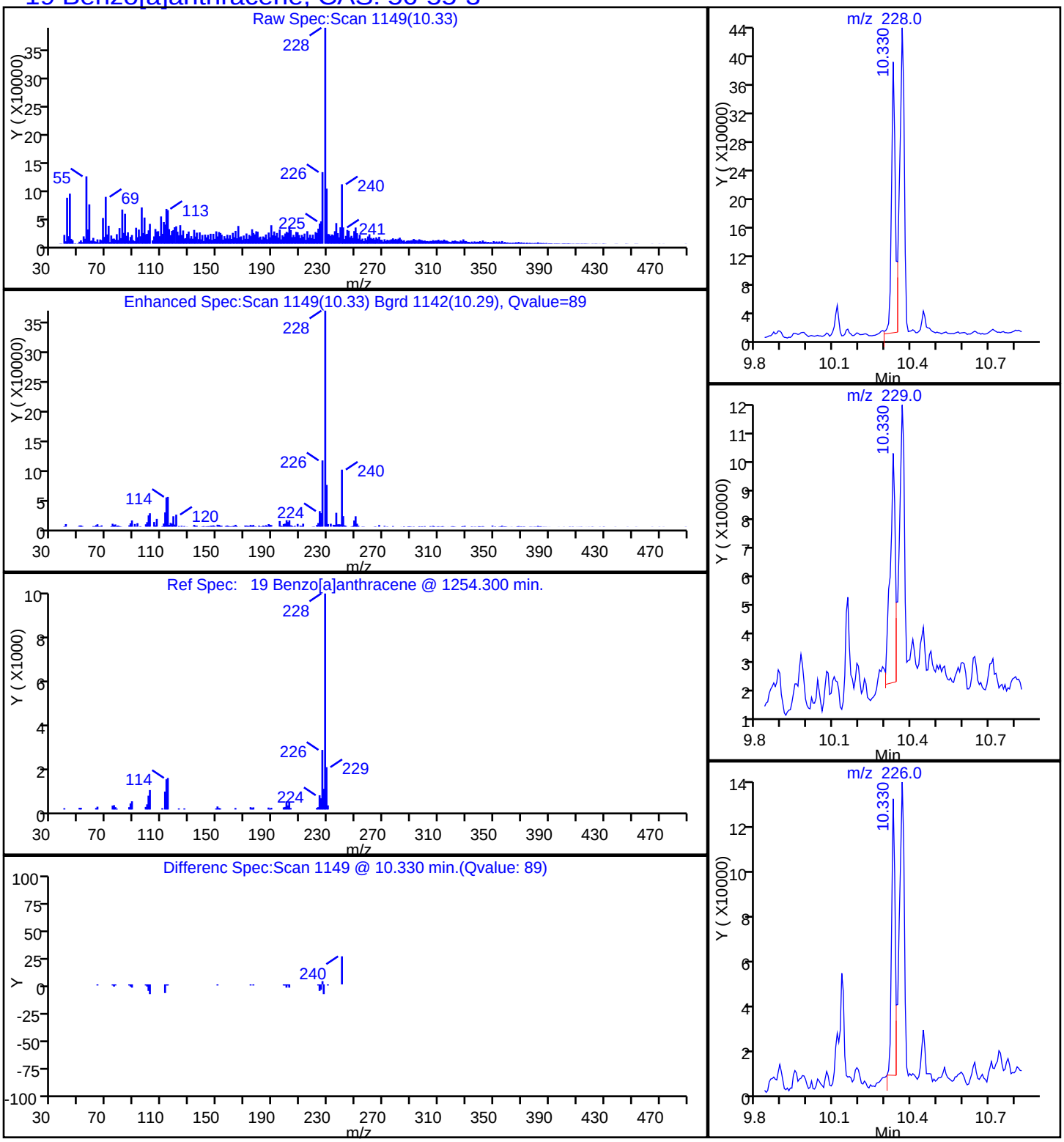
Lims ID:	680-109515-A-32-B	Lab Sample ID:	680-109515-32		
Client ID:	HP0320J-CS6"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	33
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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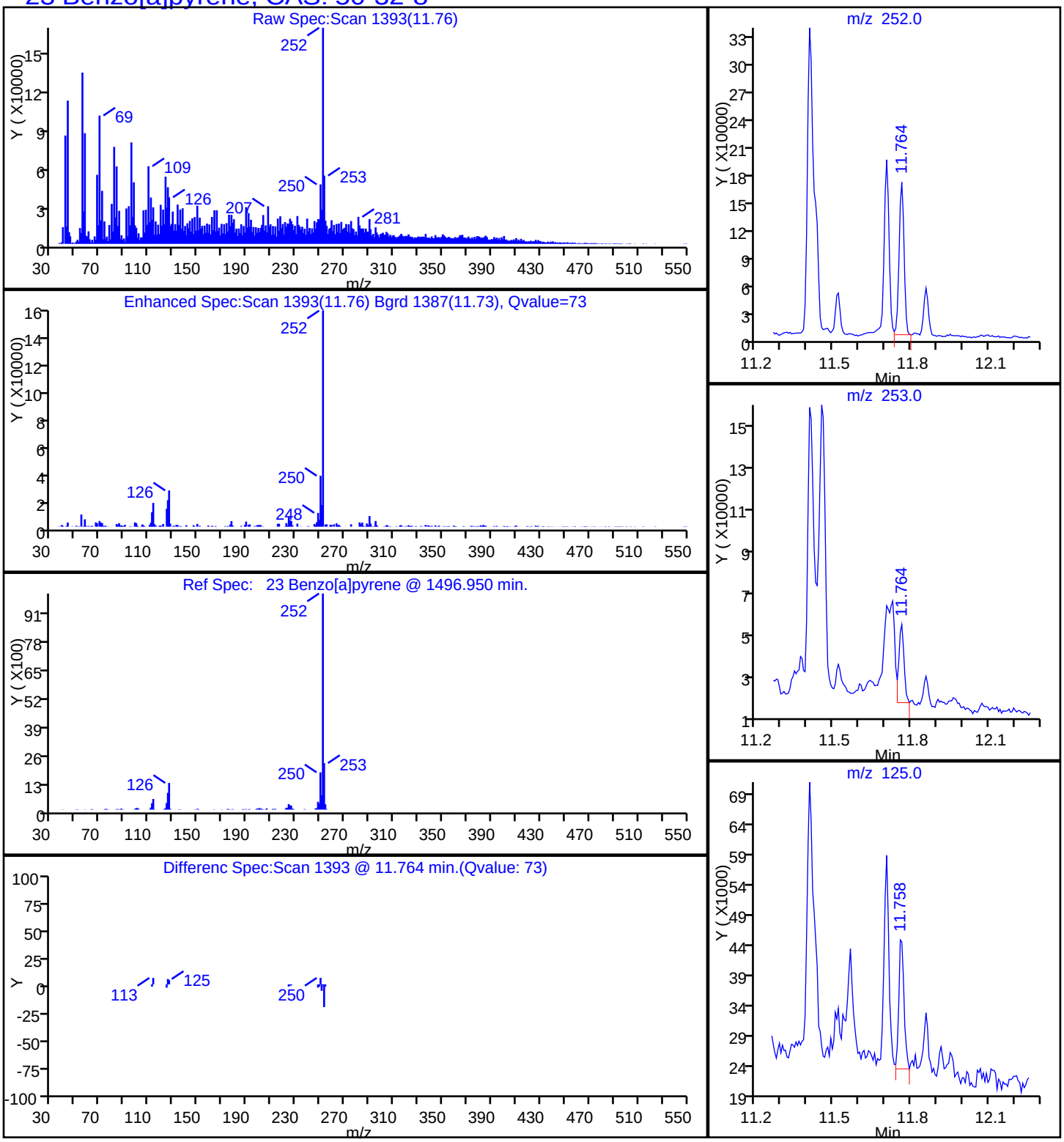
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	33
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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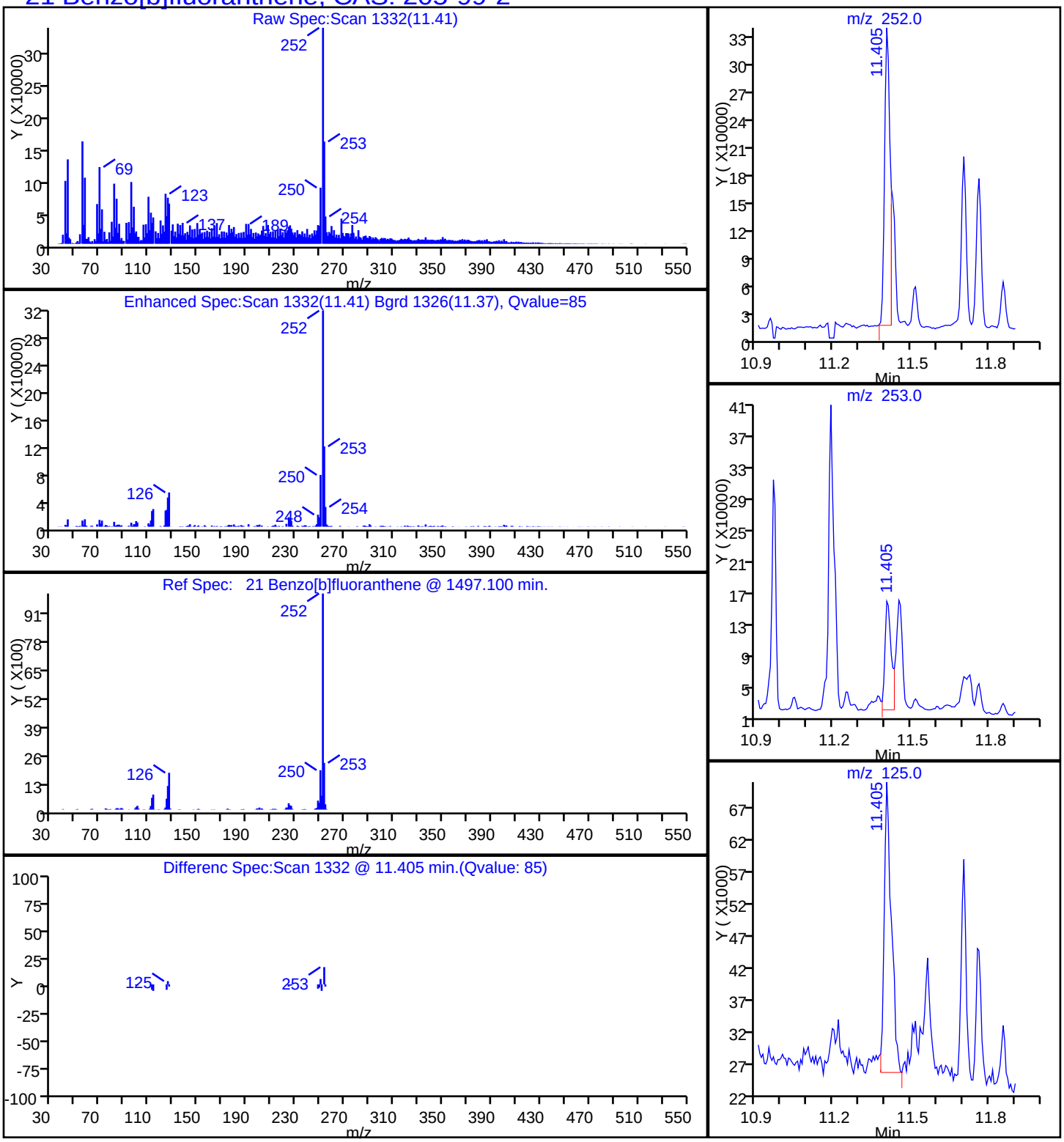
Client ID:	HP0320J-CS6"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	33
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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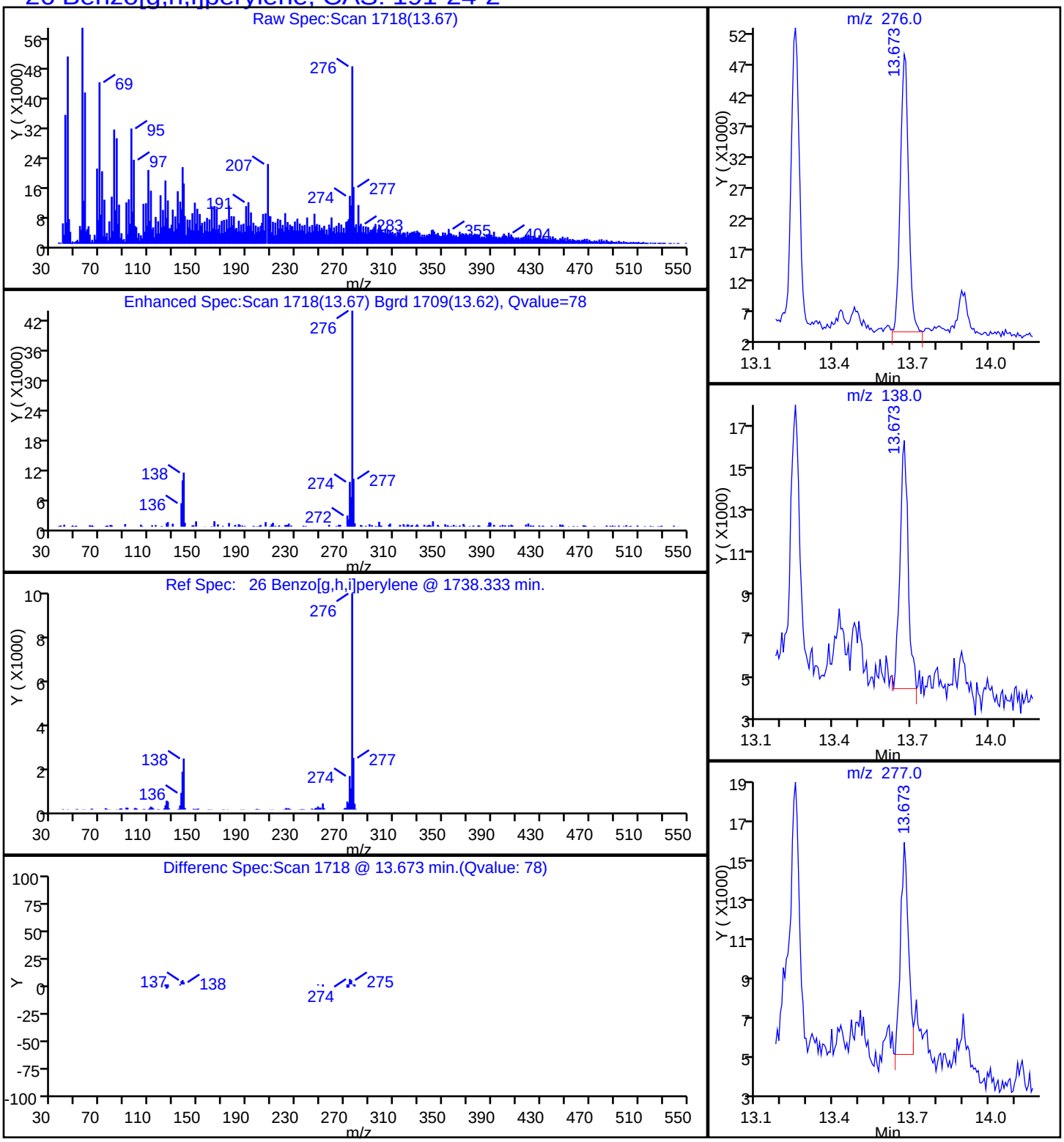
Client ID:	HP0320J-CS6"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	33
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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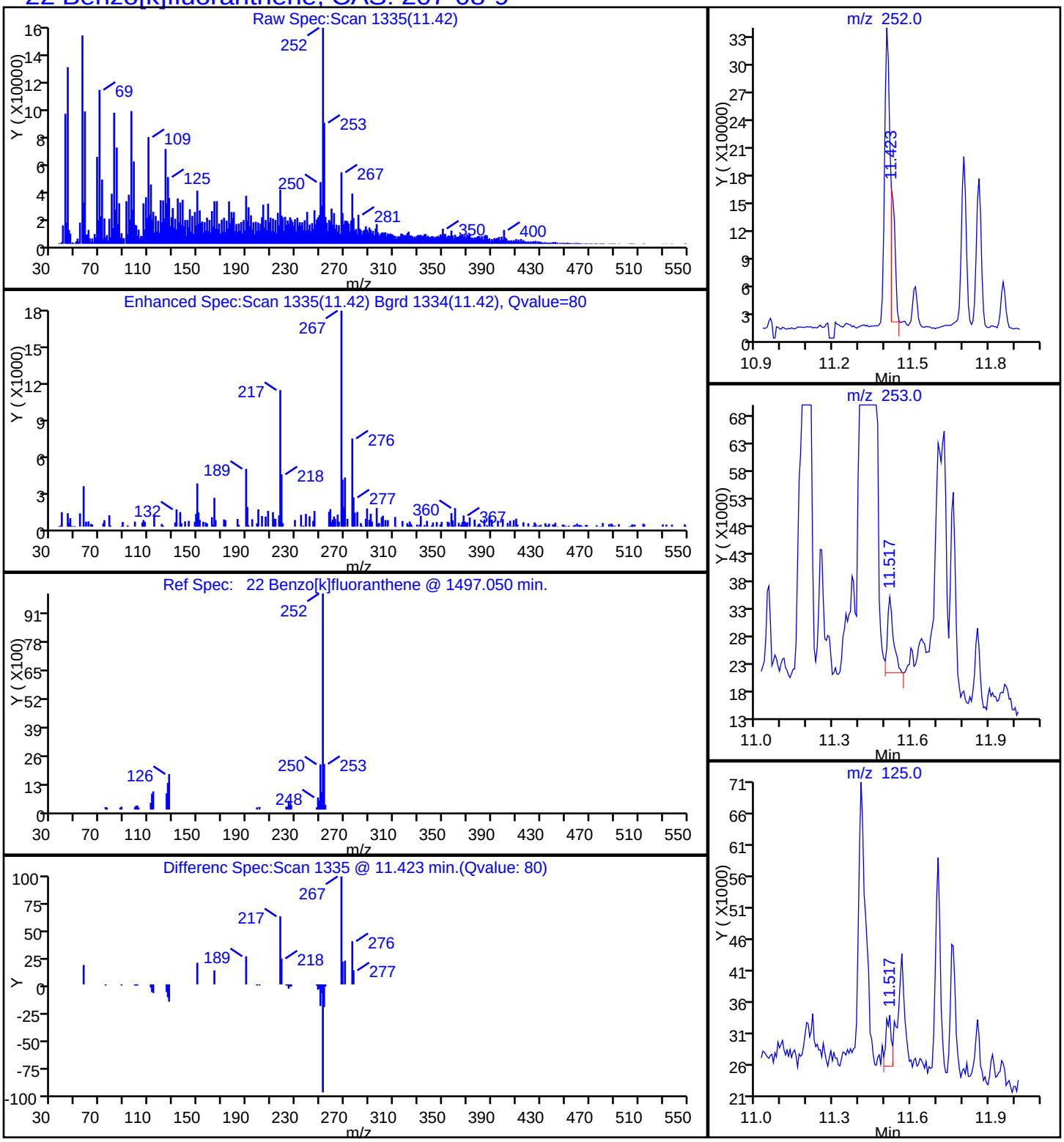
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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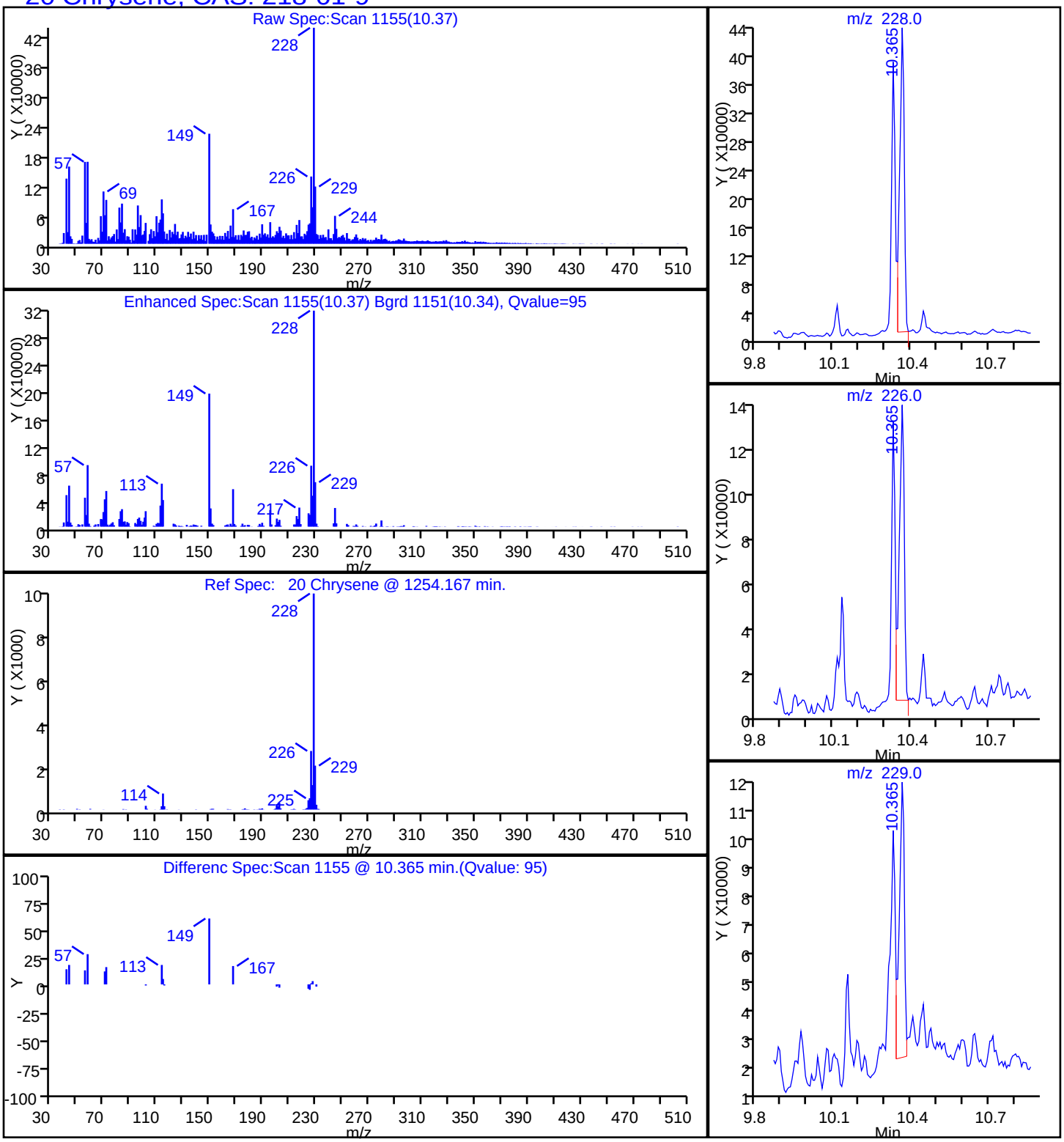
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 Chrysene, CAS: 218-01-9



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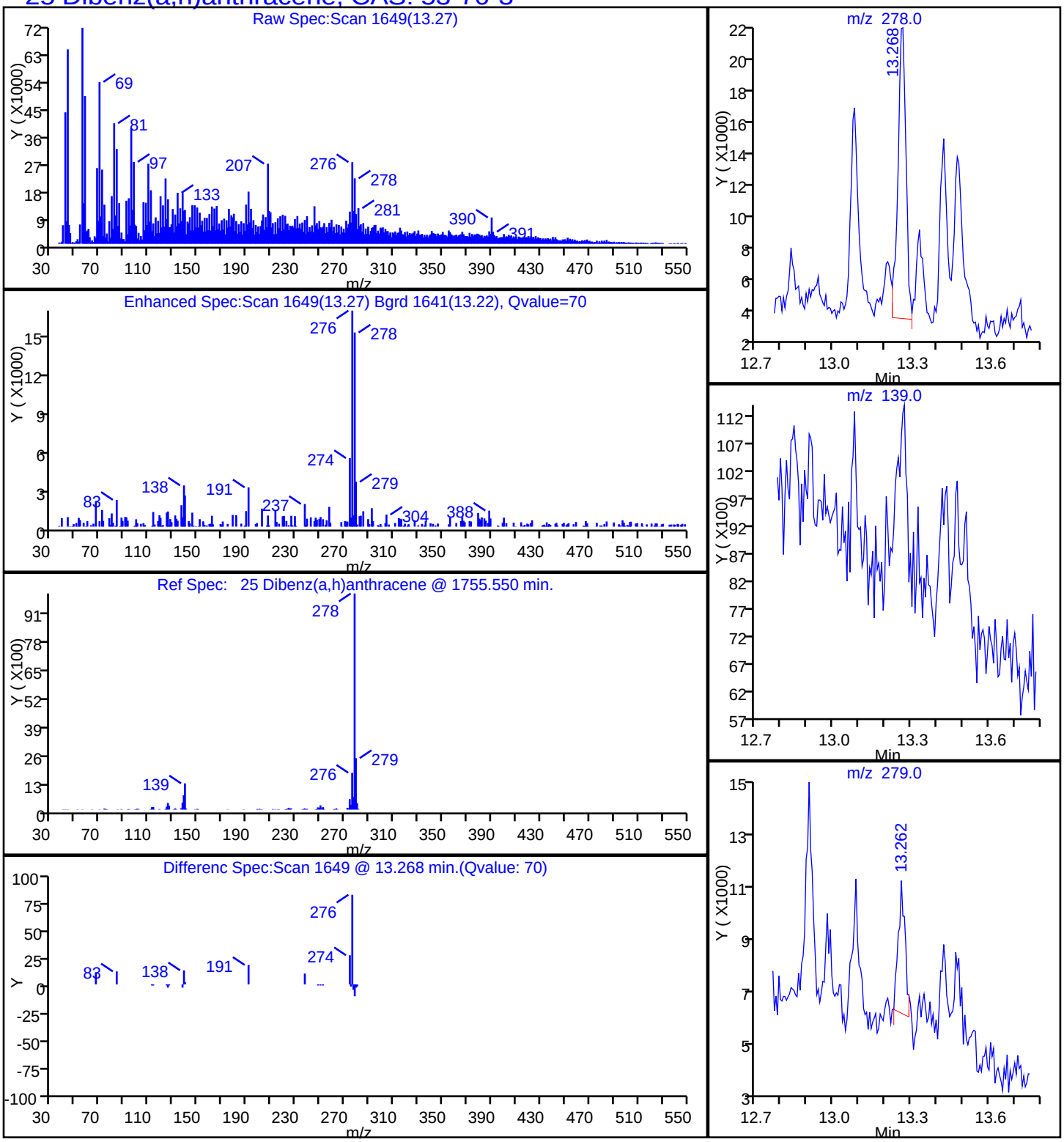
25 Dibenz(a,h)anthracene, CAS: 53-70-3



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TestAmerica Savannah

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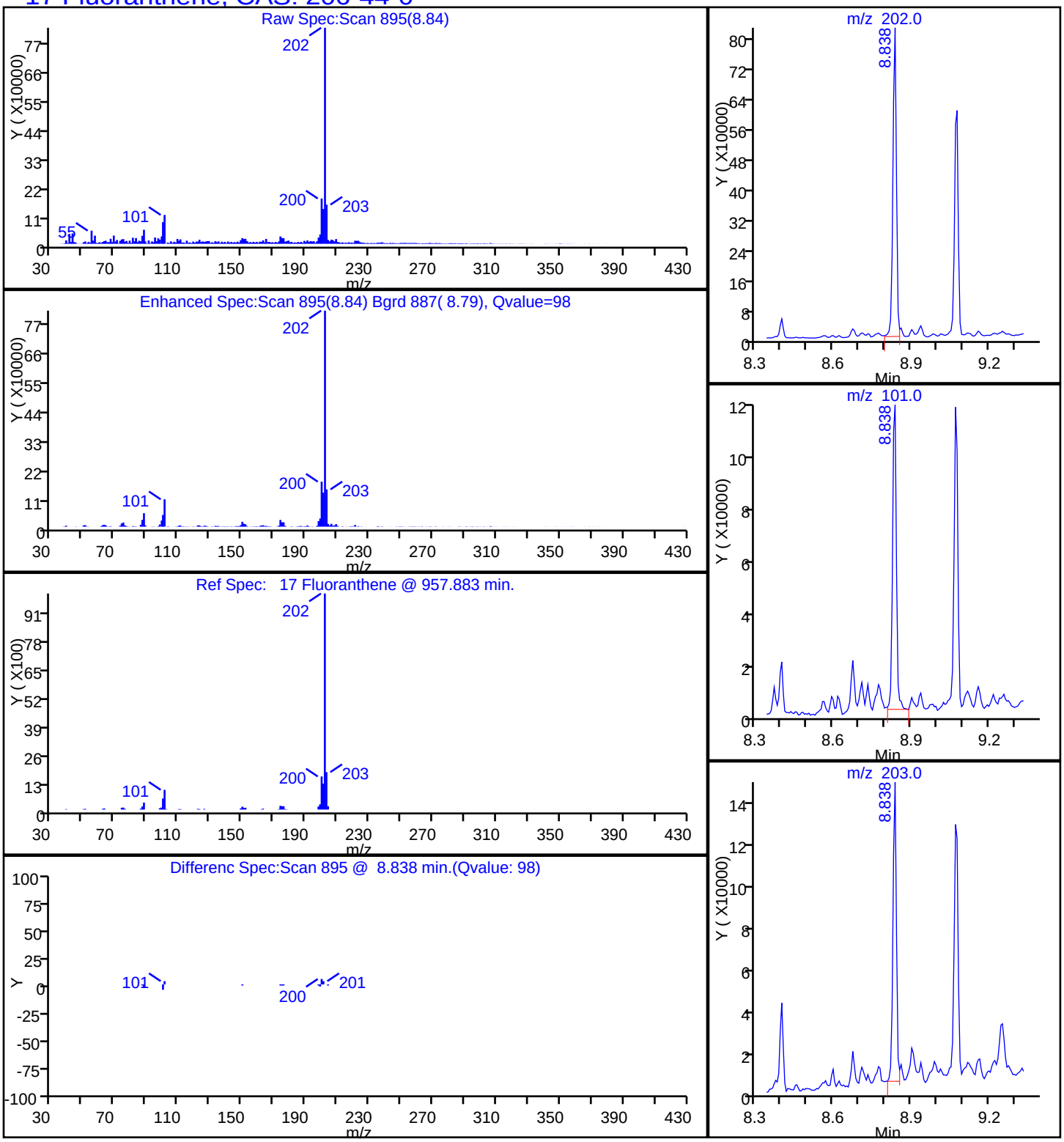
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

17 Fluoranthene, CAS: 206-44-0



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TestAmerica Savannah

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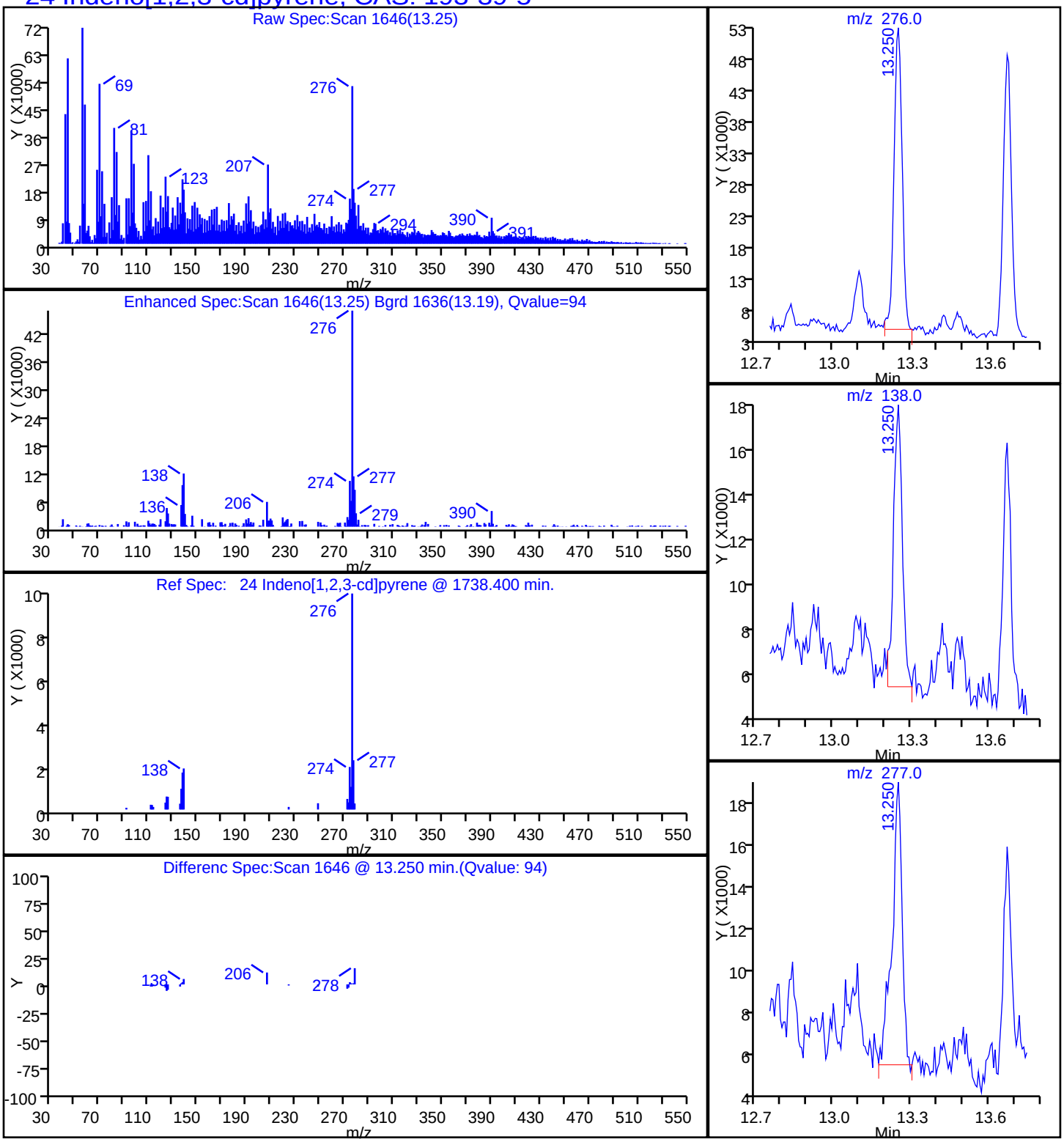
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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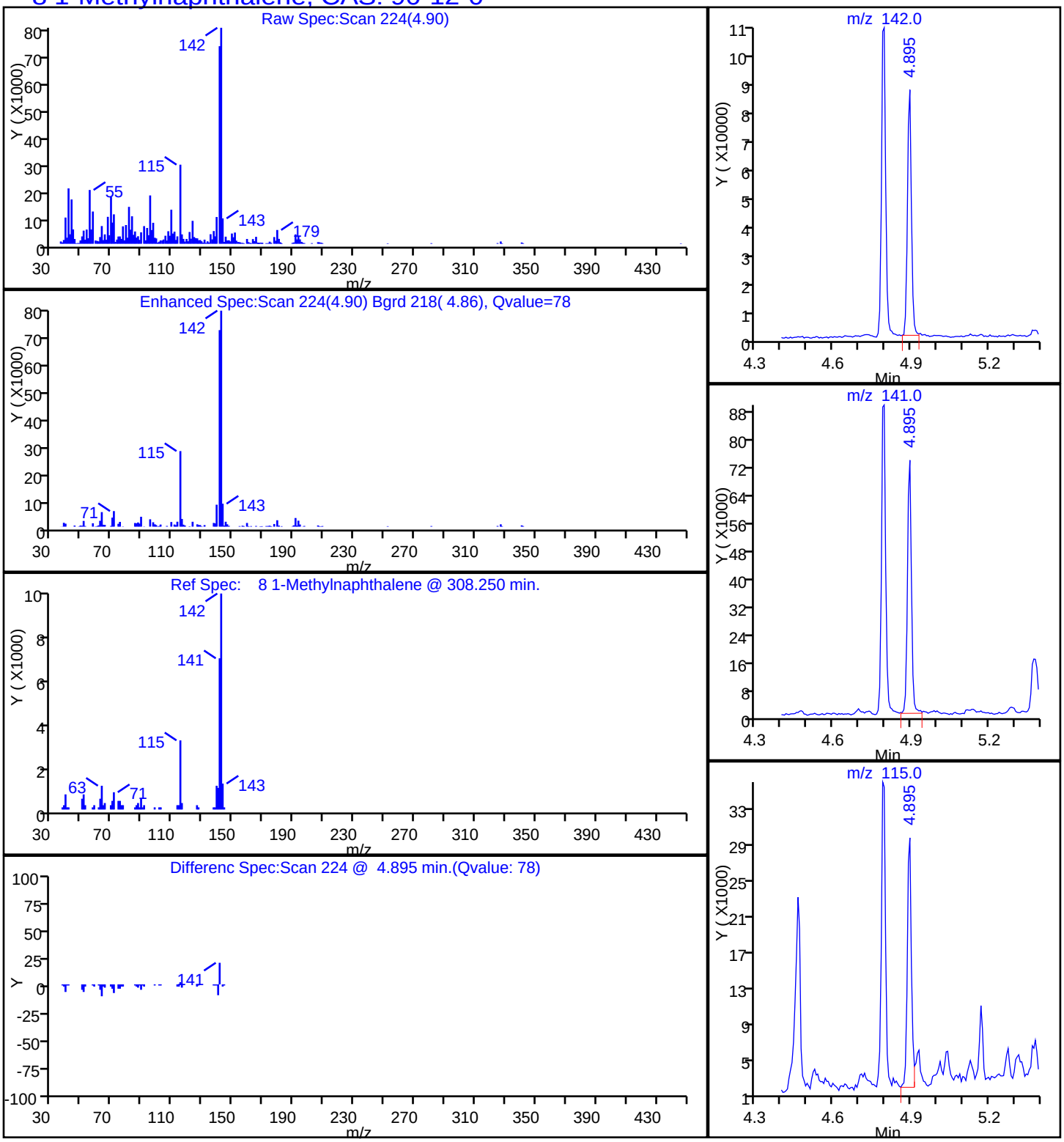
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



Report Date: 09-Feb-2015 11:01:02 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

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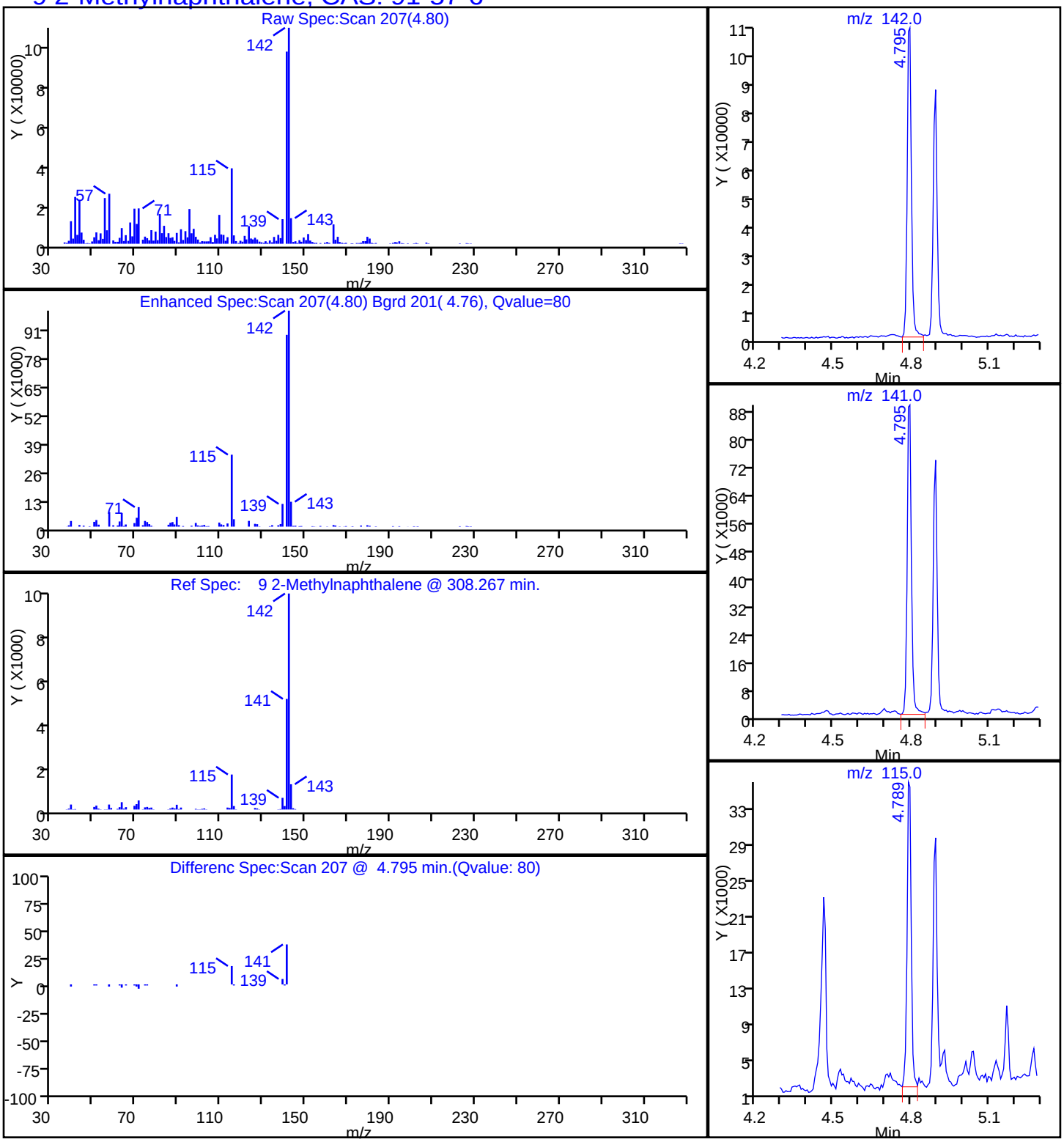
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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



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TestAmerica Savannah

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Lims ID:	680-109515-A-32-B	Lab Sample ID:	680-109515-32		
Client ID:	HP0320J-CS6"				
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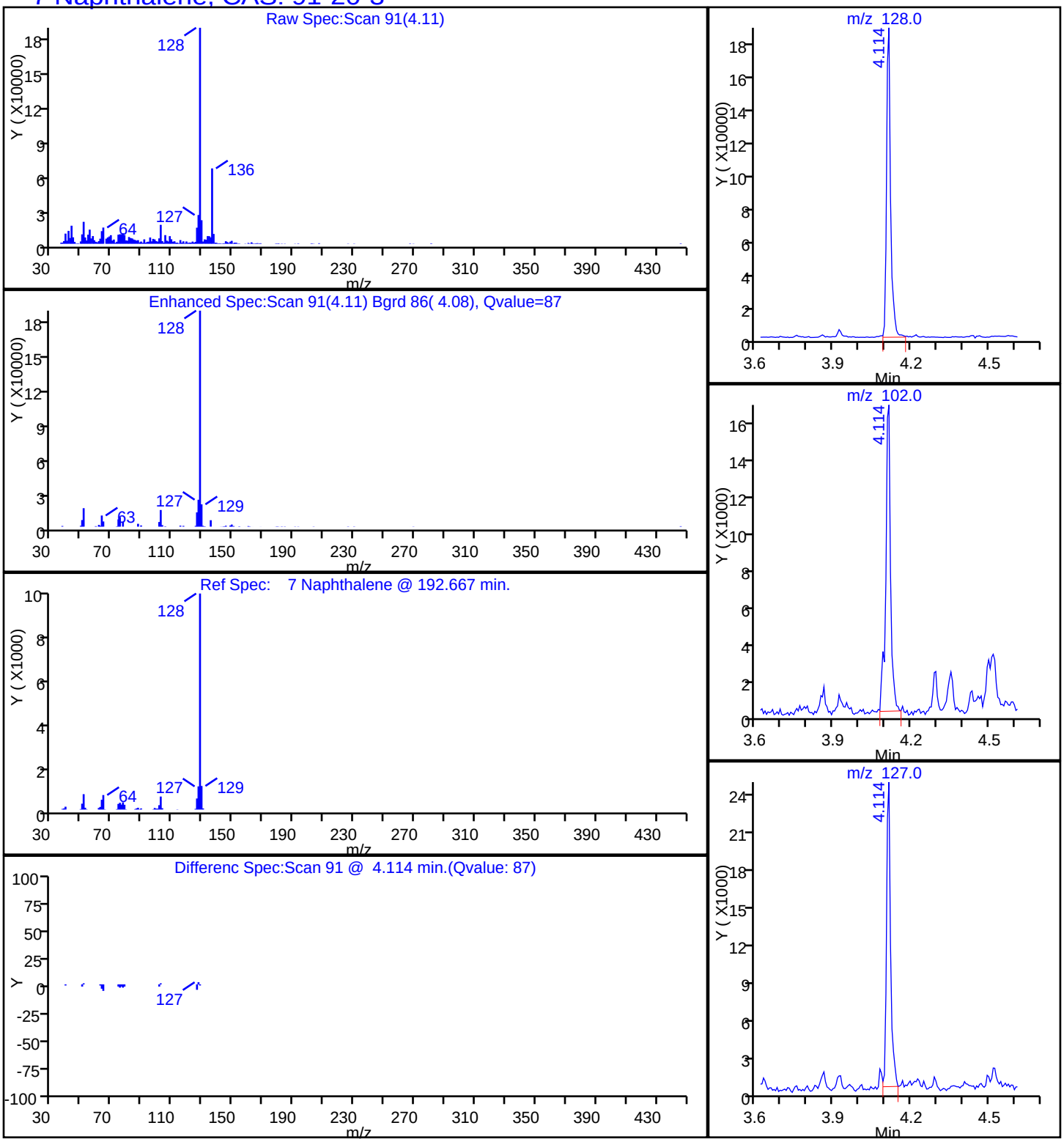
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Naphthalene, CAS: 91-20-3



Report Date: 09-Feb-2015 11:01:02 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0733.D				
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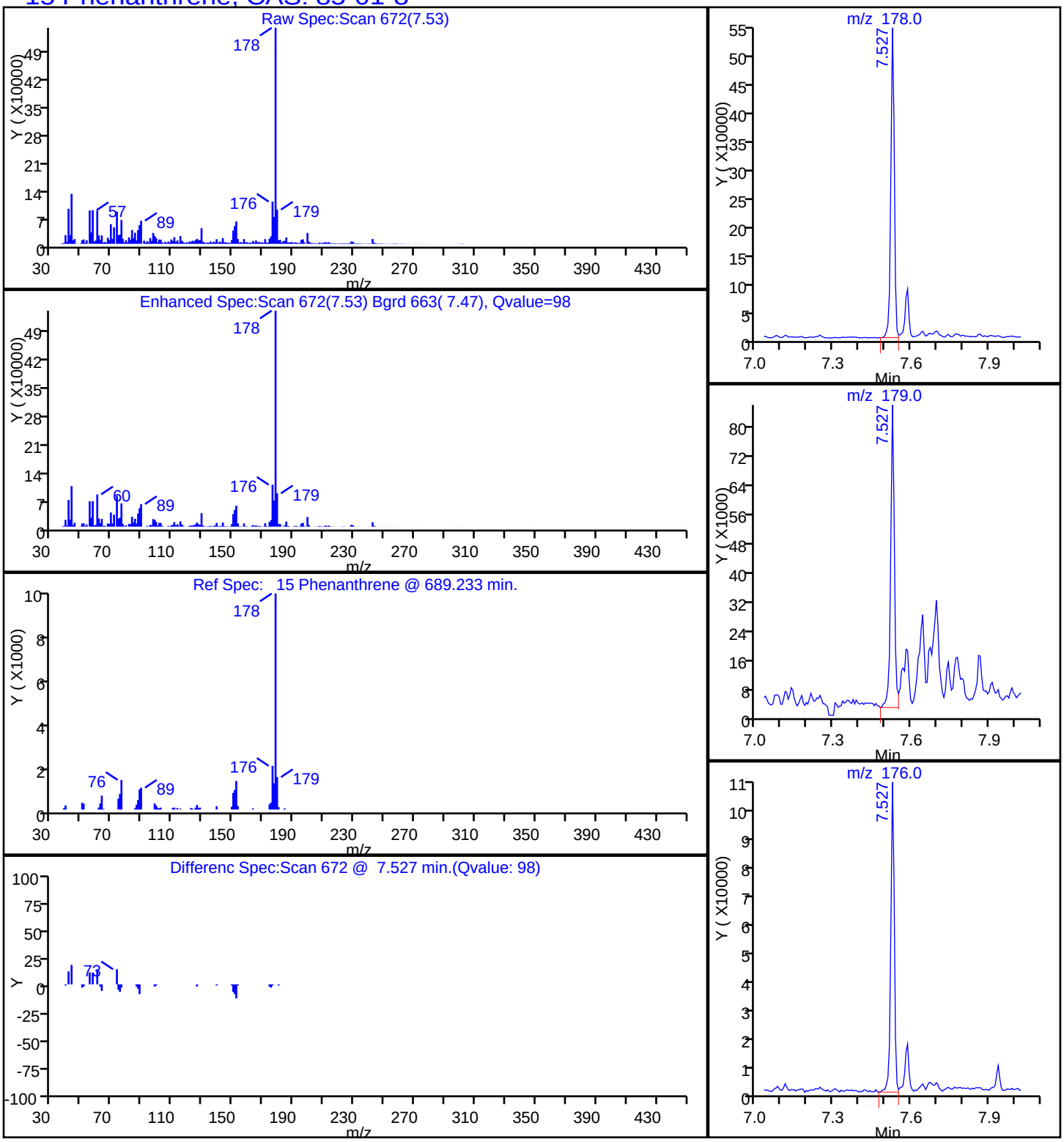
Lims ID:	680-109515-A-32-B	Lab Sample ID:	680-109515-32		
Client ID:	HP0320J-CS6"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	33
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

15 Phenanthrene, CAS: 85-01-8

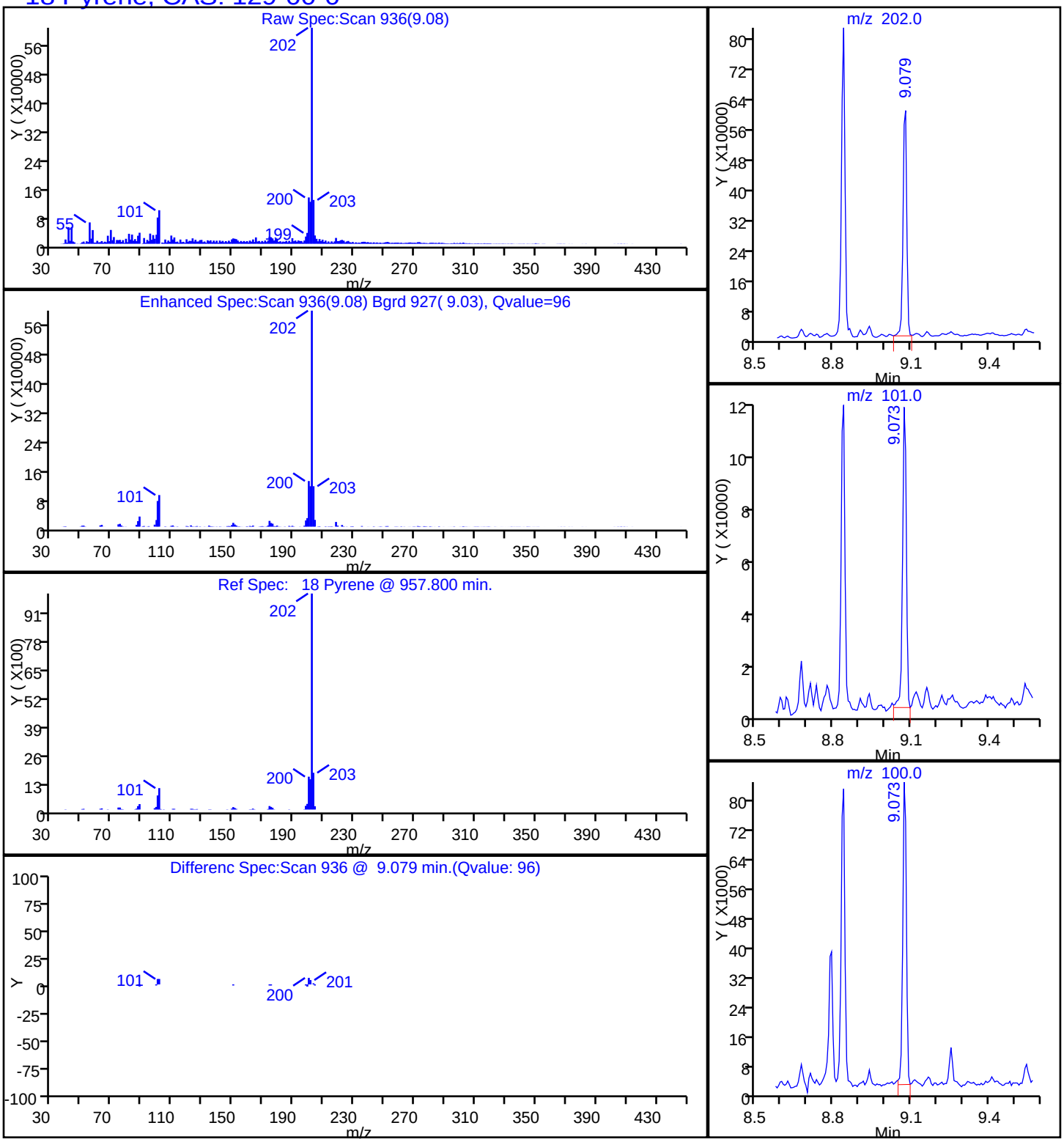


Report Date: 09-Feb-2015 11:01:02 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0733.D				
Injection Date:	07-Feb-2015 21:48:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-32-B	Lab Sample ID:	680-109515-32		
Client ID:	HP0320J-CS6"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	33
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

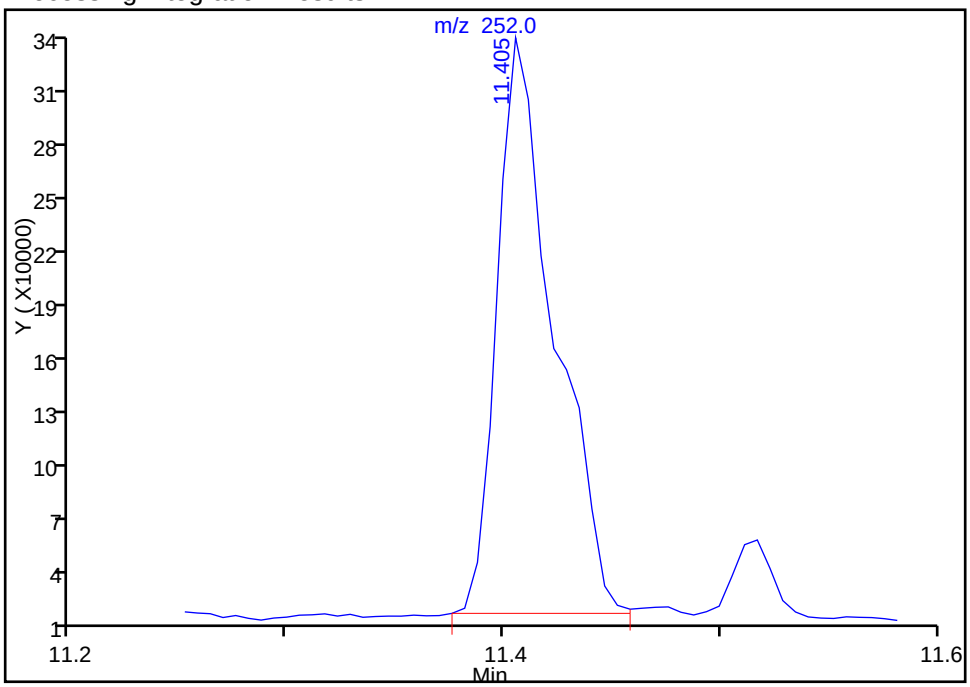
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0733.D				
Injection Date:	07-Feb-2015 21:48:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-32-B	Lab Sample ID:	680-109515-32		
Client ID:	HP0320J-CS6"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	33
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

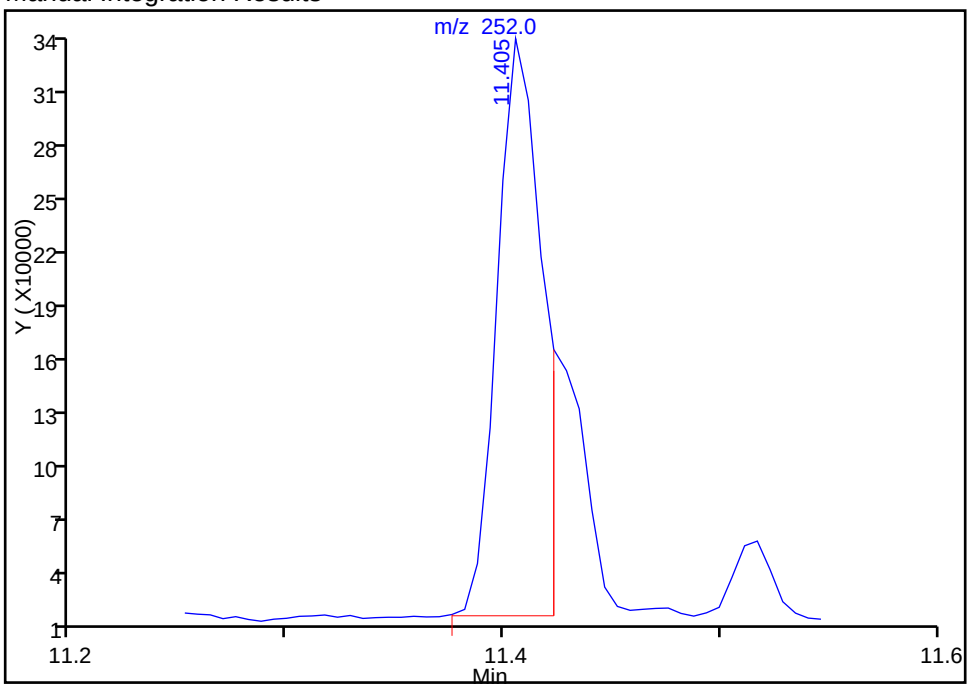
Processing Integration Results

RT: 11.41
Area: 576815
Amount: 2.816752
Amount Units: ug/ml



Manual Integration Results

RT: 11.41
Area: 464276
Amount: 2.267192
Amount Units: ug/ml



Reviewer: webbk, 09-Feb-2015 10:55:06
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

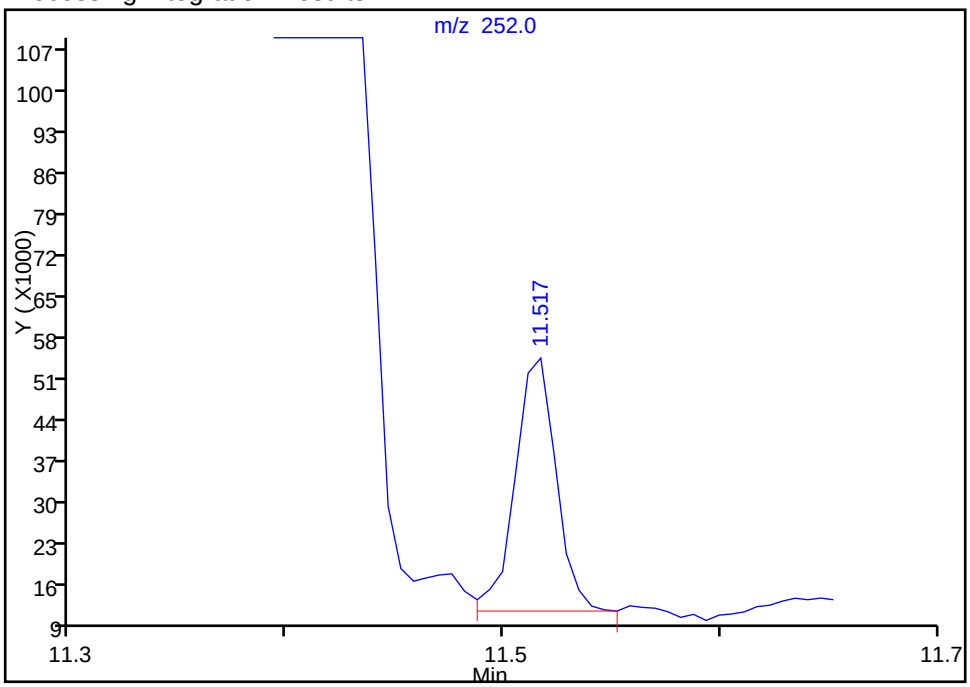
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0733.D				
Injection Date:	07-Feb-2015 21:48:30	Instrument ID:	CMSK		
Lims ID:	680-109515-A-32-B	Lab Sample ID:	680-109515-32		
Client ID:	HP0320J-CS6"				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	33
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

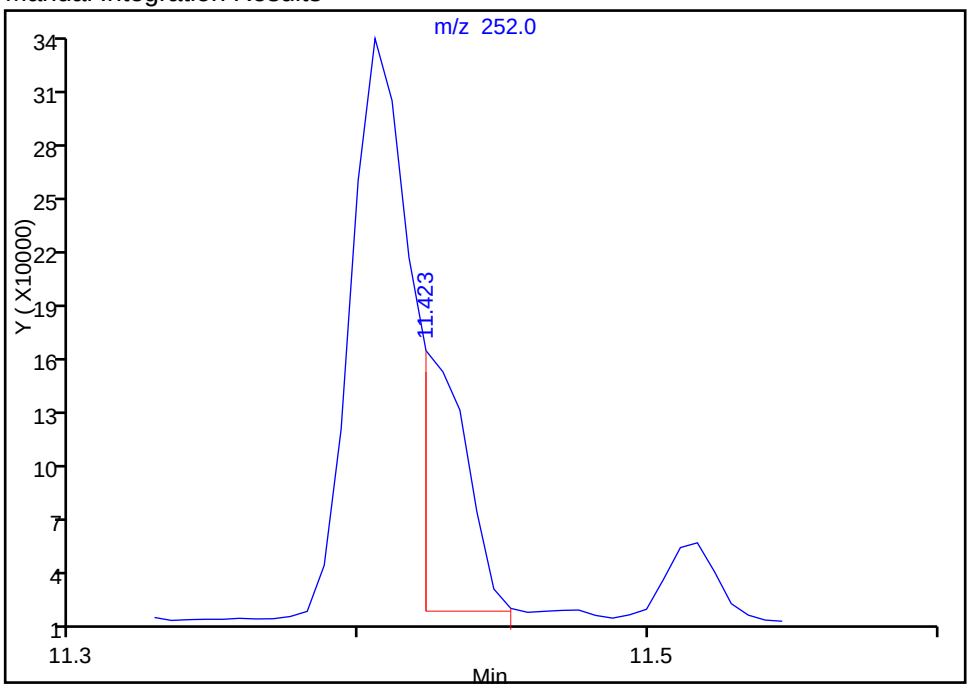
Processing Integration Results

RT: 11.52
Area: 56692
Amount: 0.285156
Amount Units: ug/ml



Manual Integration Results

RT: 11.42
Area: 158981
Amount: 0.799660
Amount Units: ug/ml



Reviewer: webbk, 09-Feb-2015 10:55:06
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320J-CS12" | Lab Sample ID: 680-109515-33

Matrix: Solid | Lab File ID: 2YB0621.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 14:15

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.15(g) | Date Analyzed: 02/06/2015 23:34

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

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

% Moisture: 23.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369958 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.8	U	8.8	4.3
208-96-8	Acenaphthylene	8.8	U	8.8	4.3
120-12-7	Anthracene	8.3	J	8.8	4.3
56-55-3	Benzo[a]anthracene	49		8.8	4.3
50-32-8	Benzo[a]pyrene	56		8.8	1.6
205-99-2	Benzo[b]fluoranthene	98		8.8	4.3
191-24-2	Benzo[g,h,i]perylene	40		8.8	4.3
207-08-9	Benzo[k]fluoranthene	29		8.8	2.6
218-01-9	Chrysene	77		8.8	4.3
53-70-3	Dibenz(a,h)anthracene	12		8.8	4.3
206-44-0	Fluoranthene	62		8.8	4.3
86-73-7	Fluorene	8.8	U	8.8	4.3
193-39-5	Indeno[1,2,3-cd]pyrene	29		8.8	4.3
90-12-0	1-Methylnaphthalene	8.4	J	8.8	4.1
91-57-6	2-Methylnaphthalene	10		8.8	4.3
91-20-3	Naphthalene	13		8.8	4.3
85-01-8	Phenanthrene	41		8.8	3.1
129-00-0	Pyrene	63		8.8	4.3

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D
Lims ID: 680-109515-A-33-A Lab Sample ID: 680-109515-33
Client ID: HP0320J-CS12"
Sample Type: Client
Inject. Date: 06-Feb-2015 23:34:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 109515-A-33-A
Misc. Info.: 680-0016908-021
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 08:52:58 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 07-Feb-2015 08:47:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.109	3.109	0.000	98	490187	2.00	
* 2 Acenaphthene-d10	164	4.847	4.842	0.005	91	295983	2.00	
* 3 Phenanthrene-d10	188	6.452	6.436	0.016	98	504109	2.00	
* 4 Chrysene-d12	240	9.351	9.324	0.027	99	389350	2.00	
* 5 Perylene-d12	264	10.709	10.677	0.032	98	290374	2.00	
$ 6 o-Terphenyl	230	6.928	6.912	0.016	88	211392	1.82	
7 Naphthalene	128	3.125	3.125	0.000	99	85482	0.3010	
9 2-Methylnaphthalene	142	3.788	3.783	0.005	68	45072	0.2311	
10 1-Methylnaphthalene	142	3.879	3.879	0.000	90	33390	0.1919	
12 Acenaphthylene	152	4.692	4.687	0.005	96	22788	0.0772	
14 Acenaphthene	153	4.879	4.874	0.005	53	11397	0.0595	
16 Fluorene	166	5.436	5.430	0.006	57	20112	0.0925	
17 Phenanthrene	178	6.479	6.462	0.017	96	291948	0.9384	
18 Anthracene	178	6.532	6.521	0.011	94	56225	0.1894	
19 Fluoranthene	202	7.794	7.773	0.021	98	458678	1.42	
20 Pyrene	202	8.035	8.014	0.021	97	378809	1.45	
21 Benzo[a]anthracene	228	9.340	9.319	0.021	98	271660	1.13	
22 Chrysene	228	9.372	9.356	0.016	91	354848	1.78	
23 Benzo[b]fluoranthene	252	10.383	10.356	0.027	97	429604	2.24	M
24 Benzo[k]fluoranthene	252	10.399	10.378	0.021	95	129676	0.6689	M
25 Benzo[a]pyrene	252	10.661	10.634	0.027	94	218286	1.29	
26 Indeno[1,2,3-cd]pyrene	276	11.656	11.613	0.043	99	157466	0.6672	
27 Dibenz(a,h)anthracene	278	11.678	11.640	0.038	42	42250	0.2844	
28 Benzo[g,h,i]perylene	276	11.924	11.875	0.049	89	148263	0.9217	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

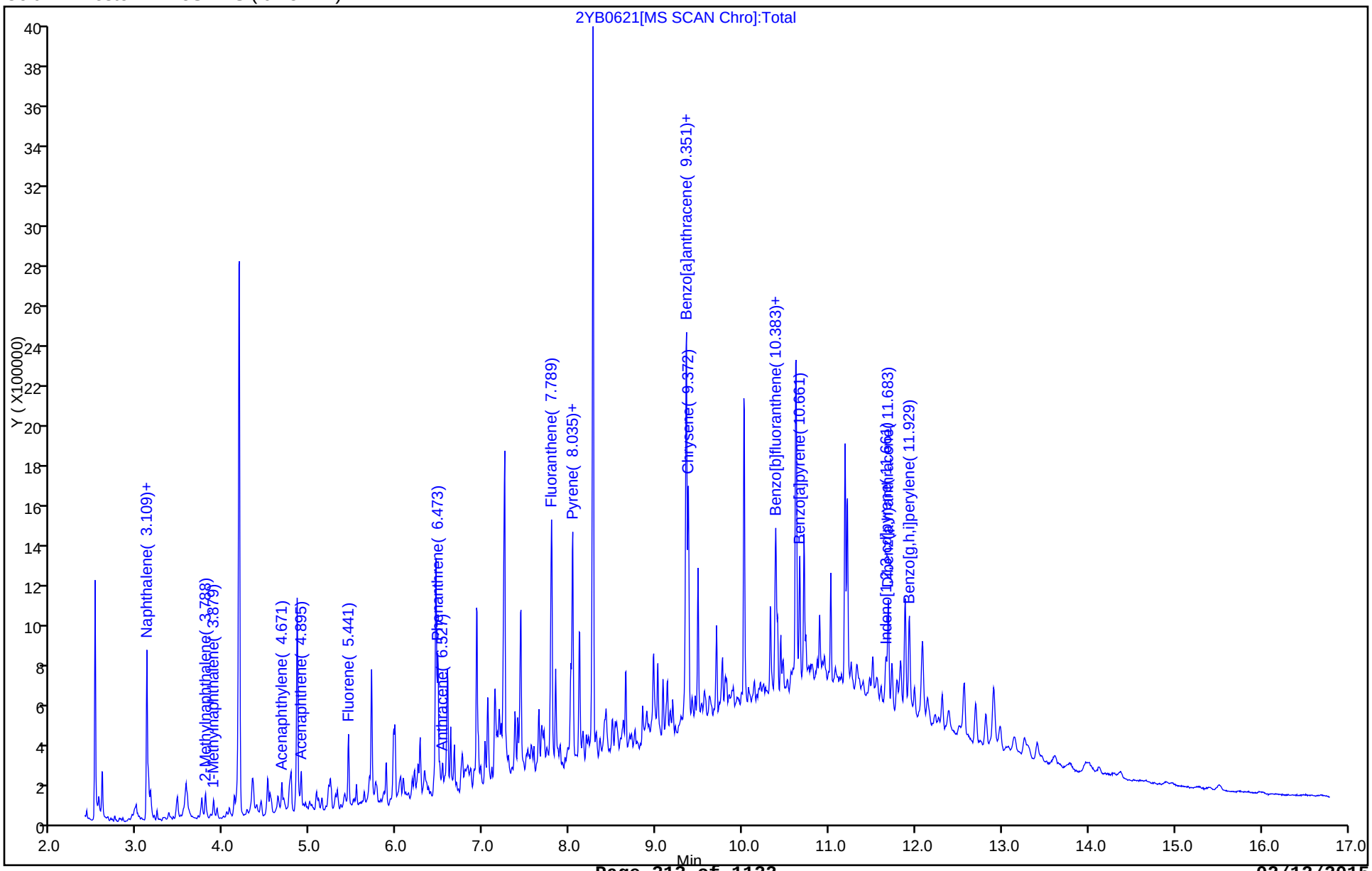
SM-LLISTD_00118	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33	Worklist Smp#:	21
Client ID:	HP0320J-CS12"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

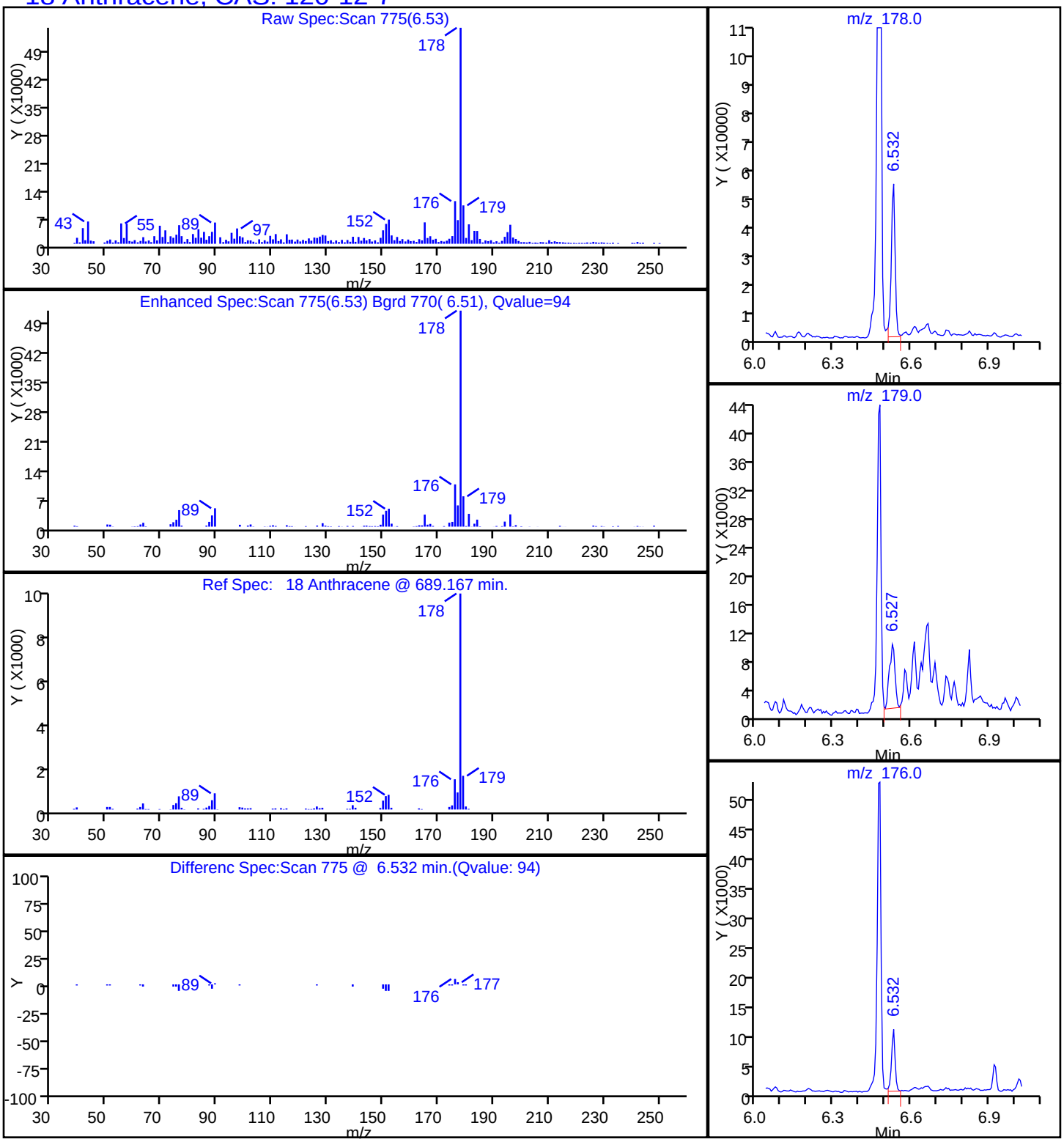


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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 Anthracene, CAS: 120-12-7

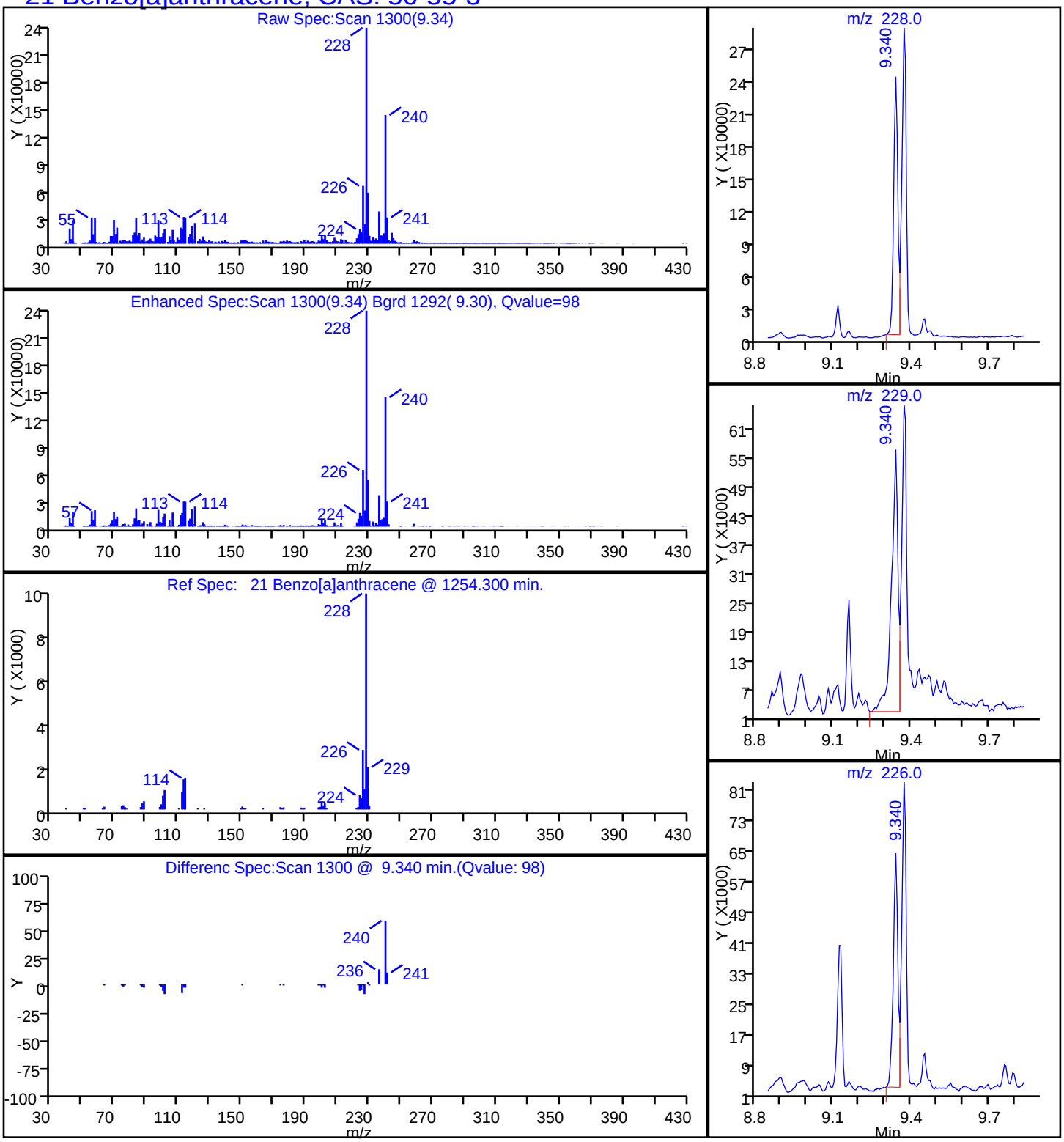


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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[a]anthracene, CAS: 56-55-3

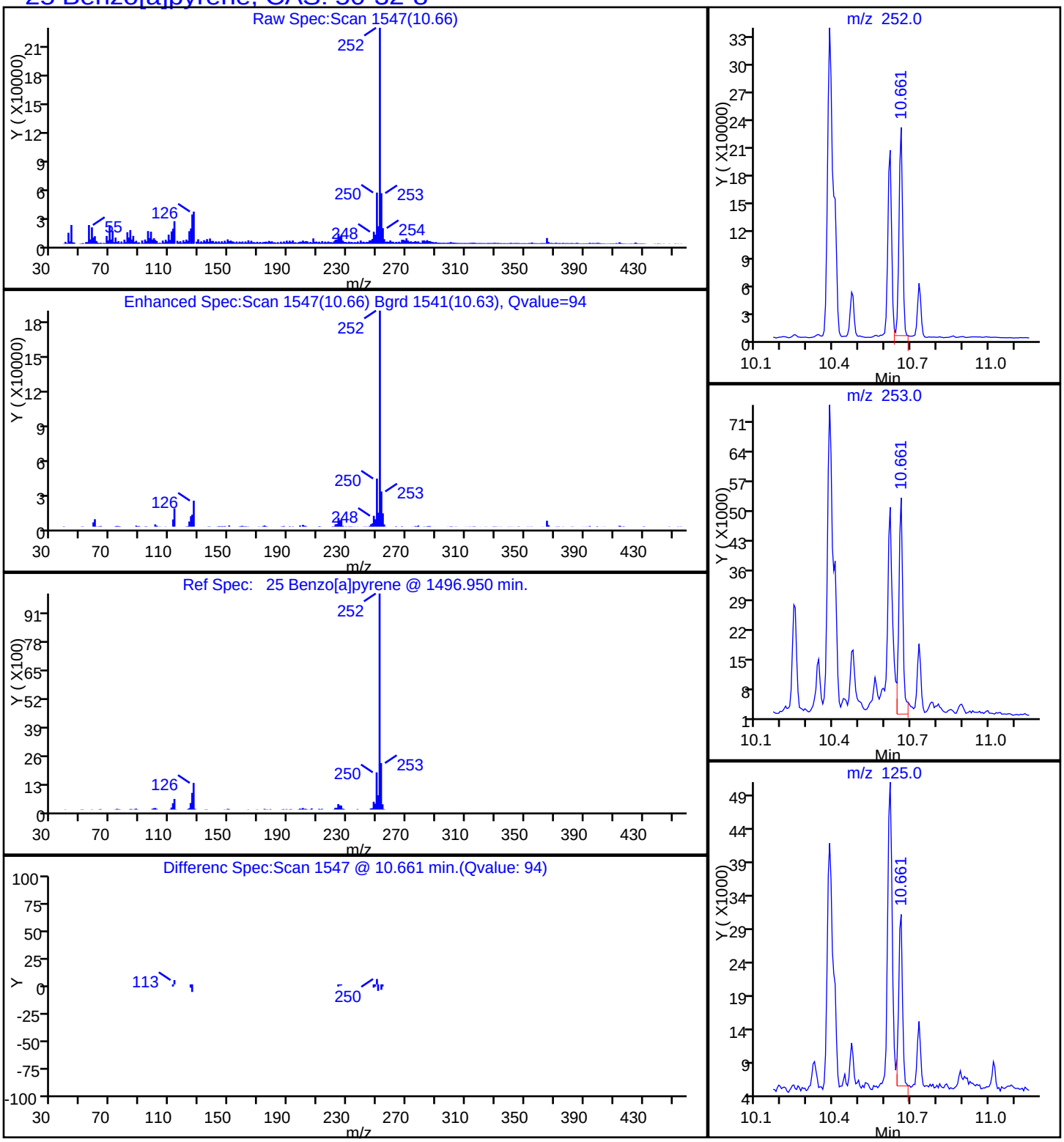


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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 Benzo[a]pyrene, CAS: 50-32-8



Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
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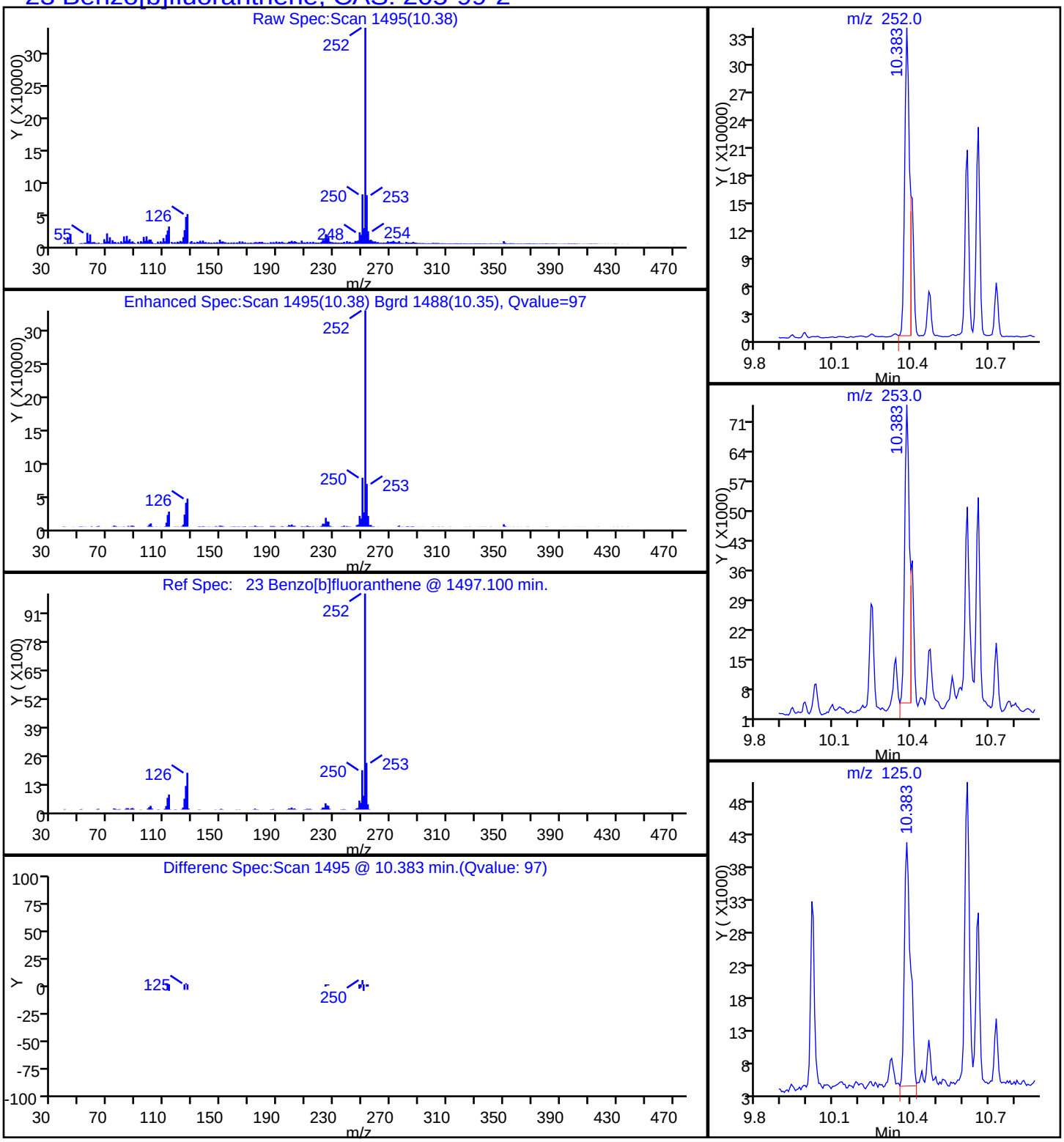
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		
Column:	Restek RXi-5Sil MS (0.25 mm)	Detector	MS SCAN		

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

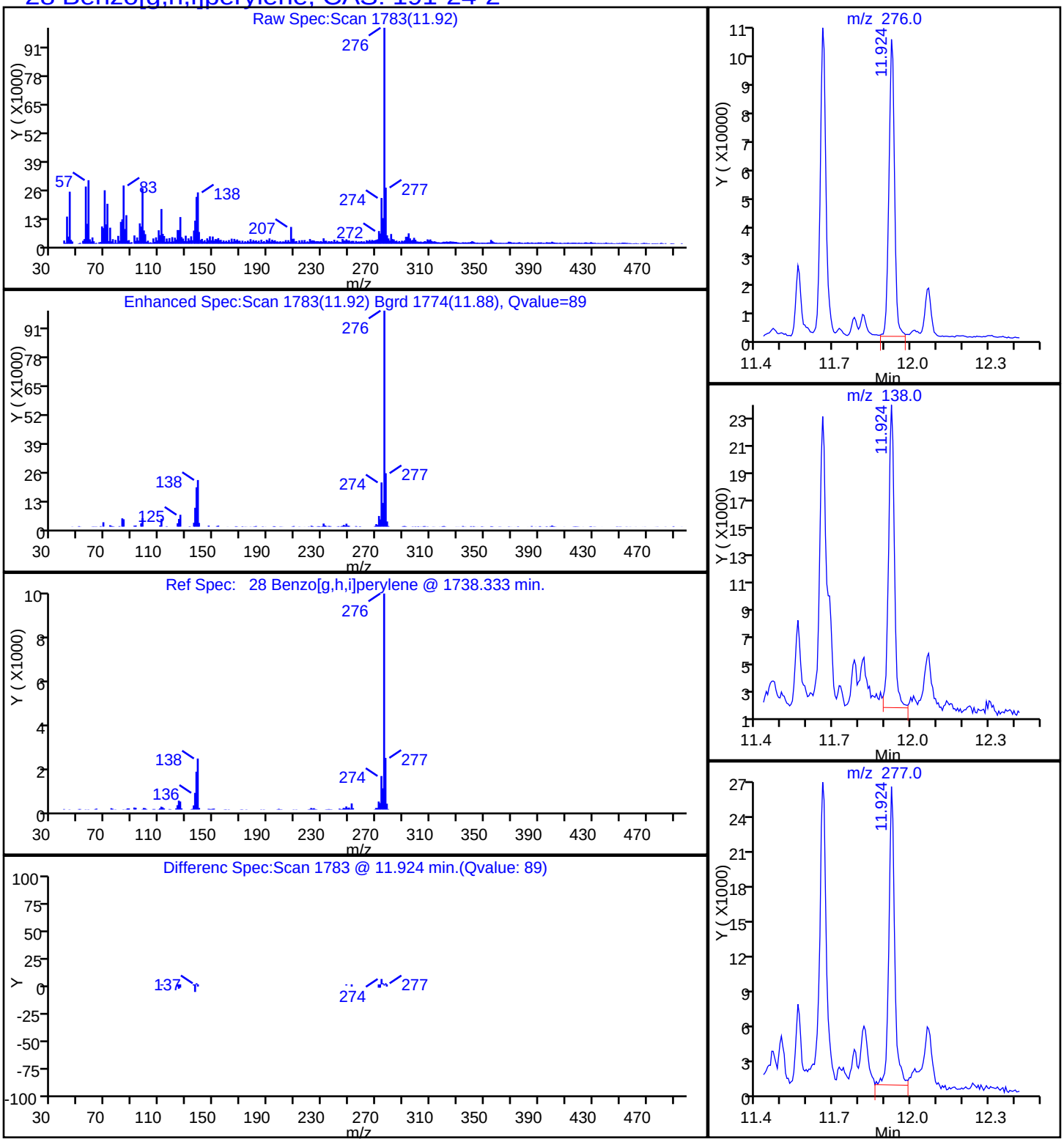


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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		

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

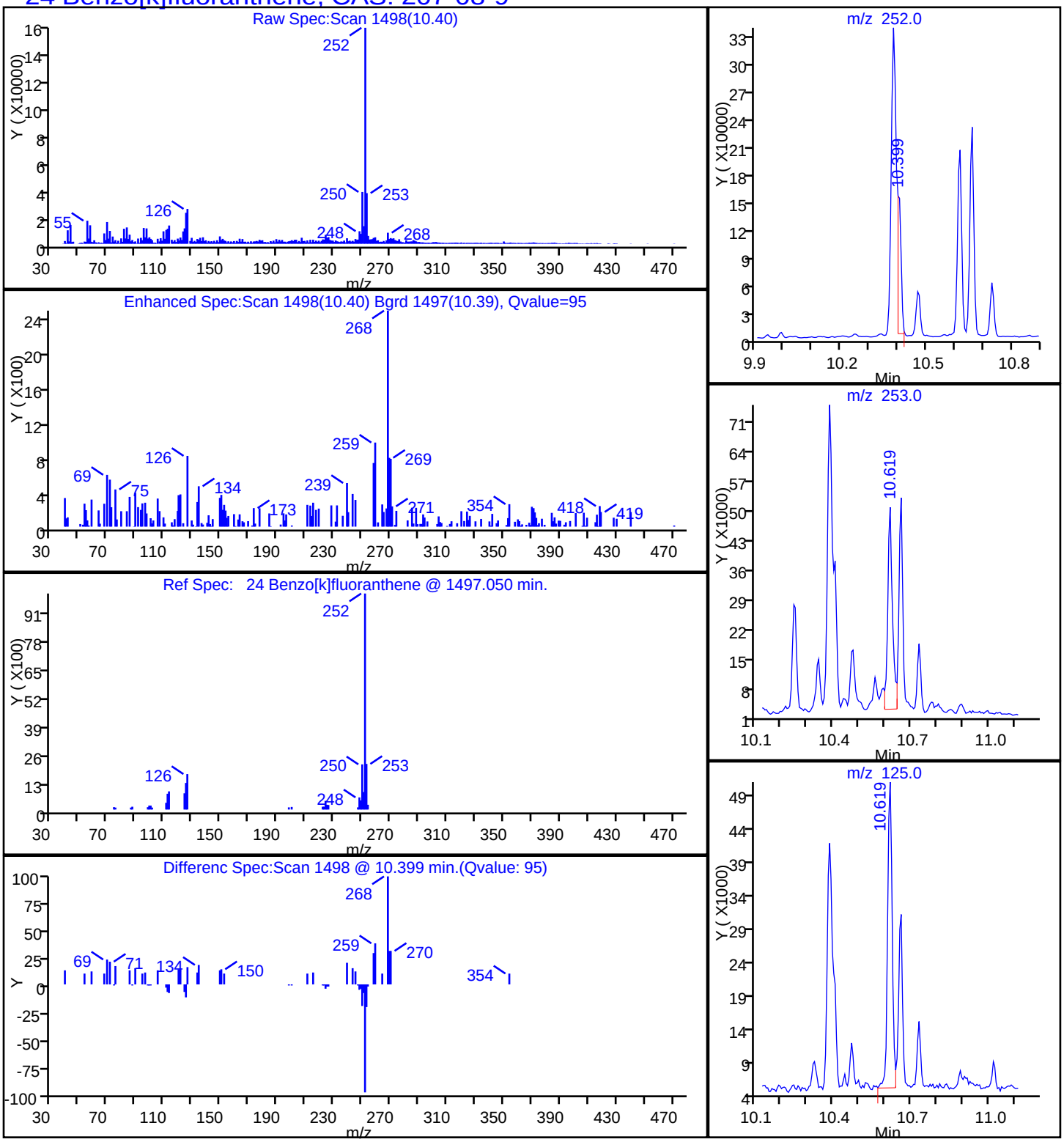


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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 Benzo[k]fluoranthene, CAS: 207-08-9

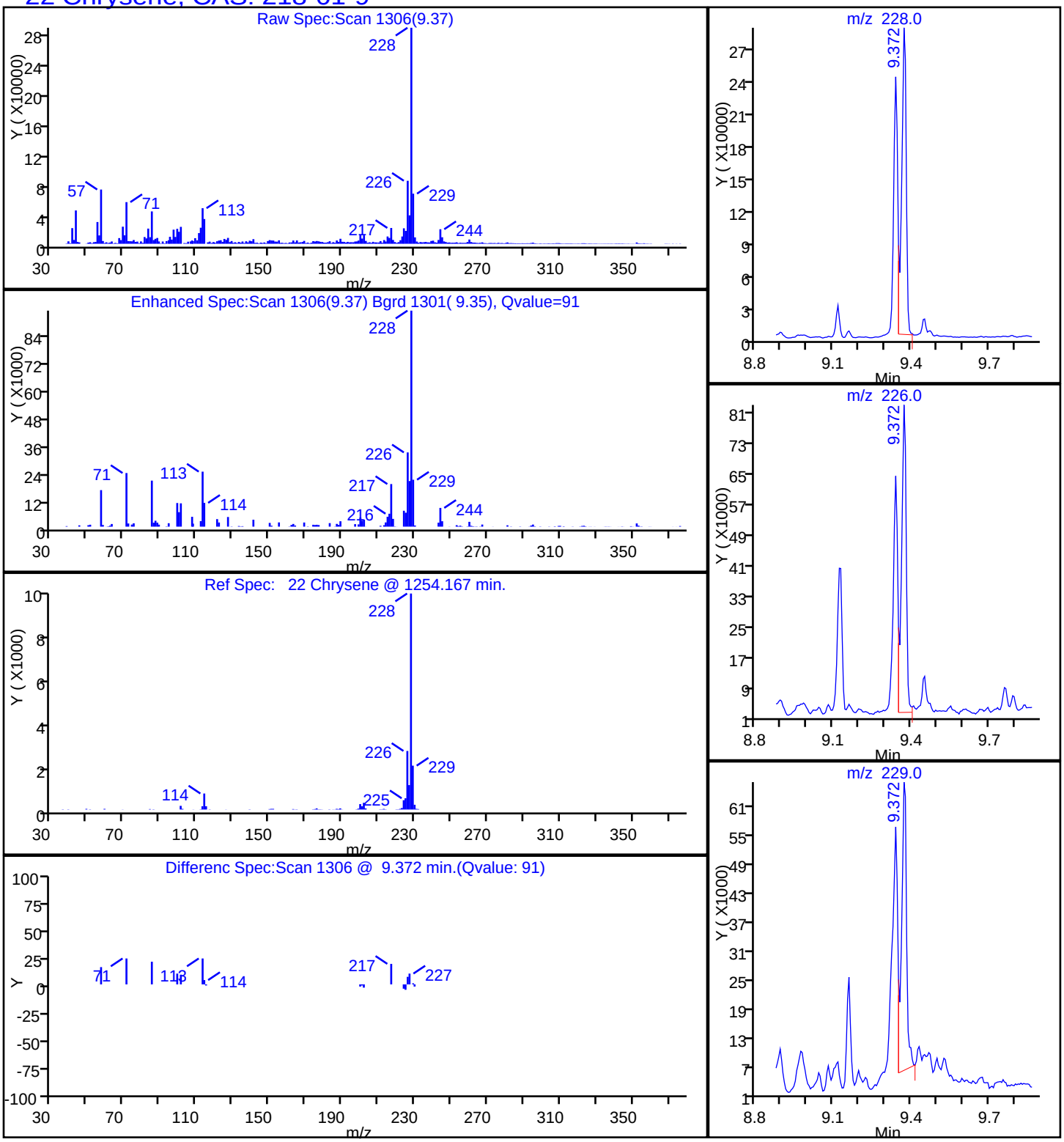


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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 Chrysene, CAS: 218-01-9

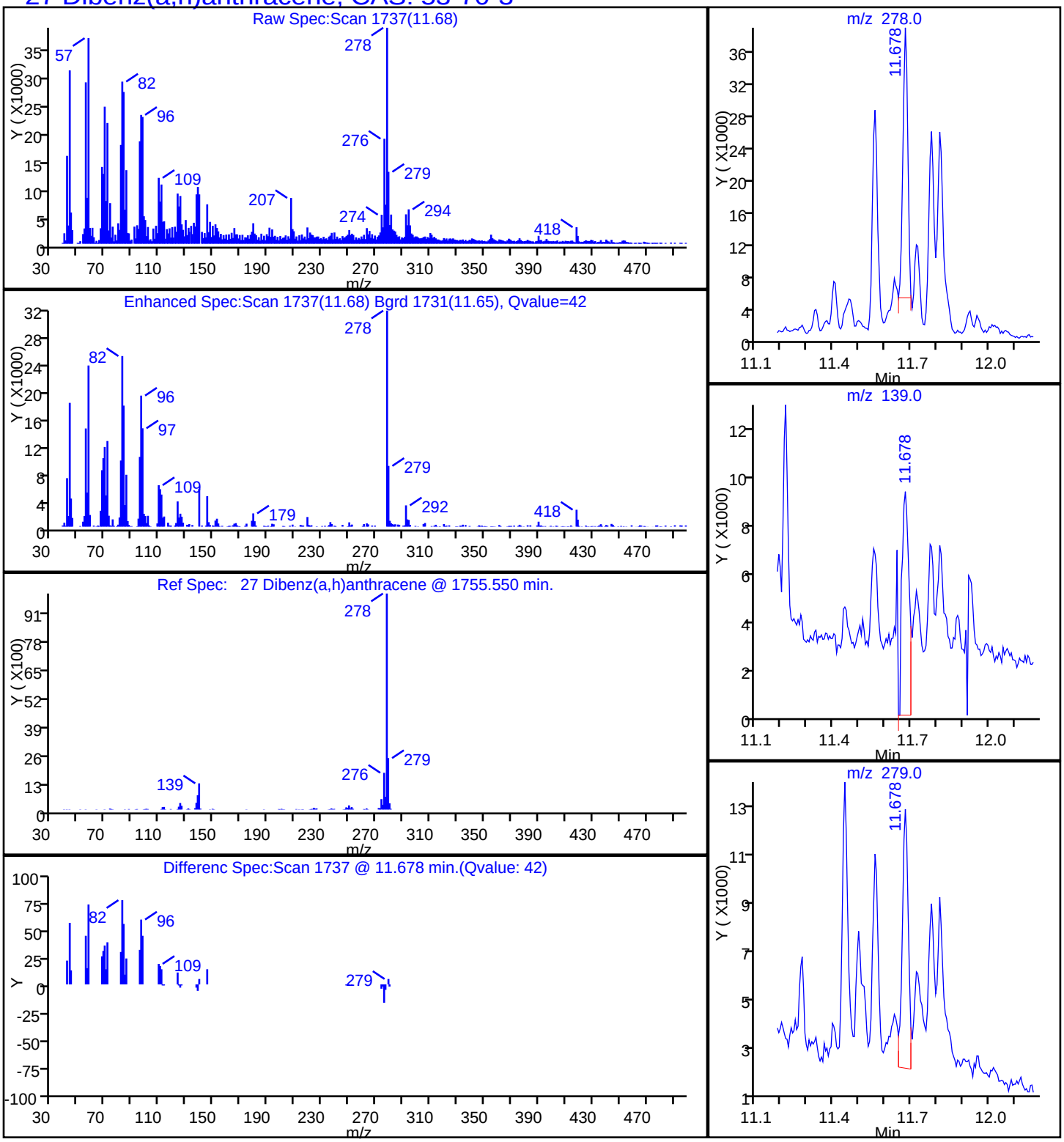


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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		

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

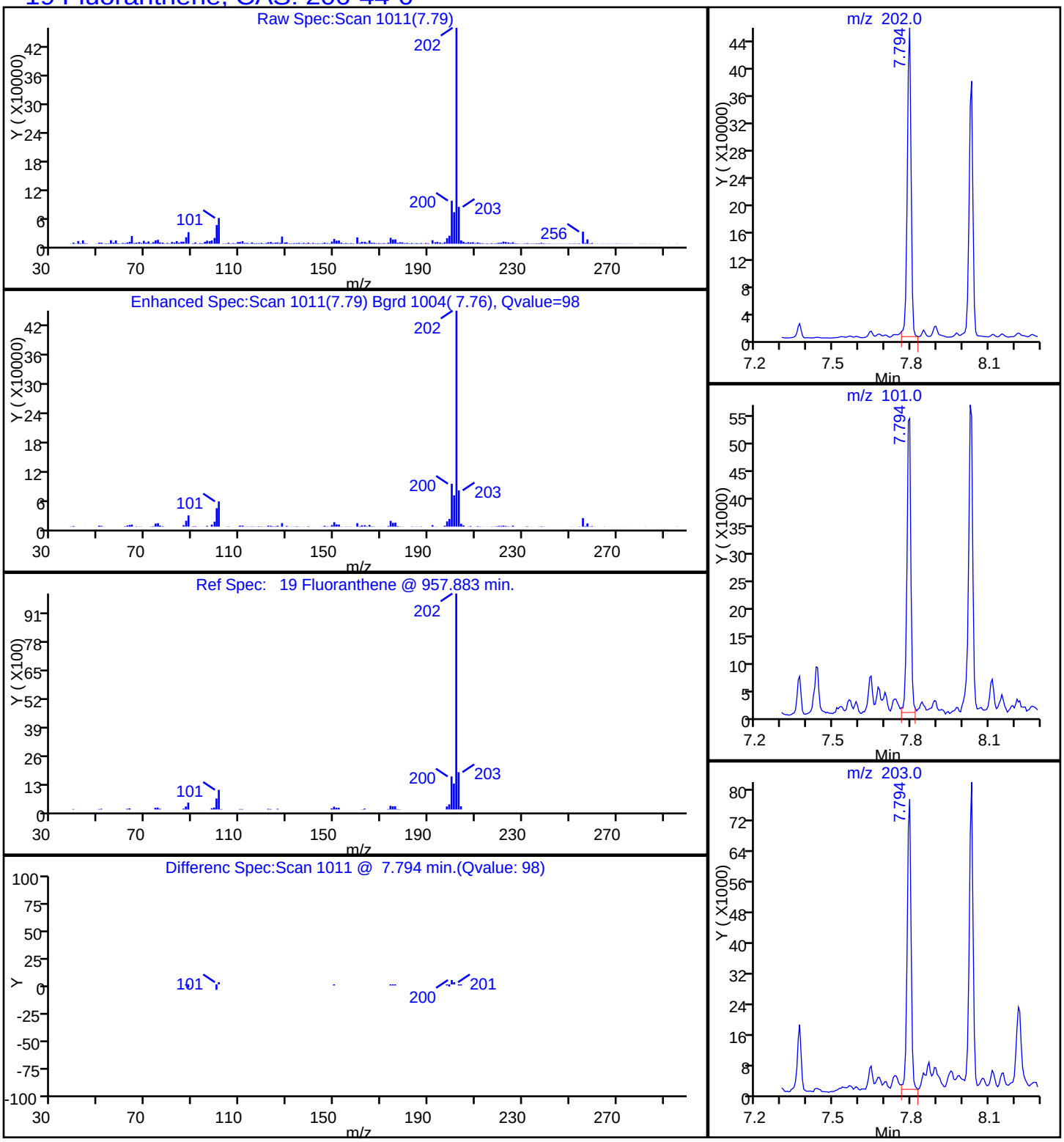


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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 Fluoranthene, CAS: 206-44-0

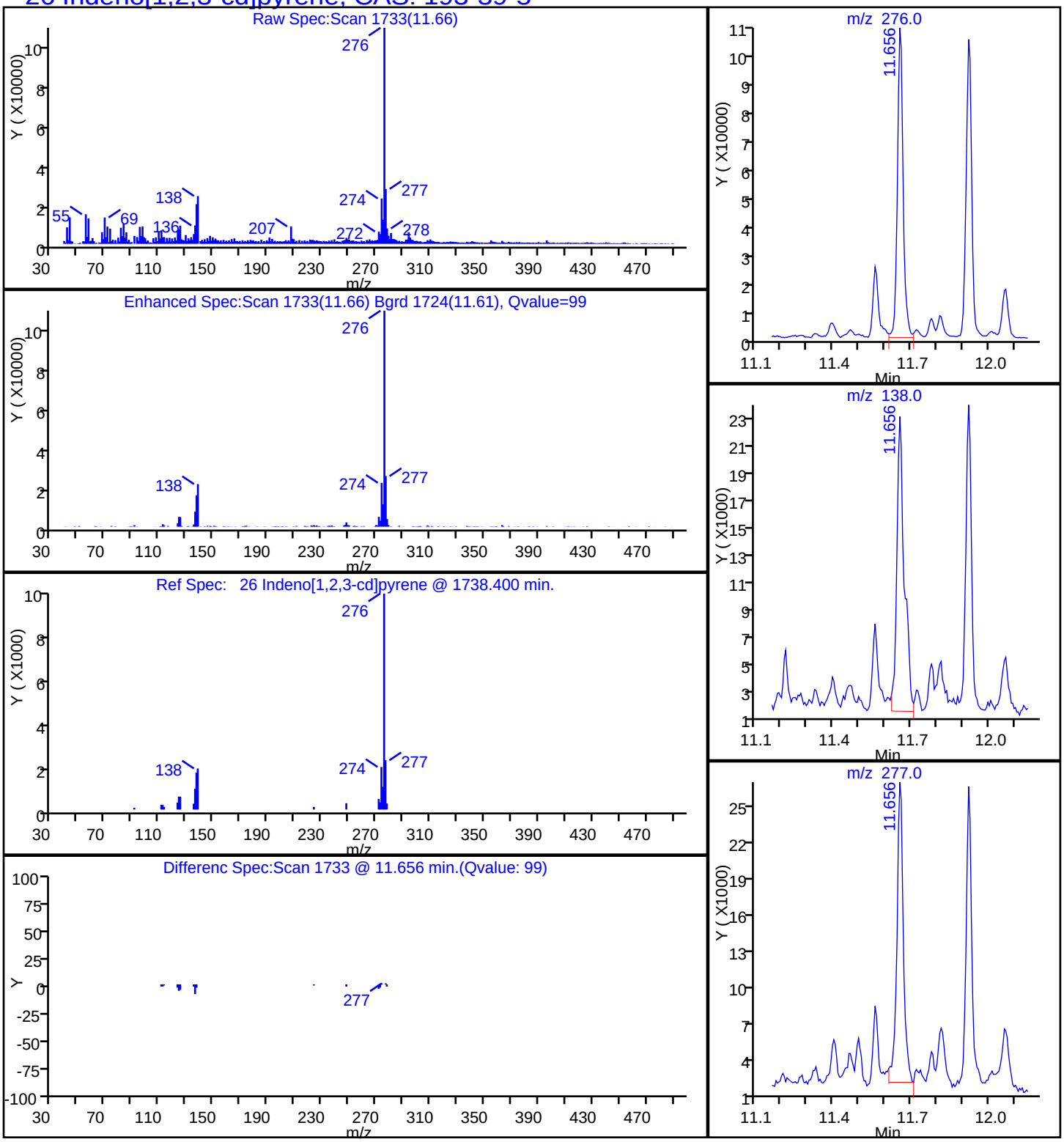


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

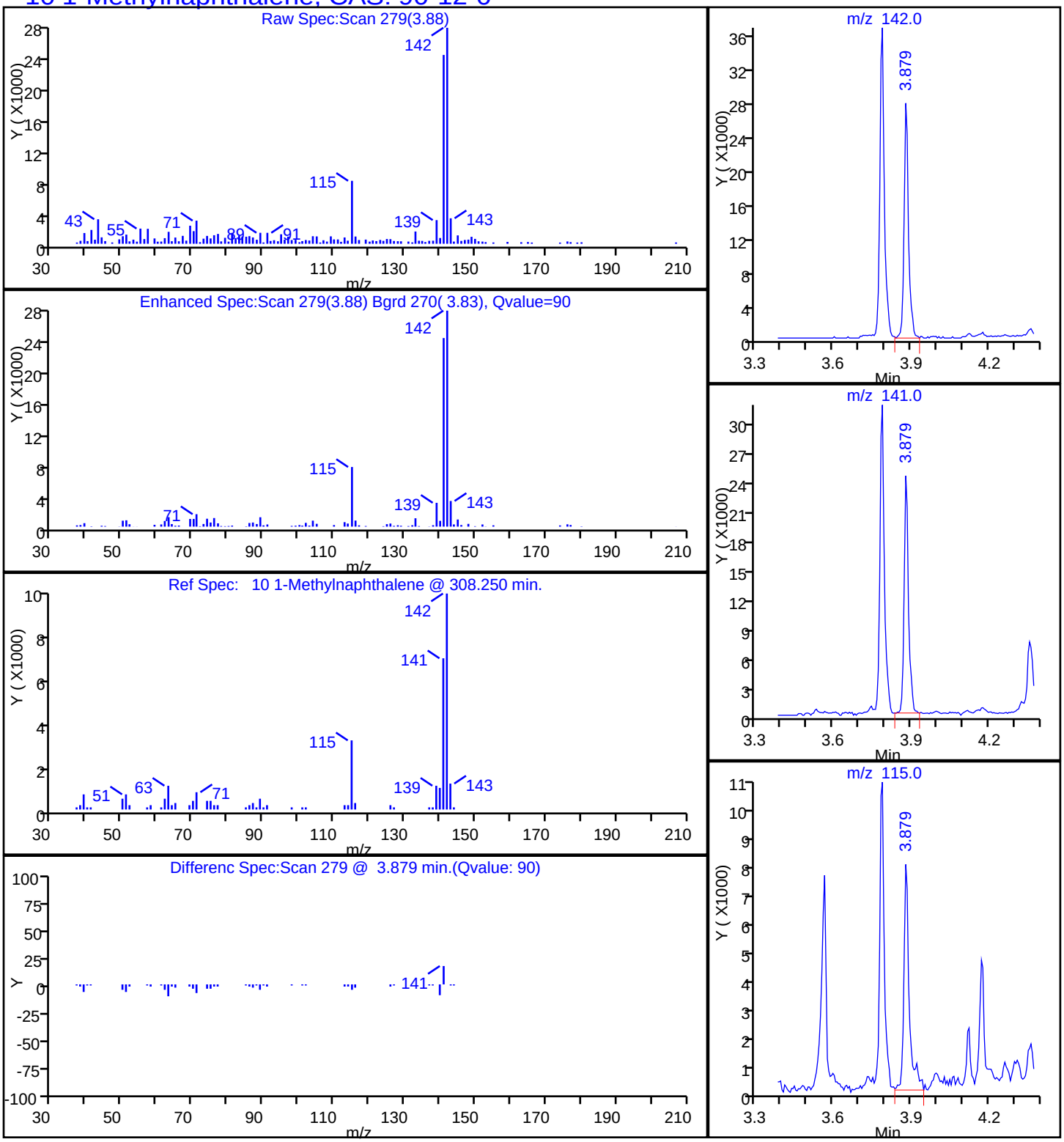


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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		

10 1-Methylnaphthalene, CAS: 90-12-0

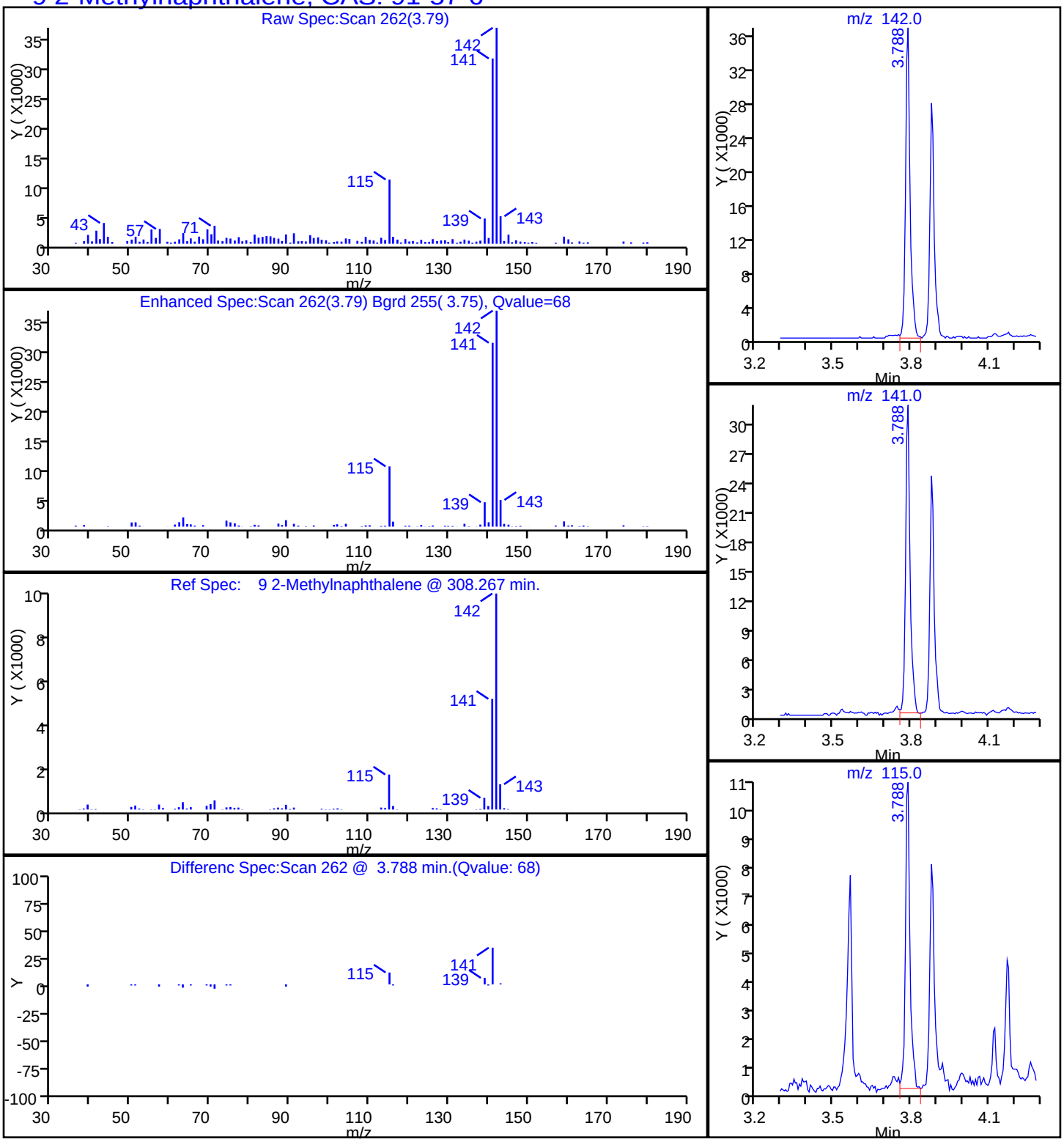


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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 2-Methylnaphthalene, CAS: 91-57-6

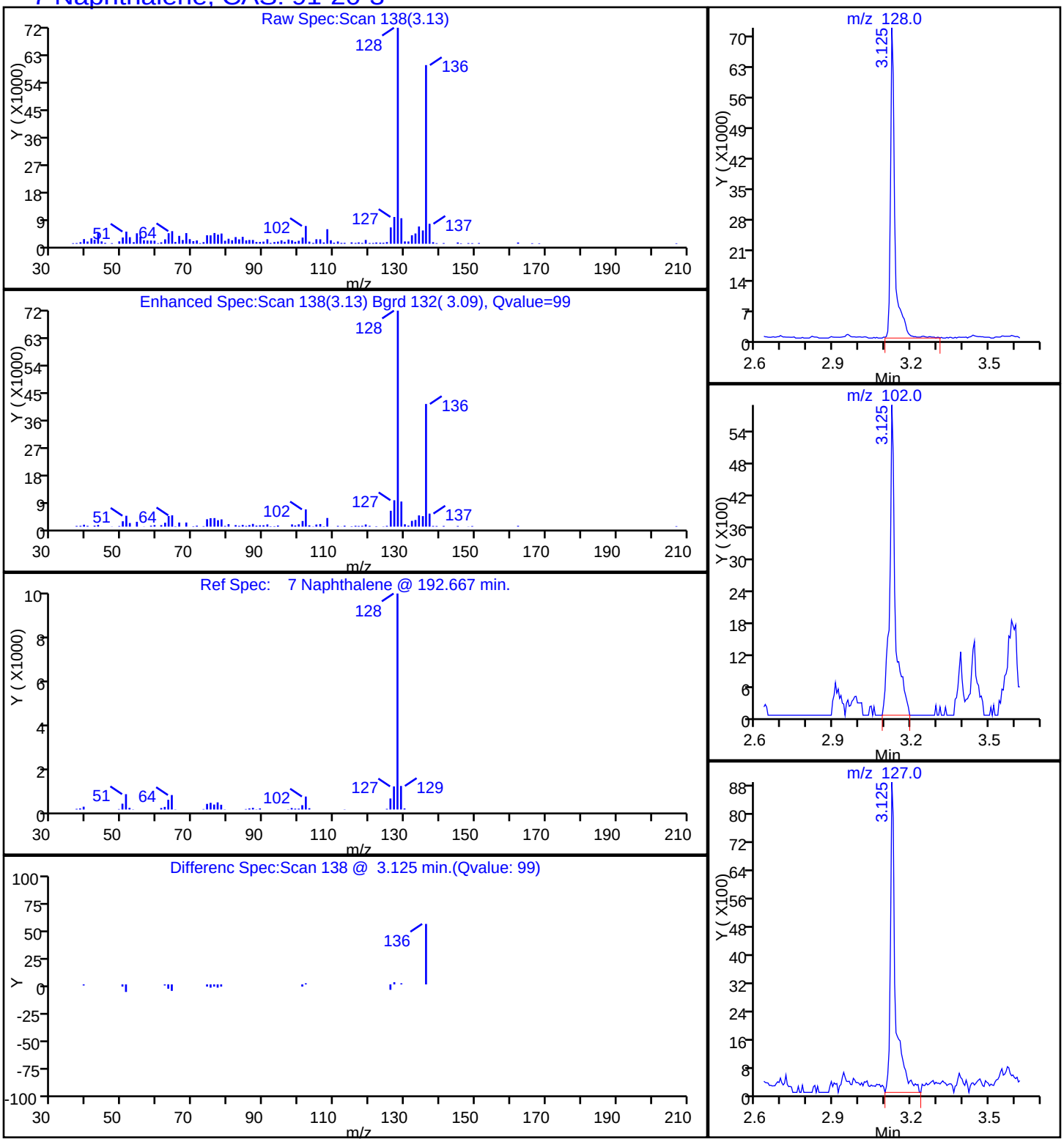


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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

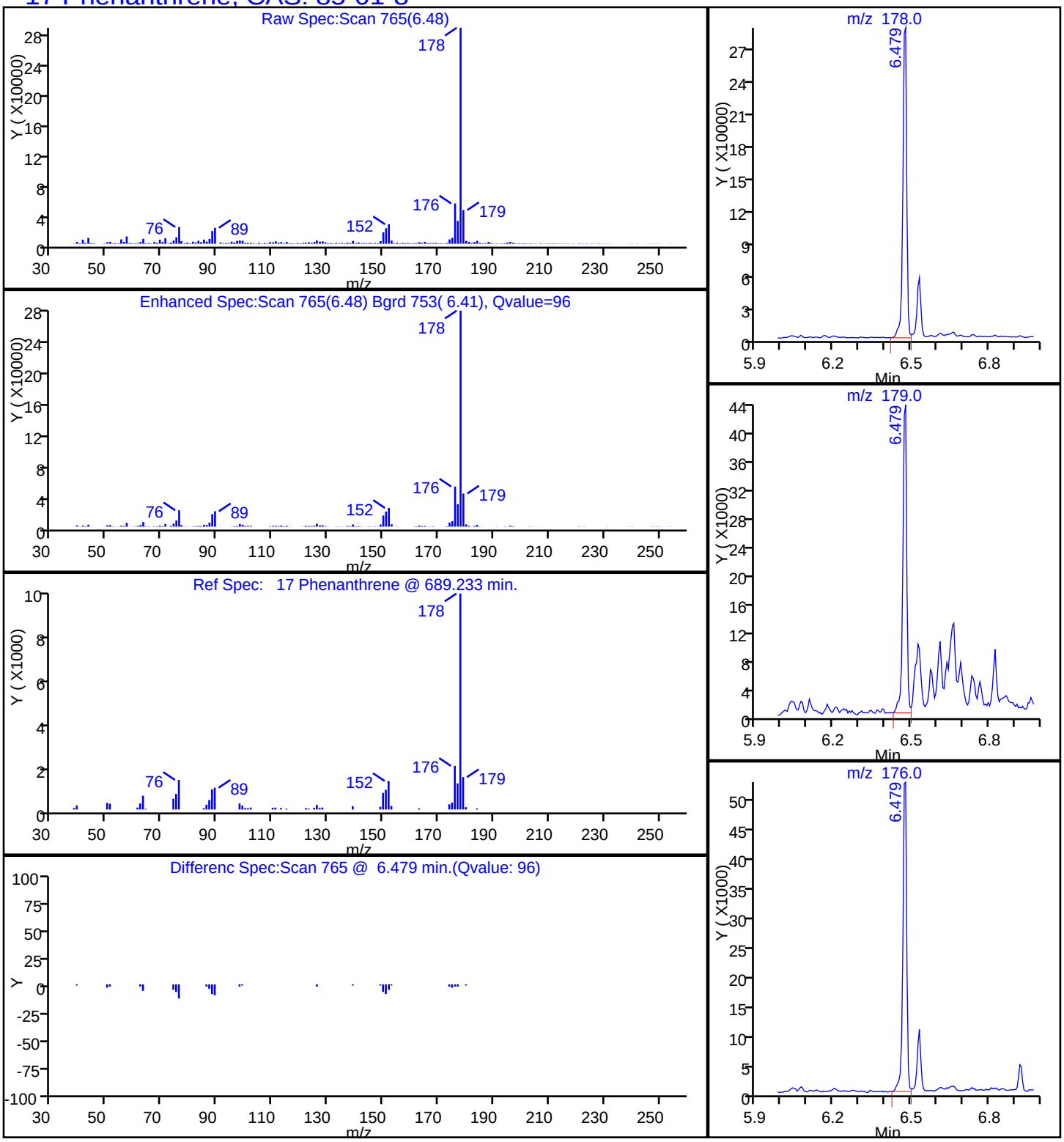


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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 Phenanthrene, CAS: 85-01-8

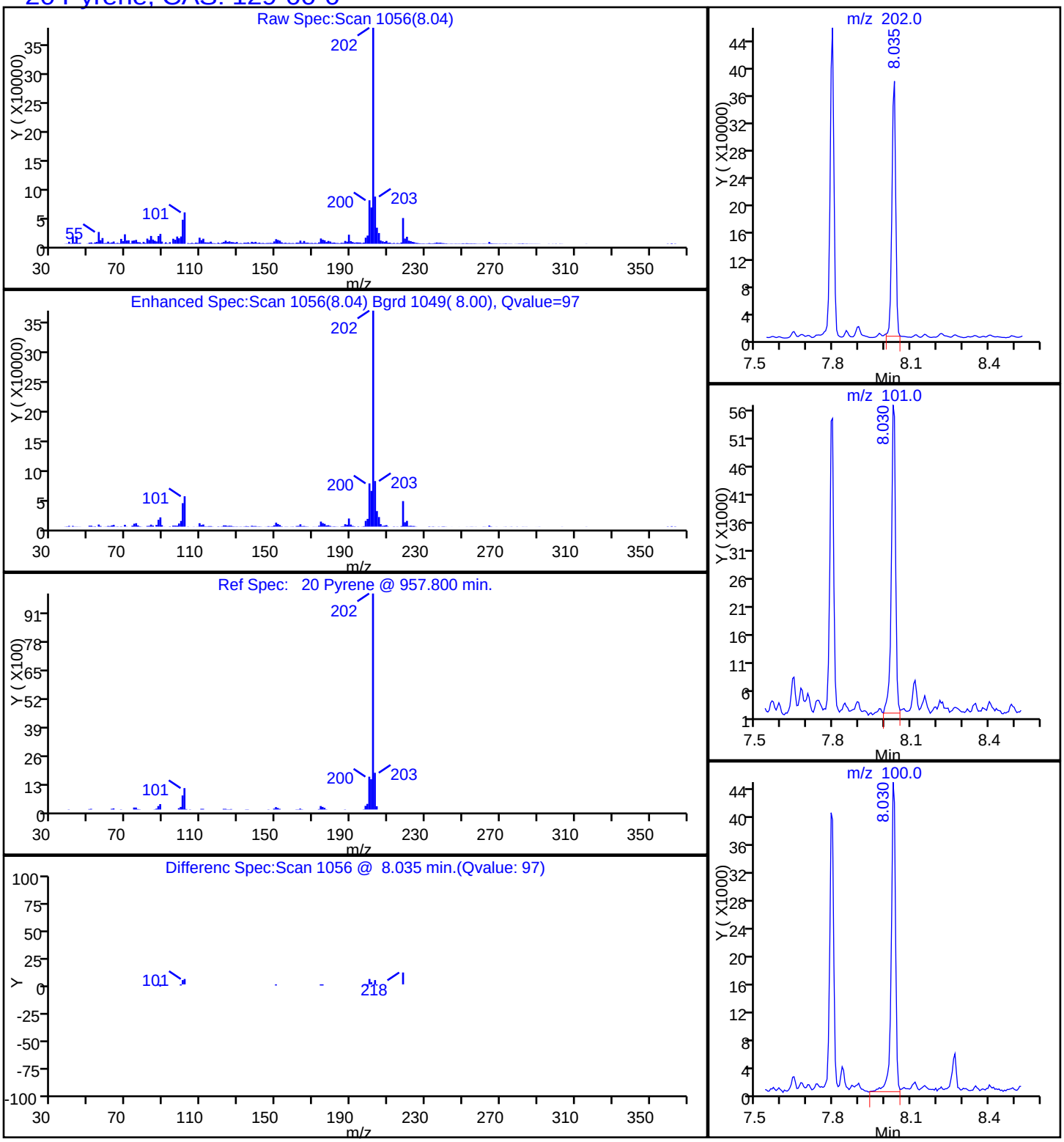


Report Date: 07-Feb-2015 08:53:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

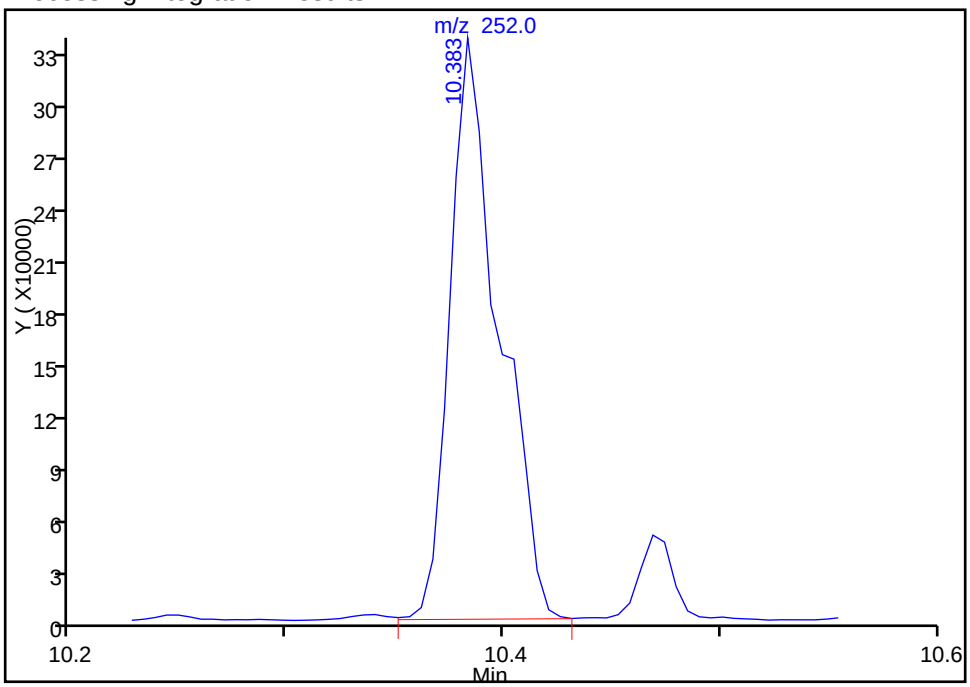
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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[b]fluoranthene, CAS: 205-99-2

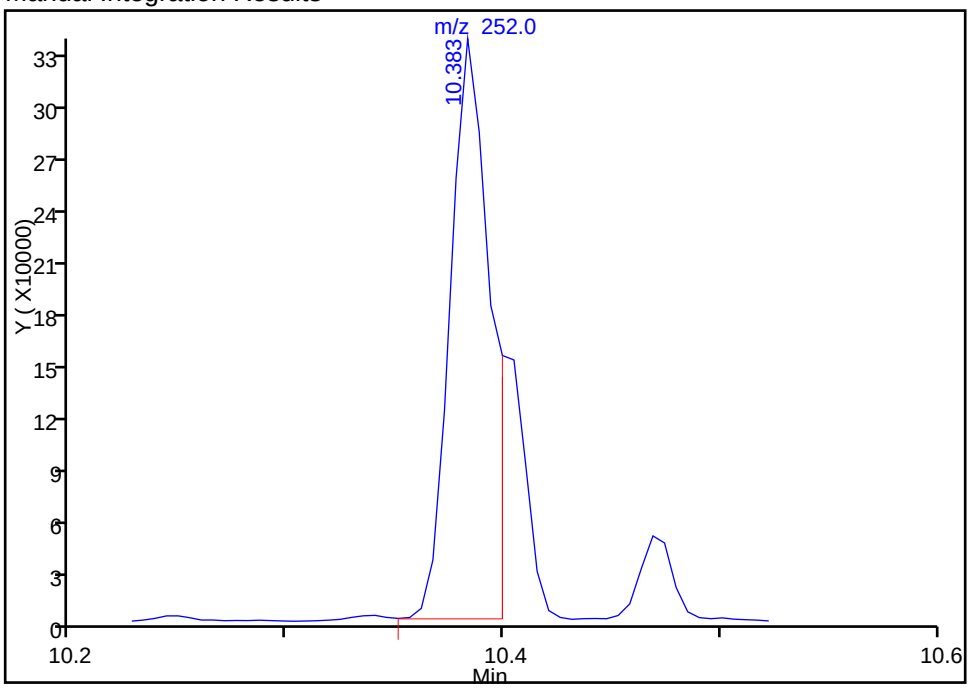
Processing Integration Results

RT: 10.38
Area: 518516
Amount: 2.708429
Amount Units: ug/ml



Manual Integration Results

RT: 10.38
Area: 429604
Amount: 2.244004
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:47:24
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

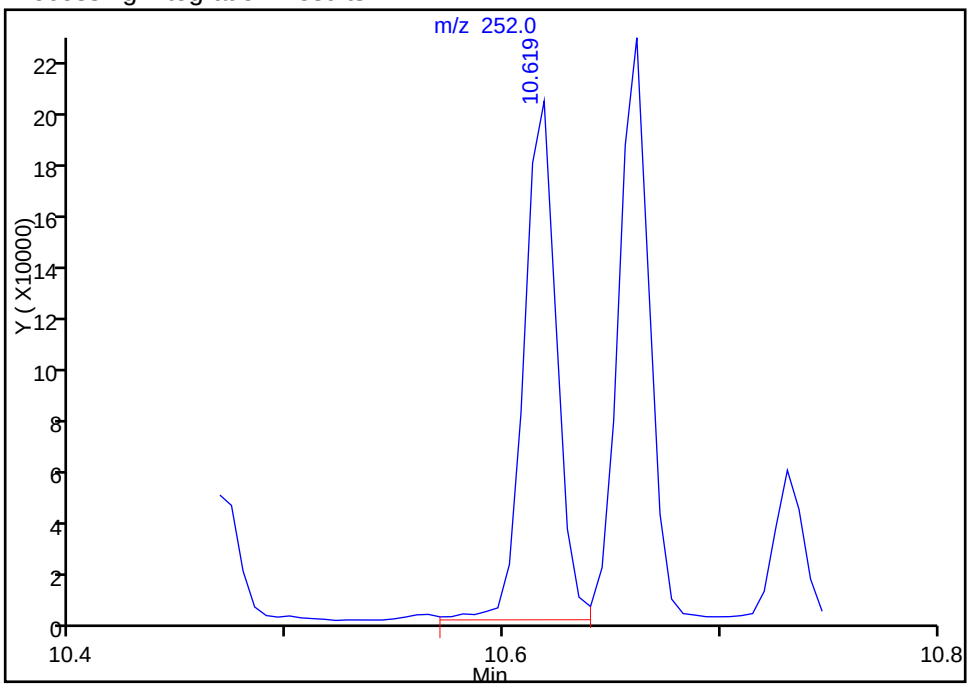
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0621.D				
Injection Date:	06-Feb-2015 23:34:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-33-A	Lab Sample ID:	680-109515-33		
Client ID:	HP0320J-CS12"				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
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 Benzo[k]fluoranthene, CAS: 207-08-9

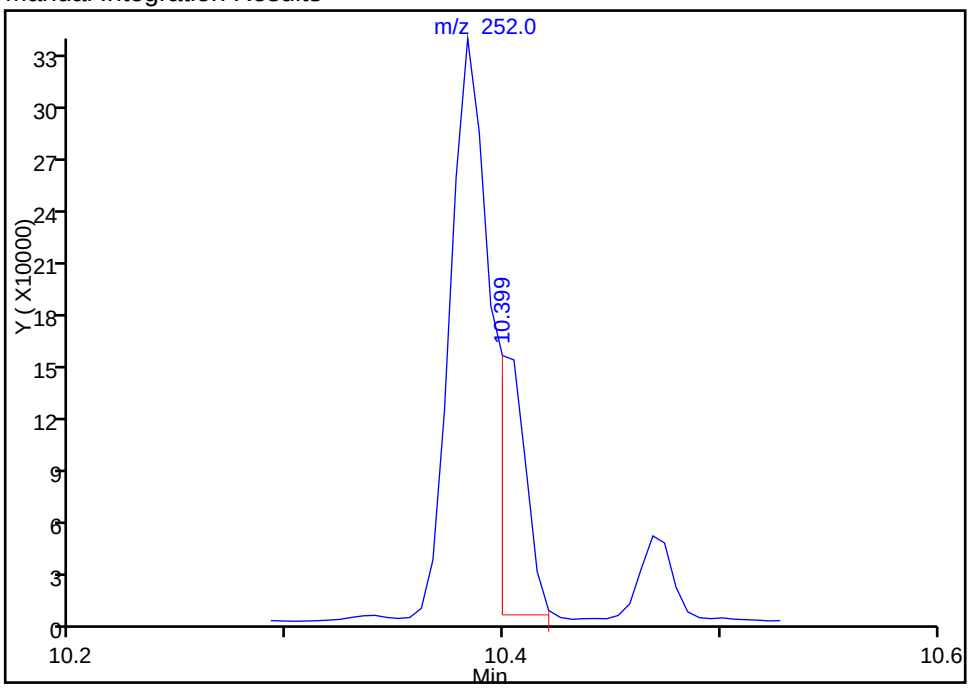
Processing Integration Results

RT: 10.62
Area: 209938
Amount: 1.082842
Amount Units: ug/ml



Manual Integration Results

RT: 10.40
Area: 129676
Amount: 0.668858
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:47:24
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: HP0320J-GS18" | Lab Sample ID: 680-109515-34

Matrix: Solid | Lab File ID: 2YB0622.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 14:20

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.07(g) | Date Analyzed: 02/06/2015 23:56

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

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

% Moisture: 23.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369958 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	8.8	U	8.8	4.3
208-96-8	Acenaphthylene	8.8	U	8.8	4.3
120-12-7	Anthracene	8.8	U	8.8	4.3
56-55-3	Benzo[a]anthracene	8.8	U	8.8	4.3
50-32-8	Benzo[a]pyrene	1.8	J	8.8	1.6
205-99-2	Benzo[b]fluoranthene	8.8	U	8.8	4.3
191-24-2	Benzo[g,h,i]perylene	8.8	U	8.8	4.3
207-08-9	Benzo[k]fluoranthene	8.8	U	8.8	2.6
218-01-9	Chrysene	4.3	J	8.8	4.3
53-70-3	Dibenz(a,h)anthracene	8.8	U	8.8	4.3
206-44-0	Fluoranthene	8.8	U	8.8	4.3
86-73-7	Fluorene	8.8	U	8.8	4.3
193-39-5	Indeno[1,2,3-cd]pyrene	8.8	U	8.8	4.3
90-12-0	1-Methylnaphthalene	8.8	U	8.8	4.1
91-57-6	2-Methylnaphthalene	8.8	U	8.8	4.3
91-20-3	Naphthalene	8.8	U	8.8	4.3
85-01-8	Phenanthrene	8.8	U	8.8	3.1
129-00-0	Pyrene	8.8	U	8.8	4.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	100		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0622.D
Lims ID: 680-109515-B-34-A Lab Sample ID: 680-109515-34
Client ID: HP0320J-GS18"
Sample Type: Client
Inject. Date: 06-Feb-2015 23:56:30 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 109515-B-34-A
Misc. Info.: 680-0016908-022
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 08:52:58 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 07-Feb-2015 08:48:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.109	3.109	0.000	98	419259	2.00	
* 2 Acenaphthene-d10	164	4.847	4.842	0.005	91	248653	2.00	
* 3 Phenanthrene-d10	188	6.452	6.436	0.016	98	435861	2.00	
* 4 Chrysene-d12	240	9.345	9.324	0.021	99	324742	2.00	
* 5 Perylene-d12	264	10.709	10.677	0.032	99	232000	2.00	
$ 6 o-Terphenyl	230	6.922	6.912	0.010	92	193834	2.00	
17 Phenanthrene	178	6.473	6.462	0.011	88	16639	0.0619	7
18 Anthracene	178	6.527	6.521	0.006	77	2936	0.0114	7
19 Fluoranthene	202	7.789	7.773	0.016	98	22838	0.0816	
20 Pyrene	202	8.030	8.014	0.016	97	17804	0.0817	
21 Benzo[a]anthracene	228	9.335	9.319	0.016	48	8171	0.0409	7
22 Chrysene	228	9.367	9.356	0.011	96	16171	0.0978	
23 Benzo[b]fluoranthene	252	10.378	10.356	0.022	98	13965	0.0913	
24 Benzo[k]fluoranthene	252	10.399	10.378	0.021	98	4138	0.0267	7M
25 Benzo[a]pyrene	252	10.656	10.634	0.022	67	5559	0.0412	

QC Flag Legend

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

Reagents:

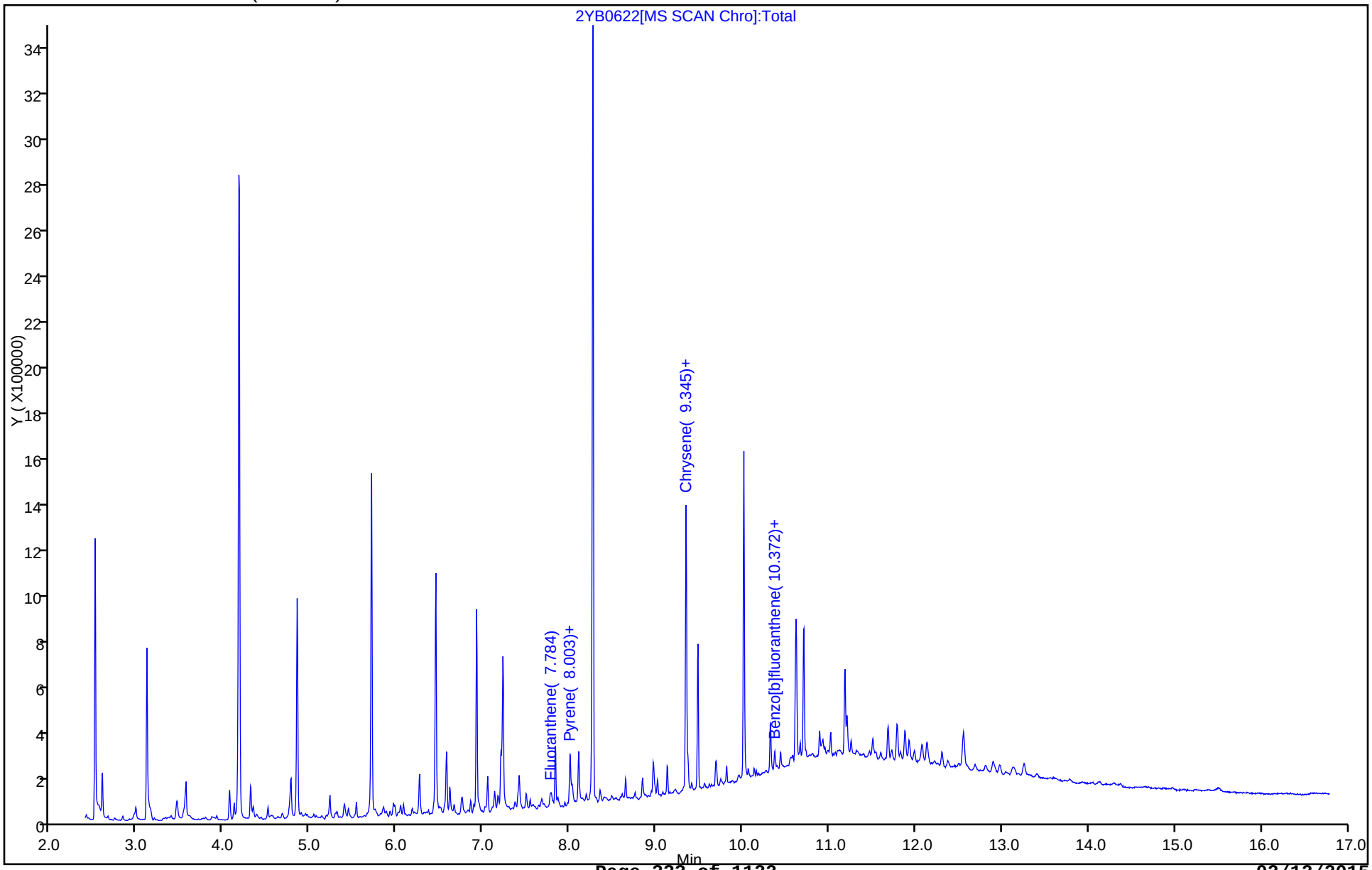
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 08:53:21 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0622.D				
Injection Date:	06-Feb-2015 23:56:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-B-34-A	Lab Sample ID:	680-109515-34	Worklist Smp#:	22
Client ID:	HP0320J-GS18"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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

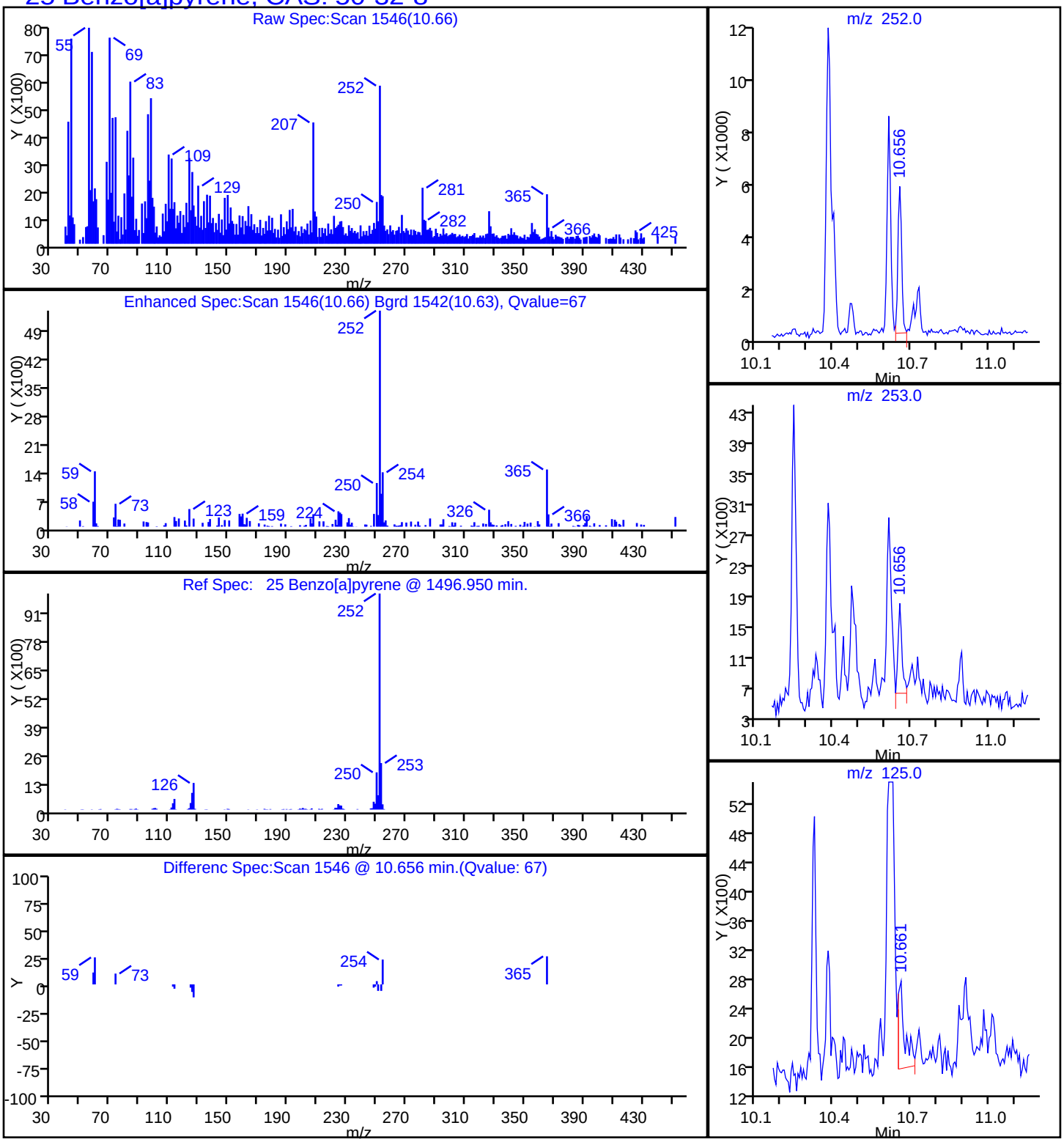


Report Date: 07-Feb-2015 08:53:21 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0622.D				
Injection Date:	06-Feb-2015 23:56:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-34-A	Lab Sample ID:	680-109515-34		
Client ID:	HP0320J-GS18"				
Operator ID:		ALS Bottle#:	22	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		

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

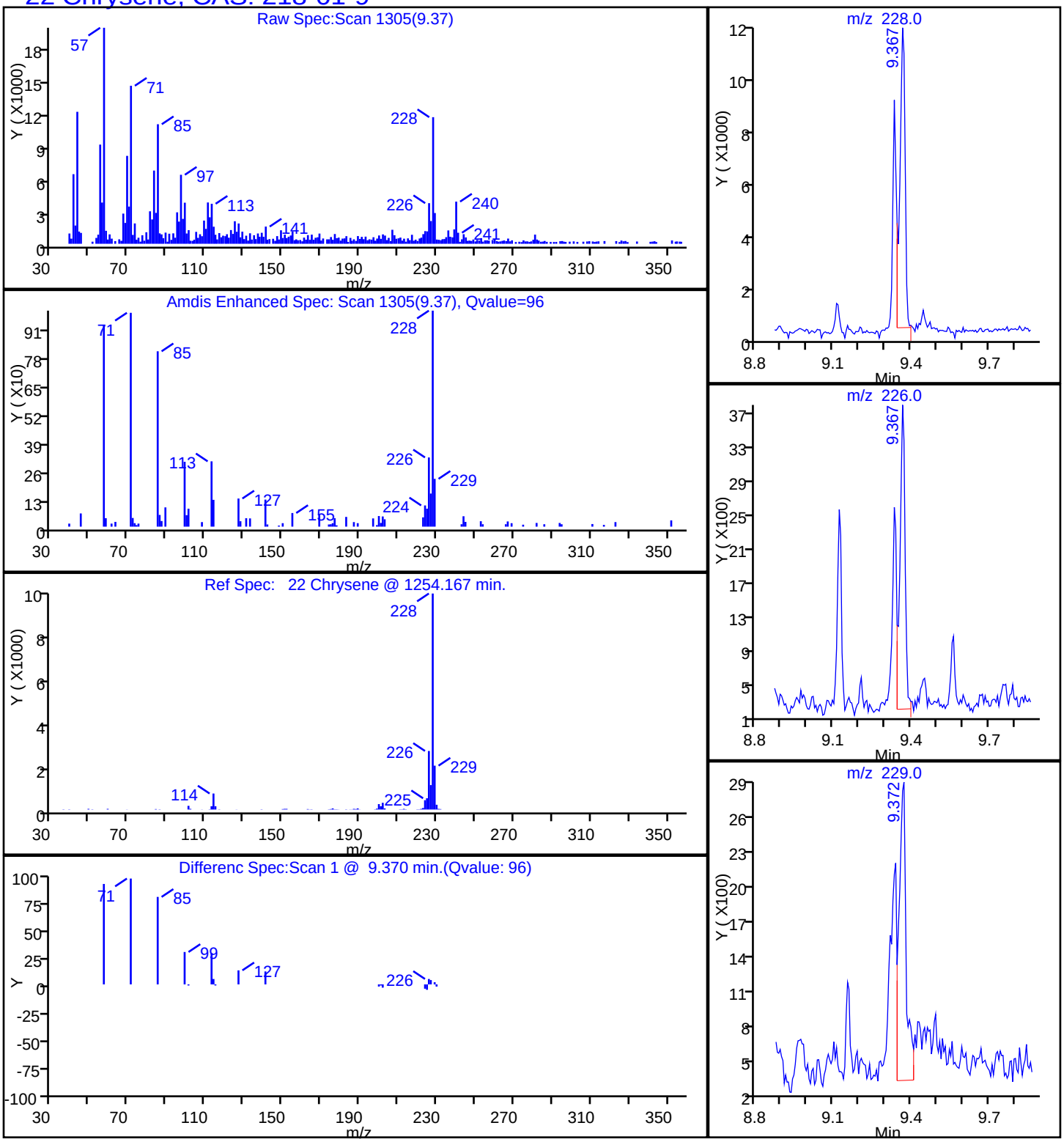


Report Date: 07-Feb-2015 08:53:21 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0622.D				
Injection Date:	06-Feb-2015 23:56:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-34-A	Lab Sample ID:	680-109515-34		
Client ID:	HP0320J-GS18"				
Operator ID:		ALS Bottle#:	22	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 Chrysene, CAS: 218-01-9



Manual Integration/User Assign Peak Report

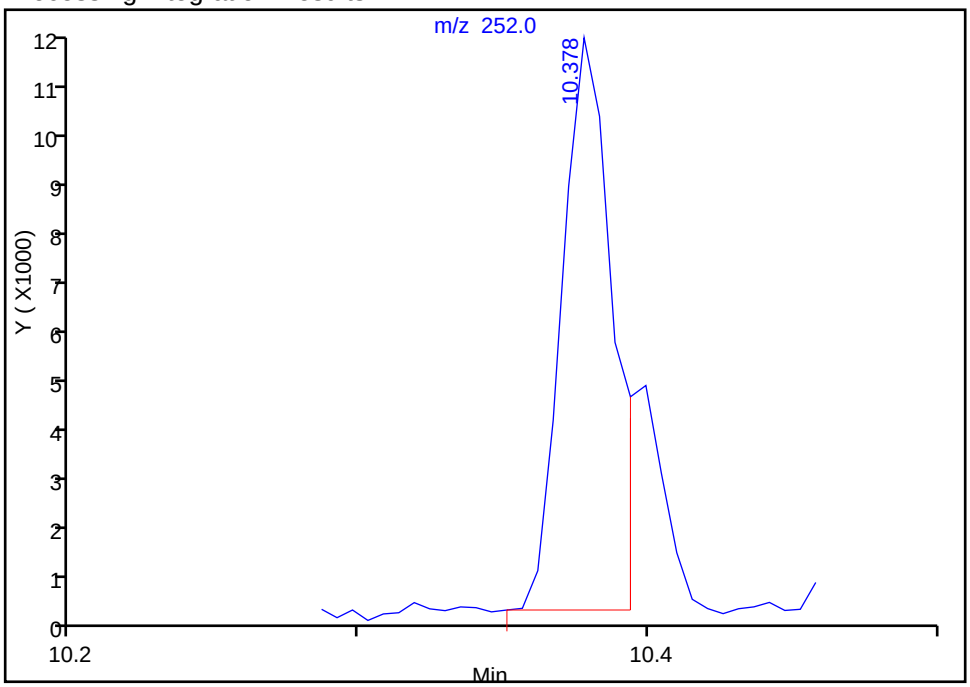
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0622.D				
Injection Date:	06-Feb-2015 23:56:30	Instrument ID:	CMSY		
Lims ID:	680-109515-B-34-A	Lab Sample ID:	680-109515-34		
Client ID:	HP0320J-GS18"				
Operator ID:		ALS Bottle#:	22	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		

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

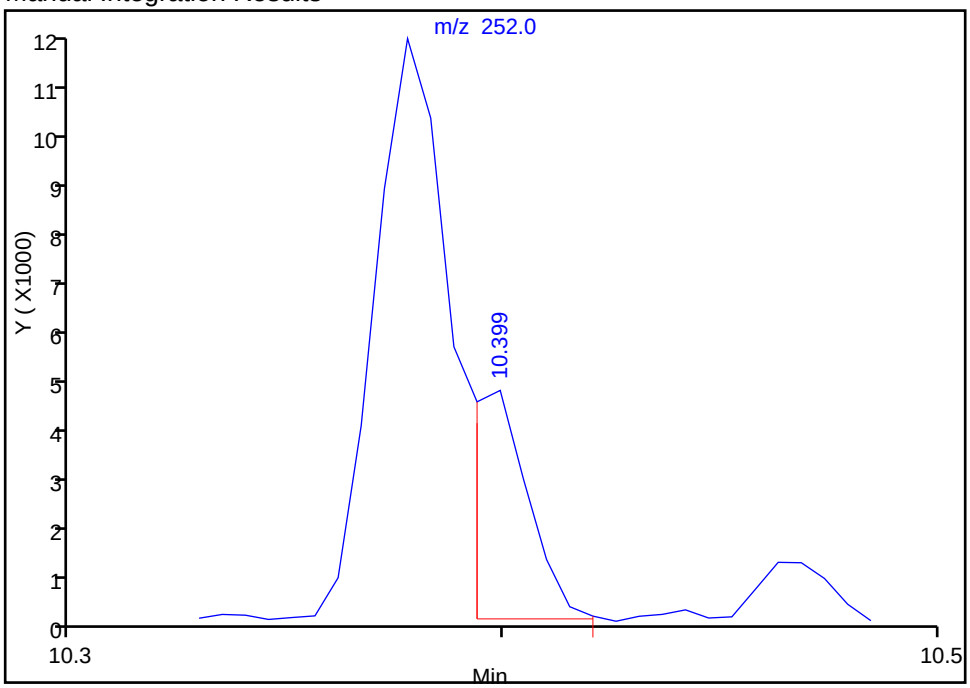
Processing Integration Results

RT: 10.38
Area: 13965
Amount: 0.090154
Amount Units: ug/ml



Manual Integration Results

RT: 10.40
Area: 4138
Amount: 0.026714
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:48:11
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.: 680-109515-2 Analy Batch No.: 369458

SDG No.: 680-109515-02

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

Calibration Start Date: 02/04/2015 09:19 Calibration End Date: 02/04/2015 11:35 Calibration ID: 37411

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-369458/4	1KB0404.D
Level 2	IC 680-369458/9	1KB0409.D
Level 3	IC 680-369458/8	1KB0408.D
Level 4	IC 680-369458/7	1KB0407.D
Level 5	ICIS 680-369458/3	1KB0403.D
Level 6	IC 680-369458/6	1KB0406.D
Level 7	IC 680-369458/5	1KB0405.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	1.2372 0.9786	1.1323 1.1518	1.1315	1.2779	1.1085	Ave		1.1454			0.7000	8.4		20.0			
2-Methylnaphthalene	0.7569 0.6272	0.6948 0.7279	0.7198	0.8004	0.7015	Ave		0.7183			0.4000	7.5		20.0			
1-Methylnaphthalene	0.7304 0.5514	0.6331 0.6428	0.6365	0.7261	0.6309	Ave		0.6502				9.5		20.0			
Acenaphthylene	2.0132 1.6810	1.8408 1.9853	1.8808	2.1701	1.9272	Ave		1.9283			0.9000	7.9		20.0			
Acenaphthene	1.2911 1.0718	1.2461 1.2687	1.2370	1.4156	1.2333	Ave		1.2519			0.9000	8.1		20.0			
Fluorene	1.2657 1.1676	1.3266 1.3579	1.3232	1.4999	1.3156	Ave		1.3223			0.9000	7.6		20.0			
Phenanthrene	1.3498 1.0709	1.2317 1.2586	1.2339	1.3711	1.2074	Ave		1.2462			0.7000	8.0		20.0			
Anthracene	1.2164 1.0080	1.0965 1.1915	1.1270	1.2831	1.1351	Ave		1.1511			0.7000	7.7		20.0			
Fluoranthene	1.2781 1.1654	1.2486 1.3747	1.2530	1.4457	1.2972	Ave		1.2947			0.6000	7.1		20.0			
Pyrene	1.7926 1.2845	1.6094 1.5099	1.6818	1.7769	1.6284	Ave		1.6119			0.6000	11.0		20.0			
Benzo[a]anthracene	1.4199 1.0980	1.2613 1.2787	1.2629	1.4534	1.2552	Ave		1.2899			0.7000	9.1		20.0			
Chrysene	1.2937 1.0495	1.2552 1.2020	1.2573	1.3923	1.2070	Ave		1.2367			0.7000	8.4		20.0			
Benzo[b]fluoranthene	1.4619 1.1723	1.3767 1.4580	1.4180	1.5125	1.3494	Ave		1.3927			0.4000	8.0		20.0			
Benzo[k]fluoranthene	1.4252 1.2258	1.3009 1.3731	1.3059	1.4649	1.3688	Ave		1.3521			0.4000	6.0		20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2 Analy Batch No.: 369458

SDG No.: 680-109515-02

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

Calibration Start Date: 02/04/2015 09:19 Calibration End Date: 02/04/2015 11:35 Calibration ID: 37411

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[a]pyrene	1.3051 1.0518	1.1597 1.2566	1.1469	1.3043	1.1858	Ave		1.2015			0.4000	7.7		20.0			
Indeno[1,2,3-cd]pyrene	1.8414 1.0726	1.1398 1.2374	1.1484	1.5375	1.2013	QuaF		1.0262	0.0103078						0.9980		0.9900
Dibenz(a,h)anthracene	1.5947 0.9550	0.9450 1.1085	1.0027	1.2756	1.0560	QuaF		0.8997	0.0102299						0.9980		0.9900
Benzo[g,h,i]perylene	1.9180 0.9988	1.1528 1.1587	1.1205	1.4691	1.1373	QuaF		0.9613	0.0096074						0.9980		0.9900
o-Terphenyl	1.1591 0.7601	1.0268 0.9015	1.1573	1.1425	0.9911	QuaF		0.7801	0.0057312						0.9940		0.9900

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

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2 Analy Batch No.: 369458

SDG No.: 680-109515-02

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

Calibration Start Date: 02/04/2015 09:19 Calibration End Date: 02/04/2015 11:35 Calibration ID: 37411

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-369458/4	1KB0404.D
Level 2	IC 680-369458/9	1KB0409.D
Level 3	IC 680-369458/8	1KB0408.D
Level 4	IC 680-369458/7	1KB0407.D
Level 5	ICIS 680-369458/3	1KB0403.D
Level 6	IC 680-369458/6	1KB0406.D
Level 7	IC 680-369458/5	1KB0405.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	19731 1972679	44317 3314832	94950	225966	839974	0.100 10.0	0.200 20.0	0.500	1.00	5.00
2-Methylnaphthalene	NPT	Ave	12071 1264281	27193 2094723	60403	141540	531537	0.100 10.0	0.200 20.0	0.500	1.00	5.00
1-Methylnaphthalene	NPT	Ave	11648 1111542	24780 1849794	53417	128399	478037	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Acenaphthylene	ANT	Ave	16810 1828628	38287 2951299	84751	203915	763735	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Acenaphthene	ANT	Ave	10780 1165866	25918 1886024	55743	133022	488718	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Fluorene	ANT	Ave	10568 1270080	27593 2018658	59623	140941	521331	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Phenanthrene	PHN	Ave	15156 1728382	37670 2712882	77982	191680	689471	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Anthracene	PHN	Ave	13658 1626967	33535 2568290	71225	179384	648186	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Fluoranthene	PHN	Ave	14351 1880953	38186 2963120	79190	202112	740761	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Pyrene	CRY	Ave	15901 1939156	39484 3050113	81092	205051	780891	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[a]anthracene	CRY	Ave	12595 1657596	30945 2583165	60893	167718	601939	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Chrysene	CRY	Ave	11476 1584371	30795 2428237	60623	160663	578830	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[b]fluoranthene	PRY	Ave	12194 1625805	31303 2670621	61848	170419	601523	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[k]fluoranthene	PRY	Ave	11888 1700016	29580 2515099	56959	165055	610156	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[a]pyrene	PRY	Ave	10886 1458697	26368 2301781	50024	146960	528606	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.: 680-109515-2 Analy Batch No.: 369458

SDG No.: 680-109515-02

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

Calibration Start Date: 02/04/2015 09:19 Calibration End Date: 02/04/2015 11:35 Calibration ID: 37411

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Indeno[1,2,3-cd]pyrene	CRY	QuaF	16334 1619180	27962 2499690	55369	177430	576080	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Dibenz(a,h)anthracene	PRY	QuaF	13302 1324451	21486 2030471	43735	143721	470714	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[g,h,i]perylene	PRY	QuaF	15999 1385210	26211 2122421	48872	165522	506981	0.100 10.0	0.200 20.0	0.500	1.00	5.00
o-Terphenyl	CRY	QuaF	10282 1147526	25191 1821044	55800	131842	475292	0.100 10.0	0.200 20.0	0.500	1.00	5.00

Curve Type Legend:

Ave = Average ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0403.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 04-Feb-2015 09:19:30 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: ICIS
Misc. Info.: 680-0016805-003
Operator ID: Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub1

Method: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 06-Feb-2015 08:36:12 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 06-Feb-2015 08:35:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.208	4.208	0.000	99	303097	2.00	2.00	
* 2 Acenaphthene-d10	164	6.006	6.006	0.000	92	158513	2.00	2.00	
* 3 Phenanthrene-d10	188	7.621	7.621	0.000	99	228412	2.00	2.00	
* 4 Chrysene-d12	240	10.448	10.448	0.000	99	191819	2.00	2.00	
* 5 Perylene-d12	264	11.958	11.958	0.000	98	178307	2.00	2.00	
$ 6 o-Terphenyl	230	8.062	8.062	0.000	90	475292	5.00	6.08	
7 Naphthalene	128	4.231	4.231	0.000	99	839974	5.00	4.84	
9 2-Methylnaphthalene	142	4.913	4.913	0.000	85	531537	5.00	4.88	
8 1-Methylnaphthalene	142	5.013	5.013	0.000	93	478037	5.00	4.85	
11 Acenaphthylene	152	5.853	5.853	0.000	97	763735	5.00	5.00	
12 Acenaphthene	153	6.041	6.041	0.000	96	488718	5.00	4.93	
14 Fluorene	166	6.599	6.599	0.000	95	521331	5.00	4.97	
15 Phenanthrene	178	7.651	7.651	0.000	97	689471	5.00	4.84	
16 Anthracene	178	7.704	7.704	0.000	97	648186	5.00	4.93	
17 Fluoranthene	202	8.949	8.949	0.000	97	740761	5.00	5.01	
18 Pyrene	202	9.190	9.190	0.000	97	780891	5.00	5.05	
19 Benzo[a]anthracene	228	10.436	10.436	0.000	98	601939	5.00	4.87	
20 Chrysene	228	10.477	10.477	0.000	97	578830	5.00	4.88	
21 Benzo[b]fluoranthene	252	11.529	11.529	0.000	98	601523	5.00	4.84	
22 Benzo[k]fluoranthene	252	11.558	11.558	0.000	99	610156	5.00	5.06	
23 Benzo[a]pyrene	252	11.899	11.899	0.000	97	528606	5.00	4.93	
24 Indeno[1,2,3-cd]pyrene	276	13.432	13.432	0.000	98	576080	5.00	5.54	
25 Dibenz(a,h)anthracene	278	13.462	13.462	0.000	95	470714	5.00	5.52	
26 Benzo[g,h,i]perylene	276	13.873	13.873	0.000	97	506981	5.00	5.60	

Reagents:

SMLLPAH5.0LVI_00027 Amount Added: 1.00 Units: mL

Report Date: 06-Feb-2015 08:36:13 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0403.D

Injection Date: 04-Feb-2015 09:19:30 Instrument ID: CMSK Operator ID:

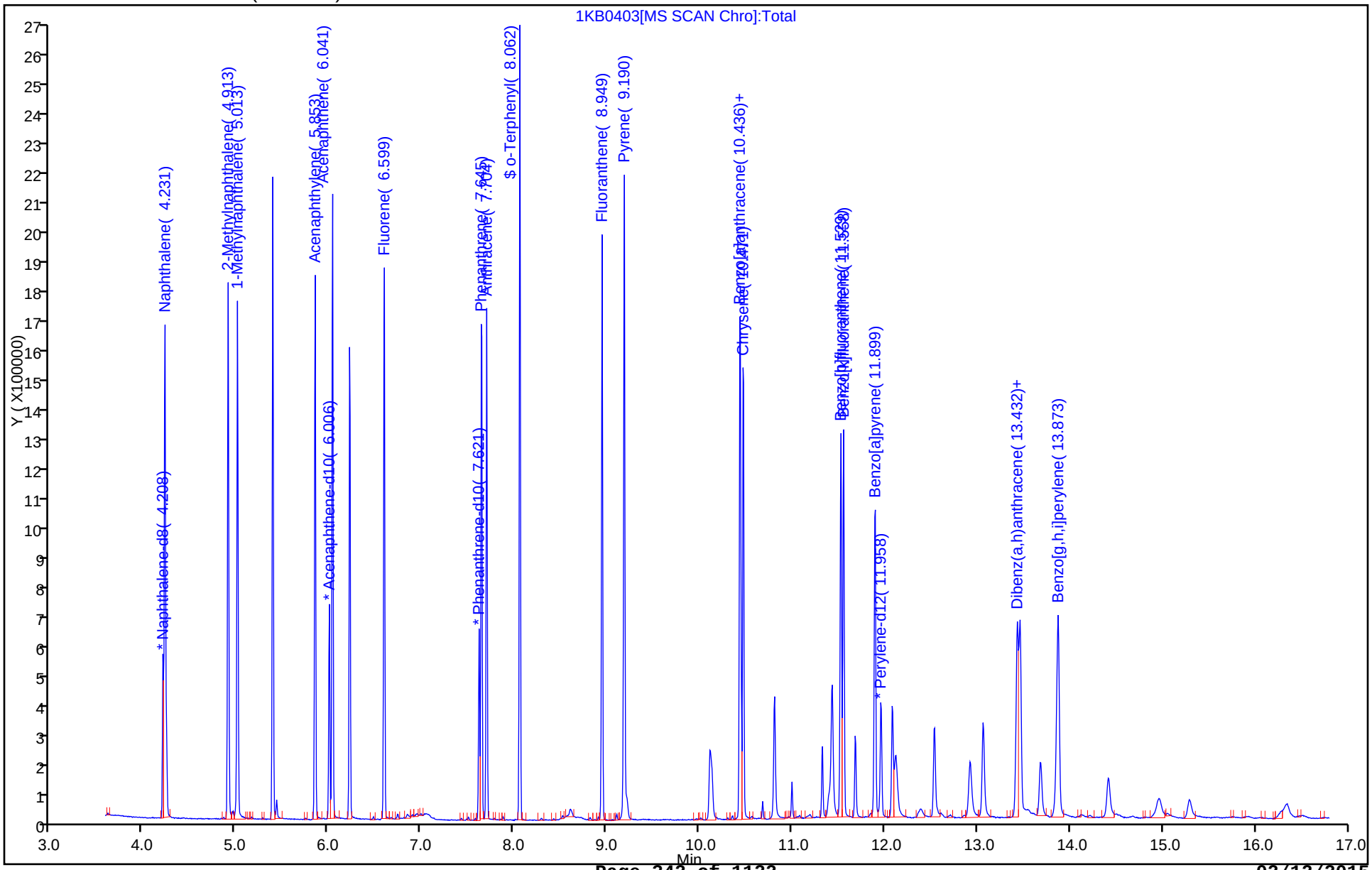
Lims ID: ICIS Worklist Smp#: 3

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0404.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Feb-2015 09:42:30 ALS Bottle#: 3 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0016805-004
Operator ID: Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub1

Method: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 06-Feb-2015 08:36:14 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 05-Feb-2015 17:17:24

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	4.208	4.208	0.000	99	318968	2.00	2.00	
* 2 Acenaphthene-d10	164	6.006	6.006	0.000	91	166995	2.00	2.00	
* 3 Phenanthrene-d10	188	7.621	7.621	0.000	99	224570	2.00	2.00	
* 4 Chrysene-d12	240	10.442	10.448	-0.006	99	177410	2.00	2.00	
* 5 Perylene-d12	264	11.958	11.958	0.000	98	166828	2.00	2.00	
$ 6 o-Terphenyl	230	8.062	8.062	0.000	88	10282	0.1000	0.1484	
7 Naphthalene	128	4.231	4.231	0.000	99	19731	0.1000	0.1080	
9 2-Methylnaphthalene	142	4.913	4.913	0.000	83	12071	0.1000	0.1054	
8 1-Methylnaphthalene	142	5.013	5.013	0.000	95	11648	0.1000	0.1123	
11 Acenaphthylene	152	5.853	5.853	0.000	97	16810	0.1000	0.1044	
12 Acenaphthene	153	6.041	6.041	0.000	95	10780	0.1000	0.1031	
14 Fluorene	166	6.593	6.599	-0.006	93	10568	0.1000	0.0957	
15 Phenanthrene	178	7.645	7.651	-0.006	96	15156	0.1000	0.1083	
16 Anthracene	178	7.704	7.704	0.000	97	13658	0.1000	0.1057	
17 Fluoranthene	202	8.943	8.949	-0.006	97	14351	0.1000	0.0987	
18 Pyrene	202	9.184	9.190	-0.006	97	15901	0.1000	0.1112	
19 Benzo[a]anthracene	228	10.436	10.436	0.000	98	12595	0.1000	0.1101	
20 Chrysene	228	10.471	10.477	-0.006	98	11476	0.1000	0.1046	
21 Benzo[b]fluoranthene	252	11.523	11.529	-0.006	98	12194	0.1000	0.1050	
22 Benzo[k]fluoranthene	252	11.552	11.558	-0.006	97	11888	0.1000	0.1054	
23 Benzo[a]pyrene	252	11.887	11.899	-0.012	96	10886	0.1000	0.1086	
24 Indeno[1,2,3-cd]pyrene	276	13.421	13.432	-0.011	90	16334	0.1000	0.1791	
25 Dibenz(a,h)anthracene	278	13.450	13.462	-0.012	94	13302	0.1000	0.1769	
26 Benzo[g,h,i]perylene	276	13.861	13.873	-0.012	96	15999	0.1000	0.1991	

Reagents:

SMLLPAH0.1LVI_00024 Amount Added: 1.00 Units: mL

Report Date: 06-Feb-2015 08:36:14 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0404.D

Injection Date: 04-Feb-2015 09:42:30 Instrument ID: CMSK Operator ID:

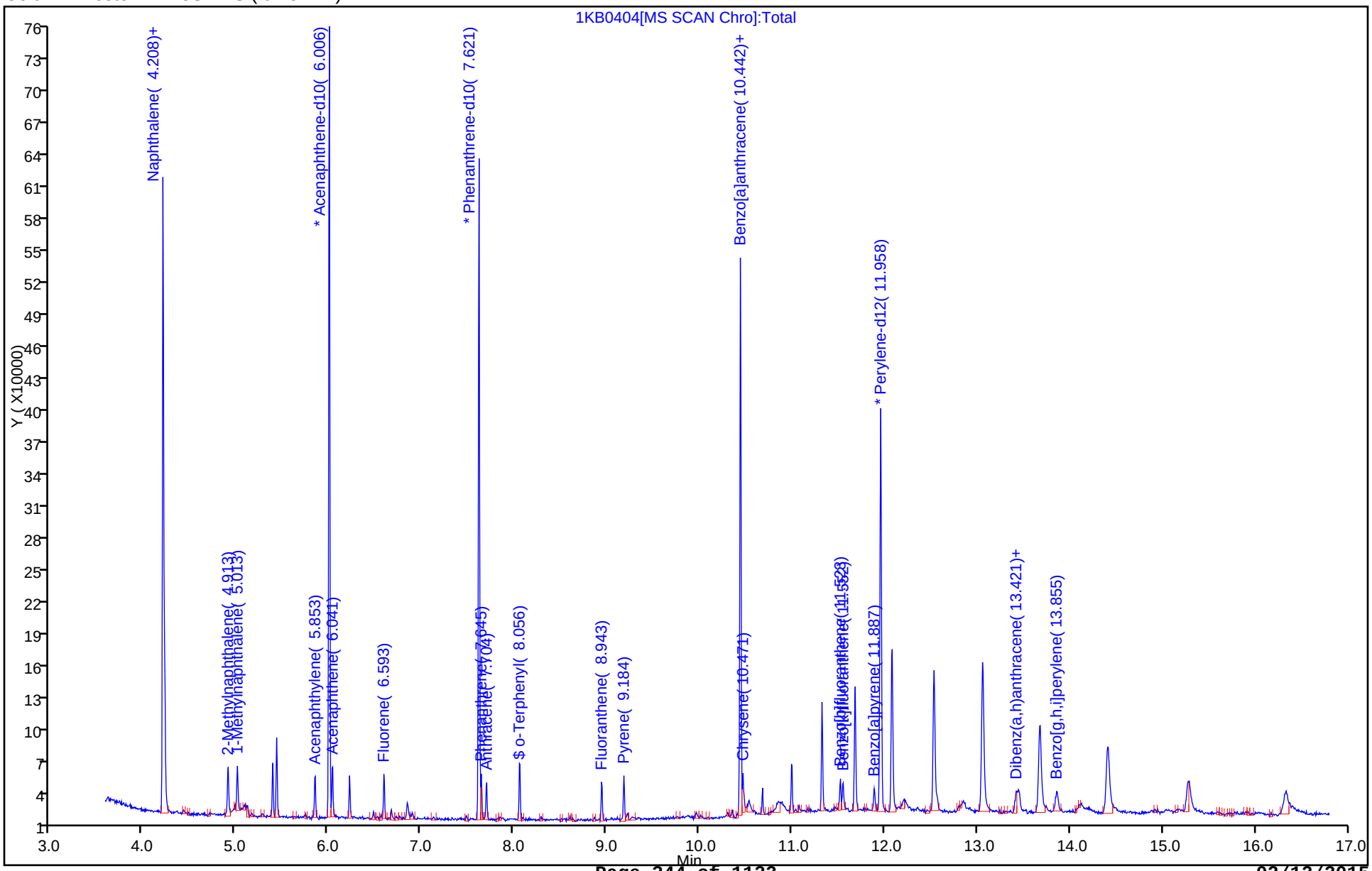
Lims ID: IC Worklist Smp#: 4

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0405.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-Feb-2015 10:05:30 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0016805-005
Operator ID: Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub1

Method: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 06-Feb-2015 08:36:15 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 05-Feb-2015 17:17:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.208	4.208	0.000	98	287792	2.00	2.00	
* 2 Acenaphthene-d10	164	6.006	6.006	0.000	91	148659	2.00	2.00	
* 3 Phenanthrene-d10	188	7.621	7.621	0.000	99	215542	2.00	2.00	
* 4 Chrysene-d12	240	10.454	10.448	0.006	99	202008	2.00	2.00	
* 5 Perylene-d12	264	11.958	11.958	0.000	98	183172	2.00	2.00	
$ 6 o-Terphenyl	230	8.068	8.062	0.006	90	1821044	20.0	20.1	
7 Naphthalene	128	4.231	4.231	0.000	99	3314832	20.0	20.1	
9 2-Methylnaphthalene	142	4.913	4.913	0.000	85	2094723	20.0	20.3	
8 1-Methylnaphthalene	142	5.019	5.013	0.006	93	1849794	20.0	19.8	
11 Acenaphthylene	152	5.853	5.853	0.000	97	2951299	20.0	20.6	
12 Acenaphthene	153	6.047	6.041	0.006	96	1886024	20.0	20.3	
14 Fluorene	166	6.599	6.599	0.000	95	2018658	20.0	20.5	
15 Phenanthrene	178	7.651	7.651	0.000	97	2712882	20.0	20.2	
16 Anthracene	178	7.710	7.704	0.006	97	2568290	20.0	20.7	
17 Fluoranthene	202	8.955	8.949	0.006	97	2963120	20.0	21.2	
18 Pyrene	202	9.196	9.190	0.006	97	3050113	20.0	18.7	
19 Benzo[a]anthracene	228	10.442	10.436	0.006	98	2583165	20.0	19.8	
20 Chrysene	228	10.477	10.477	0.000	97	2428237	20.0	19.4	
21 Benzo[b]fluoranthene	252	11.535	11.529	0.006	98	2670621	20.0	20.9	
22 Benzo[k]fluoranthene	252	11.564	11.558	0.006	99	2515099	20.0	20.3	
23 Benzo[a]pyrene	252	11.905	11.899	0.006	97	2301781	20.0	20.9	
24 Indeno[1,2,3-cd]pyrene	276	13.444	13.432	0.012	97	2499690	20.0	20.1	
25 Dibenz(a,h)anthracene	278	13.468	13.462	0.006	97	2030471	20.0	20.1	
26 Benzo[g,h,i]perylene	276	13.891	13.873	0.018	97	2122421	20.0	20.1	

Reagents:

SMLLPAH20LVI_00028 Amount Added: 1.00 Units: mL

Report Date: 06-Feb-2015 08:36:15 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0405.D

Injection Date: 04-Feb-2015 10:05:30 Instrument ID: CMSK Operator ID:

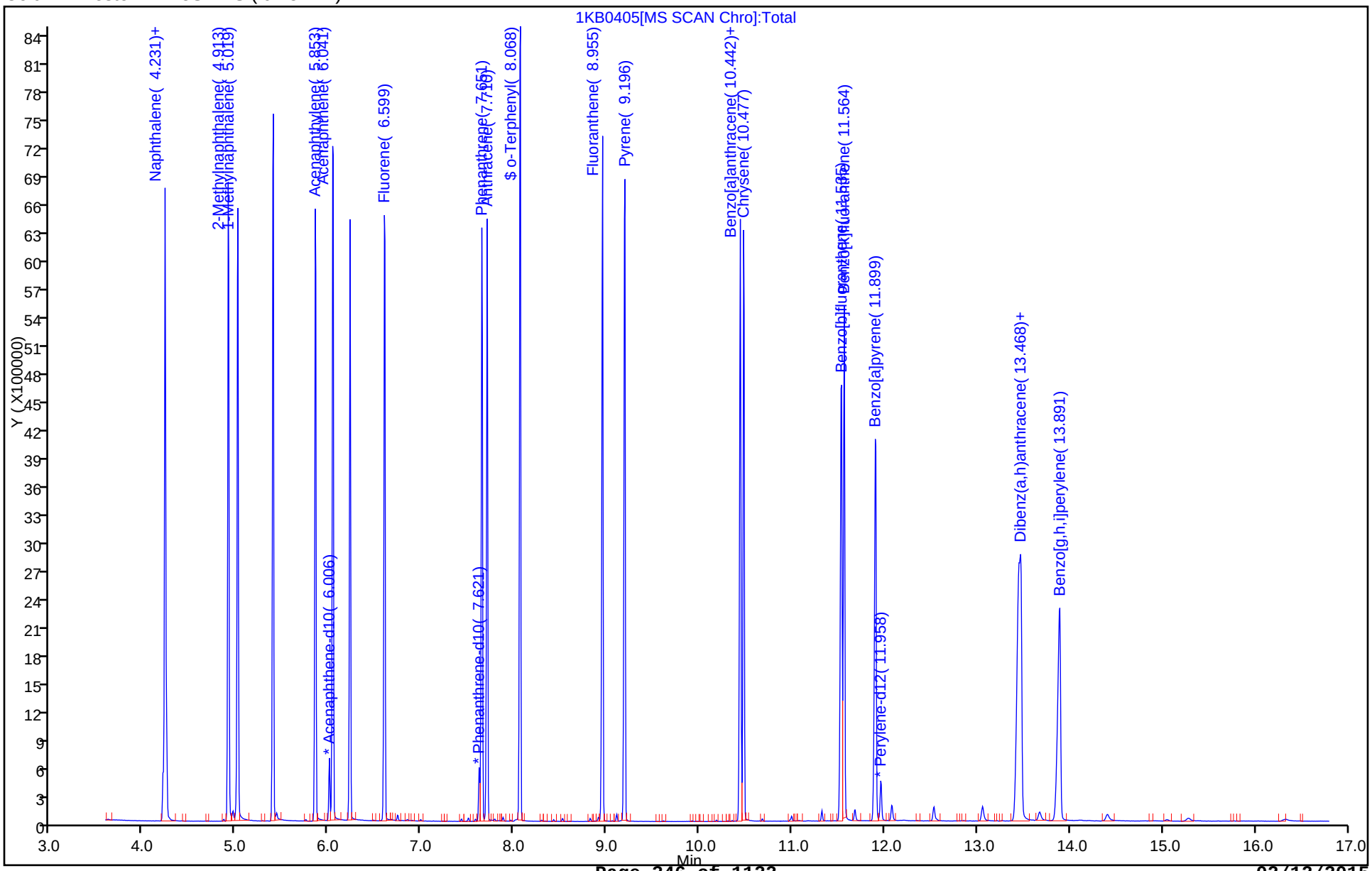
Lims ID: IC Worklist Smp#: 5

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0406.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Feb-2015 10:27:30 ALS Bottle#: 5 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0016805-006
Operator ID: Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub1

Method: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 06-Feb-2015 08:36:16 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 05-Feb-2015 17:17:42

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	4.208	4.208	0.000	99	403144	2.00	2.00	
* 2 Acenaphthene-d10	164	6.006	6.006	0.000	92	217563	2.00	2.00	
* 3 Phenanthrene-d10	188	7.621	7.621	0.000	99	322798	2.00	2.00	
* 4 Chrysene-d12	240	10.448	10.448	0.000	99	301926	2.00	2.00	
* 5 Perylene-d12	264	11.952	11.958	-0.006	98	277368	2.00	2.00	
$ 6 o-Terphenyl	230	8.062	8.062	0.000	90	1147526	10.0	9.13	
7 Naphthalene	128	4.231	4.231	0.000	99	1972679	10.0	8.54	
9 2-Methylnaphthalene	142	4.913	4.913	0.000	85	1264281	10.0	8.73	
8 1-Methylnaphthalene	142	5.013	5.013	0.000	93	1111542	10.0	8.48	
11 Acenaphthylene	152	5.853	5.853	0.000	97	1828628	10.0	8.72	
12 Acenaphthene	153	6.041	6.041	0.000	96	1165866	10.0	8.56	
14 Fluorene	166	6.599	6.599	0.000	95	1270080	10.0	8.83	
15 Phenanthrene	178	7.651	7.651	0.000	97	1728382	10.0	8.59	
16 Anthracene	178	7.704	7.704	0.000	98	1626967	10.0	8.76	
17 Fluoranthene	202	8.949	8.949	0.000	97	1880953	10.0	9.00	
18 Pyrene	202	9.190	9.190	0.000	97	1939156	10.0	7.97	
19 Benzo[a]anthracene	228	10.436	10.436	0.000	98	1657596	10.0	8.51	
20 Chrysene	228	10.477	10.477	0.000	97	1584371	10.0	8.49	
21 Benzo[b]fluoranthene	252	11.523	11.529	-0.006	98	1625805	10.0	8.42	
22 Benzo[k]fluoranthene	252	11.552	11.558	-0.006	99	1700016	10.0	9.07	
23 Benzo[a]pyrene	252	11.893	11.899	-0.006	97	1458697	10.0	8.75	
24 Indeno[1,2,3-cd]pyrene	276	13.426	13.432	-0.006	97	1619180	10.0	9.54	
25 Dibenz(a,h)anthracene	278	13.456	13.462	-0.006	95	1324451	10.0	9.57	
26 Benzo[g,h,i]perylene	276	13.873	13.873	0.000	97	1385210	10.0	9.49	

Reagents:

SMLLPAH10LVI_00024 Amount Added: 1.00 Units: mL

Report Date: 06-Feb-2015 08:36:16 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0406.D

Injection Date: 04-Feb-2015 10:27:30 Instrument ID: CMSK Operator ID:

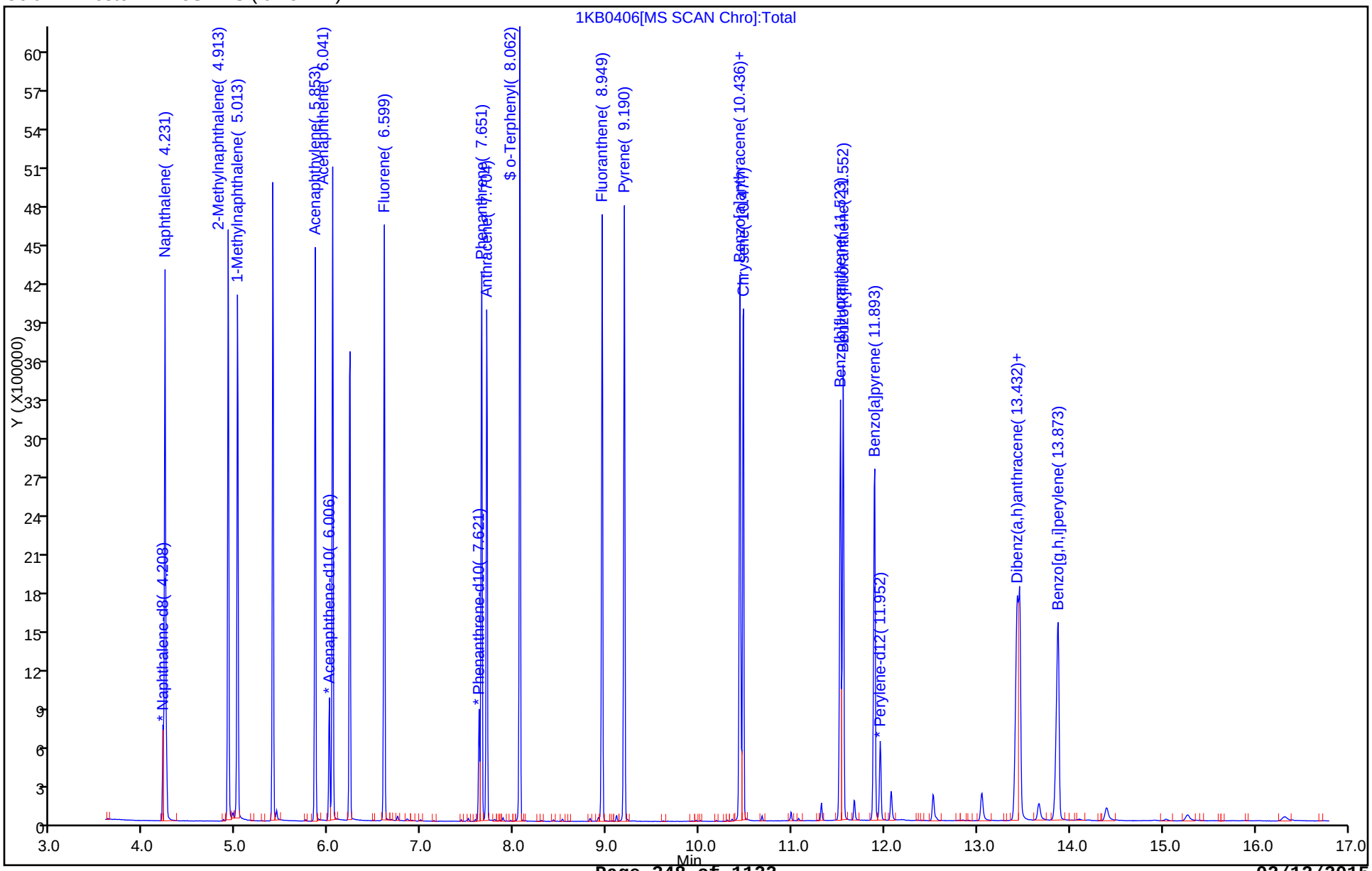
Lims ID: IC Worklist Smp#: 6

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0407.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Feb-2015 10:50:30 ALS Bottle#: 6 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0016805-007
Operator ID: Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub1

Method: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 06-Feb-2015 08:36:17 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 05-Feb-2015 17:17:50

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	4.208	4.208	0.000	99	353664	2.00	2.00	
* 2 Acenaphthene-d10	164	6.006	6.006	0.000	92	187932	2.00	2.00	
* 3 Phenanthrene-d10	188	7.622	7.621	0.001	99	279606	2.00	2.00	
* 4 Chrysene-d12	240	10.442	10.448	-0.006	99	230796	2.00	2.00	
* 5 Perylene-d12	264	11.946	11.958	-0.012	98	225342	2.00	2.00	
$ 6 o-Terphenyl	230	8.062	8.062	0.000	90	131842	1.00	1.45	
7 Naphthalene	128	4.231	4.231	0.000	99	225966	1.00	1.12	
9 2-Methylnaphthalene	142	4.913	4.913	0.000	85	141540	1.00	1.11	
8 1-Methylnaphthalene	142	5.013	5.013	0.000	93	128399	1.00	1.12	
11 Acenaphthylene	152	5.853	5.853	0.000	97	203915	1.00	1.13	
12 Acenaphthene	153	6.041	6.041	0.000	95	133022	1.00	1.13	
14 Fluorene	166	6.593	6.599	-0.006	95	140941	1.00	1.13	
15 Phenanthrene	178	7.645	7.651	-0.006	98	191680	1.00	1.10	
16 Anthracene	178	7.704	7.704	0.000	98	179384	1.00	1.11	
17 Fluoranthene	202	8.949	8.949	0.000	98	202112	1.00	1.12	
18 Pyrene	202	9.184	9.190	-0.006	97	205051	1.00	1.10	
19 Benzo[a]anthracene	228	10.430	10.436	-0.006	98	167718	1.00	1.13	
20 Chrysene	228	10.465	10.477	-0.012	97	160663	1.00	1.13	
21 Benzo[b]fluoranthene	252	11.517	11.529	-0.012	98	170419	1.00	1.09	
22 Benzo[k]fluoranthene	252	11.541	11.558	-0.017	98	165055	1.00	1.08	
23 Benzo[a]pyrene	252	11.881	11.899	-0.018	97	146960	1.00	1.09	
24 Indeno[1,2,3-cd]pyrene	276	13.409	13.432	-0.023	98	177430	1.00	1.48	
25 Dibenz(a,h)anthracene	278	13.444	13.462	-0.018	95	143721	1.00	1.40	
26 Benzo[g,h,i]perylene	276	13.850	13.873	-0.023	98	165522	1.00	1.51	

Reagents:

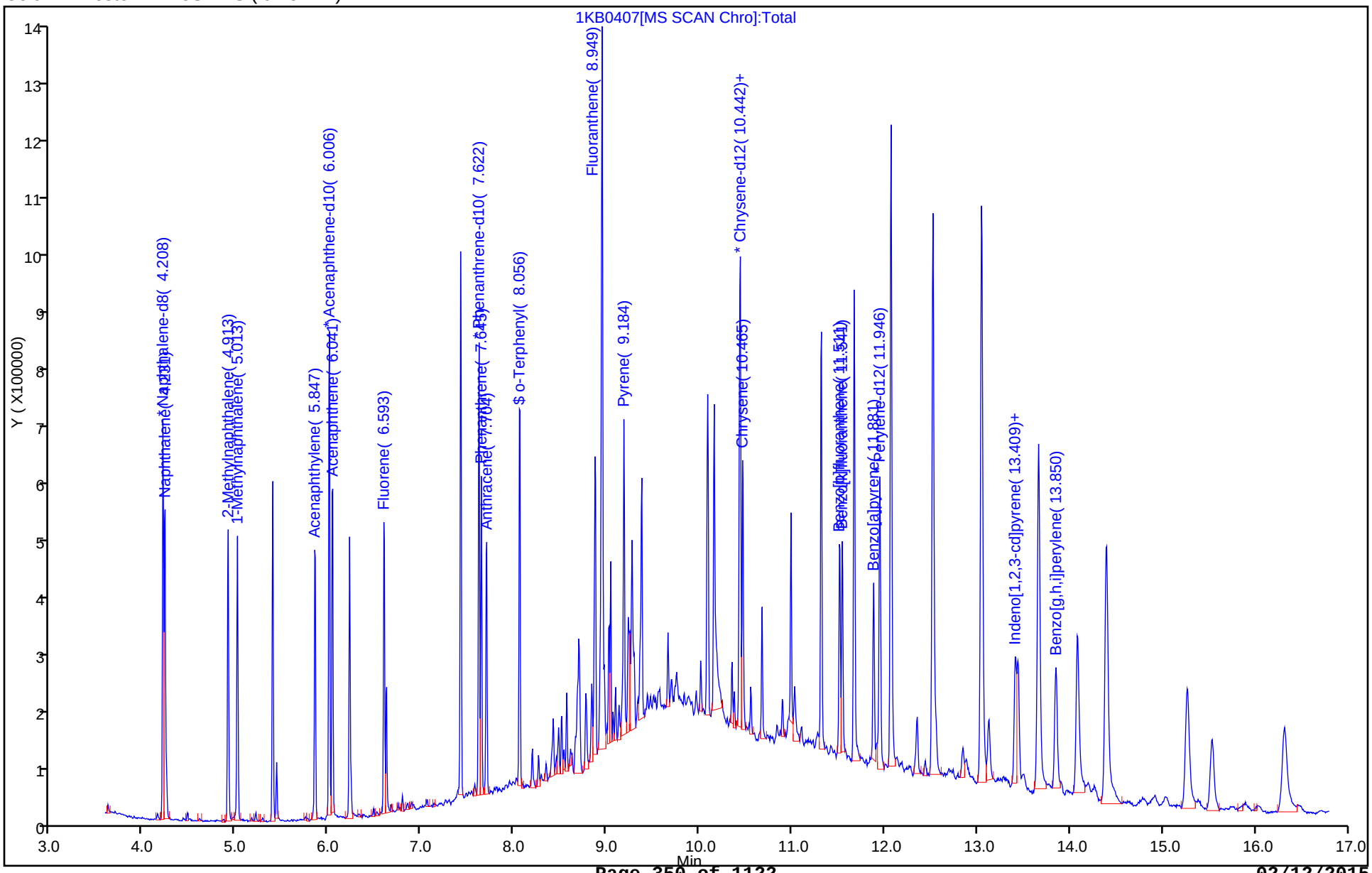
SMLLPAH1.0LVI_00022 Amount Added: 1.00 Units: mL

Report Date: 06-Feb-2015 08:36:17 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0407.D				
Injection Date:	04-Feb-2015 10:50:30	Instrument ID:	CMSK	Operator ID:	
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0408.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Feb-2015 11:13:30 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0016805-008
Operator ID: Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub1

Method: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 06-Feb-2015 08:36:18 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 05-Feb-2015 17:17:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.208	4.208	0.000	99	335674	2.00	2.00	
* 2 Acenaphthene-d10	164	6.006	6.006	0.000	91	180245	2.00	2.00	
* 3 Phenanthrene-d10	188	7.622	7.621	0.001	99	252793	2.00	2.00	
* 4 Chrysene-d12	240	10.442	10.448	-0.006	100	192864	2.00	2.00	
* 5 Perylene-d12	264	11.946	11.958	-0.012	98	174468	2.00	2.00	
$ 6 o-Terphenyl	230	8.062	8.062	0.000	91	55800	0.5000	0.7378	
7 Naphthalene	128	4.231	4.231	0.000	99	94950	0.5000	0.4939	
9 2-Methylnaphthalene	142	4.913	4.913	0.000	86	60403	0.5000	0.5010	
8 1-Methylnaphthalene	142	5.013	5.013	0.000	93	53417	0.5000	0.4895	
11 Acenaphthylene	152	5.847	5.853	-0.006	97	84751	0.5000	0.4877	
12 Acenaphthene	153	6.035	6.041	-0.006	95	55743	0.5000	0.4941	
14 Fluorene	166	6.593	6.599	-0.006	96	59623	0.5000	0.5003	
15 Phenanthrene	178	7.645	7.651	-0.006	96	77982	0.5000	0.4951	
16 Anthracene	178	7.704	7.704	0.000	98	71225	0.5000	0.4895	
17 Fluoranthene	202	8.944	8.949	-0.005	97	79190	0.5000	0.4839	
18 Pyrene	202	9.185	9.190	-0.005	97	81092	0.5000	0.5217	
19 Benzo[a]anthracene	228	10.430	10.436	-0.006	98	60893	0.5000	0.4895	
20 Chrysene	228	10.465	10.477	-0.012	98	60623	0.5000	0.5083	
21 Benzo[b]fluoranthene	252	11.511	11.529	-0.018	98	61848	0.5000	0.5091	
22 Benzo[k]fluoranthene	252	11.541	11.558	-0.017	98	56959	0.5000	0.4829	
23 Benzo[a]pyrene	252	11.881	11.899	-0.018	97	50024	0.5000	0.4773	
24 Indeno[1,2,3-cd]pyrene	276	13.409	13.432	-0.023	98	55369	0.5000	0.5564	
25 Dibenz(a,h)anthracene	278	13.438	13.462	-0.024	95	43735	0.5000	0.5537	
26 Benzo[g,h,i]perylene	276	13.844	13.873	-0.029	97	48872	0.5000	0.5794	

Reagents:

SMLLPAH0.5LVI_00024 Amount Added: 1.00 Units: mL

Report Date: 06-Feb-2015 08:36:18 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0408.D

Injection Date: 04-Feb-2015 11:13:30 Instrument ID: CMSK Operator ID:

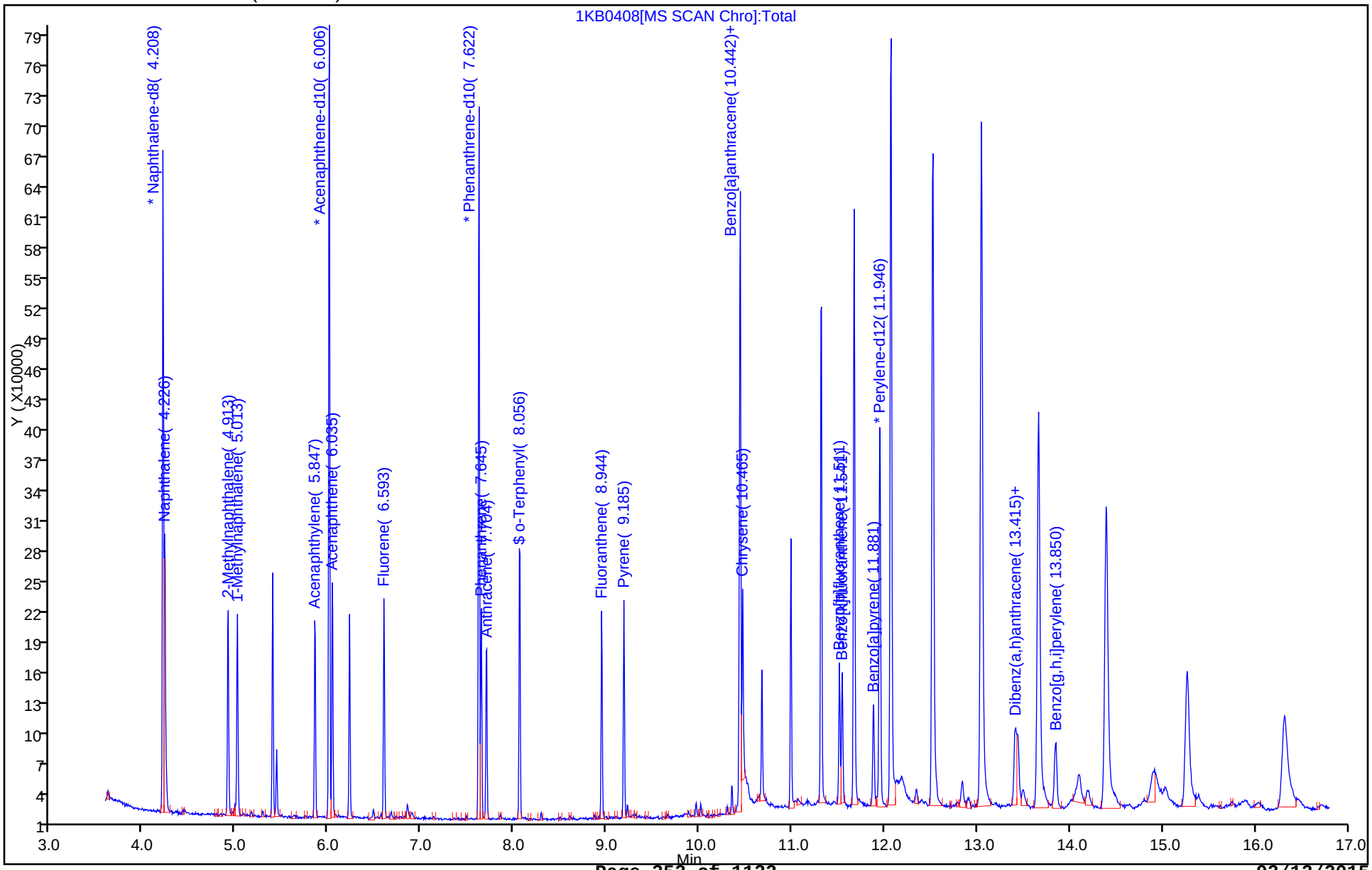
Lims ID: IC Worklist Smp#: 8

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Feb-2015 11:35:30 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0016805-009
Operator ID: Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub1

Method: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 06-Feb-2015 08:36:19 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 05-Feb-2015 17:18:30

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	4.208	4.208	0.000	99	391397	2.00	2.00	
* 2 Acenaphthene-d10	164	6.006	6.006	0.000	92	207995	2.00	2.00	
* 3 Phenanthrene-d10	188	7.621	7.621	0.000	99	305830	2.00	2.00	
* 4 Chrysene-d12	240	10.442	10.448	-0.006	99	245333	2.00	2.00	
* 5 Perylene-d12	264	11.946	11.958	-0.012	98	227377	2.00	2.00	
$ 6 o-Terphenyl	230	8.056	8.062	-0.006	89	25191	0.2000	0.2627	
7 Naphthalene	128	4.231	4.231	0.000	98	44317	0.2000	0.1977	
9 2-Methylnaphthalene	142	4.913	4.913	0.000	86	27193	0.2000	0.1934	
8 1-Methylnaphthalene	142	5.013	5.013	0.000	92	24780	0.2000	0.1948	
11 Acenaphthylene	152	5.847	5.853	-0.006	97	38287	0.2000	0.1909	
12 Acenaphthene	153	6.035	6.041	-0.006	96	25918	0.2000	0.1991	
14 Fluorene	166	6.593	6.599	-0.006	96	27593	0.2000	0.2006	
15 Phenanthrene	178	7.645	7.651	-0.006	97	37670	0.2000	0.1977	
16 Anthracene	178	7.698	7.704	-0.006	98	33535	0.2000	0.1905	
17 Fluoranthene	202	8.943	8.949	-0.006	97	38186	0.2000	0.1929	
18 Pyrene	202	9.184	9.190	-0.006	97	39484	0.2000	0.1997	
19 Benzo[a]anthracene	228	10.430	10.436	-0.006	98	30945	0.2000	0.1956	
20 Chrysene	228	10.465	10.477	-0.012	99	30795	0.2000	0.2030	
21 Benzo[b]fluoranthene	252	11.511	11.529	-0.018	98	31303	0.2000	0.1977	
22 Benzo[k]fluoranthene	252	11.540	11.558	-0.018	98	29580	0.2000	0.1924	
23 Benzo[a]pyrene	252	11.881	11.899	-0.018	97	26368	0.2000	0.1930	
24 Indeno[1,2,3-cd]pyrene	276	13.409	13.432	-0.023	98	27962	0.2000	0.2216	
25 Dibenz(a,h)anthracene	278	13.438	13.462	-0.024	95	21486	0.2000	0.2096	
26 Benzo[g,h,i]perylene	276	13.850	13.873	-0.023	98	26211	0.2000	0.2393	

Reagents:

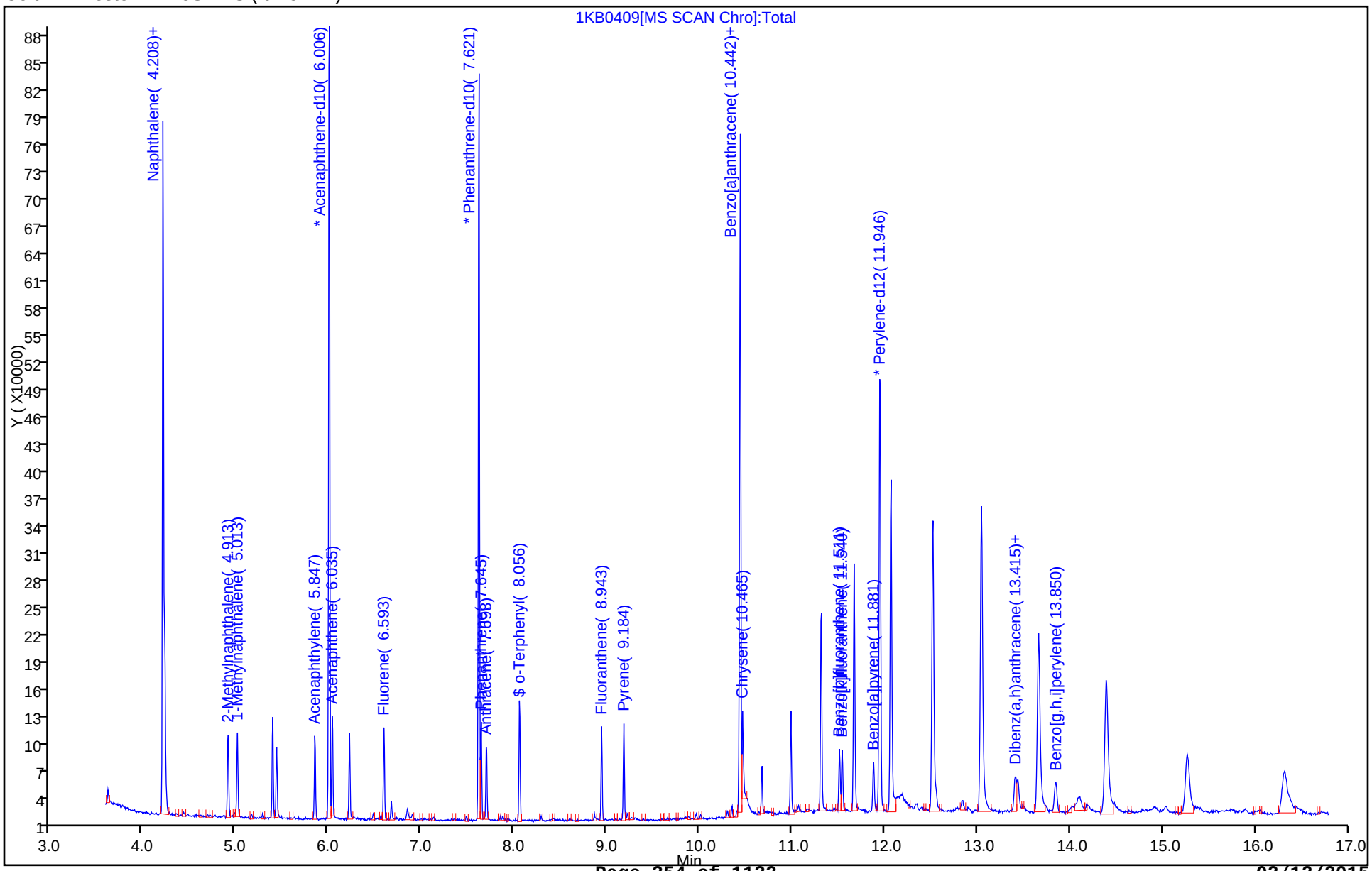
SMLLPAH0.2LVI_00023 Amount Added: 1.00 Units: mL

Report Date: 06-Feb-2015 08:36:19 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D				
Injection Date:	04-Feb-2015 11:35:30	Instrument ID:	CMSK	Operator ID:	
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2 Analy Batch No.: 369429

SDG No.: 680-109515-02

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

Calibration Start Date: 02/03/2015 16:39 Calibration End Date: 02/03/2015 18:57 Calibration ID: 37398

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-369429/3	3YB0303.D
Level 2	IC 680-369429/8	3YB0308.D
Level 3	IC 680-369429/7	3YB0307.D
Level 4	IC 680-369429/6	3YB0306.D
Level 5	ICIS 680-369429/2	3YB0302.D
Level 6	IC 680-369429/5	3YB0305.D
Level 7	IC 680-369429/4	3YB0304.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	1.2303 1.0007	1.1383 1.1619	1.1569	1.2855	1.1375	Ave		1.1587			0.7000	7.6		20.0			
2-Methylnaphthalene	0.8277 0.6876	0.7688 0.8231	0.7931	0.8817	0.7885	Ave		0.7958			0.4000	7.5		20.0			
1-Methylnaphthalene	0.7593 0.6102	0.6834 0.7370	0.6905	0.7848	0.7031	Ave		0.7097				8.1		20.0			
Acenaphthylene	2.0552 1.7474	1.9139 2.0424	1.9322	2.2861	1.9869	Ave		1.9949			0.9000	8.2		20.0			
Acenaphthene	1.3939 1.1091	1.2732 1.2875	1.2782	1.4509	1.2661	Ave		1.2941			0.9000	8.4		20.0			
Fluorene	1.5474 1.2768	1.4261 1.4728	1.4545	1.6533	1.4542	Ave		1.4693			0.9000	7.8		20.0			
Phenanthrene	1.3482 1.0505	1.2140 1.2311	1.2284	1.3735	1.1942	Ave		1.2343			0.7000	8.6		20.0			
Anthracene	1.1870 1.0289	1.1563 1.2055	1.1796	1.3309	1.1546	Ave		1.1775			0.7000	7.6		20.0			
Fluoranthene	1.3699 1.1296	1.2274 1.3158	1.2493	1.4229	1.2734	Ave		1.2840			0.6000	7.5		20.0			
Pyrene	1.4304 1.1363	1.3218 1.3276	1.3291	1.5692	1.2838	Ave		1.3426			0.6000	9.9		20.0			
Benzo[a]anthracene	1.3186 1.0455	1.2181 1.2410	1.2110	1.3909	1.1977	Ave		1.2318			0.7000	8.7		20.0			
Chrysene	1.3423 1.0126	1.2312 1.1142	1.1640	1.3523	1.1575	QuaF		1.0176	0.0046084						0.9980		0.9900
Benzo[b]fluoranthene	1.3116 1.1292	1.2551 1.4024	1.2429	1.5494	1.3397	Ave		1.3186			0.4000	10.0		20.0			
Benzo[k]fluoranthene	1.5051 1.1584	1.3298 1.2550	1.3506	1.4684	1.2802	Ave		1.3354			0.4000	9.0		20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2 Analy Batch No.: 369429

SDG No.: 680-109515-02

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

Calibration Start Date: 02/03/2015 16:39 Calibration End Date: 02/03/2015 18:57 Calibration ID: 37398

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[a]pyrene	1.2278 1.0201	1.1385 1.1843	1.1377	1.2719	1.1580	Ave		1.1626			0.4000	6.9		20.0			
Indeno[1,2,3-cd]pyrene	1.3030 1.0223	1.2737 1.2207	1.1216	1.2696	1.2757	Ave		1.2124			0.2000	8.5		20.0			
Dibenz(a,h)anthracene	1.0693 0.8963	1.0403 1.1088	0.9450	1.0503	1.0522	Ave		1.0232			0.2000	7.3		20.0			
Benzo[g,h,i]perylene	1.2418 0.9170	1.1267 1.1530	1.0427	1.1573	1.1173	Ave		1.1080			0.2000	9.3		20.0			
o-Terphenyl	0.8292 0.6126	0.7365 0.7254	0.7497	0.8709	0.7064	QuaF		0.5826	0.0069639						0.9970		0.9900

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

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

Lab Name: TestAmerica Savannah Job No.: 680-109515-2 Analy Batch No.: 369429

SDG No.: 680-109515-02

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

Calibration Start Date: 02/03/2015 16:39 Calibration End Date: 02/03/2015 18:57 Calibration ID: 37398

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-369429/3	3YB0303.D
Level 2	IC 680-369429/8	3YB0308.D
Level 3	IC 680-369429/7	3YB0307.D
Level 4	IC 680-369429/6	3YB0306.D
Level 5	ICIS 680-369429/2	3YB0302.D
Level 6	IC 680-369429/5	3YB0305.D
Level 7	IC 680-369429/4	3YB0304.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	24556 2328163	47606 4352614	114036	260379	1082691	0.100 10.0	0.200 20.0	0.500	1.00	5.00
2-Methylnaphthalene	NPT	Ave	16521 1599588	32153 3083532	78172	178579	750500	0.100 10.0	0.200 20.0	0.500	1.00	5.00
1-Methylnaphthalene	NPT	Ave	15155 1419559	28581 2760865	68061	158958	669163	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Acenaphthylene	ANT	Ave	24082 2402408	46432 4692708	113738	271567	1140543	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Acenaphthene	ANT	Ave	16333 1524757	30888 2958307	75238	172347	726799	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Fluorene	ANT	Ave	18131 1755395	34598 3383932	85617	196390	834777	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Phenanthrene	PHN	Ave	27373 2443657	50389 4897105	122457	287394	1183206	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Anthracene	PHN	Ave	24100 2393422	47995 4795155	117594	278490	1143976	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Fluoranthene	PHN	Ave	27813 2627673	50944 5234139	124542	297734	1261734	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Pyrene	CRY	Ave	27132 2688180	53668 5299940	130190	311866	1277695	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[a]anthracene	CRY	Ave	25012 2473435	49460 4954099	118618	276435	1191998	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Chrysene	CRY	QuaF	25460 2395652	49992 4448225	114011	268758	1151965	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[b]fluoranthene	PRY	Ave	24014 2474868	51461 5103641	114175	293370	1306014	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[k]fluoranthene	PRY	Ave	27556 2538915	54527 4567222	124065	278041	1247974	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[a]pyrene	PRY	Ave	22480 2235745	46682 4309938	104504	240825	1128848	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.: 680-109515-2 Analy Batch No.: 369429

SDG No.: 680-109515-02

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

Calibration Start Date: 02/03/2015 16:39 Calibration End Date: 02/03/2015 18:57 Calibration ID: 37398

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	24715 2418593	51714 4873307	109867	252327	1269602	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Dibenz(a,h)anthracene	PRY	Ave	19578 1964309	42656 4035384	86805	198877	1025662	0.100 10.0	0.200 20.0	0.500	1.00	5.00
Benzo[g,h,i]perylene	PRY	Ave	22735 2009794	46200 4196097	95784	219130	1089135	0.100 10.0	0.200 20.0	0.500	1.00	5.00
o-Terphenyl	CRY	QuaF	15728 1449306	29902 2896038	73434	173092	703002	0.100 10.0	0.200 20.0	0.500	1.00	5.00

Curve Type Legend:

Ave = Average ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0302.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 03-Feb-2015 16:39:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 680-0016804-002
Operator ID: Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Feb-2015 09:13:57 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 03-Feb-2015 17:01:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.323	3.323	0.000	99	380714	2.00	2.00	
* 2 Acenaphthene-d10	164	5.077	5.077	0.000	92	229618	2.00	2.00	
* 3 Phenanthrene-d10	188	6.693	6.693	0.000	98	396328	2.00	2.00	
* 4 Chrysene-d12	240	9.586	9.586	0.000	99	398097	2.00	2.00	
* 5 Perylene-d12	264	10.945	10.945	0.000	98	389928	2.00	2.00	
$ 6 o-Terphenyl	230	7.163	7.163	0.000	91	703002	5.00	5.68	
7 Naphthalene	128	3.344	3.344	0.000	99	1082691	5.00	4.91	
9 2-Methylnaphthalene	142	4.008	4.008	0.000	86	750500	5.00	4.95	
10 1-Methylnaphthalene	142	4.104	4.104	0.000	93	669163	5.00	4.95	
12 Acenaphthylene	152	4.928	4.928	0.000	98	1140543	5.00	4.98	
14 Acenaphthene	153	5.115	5.115	0.000	94	726799	5.00	4.89	
16 Fluorene	166	5.676	5.676	0.000	96	834777	5.00	4.95	
17 Phenanthrene	178	6.719	6.719	0.000	97	1183206	5.00	4.84	
18 Anthracene	178	6.778	6.778	0.000	99	1143976	5.00	4.90	
19 Fluoranthene	202	8.040	8.040	0.000	98	1261734	5.00	4.96	
20 Pyrene	202	8.281	8.281	0.000	97	1277695	5.00	4.78	
21 Benzo[a]anthracene	228	9.581	9.581	0.000	98	1191998	5.00	4.86	
22 Chrysene	228	9.618	9.618	0.000	99	1151965	5.00	5.55	
23 Benzo[b]fluoranthene	252	10.618	10.618	0.000	99	1306014	5.00	5.08	
24 Benzo[k]fluoranthene	252	10.645	10.645	0.000	99	1247974	5.00	4.79	
25 Benzo[a]pyrene	252	10.902	10.902	0.000	98	1128848	5.00	4.98	
26 Indeno[1,2,3-cd]pyrene	276	11.993	11.993	0.000	99	1269602	5.00	5.26	
27 Dibenz(a,h)anthracene	278	12.014	12.014	0.000	98	1025662	5.00	5.14	
28 Benzo[g,h,i]perylene	276	12.293	12.293	0.000	98	1089135	5.00	5.04	

Reagents:

SMLLPAH5.0LVI_00027 Amount Added: 1.00 Units: mL

Report Date: 04-Feb-2015 09:13:58 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0302.D

Injection Date: 03-Feb-2015 16:39:30 Instrument ID: CMSY Operator ID:

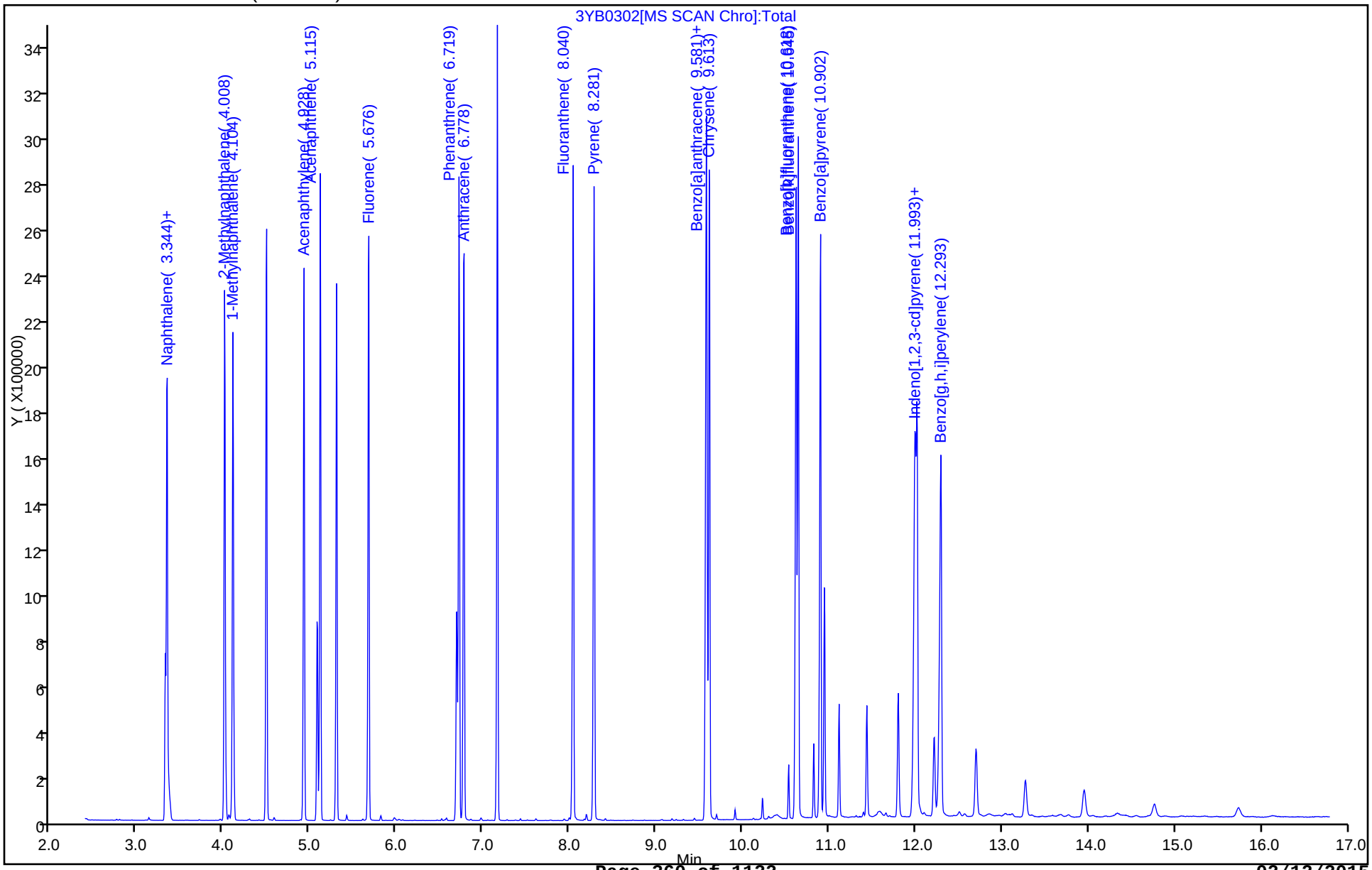
Lims ID: ICIS Worklist Smp#: 2

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\20150203-16804.b\3YB0303.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Feb-2015 17:02:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0016804-003
Operator ID: Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Feb-2015 09:13:55 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 03-Feb-2015 17:44:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.323	3.323	0.000	99	399197	2.00	2.00	
* 2 Acenaphthene-d10	164	5.077	5.077	0.000	92	234349	2.00	2.00	
* 3 Phenanthrene-d10	188	6.692	6.693	-0.001	98	406067	2.00	2.00	
* 4 Chrysene-d12	240	9.581	9.586	-0.005	99	379361	2.00	2.00	
* 5 Perylene-d12	264	10.945	10.945	0.000	98	366171	2.00	2.00	
$ 6 o-Terphenyl	230	7.158	7.163	-0.005	91	15728	0.1000	0.1421	
7 Naphthalene	128	3.344	3.344	0.000	99	24556	0.1000	0.1062	
9 2-Methylnaphthalene	142	4.007	4.008	-0.001	84	16521	0.1000	0.1040	
10 1-Methylnaphthalene	142	4.104	4.104	0.000	92	15155	0.1000	0.1070	
12 Acenaphthylene	152	4.922	4.928	-0.006	98	24082	0.1000	0.1030	
14 Acenaphthene	153	5.115	5.115	0.000	94	16333	0.1000	0.1077	
16 Fluorene	166	5.671	5.676	-0.005	97	18131	0.1000	0.1053	
17 Phenanthrene	178	6.714	6.719	-0.005	97	27373	0.1000	0.1092	
18 Anthracene	178	6.773	6.778	-0.005	99	24100	0.1000	0.1008	
19 Fluoranthene	202	8.035	8.040	-0.005	98	27813	0.1000	0.1067	
20 Pyrene	202	8.276	8.281	-0.005	97	27132	0.1000	0.1065	
21 Benzo[a]anthracene	228	9.570	9.581	-0.011	98	25012	0.1000	0.1070	
22 Chrysene	228	9.607	9.618	-0.011	99	25460	0.1000	0.1318	
23 Benzo[b]fluoranthene	252	10.608	10.618	-0.010	98	24014	0.1000	0.0995	
24 Benzo[k]fluoranthene	252	10.634	10.645	-0.011	99	27556	0.1000	0.1127	
25 Benzo[a]pyrene	252	10.891	10.902	-0.011	97	22480	0.1000	0.1056	
26 Indeno[1,2,3-cd]pyrene	276	11.977	11.993	-0.016	99	24715	0.1000	0.1075	
27 Dibenz(a,h)anthracene	278	12.004	12.014	-0.010	95	19578	0.1000	0.1045	
28 Benzo[g,h,i]perylene	276	12.271	12.293	-0.022	98	22735	0.1000	0.1121	

Reagents:

SMLLPAH0.1LVI_00024 Amount Added: 1.00 Units: mL

Report Date: 04-Feb-2015 09:13:56 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0303.D

Injection Date: 03-Feb-2015 17:02:30 Instrument ID: CMSY Operator ID:

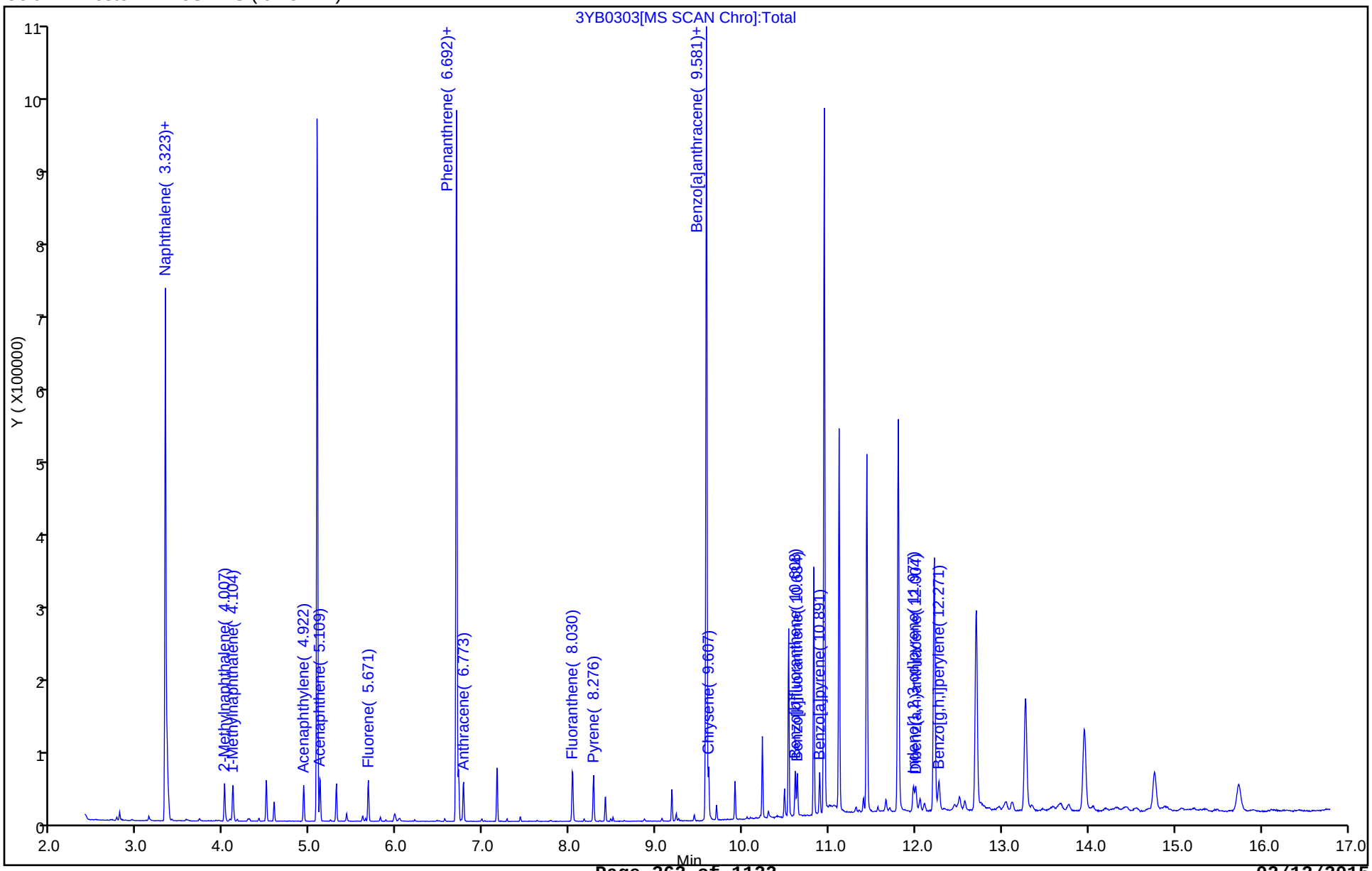
Lims ID: IC Worklist Smp#: 3

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\20150203-16804.b\3YB0304.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 03-Feb-2015 17:25:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0016804-004
Operator ID: Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Feb-2015 09:13:55 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 03-Feb-2015 17:44:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.323	3.323	0.000	99	374606	2.00	2.00	
* 2 Acenaphthene-d10	164	5.083	5.077	0.006	92	229768	2.00	2.00	
* 3 Phenanthrene-d10	188	6.698	6.693	0.005	98	397785	2.00	2.00	
* 4 Chrysene-d12	240	9.602	9.586	0.016	99	399216	2.00	2.00	
* 5 Perylene-d12	264	10.955	10.945	0.010	98	363933	2.00	2.00	
$ 6 o-Terphenyl	230	7.174	7.163	0.011	90	2896038	20.0	20.1	
7 Naphthalene	128	3.350	3.344	0.006	99	4352614	20.0	20.1	
9 2-Methylnaphthalene	142	4.018	4.008	0.010	86	3083532	20.0	20.7	
10 1-Methylnaphthalene	142	4.114	4.104	0.010	93	2760865	20.0	20.8	
12 Acenaphthylene	152	4.938	4.928	0.010	98	4692708	20.0	20.5	
14 Acenaphthene	153	5.125	5.115	0.010	94	2958307	20.0	19.9	
16 Fluorene	166	5.687	5.676	0.011	96	3383932	20.0	20.0	
17 Phenanthrene	178	6.735	6.719	0.016	97	4897105	20.0	19.9	
18 Anthracene	178	6.789	6.778	0.011	99	4795155	20.0	20.5	
19 Fluoranthene	202	8.056	8.040	0.016	98	5234139	20.0	20.5	
20 Pyrene	202	8.297	8.281	0.016	97	5299940	20.0	19.8	
21 Benzo[a]anthracene	228	9.597	9.581	0.016	98	4954099	20.0	20.1	
22 Chrysene	228	9.634	9.618	0.016	99	4448225	20.0	20.1	
23 Benzo[b]fluoranthene	252	10.634	10.618	0.016	99	5103641	20.0	21.3	
24 Benzo[k]fluoranthene	252	10.667	10.645	0.022	99	4567222	20.0	18.8	
25 Benzo[a]pyrene	252	10.918	10.902	0.016	97	4309938	20.0	20.4	
26 Indeno[1,2,3-cd]pyrene	276	12.025	11.993	0.032	99	4873307	20.0	20.1	
27 Dibenz(a,h)anthracene	278	12.052	12.014	0.038	95	4035384	20.0	21.7	
28 Benzo[g,h,i]perylene	276	12.335	12.293	0.042	98	4196097	20.0	20.8	

Reagents:

SMLLPAH20LVI_00028 Amount Added: 1.00 Units: mL

Report Date: 04-Feb-2015 09:13:55 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0304.D

Injection Date: 03-Feb-2015 17:25:30 Instrument ID: CMSY Operator ID:

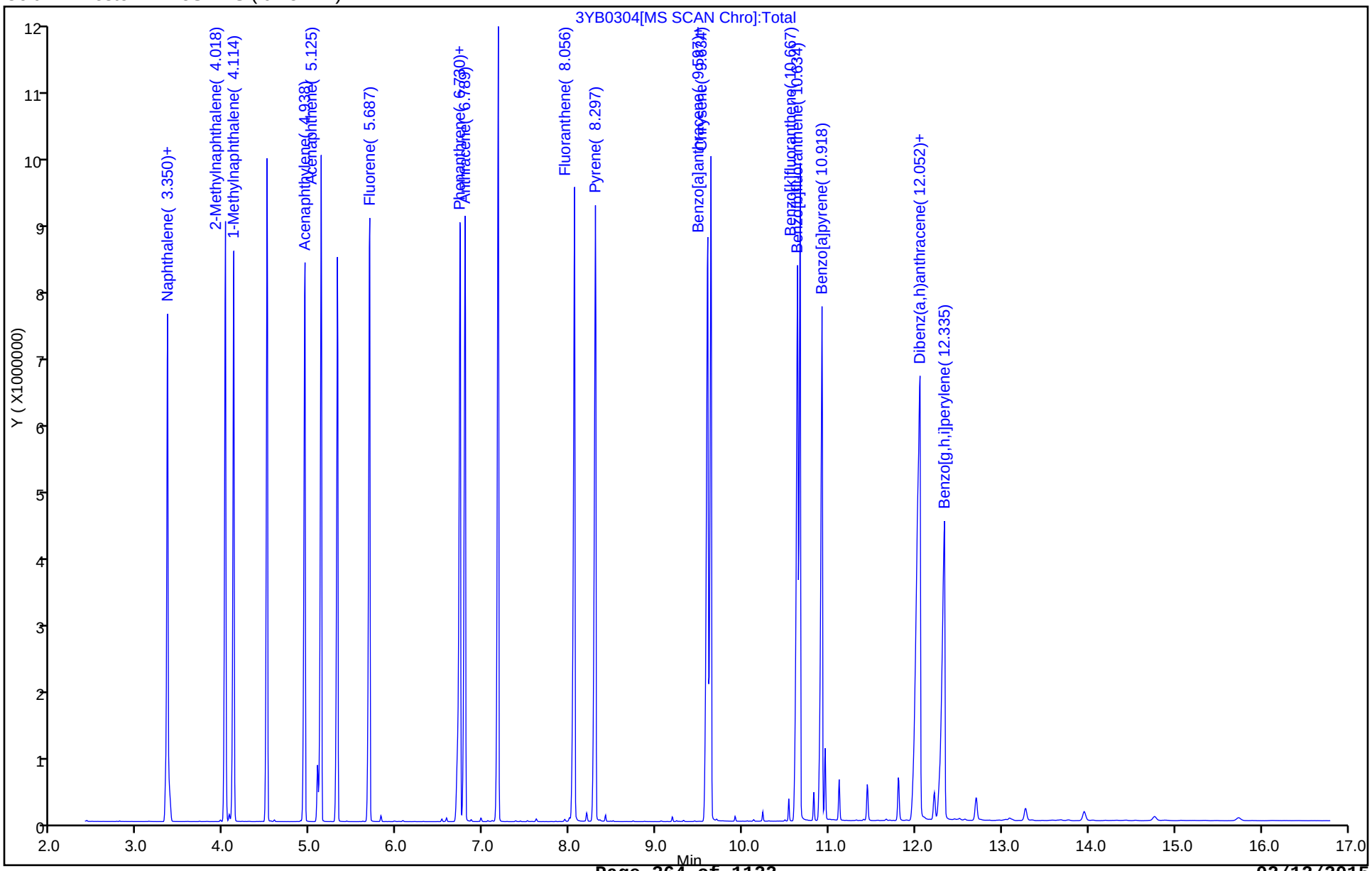
Lims ID: IC Worklist Smp#: 4

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\20150203-16804.b\3YB0305.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Feb-2015 17:48:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0016804-005
Operator ID: Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Feb-2015 09:13:53 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 04-Feb-2015 08:52:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.323	3.323	0.000	99	465296	2.00	2.00	
* 2 Acenaphthene-d10	164	5.082	5.077	0.005	92	274964	2.00	2.00	
* 3 Phenanthrene-d10	188	6.692	6.693	-0.001	98	465246	2.00	2.00	
* 4 Chrysene-d12	240	9.597	9.586	0.011	99	473162	2.00	2.00	
* 5 Perylene-d12	264	10.950	10.945	0.005	97	438339	2.00	2.00	
$ 6 o-Terphenyl	230	7.168	7.163	0.005	90	1449306	10.0	9.45	
7 Naphthalene	128	3.344	3.344	0.000	99	2328163	10.0	8.64	
9 2-Methylnaphthalene	142	4.013	4.008	0.005	84	1599588	10.0	8.64	
10 1-Methylnaphthalene	142	4.109	4.104	0.005	89	1419559	10.0	8.60	
12 Acenaphthylene	152	4.933	4.928	0.005	97	2402408	10.0	8.76	
14 Acenaphthene	153	5.120	5.115	0.005	94	1524757	10.0	8.57	
16 Fluorene	166	5.676	5.676	0.000	85	1755395	10.0	8.69	
17 Phenanthrene	178	6.725	6.719	0.006	97	2443657	10.0	8.51	
18 Anthracene	178	6.783	6.778	0.005	98	2393422	10.0	8.74	
19 Fluoranthene	202	8.046	8.040	0.006	98	2627673	10.0	8.80	
20 Pyrene	202	8.292	8.281	0.011	97	2688180	10.0	8.46	
21 Benzo[a]anthracene	228	9.586	9.581	0.005	98	2473435	10.0	8.49	
22 Chrysene	228	9.623	9.618	0.005	96	2395652	10.0	9.54	
23 Benzo[b]fluoranthene	252	10.624	10.618	0.006	98	2474868	10.0	8.56	
24 Benzo[k]fluoranthene	252	10.650	10.645	0.005	91	2538915	10.0	8.68	
25 Benzo[a]pyrene	252	10.907	10.902	0.005	96	2235745	10.0	8.77	
26 Indeno[1,2,3-cd]pyrene	276	12.004	11.993	0.011	98	2418593	10.0	8.43	
27 Dibenz(a,h)anthracene	278	12.030	12.014	0.016	97	1964309	10.0	8.76	
28 Benzo[g,h,i]perylene	276	12.309	12.293	0.015	93	2009794	10.0	8.28	

Reagents:

SMLLPAH10LVI_00024 Amount Added: 1.00 Units: mL

Report Date: 04-Feb-2015 09:13:53 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0305.D

Injection Date: 03-Feb-2015 17:48:30 Instrument ID: CMSY Operator ID:

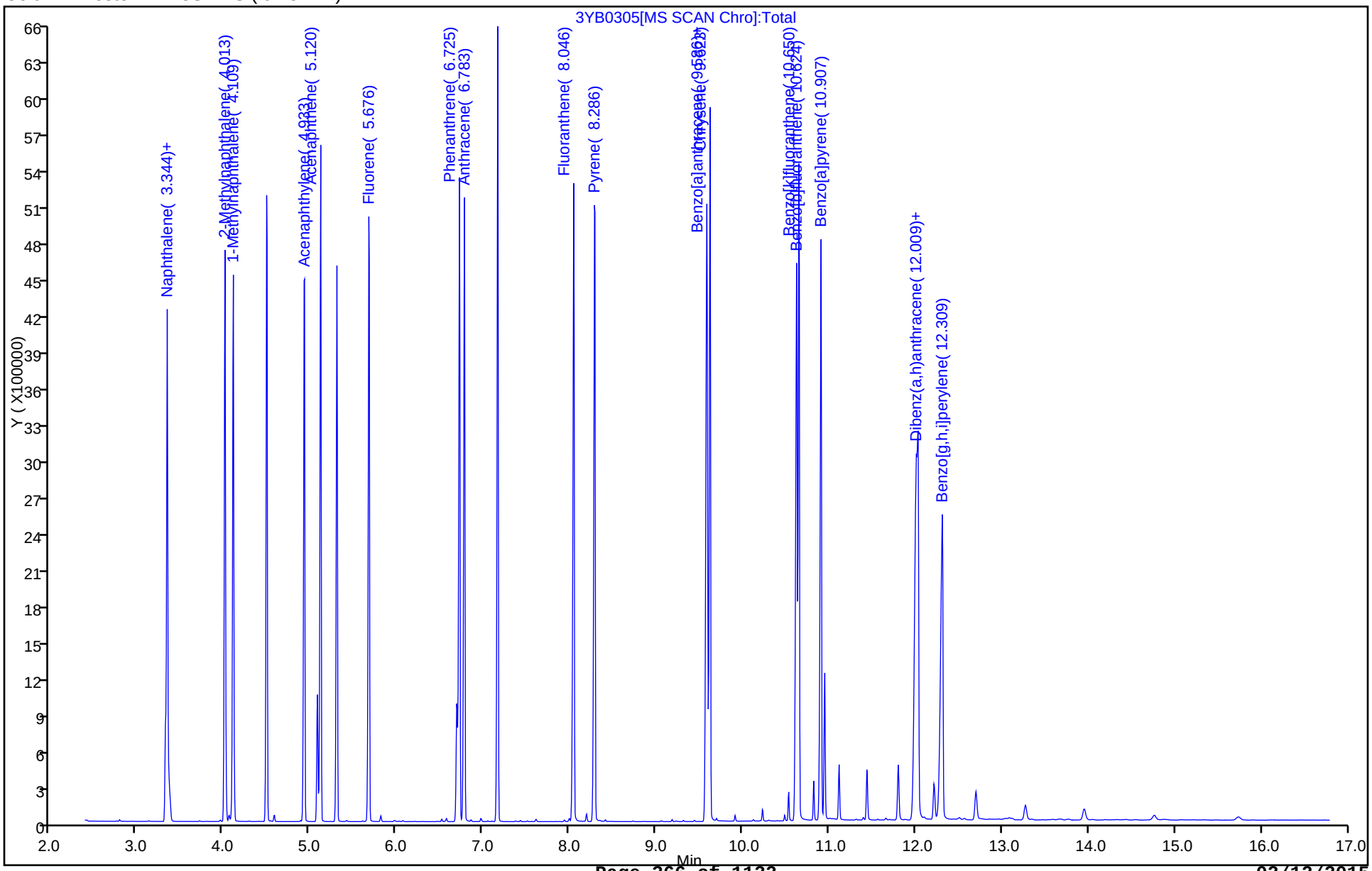
Lims ID: IC Worklist Smp#: 5

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\20150203-16804.b\3YB0306.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 03-Feb-2015 18:11:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0016804-006
Operator ID: Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Feb-2015 09:13:51 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 04-Feb-2015 08:52:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.323	3.323	0.000	98	405099	2.00	2.00	
* 2 Acenaphthene-d10	164	5.077	5.077	0.000	93	237577	2.00	2.00	
* 3 Phenanthrene-d10	188	6.692	6.693	-0.001	98	418486	2.00	2.00	
* 4 Chrysene-d12	240	9.581	9.586	-0.005	99	397486	2.00	2.00	
* 5 Perylene-d12	264	10.945	10.945	0.000	98	378698	2.00	2.00	
$ 6 o-Terphenyl	230	7.158	7.163	-0.005	89	173092	1.00	1.47	
7 Naphthalene	128	3.339	3.344	-0.005	99	260379	1.00	1.11	
9 2-Methylnaphthalene	142	4.007	4.008	-0.001	84	178579	1.00	1.11	
10 1-Methylnaphthalene	142	4.104	4.104	0.000	89	158958	1.00	1.11	
12 Acenaphthylene	152	4.922	4.928	-0.006	96	271567	1.00	1.15	
14 Acenaphthene	153	5.115	5.115	0.000	88	172347	1.00	1.12	
16 Fluorene	166	5.671	5.676	-0.005	84	196390	1.00	1.13	
17 Phenanthrene	178	6.714	6.719	-0.005	97	287394	1.00	1.11	
18 Anthracene	178	6.773	6.778	-0.005	98	278490	1.00	1.13	
19 Fluoranthene	202	8.035	8.040	-0.005	98	297734	1.00	1.11	
20 Pyrene	202	8.276	8.281	-0.005	97	311866	1.00	1.17	
21 Benzo[a]anthracene	228	9.575	9.581	-0.006	98	276435	1.00	1.13	
22 Chrysene	228	9.607	9.618	-0.011	96	268758	1.00	1.32	
23 Benzo[b]fluoranthene	252	10.608	10.618	-0.010	98	293370	1.00	1.17	
24 Benzo[k]fluoranthene	252	10.634	10.645	-0.011	99	278041	1.00	1.10	
25 Benzo[a]pyrene	252	10.891	10.902	-0.011	97	240825	1.00	1.09	
26 Indeno[1,2,3-cd]pyrene	276	11.977	11.993	-0.016	99	252327	1.00	1.05	
27 Dibenz(a,h)anthracene	278	12.004	12.014	-0.010	96	198877	1.00	1.03	
28 Benzo[g,h,i]perylene	276	12.276	12.293	-0.017	88	219130	1.00	1.04	

Reagents:

SMLLPAH1.0LVI_00022 Amount Added: 1.00 Units: mL

Report Date: 04-Feb-2015 09:13:52 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0306.D

Injection Date: 03-Feb-2015 18:11:30 Instrument ID: CMSY Operator ID:

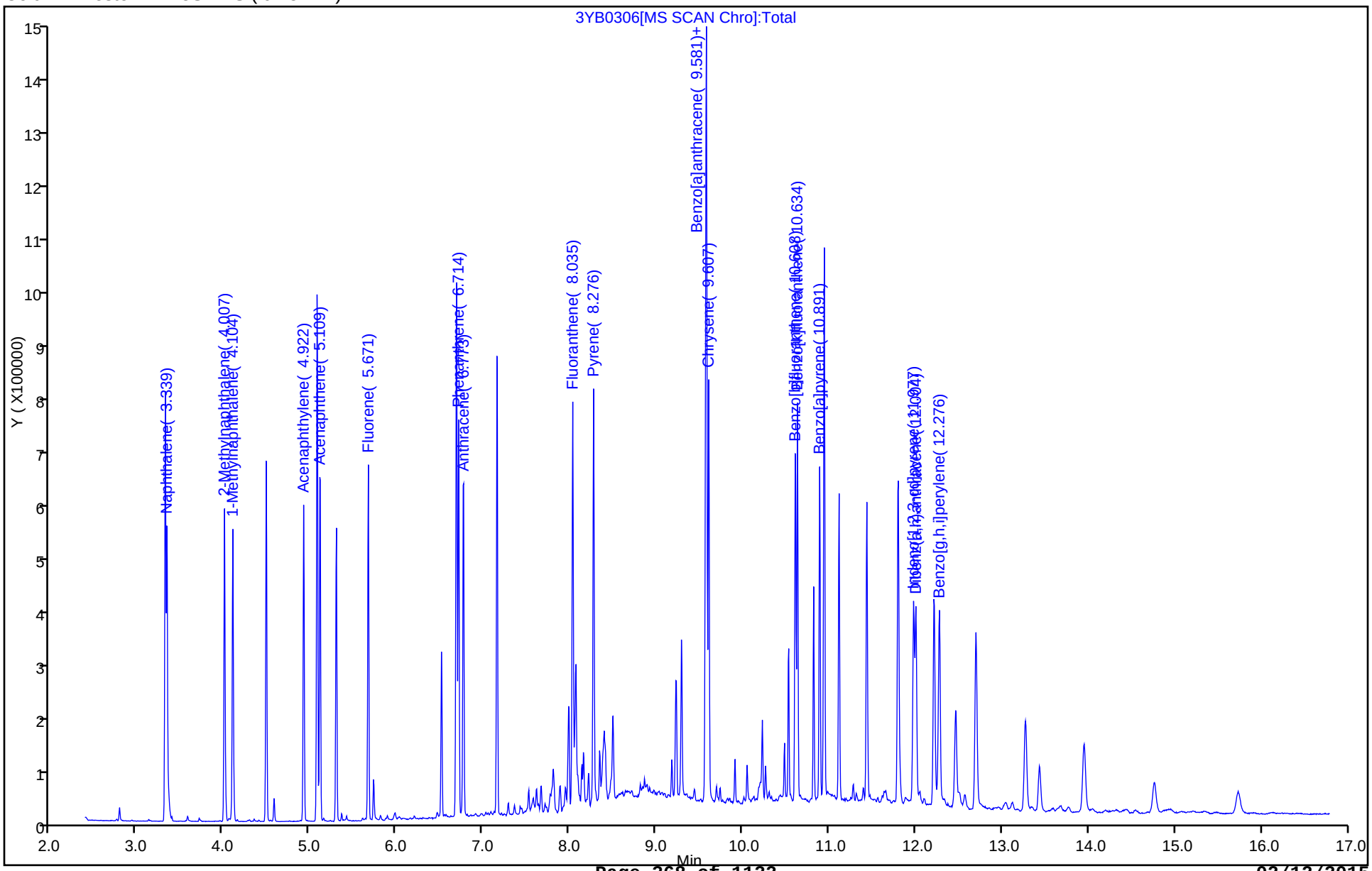
Lims ID: IC Worklist Smp#: 6

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270D_LLPAH_MSY Limit Group: 8270D_LL_PAH

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0307.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 03-Feb-2015 18:34:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0016804-007
Operator ID: Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Feb-2015 09:13:50 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 04-Feb-2015 08:52:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.323	3.323	0.000	99	394280	2.00	2.00	
* 2 Acenaphthene-d10	164	5.077	5.077	0.000	92	235457	2.00	2.00	
* 3 Phenanthrene-d10	188	6.687	6.693	-0.006	98	398760	2.00	2.00	
* 4 Chrysene-d12	240	9.581	9.586	-0.005	99	391805	2.00	2.00	
* 5 Perylene-d12	264	10.945	10.945	0.000	98	367437	2.00	2.00	
$ 6 o-Terphenyl	230	7.158	7.163	-0.005	86	73434	0.5000	0.6385	
7 Naphthalene	128	3.339	3.344	-0.005	99	114036	0.5000	0.4992	
9 2-Methylnaphthalene	142	4.007	4.008	-0.001	82	78172	0.5000	0.4983	
10 1-Methylnaphthalene	142	4.104	4.104	0.000	88	68061	0.5000	0.4864	
12 Acenaphthylene	152	4.922	4.928	-0.006	96	113738	0.5000	0.4843	
14 Acenaphthene	153	5.109	5.115	-0.006	83	75238	0.5000	0.4938	
16 Fluorene	166	5.671	5.676	-0.005	84	85617	0.5000	0.4950	
17 Phenanthrene	178	6.714	6.719	-0.005	96	122457	0.5000	0.4976	
18 Anthracene	178	6.767	6.778	-0.011	96	117594	0.5000	0.5009	
19 Fluoranthene	202	8.035	8.040	-0.005	98	124542	0.5000	0.4865	
20 Pyrene	202	8.276	8.281	-0.005	97	130190	0.5000	0.4950	
21 Benzo[a]anthracene	228	9.570	9.581	-0.011	99	118618	0.5000	0.4915	
22 Chrysene	228	9.607	9.618	-0.011	96	114011	0.5000	0.5705	
23 Benzo[b]fluoranthene	252	10.608	10.618	-0.010	96	114175	0.5000	0.4713	
24 Benzo[k]fluoranthene	252	10.634	10.645	-0.011	95	124065	0.5000	0.5057	
25 Benzo[a]pyrene	252	10.891	10.902	-0.011	97	104504	0.5000	0.4893	
26 Indeno[1,2,3-cd]pyrene	276	11.977	11.993	-0.016	99	109867	0.5000	0.4626	
27 Dibenz(a,h)anthracene	278	11.998	12.014	-0.016	95	86805	0.5000	0.4618	
28 Benzo[g,h,i]perylene	276	12.271	12.293	-0.022	87	95784	0.5000	0.4706	

Reagents:

SMLLPAH0.5LVI_00024 Amount Added: 1.00 Units: mL

Report Date: 04-Feb-2015 09:13:51 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0307.D

Injection Date: 03-Feb-2015 18:34:30 Instrument ID: CMSY Operator ID:

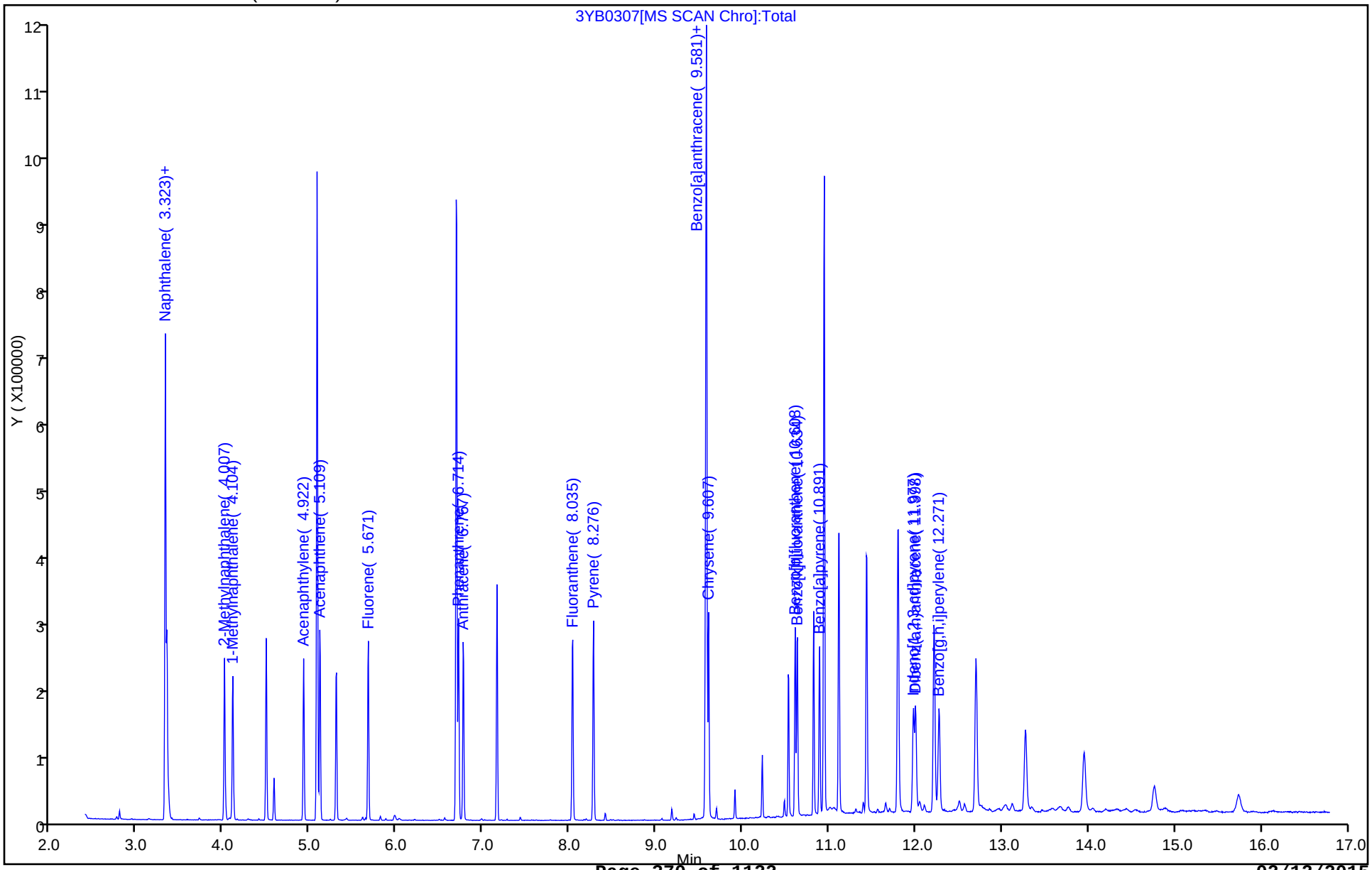
Lims ID: IC Worklist Smp#: 7

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\20150203-16804.b\3YB0308.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 03-Feb-2015 18:57:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 680-0016804-008
Operator ID: Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Feb-2015 09:13:49 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 04-Feb-2015 08:55:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.323	3.323	0.000	99	418224	2.00	2.00	
* 2 Acenaphthene-d10	164	5.077	5.077	0.000	92	242598	2.00	2.00	
* 3 Phenanthrene-d10	188	6.687	6.693	-0.006	98	415062	2.00	2.00	
* 4 Chrysene-d12	240	9.581	9.586	-0.005	99	406027	2.00	2.00	
* 5 Perylene-d12	264	10.945	10.945	0.000	99	410031	2.00	2.00	
$ 6 o-Terphenyl	230	7.158	7.163	-0.005	91	29902	0.2000	0.2520	
7 Naphthalene	128	3.339	3.344	-0.005	99	47606	0.2000	0.1965	
9 2-Methylnaphthalene	142	4.007	4.008	-0.001	87	32153	0.2000	0.1932	
10 1-Methylnaphthalene	142	4.098	4.104	-0.006	93	28581	0.2000	0.1926	
12 Acenaphthylene	152	4.922	4.928	-0.006	98	46432	0.2000	0.1919	
14 Acenaphthene	153	5.109	5.115	-0.006	94	30888	0.2000	0.1968	
16 Fluorene	166	5.665	5.676	-0.011	96	34598	0.2000	0.1941	
17 Phenanthrene	178	6.714	6.719	-0.005	97	50389	0.2000	0.1967	
18 Anthracene	178	6.767	6.778	-0.011	99	47995	0.2000	0.1964	
19 Fluoranthene	202	8.030	8.040	-0.010	98	50944	0.2000	0.1912	
20 Pyrene	202	8.276	8.281	-0.005	97	53668	0.2000	0.1969	
21 Benzo[a]anthracene	228	9.570	9.581	-0.011	99	49460	0.2000	0.1978	
22 Chrysene	228	9.607	9.618	-0.011	99	49992	0.2000	0.2417	
23 Benzo[b]fluoranthene	252	10.608	10.618	-0.010	99	51461	0.2000	0.1904	
24 Benzo[k]fluoranthene	252	10.629	10.645	-0.016	99	54527	0.2000	0.1992	
25 Benzo[a]pyrene	252	10.891	10.902	-0.011	98	46682	0.2000	0.1959	
26 Indeno[1,2,3-cd]pyrene	276	11.972	11.993	-0.021	99	51714	0.2000	0.2101	
27 Dibenz(a,h)anthracene	278	11.998	12.014	-0.016	95	42656	0.2000	0.2034	
28 Benzo[g,h,i]perylene	276	12.271	12.293	-0.022	98	46200	0.2000	0.2034	

Reagents:

SMLLPAH0.2LVI_00023 Amount Added: 1.00 Units: mL

Report Date: 04-Feb-2015 09:13:49 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Injection Date: 03-Feb-2015 18:57:30 Instrument ID: CMSY Operator ID:

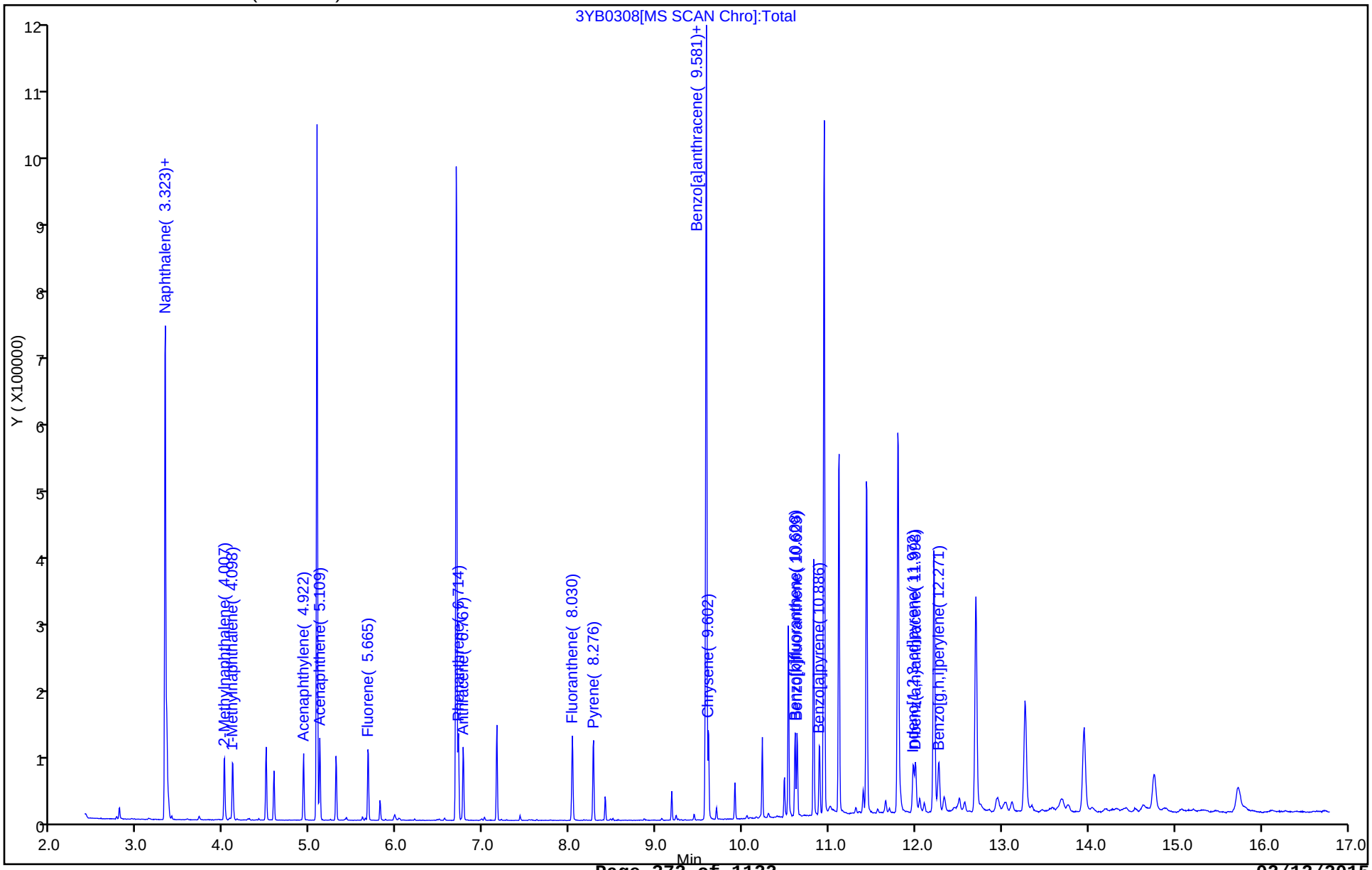
Lims ID: IC Worklist Smp#: 8

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8270D_LLPAH_MSY Limit Group: 8270D_LL_PAH

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



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID (1): CCVIS 680-369912/2 Instrument ID (1): CMSK

GC Column (1): RXi- 5Sil MS ID: 0.25(mm) Date Analyzed (1): 02/06/2015 12:54

ANALYTE	RT	RESOLUTION (%)
Naphthalene	4.14	100.0
2-Methylnaphthalene	4.83	100.0
1-Methylnaphthalene	4.93	100.0
Acenaphthylene	5.76	100.0
Acenaphthene	5.95	100.0
Fluorene	6.51	100.0
Phenanthrene	7.55	100.0
Anthracene	7.61	100.0
o-Terphenyl	7.97	100.0
Fluoranthene	8.86	100.0
Pyrene	9.10	100.0
Benzo[a]anthracene	10.34	100.0
Chrysene	10.38	100.0
Benzo[b]fluoranthene	11.41	24.60
Benzo[k]fluoranthene	11.44	100.0
Benzo[a]pyrene	11.76	100.0
Indeno[1,2,3-cd]pyrene	13.24	100.0
Dibenz(a,h)anthracene	13.27	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID (1): CCVIS 680-369958/2 Instrument ID (1): CMSY

GC Column (1): RXi- 5Sil MS ID: 0.25(mm) Date Analyzed (1): 02/06/2015 16:31

ANALYTE	RT	RESOLUTION (%)
Naphthalene	3.13	100.0
2-Methylnaphthalene	3.78	100.0
1-Methylnaphthalene	3.88	100.0
Acenaphthylene	4.69	100.0
Acenaphthene	4.87	100.0
Fluorene	5.43	100.0
Phenanthrene	6.46	100.0
Anthracene	6.52	100.0
o-Terphenyl	6.91	100.0
Fluoranthene	7.77	100.0
Pyrene	8.01	100.0
Benzo[a]anthracene	9.32	100.0
Chrysene	9.36	100.0
Benzo[b]fluoranthene	10.36	31.30
Benzo[k]fluoranthene	10.38	100.0
Benzo[a]pyrene	10.63	100.0
Indeno[1,2,3-cd]pyrene	11.61	100.0
Dibenz(a,h)anthracene	11.64	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID (1): CCVIS 680-369988/3 Instrument ID (1): CMSK

GC Column (1): RXi- 5Sil MS ID: 0.25(mm) Date Analyzed (1): 02/07/2015 10:20

ANALYTE	RT	RESOLUTION (%)
Naphthalene	4.11	100.0
2-Methylnaphthalene	4.79	100.0
1-Methylnaphthalene	4.89	100.0
Acenaphthylene	5.73	100.0
Acenaphthene	5.91	100.0
Fluorene	6.47	100.0
Phenanthrene	7.52	100.0
Anthracene	7.58	100.0
o-Terphenyl	7.93	100.0
Fluoranthene	8.82	100.0
Pyrene	9.06	100.0
Benzo[a]anthracene	10.31	100.0
Chrysene	10.35	100.0
Benzo[b]fluoranthene	11.38	21.30
Benzo[k]fluoranthene	11.41	100.0
Benzo[a]pyrene	11.73	100.0
Indeno[1,2,3-cd]pyrene	13.19	100.0
Dibenz(a,h)anthracene	13.22	100.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID: ICV 680-369458/10 Calibration Date: 02/04/2015 11:59

Instrument ID: CMSK Calib Start Date: 02/04/2015 09:19

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 02/04/2015 11:35

Lab File ID: 1KB0410.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.145	1.069	0.7000	4.67	5.00	-6.7	30.0
2-Methylnaphthalene	Ave	0.7183	0.6685	0.4000	4.65	5.00	-6.9	30.0
1-Methylnaphthalene	Ave	0.6502	0.6345		4.88	5.00	-2.4	30.0
Acenaphthylene	Ave	1.928	1.837	0.9000	4.76	5.00	-4.7	30.0
Acenaphthene	Ave	1.252	1.181	0.9000	4.72	5.00	-5.6	30.0
Fluorene	Ave	1.322	1.293	0.9000	4.89	5.00	-2.3	30.0
Phenanthrene	Ave	1.246	1.129	0.7000	4.53	5.00	-9.4	30.0
Anthracene	Ave	1.151	1.139	0.7000	4.95	5.00	-1.0	30.0
Fluoranthene	Ave	1.295	1.232	0.6000	4.76	5.00	-4.8	30.0
Pyrene	Ave	1.612	1.483	0.6000	4.60	5.00	-8.0	30.0
Benzo[a]anthracene	Ave	1.290	1.184	0.7000	4.59	5.00	-8.2	30.0
Chrysene	Ave	1.237	1.131	0.7000	4.57	5.00	-8.5	30.0
Benzo[b]fluoranthene	Ave	1.393	1.259	0.4000	4.52	5.00	-9.6	30.0
Benzo[k]fluoranthene	Ave	1.352	1.348	0.4000	4.99	5.00	-0.3	30.0
Benzo[a]pyrene	Ave	1.201	1.093	0.4000	4.55	5.00	-9.0	30.0
Indeno[1,2,3-cd]pyrene	QuaF		0.9924	0.2000	4.62	5.00	-7.6	30.0
Dibenz(a,h)anthracene	QuaF		0.9412	0.2000	4.95	5.00	-1.0	30.0
Benzo[g,h,i]perylene	QuaF		1.004	0.2000	4.97	5.00	-0.5	30.0
o-Terphenyl	QuaF		0.8048		4.98	5.00	-0.5	30.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0410.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 04-Feb-2015 11:59:30 ALS Bottle#: 9 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 680-0016805-010
Operator ID: Instrument ID: CMSK
Sublist:

Method: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 06-Feb-2015 08:36:19 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 05-Feb-2015 17:24:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.208	4.208	0.000	99	405061	2.00	2.00	
* 2 Acenaphthene-d10	164	6.006	6.006	0.000	92	219482	2.00	2.00	
* 3 Phenanthrene-d10	188	7.622	7.621	0.001	99	331080	2.00	2.00	
* 4 Chrysene-d12	240	10.442	10.448	-0.006	99	280256	2.00	2.00	
* 5 Perylene-d12	264	11.946	11.958	-0.012	98	245214	2.00	2.00	
$ 6 o-Terphenyl	230	8.062	8.062	0.000	90	563889	5.00	4.98	
10 1,1'-Biphenyl	154	5.395	3.657	1.738	99	688067	5.00	4.18	
7 Naphthalene	128	4.231	4.231	0.000	99	1082423	5.00	4.67	
13 Dibenzofuran	168	6.223	4.397	1.826	99	738956	5.00	4.25	
9 2-Methylnaphthalene	142	4.913	4.913	0.000	85	676906	5.00	4.65	
8 1-Methylnaphthalene	142	5.013	5.013	0.000	93	642526	5.00	4.88	
11 Acenaphthylene	152	5.853	5.853	0.000	97	1008132	5.00	4.76	
12 Acenaphthene	153	6.041	6.041	0.000	96	648132	5.00	4.72	
14 Fluorene	166	6.599	6.599	0.000	95	709240	5.00	4.89	
15 Phenanthrene	178	7.645	7.651	-0.006	98	934489	5.00	4.53	
16 Anthracene	178	7.704	7.704	0.000	98	942986	5.00	4.95	
17 Fluoranthene	202	8.949	8.949	0.000	98	1020102	5.00	4.76	
18 Pyrene	202	9.190	9.190	0.000	97	1039378	5.00	4.60	
19 Benzo[a]anthracene	228	10.436	10.436	0.000	98	829302	5.00	4.59	
20 Chrysene	228	10.471	10.477	-0.006	97	792548	5.00	4.57	
21 Benzo[b]fluoranthene	252	11.517	11.529	-0.012	98	772068	5.00	4.52	
22 Benzo[k]fluoranthene	252	11.546	11.558	-0.012	99	826419	5.00	4.99	
23 Benzo[a]pyrene	252	11.881	11.899	-0.018	97	670210	5.00	4.55	
24 Indeno[1,2,3-cd]pyrene	276	13.415	13.432	-0.017	98	695318	5.00	4.62	
25 Dibenz(a,h)anthracene	278	13.444	13.462	-0.018	95	576961	5.00	4.95	
26 Benzo[g,h,i]perylene	276	13.856	13.873	-0.017	98	615307	5.00	4.97	

Reagents:

SMLLPAHICVLVI_00034 Amount Added: 1.00 Units: mL

Report Date: 06-Feb-2015 08:36:20 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0410.D

Injection Date: 04-Feb-2015 11:59:30 Instrument ID: CMSK Operator ID:

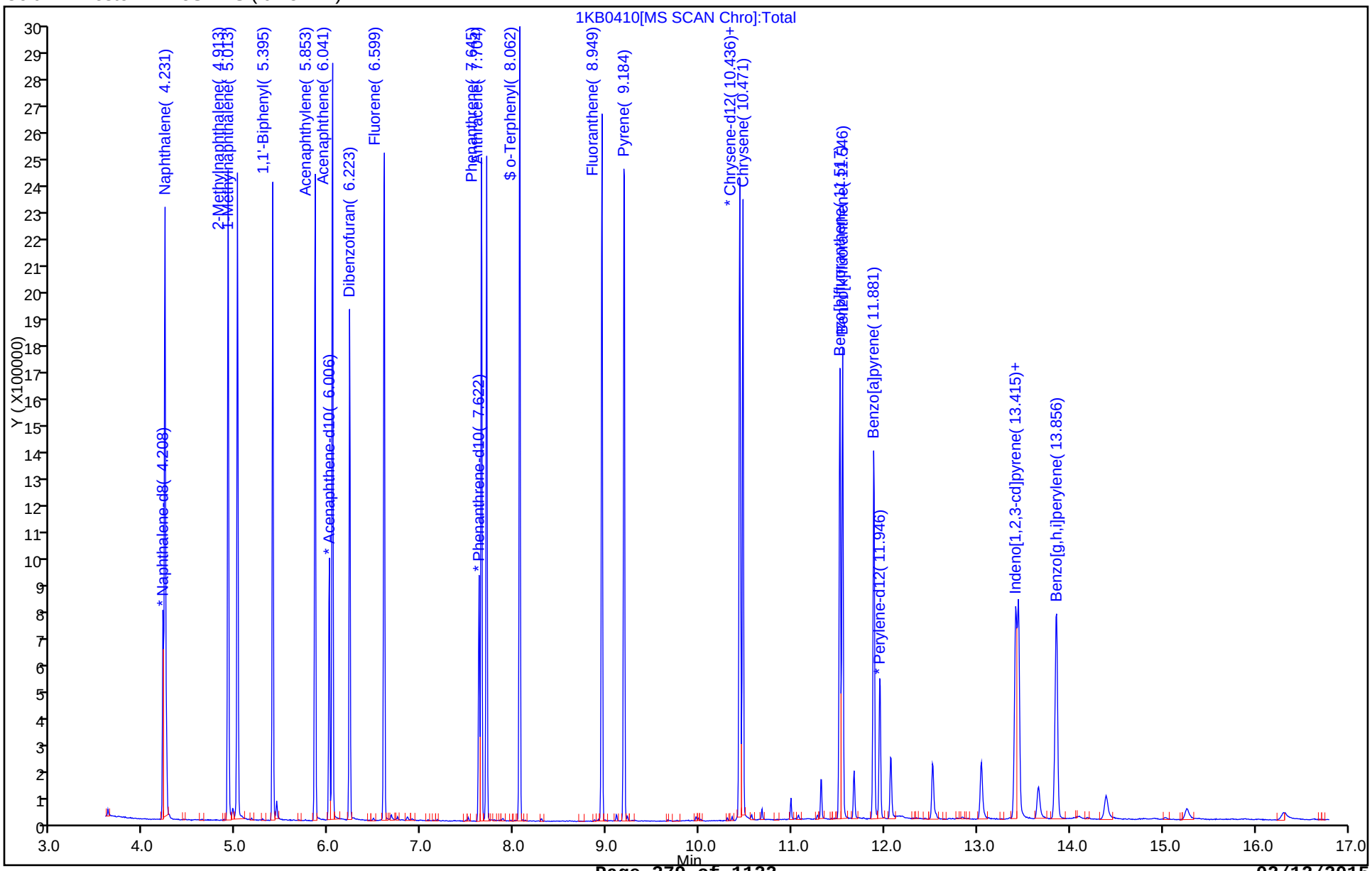
Lims ID: ICV Worklist Smp#: 10

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

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



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID: CCVIS 680-369912/2 Calibration Date: 02/06/2015 12:54

Instrument ID: CMSK Calib Start Date: 02/04/2015 09:19

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 02/04/2015 11:35

Lab File ID: 1KB0602.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.145	1.110	0.7000	4.85	5.00	-3.1	20.0
2-Methylnaphthalene	Ave	0.7183	0.7060	0.4000	4.91	5.00	-1.7	20.0
1-Methylnaphthalene	Ave	0.6502	0.6289		4.84	5.00	-3.3	20.0
Acenaphthylene	Ave	1.928	1.932	0.9000	5.01	5.00	0.2	20.0
Acenaphthene	Ave	1.252	1.222	0.9000	4.88	5.00	-2.4	20.0
Fluorene	Ave	1.322	1.337	0.9000	5.05	5.00	1.1	20.0
Phenanthrene	Ave	1.246	1.205	0.7000	4.84	5.00	-3.3	20.0
Anthracene	Ave	1.151	1.132	0.7000	4.92	5.00	-1.7	20.0
Fluoranthene	Ave	1.295	1.305	0.6000	5.04	5.00	0.8	20.0
Pyrene	Ave	1.612	1.493	0.6000	4.63	5.00	-7.4	20.0
Benzo[a]anthracene	Ave	1.290	1.241	0.7000	4.81	5.00	-3.8	20.0
Chrysene	Ave	1.237	1.216	0.7000	4.91	5.00	-1.7	20.0
Benzo[b]fluoranthene	Ave	1.393	1.391	0.4000	4.99	5.00	-0.1	20.0
Benzo[k]fluoranthene	Ave	1.352	1.336	0.4000	4.94	5.00	-1.2	20.0
Benzo[a]pyrene	Ave	1.201	1.179	0.4000	4.91	5.00	-1.8	20.0
Indeno[1,2,3-cd]pyrene	QuaF		1.121	0.2000	5.19	5.00	3.8	20.0
Dibenz(a,h)anthracene	QuaF		0.9948	0.2000	5.22	5.00	4.4	20.0
Benzo[g,h,i]perylene	QuaF		1.055	0.2000	5.22	5.00	4.3	20.0
o-Terphenyl	QuaF		0.9016		5.55	5.00	11.0	20.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0602.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Feb-2015 12:54:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 680-0016900-002
Operator ID: Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub1

Method: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 09:08:18 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 06-Feb-2015 13:42:27

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	4.126	4.126	0.000	99	414764	2.00	2.00	
* 2 Acenaphthene-d10	164	5.912	5.912	0.000	91	217761	2.00	2.00	
* 3 Phenanthrene-d10	188	7.527	7.527	0.000	99	321111	2.00	2.00	
* 4 Chrysene-d12	240	10.354	10.354	0.000	99	286978	2.00	2.00	
* 5 Perylene-d12	264	11.823	11.823	0.000	98	261909	2.00	2.00	
$ 6 o-Terphenyl	230	7.968	7.968	0.000	90	646851	5.00	5.55	
7 Naphthalene	128	4.143	4.143	0.000	99	1151144	5.00	4.85	
9 2-Methylnaphthalene	142	4.825	4.825	0.000	85	732084	5.00	4.91	
8 1-Methylnaphthalene	142	4.925	4.925	0.000	93	652056	5.00	4.84	
10 1,1'-Biphenyl	154	5.307	5.307	0.000	99	853578	5.00	5.23	
11 Acenaphthylene	152	5.759	5.759	0.000	97	1051694	5.00	5.01	
12 Acenaphthene	153	5.947	5.947	0.000	95	665205	5.00	4.88	
13 Dibenzofuran	168	6.135	6.135	0.000	99	906710	5.00	5.25	
14 Fluorene	166	6.505	6.505	0.000	96	727629	5.00	5.05	
15 Phenanthrene	178	7.551	7.551	0.000	96	967645	5.00	4.84	
16 Anthracene	178	7.610	7.610	0.000	98	908402	5.00	4.92	
17 Fluoranthene	202	8.855	8.855	0.000	98	1047512	5.00	5.04	
18 Pyrene	202	9.096	9.096	0.000	97	1071366	5.00	4.63	
19 Benzo[a]anthracene	228	10.342	10.342	0.000	98	889993	5.00	4.81	
20 Chrysene	228	10.377	10.377	0.000	97	872079	5.00	4.91	
21 Benzo[b]fluoranthene	252	11.405	11.405	0.000	98	910741	5.00	4.99	
22 Benzo[k]fluoranthene	252	11.435	11.435	0.000	98	874806	5.00	4.94	
23 Benzo[a]pyrene	252	11.764	11.764	0.000	97	772283	5.00	4.91	
24 Indeno[1,2,3-cd]pyrene	276	13.239	13.239	0.000	98	803967	5.00	5.19	
25 Dibenz(a,h)anthracene	278	13.268	13.268	0.000	95	651370	5.00	5.22	
26 Benzo[g,h,i]perylene	276	13.662	13.662	0.000	97	690974	5.00	5.22	

Reagents:

SMLLPAH5.0LVI_00027 Amount Added: 1.00 Units: mL

Report Date: 07-Feb-2015 09:08:19 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0602.D

Injection Date: 06-Feb-2015 12:54:30 Instrument ID: CMSK Operator ID:

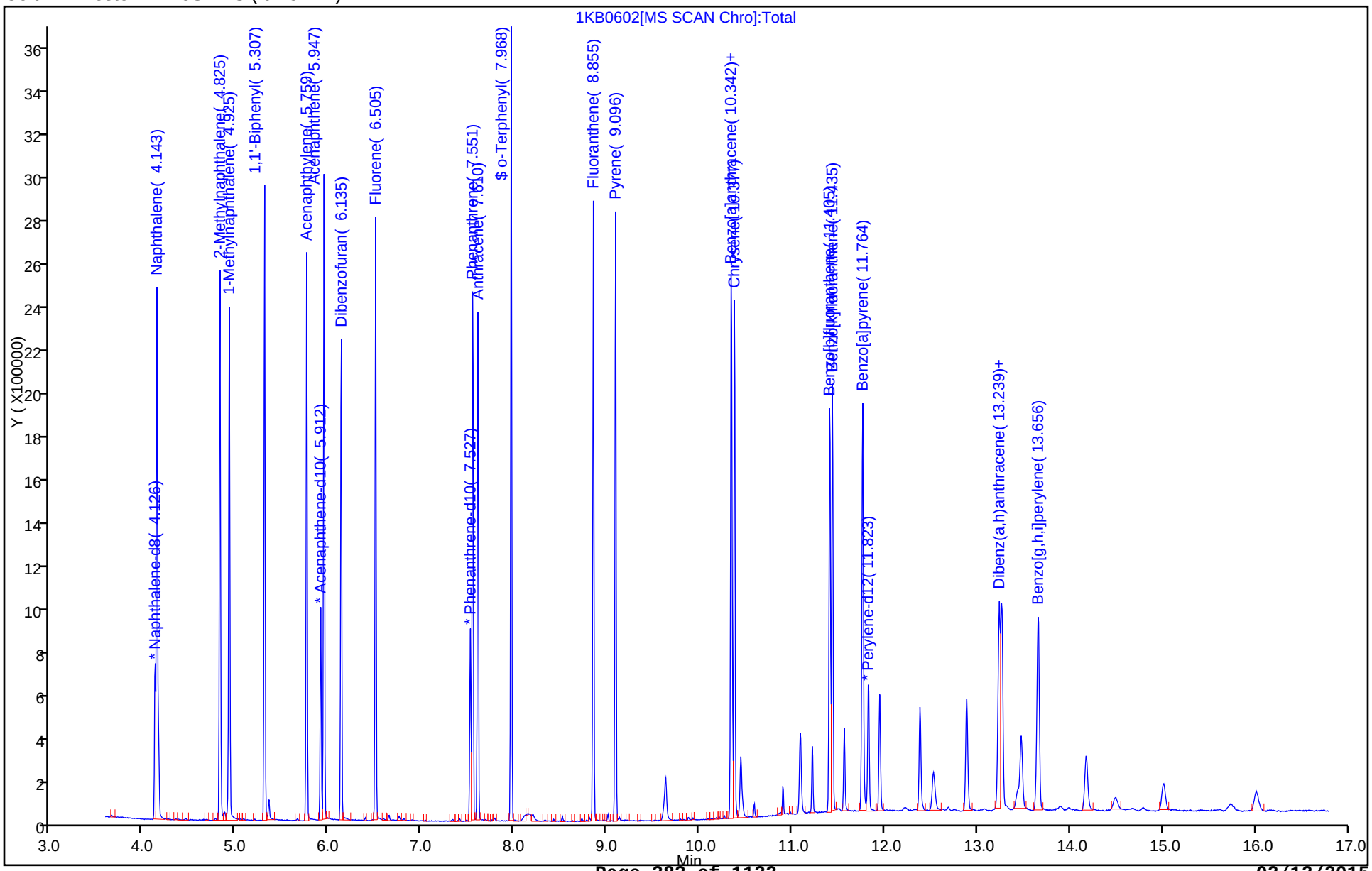
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

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



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID: CCVIS 680-369988/3 Calibration Date: 02/07/2015 10:20

Instrument ID: CMSK Calib Start Date: 02/04/2015 09:19

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 02/04/2015 11:35

Lab File ID: 1KB0703.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.145	1.104	0.7000	4.82	5.00	-3.6	20.0
2-Methylnaphthalene	Ave	0.7183	0.7007	0.4000	4.88	5.00	-2.5	20.0
1-Methylnaphthalene	Ave	0.6502	0.6286		4.83	5.00	-3.3	20.0
Acenaphthylene	Ave	1.928	1.908	0.9000	4.95	5.00	-1.1	20.0
Acenaphthene	Ave	1.252	1.197	0.9000	4.78	5.00	-4.4	20.0
Fluorene	Ave	1.322	1.300	0.9000	4.92	5.00	-1.7	20.0
Phenanthrene	Ave	1.246	1.210	0.7000	4.86	5.00	-2.9	20.0
Anthracene	Ave	1.151	1.131	0.7000	4.91	5.00	-1.7	20.0
Fluoranthene	Ave	1.295	1.311	0.6000	5.06	5.00	1.3	20.0
Pyrene	Ave	1.612	1.481	0.6000	4.60	5.00	-8.1	20.0
Benzo[a]anthracene	Ave	1.290	1.254	0.7000	4.86	5.00	-2.8	20.0
Chrysene	Ave	1.237	1.194	0.7000	4.83	5.00	-3.5	20.0
Benzo[b]fluoranthene	Ave	1.393	1.319	0.4000	4.74	5.00	-5.3	20.0
Benzo[k]fluoranthene	Ave	1.352	1.309	0.4000	4.84	5.00	-3.2	20.0
Benzo[a]pyrene	Ave	1.201	1.154	0.4000	4.80	5.00	-3.9	20.0
Indeno[1,2,3-cd]pyrene	QuaF		1.202	0.2000	5.55	5.00	10.9	20.0
Dibenz(a,h)anthracene	QuaF		0.9877	0.2000	5.18	5.00	3.7	20.0
Benzo[g,h,i]perylene	QuaF		1.071	0.2000	5.29	5.00	5.8	20.0
o-Terphenyl	QuaF		0.8919		5.49	5.00	9.9	20.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0703.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Feb-2015 10:20:30 ALS Bottle#: 2 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 680-0016917-003
Operator ID: Instrument ID: CMSK
Sublist: chrom-8270_LLPAH_CMSK*sub1

Method: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 09-Feb-2015 10:58:38 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: webbk Date: 07-Feb-2015 10:39:48

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	4.090	4.090	0.000	99	482322	2.00	2.00	
* 2 Acenaphthene-d10	164	5.882	5.882	0.000	91	249705	2.00	2.00	
* 3 Phenanthrene-d10	188	7.492	7.492	0.000	99	337205	2.00	2.00	
* 4 Chrysene-d12	240	10.324	10.324	0.000	99	307561	2.00	2.00	
* 5 Perylene-d12	264	11.793	11.793	0.000	98	302061	2.00	2.00	
$ 6 o-Terphenyl	230	7.933	7.933	0.000	90	685786	5.00	5.49	
7 Naphthalene	128	4.114	4.114	0.000	99	1331299	5.00	4.82	
9 2-Methylnaphthalene	142	4.789	4.789	0.000	85	844864	5.00	4.88	
8 1-Methylnaphthalene	142	4.889	4.889	0.000	93	757984	5.00	4.83	
10 1,1'-Biphenyl	154	5.271	5.271	0.000	99	995044	5.00	5.32	
11 Acenaphthylene	152	5.730	5.730	0.000	97	1190794	5.00	4.95	
12 Acenaphthene	153	5.912	5.912	0.000	96	747407	5.00	4.78	
13 Dibenzofuran	168	6.100	6.100	0.000	100	1031531	5.00	5.21	
14 Fluorene	166	6.470	6.470	0.000	95	811827	5.00	4.92	
15 Phenanthrene	178	7.522	7.522	0.000	96	1020301	5.00	4.86	
16 Anthracene	178	7.575	7.575	0.000	98	953653	5.00	4.91	
17 Fluoranthene	202	8.820	8.820	0.000	98	1105400	5.00	5.06	
18 Pyrene	202	9.061	9.061	0.000	97	1139057	5.00	4.60	
19 Benzo[a]anthracene	228	10.313	10.313	0.000	98	964037	5.00	4.86	
20 Chrysene	228	10.348	10.348	0.000	97	917795	5.00	4.83	
21 Benzo[b]fluoranthene	252	11.382	11.382	0.000	98	996315	5.00	4.74	
22 Benzo[k]fluoranthene	252	11.411	11.411	0.000	98	988459	5.00	4.84	
23 Benzo[a]pyrene	252	11.734	11.734	0.000	97	871580	5.00	4.80	
24 Indeno[1,2,3-cd]pyrene	276	13.192	13.192	0.000	97	923854	5.00	5.55	
25 Dibenz(a,h)anthracene	278	13.221	13.221	0.000	95	745826	5.00	5.18	
26 Benzo[g,h,i]perylene	276	13.609	13.609	0.000	97	808860	5.00	5.29	

Reagents:

SMLLPAH5.0LVI_00027 Amount Added: 1.00 Units: mL

Report Date: 09-Feb-2015 10:58:38 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0703.D

Injection Date: 07-Feb-2015 10:20:30 Instrument ID: CMSK Operator ID:

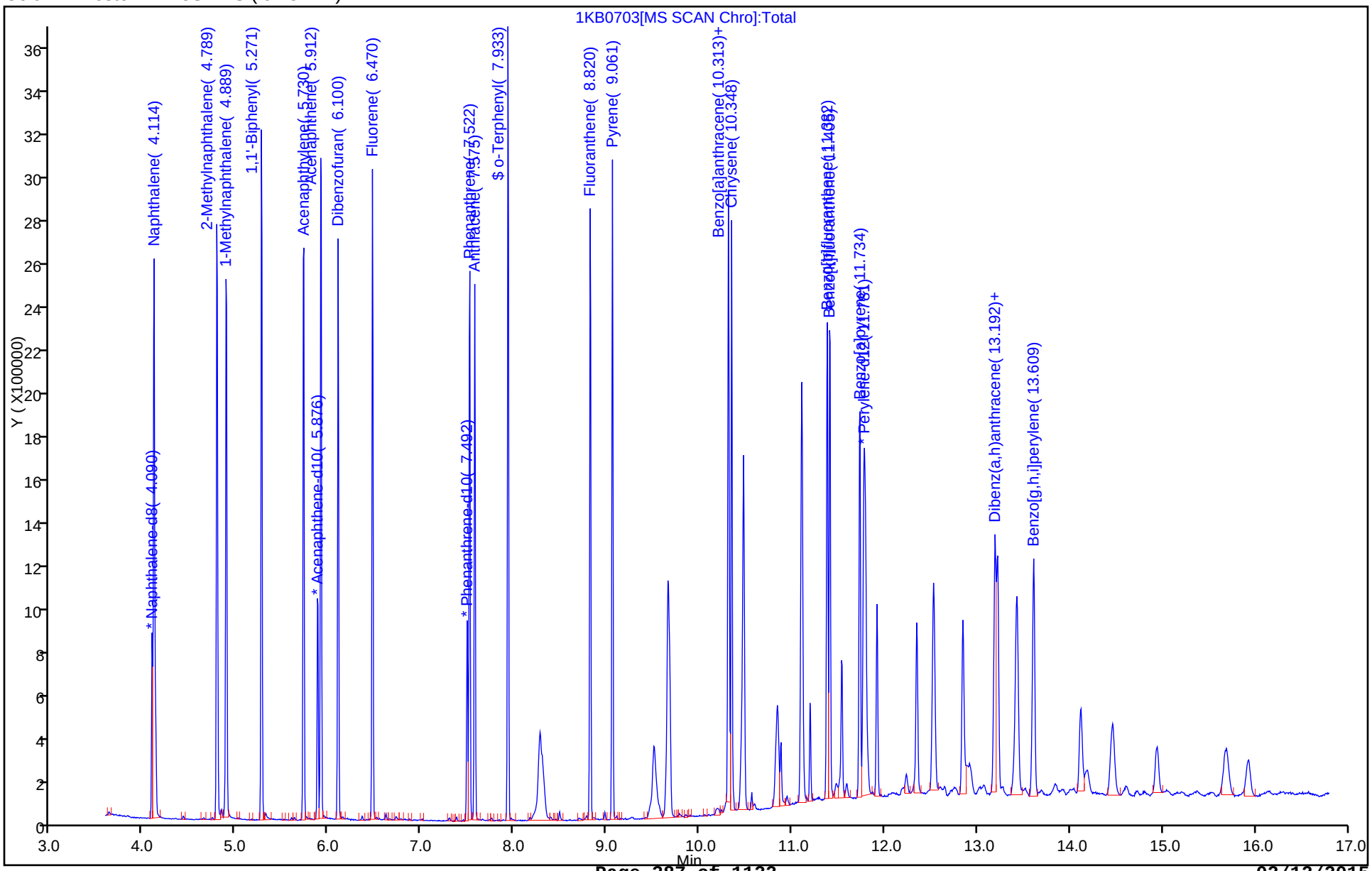
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

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



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID: ICV 680-369429/9 Calibration Date: 02/03/2015 19:20

Instrument ID: CMSY Calib Start Date: 02/03/2015 16:39

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 02/03/2015 18:57

Lab File ID: 3YB0309.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.159	1.091	0.7000	4.71	5.00	-5.8	30.0
2-Methylnaphthalene	Ave	0.7958	0.7402	0.4000	4.65	5.00	-7.0	30.0
1-Methylnaphthalene	Ave	0.7097	0.7020		4.95	5.00	-1.1	30.0
Acenaphthylene	Ave	1.995	1.869	0.9000	4.68	5.00	-6.3	30.0
Acenaphthene	Ave	1.294	1.220	0.9000	4.71	5.00	-5.7	30.0
Fluorene	Ave	1.469	1.412	0.9000	4.81	5.00	-3.9	30.0
Phenanthrene	Ave	1.234	1.152	0.7000	4.67	5.00	-6.7	30.0
Anthracene	Ave	1.178	1.170	0.7000	4.97	5.00	-0.6	30.0
Fluoranthene	Ave	1.284	1.248	0.6000	4.86	5.00	-2.8	30.0
Pyrene	Ave	1.343	1.188	0.6000	4.42	5.00	-11.5	30.0
Benzo[a]anthracene	Ave	1.232	1.125	0.7000	4.57	5.00	-8.7	30.0
Chrysene	QuaF		1.102	0.7000	5.29	5.00	5.8	30.0
Benzo[b]fluoranthene	Ave	1.319	1.173	0.4000	4.45	5.00	-11.0	30.0
Benzo[k]fluoranthene	Ave	1.335	1.260	0.4000	4.72	5.00	-5.6	30.0
Benzo[a]pyrene	Ave	1.163	1.073	0.4000	4.62	5.00	-7.7	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.212	1.133	0.2000	4.67	5.00	-6.6	30.0
Dibenz(a,h)anthracene	Ave	1.023	0.9706	0.2000	4.74	5.00	-5.1	30.0
Benzo[g,h,i]perylene	Ave	1.108	1.043	0.2000	4.71	5.00	-5.8	30.0
o-Terphenyl	QuaF		0.5737		4.66	5.00	-6.7	30.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0309.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 03-Feb-2015 19:20:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 680-0016804-009
Operator ID: Instrument ID: CMSY
Sublist:

Method: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Feb-2015 09:13:09 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 04-Feb-2015 08:56:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.323	3.323	0.000	98	447291	2.00	2.00	
* 2 Acenaphthene-d10	164	5.077	5.077	0.000	91	270218	2.00	2.00	
* 3 Phenanthrene-d10	188	6.692	6.693	-0.001	98	450521	2.00	2.00	
* 4 Chrysene-d12	240	9.586	9.586	0.000	80	480225	2.00	2.00	
* 5 Perylene-d12	264	10.950	10.945	0.005	98	462159	2.00	2.00	
$ 6 o-Terphenyl	230	7.163	7.163	0.000	90	688731	5.00	4.66	
7 Naphthalene	128	3.344	3.344	0.000	99	1220479	5.00	4.71	
9 2-Methylnaphthalene	142	4.007	4.008	-0.001	83	827730	5.00	4.65	
10 1-Methylnaphthalene	142	4.104	4.104	0.000	90	785046	5.00	4.95	
12 Acenaphthylene	152	4.927	4.928	-0.001	97	1262363	5.00	4.68	
11 1,1'-Biphenyl	154	5.115	4.928	0.187	69	770545	NC	NC	
14 Acenaphthene	153	5.115	5.115	0.000	93	824342	5.00	4.71	
16 Fluorene	166	5.676	5.676	0.000	85	953870	5.00	4.81	
15 Dibenzofuran	168	5.815	5.815	0.000	80	3085	NC	NC	
17 Phenanthrene	178	6.719	6.719	0.000	97	1297057	5.00	4.67	
18 Anthracene	178	6.778	6.778	0.000	98	1318150	5.00	4.97	
19 Fluoranthene	202	8.040	8.040	0.000	98	1405940	5.00	4.86	
20 Pyrene	202	8.281	8.281	0.000	97	1425957	5.00	4.42	
21 Benzo[a]anthracene	228	9.581	9.581	0.000	98	1350237	5.00	4.57	
22 Chrysene	228	9.618	9.618	0.000	96	1322873	5.00	5.29	
23 Benzo[b]fluoranthene	252	10.618	10.618	0.000	99	1355435	5.00	4.45	
24 Benzo[k]fluoranthene	252	10.645	10.645	0.000	97	1456053	5.00	4.72	
25 Benzo[a]pyrene	252	10.902	10.902	0.000	96	1239888	5.00	4.62	
26 Indeno[1,2,3-cd]pyrene	276	11.993	11.993	0.000	99	1359830	5.00	4.67	
27 Dibenz(a,h)anthracene	278	12.020	12.014	0.006	96	1121461	5.00	4.74	
28 Benzo[g,h,i]perylene	276	12.298	12.293	0.005	92	1205593	5.00	4.71	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SMLLPAHICVLVI_00034 Amount Added: 1.00 Units: mL

Report Date: 04-Feb-2015 09:13:49 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0309.D

Injection Date: 03-Feb-2015 19:20:30 Instrument ID: CMSY Operator ID:

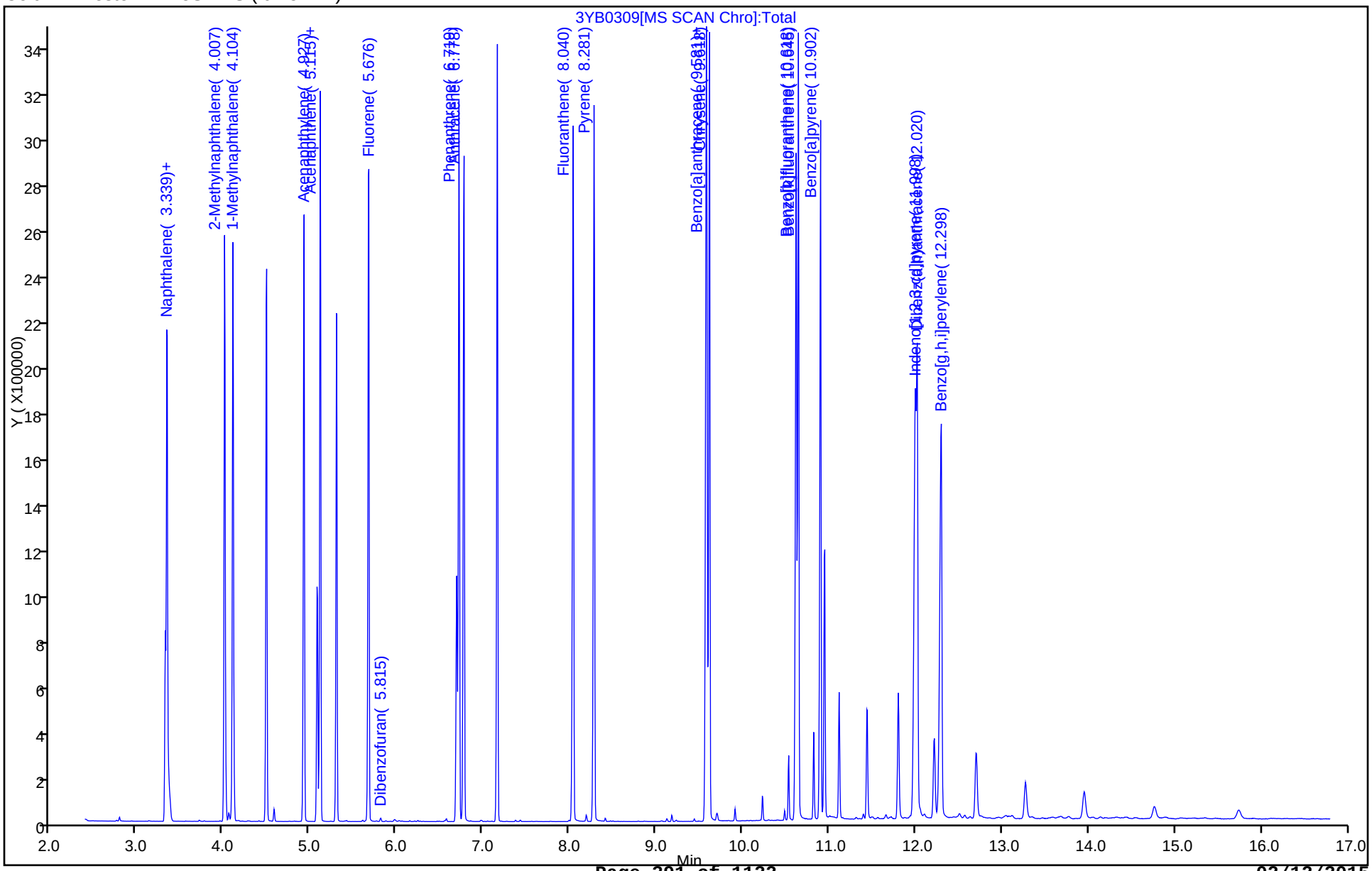
Lims ID: ICV Worklist Smp#: 9

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.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID: CCVIS 680-369958/2 Calibration Date: 02/06/2015 16:31

Instrument ID: CMSY Calib Start Date: 02/03/2015 16:39

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 02/03/2015 18:57

Lab File ID: 2YB0602.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.159	1.111	0.7000	4.79	5.00	-4.2	20.0
2-Methylnaphthalene	Ave	0.7958	0.7571	0.4000	4.76	5.00	-4.9	20.0
1-Methylnaphthalene	Ave	0.7097	0.6677		4.70	5.00	-5.9	20.0
Acenaphthylene	Ave	1.995	2.024	0.9000	5.07	5.00	1.5	20.0
Acenaphthene	Ave	1.294	1.286	0.9000	4.97	5.00	-0.7	20.0
Fluorene	Ave	1.469	1.427	0.9000	4.85	5.00	-2.9	20.0
Phenanthrene	Ave	1.234	1.218	0.7000	4.93	5.00	-1.3	20.0
Anthracene	Ave	1.178	1.190	0.7000	5.05	5.00	1.1	20.0
Fluoranthene	Ave	1.284	1.276	0.6000	4.97	5.00	-0.7	20.0
Pyrene	Ave	1.343	1.348	0.6000	5.02	5.00	0.4	20.0
Benzo[a]anthracene	Ave	1.232	1.134	0.7000	4.60	5.00	-7.9	20.0
Chrysene	QuaF		1.164	0.7000	5.58	5.00	11.5	20.0
Benzo[b]fluoranthene	Ave	1.319	1.346	0.4000	5.11	5.00	2.1	20.0
Benzo[k]fluoranthene	Ave	1.335	1.237	0.4000	4.63	5.00	-7.3	20.0
Benzo[a]pyrene	Ave	1.163	1.151	0.4000	4.95	5.00	-1.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.212	1.022	0.2000	4.22	5.00	-15.7	20.0
Dibenz(a,h)anthracene	Ave	1.023	0.9421	0.2000	4.60	5.00	-7.9	20.0
Benzo[g,h,i]perylene	Ave	1.108	1.007	0.2000	4.54	5.00	-9.1	20.0
o-Terphenyl	QuaF		0.7535		6.03	5.00	20.6*	20.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0602.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Feb-2015 16:31:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 680-0016908-002
Operator ID: Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 08:53:30 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 07-Feb-2015 08:30:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.109	3.109	0.000	98	402952	2.00	2.00	
* 2 Acenaphthene-d10	164	4.842	4.842	0.000	93	222388	2.00	2.00	
* 3 Phenanthrene-d10	188	6.436	6.436	0.000	98	363582	2.00	2.00	
* 4 Chrysene-d12	240	9.324	9.324	0.000	99	354612	2.00	2.00	
* 5 Perylene-d12	264	10.677	10.677	0.000	98	313579	2.00	2.00	
$ 6 o-Terphenyl	230	6.912	6.912	0.000	91	667961	5.00	6.03	
7 Naphthalene	128	3.125	3.125	0.000	99	1118713	5.00	4.79	
9 2-Methylnaphthalene	142	3.783	3.783	0.000	87	762722	5.00	4.76	
10 1-Methylnaphthalene	142	3.879	3.879	0.000	92	672629	5.00	4.70	
11 1,1'-Biphenyl	154	4.264	4.264	0.000	100	948702	NC	NC	
12 Acenaphthylene	152	4.687	4.687	0.000	98	1125423	5.00	5.07	
14 Acenaphthene	153	4.874	4.874	0.000	94	714806	5.00	4.97	
15 Dibenzofuran	168	5.061	5.061	0.000	99	1000410	NC	NC	
16 Fluorene	166	5.430	5.430	0.000	96	793103	5.00	4.85	
17 Phenanthrene	178	6.462	6.462	0.000	97	1106761	5.00	4.93	
18 Anthracene	178	6.521	6.521	0.000	99	1081942	5.00	5.05	
19 Fluoranthene	202	7.773	7.773	0.000	98	1159371	5.00	4.97	
20 Pyrene	202	8.014	8.014	0.000	97	1194797	5.00	5.02	
21 Benzo[a]anthracene	228	9.319	9.319	0.000	98	1005295	5.00	4.60	
22 Chrysene	228	9.356	9.356	0.000	99	1031696	5.00	5.58	
23 Benzo[b]fluoranthene	252	10.356	10.356	0.000	99	1055551	5.00	5.11	
24 Benzo[k]fluoranthene	252	10.378	10.378	0.000	99	969936	5.00	4.63	
25 Benzo[a]pyrene	252	10.634	10.634	0.000	98	902122	5.00	4.95	
26 Indeno[1,2,3-cd]pyrene	276	11.613	11.613	0.000	99	906373	5.00	4.22	
27 Dibenz(a,h)anthracene	278	11.640	11.640	0.000	98	738532	5.00	4.60	
28 Benzo[g,h,i]perylene	276	11.875	11.875	0.000	98	789135	5.00	4.54	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SMLLPAH5.0LVI_00027 Amount Added: 1.00 Units: mL

Report Date: 07-Feb-2015 08:53:30 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0602.D

Injection Date: 06-Feb-2015 16:31:30 Instrument ID: CMSY Operator ID:

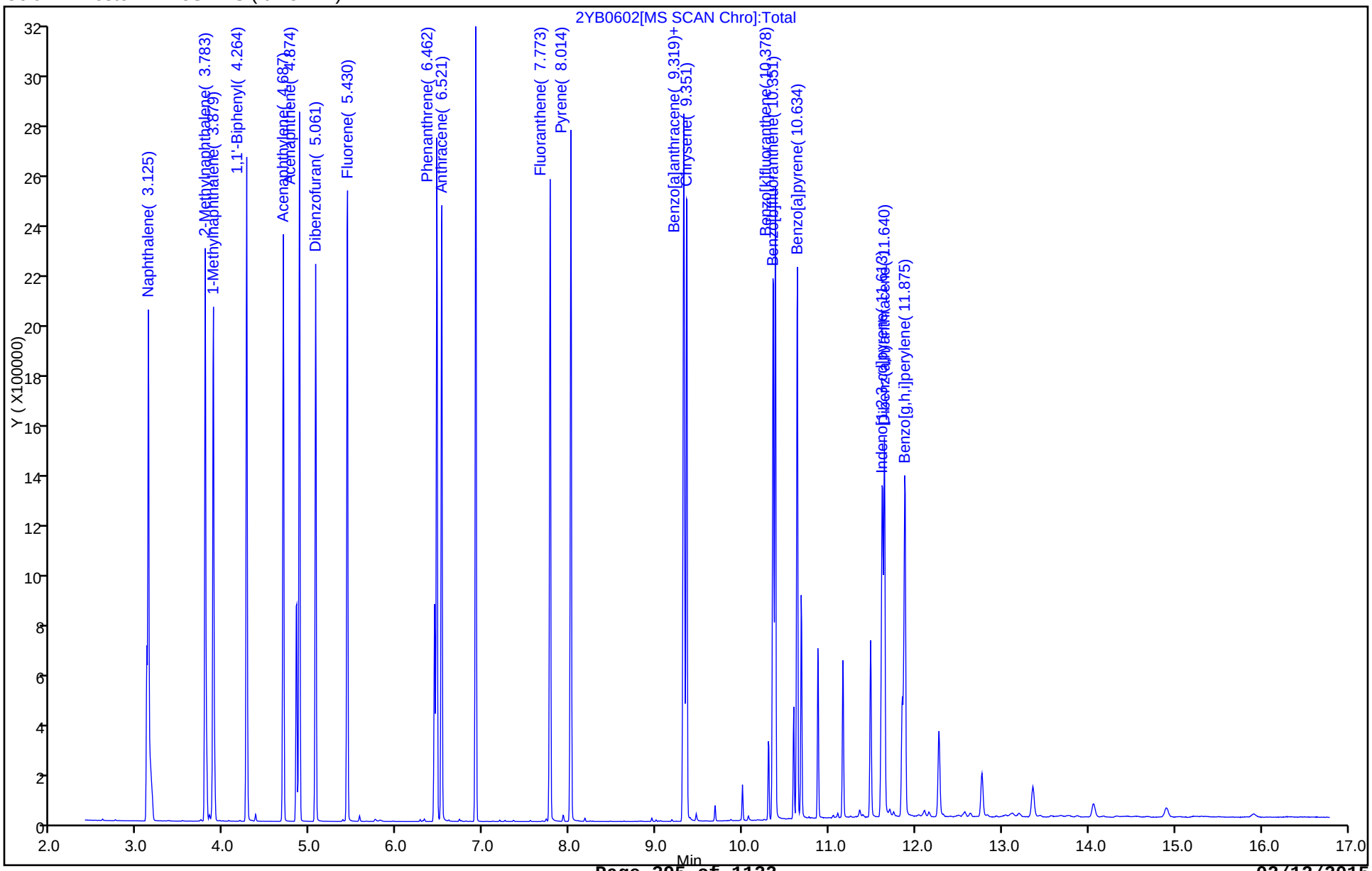
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270D_LLPAH_MSY Limit Group: 8270D_LL_PAH

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



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID: CCVIS 680-370012/2 Calibration Date: 02/07/2015 13:04

Instrument ID: CMSY Calib Start Date: 02/03/2015 16:39

GC Column: RXi- 5Sil MS ID: 0.25(mm) Calib End Date: 02/03/2015 18:57

Lab File ID: 2YB0702.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.159	1.119	0.7000	4.83	5.00	-3.4	20.0
2-Methylnaphthalene	Ave	0.7958	0.7805	0.4000	4.90	5.00	-1.9	20.0
1-Methylnaphthalene	Ave	0.7097	0.6921		4.88	5.00	-2.5	20.0
Acenaphthylene	Ave	1.995	1.993	0.9000	5.00	5.00	-0.0	20.0
Acenaphthene	Ave	1.294	1.260	0.9000	4.87	5.00	-2.7	20.0
Fluorene	Ave	1.469	1.418	0.9000	4.82	5.00	-3.5	20.0
Phenanthrene	Ave	1.234	1.223	0.7000	4.95	5.00	-0.9	20.0
Anthracene	Ave	1.178	1.166	0.7000	4.95	5.00	-1.0	20.0
Fluoranthene	Ave	1.284	1.244	0.6000	4.84	5.00	-3.1	20.0
Pyrene	Ave	1.343	1.481	0.6000	5.52	5.00	10.3	20.0
Benzo[a]anthracene	Ave	1.232	1.187	0.7000	4.82	5.00	-3.6	20.0
Chrysene	QuaF		1.203	0.7000	5.76	5.00	15.2	20.0
Benzo[b]fluoranthene	Ave	1.319	1.401	0.4000	5.31	5.00	6.3	20.0
Benzo[k]fluoranthene	Ave	1.335	1.346	0.4000	5.04	5.00	0.8	20.0
Benzo[a]pyrene	Ave	1.163	1.136	0.4000	4.88	5.00	-2.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.212	0.9107	0.2000	3.76	5.00	-24.9*	20.0
Dibenz(a,h)anthracene	Ave	1.023	0.8948	0.2000	4.37	5.00	-12.6	20.0
Benzo[g,h,i]perylene	Ave	1.108	0.9302	0.2000	4.20	5.00	-16.0	20.0
o-Terphenyl	QuaF		0.8329		6.62	5.00	32.5*	20.0

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0702.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Feb-2015 13:04:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 680-0016926-002
Operator ID: Instrument ID: CMSY
Sublist: chrom-8270D_LLPAH_MSY*sub1

Method: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 09-Feb-2015 10:16:25 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: webbk Date: 09-Feb-2015 09:20:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.077	3.077	0.000	98	400531	2.00	2.00	
* 2 Acenaphthene-d10	164	4.805	4.805	0.000	91	237740	2.00	2.00	
* 3 Phenanthrene-d10	188	6.398	6.398	0.000	98	388191	2.00	2.00	
* 4 Chrysene-d12	240	9.292	9.292	0.000	99	339470	2.00	2.00	
* 5 Perylene-d12	264	10.645	10.645	0.000	99	280125	2.00	2.00	
$ 6 o-Terphenyl	230	6.880	6.880	0.000	91	706816	5.00	6.62	
7 Naphthalene	128	3.093	3.093	0.000	99	1120317	5.00	4.83	
9 2-Methylnaphthalene	142	3.751	3.751	0.000	86	781503	5.00	4.90	
10 1-Methylnaphthalene	142	3.842	3.842	0.000	92	692994	5.00	4.88	
11 1,1'-Biphenyl	154	4.227	4.227	0.000	100	977548	NC	NC	
12 Acenaphthylene	152	4.649	4.649	0.000	98	1184685	5.00	5.00	
14 Acenaphthene	153	4.837	4.837	0.000	94	748762	5.00	4.87	
15 Dibenzofuran	168	5.029	5.029	0.000	99	1072134	NC	NC	
16 Fluorene	166	5.393	5.393	0.000	96	842590	5.00	4.82	
17 Phenanthrene	178	6.431	6.431	0.000	97	1186834	5.00	4.95	
18 Anthracene	178	6.484	6.484	0.000	99	1131551	5.00	4.95	
19 Fluoranthene	202	7.741	7.741	0.000	98	1207202	5.00	4.84	
20 Pyrene	202	7.982	7.982	0.000	98	1257211	5.00	5.52	
21 Benzo[a]anthracene	228	9.287	9.287	0.000	98	1007644	5.00	4.82	
22 Chrysene	228	9.319	9.319	0.000	99	1020531	5.00	5.76	
23 Benzo[b]fluoranthene	252	10.324	10.324	0.000	99	981343	5.00	5.31	
24 Benzo[k]fluoranthene	252	10.346	10.346	0.000	99	942383	5.00	5.04	
25 Benzo[a]pyrene	252	10.602	10.602	0.000	98	795300	5.00	4.88	
26 Indeno[1,2,3-cd]pyrene	276	11.576	11.576	0.000	99	772857	5.00	3.76	
27 Dibenz(a,h)anthracene	278	11.597	11.597	0.000	99	626603	5.00	4.37	
28 Benzo[g,h,i]perylene	276	11.833	11.833	0.000	99	651446	5.00	4.20	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SMLLPAH5.0LVI_00027 Amount Added: 1.00 Units: mL

Report Date: 09-Feb-2015 10:16:26 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0702.D

Injection Date: 07-Feb-2015 13:04:30 Instrument ID: CMSY Operator ID:

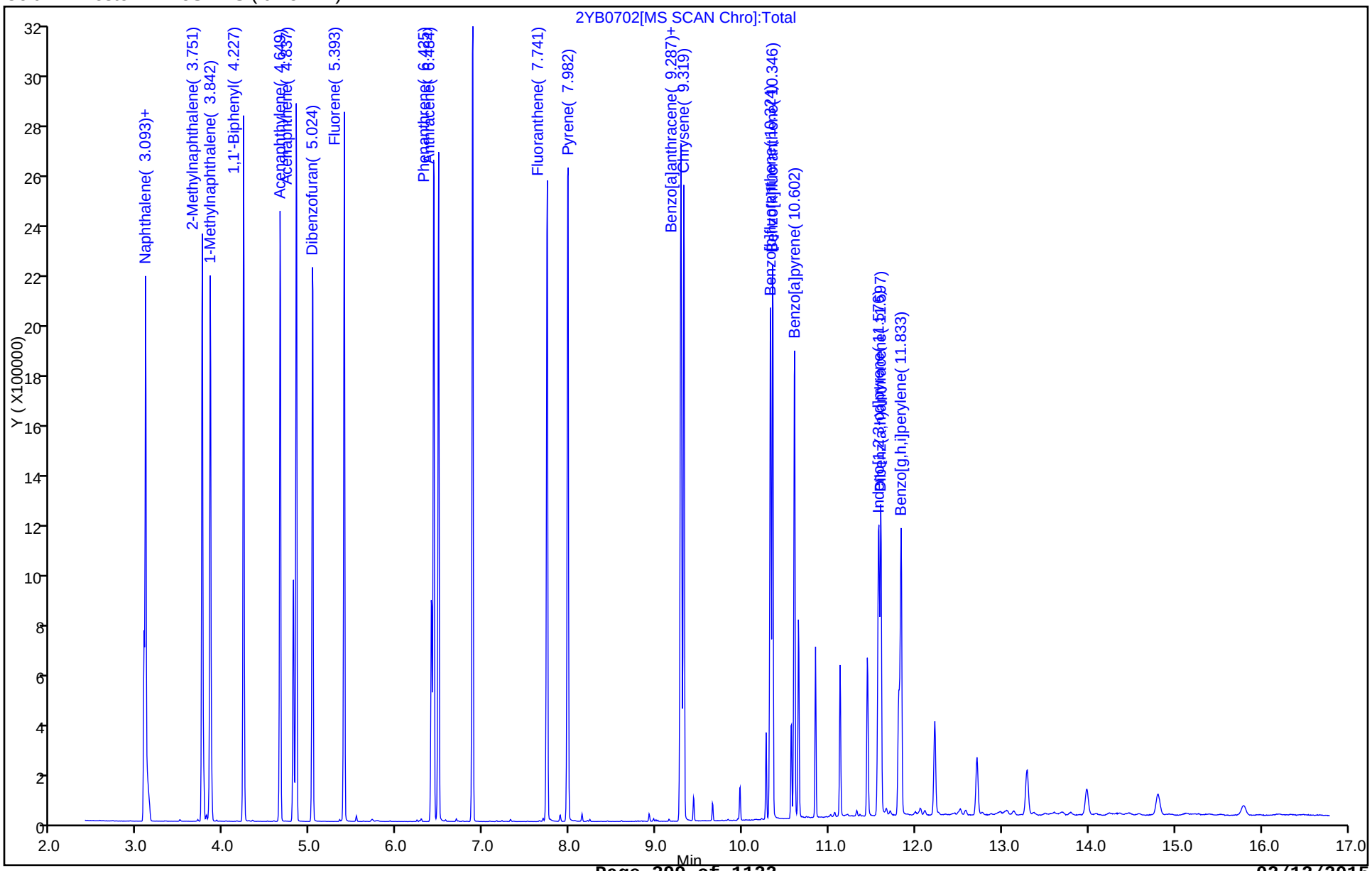
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270D_LLPAH_MSY Limit Group: 8270D_LL_PAH

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



TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0402.D				
Lims ID:	DFTPP				
Client ID:					
Sample Type:	DFTPP				
Inject. Date:	04-Feb-2015 09:05:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	DFTPP				
Misc. Info.:	680-0016805-002				
Operator ID:		Instrument ID:	CMSK		
Method:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	04-Feb-2015 15:36:31	Calib Date:	04-Feb-2015 11:35:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK032				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
32 Pentachlorophenol_T	266	5.213	5.213	0.000	0	86035	NR	NR	
27 DFTPP									
31 Benzidine_T	184	6.535	6.535	0.000	0	246008	NR	NR	
30 4,4'-DDE	246	6.711	6.711	0.000	90	922		NR	7
28 4,4'-DDD	235	7.028	7.028	0.000	98	14177		NR	7
29 4,4'-DDT	235	7.316	7.316	0.000	99	231315	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

SM-LLTUNE_00082 Amount Added: 1.00 Units: mL

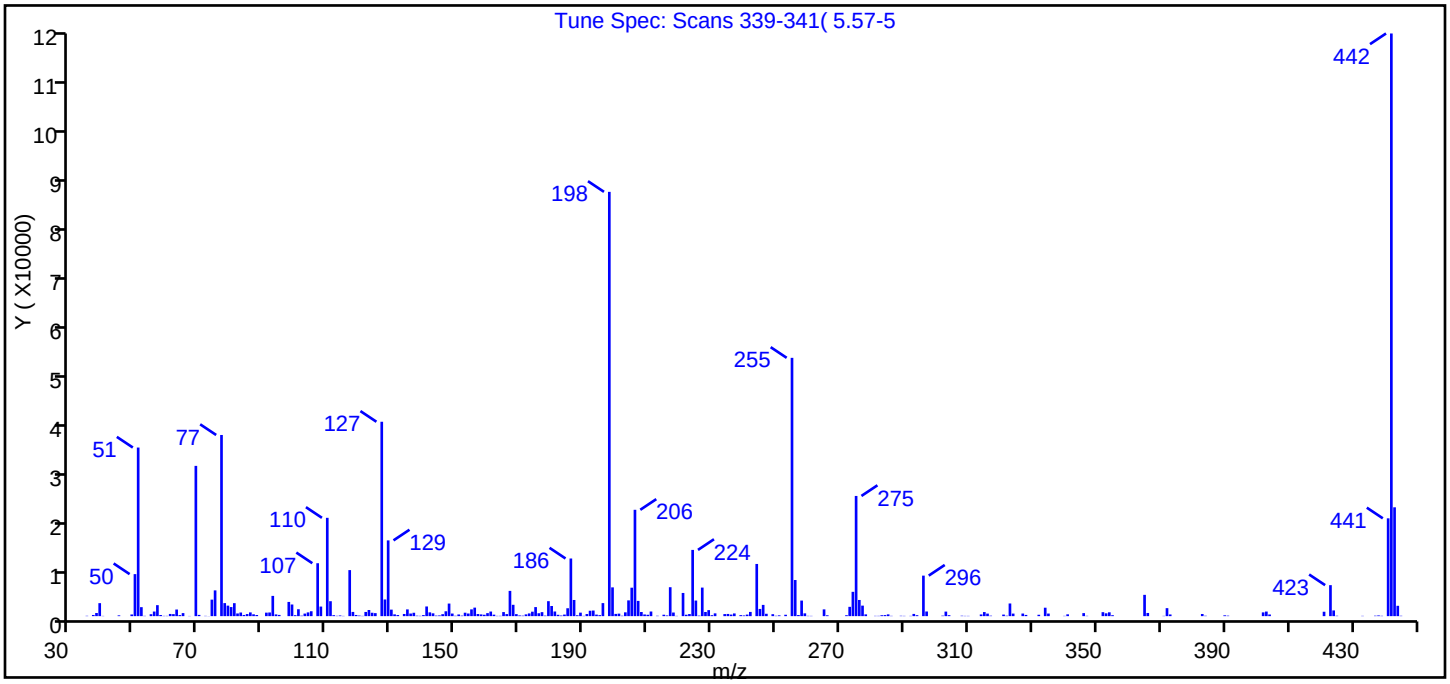
Report Date: 04-Feb-2015 15:36:31 Chrom Revision: 2.2 15-Jan-2015 13:05:58

MS Tune Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0402.D				
Injection Date:	04-Feb-2015 09:05:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Tune Method:	DFTPP Method 525.2, BP 442				

27 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
442	base peak, or >50% of 198	100.0 (137.3)
51	10-80% of the base peak	28.9
68	<2% of mass 69	0.0 (0.0)
69	Present	25.8
70	<2% of mass 69	0.2 (0.8)
127	10-80% of the base peak	33.4
197	<2% of mass 198	0.0 (0.0)
198	base peak, or >50% of 442	72.8
199	5-9% of mass 198	4.9 (6.8)
275	10-60% of the base peak	20.6
365	>1% of the base peak	3.7
441	Present and < mass 443	16.8 (89.9)
443	15-24% of mass 442	18.7

Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0402.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 04-Feb-2015 09:05:30
Spectrum: Tune Spec: Scans 339-341(5.57-5
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 270

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	64	121.00	50	191.00	403	278.00	341
37.00	224	122.00	807	192.00	1038	281.00	56
38.00	604	123.00	1181	193.00	1079	282.00	57
39.00	2498	124.00	651	194.00	294	283.00	176
40.00	45	125.00	579	195.00	193	284.00	206
45.00	150	127.00	37392	196.00	2507	285.00	340
49.00	320	128.00	3206	198.00	81616	286.00	56
50.00	8082	129.00	14572	199.00	5535	289.00	70
51.00	32432	130.00	1252	200.00	431	290.00	52
52.00	1728	131.00	343	201.00	483	292.00	51
53.00	56	132.00	211	202.00	76	293.00	427
54.00	1	134.00	418	203.00	732	294.00	180
55.00	369	135.00	1298	204.00	3033	296.00	7794
56.00	886	136.00	501	205.00	5473	297.00	895
57.00	2113	137.00	650	206.00	20456	302.00	93
58.00	217	138.00	85	207.00	2934	303.00	875
59.00	54	139.00	60	208.00	794	304.00	186
60.00	55	140.00	205	209.00	323	308.00	79
61.00	421	141.00	1861	210.00	262	309.00	51
62.00	389	142.00	728	211.00	891	310.00	50
63.00	1275	143.00	541	213.00	73	314.00	327
64.00	200	144.00	103	215.00	274	315.00	784
65.00	586	145.00	139	216.00	129	316.00	488
67.00	38	146.00	376	217.00	5566	317.00	88
69.00	28904	147.00	936	218.00	696	321.00	300
70.00	241	148.00	2421	219.00	50	322.00	80
71.00	3	149.00	501	221.00	4459	323.00	2436
72.00	54	150.00	72	222.00	272	324.00	492
73.00	23	151.00	321	223.00	404	327.00	502
74.00	3175	152.00	99	224.00	12741	328.00	235
75.00	4956	153.00	660	225.00	3000	332.00	266
77.00	34848	154.00	504	226.00	98	334.00	1622
78.00	2507	155.00	1302	227.00	5493	335.00	497

Report Date: 04-Feb-2015 15:36:31 Chrom Revision: 2.2 15-Jan-2015 13:05:58
Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0402.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 04-Feb-2015 09:05:30
Spectrum: Tune Spec: Scans 339-341(5.57-5
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 270

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	2020	156.00	1638	228.00	802	340.00	52
80.00	1745	157.00	405	229.00	1156	341.00	347
81.00	2495	158.00	335	230.00	183	346.00	582
82.00	518	159.00	269	231.00	536	347.00	59
83.00	697	160.00	579	234.00	396	352.00	764
84.00	227	161.00	885	235.00	423	353.00	546
85.00	398	162.00	285	236.00	303	354.00	738
86.00	719	163.00	52	237.00	519	355.00	183
87.00	352	164.00	59	239.00	193	365.00	4096
88.00	219	165.00	782	240.00	133	366.00	609
91.00	672	166.00	395	241.00	299	371.00	52
92.00	703	167.00	4858	242.00	810	372.00	1537
93.00	3894	168.00	2183	244.00	10039	373.00	322
94.00	335	169.00	387	245.00	1385	383.00	414
95.00	235	170.00	138	246.00	2164	384.00	74
98.00	2734	171.00	93	247.00	454	390.00	158
99.00	2240	172.00	340	249.00	375	391.00	92
100.00	184	173.00	521	250.00	68	402.00	724
101.00	1328	174.00	857	251.00	152	403.00	884
102.00	88	175.00	1741	253.00	267	404.00	317
103.00	492	176.00	556	255.00	49688	421.00	847
104.00	721	177.00	769	256.00	6948	423.00	5962
105.00	943	178.00	99	257.00	215	424.00	1098
107.00	10179	179.00	2879	258.00	2996	425.00	74
108.00	1843	180.00	1948	259.00	536	433.00	54
110.00	18912	181.00	893	260.00	57	437.00	86
111.00	2872	182.00	258	261.00	50	438.00	134
112.00	185	183.00	115	265.00	1302	439.00	64
113.00	63	184.00	303	266.00	164	441.00	18816
114.00	128	185.00	1519	272.00	176	442.00	112080
115.00	45	186.00	11088	273.00	1791	443.00	20936
117.00	8856	187.00	3109	274.00	4678	444.00	1989
118.00	812	188.00	172	275.00	23120	445.00	72
119.00	225	189.00	672	276.00	3110		

Report Date: 04-Feb-2015 15:36:31 Chrom Revision: 2.2 15-Jan-2015 13:05:58
Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0402.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 04-Feb-2015 09:05:30
Spectrum: Tune Spec: Scans 339-341(5.57-5
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 270

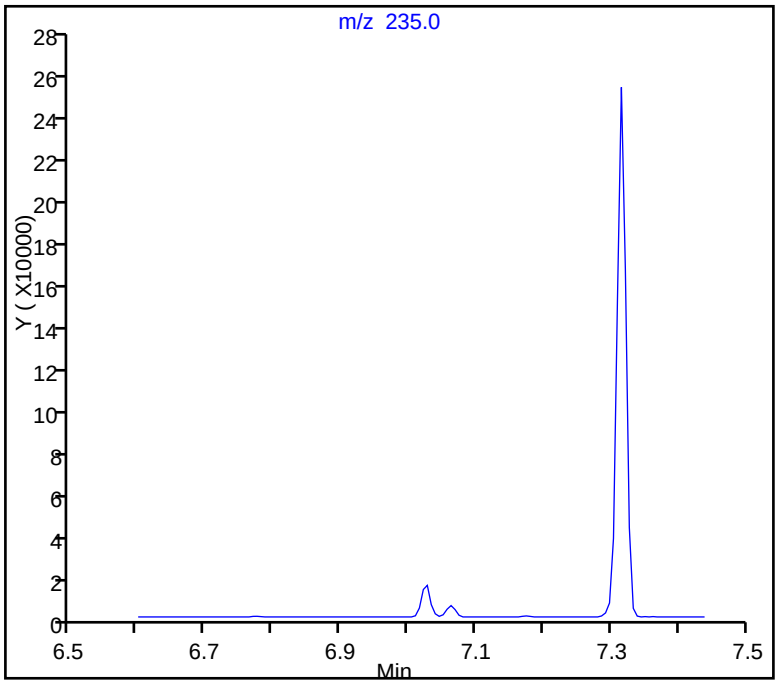
m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	111	190.00	54	277.00	2023		

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0402.D				
Injection Date:	04-Feb-2015 09:05:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

29 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

29 4,4'-DDT, Area = 231315
28 4,4'-DDD, Area = 14177
30 4,4'-DDE, Area = 922

%Breakdown: 6.13%, Max Limit: 20.00%
Passed

Report Date: 04-Feb-2015 15:36:31 Chrom Revision: 2.2 15-Jan-2015 13:05:58

Peak Tailing Report

TestAmerica Savannah

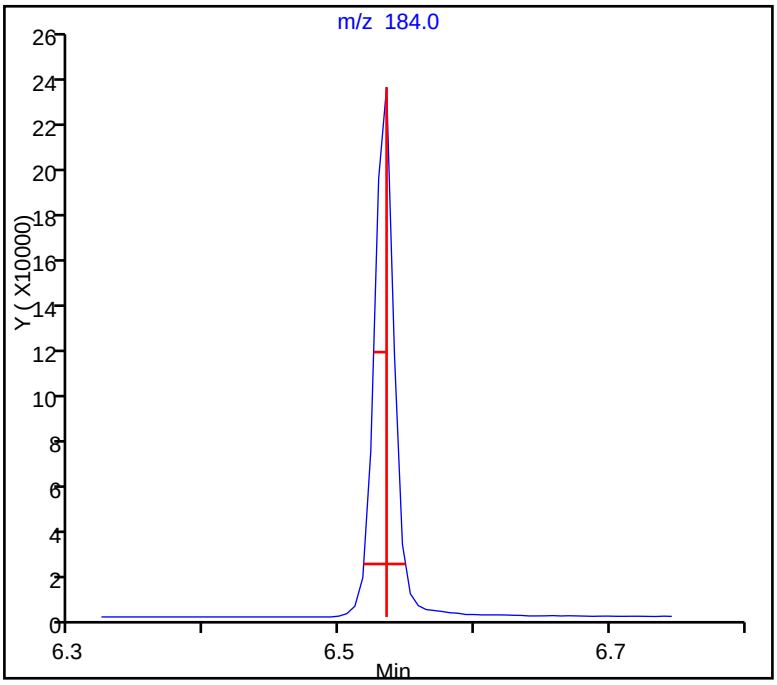
Data File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0402.D
Injection Date: 04-Feb-2015 09:05:30 Instrument ID: CMSK
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

31 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.8, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Savannah

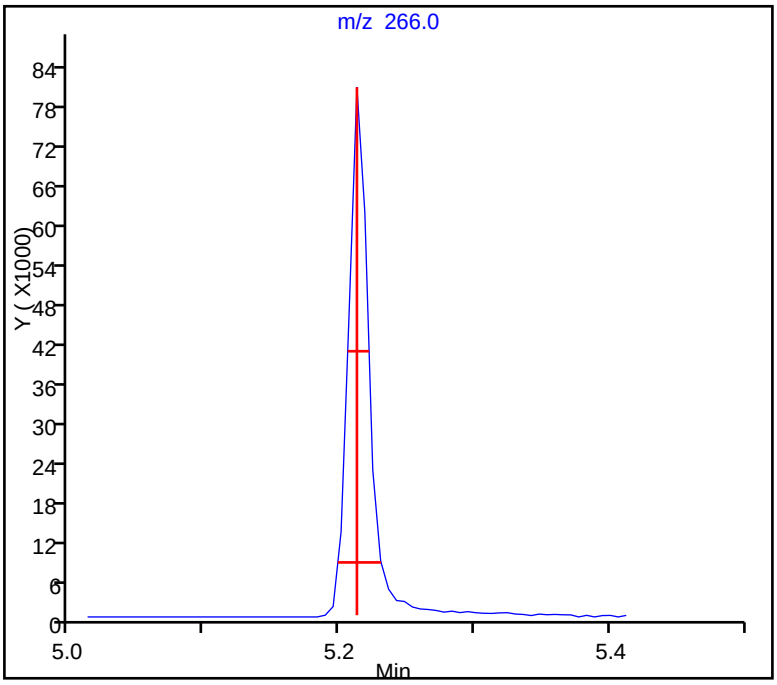
Data File:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0402.D				
Injection Date:	04-Feb-2015 09:05:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

32 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0601.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 06-Feb-2015 12:40:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 680-0016900-001
Operator ID: Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 09:08:17 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 06-Feb-2015 13:42:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
32 Pentachlorophenol_T	266	5.113	5.113	0.000	0	97600	NR	NR	
27 DFTPP									
31 Benzidine_T	184	6.364	6.364	0.000	0	290093	NR	NR	
30 4,4'-DDE	246	6.523	6.523	0.000	94	1329		NR	7
28 4,4'-DDD	235	6.805	6.805	0.000	96	32840		NR	7M
29 4,4'-DDT	235	7.069	7.069	0.000	99	241750	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

SM-LLTUNE_00082 Amount Added: 1.00 Units: mL

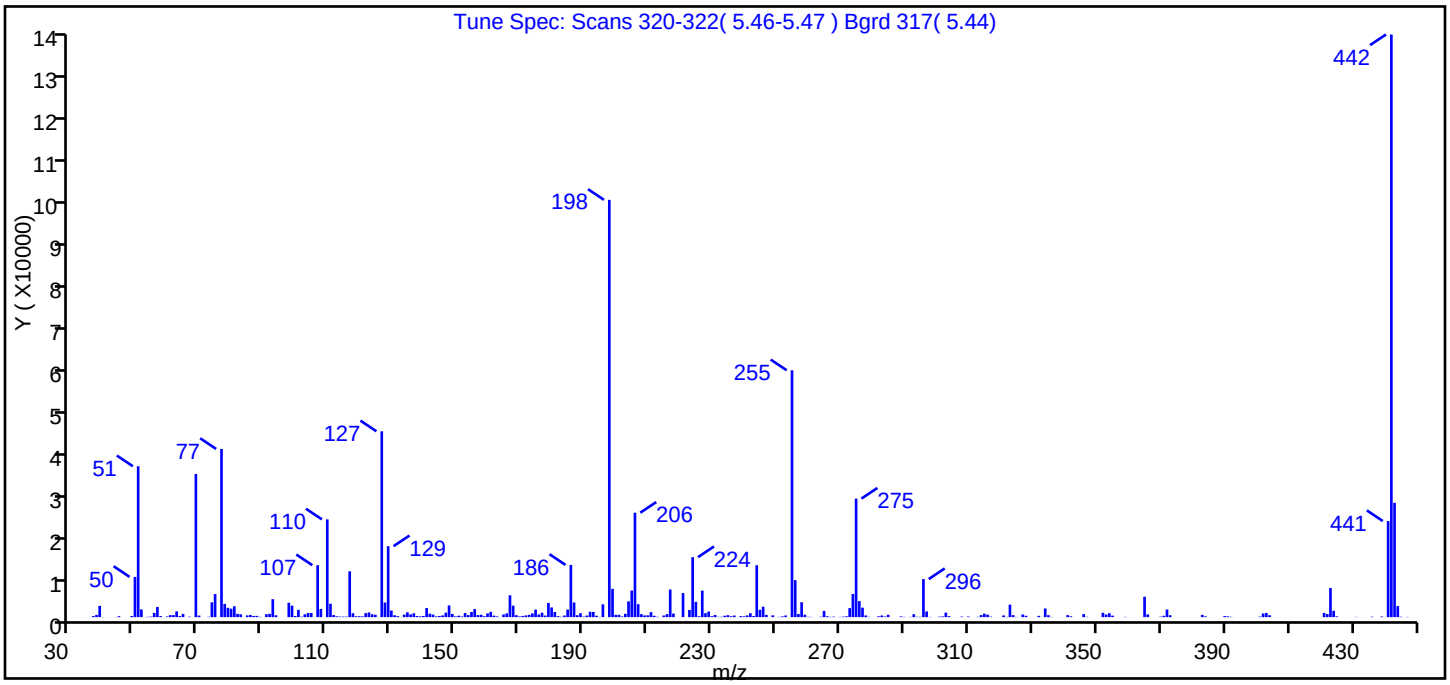
Report Date: 07-Feb-2015 09:08:17 Chrom Revision: 2.2 15-Jan-2015 13:05:58

MS Tune Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0601.D				
Injection Date:	06-Feb-2015 12:40:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Tune Method:	DFTPP Method 525.2, BP 442				

27 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
442	base peak, or >50% of 198	100.0 (139.6)
51	10-80% of the base peak	25.9
68	<2% of mass 69	0.0 (0.0)
69	Present	24.6
70	<2% of mass 69	0.3 (1.1)
127	10-80% of the base peak	31.9
197	<2% of mass 198	0.0 (0.0)
198	base peak, or >50% of 442	71.6
199	5-9% of mass 198	4.9 (6.8)
275	10-60% of the base peak	20.3
365	>1% of the base peak	3.5
441	Present and < mass 443	16.5 (84.0)
443	15-24% of mass 442	19.6

Data File: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0601.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 06-Feb-2015 12:40:30
Spectrum: Tune Spec: Scans 320-322(5.46-5.47) Bgrd 317(5.44)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 283

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	258	128.00	3443	201.00	556	285.00	567
38.00	535	129.00	16736	202.00	167	289.00	166
39.00	2664	130.00	1554	203.00	783	290.00	70
40.00	43	131.00	444	204.00	3718	292.00	65
44.00	25	132.00	241	205.00	6271	293.00	680
45.00	228	133.00	18	206.00	24640	294.00	85
49.00	264	134.00	595	207.00	3060	295.00	82
50.00	9489	135.00	1138	208.00	712	296.00	8981
51.00	35608	136.00	662	209.00	406	297.00	1349
52.00	1816	137.00	910	210.00	440	298.00	59
53.00	27	138.00	273	211.00	1192	301.00	115
54.00	77	139.00	191	212.00	323	302.00	165
55.00	129	140.00	287	213.00	85	303.00	1068
56.00	995	141.00	2146	215.00	389	304.00	228
57.00	2407	142.00	819	216.00	704	308.00	129
58.00	254	143.00	606	217.00	6513	310.00	141
60.00	158	144.00	179	218.00	834	313.00	70
61.00	479	145.00	272	221.00	5673	314.00	479
62.00	482	146.00	408	223.00	1691	315.00	817
63.00	1360	147.00	1061	224.00	14153	316.00	605
64.00	241	148.00	2764	225.00	3614	317.00	120
65.00	770	149.00	754	226.00	209	321.00	406
67.00	117	150.00	178	227.00	6259	322.00	68
69.00	33784	151.00	337	228.00	937	323.00	2954
70.00	374	152.00	167	229.00	1322	324.00	477
73.00	85	153.00	969	230.00	227	325.00	52
74.00	3497	154.00	482	231.00	526	327.00	629
75.00	5460	155.00	1220	232.00	78	328.00	330
77.00	39680	156.00	1886	233.00	86	332.00	306
78.00	3121	157.00	489	234.00	330	334.00	2044
79.00	2204	158.00	553	235.00	470	335.00	461
80.00	1995	159.00	217	236.00	216	336.00	54
81.00	2570	160.00	877	237.00	378	341.00	473

Report Date: 07-Feb-2015 09:08:18 Chrom Revision: 2.2 15-Jan-2015 13:05:58
Data File: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0601.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 06-Feb-2015 12:40:30
Spectrum: Tune Spec: Scans 320-322(5.46-5.47) Bgrd 317(5.44)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 283

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	772	161.00	1255	239.00	234	342.00	198
83.00	667	162.00	351	240.00	190	346.00	715
85.00	406	163.00	165	241.00	411	347.00	81
86.00	521	165.00	629	242.00	925	352.00	1029
87.00	286	166.00	883	243.00	259	353.00	628
88.00	295	167.00	5155	244.00	12250	354.00	932
89.00	78	168.00	2716	245.00	1732	355.00	355
91.00	685	169.00	459	246.00	2457	359.00	70
92.00	778	170.00	170	247.00	525	365.00	4812
93.00	4236	171.00	285	249.00	425	366.00	649
94.00	441	172.00	415	251.00	64	370.00	111
98.00	3392	173.00	544	252.00	182	371.00	326
99.00	2711	174.00	873	253.00	395	372.00	1790
100.00	264	175.00	1788	255.00	58248	373.00	456
101.00	1720	176.00	625	256.00	8727	383.00	541
102.00	109	177.00	1048	257.00	752	384.00	187
103.00	659	178.00	370	258.00	3510	390.00	251
104.00	982	179.00	3351	259.00	572	391.00	193
105.00	968	180.00	2286	260.00	79	392.00	81
107.00	12259	181.00	1220	261.00	59	401.00	141
108.00	1941	182.00	242	264.00	98	402.00	845
110.00	23064	183.00	79	265.00	1464	403.00	992
111.00	3157	184.00	386	266.00	211	404.00	451
112.00	496	185.00	1795	267.00	65	421.00	1000
113.00	193	186.00	12323	268.00	120	422.00	718
114.00	122	187.00	3460	270.00	59	423.00	6860
115.00	121	188.00	453	271.00	129	424.00	1491
116.00	117	189.00	930	272.00	198	425.00	176
117.00	10820	190.00	121	273.00	2130	431.00	53
118.00	923	191.00	377	274.00	5476	436.00	114
119.00	218	192.00	1266	275.00	27968	439.00	153
120.00	214	193.00	1234	276.00	3788	441.00	22672
121.00	176	194.00	337	277.00	2241	442.00	137472
122.00	945	195.00	55	278.00	404	443.00	26976

Report Date: 07-Feb-2015 09:08:18 Chrom Revision: 2.2 15-Jan-2015 13:05:58
Data File: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0601.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 06-Feb-2015 12:40:30
Spectrum: Tune Spec: Scans 320-322(5.46-5.47) Bgrd 317(5.44)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 283

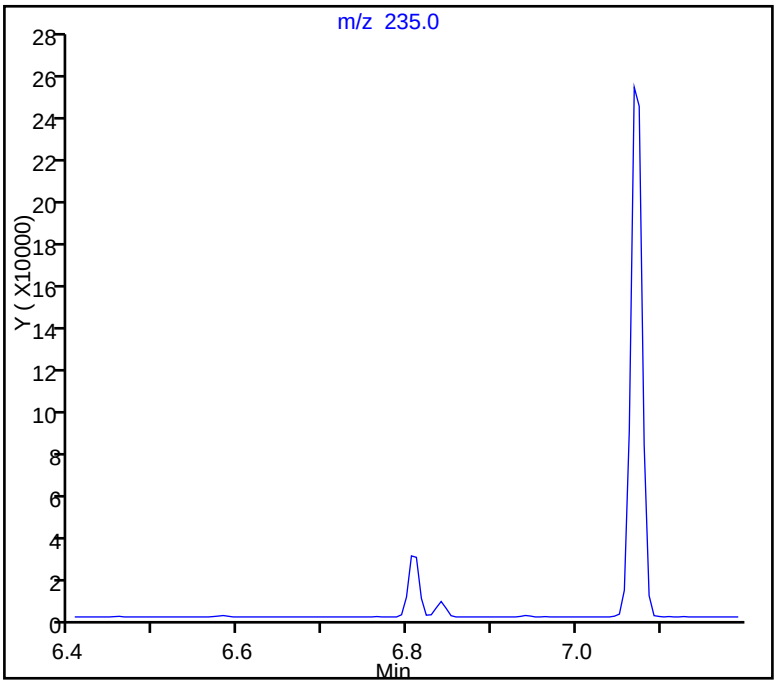
m/z	Y	m/z	Y	m/z	Y	m/z	Y
123.00	1115	196.00	3021	279.00	69	444.00	2617
124.00	676	198.00	98456	282.00	195	445.00	94
125.00	563	199.00	6678	283.00	387	447.00	55
127.00	43848	200.00	540	284.00	149		

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0601.D				
Injection Date:	06-Feb-2015 12:40:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

29 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

29 4,4'-DDT, Area = 241750
28 4,4'-DDD, Area = 32840
30 4,4'-DDE, Area = 1329

%Breakdown: 12.38%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Savannah

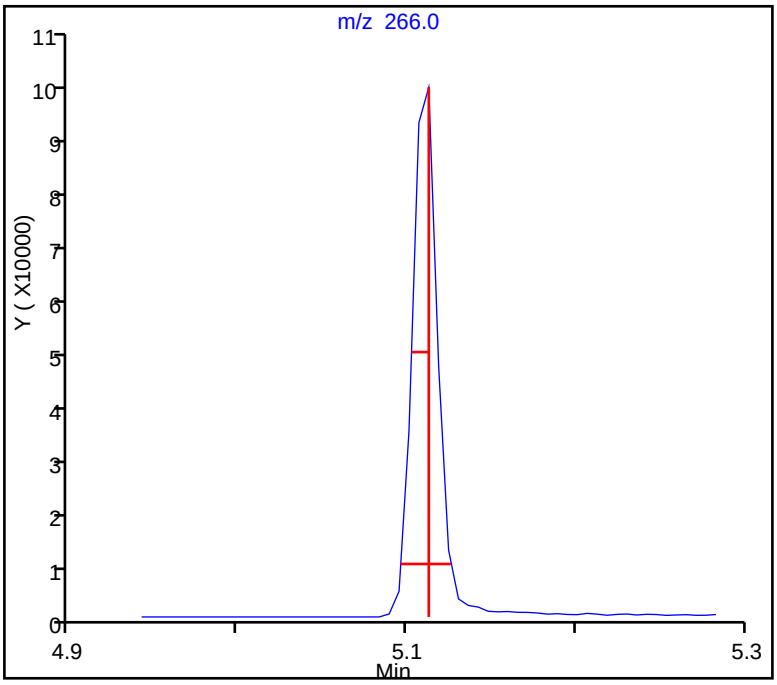
Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0601.D				
Injection Date:	06-Feb-2015 12:40:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

32 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.8, Max. Tailing < 2.00
Passed



Report Date: 07-Feb-2015 09:08:17 Chrom Revision: 2.2 15-Jan-2015 13:05:58

Peak Tailing Report

TestAmerica Savannah

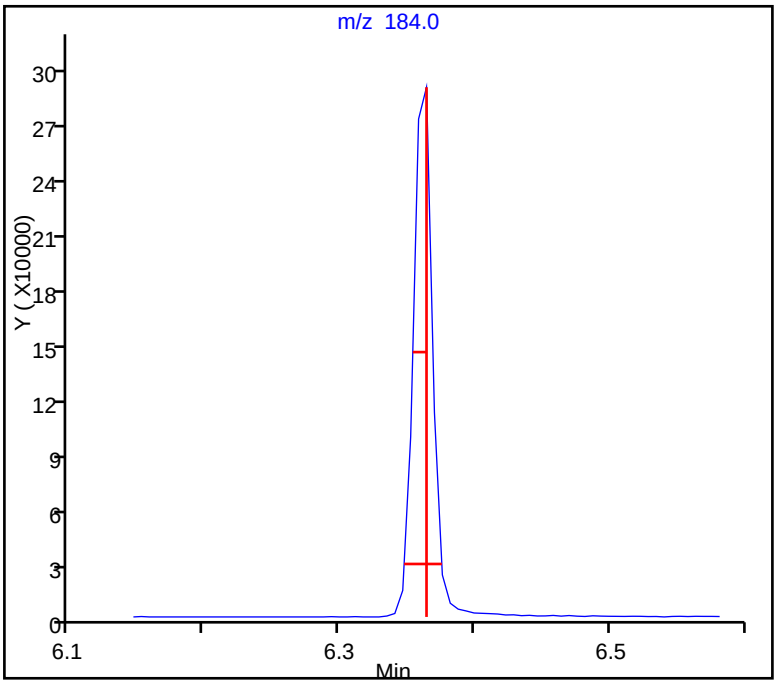
Data File: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0601.D
Injection Date: 06-Feb-2015 12:40:30 Instrument ID: CMSK
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

31 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.7, Max. Tailing < 2.00
Passed



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0702.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-Feb-2015 10:06:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 680-0016917-002
Operator ID: Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 09-Feb-2015 10:58:36 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: webbk Date: 07-Feb-2015 10:19:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
32 Pentachlorophenol_T	266	5.083	5.083	0.000	0	136058	NR	NR	
27 DFTPP									
31 Benzidine_T	184	6.353	6.353	0.000	0	387768	NR	NR	
30 4,4'-DDE	246	6.523	6.523	0.000	92	1062		NR	7
28 4,4'-DDD	235	6.817	6.817	0.000	98	70216		NR	7M
29 4,4'-DDT	235	7.087	7.087	0.000	99	288353	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

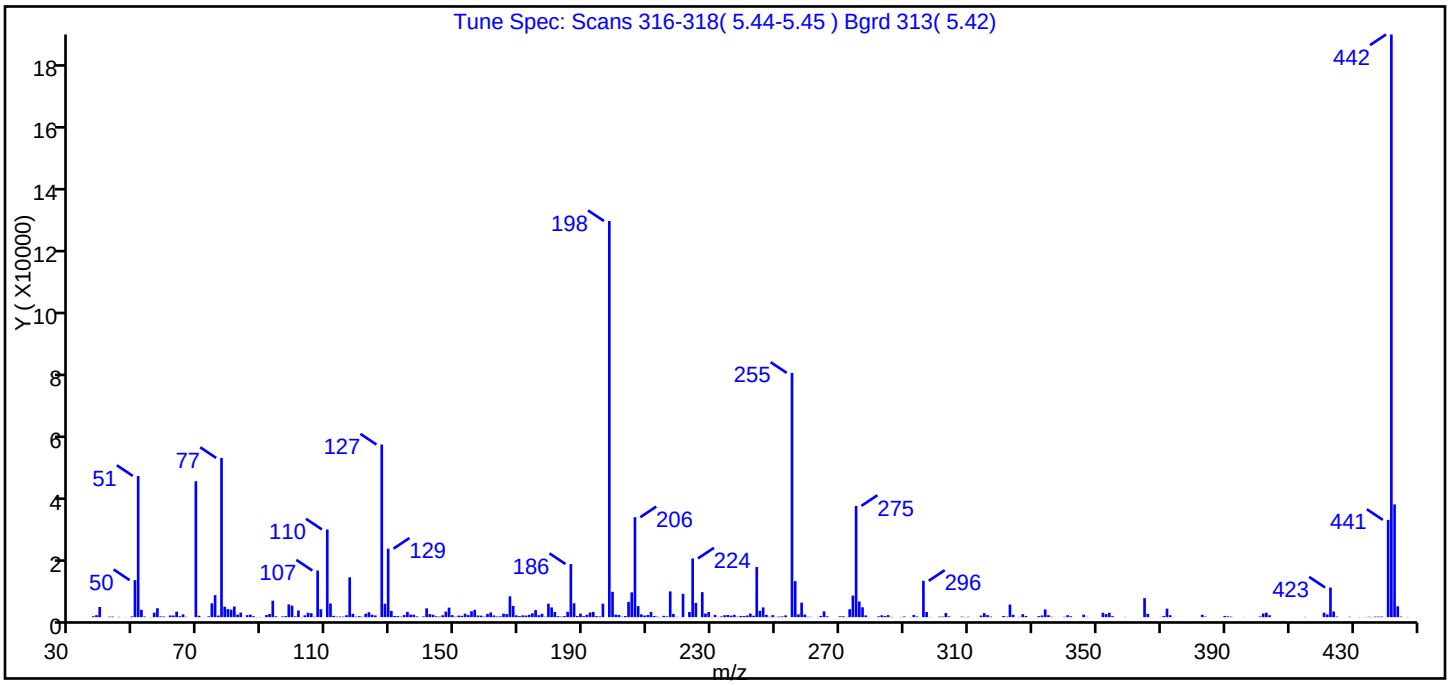
SM-LLTUNE_00082 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0702.D				
Injection Date:	07-Feb-2015 10:06:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		
Tune Method:	DFTPP Method 525.2, BP 442				

27 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
442	base peak, or >50% of 198	100.0 (147.1)
51	10-80% of the base peak	24.2
68	<2% of mass 69	0.0 (0.0)
69	Present	23.3
70	<2% of mass 69	0.2 (1.0)
127	10-80% of the base peak	29.6
197	<2% of mass 198	0.0 (0.0)
198	base peak, or >50% of 442	68.0
199	5-9% of mass 198	4.3 (6.4)
275	10-60% of the base peak	19.1
365	>1% of the base peak	3.3
441	Present and < mass 443	16.7 (86.3)
443	15-24% of mass 442	19.3

Data File: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0702.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 07-Feb-2015 10:06:30
Spectrum: Tune Spec: Scans 316-318(5.44-5.45) Bgrd 313(5.42)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	296	128.00	4182	206.00	31272	294.00	201
38.00	608	129.00	21432	207.00	3446	296.00	11360
39.00	3184	130.00	1942	208.00	889	297.00	1614
42.00	154	131.00	349	209.00	497	298.00	70
43.00	179	132.00	327	210.00	680	301.00	156
45.00	100	133.00	163	211.00	1619	302.00	174
47.00	56	134.00	653	212.00	377	303.00	1283
49.00	244	135.00	1640	213.00	162	304.00	254
50.00	11582	136.00	813	214.00	55	308.00	152
51.00	44184	137.00	781	215.00	417	309.00	62
52.00	2296	138.00	233	216.00	233	310.00	115
53.00	193	140.00	222	217.00	8066	313.00	55
55.00	54	141.00	2768	218.00	1020	314.00	487
56.00	1402	142.00	936	219.00	99	315.00	1250
57.00	2800	143.00	740	220.00	61	316.00	648
58.00	221	144.00	263	221.00	7308	317.00	187
59.00	189	145.00	175	223.00	1614	321.00	376
61.00	526	146.00	566	224.00	18360	322.00	159
62.00	505	147.00	1723	225.00	4475	323.00	3940
63.00	1714	148.00	2985	227.00	7826	324.00	733
64.00	288	149.00	628	228.00	1116	326.00	100
65.00	847	150.00	139	229.00	1606	327.00	927
66.00	105	151.00	490	230.00	62	328.00	345
69.00	42528	152.00	414	231.00	713	332.00	317
70.00	436	153.00	1084	232.00	82	333.00	522
71.00	46	154.00	636	233.00	225	334.00	2424
73.00	241	155.00	1846	234.00	608	335.00	608
74.00	4313	156.00	2285	235.00	677	336.00	125
75.00	6896	157.00	515	236.00	482	340.00	118
76.00	493	158.00	470	237.00	736	341.00	616
77.00	49816	159.00	167	238.00	145	342.00	273
78.00	3281	160.00	1017	239.00	396	346.00	764
79.00	2517	161.00	1465	240.00	340	347.00	96

Report Date: 09-Feb-2015 10:58:37 Chrom Revision: 2.2 15-Jan-2015 13:05:58
Data File: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0702.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 07-Feb-2015 10:06:30
Spectrum: Tune Spec: Scans 316-318(5.44-5.45) Bgrd 313(5.42)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	2350	162.00	525	241.00	516	352.00	1381
81.00	3333	163.00	203	242.00	1096	353.00	962
82.00	775	164.00	252	243.00	433	354.00	1368
83.00	1432	165.00	1113	244.00	15699	355.00	308
85.00	613	166.00	940	245.00	1977	359.00	67
86.00	791	167.00	6525	246.00	3050	365.00	5944
87.00	297	168.00	3520	247.00	718	366.00	1029
88.00	60	169.00	573	248.00	124	370.00	73
89.00	72	170.00	326	249.00	636	371.00	353
91.00	661	171.00	559	250.00	87	372.00	2648
92.00	985	172.00	491	251.00	176	373.00	599
93.00	5154	173.00	738	252.00	220	374.00	54
94.00	270	174.00	1211	253.00	545	383.00	740
96.00	212	175.00	2215	255.00	76440	384.00	168
97.00	311	176.00	610	256.00	11274	390.00	384
98.00	3982	177.00	1051	257.00	884	391.00	253
99.00	3608	178.00	131	258.00	4558	392.00	162
100.00	239	179.00	4201	259.00	808	396.00	58
101.00	2077	180.00	3043	260.00	133	401.00	214
102.00	71	181.00	1650	261.00	80	402.00	1135
103.00	561	182.00	323	263.00	54	403.00	1415
104.00	1382	183.00	163	264.00	390	404.00	596
105.00	1217	184.00	323	265.00	1828	415.00	80
106.00	121	185.00	1670	266.00	265	421.00	1413
107.00	14586	186.00	16616	270.00	257	422.00	855
108.00	2481	187.00	4362	271.00	276	423.00	9265
110.00	27440	188.00	353	272.00	75	424.00	1773
111.00	4275	189.00	1119	273.00	2484	425.00	182
112.00	408	190.00	311	274.00	6749	429.00	115
113.00	167	191.00	747	275.00	34816	432.00	50
114.00	199	192.00	1476	276.00	4902	434.00	54
115.00	168	193.00	1643	277.00	3090	435.00	117
116.00	603	194.00	305	278.00	549	436.00	65
117.00	12449	195.00	225	279.00	63	437.00	169

Report Date: 09-Feb-2015 10:58:37 Chrom Revision: 2.2 15-Jan-2015 13:05:58
Data File: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0702.D\8270_LLPAH_CMSK.rslt\spectra.d
Injection Date: 07-Feb-2015 10:06:30
Spectrum: Tune Spec: Scans 316-318(5.44-5.45) Bgrd 313(5.42)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 303

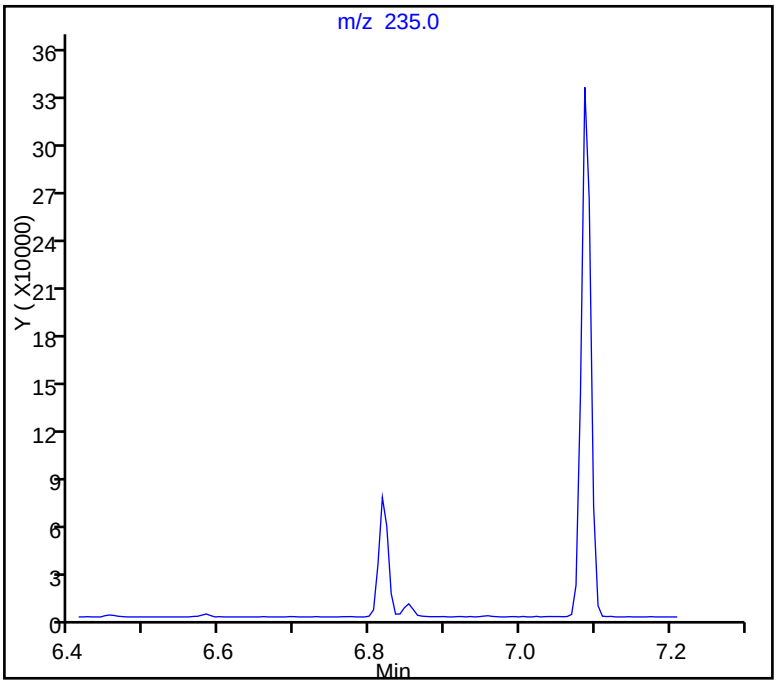
m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	1046	196.00	4210	282.00	251	438.00	171
119.00	163	198.00	123952	283.00	586	439.00	185
120.00	297	199.00	7920	284.00	376	441.00	30440
121.00	117	200.00	770	285.00	637	442.00	182336
122.00	1087	201.00	706	286.00	86	443.00	35272
123.00	1557	202.00	136	289.00	65	444.00	3404
124.00	763	203.00	351	290.00	221	445.00	177
125.00	525	204.00	4782	292.00	56	447.00	66
127.00	54008	205.00	7747	293.00	675		

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0702.D				
Injection Date:	07-Feb-2015 10:06:30	Instrument ID:	CMSK		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

29 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

29 4,4'-DDT, Area = 288353
28 4,4'-DDD, Area = 70216
30 4,4'-DDE, Area = 1062

%Breakdown: 19.82%, Max Limit: 20.00%
Passed

Report Date: 09-Feb-2015 10:58:37 Chrom Revision: 2.2 15-Jan-2015 13:05:58

Peak Tailing Report

TestAmerica Savannah

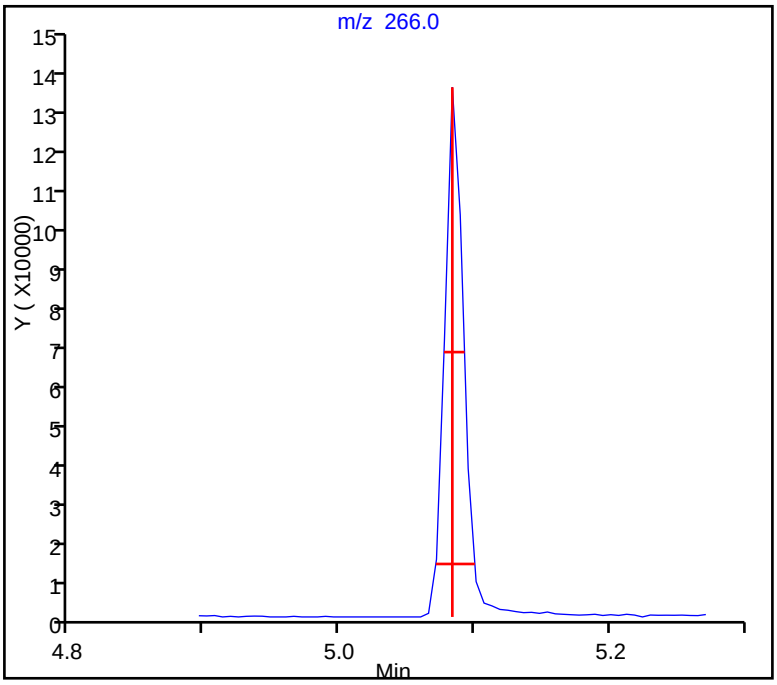
Data File: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0702.D
Injection Date: 07-Feb-2015 10:06:30 Instrument ID: CMSK
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

32 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



Report Date: 09-Feb-2015 10:58:37 Chrom Revision: 2.2 15-Jan-2015 13:05:58

Peak Tailing Report

TestAmerica Savannah

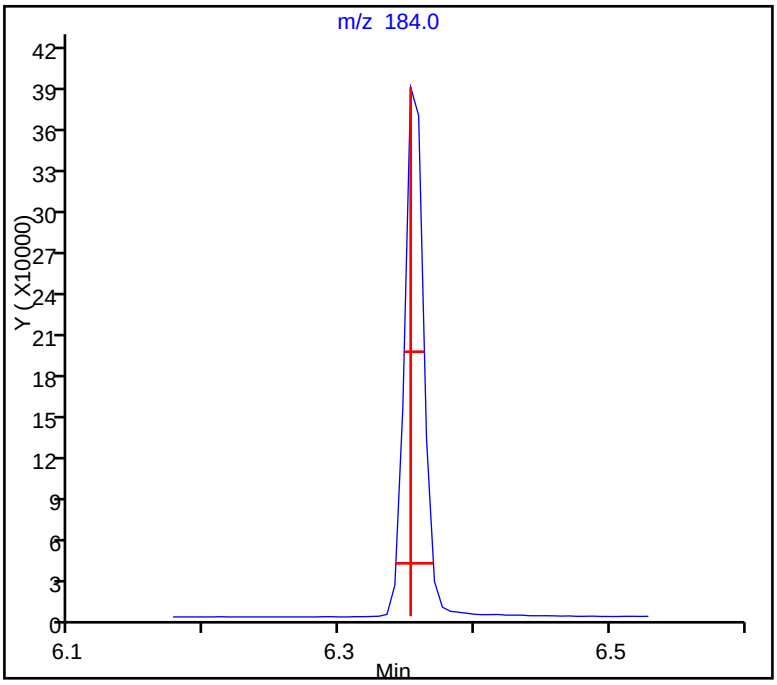
Data File: \\SAVCHROM\ChromData\CMSK\20150207-16917.b\1KB0702.D
Injection Date: 07-Feb-2015 10:06:30 Instrument ID: CMSK
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

31 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0301.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 03-Feb-2015 16:22:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 680-0016804-001
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 04-Feb-2015 09:13:59 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK035

First Level Reviewer: webbk Date: 03-Feb-2015 16:35:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	3.981	3.981	0.000	0	141474	NR	NR	
13 Benzidine_T	184	5.264	5.264	0.000	0	370953	NR	NR	
29 DFTPP									
30 4,4'-DDE	246	5.430	5.430	0.000	91	647		NR	7
31 4,4'-DDD	235	5.703	5.703	0.000	98	22476		NR	7M
32 4,4'-DDT	235	5.954	5.954	0.000	99	295357	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

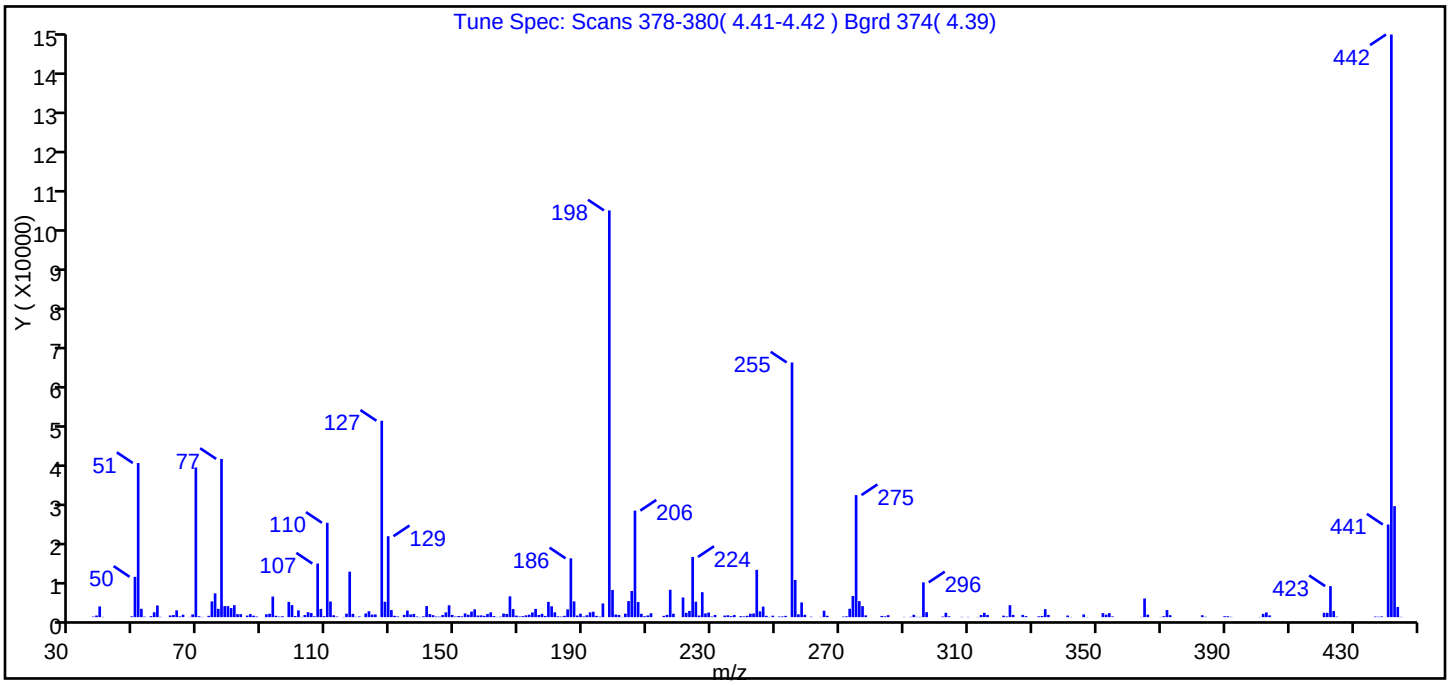
SM-LLTUNE_00082 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0301.D				
Injection Date:	03-Feb-2015 16:22:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		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				

29 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
442	base peak, or >50% of 198	100.0 (143.3)
51	10-80% of the base peak	26.4
68	<2% of mass 69	0.5 (1.8)
69	Present	25.7
70	<2% of mass 69	0.1 (0.6)
127	10-80% of the base peak	33.7
197	<2% of mass 198	0.0 (0.0)
198	base peak, or >50% of 442	69.8
199	5-9% of mass 198	4.7 (6.7)
275	10-60% of the base peak	20.9
365	>1% of the base peak	3.2
441	Present and < mass 443	15.9 (83.4)
443	15-24% of mass 442	19.1

Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0301.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 03-Feb-2015 16:22:30
Spectrum: Tune Spec: Scans 378-380(4.41-4.42) Bgrd 374(4.39)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 269

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	142	124.00	626	194.00	315	284.00	196
38.00	400	125.00	662	195.00	126	285.00	489
39.00	2637	127.00	48368	196.00	3368	290.00	55
40.00	67	128.00	3788	198.00	100160	292.00	84
49.00	193	129.00	19936	199.00	6694	293.00	577
50.00	9930	130.00	1745	200.00	647	294.00	74
51.00	37952	131.00	334	201.00	537	295.00	79
52.00	2053	132.00	166	202.00	50	296.00	8572
53.00	118	134.00	566	203.00	859	297.00	1218
55.00	248	135.00	1622	204.00	3955	302.00	141
56.00	1203	136.00	660	205.00	6434	303.00	1067
57.00	2874	137.00	788	206.00	26232	304.00	195
58.00	66	138.00	150	207.00	3715	308.00	69
61.00	416	139.00	56	208.00	832	310.00	65
62.00	513	140.00	195	209.00	225	313.00	52
63.00	1674	141.00	2726	210.00	427	314.00	518
64.00	182	142.00	758	211.00	960	315.00	1069
65.00	594	143.00	486	215.00	323	316.00	536
67.00	61	144.00	156	216.00	562	321.00	360
68.00	679	145.00	127	217.00	6743	322.00	159
69.00	36864	146.00	514	218.00	846	323.00	2945
70.00	207	147.00	1178	221.00	4844	324.00	549
71.00	57	148.00	2920	222.00	1059	327.00	564
73.00	333	149.00	546	223.00	1536	328.00	252
74.00	3878	150.00	139	224.00	14821	332.00	204
75.00	5856	151.00	284	225.00	3794	333.00	284
76.00	2033	152.00	200	226.00	396	334.00	1968
77.00	38968	153.00	919	227.00	6142	335.00	549
78.00	2723	154.00	591	228.00	916	341.00	400
79.00	2723	155.00	1369	229.00	1138	342.00	58
80.00	2235	156.00	1924	230.00	151	346.00	655
81.00	2942	157.00	403	231.00	534	347.00	50
82.00	740	158.00	441	234.00	388	352.00	985

Report Date: 04-Feb-2015 09:14:00 Chrom Revision: 2.2 15-Jan-2015 13:05:58
Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0301.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 03-Feb-2015 16:22:30
Spectrum: Tune Spec: Scans 378-380(4.41-4.42) Bgrd 374(4.39)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 269

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	740	159.00	326	235.00	464	353.00	623
85.00	392	160.00	782	236.00	245	354.00	998
86.00	760	161.00	1183	237.00	524	355.00	170
87.00	360	162.00	262	239.00	236	364.00	64
88.00	142	163.00	59	240.00	180	365.00	4597
91.00	707	164.00	114	241.00	333	366.00	613
92.00	833	165.00	876	242.00	836	370.00	53
93.00	5066	166.00	782	243.00	904	371.00	240
94.00	329	167.00	5126	244.00	11659	372.00	1742
95.00	131	168.00	1978	245.00	1432	373.00	481
96.00	217	169.00	383	246.00	2585	383.00	473
98.00	3758	170.00	155	247.00	321	384.00	82
99.00	2958	171.00	244	248.00	54	390.00	229
100.00	270	172.00	446	249.00	357	391.00	220
101.00	1667	173.00	601	251.00	151	392.00	72
102.00	61	174.00	1151	252.00	168	401.00	60
103.00	516	175.00	2043	253.00	322	402.00	807
104.00	1208	176.00	525	255.00	62720	403.00	1164
105.00	1027	177.00	815	256.00	9162	404.00	433
106.00	202	178.00	305	257.00	695	421.00	1066
107.00	13204	179.00	3752	258.00	3621	422.00	1056
108.00	2024	180.00	2680	259.00	589	423.00	7641
109.00	243	181.00	1191	261.00	102	424.00	1503
110.00	23240	182.00	198	264.00	59	425.00	110
111.00	3848	183.00	132	265.00	1579	437.00	145
112.00	462	184.00	333	266.00	334	438.00	97
113.00	145	185.00	1911	271.00	137	439.00	172
115.00	50	186.00	14487	272.00	195	441.00	22808
116.00	850	187.00	3877	273.00	2064	442.00	143488
117.00	11203	188.00	393	274.00	5199	443.00	27336
118.00	805	189.00	857	275.00	30056	444.00	2506
119.00	73	190.00	155	276.00	3942	445.00	63
120.00	166	191.00	478	277.00	2706		
122.00	896	192.00	1188	278.00	445		

Report Date: 04-Feb-2015 09:14:00 Chrom Revision: 2.2 15-Jan-2015 13:05:58
Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0301.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 03-Feb-2015 16:22:30
Spectrum: Tune Spec: Scans 378-380(4.41-4.42) Bgrd 374(4.39)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 269

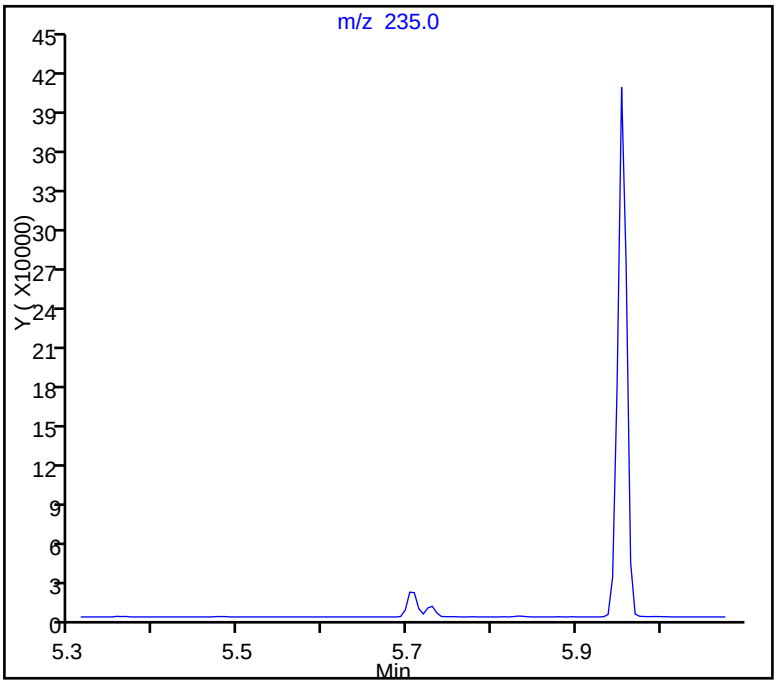
m/z	Y	m/z	Y	m/z	Y	m/z	Y
123.00	1458	193.00	1334	283.00	307		

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0301.D				
Injection Date:	03-Feb-2015 16:22:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

32 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

32 4,4'-DDT, Area = 295357
31 4,4'-DDD, Area = 22476
30 4,4'-DDE, Area = 647

%Breakdown: 7.26%, Max Limit: 20.00%
Passed

Report Date: 04-Feb-2015 09:14:00 Chrom Revision: 2.2 15-Jan-2015 13:05:58

Peak Tailing Report

TestAmerica Savannah

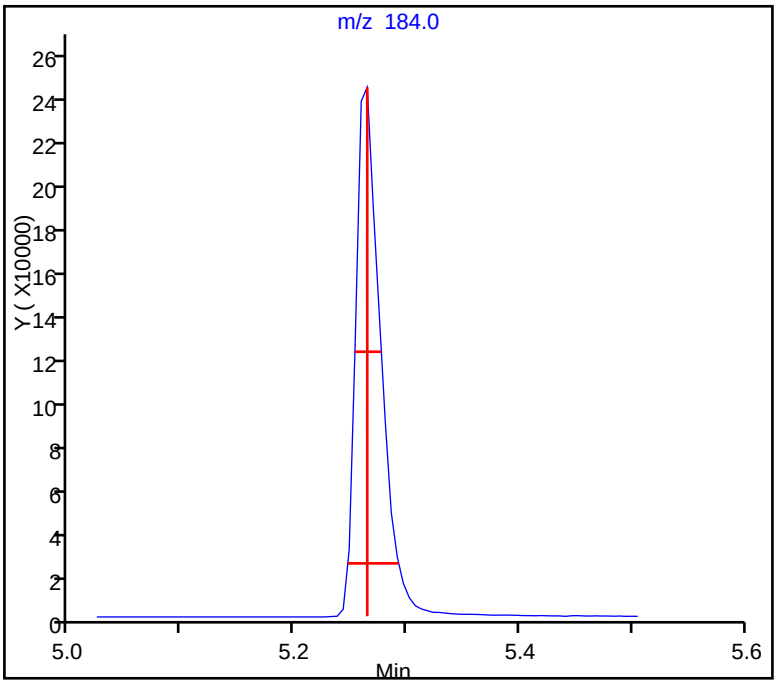
Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0301.D
Injection Date: 03-Feb-2015 16:22:30 Instrument ID: CMSY
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: 8270D_LLPAH_MSY Limit Group: 8270D_LL_PAH

13 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.028 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00
Passed



Report Date: 04-Feb-2015 09:14:00 Chrom Revision: 2.2 15-Jan-2015 13:05:58

Peak Tailing Report

TestAmerica Savannah

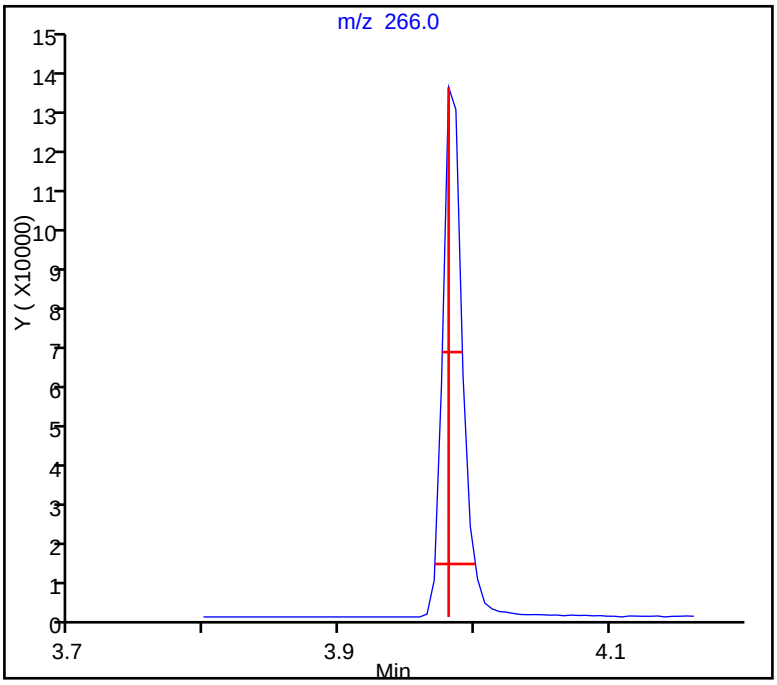
Data File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0301.D
Injection Date: 03-Feb-2015 16:22:30 Instrument ID: CMSY
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: 8270D_LLPAH_MSY Limit Group: 8270D_LL_PAH

8 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.9, Max. Tailing < 2.00
Passed



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0601.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 06-Feb-2015 16:08:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 680-0016908-001
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 08:53:29 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 06-Feb-2015 16:43:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	6.265	6.265	0.000	0	165567	NR	NR	
13 Benzidine_T	184	7.976	7.976	0.000	0	278865	NR	NR	
29 DFTPP									
30 4,4'-DDE	246	8.206	8.206	0.000	93	1237		NR	7
31 4,4'-DDD	235	8.565	8.565	0.000	99	20850		NR	7M
32 4,4'-DDT	235	8.886	8.886	0.000	98	363457	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

SM-LLTUNE_00082 Amount Added: 1.00 Units: mL

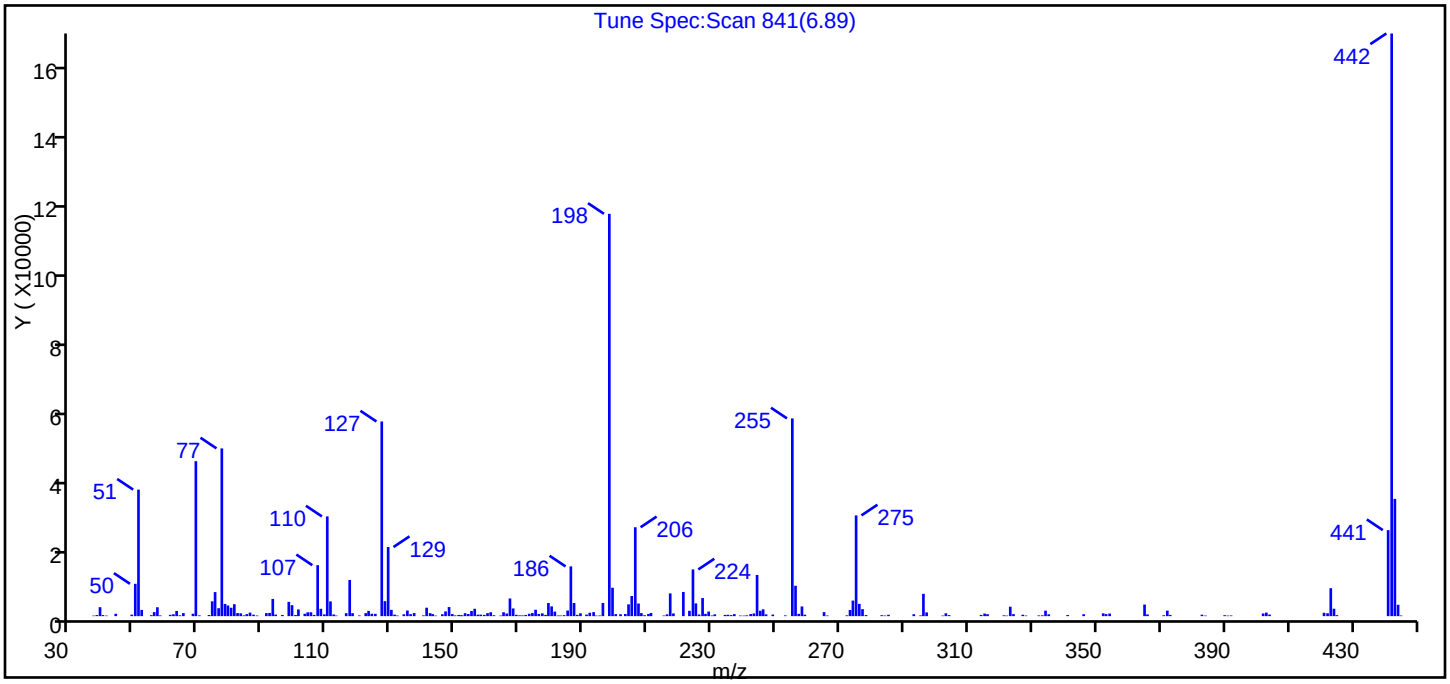
Report Date: 07-Feb-2015 08:53:29 Chrom Revision: 2.2 15-Jan-2015 13:05:58

MS Tune Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0601.D				
Injection Date:	06-Feb-2015 16:08:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		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				

29 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
442	base peak, or >90% of 198	100.0 (144.8)
51	10-80% of the base peak	21.7
68	<2% of mass 69	0.4 (1.6)
69	Present	26.6
70	<2% of mass 69	0.1 (0.5)
127	10-80% of the base peak	33.4
197	<2% of mass 198	0.0 (0.0)
198	base peak, or >50% of 442	69.0
199	5-9% of mass 198	4.9 (7.1)
275	10-60% of the base peak	17.3
365	>1% of the base peak	2.0
441	Present and < mass 443	14.8 (73.4)
443	15-24% of mass 442	20.1

Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0601.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 06-Feb-2015 16:08:30
Spectrum: Tune Spec:Scan 841(6.89)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 238

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.10	155	117.90	838	185.00	1601	272.10	228
38.10	307	120.00	199	186.00	14171	273.10	1747
39.10	2558	122.00	847	187.00	3742	274.00	4432
40.00	304	122.90	1502	188.00	373	275.00	28704
41.10	156	123.90	672	189.00	821	276.00	3495
44.00	671	125.00	657	190.90	438	277.00	1997
49.00	419	127.00	55464	191.90	970	278.10	306
50.10	9211	128.00	4267	193.10	1143	283.00	269
51.10	36048	129.00	19696	193.90	162	284.00	178
52.10	1777	130.00	1794	195.00	188	285.10	393
55.10	270	131.00	435	196.00	3755	293.00	543
56.00	1149	131.90	168	198.00	114632	295.10	202
57.00	2532	133.90	537	199.00	8093	296.00	6365
57.90	191	135.00	1605	200.00	573	297.00	1064
61.00	379	136.00	571	201.50	546	302.00	157
62.00	534	137.10	877	203.00	609	303.00	812
63.00	1475	140.00	217	204.00	3356	304.00	297
64.00	230	141.00	2404	205.00	5744	314.00	345
65.10	866	142.10	850	206.10	25328	315.10	727
68.10	688	142.90	560	207.10	3593	316.00	559
69.00	44160	143.80	160	208.00	861	321.10	228
70.10	216	145.90	527	209.00	264	322.00	152
73.10	318	146.90	1335	210.20	612	323.10	2683
74.10	4219	148.00	2589	211.00	911	324.10	576
75.00	6856	149.00	592	215.00	172	327.00	405
76.10	2266	149.90	220	216.00	503	328.00	171
77.10	47792	151.00	340	217.00	6479	332.00	209
78.10	3482	151.70	236	218.00	775	333.10	237
79.00	3044	152.10	208	221.10	6889	334.10	1562
80.00	2393	153.00	838	223.00	1520	335.10	520
81.00	3396	154.00	599	224.10	13307	341.00	317
82.00	874	155.00	1472	225.00	3621	346.00	541
83.00	806	156.00	2103	226.00	463	352.10	806

Report Date: 07-Feb-2015 08:53:29 Chrom Revision: 2.2 15-Jan-2015 13:05:58
Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0601.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 06-Feb-2015 16:08:30
Spectrum: Tune Spec:Scan 841(6.89)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 238

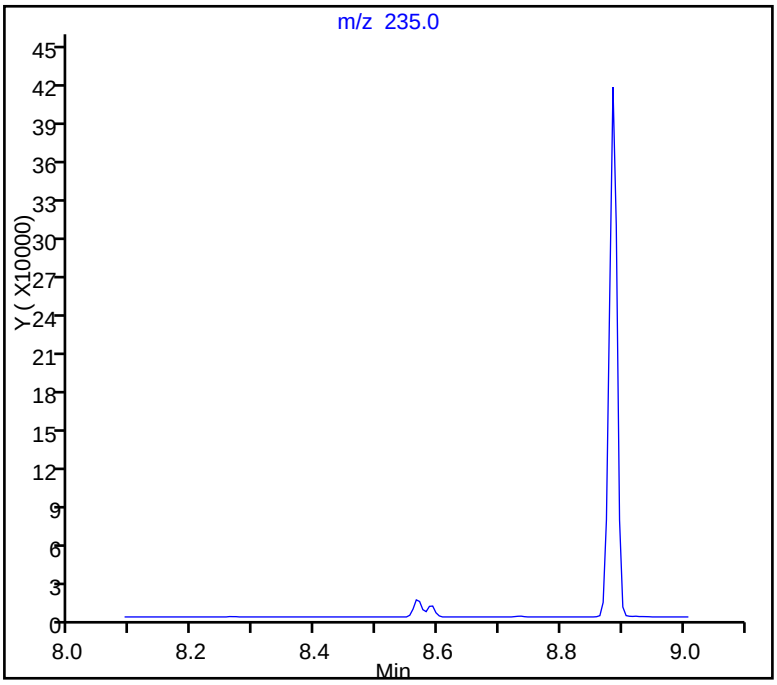
m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	222	157.00	421	227.10	5155	353.00	577
84.90	573	157.90	433	228.00	648	354.10	734
85.90	1000	159.00	357	229.00	1302	365.00	3303
87.00	421	160.00	857	230.00	180	365.90	484
88.10	177	161.00	1110	230.90	515	371.00	263
91.00	868	162.00	266	234.10	353	372.10	1569
92.00	915	164.10	164	235.00	390	373.00	356
93.00	4904	165.00	1111	236.00	295	382.90	421
93.90	442	166.00	746	237.00	583	384.00	164
96.00	336	167.00	5033	238.90	174	390.00	267
98.00	4074	168.00	2187	240.00	156	391.00	158
99.00	3125	169.00	385	240.90	230	392.00	189
100.10	323	170.00	228	242.10	592	402.00	765
101.00	1903	170.90	209	243.10	763	403.00	1003
103.00	672	171.90	346	244.10	11745	404.00	452
103.90	1088	173.00	670	245.10	1549	421.00	956
104.90	1105	174.00	885	246.00	1943	422.10	828
105.90	357	175.00	1823	246.90	504	423.10	7970
107.00	14518	176.00	638	249.00	450	424.10	2112
108.00	2092	177.10	789	252.90	219	425.00	281
109.10	498	178.10	355	255.10	56336	441.00	24512
110.00	28408	179.00	3751	256.10	8652	442.10	166016
111.00	4199	180.00	2773	257.10	658	443.10	33416
112.00	481	181.00	1289	258.10	2760	444.10	3244
112.80	156	182.00	178	259.00	419	445.00	181
115.90	844	182.80	184	265.00	1141		
117.00	10298	183.90	284	266.00	182		

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0601.D				
Injection Date:	06-Feb-2015 16:08:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

32 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

32 4,4'-DDT, Area = 363457
31 4,4'-DDD, Area = 20850
30 4,4'-DDE, Area = 1237

%Breakdown: 5.73%, Max Limit: 20.00%
Passed

Report Date: 07-Feb-2015 08:53:29 Chrom Revision: 2.2 15-Jan-2015 13:05:58

Peak Tailing Report

TestAmerica Savannah

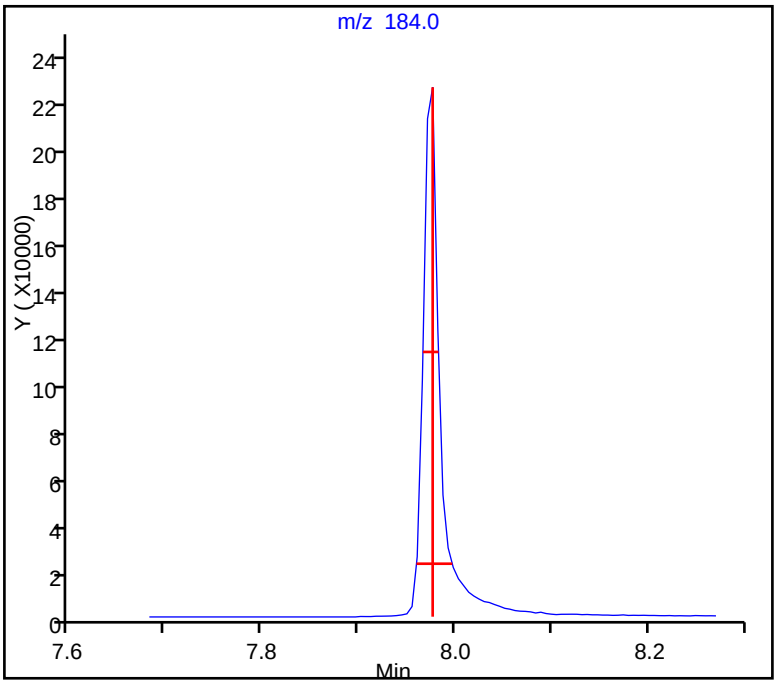
Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0601.D
Injection Date: 06-Feb-2015 16:08:30 Instrument ID: CMSY
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: 8270D_LLPAH_MSY Limit Group: 8270D_LL_PAH

13 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Savannah

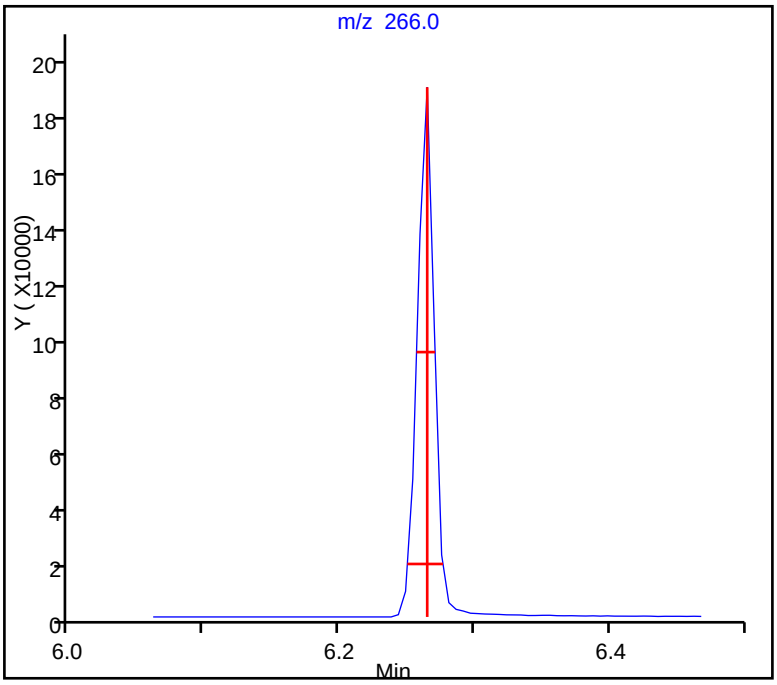
Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0601.D				
Injection Date:	06-Feb-2015 16:08:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

8 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.8, Max. Tailing < 2.00
Passed



TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0701.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-Feb-2015 12:42:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 680-0016926-001
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 09-Feb-2015 10:16:24 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: webbk Date: 07-Feb-2015 13:06:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	6.233	6.233	0.000	0	159200	NR	NR	
13 Benzidine_T	184	7.939	7.939	0.000	0	343626	NR	NR	
29 DFTPP									
30 4,4'-DDE	246	8.169	8.169	0.000	91	817		NR	7
31 4,4'-DDD	235	8.538	8.538	0.000	98	48171		NR	7M
32 4,4'-DDT	235	8.853	8.853	0.000	98	344573	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

SM-LLTUNE_00082 Amount Added: 1.00 Units: mL

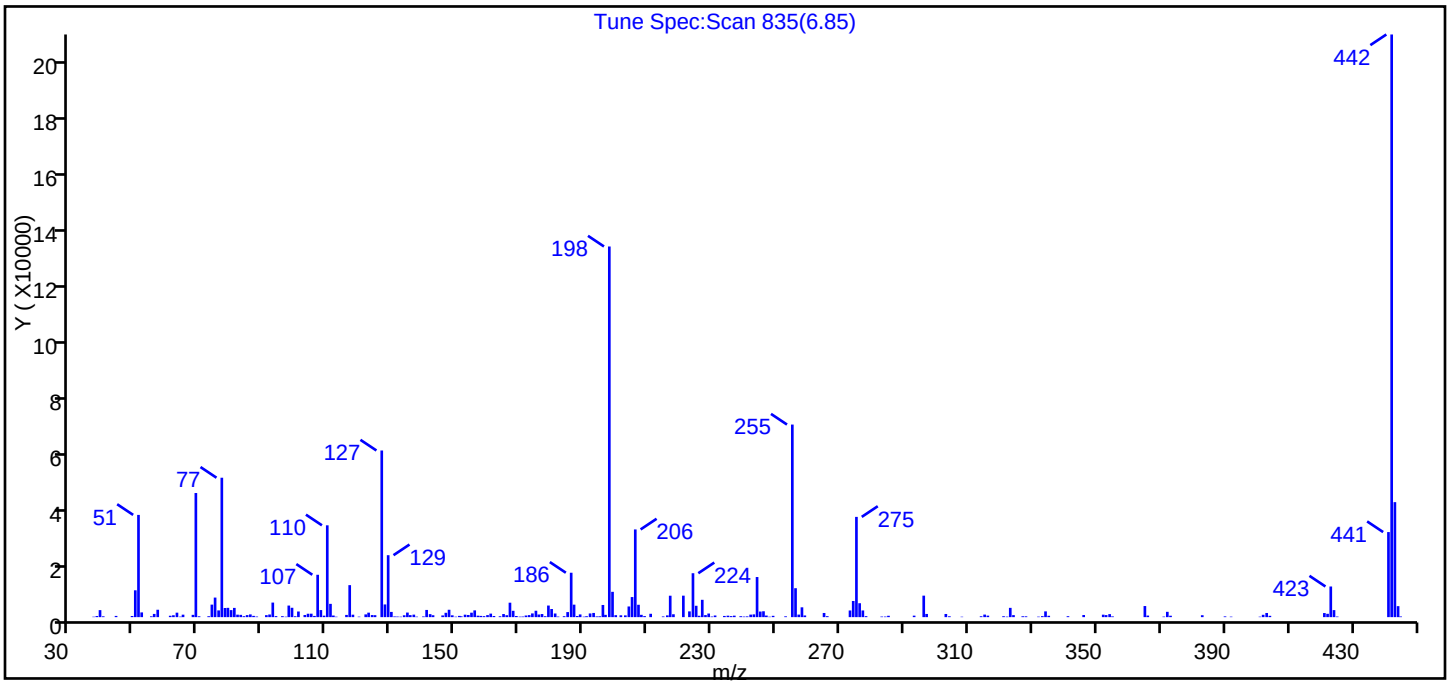
Report Date: 09-Feb-2015 10:16:25 Chrom Revision: 2.2 15-Jan-2015 13:05:58

MS Tune Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0701.D				
Injection Date:	07-Feb-2015 12:42:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		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				

29 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
442	base peak, or >90% of 198	100.0 (157.2)
51	10-80% of the base peak	17.5
68	<2% of mass 69	0.4 (1.8)
69	Present	21.3
70	<2% of mass 69	0.1 (0.7)
127	10-80% of the base peak	28.6
197	<2% of mass 198	0.4 (0.6)
198	base peak, or >50% of 442	63.6
199	5-9% of mass 198	4.3 (6.8)
275	10-60% of the base peak	17.2
365	>1% of the base peak	1.9
441	Present and < mass 443	14.6 (74.0)
443	15-24% of mass 442	19.7

Data File: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0701.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 07-Feb-2015 12:42:30
Spectrum: Tune Spec:Scan 835(6.85)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 236

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.10	153	118.00	872	185.00	1796	259.00	595
38.10	389	119.90	173	186.10	15766	265.00	1477
39.10	2488	122.00	975	187.00	4433	266.00	342
40.10	292	122.90	1592	188.00	409	273.10	2366
44.10	436	124.00	740	188.90	961	274.10	5735
49.10	407	124.90	695	190.10	158	275.10	35592
50.10	9530	127.00	59160	190.90	321	276.10	4943
51.10	36296	128.00	4510	192.00	1311	277.10	2375
52.10	1683	129.00	21992	193.10	1489	278.10	349
55.10	288	130.00	1856	194.10	249	283.00	209
56.00	1142	131.00	241	195.00	290	284.10	202
57.10	2624	131.90	205	196.00	4321	285.10	487
61.00	493	132.90	159	196.80	818	293.10	530
62.00	668	134.00	661	198.00	131584	296.10	7630
63.10	1586	135.00	1626	199.00	8990	297.00	1135
64.20	185	135.90	722	200.00	695	303.00	1121
65.00	880	137.00	887	201.60	653	304.10	305
68.10	813	137.90	171	203.00	627	308.00	151
69.00	44064	140.00	245	204.10	3789	314.00	315
70.00	297	141.00	2556	205.10	7128	315.10	907
73.00	323	142.10	1065	206.10	31136	316.10	534
74.00	4445	143.00	672	207.10	4393	321.00	320
75.00	6944	146.00	607	208.00	822	322.10	184
76.10	2392	147.00	1541	209.00	370	323.10	3298
77.10	49496	148.00	2620	210.90	1192	324.10	715
78.10	3249	149.00	645	214.80	245	327.00	310
79.00	3304	150.10	161	216.10	623	328.00	289
80.00	2495	151.20	450	217.00	7609	331.90	176
81.00	3281	151.80	283	218.00	1025	333.10	352
82.00	878	153.00	875	221.10	7627	334.10	2047
83.00	813	154.00	766	223.00	2048	335.10	483
84.00	334	155.00	1578	224.10	15589	341.10	331
85.00	726	156.00	2402	225.10	4036	346.00	751

Report Date: 09-Feb-2015 10:16:25 Chrom Revision: 2.2 15-Jan-2015 13:05:58
Data File: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0701.D\8270D_LLPAH_MSY.rslt\spectra.d
Injection Date: 07-Feb-2015 12:42:30
Spectrum: Tune Spec:Scan 835(6.85)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 236

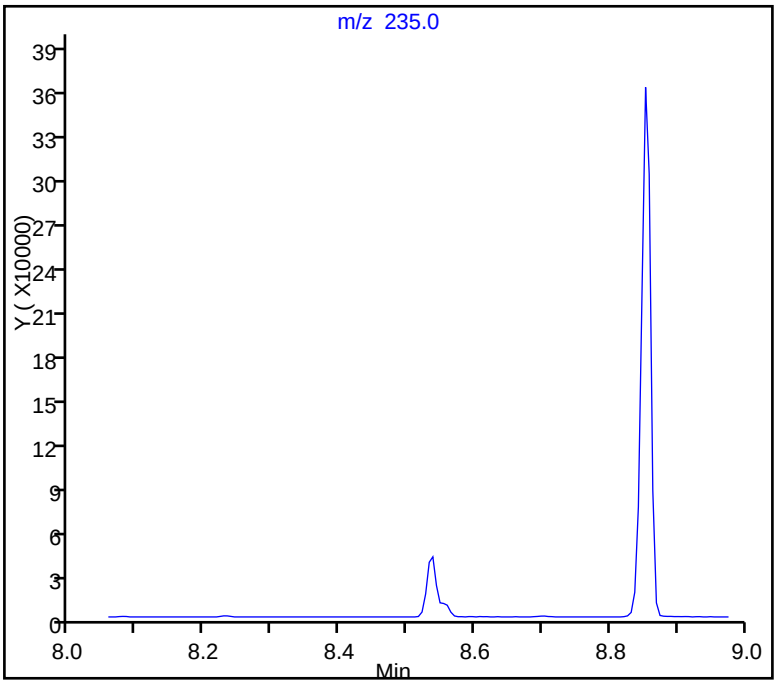
m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	971	157.00	521	226.00	487	352.10	876
87.00	455	157.90	445	227.00	6154	353.00	728
88.00	210	158.90	350	228.00	730	354.10	1076
91.00	705	160.00	724	229.00	1281	355.00	265
92.00	937	161.00	1250	230.00	212	365.10	3942
93.00	5170	162.00	403	231.00	583	366.00	555
94.00	366	163.90	304	233.90	425	371.00	195
96.00	341	165.00	1103	235.00	518	372.10	1888
97.10	160	166.00	682	236.00	368	373.10	503
98.00	4111	167.00	5130	237.00	527	383.00	683
99.00	3328	168.00	2248	239.00	328	390.10	267
100.00	315	169.00	408	240.00	204	392.00	178
101.00	2003	170.10	174	241.00	265	401.00	167
103.00	766	171.00	211	242.10	898	402.00	832
104.00	1208	172.00	581	243.10	983	403.10	1476
105.00	1227	173.00	721	244.10	14241	404.10	469
106.00	430	174.00	1321	245.10	1984	421.10	1454
107.00	15041	175.10	2269	246.10	2086	422.10	1184
108.00	2513	176.00	931	247.00	562	423.10	10879
109.00	523	177.00	1105	248.00	150	424.10	2494
110.00	32600	178.00	325	249.10	469	425.10	210
111.00	4718	179.00	4118	253.00	294	441.10	30200
111.90	572	180.00	2883	255.10	68368	442.10	206848
112.80	154	181.10	1292	256.10	10272	443.10	40824
116.00	790	182.00	206	257.10	904	444.10	3902
117.00	11360	183.90	329	258.10	3490	444.90	236

Breakdown Report

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0701.D				
Injection Date:	07-Feb-2015 12:42:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

32 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

32 4,4'-DDT, Area = 344573
31 4,4'-DDD, Area = 48171
30 4,4'-DDE, Area = 817

%Breakdown: 12.45%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Savannah

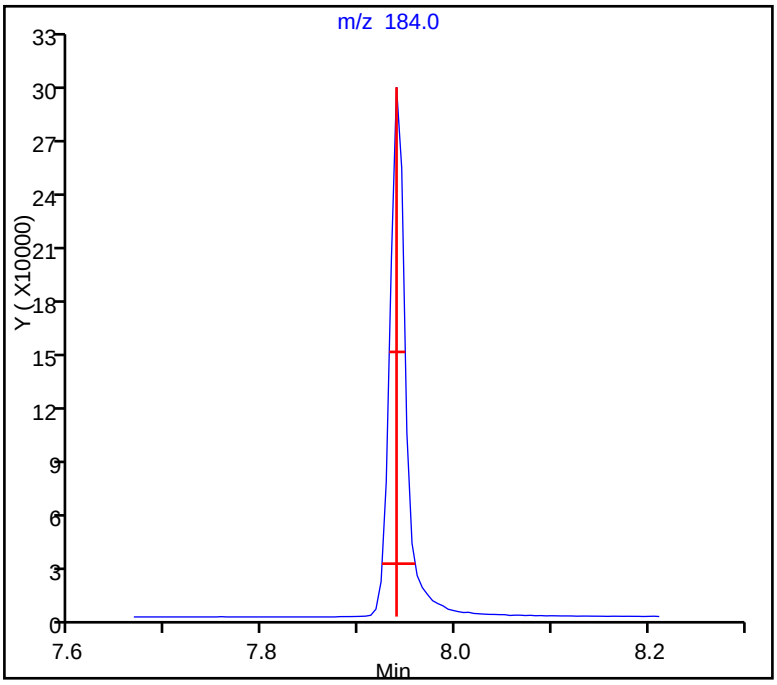
Data File:	\\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0701.D				
Injection Date:	07-Feb-2015 12:42:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

13 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Savannah

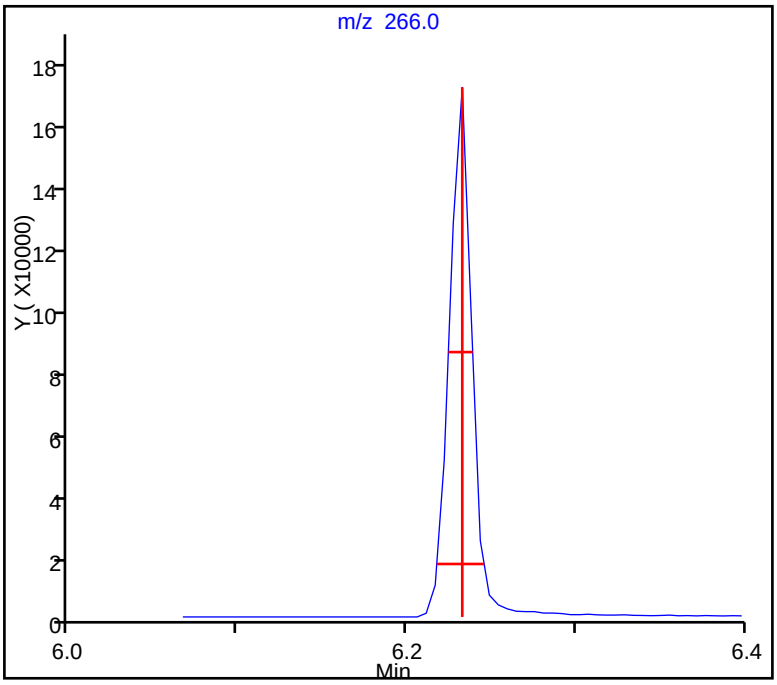
Data File:	\\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0701.D				
Injection Date:	07-Feb-2015 12:42:30	Instrument ID:	CMSY		
Lims ID:	DFTPP				
Client ID:					
Operator ID:		ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

8 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.9, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG No.: 680-109515-02
Client Sample ID:
Lab Sample ID: MB 680-369207/21-A
Matrix: Solid
Lab File ID: 1KB0612.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 02/02/2015 14:00
Sample wt/vol: 29.99(g)
Date Analyzed: 02/06/2015 16:43
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 369912
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	72		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0612.D				
Lims ID:	MB 680-369207/21-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	06-Feb-2015 16:43:30	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 680-369207/21-A				
Misc. Info.:	680-0016900-012				
Operator ID:		Instrument ID:	CMSK		
Method:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\8270_LLPAH_CMSK.m				
Limit Group:	8270D_LL_PAH				
Last Update:	07-Feb-2015 09:08:18	Calib Date:	04-Feb-2015 11:35:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK048				
First Level Reviewer: webbk		Date:	07-Feb-2015 08:55:00		

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	4.114	4.126	-0.012	99	564491	2.00	2.00	
* 2 Acenaphthene-d10	164	5.912	5.912	0.000	92	308462	2.00	2.00	
* 3 Phenanthrene-d10	188	7.522	7.527	-0.005	99	470780	2.00	2.00	
* 4 Chrysene-d12	240	10.348	10.354	-0.006	99	405215	2.00	2.00	
* 5 Perylene-d12	264	11.822	11.823	-0.001	98	363833	2.00	2.00	
$ 6 o-Terphenyl	230	7.968	7.968	0.000	90	231071	2.00	1.45	

Reagents:

SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 09:08:28 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0612.D

Injection Date: 06-Feb-2015 16:43:30 Instrument ID: CMSK Operator ID:

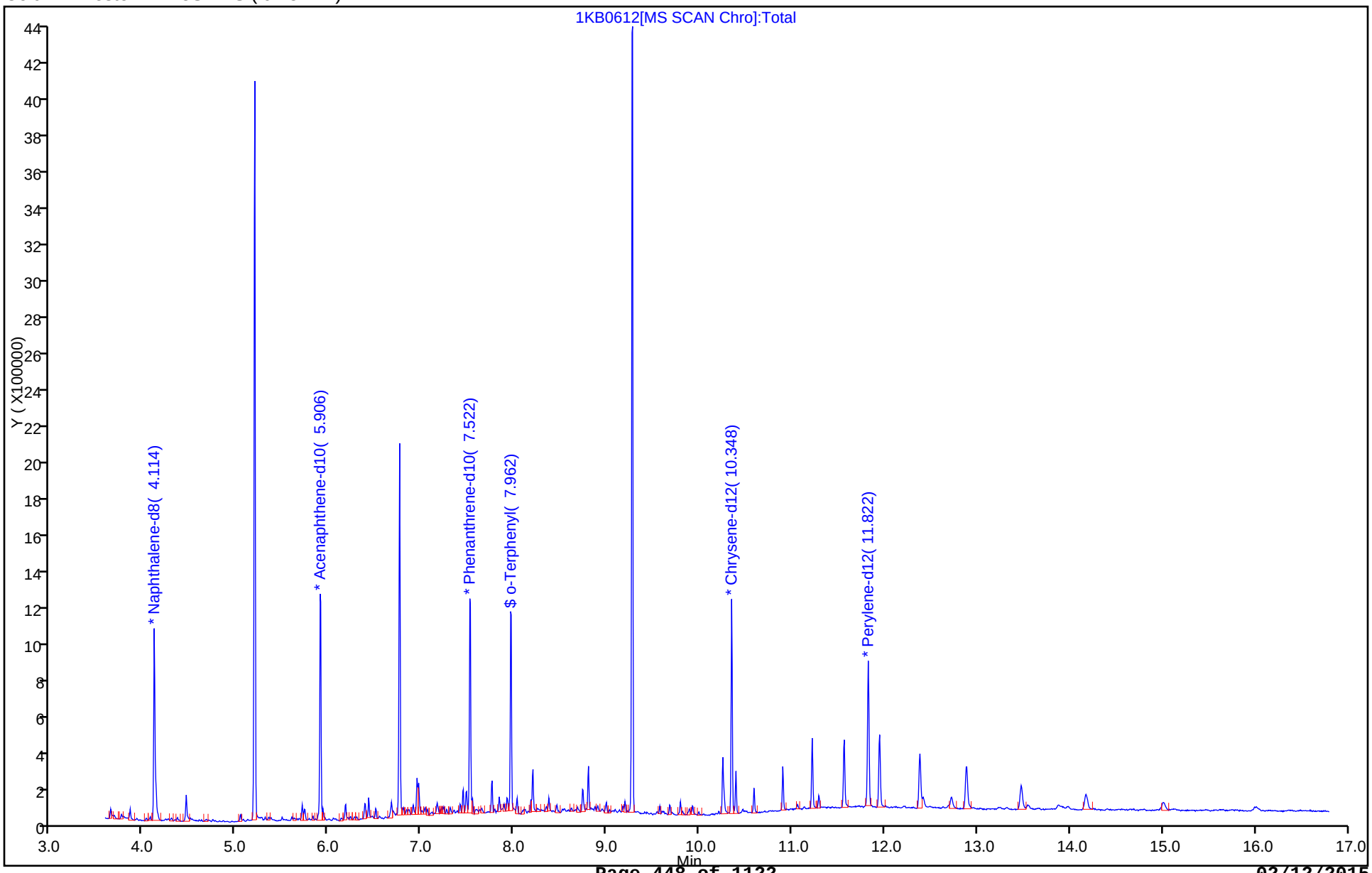
Lims ID: MB 680-369207/21-A Worklist Smp#: 12

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 12

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG No.: 680-109515-02
Client Sample ID:
Lab Sample ID: MB 680-369210/18-A
Matrix: Solid
Lab File ID: 2YB0605.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 02/02/2015 14:35
Sample wt/vol: 30.00(g)
Date Analyzed: 02/06/2015 17:38
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.: 369958
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	112		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0605.D				
Lims ID:	MB 680-369210/18-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	06-Feb-2015 17:38:30	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 369210/18-A				
Misc. Info.:	680-0016908-005				
Operator ID:		Instrument ID:	CMSY		
Method:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m				
Limit Group:	8270D_LL_PAH				
Last Update:	07-Feb-2015 08:53:30	Calib Date:	03-Feb-2015 18:57:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D				
Column 1 :	Restek RXi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK048				
First Level Reviewer: webbk		Date:	07-Feb-2015 08:30:49		

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	3.104	3.109	-0.005	98	406267	2.00	2.00	
* 2 Acenaphthene-d10	164	4.836	4.842	-0.006	91	236024	2.00	2.00	
* 3 Phenanthrene-d10	188	6.436	6.436	0.000	98	388912	2.00	2.00	
* 4 Chrysene-d12	240	9.324	9.324	0.000	99	317707	2.00	2.00	
* 5 Perylene-d12	264	10.677	10.677	0.000	99	240117	2.00	2.00	
$ 6 o-Terphenyl	230	6.912	6.912	0.000	92	213280	2.00	2.24	
11 1,1'-Biphenyl	154	4.168	4.264	-0.096	26	2072		NC	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

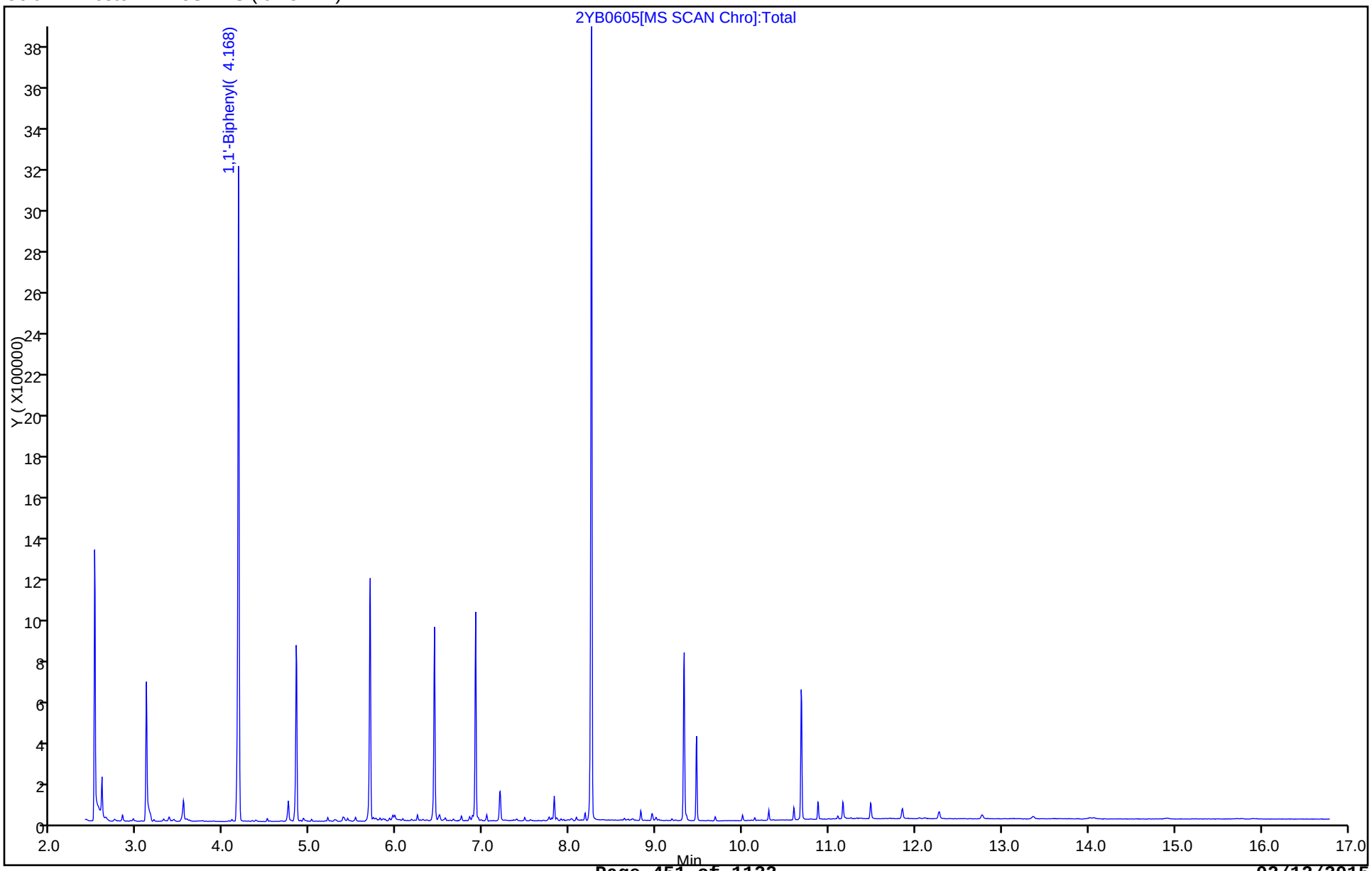
SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 08:53:33 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0605.D				
Injection Date:	06-Feb-2015 17:38:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	MB 680-369210/18-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG No.: 680-109515-02
Client Sample ID:
Lab Sample ID: MB 680-369331/9-A
Matrix: Solid
Lab File ID: 2YB0706.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 02/03/2015 13:35
Sample wt/vol: 30.02(g)
Date Analyzed: 02/07/2015 14:33
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.: 370012
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	109		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0706.D
Lims ID: MB 680-369331/9-A
Client ID:
Sample Type: MB
Inject. Date: 07-Feb-2015 14:33:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: MB 369331/9-A
Misc. Info.: 680-0016926-006
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 09-Feb-2015 10:16:25 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: webbk Date: 09-Feb-2015 09:21:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.072	3.077	-0.005	98	532991	2.00	2.00	
* 2 Acenaphthene-d10	164	4.805	4.805	0.000	91	312243	2.00	2.00	
* 3 Phenanthrene-d10	188	6.398	6.398	0.000	98	503530	2.00	2.00	
* 4 Chrysene-d12	240	9.287	9.292	-0.005	99	347363	2.00	2.00	
* 5 Perylene-d12	264	10.645	10.645	0.000	99	245128	2.00	2.00	
$ 6 o-Terphenyl	230	6.874	6.880	-0.006	92	226264	2.00	2.18	
11 1,1'-Biphenyl	154	4.136	4.227	-0.091	26	2190		NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Feb-2015 10:16:30 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0706.D

Injection Date: 07-Feb-2015 14:33:30 Instrument ID: CMSY Operator ID:

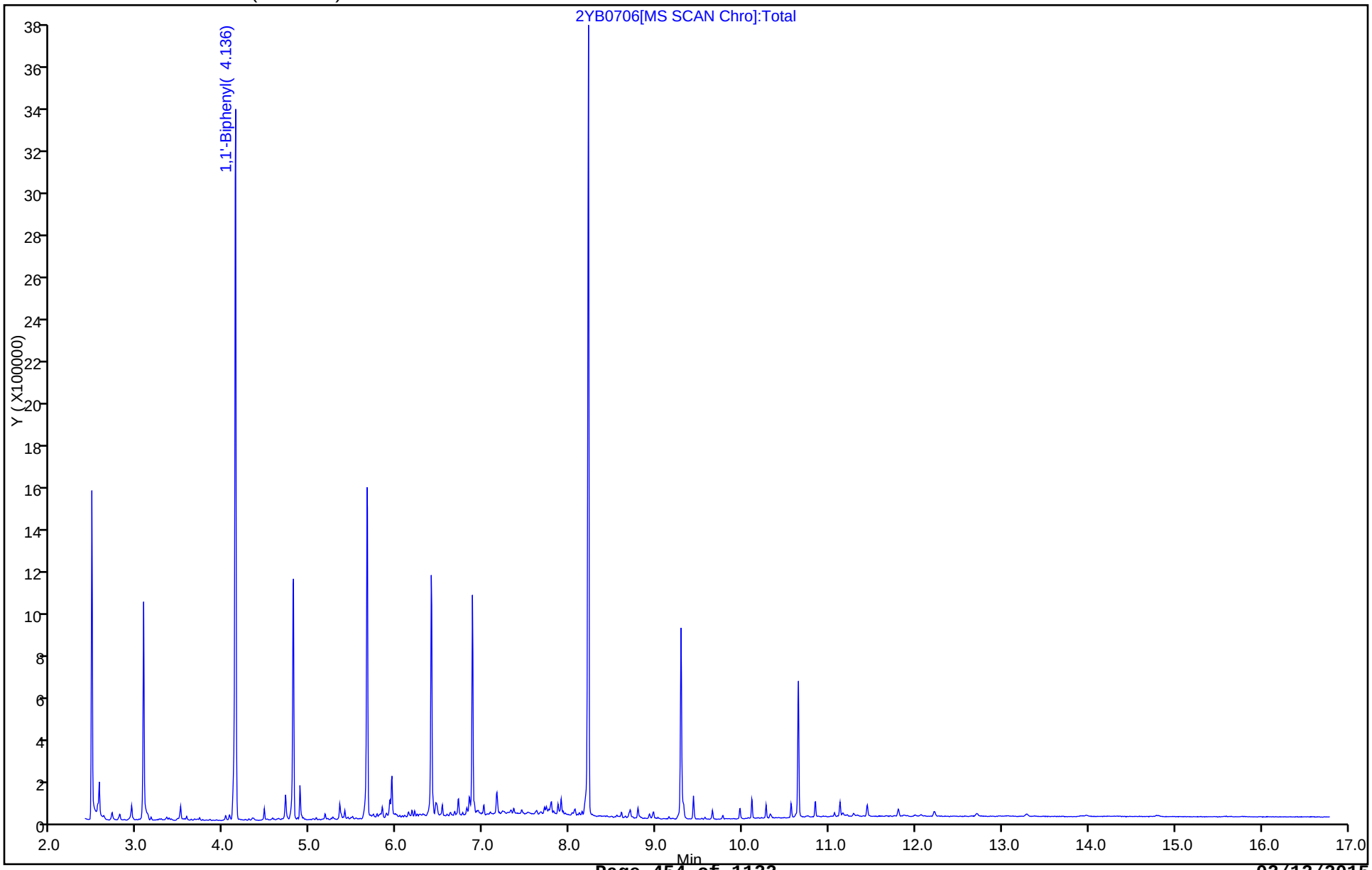
Lims ID: MB 680-369331/9-A Worklist Smp#: 6

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270D_LLPAH_MSY Limit Group: 8270D_LL_PAH

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG No.: 680-109515-02
Client Sample ID:
Lab Sample ID: LCS 680-369207/22-A
Matrix: Solid
Lab File ID: 1KB0613.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 02/02/2015 14:00
Sample wt/vol: 30.03(g)
Date Analyzed: 02/06/2015 17:06
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 369912
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	180		6.7	3.3
208-96-8	Acenaphthylene	179		6.7	3.3
120-12-7	Anthracene	194		6.7	3.3
56-55-3	Benzo[a]anthracene	194		6.7	3.3
50-32-8	Benzo[a]pyrene	192		6.7	1.2
205-99-2	Benzo[b]fluoranthene	199		6.7	3.3
191-24-2	Benzo[g,h,i]perylene	209		6.7	3.3
207-08-9	Benzo[k]fluoranthene	188		6.7	2.0
218-01-9	Chrysene	181		6.7	3.3
53-70-3	Dibenz(a,h)anthracene	205		6.7	3.3
206-44-0	Fluoranthene	201		6.7	3.3
86-73-7	Fluorene	194		6.7	3.3
193-39-5	Indeno[1,2,3-cd]pyrene	212		6.7	3.3
90-12-0	1-Methylnaphthalene	179		6.7	3.1
91-57-6	2-Methylnaphthalene	184		6.7	3.3
91-20-3	Naphthalene	174		6.7	3.3
85-01-8	Phenanthrene	184		6.7	2.4
129-00-0	Pyrene	177		6.7	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	59		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0613.D
Lims ID: LCS 680-369207/22-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Feb-2015 17:06:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: LCS 680-369207/22-A
Misc. Info.: 680-0016900-013
Operator ID: Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 09:08:18 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 07-Feb-2015 08:55:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.120	4.126	-0.006	99	528679	2.00	2.00	
* 2 Acenaphthene-d10	164	5.912	5.912	0.000	91	297443	2.00	2.00	
* 3 Phenanthrene-d10	188	7.528	7.527	0.001	99	459823	2.00	2.00	
* 4 Chrysene-d12	240	10.354	10.354	0.000	99	436943	2.00	2.00	
* 5 Perylene-d12	264	11.823	11.823	0.000	99	413369	2.00	2.00	
$ 6 o-Terphenyl	230	7.968	7.968	0.000	88	204363	2.00	1.19	
7 Naphthalene	128	4.137	4.143	-0.006	99	1583677	10.0	5.23	
9 2-Methylnaphthalene	142	4.819	4.825	-0.006	85	1050509	10.0	5.53	
8 1-Methylnaphthalene	142	4.925	4.925	0.000	93	924704	10.0	5.38	
10 1,1'-Biphenyl	154	5.307	5.307	0.000	99	1224436	10.0	5.49	
11 Acenaphthylene	152	5.759	5.759	0.000	97	1544928	10.0	5.39	
12 Acenaphthene	153	5.947	5.947	0.000	96	1003784	10.0	5.39	
13 Dibenzofuran	168	6.135	6.135	0.000	99	1369343	10.0	5.81	
14 Fluorene	166	6.505	6.505	0.000	95	1147415	10.0	5.83	
15 Phenanthrene	178	7.557	7.551	0.006	96	1581584	10.0	5.52	
16 Anthracene	178	7.610	7.610	0.000	98	1542773	10.0	5.83	
17 Fluoranthene	202	8.856	8.855	0.001	97	1800192	10.0	6.05	
18 Pyrene	202	9.096	9.096	0.000	97	1867602	10.0	5.30	
19 Benzo[a]anthracene	228	10.342	10.342	0.000	98	1638946	10.0	5.82	
20 Chrysene	228	10.377	10.377	0.000	97	1467794	10.0	5.43	
21 Benzo[b]fluoranthene	252	11.411	11.405	0.006	98	1722925	10.0	5.99	
22 Benzo[k]fluoranthene	252	11.435	11.435	0.000	99	1575780	10.0	5.64	
23 Benzo[a]pyrene	252	11.764	11.764	0.000	97	1435422	10.0	5.78	
24 Indeno[1,2,3-cd]pyrene	276	13.239	13.239	0.000	97	1516624	10.0	6.36	
25 Dibenz(a,h)anthracene	278	13.268	13.268	0.000	97	1227258	10.0	6.17	
26 Benzo[g,h,i]perylene	276	13.662	13.662	0.000	97	1326271	10.0	6.28	

Reagents:

SM-LLISTD_00118 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 07-Feb-2015 09:08:29 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0613.D

Injection Date: 06-Feb-2015 17:06:30 Instrument ID: CMSK Operator ID:

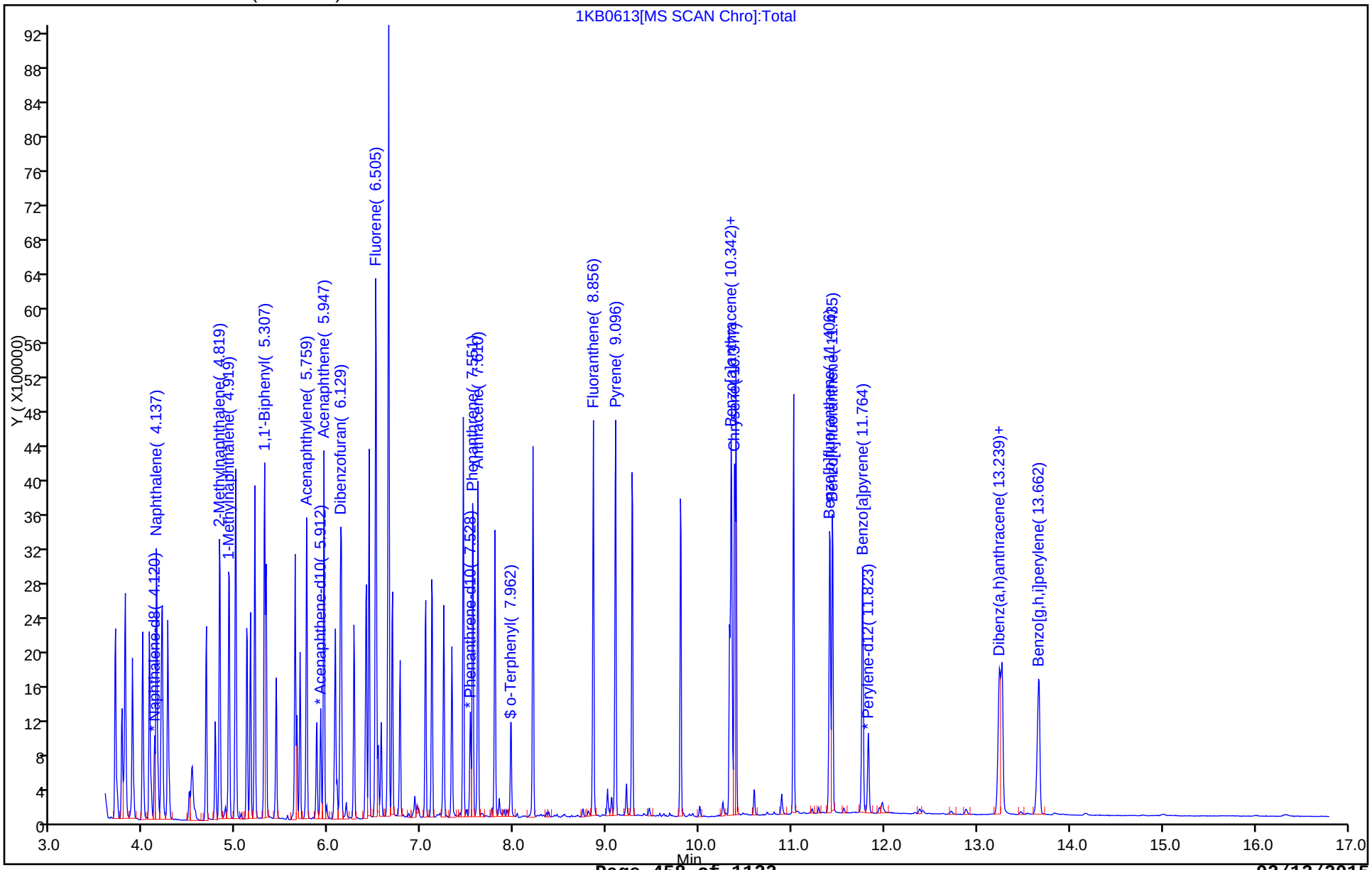
Lims ID: LCS 680-369207/22-A Worklist Smp#: 13

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 13

Method: 8270_LLPAH_CMSK Limit Group: 8270D_LL_PAH

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG No.: 680-109515-02
Client Sample ID:
Lab Sample ID: LCS 680-369210/19-A
Matrix: Solid
Lab File ID: 2YB0606.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 02/02/2015 14:35
Sample wt/vol: 30.06(g)
Date Analyzed: 02/06/2015 18:00
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.: 369958
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	231		6.7	3.3
208-96-8	Acenaphthylene	235		6.7	3.3
120-12-7	Anthracene	255		6.7	3.3
56-55-3	Benzo[a]anthracene	267		6.7	3.3
50-32-8	Benzo[a]pyrene	254		6.7	1.2
205-99-2	Benzo[b]fluoranthene	257		6.7	3.3
191-24-2	Benzo[g,h,i]perylene	240		6.7	3.3
207-08-9	Benzo[k]fluoranthene	265		6.7	2.0
218-01-9	Chrysene	275		6.7	3.3
53-70-3	Dibenz(a,h)anthracene	248		6.7	3.3
206-44-0	Fluoranthene	246		6.7	3.3
86-73-7	Fluorene	233		6.7	3.3
193-39-5	Indeno[1,2,3-cd]pyrene	230		6.7	3.3
90-12-0	1-Methylnaphthalene	210		6.7	3.1
91-57-6	2-Methylnaphthalene	215		6.7	3.3
91-20-3	Naphthalene	218		6.7	3.3
85-01-8	Phenanthrene	241		6.7	2.4
129-00-0	Pyrene	249		6.7	3.3

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

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0606.D
Lims ID: LCS 680-369210/19-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Feb-2015 18:00:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: LCS 369210/19-A
Misc. Info.: 680-0016908-006
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 08:53:30 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 07-Feb-2015 08:31:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.109	3.109	0.000	98	430938	2.00	2.00	
* 2 Acenaphthene-d10	164	4.842	4.842	0.000	90	236440	2.00	2.00	
* 3 Phenanthrene-d10	188	6.441	6.436	0.005	98	385593	2.00	2.00	
* 4 Chrysene-d12	240	9.335	9.324	0.011	99	368603	2.00	2.00	
* 5 Perylene-d12	264	10.683	10.677	0.006	98	332691	2.00	2.00	
$ 6 o-Terphenyl	230	6.912	6.912	0.000	91	202365	2.00	1.84	
7 Naphthalene	128	3.125	3.125	0.000	99	1637897	10.0	6.56	
9 2-Methylnaphthalene	142	3.783	3.783	0.000	87	1108852	10.0	6.47	
10 1-Methylnaphthalene	142	3.879	3.879	0.000	93	967309	10.0	6.33	
11 1,1'-Biphenyl	154	4.264	4.264	0.000	100	1385158	NC	NC	
12 Acenaphthylene	152	4.692	4.687	0.005	97	1664913	10.0	7.06	
14 Acenaphthene	153	4.879	4.874	0.005	93	1060697	10.0	6.93	
15 Dibenzofuran	168	5.067	5.061	0.006	100	1469375	NC	NC	
16 Fluorene	166	5.436	5.430	0.006	96	1218791	10.0	7.02	
17 Phenanthrene	178	6.468	6.462	0.006	97	1720582	10.0	7.23	
18 Anthracene	178	6.527	6.521	0.006	99	1738227	10.0	7.66	
19 Fluoranthene	202	7.778	7.773	0.005	98	1827243	10.0	7.38	
20 Pyrene	202	8.019	8.014	0.005	97	1851605	10.0	7.48	
21 Benzo[a]anthracene	228	9.324	9.319	0.005	98	1819344	10.0	8.01	
22 Chrysene	228	9.362	9.356	0.006	99	1605853	10.0	8.25	
23 Benzo[b]fluoranthene	252	10.362	10.356	0.006	99	1694335	10.0	7.72	
24 Benzo[k]fluoranthene	252	10.389	10.378	0.011	99	1767933	10.0	7.96	
25 Benzo[a]pyrene	252	10.640	10.634	0.006	97	1477917	10.0	7.64	
26 Indeno[1,2,3-cd]pyrene	276	11.624	11.613	0.011	99	1546146	10.0	6.92	
27 Dibenz(a,h)anthracene	278	11.651	11.640	0.011	99	1269416	10.0	7.46	
28 Benzo[g,h,i]perylene	276	11.892	11.875	0.017	98	1332144	10.0	7.23	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

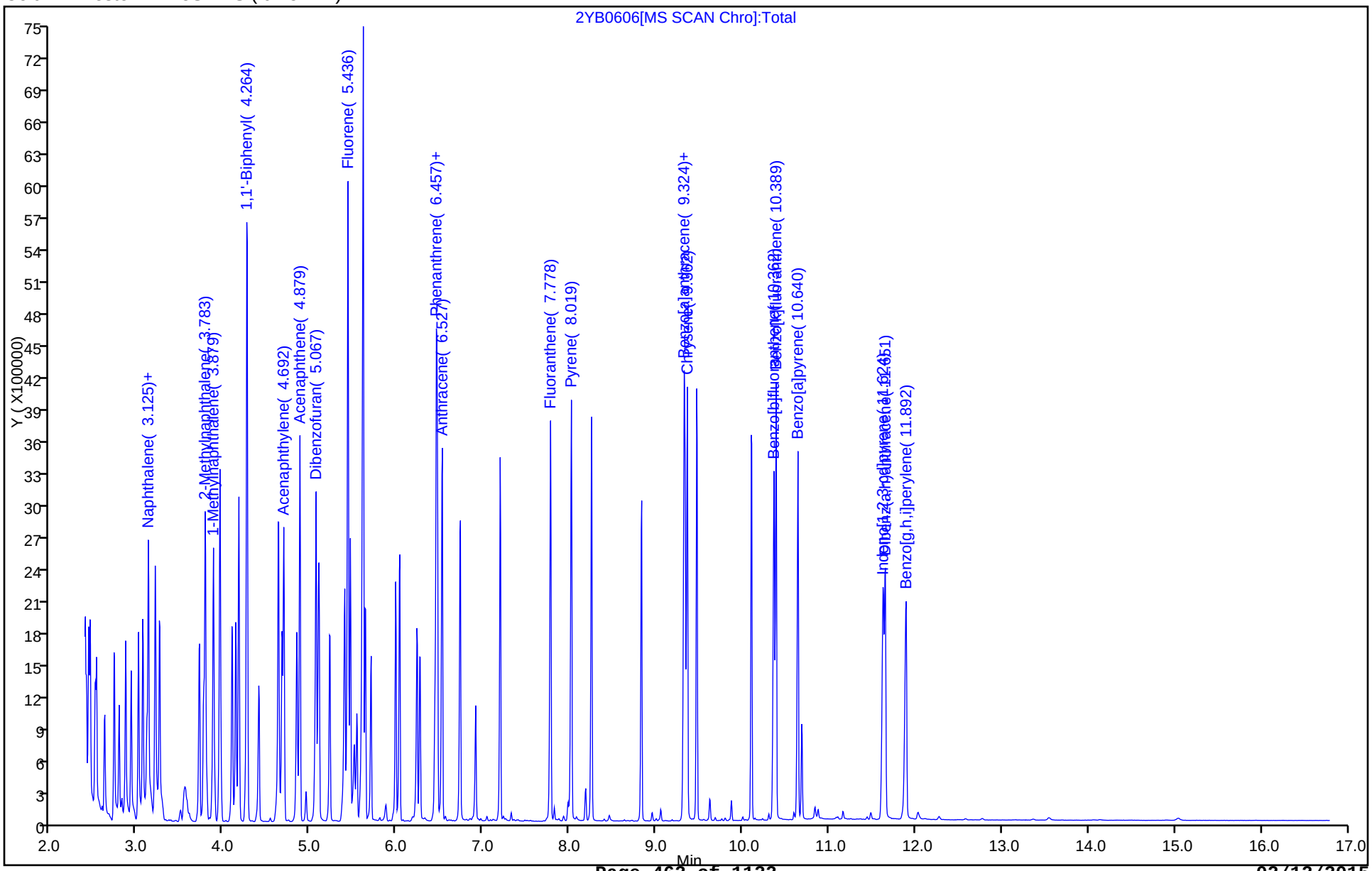
SM-LLISTD_00118	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 07-Feb-2015 08:53:33 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0606.D				
Injection Date:	06-Feb-2015 18:00:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	LCS 680-369210/19-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG No.: 680-109515-02
Client Sample ID:
Lab Sample ID: LCS 680-369331/10-A
Matrix: Solid
Lab File ID: 2YB0708.D
Analysis Method: 8270D_LL_PAH
Date Collected:
Extract. Method: 3546
Date Extracted: 02/03/2015 13:35
Sample wt/vol: 30.07(g)
Date Analyzed: 02/07/2015 15:18
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.: 370012
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	195		6.7	3.3
208-96-8	Acenaphthylene	200		6.7	3.3
120-12-7	Anthracene	207		6.7	3.3
56-55-3	Benzo[a]anthracene	219		6.7	3.3
50-32-8	Benzo[a]pyrene	215		6.7	1.2
205-99-2	Benzo[b]fluoranthene	225		6.7	3.3
191-24-2	Benzo[g,h,i]perylene	185		6.7	3.3
207-08-9	Benzo[k]fluoranthene	222		6.7	2.0
218-01-9	Chrysene	226		6.7	3.3
53-70-3	Dibenz(a,h)anthracene	199		6.7	3.3
206-44-0	Fluoranthene	202		6.7	3.3
86-73-7	Fluorene	200		6.7	3.3
193-39-5	Indeno[1,2,3-cd]pyrene	159		6.7	3.3
90-12-0	1-Methylnaphthalene	188		6.7	3.1
91-57-6	2-Methylnaphthalene	192		6.7	3.3
91-20-3	Naphthalene	190		6.7	3.3
85-01-8	Phenanthrene	210		6.7	2.4
129-00-0	Pyrene	238		6.7	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	90		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0708.D
Lims ID: LCS 680-369331/10-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Feb-2015 15:18:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: LCS 369331/10-A
Misc. Info.: 680-0016926-008
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 09-Feb-2015 10:16:25 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: webbk Date: 09-Feb-2015 09:22:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.077	3.077	0.000	98	508407	2.00	2.00	
* 2 Acenaphthene-d10	164	4.810	4.805	0.005	92	300674	2.00	2.00	
* 3 Phenanthrene-d10	188	6.404	6.398	0.006	98	494421	2.00	2.00	
* 4 Chrysene-d12	240	9.297	9.292	0.005	99	410932	2.00	2.00	
* 5 Perylene-d12	264	10.645	10.645	0.000	98	321011	2.00	2.00	
$ 6 o-Terphenyl	230	6.874	6.880	-0.006	90	219377	2.00	1.79	
7 Naphthalene	128	3.093	3.093	0.000	99	1678934	10.0	5.70	
9 2-Methylnaphthalene	142	3.751	3.751	0.000	86	1170652	10.0	5.79	
10 1-Methylnaphthalene	142	3.847	3.842	0.005	93	1020279	10.0	5.66	
11 1,1'-Biphenyl	154	4.232	4.227	0.005	99	1448364	NC	NC	
12 Acenaphthylene	152	4.660	4.649	0.011	97	1804885	10.0	6.02	
14 Acenaphthene	153	4.842	4.837	0.005	93	1143583	10.0	5.88	
15 Dibenzofuran	168	5.029	5.029	0.000	100	1594138	NC	NC	
16 Fluorene	166	5.398	5.393	0.005	96	1331423	10.0	6.03	
17 Phenanthrene	178	6.436	6.431	0.005	97	1928437	10.0	6.32	
18 Anthracene	178	6.489	6.484	0.005	99	1813815	10.0	6.23	
19 Fluoranthene	202	7.741	7.741	0.000	98	1926107	10.0	6.07	
20 Pyrene	202	7.982	7.982	0.000	97	1976139	10.0	7.16	
21 Benzo[a]anthracene	228	9.287	9.287	0.000	98	1666479	10.0	6.58	
22 Chrysene	228	9.324	9.319	0.005	99	1463001	10.0	6.79	
23 Benzo[b]fluoranthene	252	10.324	10.324	0.000	99	1435108	10.0	6.78	
24 Benzo[k]fluoranthene	252	10.351	10.346	0.005	99	1429029	10.0	6.67	
25 Benzo[a]pyrene	252	10.602	10.602	0.000	98	1205628	10.0	6.46	
26 Indeno[1,2,3-cd]pyrene	276	11.576	11.576	0.000	99	1188183	10.0	4.77	
27 Dibenz(a,h)anthracene	278	11.603	11.597	0.006	99	981968	10.0	5.98	
28 Benzo[g,h,i]perylene	276	11.838	11.833	0.005	98	991752	10.0	5.58	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM-LLISTD_00118	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 09-Feb-2015 10:16:31 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0708.D

Injection Date: 07-Feb-2015 15:18:30 Instrument ID: CMSY Operator ID:

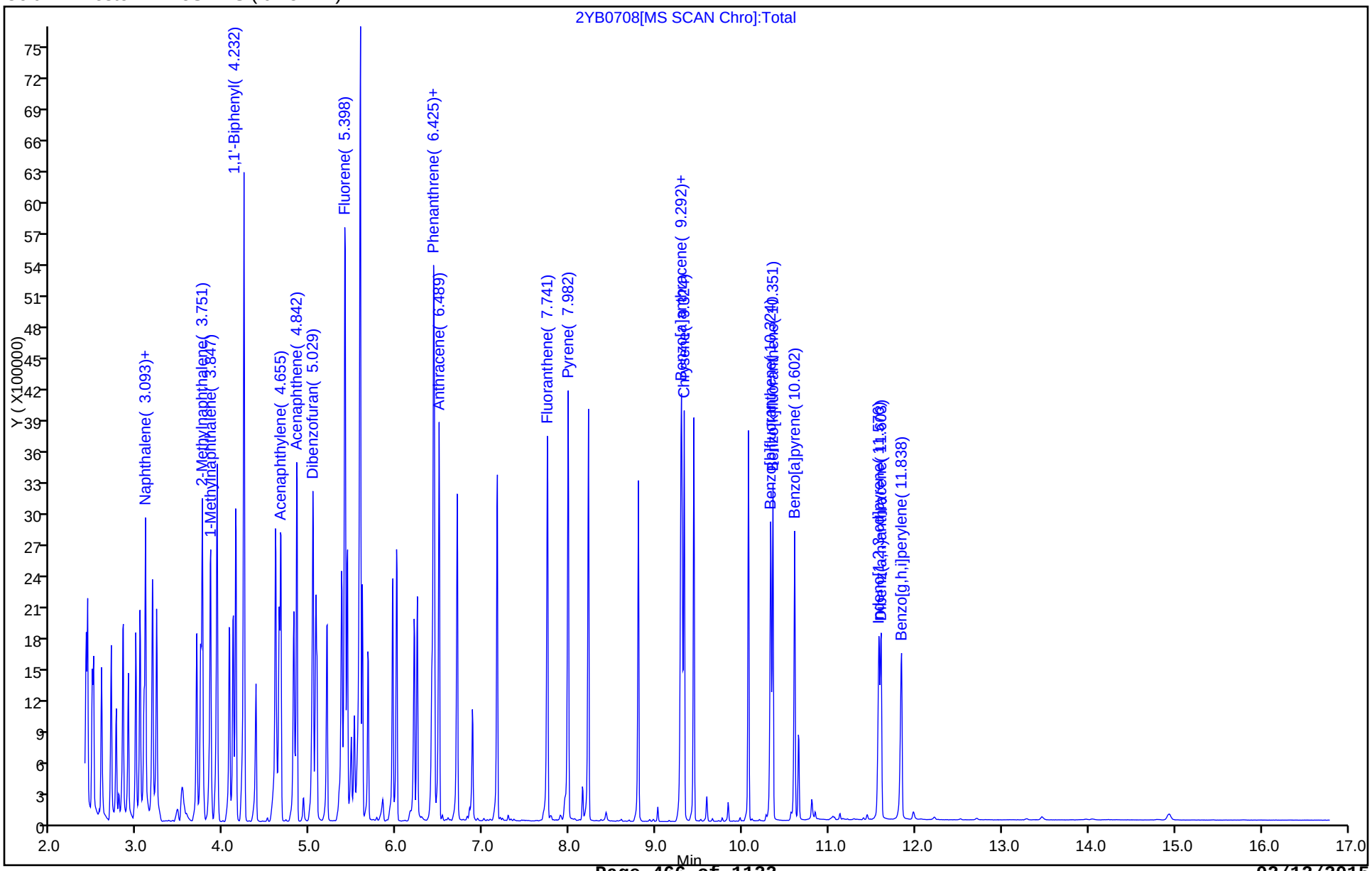
Lims ID: LCS 680-369331/10-A Worklist Smp#: 8

Client ID:

Injection Vol: 2.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8270D_LLPAH_MSY Limit Group: 8270D_LL_PAH

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: CV0627B-GS6" MS | Lab Sample ID: 680-109515-15 MS

Matrix: Solid | Lab File ID: 2YB0607.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 09:05

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 30.06(g) | Date Analyzed: 02/06/2015 18:22

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

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

% Moisture: 22.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369958 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	238		8.6	4.2
208-96-8	Acenaphthylene	276		8.6	4.2
120-12-7	Anthracene	299		8.6	4.2
56-55-3	Benzo[a]anthracene	397		8.6	4.2
50-32-8	Benzo[a]pyrene	404		8.6	1.5
205-99-2	Benzo[b]fluoranthene	764		8.6	4.2
191-24-2	Benzo[g,h,i]perylene	322		8.6	4.2
207-08-9	Benzo[k]fluoranthene	296		8.6	2.6
218-01-9	Chrysene	566		8.6	4.2
53-70-3	Dibenz(a,h)anthracene	300		8.6	4.2
206-44-0	Fluoranthene	434		8.6	4.2
86-73-7	Fluorene	248		8.6	4.2
193-39-5	Indeno[1,2,3-cd]pyrene	293		8.6	4.2
90-12-0	1-Methylnaphthalene	278		8.6	4.0
91-57-6	2-Methylnaphthalene	304		8.6	4.2
91-20-3	Naphthalene	267		8.6	4.2
85-01-8	Phenanthrene	534		8.6	3.1
129-00-0	Pyrene	439		8.6	4.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	69		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0607.D
Lims ID: 680-109515-A-15-B MS
Client ID: CV0627B-GS6"
Sample Type: MS
Inject. Date: 06-Feb-2015 18:22:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 109515-A-15-B MS
Misc. Info.: 680-0016908-007
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 08:53:30 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 07-Feb-2015 08:32:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.109	3.109	0.000	97	609386	2.00	2.00	
* 2 Acenaphthene-d10	164	4.847	4.842	0.005	92	270490	2.00	2.00	
* 3 Phenanthrene-d10	188	6.452	6.436	0.016	97	410864	2.00	2.00	
* 4 Chrysene-d12	240	9.356	9.324	0.032	55	405001	2.00	2.00	
* 5 Perylene-d12	264	10.720	10.677	0.043	95	338437	2.00	2.00	
$ 6 o-Terphenyl	230	6.922	6.912	0.010	89	165075	2.00	1.38	
7 Naphthalene	128	3.125	3.125	0.000	99	2204956	10.0	6.25	
9 2-Methylnaphthalene	142	3.788	3.783	0.005	80	1722587	10.0	7.10	
10 1-Methylnaphthalene	142	3.879	3.879	0.000	90	1406288	10.0	6.50	
11 1,1'-Biphenyl	154	4.270	4.264	0.006	100	1347210	NC	NC	
12 Acenaphthylene	152	4.697	4.687	0.010	83	1740601	10.0	6.45	
14 Acenaphthene	153	4.885	4.874	0.011	93	972838	10.0	5.56	
15 Dibenzofuran	168	5.072	5.061	0.011	100	1680323	NC	NC	
16 Fluorene	166	5.441	5.430	0.011	90	1151379	10.0	5.79	
8 Pentachlorophenol_T	266	6.286	6.265	0.021	0	407491		NC	
17 Phenanthrene	178	6.484	6.462	0.022	96	3166040	10.0	12.5	
18 Anthracene	178	6.532	6.521	0.011	98	1693832	10.0	7.00	
19 Fluoranthene	202	7.800	7.773	0.027	98	2674201	10.0	10.1	
13 Benzidine_T	184	7.971	7.976	-0.005	0	1803		NC	
20 Pyrene	202	8.040	8.014	0.026	96	2790222	10.0	10.3	
21 Benzo[a]anthracene	228	9.351	9.319	0.032	98	2312492	10.0	9.27	
22 Chrysene	228	9.388	9.356	0.032	96	2892363	10.0	13.2	
23 Benzo[b]fluoranthene	252	10.404	10.356	0.048	97	3987083	10.0	17.9	
24 Benzo[k]fluoranthene	252	10.420	10.378	0.042	97	1563675	10.0	6.92	M
25 Benzo[a]pyrene	252	10.677	10.634	0.043	97	1856055	10.0	9.43	
26 Indeno[1,2,3-cd]pyrene	276	11.677	11.613	0.064	97	1682602	10.0	6.85	
27 Dibenz(a,h)anthracene	278	11.693	11.640	0.053	93	1214591	10.0	7.02	
28 Benzo[g,h,i]perylene	276	11.945	11.875	0.070	90	1409506	10.0	7.52	
30 4,4'-DDE	246	8.217	8.206	0.011	26	4290		NR	7
31 4,4'-DDD	235	8.532	8.565	-0.033	34	11019		NR	7
32 4,4'-DDT	235	9.083	8.886	0.197	41	70978		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

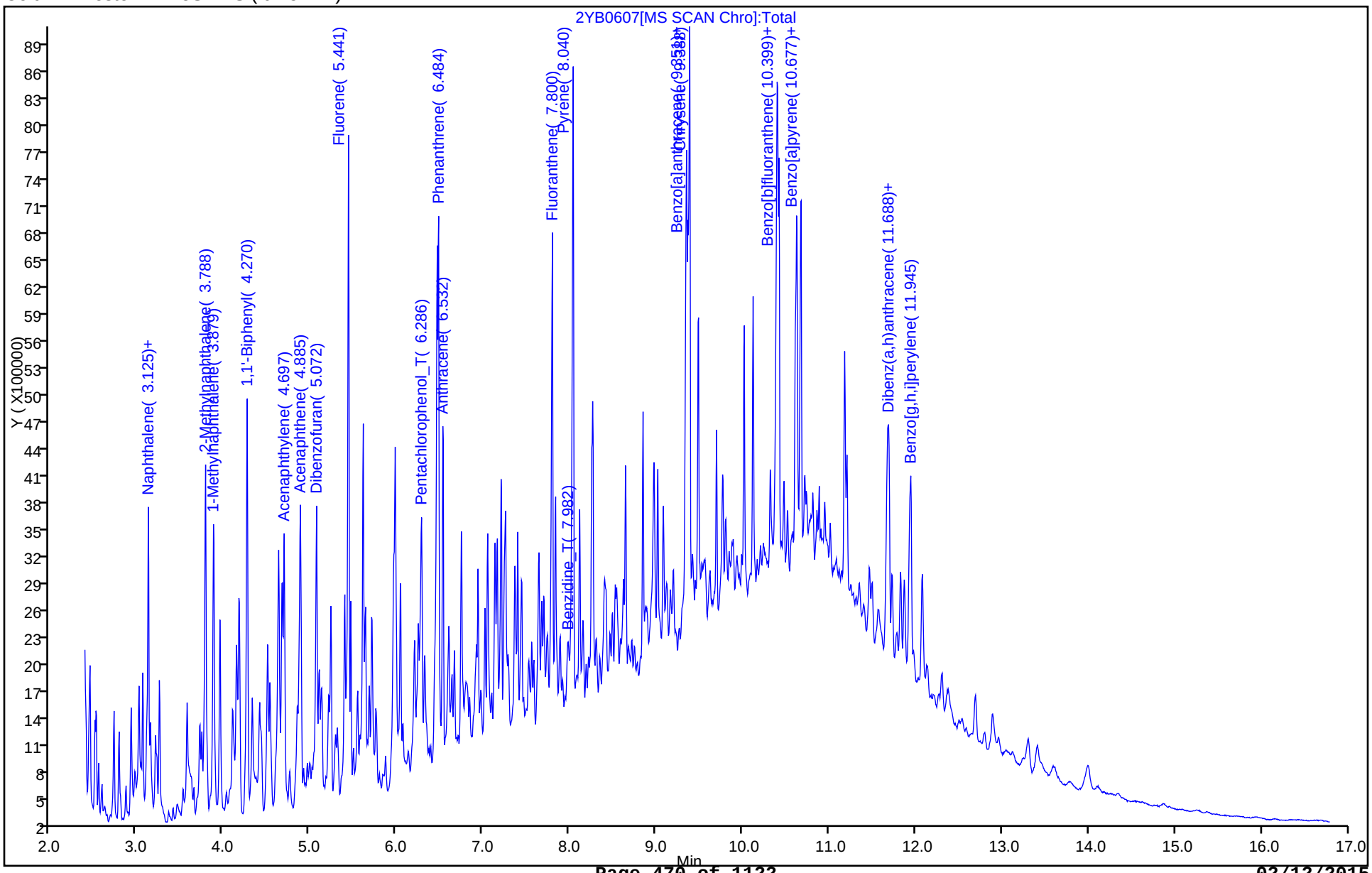
SM-LLISTD_00118	Amount Added:	10.00	Units: uL	Run Reagent

Report Date: 07-Feb-2015 08:53:34 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0607.D				
Injection Date:	06-Feb-2015 18:22:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-A-15-B MS			Worklist Smp#:	7
Client ID:	CV0627B-GS6"				
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)



Manual Integration/User Assign Peak Report

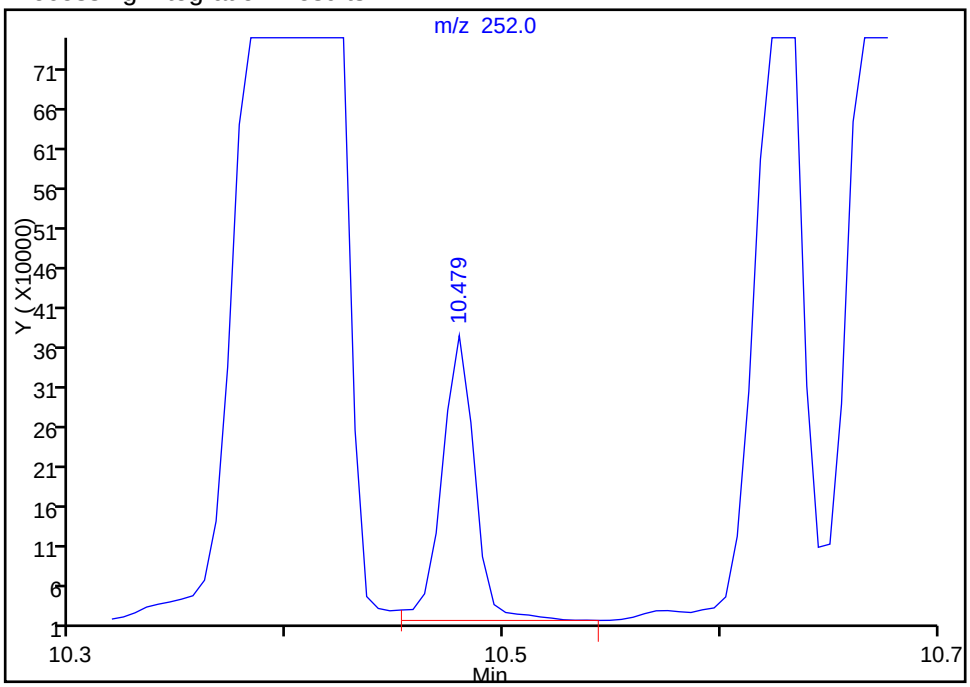
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0607.D				
Injection Date:	06-Feb-2015 18:22:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-15-B MS				
Client ID:	CV0627B-GS6"				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
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 Benzo[k]fluoranthene, CAS: 207-08-9

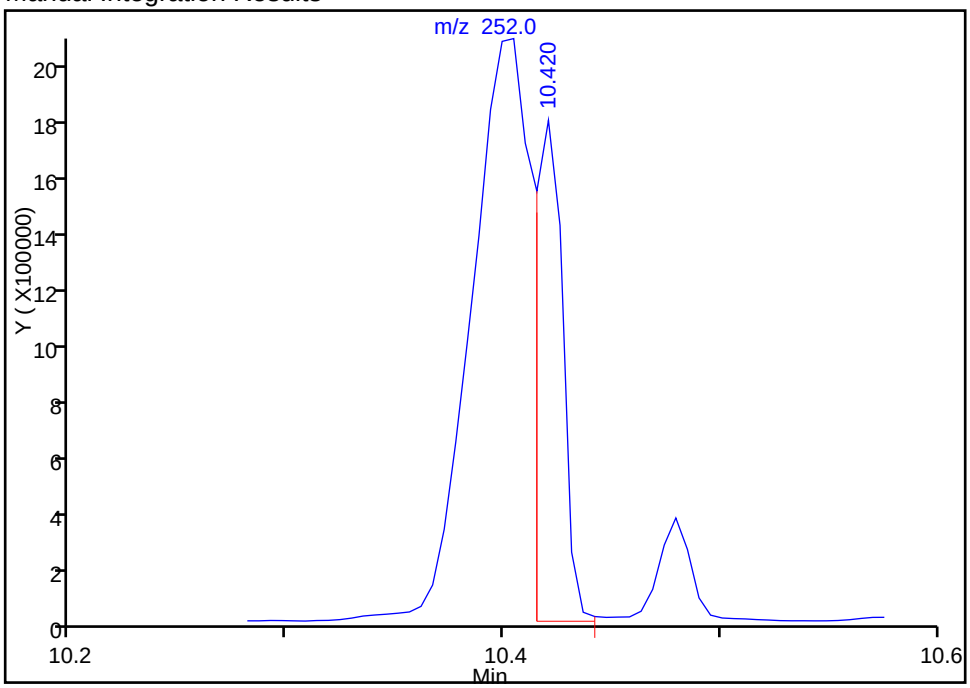
Processing Integration Results

RT: 10.48
Area: 374110
Amount: 1.655592
Amount Units: ug/ml



Manual Integration Results

RT: 10.42
Area: 1563675
Amount: 6.919910
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:32:36
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: | Lab Sample ID: 680-109515-A-6-B MS

Matrix: Solid | Lab File ID: 1KB0614.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/26/2015 14:40

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:00

Sample wt/vol: 30.19(g) | Date Analyzed: 02/06/2015 17:29

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

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

% Moisture: 26.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	244		9.0	4.4
208-96-8	Acenaphthylene	241		9.0	4.4
120-12-7	Anthracene	272		9.0	4.4
56-55-3	Benzo[a]anthracene	284		9.0	4.4
50-32-8	Benzo[a]pyrene	274		9.0	1.6
205-99-2	Benzo[b]fluoranthene	318		9.0	4.4
191-24-2	Benzo[g,h,i]perylene	284		9.0	4.4
207-08-9	Benzo[k]fluoranthene	266		9.0	2.7
218-01-9	Chrysene	277		9.0	4.4
53-70-3	Dibenz(a,h)anthracene	284		9.0	4.4
206-44-0	Fluoranthene	305		9.0	4.4
86-73-7	Fluorene	266		9.0	4.4
193-39-5	Indeno[1,2,3-cd]pyrene	262		9.0	4.4
90-12-0	1-Methylnaphthalene	241		9.0	4.2
91-57-6	2-Methylnaphthalene	252		9.0	4.4
91-20-3	Naphthalene	238		9.0	4.4
85-01-8	Phenanthrene	273		9.0	3.2
129-00-0	Pyrene	297		9.0	4.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	66		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0614.D
Lims ID: 680-109515-A-6-B MS
Client ID: CV0511AB3-GS12"
Sample Type: MS
Inject. Date: 06-Feb-2015 17:29:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 680-109515-A-6-B MS
Misc. Info.: 680-0016900-014
Operator ID: Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 09:08:18 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 07-Feb-2015 08:55:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.120	4.126	-0.006	99	524024	2.00	2.00	
* 2 Acenaphthene-d10	164	5.912	5.912	0.000	91	290080	2.00	2.00	
* 3 Phenanthrene-d10	188	7.528	7.527	0.001	98	448403	2.00	2.00	
* 4 Chrysene-d12	240	10.354	10.354	0.000	99	368238	2.00	2.00	
* 5 Perylene-d12	264	11.829	11.823	0.006	98	303389	2.00	2.00	
$ 6 o-Terphenyl	230	7.968	7.968	0.000	90	190133	2.00	1.31	
7 Naphthalene	128	4.137	4.143	-0.006	99	1591142	10.0	5.30	
9 2-Methylnaphthalene	142	4.819	4.825	-0.006	85	1055276	10.0	5.61	
8 1-Methylnaphthalene	142	4.925	4.925	0.000	93	913290	10.0	5.36	
10 1,1'-Biphenyl	154	5.307	5.307	0.000	99	1218291	10.0	5.60	
11 Acenaphthylene	152	5.759	5.759	0.000	97	1501081	10.0	5.37	
12 Acenaphthene	153	5.947	5.947	0.000	95	988253	10.0	5.44	
13 Dibenzofuran	168	6.135	6.135	0.000	99	1386770	10.0	6.03	
14 Fluorene	166	6.505	6.505	0.000	95	1135032	10.0	5.92	
15 Phenanthrene	178	7.557	7.551	0.006	97	1701697	10.0	6.09	
16 Anthracene	178	7.610	7.610	0.000	98	1562038	10.0	6.05	
17 Fluoranthene	202	8.861	8.855	0.006	98	1970013	10.0	6.79	
18 Pyrene	202	9.096	9.096	0.000	97	1963653	10.0	6.62	
19 Benzo[a]anthracene	228	10.348	10.342	0.006	98	1501694	10.0	6.32	
20 Chrysene	228	10.383	10.377	0.006	97	1404005	10.0	6.17	
21 Benzo[b]fluoranthene	252	11.411	11.405	0.006	98	1498044	10.0	7.09	
22 Benzo[k]fluoranthene	252	11.441	11.435	0.006	99	1217062	10.0	5.93	
23 Benzo[a]pyrene	252	11.770	11.764	0.006	97	1112115	10.0	6.10	
24 Indeno[1,2,3-cd]pyrene	276	13.245	13.239	0.006	98	1167439	10.0	5.84	
25 Dibenz(a,h)anthracene	278	13.274	13.268	0.006	95	926960	10.0	6.34	
26 Benzo[g,h,i]perylene	276	13.674	13.662	0.012	97	980216	10.0	6.32	
31 Benzidine_T	184	6.358	6.364	-0.006	0	1829		NR	
28 4,4'-DDD	235	6.776	6.805	-0.029	53	120		NR	7
29 4,4'-DDT	235	7.111	7.069	0.042	55	2122		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

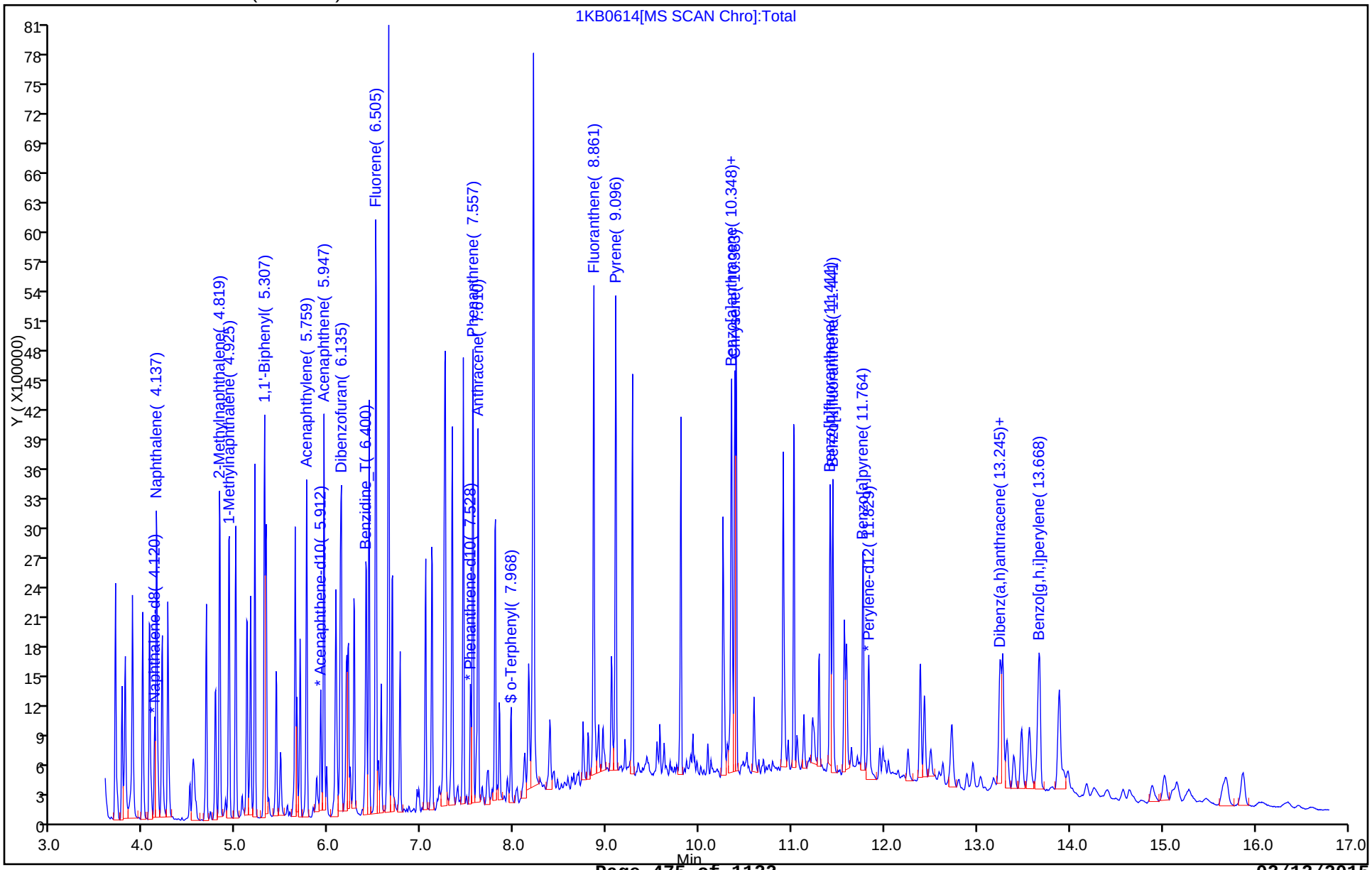
SM-LLISTD_00118	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 07-Feb-2015 09:08:29 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0614.D				
Injection Date:	06-Feb-2015 17:29:30	Instrument ID:	CMSK	Operator ID:	
Lims ID:	680-109515-A-6-B MS			Worklist Smp#:	14
Client ID:	CV0511AB3-GS12"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: | Lab Sample ID: 680-109515-A-49-E MS

Matrix: Solid | Lab File ID: 2YB0730.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/28/2015 13:35

Extract. Method: 3546 | Date Extracted: 02/03/2015 13:35

Sample wt/vol: 30.08(g) | Date Analyzed: 02/07/2015 23:28

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

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

% Moisture: 24.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 370012 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	247		8.8	4.3
208-96-8	Acenaphthylene	237		8.8	4.3
120-12-7	Anthracene	232		8.8	4.3
56-55-3	Benzo[a]anthracene	400		8.8	4.3
50-32-8	Benzo[a]pyrene	380		8.8	1.6
205-99-2	Benzo[b]fluoranthene	613		8.8	4.3
191-24-2	Benzo[g,h,i]perylene	197		8.8	4.3
207-08-9	Benzo[k]fluoranthene	327		8.8	2.6
218-01-9	Chrysene	485		8.8	4.3
53-70-3	Dibenz(a,h)anthracene	210		8.8	4.3
206-44-0	Fluoranthene	420		8.8	4.3
86-73-7	Fluorene	242		8.8	4.3
193-39-5	Indeno[1,2,3-cd]pyrene	189		8.8	4.3
90-12-0	1-Methylnaphthalene	256		8.8	4.1
91-57-6	2-Methylnaphthalene	342		8.8	4.3
91-20-3	Naphthalene	246		8.8	4.3
85-01-8	Phenanthrene	367		8.8	3.2
129-00-0	Pyrene	504		8.8	4.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	97		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0730.D
Lims ID: 680-109515-A-49-E MS
Client ID: CV0312A-CS12"
Sample Type: MS
Inject. Date: 07-Feb-2015 23:28:30 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 109515-A-49-E MS
Misc. Info.: 680-0016926-030
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 09-Feb-2015 10:13:07 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: webbk Date: 09-Feb-2015 09:59:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.088	3.077	0.011	87	567142	2.00	2.00	
* 2 Acenaphthene-d10	164	4.826	4.805	0.021	91	312699	2.00	2.00	
* 3 Phenanthrene-d10	188	6.436	6.398	0.038	72	482784	2.00	2.00	M
* 4 Chrysene-d12	240	9.345	9.292	0.053	62	320790	2.00	2.00	
* 5 Perylene-d12	264	10.715	10.645	0.070	98	252013	2.00	2.00	
$ 6 o-Terphenyl	230	6.896	6.880	0.016	88	184995	2.00	1.93	
7 Naphthalene	128	3.104	3.093	0.011	99	1847578	10.0	5.62	
9 2-Methylnaphthalene	142	3.767	3.751	0.016	84	1760621	10.0	7.80	
10 1-Methylnaphthalene	142	3.858	3.842	0.016	88	1174527	10.0	5.84	
11 1,1'-Biphenyl	154	4.248	4.227	0.021	100	1461275	NC	NC	
12 Acenaphthylene	152	4.676	4.649	0.027	92	1683385	10.0	5.40	
14 Acenaphthene	153	4.863	4.837	0.026	93	1138345	10.0	5.63	
15 Dibenzofuran	168	5.051	5.029	0.021	99	1588829	NC	NC	
16 Fluorene	166	5.420	5.393	0.027	91	1268622	10.0	5.52	
8 Pentachlorophenol_T	266	6.286	6.233	0.053	0	422459		NC	
17 Phenanthrene	178	6.463	6.431	0.032	94	2497243	10.0	8.38	M
18 Anthracene	178	6.521	6.484	0.037	99	1504964	10.0	5.29	
19 Fluoranthene	202	7.789	7.741	0.048	96	2972297	10.0	9.59	
13 Benzidine_T	184	8.046	7.939	0.107	0	1905		NC	
20 Pyrene	202	8.030	7.982	0.048	96	2476701	10.0	11.5	
21 Benzo[a]anthracene	228	9.340	9.287	0.053	98	1801528	10.0	9.12	
22 Chrysene	228	9.372	9.319	0.053	94	1898498	10.0	11.1	
23 Benzo[b]fluoranthene	252	10.394	10.324	0.070	96	2323774	10.0	14.0	
24 Benzo[k]fluoranthene	252	10.410	10.346	0.064	97	1254254	10.0	7.45	M
25 Benzo[a]pyrene	252	10.667	10.602	0.065	97	1269307	10.0	8.66	
26 Indeno[1,2,3-cd]pyrene	276	11.683	11.576	0.107	96	840591	10.0	4.32	
27 Dibenz(a,h)anthracene	278	11.694	11.597	0.097	87	617382	10.0	4.79	
28 Benzo[g,h,i]perylene	276	11.950	11.833	0.117	91	626932	10.0	4.49	
30 4,4'-DDE	246	8.190	8.169	0.021	1	1466		NR	7
31 4,4'-DDD	235	8.516	8.538	-0.022	51	1888		NR	7
32 4,4'-DDT	235	8.816	8.853	-0.037	12	1574		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

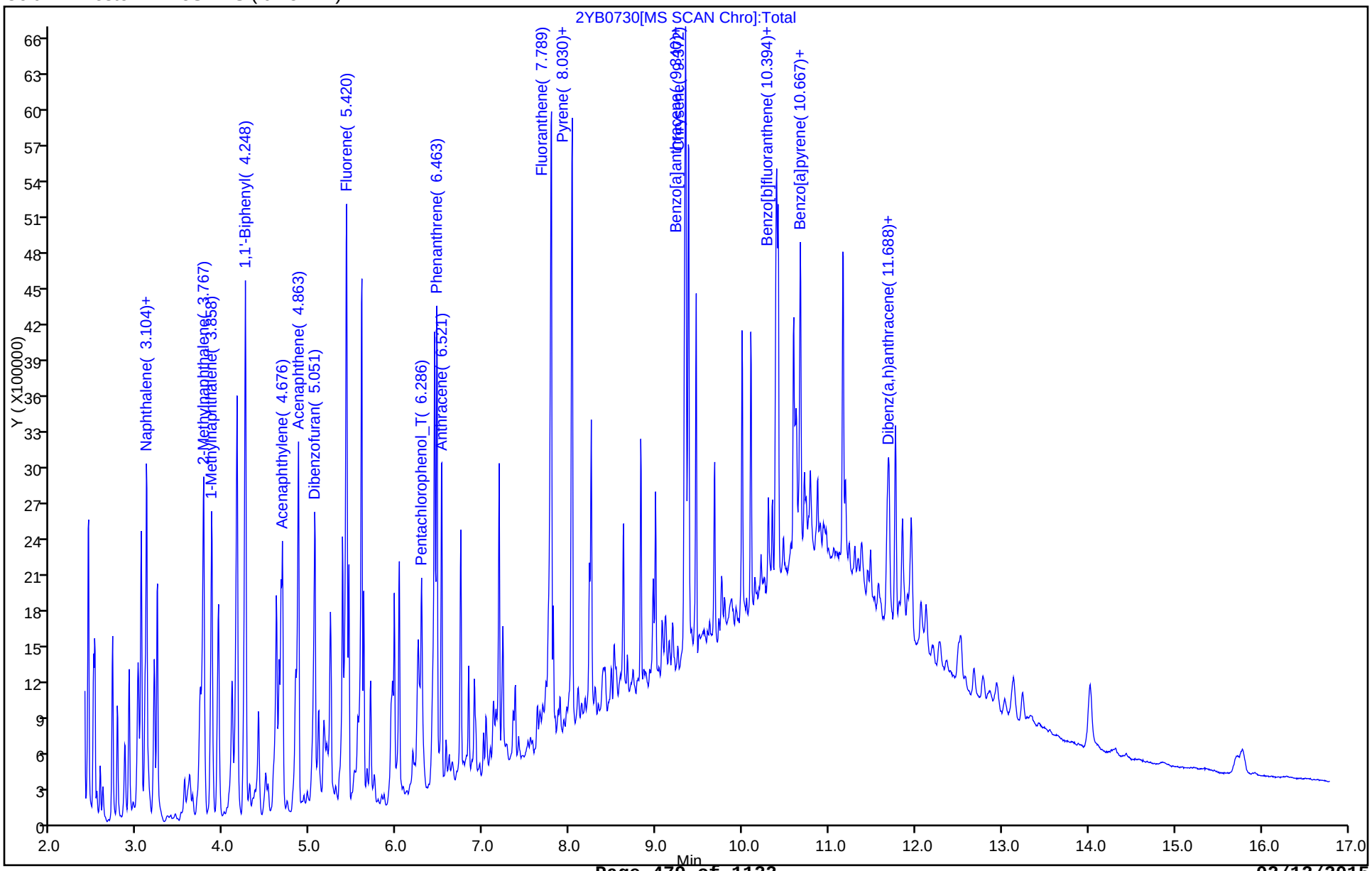
SM-LLISTD_00118	Amount Added:	10.00	Units: uL	Run Reagent

Report Date: 09-Feb-2015 10:16:13 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0730.D				
Injection Date:	07-Feb-2015 23:28:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-A-49-E MS			Worklist Smp#:	30
Client ID:	CV0312A-CS12"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



Manual Integration/User Assign Peak Report

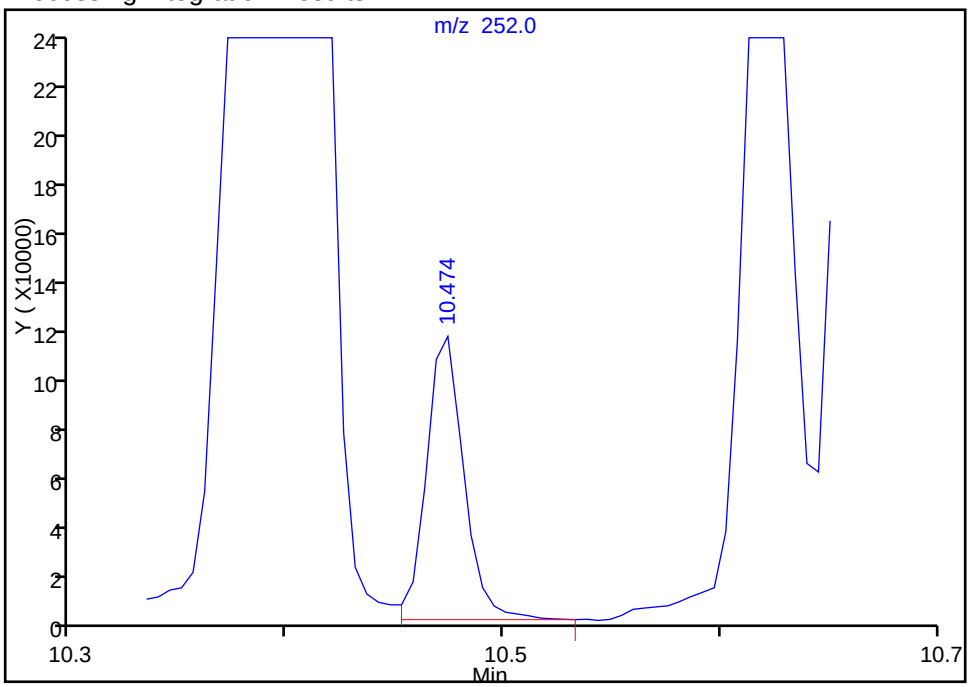
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0730.D				
Injection Date:	07-Feb-2015 23:28:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-49-E MS				
Client ID:	CV0312A-CS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
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 Benzo[k]fluoranthene, CAS: 207-08-9

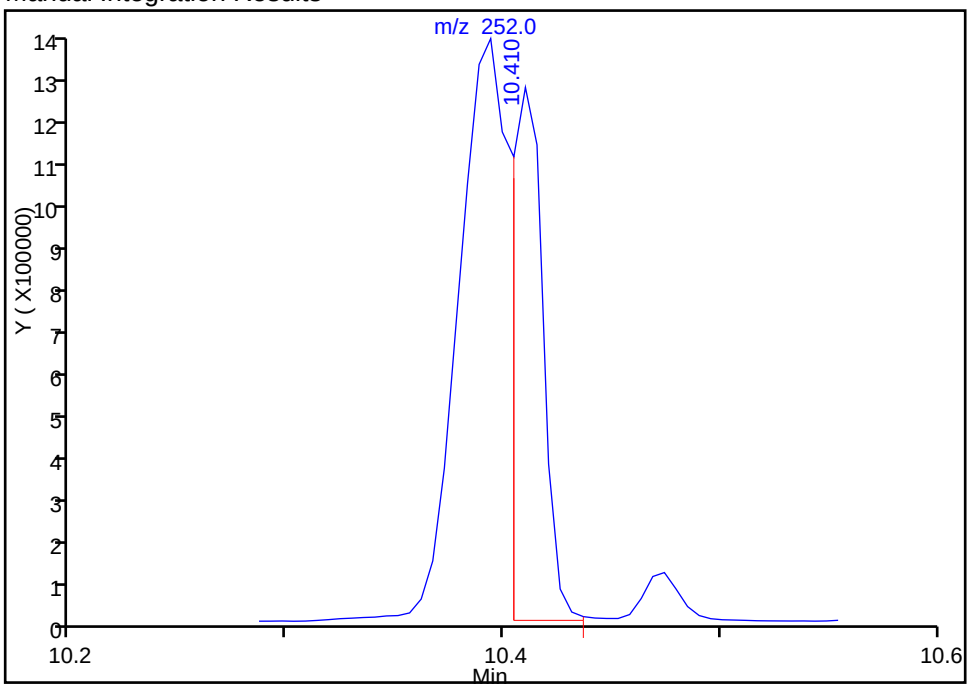
Processing Integration Results

RT: 10.47
Area: 136655
Amount: 0.812146
Amount Units: ug/ml



Manual Integration Results

RT: 10.41
Area: 1254254
Amount: 7.454085
Amount Units: ug/ml



Reviewer: webbk, 09-Feb-2015 09:59:54
Audit Action: Manually Integrated
Audit Reason: Peak Not Integrated

Manual Integration/User Assign Peak Report

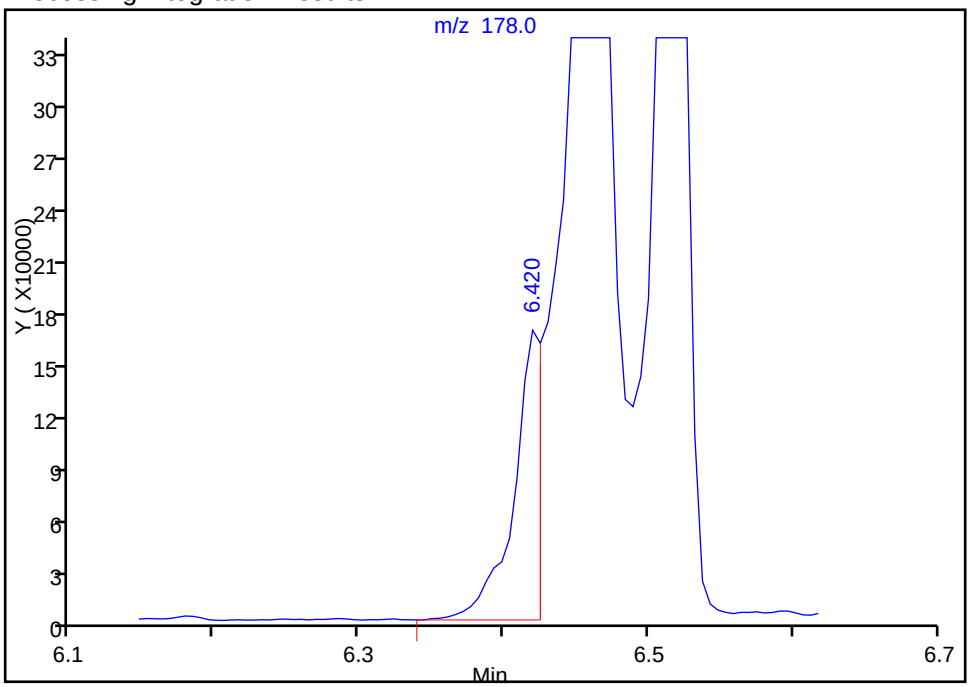
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0730.D				
Injection Date:	07-Feb-2015 23:28:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-49-E MS				
Client ID:	CV0312A-CS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
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 Phenanthrene, CAS: 85-01-8

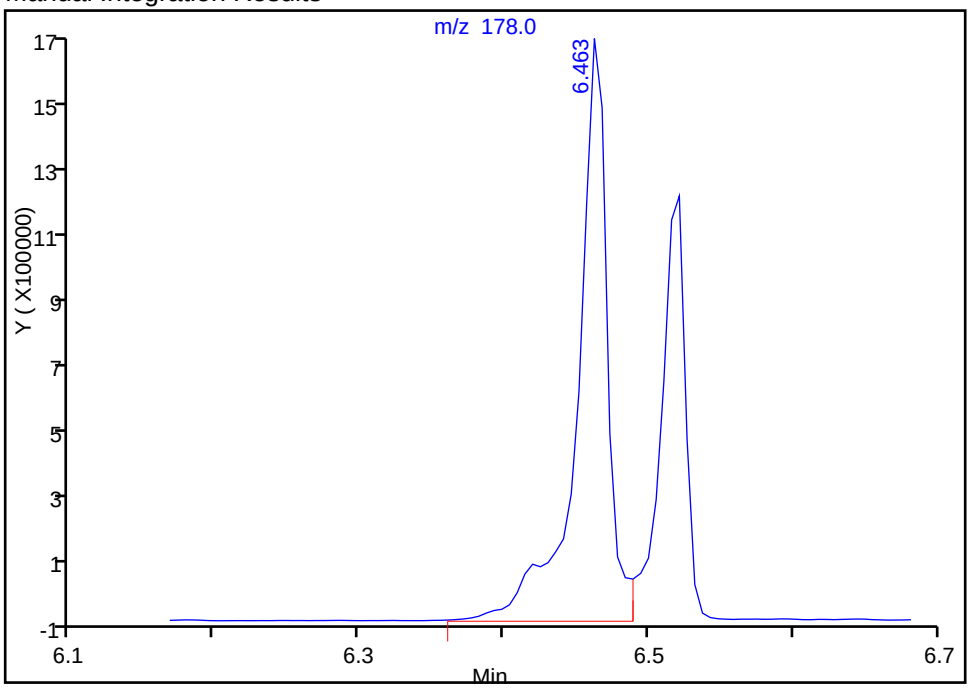
Processing Integration Results

RT: 6.42
Area: 225199
Amount: 0.755852
Amount Units: ug/ml



Manual Integration Results

RT: 6.46
Area: 2497243
Amount: 8.381678
Amount Units: ug/ml



Reviewer: webbk, 09-Feb-2015 09:59:54
Audit Action: Manually Integrated
Audit Reason: Peak Not Integrated

Manual Integration/User Assign Peak Report

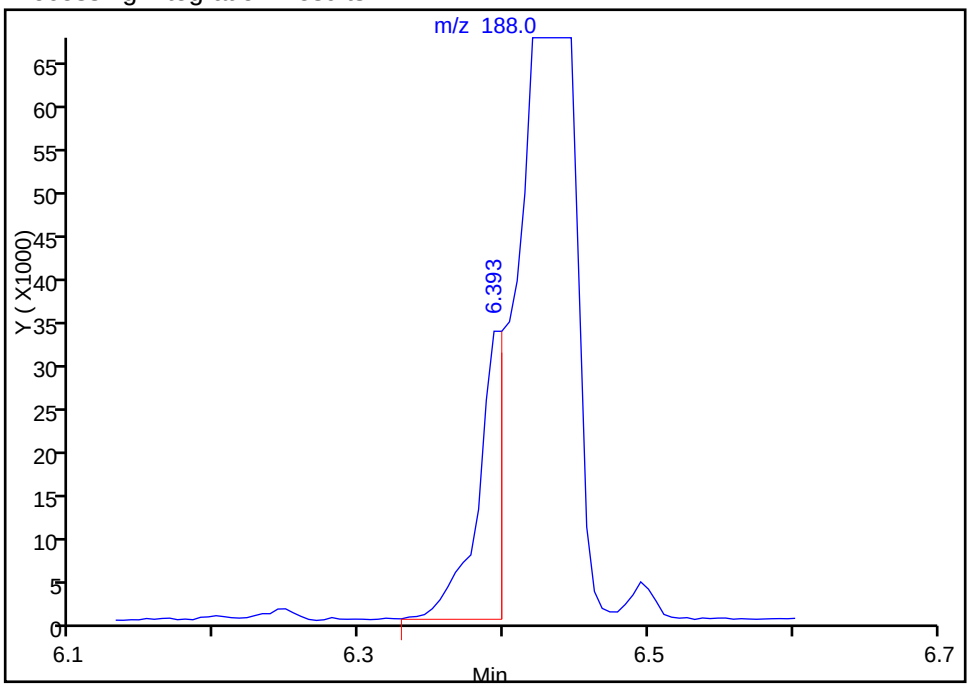
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0730.D				
Injection Date:	07-Feb-2015 23:28:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-49-E MS				
Client ID:	CV0312A-CS12"				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
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		

* 3 Phenanthrene-d10, CAS: 1517-22-2

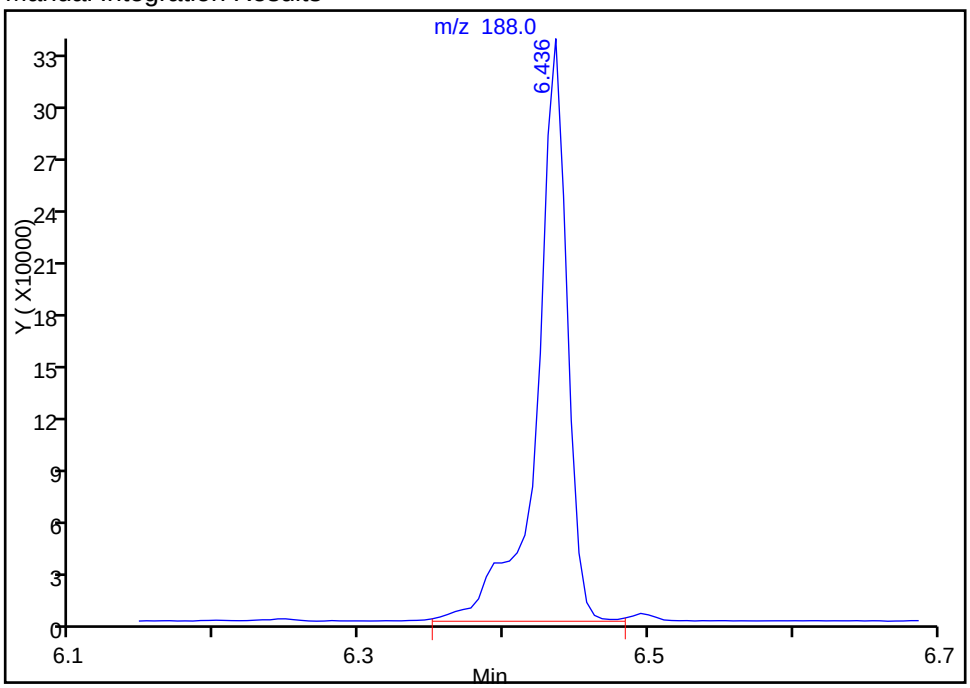
Processing Integration Results

RT: 6.39
Area: 42061
Amount: 2.000000
Amount Units: ug/ml



Manual Integration Results

RT: 6.44
Area: 482784
Amount: 2.000000
Amount Units: ug/ml



Reviewer: webbk, 09-Feb-2015 09:59:54
Audit Action: Manually Integrated
Audit Reason: Peak Not Integrated

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: CV0627B-GS6" MSD | Lab Sample ID: 680-109515-15 MSD

Matrix: Solid | Lab File ID: 2YB0608.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/27/2015 09:05

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:35

Sample wt/vol: 29.94(g) | Date Analyzed: 02/06/2015 18:44

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

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

% Moisture: 22.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369958 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	254		8.6	4.3
208-96-8	Acenaphthylene	289		8.6	4.3
120-12-7	Anthracene	314		8.6	4.3
56-55-3	Benzo[a]anthracene	410		8.6	4.3
50-32-8	Benzo[a]pyrene	299		8.6	1.5
205-99-2	Benzo[b]fluoranthene	770		8.6	4.3
191-24-2	Benzo[g,h,i]perylene	327		8.6	4.3
207-08-9	Benzo[k]fluoranthene	335		8.6	2.6
218-01-9	Chrysene	605		8.6	4.3
53-70-3	Dibenz(a,h)anthracene	323		8.6	4.3
206-44-0	Fluoranthene	457		8.6	4.3
86-73-7	Fluorene	264		8.6	4.3
193-39-5	Indeno[1,2,3-cd]pyrene	303		8.6	4.3
90-12-0	1-Methylnaphthalene	297		8.6	4.0
91-57-6	2-Methylnaphthalene	324		8.6	4.3
91-20-3	Naphthalene	281		8.6	4.3
85-01-8	Phenanthrene	575		8.6	3.1
129-00-0	Pyrene	471		8.6	4.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	73		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0608.D
Lims ID: 680-109515-A-15-C MSD
Client ID: CV0627B-GS6"
Sample Type: MSD
Inject. Date: 06-Feb-2015 18:44:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 109515-A-15-C MSD
Misc. Info.: 680-0016908-008
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150206-16908.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 08:53:30 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 07-Feb-2015 08:33:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.109	3.109	0.000	97	698218	2.00	2.00	
* 2 Acenaphthene-d10	164	4.853	4.842	0.011	92	294653	2.00	2.00	
* 3 Phenanthrene-d10	188	6.457	6.436	0.021	97	438191	2.00	2.00	
* 4 Chrysene-d12	240	9.361	9.324	0.037	53	412514	2.00	2.00	
* 5 Perylene-d12	264	10.725	10.677	0.048	97	334106	2.00	2.00	
$ 6 o-Terphenyl	230	6.928	6.912	0.016	89	178936	2.00	1.46	
7 Naphthalene	128	3.130	3.125	0.005	99	2647960	10.0	6.55	
9 2-Methylnaphthalene	142	3.794	3.783	0.011	77	2094064	10.0	7.54	
10 1-Methylnaphthalene	142	3.884	3.879	0.005	90	1714584	10.0	6.92	
11 1,1'-Biphenyl	154	4.270	4.264	0.006	100	1599315	NC	NC	
12 Acenaphthylene	152	4.703	4.687	0.016	82	1980281	10.0	6.74	
14 Acenaphthene	153	4.885	4.874	0.011	94	1128146	10.0	5.92	
15 Dibenzofuran	168	5.077	5.061	0.016	100	1953679	NC	NC	
16 Fluorene	166	5.441	5.430	0.011	91	1329985	10.0	6.14	
8 Pentachlorophenol_T	266	6.297	6.265	0.032	0	466173		NC	
17 Phenanthrene	178	6.489	6.462	0.027	96	3618538	10.0	13.4	
18 Anthracene	178	6.537	6.521	0.016	98	1887653	10.0	7.32	
19 Fluoranthene	202	7.805	7.773	0.032	98	2993301	10.0	10.6	
13 Benzidine_T	184	8.003	7.976	0.027	0	3934		NC	
20 Pyrene	202	8.046	8.014	0.032	96	3036742	10.0	11.0	
21 Benzo[a]anthracene	228	9.356	9.319	0.037	98	2427545	10.0	9.55	
22 Chrysene	228	9.394	9.356	0.038	96	3144349	10.0	14.1	
23 Benzo[b]fluoranthene	252	10.410	10.356	0.054	98	3948227	10.0	17.9	
24 Benzo[k]fluoranthene	252	10.426	10.378	0.048	98	1738091	10.0	7.79	M
25 Benzo[a]pyrene	252	10.634	10.634	0.000	96	1350197	10.0	6.95	
26 Indeno[1,2,3-cd]pyrene	276	11.688	11.613	0.075	98	1766478	10.0	7.06	
27 Dibenz(a,h)anthracene	278	11.704	11.640	0.064	90	1286789	10.0	7.53	
28 Benzo[g,h,i]perylene	276	11.956	11.875	0.081	91	1410256	10.0	7.62	
30 4,4'-DDE	246	8.222	8.206	0.016	20	4933		NR	7
31 4,4'-DDD	235	8.404	8.565	-0.161	52	17356		NR	7
32 4,4'-DDT	235	8.789	8.886	-0.097	1	6638		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

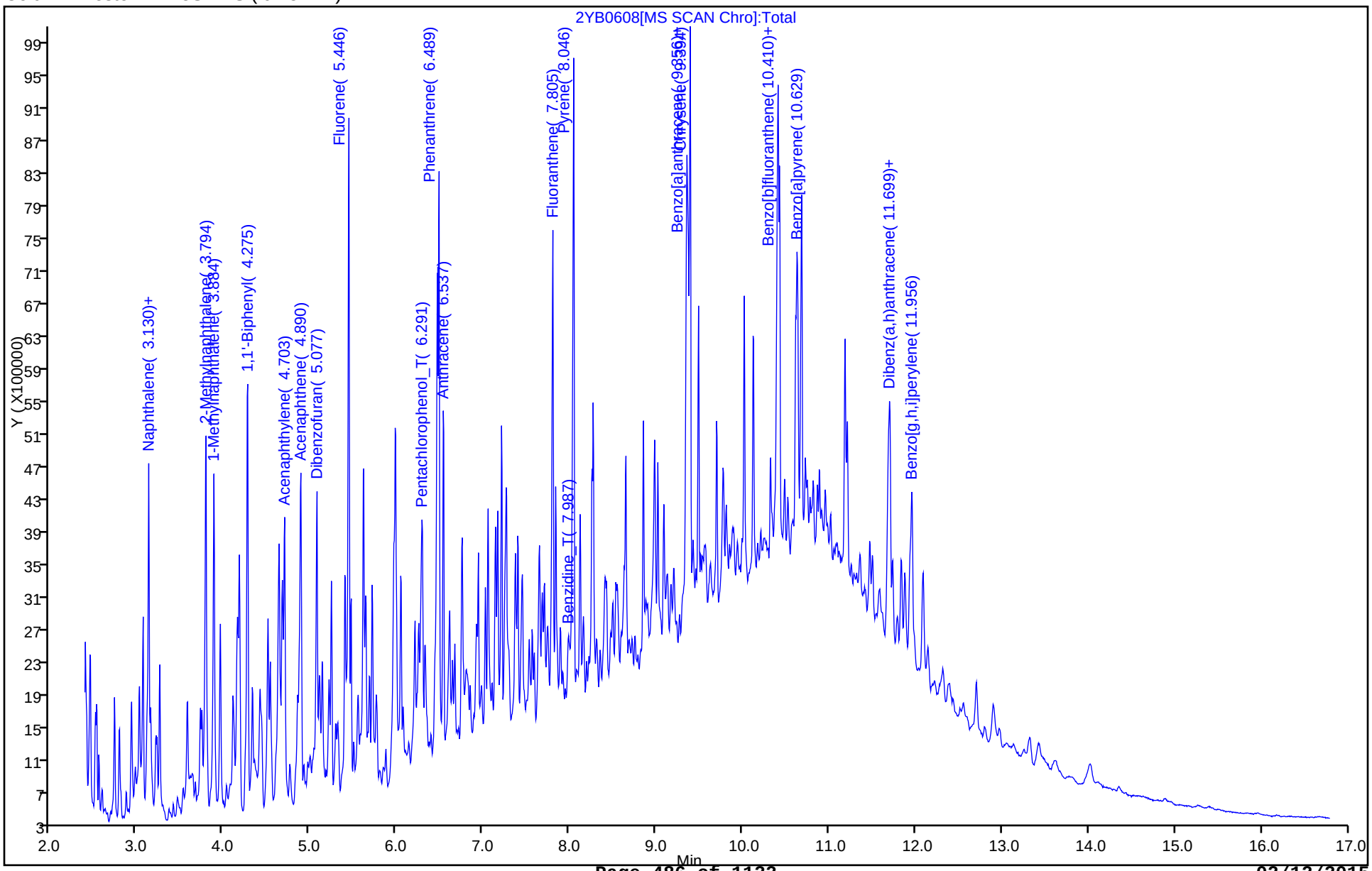
SM-LLISTD_00118	Amount Added:	10.00	Units: uL	Run Reagent

Report Date: 07-Feb-2015 08:53:34 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0608.D				
Injection Date:	06-Feb-2015 18:44:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-A-15-C MSD			Worklist Smp#:	8
Client ID:	CV0627B-GS6"				
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

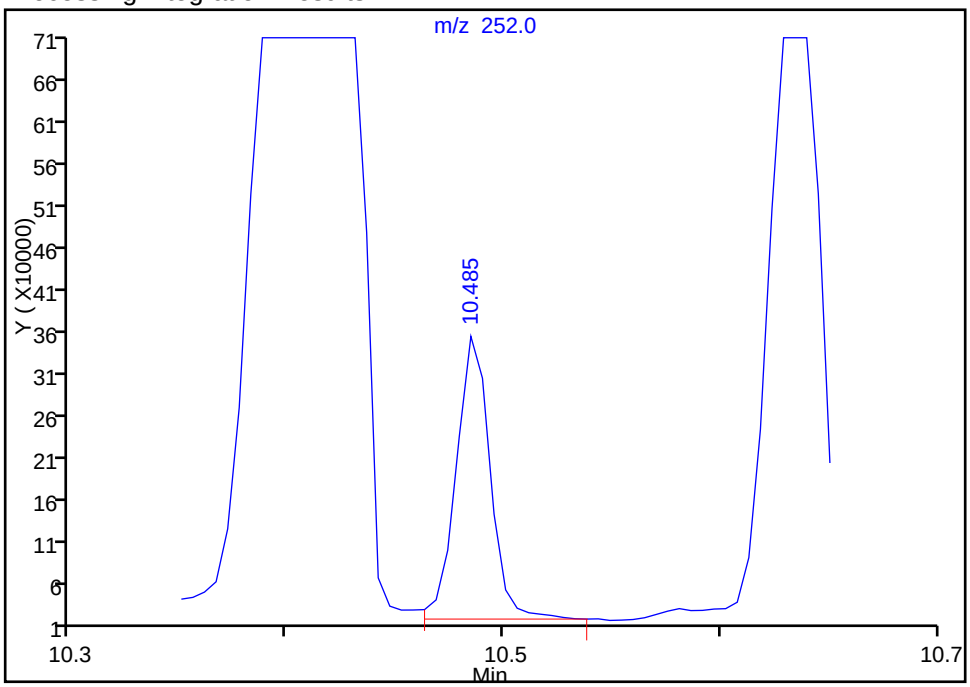
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150206-16908.b\2YB0608.D				
Injection Date:	06-Feb-2015 18:44:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-15-C MSD				
Client ID:	CV0627B-GS6"				
Operator ID:		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		

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

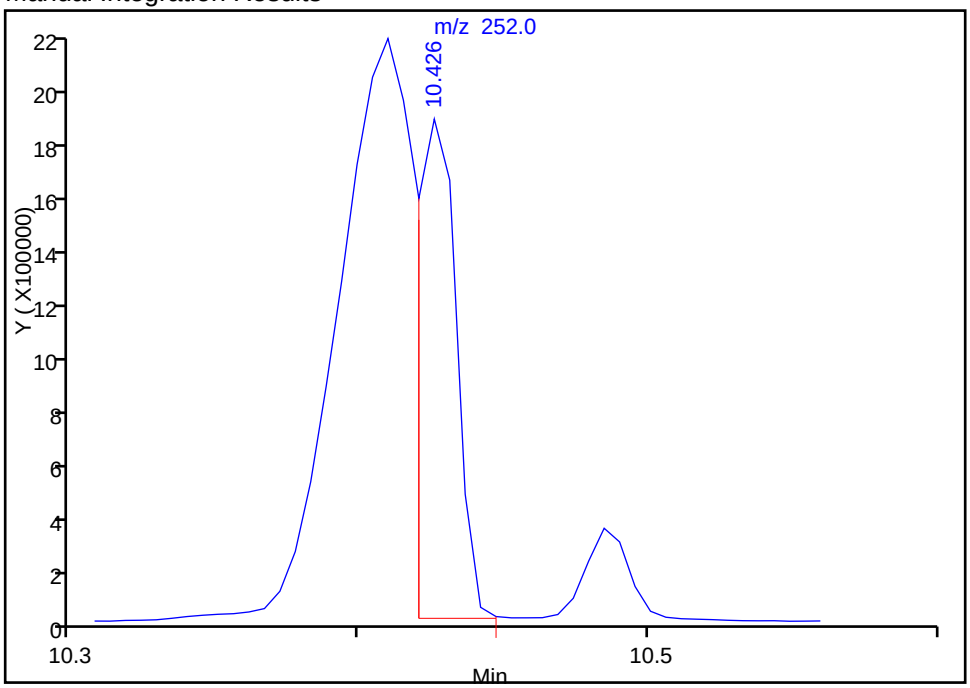
Processing Integration Results

RT: 10.48
Area: 367807
Amount: 1.648798
Amount Units: ug/ml



Manual Integration Results

RT: 10.43
Area: 1738091
Amount: 7.791481
Amount Units: ug/ml



Reviewer: webbk, 07-Feb-2015 08:33:22
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: | Lab Sample ID: 680-109515-A-6-C MSD

Matrix: Solid | Lab File ID: 1KB0615.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/26/2015 14:40

Extract. Method: 3546 | Date Extracted: 02/02/2015 14:00

Sample wt/vol: 30.22(g) | Date Analyzed: 02/06/2015 17:52

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

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

% Moisture: 26.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 369912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	258		9.0	4.4
208-96-8	Acenaphthylene	255		9.0	4.4
120-12-7	Anthracene	289		9.0	4.4
56-55-3	Benzo[a]anthracene	297		9.0	4.4
50-32-8	Benzo[a]pyrene	287		9.0	1.6
205-99-2	Benzo[b]fluoranthene	306		9.0	4.4
191-24-2	Benzo[g,h,i]perylene	289		9.0	4.4
207-08-9	Benzo[k]fluoranthene	300		9.0	2.7
218-01-9	Chrysene	279		9.0	4.4
53-70-3	Dibenz(a,h)anthracene	293		9.0	4.4
206-44-0	Fluoranthene	316		9.0	4.4
86-73-7	Fluorene	284		9.0	4.4
193-39-5	Indeno[1,2,3-cd]pyrene	262		9.0	4.4
90-12-0	1-Methylnaphthalene	253		9.0	4.2
91-57-6	2-Methylnaphthalene	264		9.0	4.4
91-20-3	Naphthalene	243		9.0	4.4
85-01-8	Phenanthrene	279		9.0	3.2
129-00-0	Pyrene	288		9.0	4.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	63		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0615.D
Lims ID: 680-109515-A-6-C MSD
Client ID: CV0511AB3-GS12"
Sample Type: MSD
Inject. Date: 06-Feb-2015 17:52:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 680-109515-A-6-C MSD
Misc. Info.: 680-0016900-015
Operator ID: Instrument ID: CMSK

Method: \\SAVCHROM\ChromData\CMSK\20150206-16900.b\8270_LLPAH_CMSK.m
Limit Group: 8270D_LL_PAH
Last Update: 07-Feb-2015 09:08:18 Calib Date: 04-Feb-2015 11:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSK\20150204-16805.b\1KB0409.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: webbk Date: 07-Feb-2015 08:55:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	4.120	4.126	-0.006	99	523656	2.00	2.00	
* 2 Acenaphthene-d10	164	5.912	5.912	0.000	91	297858	2.00	2.00	
* 3 Phenanthrene-d10	188	7.528	7.527	0.001	99	473255	2.00	2.00	
* 4 Chrysene-d12	240	10.354	10.354	0.000	99	415091	2.00	2.00	
* 5 Perylene-d12	264	11.834	11.823	0.011	98	334848	2.00	2.00	
$ 6 o-Terphenyl	230	7.968	7.968	0.000	89	204797	2.00	1.25	
7 Naphthalene	128	4.143	4.143	0.000	99	1624335	10.0	5.42	
9 2-Methylnaphthalene	142	4.825	4.825	0.000	85	1108612	10.0	5.89	
8 1-Methylnaphthalene	142	4.925	4.925	0.000	93	961117	10.0	5.65	
10 1,1'-Biphenyl	154	5.307	5.307	0.000	99	1292927	10.0	5.79	
11 Acenaphthylene	152	5.759	5.759	0.000	97	1630496	10.0	5.68	
12 Acenaphthene	153	5.947	5.947	0.000	95	1071099	10.0	5.74	
13 Dibenzofuran	168	6.135	6.135	0.000	99	1483736	10.0	6.28	
14 Fluorene	166	6.505	6.505	0.000	95	1245076	10.0	6.32	
15 Phenanthrene	178	7.557	7.551	0.006	96	1830835	10.0	6.21	
16 Anthracene	178	7.610	7.610	0.000	98	1756671	10.0	6.45	
17 Fluoranthene	202	8.861	8.855	0.006	98	2158959	10.0	7.05	
18 Pyrene	202	9.096	9.096	0.000	97	2145711	10.0	6.41	
19 Benzo[a]anthracene	228	10.348	10.342	0.006	98	1774026	10.0	6.63	
20 Chrysene	228	10.383	10.377	0.006	97	1595387	10.0	6.22	
21 Benzo[b]fluoranthene	252	11.417	11.405	0.012	98	1588132	10.0	6.81	
22 Benzo[k]fluoranthene	252	11.447	11.435	0.012	99	1514763	10.0	6.69	
23 Benzo[a]pyrene	252	11.770	11.764	0.006	97	1286801	10.0	6.40	
24 Indeno[1,2,3-cd]pyrene	276	13.256	13.239	0.017	98	1314867	10.0	5.83	
25 Dibenz(a,h)anthracene	278	13.280	13.268	0.012	95	1058420	10.0	6.54	
26 Benzo[g,h,i]perylene	276	13.679	13.662	0.017	97	1105019	10.0	6.45	
31 Benzidine_T	184	6.370	6.364	0.006	0	955		NR	
29 4,4'-DDT	235	7.110	7.069	0.041	55	2212		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

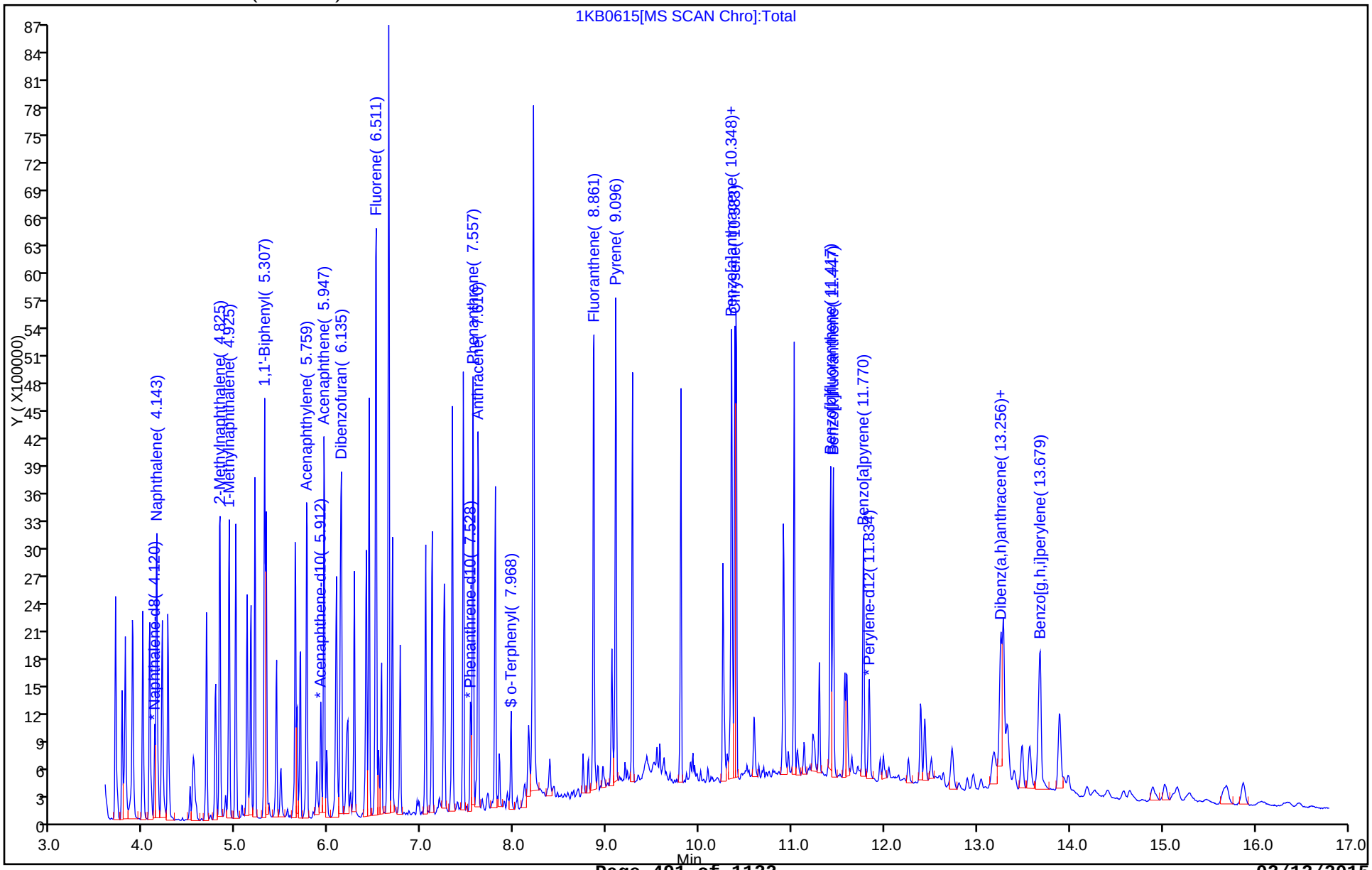
SM-LLISTD_00118	Amount Added: 10.00	Units: uL	Run Reagent

Report Date: 07-Feb-2015 09:08:30 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSK\20150206-16900.b\1KB0615.D				
Injection Date:	06-Feb-2015 17:52:30	Instrument ID:	CMSK	Operator ID:	
Lims ID:	680-109515-A-6-C MSD			Worklist Smp#:	15
Client ID:	CV0511AB3-GS12"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8270_LLPAH_CMSK	Limit Group:	8270D_LL_PAH		

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-109515-2

SDG No.: 680-109515-02

Client Sample ID: | Lab Sample ID: 680-109515-A-49-F MSD

Matrix: Solid | Lab File ID: 2YB0731.D

Analysis Method: 8270D_LL_PAH | Date Collected: 01/28/2015 13:35

Extract. Method: 3546 | Date Extracted: 02/03/2015 13:35

Sample wt/vol: 30.18(g) | Date Analyzed: 02/07/2015 23:50

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

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

% Moisture: 24.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 370012 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	278		8.8	4.3
208-96-8	Acenaphthylene	279		8.8	4.3
120-12-7	Anthracene	286		8.8	4.3
56-55-3	Benzo[a]anthracene	467		8.8	4.3
50-32-8	Benzo[a]pyrene	430		8.8	1.6
205-99-2	Benzo[b]fluoranthene	678		8.8	4.3
191-24-2	Benzo[g,h,i]perylene	218		8.8	4.3
207-08-9	Benzo[k]fluoranthene	347		8.8	2.6
218-01-9	Chrysene	470		8.8	4.3
53-70-3	Dibenz(a,h)anthracene	243		8.8	4.3
206-44-0	Fluoranthene	503		8.8	4.3
86-73-7	Fluorene	276		8.8	4.3
193-39-5	Indeno[1,2,3-cd]pyrene	211		8.8	4.3
90-12-0	1-Methylnaphthalene	295		8.8	4.1
91-57-6	2-Methylnaphthalene	398		8.8	4.3
91-20-3	Naphthalene	282		8.8	4.3
85-01-8	Phenanthrene	487		8.8	3.1
129-00-0	Pyrene	549		8.8	4.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	114		36-131

TestAmerica Savannah
Target Compound Quantitation Report

Data File: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0731.D
Lims ID: 680-109515-A-49-F MSD
Client ID: CV0312A-CS12"
Sample Type: MSD
Inject. Date: 07-Feb-2015 23:50:30 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 109515-A-49-F MSD
Misc. Info.: 680-0016926-031
Operator ID: Instrument ID: CMSY

Method: \\SAVCHROM\ChromData\CMSY\20150207-16926.b\8270D_LLPAH_MSY.m
Limit Group: 8270D_LL_PAH
Last Update: 09-Feb-2015 10:13:07 Calib Date: 03-Feb-2015 18:57:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\SAVCHROM\ChromData\CMSY\20150203-16804.b\3YB0308.D

Column 1 : Restek RXi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: webbk Date: 09-Feb-2015 10:03:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 1 Naphthalene-d8	136	3.088	3.077	0.011	87	494910	2.00	2.00	
* 2 Acenaphthene-d10	164	4.826	4.805	0.021	92	276181	2.00	2.00	
* 3 Phenanthrene-d10	188	6.436	6.398	0.038	76	391981	2.00	2.00	
* 4 Chrysene-d12	240	9.351	9.292	0.059	72	294175	2.00	2.00	
* 5 Perylene-d12	264	10.720	10.645	0.075	97	226815	2.00	2.00	
$ 6 o-Terphenyl	230	6.896	6.880	0.016	88	201018	2.00	2.28	
7 Naphthalene	128	3.104	3.093	0.011	93	1848845	10.0	6.45	
9 2-Methylnaphthalene	142	3.767	3.751	0.016	82	1791921	10.0	9.10	
10 1-Methylnaphthalene	142	3.863	3.842	0.021	88	1187111	10.0	6.76	
11 1,1'-Biphenyl	154	4.248	4.227	0.021	100	1497913	NC	NC	
12 Acenaphthylene	152	4.676	4.649	0.027	89	1758416	10.0	6.38	
14 Acenaphthene	153	4.863	4.837	0.026	94	1138655	10.0	6.37	
15 Dibenzofuran	168	5.056	5.029	0.027	99	1662712	NC	NC	
16 Fluorene	166	5.425	5.393	0.032	91	1282086	10.0	6.32	
8 Pentachlorophenol_T	266	6.291	6.233	0.058	0	428792		NC	
17 Phenanthrene	178	6.468	6.431	0.037	97	2695967	10.0	11.1	
18 Anthracene	178	6.521	6.484	0.037	98	1509074	10.0	6.54	
19 Fluoranthene	202	7.789	7.741	0.048	96	2896068	10.0	11.5	
13 Benzidine_T	184	8.131	7.939	0.192	0	493		NC	
20 Pyrene	202	8.030	7.982	0.048	97	2481003	10.0	12.6	
21 Benzo[a]anthracene	228	9.340	9.287	0.053	98	1935987	10.0	10.7	
22 Chrysene	228	9.378	9.319	0.059	97	1688416	10.0	10.8	
23 Benzo[b]fluoranthene	252	10.399	10.324	0.075	97	2322585	10.0	15.5	
24 Benzo[k]fluoranthene	252	10.415	10.346	0.069	95	1203811	10.0	7.95	M
25 Benzo[a]pyrene	252	10.677	10.602	0.075	98	1298265	10.0	9.85	
26 Indeno[1,2,3-cd]pyrene	276	11.688	11.576	0.112	97	860405	10.0	4.82	
27 Dibenz(a,h)anthracene	278	11.699	11.597	0.102	82	644732	10.0	5.56	
28 Benzo[g,h,i]perylene	276	11.956	11.833	0.123	90	626136	10.0	4.98	
30 4,4'-DDE	246	8.196	8.169	0.027	1	1387		NR	7
31 4,4'-DDD	235	8.618	8.538	0.080	25	2582		NR	7
32 4,4'-DDT	235	8.982	8.853	0.129	44	25418		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

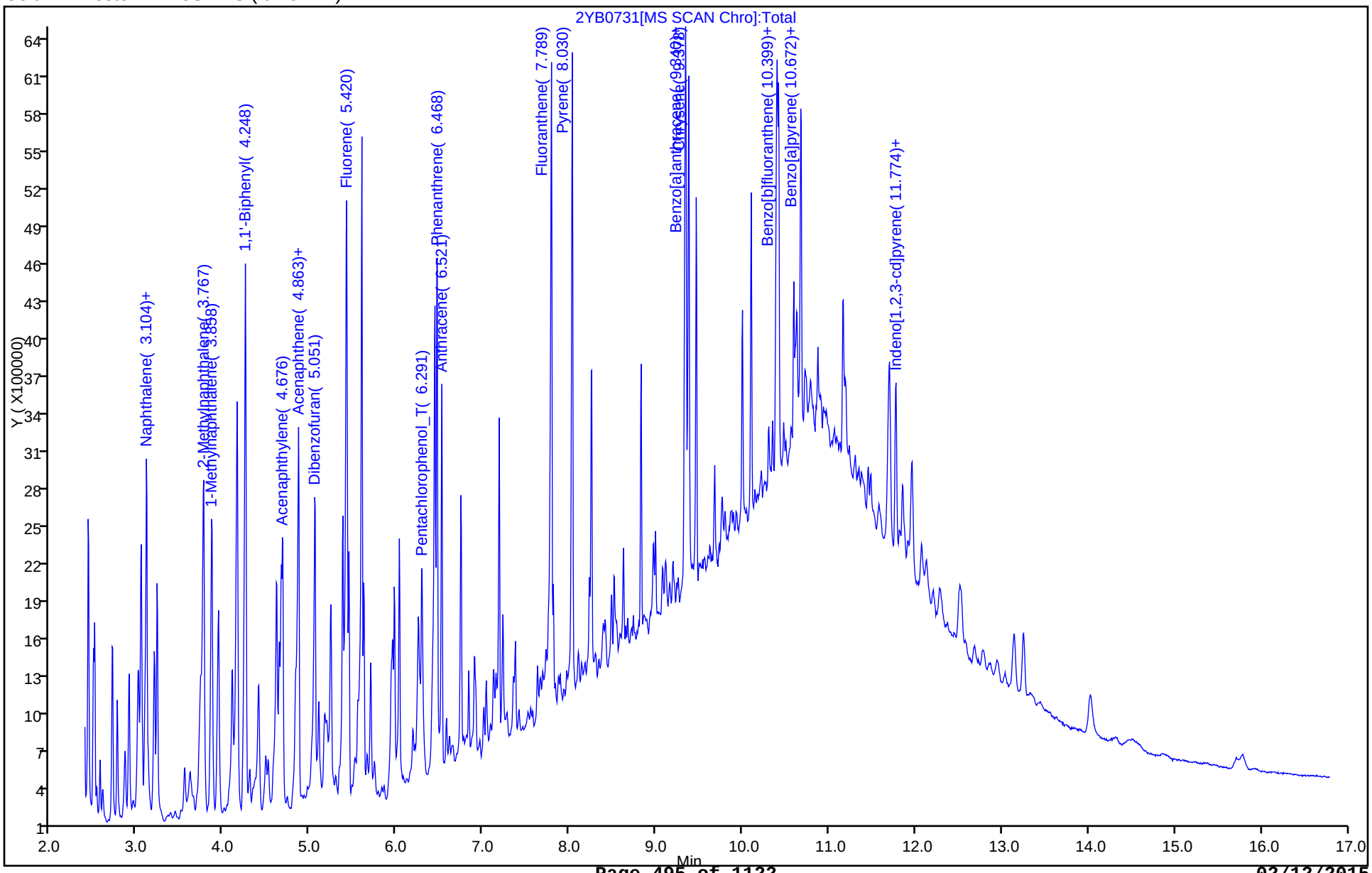
SM-LLISTD_00118	Amount Added:	10.00	Units: uL	Run Reagent

Report Date: 09-Feb-2015 10:16:14 Chrom Revision: 2.2 15-Jan-2015 13:05:58

TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0731.D				
Injection Date:	07-Feb-2015 23:50:30	Instrument ID:	CMSY	Operator ID:	
Lims ID:	680-109515-A-49-F MSD			Worklist Smp#:	31
Client ID:	CV0312A-CS12"				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	8270D_LLPAH_MSY	Limit Group:	8270D_LL_PAH		

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



Manual Integration/User Assign Peak Report

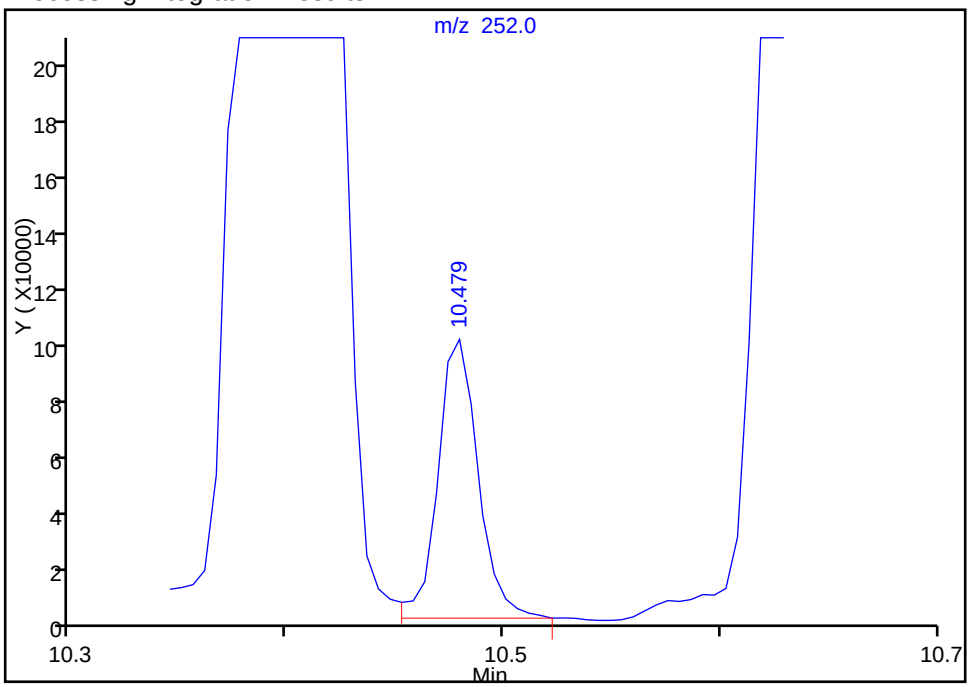
TestAmerica Savannah

Data File:	\\SAVCHROM\ChromData\CMSY\20150207-16926.b\2YB0731.D				
Injection Date:	07-Feb-2015 23:50:30	Instrument ID:	CMSY		
Lims ID:	680-109515-A-49-F MSD				
Client ID:	CV0312A-CS12"				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
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 Benzo[k]fluoranthene, CAS: 207-08-9

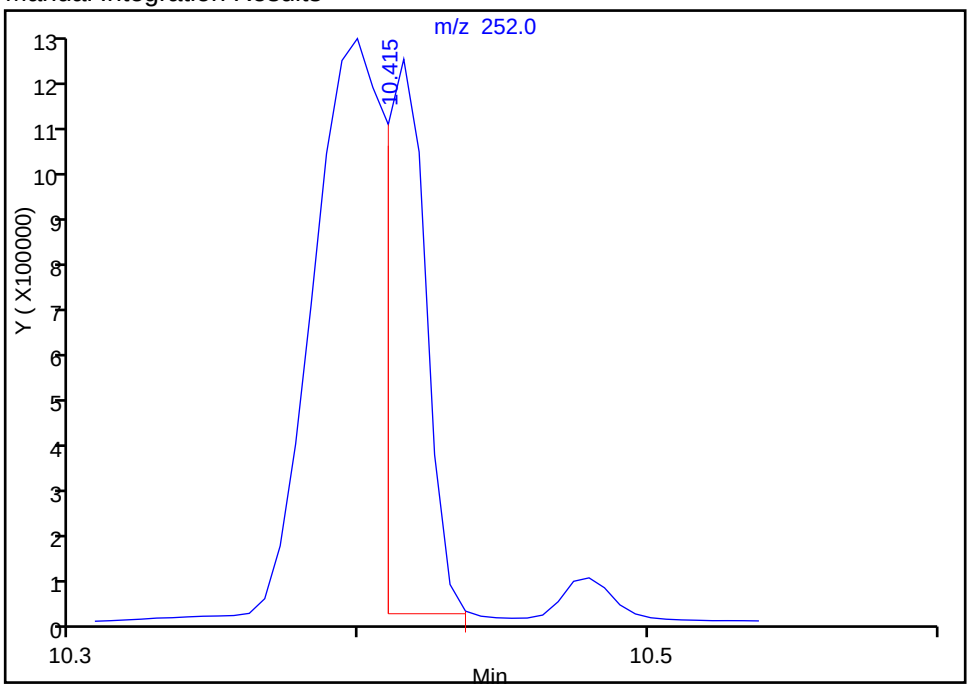
Processing Integration Results

RT: 10.48
Area: 122725
Amount: 0.810388
Amount Units: ug/ml



Manual Integration Results

RT: 10.42
Area: 1203811
Amount: 7.949107
Amount Units: ug/ml



Reviewer: webbk, 09-Feb-2015 10:03:37
Audit Action: Manually Integrated
Audit Reason: Split Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: CMSK Start Date: 02/04/2015 09:05

Analysis Batch Number: 369458 End Date: 02/04/2015 16:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-369458/2		02/04/2015 09:05	1	1KB0402.D	RXi- 5Sil MS 0.25(mm)
ICIS 680-369458/3		02/04/2015 09:19	1	1KB0403.D	RXi- 5Sil MS 0.25(mm)
IC 680-369458/4		02/04/2015 09:42	1	1KB0404.D	RXi- 5Sil MS 0.25(mm)
IC 680-369458/5		02/04/2015 10:05	1	1KB0405.D	RXi- 5Sil MS 0.25(mm)
IC 680-369458/6		02/04/2015 10:27	1	1KB0406.D	RXi- 5Sil MS 0.25(mm)
IC 680-369458/7		02/04/2015 10:50	1	1KB0407.D	RXi- 5Sil MS 0.25(mm)
IC 680-369458/8		02/04/2015 11:13	1	1KB0408.D	RXi- 5Sil MS 0.25(mm)
IC 680-369458/9		02/04/2015 11:35	1	1KB0409.D	RXi- 5Sil MS 0.25(mm)
ICV 680-369458/10		02/04/2015 11:59	1	1KB0410.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/04/2015 12:22	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/04/2015 14:40	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/04/2015 15:03	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/04/2015 15:26	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/04/2015 15:49	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/04/2015 16:12	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/04/2015 16:35	1		RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: CMSK Start Date: 02/06/2015 12:40

Analysis Batch Number: 369912 End Date: 02/07/2015 00:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-369912/1		02/06/2015 12:40	1	1KB0601.D	RXi- 5Sil MS 0.25(mm)
CCVIS 680-369912/2		02/06/2015 12:54	1	1KB0602.D	RXi- 5Sil MS 0.25(mm)
RL 680-369912/3		02/06/2015 13:17	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 13:40	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 14:03	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 14:26	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 14:49	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 15:12	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 15:35	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 15:58	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 16:20	10		RXi- 5Sil MS 0.25(mm)
MB 680-369207/21-A		02/06/2015 16:43	1	1KB0612.D	RXi- 5Sil MS 0.25(mm)
LCS 680-369207/22-A		02/06/2015 17:06	1	1KB0613.D	RXi- 5Sil MS 0.25(mm)
680-109515-A-6-B MS		02/06/2015 17:29	1	1KB0614.D	RXi- 5Sil MS 0.25(mm)
680-109515-A-6-C MSD		02/06/2015 17:52	1	1KB0615.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 18:15	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 18:38	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 19:01	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 19:46	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 20:32	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 20:55	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 21:17	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 22:03	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 22:26	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 22:49	1		RXi- 5Sil MS 0.25(mm)
680-109515-16	CV0627B-GS12"	02/06/2015 23:34	1	1KB0630.D	RXi- 5Sil MS 0.25(mm)
680-109515-17	CV0627B-GS18"	02/06/2015 23:57	1	1KB0631.D	RXi- 5Sil MS 0.25(mm)
680-109515-18	CV0627B-GS24"	02/07/2015 00:20	1	1KB0632.D	RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: CMSK Start Date: 02/07/2015 10:06

Analysis Batch Number: 369988 End Date: 02/07/2015 21:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-369988/2		02/07/2015 10:06	1	1KB0702.D	RXi- 5Sil MS 0.25(mm)
CCVIS 680-369988/3		02/07/2015 10:20	1	1KB0703.D	RXi- 5Sil MS 0.25(mm)
RL 680-369988/4		02/07/2015 10:43	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 11:06	1		RXi- 5Sil MS 0.25(mm)
680-109515-15	CV0627B-GS6"	02/07/2015 11:29	1	1KB0706.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 11:52	1		RXi- 5Sil MS 0.25(mm)
680-109515-28	HP0320K-CS6"	02/07/2015 12:15	10	1KB0708.D	RXi- 5Sil MS 0.25(mm)
680-109515-19	CV0627B-CS0-4"	02/07/2015 12:37	10	1KB0709.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 13:00	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 13:23	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 13:46	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 14:09	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 14:32	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 14:55	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 15:41	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 16:04	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 16:27	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 16:50	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 17:36	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 18:21	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 18:44	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 19:30	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 20:39	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 21:02	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 21:25	1		RXi- 5Sil MS 0.25(mm)
680-109515-32	HP0320J-CS6"	02/07/2015 21:48	1	1KB0733.D	RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: CMSY Start Date: 02/03/2015 16:22

Analysis Batch Number: 369429 End Date: 02/04/2015 03:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-369429/1		02/03/2015 16:22	1	3YB0301.D	RXi- 5Sil MS 0.25(mm)
ICIS 680-369429/2		02/03/2015 16:39	1	3YB0302.D	RXi- 5Sil MS 0.25(mm)
IC 680-369429/3		02/03/2015 17:02	1	3YB0303.D	RXi- 5Sil MS 0.25(mm)
IC 680-369429/4		02/03/2015 17:25	1	3YB0304.D	RXi- 5Sil MS 0.25(mm)
IC 680-369429/5		02/03/2015 17:48	1	3YB0305.D	RXi- 5Sil MS 0.25(mm)
IC 680-369429/6		02/03/2015 18:11	1	3YB0306.D	RXi- 5Sil MS 0.25(mm)
IC 680-369429/7		02/03/2015 18:34	1	3YB0307.D	RXi- 5Sil MS 0.25(mm)
IC 680-369429/8		02/03/2015 18:57	1	3YB0308.D	RXi- 5Sil MS 0.25(mm)
ICV 680-369429/9		02/03/2015 19:20	1	3YB0309.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/03/2015 19:43	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/03/2015 20:06	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/03/2015 20:29	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/03/2015 20:53	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/03/2015 21:16	10		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/04/2015 02:15	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/04/2015 02:39	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/04/2015 03:02	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/04/2015 03:25	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/04/2015 03:48	1		RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: CMSY Start Date: 02/06/2015 16:08

Analysis Batch Number: 369958 End Date: 02/07/2015 01:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-369958/1		02/06/2015 16:08	1	2YB0601.D	RXi- 5Sil MS 0.25(mm)
CCVIS 680-369958/2		02/06/2015 16:31	1	2YB0602.D	RXi- 5Sil MS 0.25(mm)
RL 680-369958/3		02/06/2015 16:53	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/06/2015 17:15	1		RXi- 5Sil MS 0.25(mm)
MB 680-369210/18-A		02/06/2015 17:38	1	2YB0605.D	RXi- 5Sil MS 0.25(mm)
LCS 680-369210/19-A		02/06/2015 18:00	1	2YB0606.D	RXi- 5Sil MS 0.25(mm)
680-109515-15 MS	CV0627B-GS6" MS	02/06/2015 18:22	1	2YB0607.D	RXi- 5Sil MS 0.25(mm)
680-109515-15 MSD	CV0627B-GS6" MSD	02/06/2015 18:44	1	2YB0608.D	RXi- 5Sil MS 0.25(mm)
680-109515-21	HP0320C-CS12"	02/06/2015 19:29	1	2YB0610.D	RXi- 5Sil MS 0.25(mm)
680-109515-22	HP0320C-CS18"	02/06/2015 19:51	1	2YB0611.D	RXi- 5Sil MS 0.25(mm)
680-109515-23	HP0320C-CS24"	02/06/2015 20:13	1	2YB0612.D	RXi- 5Sil MS 0.25(mm)
680-109515-24	HP0320E-CS6"	02/06/2015 20:36	1	2YB0613.D	RXi- 5Sil MS 0.25(mm)
680-109515-25	HP0320E-GS12"	02/06/2015 20:58	1	2YB0614.D	RXi- 5Sil MS 0.25(mm)
680-109515-26	HP0320E-GS18"	02/06/2015 21:20	1	2YB0615.D	RXi- 5Sil MS 0.25(mm)
680-109515-27	HP0320E-GS24"	02/06/2015 21:43	1	2YB0616.D	RXi- 5Sil MS 0.25(mm)
680-109515-29	HP0320K-CS12"	02/06/2015 22:27	1	2YB0618.D	RXi- 5Sil MS 0.25(mm)
680-109515-30	HP0320K-GS18"	02/06/2015 22:50	1	2YB0619.D	RXi- 5Sil MS 0.25(mm)
680-109515-31	HP0320K-GS24"	02/06/2015 23:12	1	2YB0620.D	RXi- 5Sil MS 0.25(mm)
680-109515-33	HP0320J-CS12"	02/06/2015 23:34	1	2YB0621.D	RXi- 5Sil MS 0.25(mm)
680-109515-34	HP0320J-GS18"	02/06/2015 23:56	1	2YB0622.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 00:19	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 00:41	1		RXi- 5Sil MS 0.25(mm)
680-109515-20	HP0320C-CS6"	02/07/2015 01:26	1	2YB0626.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 01:48	1		RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: CMSY Start Date: 02/07/2015 12:42

Analysis Batch Number: 370012 End Date: 02/08/2015 00:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 680-370012/1		02/07/2015 12:42	1	2YB0701.D	RXi- 5Sil MS 0.25(mm)
CCVIS 680-370012/2		02/07/2015 13:04	1	2YB0702.D	RXi- 5Sil MS 0.25(mm)
RL 680-370012/3		02/07/2015 13:26	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 13:48	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 14:11	1		RXi- 5Sil MS 0.25(mm)
MB 680-369331/9-A		02/07/2015 14:33	1	2YB0706.D	RXi- 5Sil MS 0.25(mm)
LCS 680-369331/10-A		02/07/2015 15:18	1	2YB0708.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 16:46	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 17:09	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 17:31	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 17:53	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 18:38	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 19:00	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 19:22	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 20:07	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 20:29	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 21:13	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 21:36	1		RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/07/2015 22:43	1		RXi- 5Sil MS 0.25(mm)
680-109515-A-49-E MS		02/07/2015 23:28	1	2YB0730.D	RXi- 5Sil MS 0.25(mm)
680-109515-A-49-F MSD		02/07/2015 23:50	1	2YB0731.D	RXi- 5Sil MS 0.25(mm)
ZZZZZ		02/08/2015 00:12	1		RXi- 5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Batch Number: 369207 Batch Start Date: 02/02/15 14:00 Batch Analyst: Vasquez, Juana M

Batch Method: 3546 Batch End Date: 02/02/15 14:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX8270SPKL1 00023	LLBNAwkSUR 00082	LLBNAwkSUR 00083	AnalysisComment
680-109515-B-16	CV0627B-GS12"	3546, 8270D_LL_PAH	T	30.04 g	1 mL		1 mL		
680-109515-B-17	CV0627B-GS18"	3546, 8270D_LL_PAH	T	30.10 g	1 mL		1 mL		
680-109515-B-18	CV0627B-GS24"	3546, 8270D_LL_PAH	T	29.91 g	1 mL		1 mL		
680-109515-B-19	CV0627B-CS0-4"	3546, 8270D_LL_PAH	T	30.30 g	1 mL		1 mL		
680-109515-A-20	HP0320C-CS6"	3546, 8270D_LL_PAH	T	29.95 g	1 mL		1 mL		
MB 680-369207/21		3546, 8270D_LL_PAH		29.99 g	1 mL			1 mL	
LCS 680-369207/22		3546, 8270D_LL_PAH		30.03 g	1 mL	100 uL		1 mL	8270LLSPK
680-109515-A-6 MS		3546, 8270D_LL_PAH	T	30.19 g	1 mL	100 uL		1 mL	8270LLSPK
680-109515-A-6 MSD		3546, 8270D_LL_PAH	T	30.22 g	1 mL	100 uL		1 mL	8270LLSPK

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Batch Number: 369207 Batch Start Date: 02/02/15 14:00 Batch Analyst: Vasquez, Juana M

Batch Method: 3546 Batch End Date: 02/02/15 14:30

Batch Notes	
Balance ID	30
Batch Comment	8270D_LL_PAH BOX LL253
Concentration End Time	1618
Concentration Start Time	1510
Person's name who did the concentration	JV
Exchange Solvent Lot #	3927542
Exchange Solvent Name	MECL2
Filter Paper Lot Number	3896117
Final Concentrator Volume	1 mL
MeCl2/Acetone Lot #	3787739
Microwave Oven ID	1
Microwave Start Time	1400
Microwave Stop Time	1430
Na2SO4 Lot Number	3927632
Ottawa Sand Lot #	3907334
Person's name who did the prep	JV
Person who performed Spike	JV
Person who witnessed spiking	Jmk

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Batch Number: 369210 Batch Start Date: 02/02/15 14:35 Batch Analyst: Vasquez, Juana M

Batch Method: 3546 Batch End Date: 02/02/15 15:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX8270SPKL1 00023	LLBNAwkSUR 00083	AnalysisComment	
680-109515-A-15	CV0627B-GS6"	3546, 8270D_LL_PAH	T	30.05 g	1 mL		1 mL		
680-109515-A-21	HP0320C-CS12"	3546, 8270D_LL_PAH	T	30.08 g	1 mL		1 mL		
680-109515-B-22	HP0320C-CS18"	3546, 8270D_LL_PAH	T	30.14 g	1 mL		1 mL		
680-109515-A-23	HP0320C-CS24"	3546, 8270D_LL_PAH	T	29.91 g	1 mL		1 mL		
680-109515-A-24	HP0320E-CS6"	3546, 8270D_LL_PAH	T	29.90 g	1 mL		1 mL		
680-109515-B-25	HP0320E-GS12"	3546, 8270D_LL_PAH	T	30.33 g	1 mL		1 mL		
680-109515-A-26	HP0320E-GS18"	3546, 8270D_LL_PAH	T	30.18 g	1 mL		1 mL		
680-109515-B-27	HP0320E-GS24"	3546, 8270D_LL_PAH	T	30.21 g	1 mL		1 mL		
680-109515-A-28	HP0320K-CS6"	3546, 8270D_LL_PAH	T	30.22 g	1 mL		1 mL		
680-109515-A-29	HP0320K-CS12"	3546, 8270D_LL_PAH	T	30.13 g	1 mL		1 mL		
680-109515-A-30	HP0320K-GS18"	3546, 8270D_LL_PAH	T	30.32 g	1 mL		1 mL		
680-109515-B-31	HP0320K-GS24"	3546, 8270D_LL_PAH	T	30.15 g	1 mL		1 mL		
680-109515-A-33	HP0320J-CS12"	3546, 8270D_LL_PAH	T	30.15 g	1 mL		1 mL		
680-109515-B-34	HP0320J-GS18"	3546, 8270D_LL_PAH	T	30.07 g	1 mL		1 mL		
MB 680-369210/18		3546, 8270D_LL_PAH		30.00 g	1 mL		1 mL		
LCS 680-369210/19		3546, 8270D_LL_PAH		30.06 g	1 mL	100 uL	1 mL	8270LLSPK	
680-109515-A-15 MS	CV0627B-GS6"	3546, 8270D_LL_PAH	T	30.06 g	1 mL	100 uL	1 mL	8270LLSPK	
680-109515-A-15 MSD	CV0627B-GS6"	3546, 8270D_LL_PAH	T	29.94 g	1 mL	100 uL	1 mL	8270LLSPK	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Batch Number: 369210 Batch Start Date: 02/02/15 14:35 Batch Analyst: Vasquez, Juana M

Batch Method: 3546 Batch End Date: 02/02/15 15:05

Batch Notes	
Balance ID	30
Batch Comment	8270D_LL_PAH BOX LL 258
Concentration End Time	1652
Concentration Start Time	1555
Person's name who did the concentration	JV
Exchange Solvent Lot #	3912990
Exchange Solvent Name	MECL2
Filter Paper Lot Number	3896117
Final Concentrator Volume	1 mL
MeCl2/Acetone Lot #	3787739
Microwave Oven ID	1
Microwave Start Time	1435
Microwave Stop Time	1505
Na2SO4 Lot Number	3927632
Ottawa Sand Lot #	3907334
Person's name who did the prep	JV
Person who performed Spike	JV
Person who witnessed spiking	JMK

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Batch Number: 369331 Batch Start Date: 02/03/15 13:35 Batch Analyst: Vasquez, Juana M

Batch Method: 3546 Batch End Date: 02/03/15 14:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX8270SPKL1 00023	LLBNAwkSUR 00083	AnalysisComment	
680-109515-A-32	HP0320J-CS6"	3546, 8270D_LL_PAH	T	29.95 g	1 mL		1 mL		
MB 680-369331/9		3546, 8270D_LL_PAH		30.02 g	1 mL		1 mL		
LCS 680-369331/10		3546, 8270D_LL_PAH		30.07 g	1 mL	100 uL	1 mL	8270LLSPK	
680-109515-A-49 MS		3546, 8270D_LL_PAH	T	30.08 g	1 mL	100 uL	1 mL	8270LLSPK	
680-109515-A-49 MSD		3546, 8270D_LL_PAH	T	30.18 g	1 mL	100 uL	1 mL	8270LLSPK	

Batch Notes	
Balance ID	30
Batch Comment	8270D_LL_PAH BOX LL260
Concentration End Time	1541
Concentration Start Time	1449
Person's name who did the concentration	JV
Exchange Solvent Lot #	3920730
Exchange Solvent Name	MECL2
Filter Paper Lot Number	3896118
Final Concentrator Volume	1 mL
MeCl2/Acetone Lot #	3787739
Microwave Oven ID	1
Microwave Start Time	1335
Microwave Stop Time	1405
Na2SO4 Lot Number	3927633
Ottawa Sand Lot #	3907334
Person's name who did the prep	JV
Person who performed Spike	JV
Person who witnessed spiking	JMK

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.: 680-109515-2

SDG No.: 680-109515-02

Batch Number: 369331 Batch Start Date: 02/03/15 13:35 Batch Analyst: Vasquez, Juana M

Batch Method: 3546 Batch End Date: 02/03/15 14:05

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: 680-109515-2

SDG No.: 680-109515-02

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV0627B-GS6"	680-109515-15
CV0627B-GS12"	680-109515-16
CV0627B-GS18"	680-109515-17
CV0627B-GS24"	680-109515-18
CV0627B-CS0-4"	680-109515-19
HP0320C-CS6"	680-109515-20
HP0320C-CS12"	680-109515-21
HP0320C-CS18"	680-109515-22
HP0320C-CS24"	680-109515-23
HP0320E-CS6"	680-109515-24
HP0320E-GS12"	680-109515-25
HP0320E-GS18"	680-109515-26
HP0320E-GS24"	680-109515-27
HP0320K-CS6"	680-109515-28
HP0320K-CS12"	680-109515-29
HP0320K-GS18"	680-109515-30
HP0320K-GS24"	680-109515-31
HP0320J-CS6"	680-109515-32
HP0320J-CS12"	680-109515-33
HP0320J-GS18"	680-109515-34

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0627B-GS6"

Lab Sample ID: 680-109515-15

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 09:05

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 77.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	24	12	mg/Kg			1	6010C
7440-38-2	Arsenic	45	2.4	0.72	mg/Kg			1	6010C
7439-89-6	Iron	44000	24	8.5	mg/Kg			1	6010C
7439-92-1	Lead	120	1.2	0.64	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0627B-GS12"

Lab Sample ID: 680-109515-16

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 09:10

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 82.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	24	12	mg/Kg			1	6010C
7440-38-2	Arsenic	25	2.4	0.71	mg/Kg			1	6010C
7439-89-6	Iron	47000	24	8.4	mg/Kg			1	6010C
7439-92-1	Lead	40	1.2	0.64	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0627B-GS18"

Lab Sample ID: 680-109515-17

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 09:15

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 86.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	21000	220	110	mg/Kg			10	6010C
7440-38-2	Arsenic	50	22	6.5	mg/Kg			10	6010C
7439-89-6	Iron	130000	220	77	mg/Kg			10	6010C
7439-92-1	Lead	67	11	5.8	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0627B-GS24"

Lab Sample ID: 680-109515-18

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 09:20

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 80.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	20000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	31	2.2	0.65	mg/Kg			1	6010C
7439-89-6	Iron	78000	22	7.7	mg/Kg			1	6010C
7439-92-1	Lead	35	1.1	0.59	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0627B-CS0-4"
Lab Sample ID: 680-109515-19
Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG ID.: 680-109515-02
Matrix: Solid
Date Sampled: 01/27/2015 09:15
Reporting Basis: DRY
Date Received: 01/31/2015 08:52
% Solids: 71.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	27	13	mg/Kg			1	6010C
7440-38-2	Arsenic	44	2.7	0.79	mg/Kg			1	6010C
7439-89-6	Iron	44000	27	9.3	mg/Kg			1	6010C
7439-92-1	Lead	180	1.3	0.71	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320C-CS6"

Lab Sample ID: 680-109515-20

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 10:05

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 83.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	23	12	mg/Kg			1	6010C
7440-38-2	Arsenic	32	2.3	0.69	mg/Kg			1	6010C
7439-89-6	Iron	52000	23	8.2	mg/Kg			1	6010C
7439-92-1	Lead	100	12	6.2	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320C-CS12"

Lab Sample ID: 680-109515-21

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 10:10

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 83.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8900	20	10	mg/Kg			1	6010C
7440-38-2	Arsenic	9.6	2.0	0.60	mg/Kg			1	6010C
7439-89-6	Iron	20000	20	7.1	mg/Kg			1	6010C
7439-92-1	Lead	33	10	5.4	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320C-CS18"

Lab Sample ID: 680-109515-22

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 10:15

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 82.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	24	12	mg/Kg			1	6010C
7440-38-2	Arsenic	13	2.4	0.70	mg/Kg			1	6010C
7439-89-6	Iron	32000	24	8.3	mg/Kg			1	6010C
7439-92-1	Lead	20	1.2	0.63	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320C-CS24"

Lab Sample ID: 680-109515-23

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 10:20

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 82.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	23	12	mg/Kg			1	6010C
7440-38-2	Arsenic	7.7	2.3	0.68	mg/Kg			1	6010C
7439-89-6	Iron	23000	23	8.1	mg/Kg			1	6010C
7439-92-1	Lead	13	1.2	0.61	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320E-CS6"

Lab Sample ID: 680-109515-24

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 11:20

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 83.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	21	11	mg/Kg			1	6010C
7440-38-2	Arsenic	18	2.1	0.63	mg/Kg			1	6010C
7439-89-6	Iron	36000	21	7.4	mg/Kg			1	6010C
7439-92-1	Lead	130	1.1	0.56	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320E-GS12"
Lab Sample ID: 680-109515-25
Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG ID.: 680-109515-02
Matrix: Solid
Date Sampled: 01/27/2015 11:25
Reporting Basis: DRY
Date Received: 01/31/2015 08:52
% Solids: 83.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	25	2.2	0.66	mg/Kg			1	6010C
7439-89-6	Iron	57000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	26	1.1	0.59	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320E-GS18"

Lab Sample ID: 680-109515-26

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 11:30

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 82.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	23	12	mg/Kg			1	6010C
7440-38-2	Arsenic	16	2.3	0.69	mg/Kg			1	6010C
7439-89-6	Iron	37000	23	8.1	mg/Kg			1	6010C
7439-92-1	Lead	18	1.2	0.62	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320E-GS24"
Lab Sample ID: 680-109515-27
Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG ID.: 680-109515-02
Matrix: Solid
Date Sampled: 01/27/2015 11:35
Reporting Basis: DRY
Date Received: 01/31/2015 08:52
% Solids: 82.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	21	2.2	0.64	mg/Kg			1	6010C
7439-89-6	Iron	52000	22	7.5	mg/Kg			1	6010C
7439-92-1	Lead	21	1.1	0.57	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320K-CS6"

Lab Sample ID: 680-109515-28

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 13:15

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 80.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	17000	24	12	mg/Kg			1	6010C
7440-38-2	Arsenic	35	2.4	0.72	mg/Kg			1	6010C
7439-89-6	Iron	57000	24	8.5	mg/Kg			1	6010C
7439-92-1	Lead	260	1.2	0.64	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320K-CS12"
Lab Sample ID: 680-109515-29
Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG ID.: 680-109515-02
Matrix: Solid
Date Sampled: 01/27/2015 13:20
Reporting Basis: DRY
Date Received: 01/31/2015 08:52
% Solids: 80.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10000	24	12	mg/Kg			1	6010C
7440-38-2	Arsenic	15	2.4	0.70	mg/Kg			1	6010C
7439-89-6	Iron	27000	24	8.3	mg/Kg			1	6010C
7439-92-1	Lead	57	1.2	0.63	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320K-GS18"

Lab Sample ID: 680-109515-30

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 13:25

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 82.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	7.4	2.2	0.65	mg/Kg			1	6010C
7439-89-6	Iron	21000	22	7.8	mg/Kg			1	6010C
7439-92-1	Lead	13	1.1	0.59	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320K-GS24"

Lab Sample ID: 680-109515-31

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 13:30

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 80.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	25	12	mg/Kg			1	6010C
7440-38-2	Arsenic	9.3	2.5	0.73	mg/Kg			1	6010C
7439-89-6	Iron	25000	25	8.6	mg/Kg			1	6010C
7439-92-1	Lead	16	1.2	0.65	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320J-CS6"

Lab Sample ID: 680-109515-32

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 14:10

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 77.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14000	22	11	mg/Kg			1	6010C
7440-38-2	Arsenic	28	2.2	0.65	mg/Kg			1	6010C
7439-89-6	Iron	45000	22	7.7	mg/Kg			1	6010C
7439-92-1	Lead	80	11	5.9	mg/Kg			10	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320J-CS12"

Lab Sample ID: 680-109515-33

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 14:15

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 76.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15000	23	12	mg/Kg			1	6010C
7440-38-2	Arsenic	22	2.3	0.69	mg/Kg			1	6010C
7439-89-6	Iron	43000	23	8.2	mg/Kg			1	6010C
7439-92-1	Lead	50	1.2	0.62	mg/Kg			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0320J-GS18"

Lab Sample ID: 680-109515-34

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG ID.: 680-109515-02

Matrix: Solid

Date Sampled: 01/27/2015 14:20

Reporting Basis: DRY

Date Received: 01/31/2015 08:52

% Solids: 76.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	17000	24	12	mg/Kg			1	6010C
7440-38-2	Arsenic	30	2.4	0.70	mg/Kg			1	6010C
7439-89-6	Iron	62000	24	8.3	mg/Kg			1	6010C
7439-92-1	Lead	120	12	6.3	mg/Kg			10	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

ICV Source: P_ICV_wk_00231 Concentration Units: ug/L

CCV Source: P_CCV_wk_00130

Analyte	ICV 680-369546/4 02/03/2015 13:48				CCV 680-369546/12 02/03/2015 14:26				CCV 680-369546/48 02/03/2015 17:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	972		1000	97	4720		5000	94	4730		5000	95
Arsenic	1020		1000	102	490		500	98	488		500	98
Iron	975		1000	97	4770		5000	95	4760		5000	95
Lead	1000		1000	100	486		500	97	484		500	97

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

ICV Source: P_ICV_wk_00231 Concentration Units: ug/L

CCV Source: P_CCV_wk_00130

Analyte	CCV 680-369546/60 02/03/2015 18:13				CCV 680-369546/72 02/03/2015 19:07				CCV 680-369546/84 02/03/2015 20:02			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4690		5000	94	4700		5000	94	4730		5000	95
Arsenic	484		500	97	481		500	96	483		500	97
Iron	4740		5000	95	4740		5000	95	4740		5000	95
Lead	481		500	96	486		500	97	482		500	96

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

ICV Source: P_ICV_wk_00231 Concentration Units: ug/L

CCV Source: P_CCV_wk_00130

Analyte	CCV 680-369546/96 02/03/2015 20:57											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4710		5000	94								
Arsenic	481		500	96								
Iron	4720		5000	94								
Lead	479		500	96								

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

ICV Source: P_ICV_wk_00231 Concentration Units: ug/L

CCV Source: P_CCV_wk_00130

Analyte	ICV 680-369692/4 02/04/2015 15:05				CCV 680-369692/12 02/04/2015 15:44				CCV 680-369692/24 02/04/2015 16:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	983		1000	98	4660		5000	93	4670		5000	93
Arsenic	1040		1000	104	478		500	96	484		500	97
Iron	990		1000	99	4710		5000	94	4730		5000	95
Lead	1010		1000	101	484		500	97	483		500	97

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

ICV Source: P_ICV_wk_00231 Concentration Units: ug/L

CCV Source: P_CCV_wk_00130

Analyte	CCV 680-369692/36 02/04/2015 17:40				CCV 680-369692/48 02/04/2015 18:35				CCV 680-369692/242 02/05/2015 10:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4700		5000	94	4690		5000	94	4580		5000	92
Arsenic	481		500	96	476		500	95	464		500	93
Iron	4740		5000	95	4720		5000	94	4560		5000	91
Lead	483		500	97	479		500	96	471		500	94

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.: 680-109515-2

SDG No.: 680-109515-02

ICV Source: P_ICV_wk_00231 Concentration Units: ug/L

CCV Source: P_CCV_wk_00130

Analyte	CCV 680-369692/253 02/05/2015 11:03											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4640		5000	93								
Arsenic	470		500	94								
Iron	4570		5000	91								
Lead	470		500	94								

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.: 680-109515-2

SDG No.: 680-109515-02

Method: 6010C Instrument ID: ICPE

Lab Sample ID: CRI 680-369546/6 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00036

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	195	J	98	70-130
Arsenic	20.0	23.6		118	70-130
Iron	50.0	200	U	98	70-130
Lead	10.0	8.25	J	82	70-130

Lab Sample ID: CRI 680-369546/87 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00036

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	199	J	100	70-130
Arsenic	20.0	20.3		101	70-130
Iron	50.0	200	U	121	70-130
Lead	10.0	9.08	J	91	70-130

Lab Sample ID: CRI 680-369692/6 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00036

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	198	J	99	70-130
Arsenic	20.0	19.4	J	97	70-130
Iron	50.0	200	U	104	70-130
Lead	10.0	9.58	J	96	70-130

Lab Sample ID: CRI 680-369692/252 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00036

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	196	J	98	70-130
Arsenic	20.0	16.8	J	84	70-130

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Method: 6010C Instrument ID: ICPE

Lab Sample ID: CRI 680-369692/252 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_Int_00036

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Iron	50.0	200	U	104	70-130
Lead	10.0	9.50	J	95	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.: 680-109515-2

SDG No.: 680-109515-02

Concentration Units: ug/L

Analyte	RL	ICBIS 680-369546/5 02/03/2015 13:53		CCB 680-369546/13 02/03/2015 14:31		CCB 680-369546/49 02/03/2015 17:22		CCB 680-369546/61 02/03/2015 18:17	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Arsenic	20	20	U	20	U	20	U	20	U
Iron	200	200	U	200	U	200	U	200	U
Lead	10	10	U	10	U	10	U	10	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Concentration Units: ug/L

Analyte	RL	CCB 680-369546/73 02/03/2015 19:12		CCB 680-369546/85 02/03/2015 20:07		CCB 680-369546/97 02/03/2015 21:02			
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U		
Arsenic	20	20	U	20	U	20	U		
Iron	200	200	U	200	U	200	U		
Lead	10	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.: 680-109515-2

SDG No.: 680-109515-02

Concentration Units: ug/L

Analyte	RL	ICBIS 680-369692/5 02/04/2015 15:09		CCB 680-369692/13 02/04/2015 15:48		CCB 680-369692/25 02/04/2015 16:43		CCB 680-369692/37 02/04/2015 17:45	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Arsenic	20	20	U	20	U	20	U	20	U
Iron	200	200	U	200	U	200	U	200	U
Lead	10	10	U	10	U	10	U	10	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Concentration Units: ug/L

Analyte	RL	CCB 680-369692/49 02/04/2015 18:40		CCB 680-369692/243 02/05/2015 10:17		CCB 680-369692/254 02/05/2015 11:08			
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U		
Arsenic	20	20	U	20	U	20	U		
Iron	200	200	U	200	U	200	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.: 680-109515-2

SDG No.: 680-109515-02

Concentration Units: mg/Kg Lab Sample ID: MB 680-369174/1-A

Instrument Code: ICPE Batch No.: 369546

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	19	U		6010C
7440-38-2	Arsenic	1.9	U		6010C
7439-89-6	Iron	19	U		6010C
7439-92-1	Lead	0.96	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Concentration Units: mg/Kg Lab Sample ID: MB 680-369204/1-A

Instrument Code: ICPE Batch No.: 369692

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	18	U		6010C
7440-38-2	Arsenic	1.8	U		6010C
7439-89-6	Iron	18	U		6010C
7439-92-1	Lead	0.88	U		6010C

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID: ICSA 680-369546/7 Instrument ID: ICPE

Lab File ID: E02032015.csv ICS Source: P_ICSA_wk_00040

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**536544**	**107**
Arsenic		**4.37**	
Iron	**200000**	**184227**	**92**
Lead		**4.21**	
Antimony		*9.50*	
Barium		*-3.82*	
Beryllium		*-0.129*	
Boron		*1.41*	
Cadmium		*1.42*	
Calcium	*500000*	*498686*	*100*
Chromium		*-0.505*	
Cobalt		*-3.64*	
Copper		*3.16*	
Magnesium	*500000*	*514131*	*103*
Manganese		*1.39*	
Molybdenum		*0.878*	
Nickel		*-2.29*	
Potassium		*3.72*	
Selenium		*-3.48*	
Silver		*0.230*	
Sodium		*-303*	
Strontium		*-7.96*	
Thallium		*-1.90*	
Tin		*-2.80*	
Titanium		*2.13*	
Vanadium		*5.43*	
Zinc		*14.7*	

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.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID: ICSAB 680-369546/8 Instrument ID: ICPE

Lab File ID: E02032015.csv ICS Source: P_ICSAB_wk_00056

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**532628**	**107**
Arsenic	**100**	**108**	**108**
Iron	**200000**	**182641**	**91**
Lead	**50.0**	**52.9**	**106**
Antimony	*600*	*618*	*103*
Barium	*500*	*490*	*98*
Beryllium	*500*	*470*	*94*
Boron		*1.10*	
Cadmium	*1000*	*912*	*91*
Calcium	*500000*	*496305*	*99*
Chromium	*500*	*485*	*97*
Cobalt	*500*	*463*	*93*
Copper	*500*	*563*	*113*
Magnesium	*500000*	*507153*	*101*
Manganese	*500*	*497*	*99*
Molybdenum	*1000*	*996*	*100*
Nickel	*1000*	*895*	*89*
Potassium		*2.05*	
Selenium	*50.0*	*47.1*	*94*
Silver	*200*	*213*	*106*
Sodium		*-194*	
Strontium		*-7.86*	
Thallium	*100*	*85.9*	*86*
Tin	*1000*	*991*	*99*
Titanium		*2.15*	
Vanadium	*500*	*488*	*98*
Zinc	*1000*	*917*	*92*

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.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID: ICSA 680-369692/7 Instrument ID: ICPE

Lab File ID: E02042015F.csv ICS Source: P_ICSA_wk_00040

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**538078**	**108**
Arsenic		**5.78**	
Iron	**200000**	**184430**	**92**
Lead		**7.21**	
Antimony		*4.33*	
Barium		*-2.60*	
Beryllium		*-0.124*	
Boron		*2.79*	
Cadmium		*1.95*	
Calcium	*500000*	*506814*	*101*
Chromium		*-0.590*	
Cobalt		*-4.15*	
Copper		*2.76*	
Magnesium	*500000*	*508970*	*102*
Manganese		*1.71*	
Molybdenum		*0.454*	
Nickel		*-1.94*	
Potassium		*3.84*	
Selenium		*-3.11*	
Silver		*0.293*	
Sodium		*-80.4*	
Strontium		*-7.42*	
Thallium		*-8.04*	
Tin		*-0.689*	
Titanium		*2.14*	
Vanadium		*5.27*	
Zinc		*13.5*	

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.: 680-109515-2

SDG No.: 680-109515-02

Lab Sample ID: ICSAB 680-369692/8 Instrument ID: ICPE

Lab File ID: E02042015F.csv ICS Source: P_ICSAB_wk_00056

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**534265**	**107**
Arsenic	**100**	**113**	**113**
Iron	**200000**	**182568**	**91**
Lead	**50.0**	**50.6**	**101**
Antimony	*600*	*622*	*104*
Barium	*500*	*493*	*99*
Beryllium	*500*	*472*	*94*
Boron		*2.46*	
Cadmium	*1000*	*910*	*91*
Calcium	*500000*	*501802*	*100*
Chromium	*500*	*488*	*98*
Cobalt	*500*	*460*	*92*
Copper	*500*	*565*	*113*
Magnesium	*500000*	*504950*	*101*
Manganese	*500*	*499*	*100*
Molybdenum	*1000*	*996*	*100*
Nickel	*1000*	*893*	*89*
Potassium		*2.41*	
Selenium	*50.0*	*48.7*	*97*
Silver	*200*	*213*	*107*
Sodium		*28.3*	
Strontium		*-7.02*	
Thallium	*100*	*85.3*	*85*
Tin	*1000*	*987*	*99*
Titanium		*2.18*	
Vanadium	*500*	*488*	*98*
Zinc	*1000*	*912*	*91*

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: CV0627B-GS6" MS
Lab ID: 680-109515-15 MS
Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG No.: 680-109515-02
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 77.8

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	15700		14000		606	237	75-125	4	6010C
Arsenic	53.2		45		12.1	71	75-125	F1	6010C
Iron	40800		44000		606	-605	75-125	4	6010C
Lead	158		120		60.6	59	75-125	F1	6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID:
Lab ID: 680-109515-B-6-B MS
Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG No.: 680-109515-02
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 73.8

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	16900		14000		605	495	75-125	4	6010C
Arsenic	29.4		13		12.1	134	75-125	F1	6010C
Iron	34100		27000		605	1204	75-125	4	6010C
Lead	132		63		60.5	113	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: CV0627B-GS6" MSD

Lab ID: 680-109515-15 MSD

Lab Name: TestAmerica Savannah

Job No.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 77.8

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	16300		606	330	75-125	4	20	4	6010C
Arsenic	58.6		12.1	116	75-125	10	20		6010C
Iron	41600		606	-473	75-125	2	20	4	6010C
Lead	179		60.6	94	75-125	13	20		6010C

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-109515-B-6-C MSD

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Concentration Units: mg/Kg

% Solids: 73.8

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	16800		600	483	75-125	1	20	4	6010C
Arsenic	26.3		12.0	110	75-125	11	20		6010C
Iron	28900		600	359	75-125	16	20	4	6010C
Lead	128		60.0	108	75-125	2	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: CV0627B-GS6" PDS
Lab ID: 680-109515-15 PDS
Lab Name: TestAmerica Savannah
Job No.: 680-109515-2
SDG No.: 680-109515-02
Matrix: Solid
Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	14300		14000		121	NC	80-120		6010C
Arsenic	56.1		45		12.1	95	80-120		6010C
Iron	44700		44000		1210	NC	80-120		6010C
Lead	131		120		12.1	NC	80-120		6010C

SSR = Spiked Sample Result

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

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-109515-B-6-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	13900		14000		120	NC	80-120		6010C
Arsenic	24.6		13		12.0	96	80-120		6010C
Iron	27500		27000		1200	NC	80-120		6010C
Lead	73.4		63		12.0	83	80-120		6010C

SSR = Spiked Sample Result

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

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-369174/2-A

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

Sample Matrix: Solid LCS Source: MS_LCS1_WK_00017

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	481	453		94	80	120		6010C
Arsenic	9.62	9.79		102	80	120		6010C
Iron	481	460		96	80	120		6010C
Lead	48.1	46.3		96	80	120		6010C

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-369204/2-A

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

Sample Matrix: Solid LCS Source: MS_LCS1_WK_00017

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	467	447		96	80	120		6010C
Arsenic	9.35	9.21		99	80	120		6010C
Iron	467	456		98	80	120		6010C
Lead	46.7	46.0		98	80	120		6010C

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

FORM VIIA - IN

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

Lab ID: 680-109515-15

SDG No: 680-109515-02

Lab Name: TestAmerica Savannah Job No: 680-109515-2

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	14000		14400		1.0		6010C
Arsenic	45		43.8		1.7		6010C
Iron	44000		47100		6.0		6010C
Lead	120		128		5.1		6010C

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

FORM VIII-IN

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

Lab ID: 680-109515-B-6-A SD ^5

SDG No: 680-109515-02

Lab Name: TestAmerica Savannah Job No: 680-109515-2

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	14000		14100		1.4		6010C
Arsenic	13		13.5		NC		6010C
Iron	27000		27700		3.4		6010C
Lead	63		66.5		4.7		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: 680-109515-2

SDG Number: 680-109515-02

Matrix: Solid Instrument ID: ICPE

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

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		20	10
Arsenic		2	0.59
Iron		20	7
Lead		1	0.53

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-109515-2

SDG Number: 680-109515-02

Matrix: Solid Instrument ID: ICPE

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

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	100
Arsenic		20	5.9
Iron		200	70
Lead		10	5.3

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-109515-2

SDG No.: 680-109515-02

ICP-AES Instrument ID: ICPE Date: 11/14/2014

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	308.215									-0.001000			0.000016		
Antimony	206.834						0.000900				0.009000		0.000013		
Arsenic	188.980												-0.000010		
Barium	389.178												0.000035		0.000092
Beryllium	313.042														
Boron	249.678												-0.000141		
Cadmium	226.502												0.000089		
Calcium	370.602												-0.003690		
Chromium	267.716								-0.000200				0.000009		
Cobalt	228.615										0.000200		0.000006		
Copper	324.754												0.000006		
Iron	271.441									0.072100	0.001160				
Lead	220.353		-0.000009							-0.000200	0.000520		0.000043		
Magnesium	279.078		-0.000142												
Manganese	257.610												0.000014		0.000035
Molybdenum	202.032												-0.000007		
Nickel	231.604									-0.000800			0.000028		
Potassium	766.491														
Selenium	196.026												0.000020		
Silver	328.068												-0.000002		
Sodium	330.237												-0.005002		
Strontium	216.596							0.000029					0.000113		
Thallium	190.794									0.002530			-0.000145		
Tin	189.925														
Titanium	334.941														0.000006
Vanadium	292.401										-0.001640		0.000014		
Zinc	206.200										-0.001860		-0.000033		

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-109515-2

SDG No.: 680-109515-02

ICP-AES Instrument ID: ICPE Date: 11/14/2014

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	Zn	
Aluminum	308.215		0.003600										-0.019788		
Antimony	206.834		-0.012400						0.000200						
Arsenic	188.980		-0.000430												
Barium	389.178		0.000218										0.000095		
Beryllium	313.042		-0.000082										0.000030		
Boron	249.678						0.000900								
Cadmium	226.502										-0.000040				
Calcium	370.602	0.008900									0.155000		0.003040		
Chromium	267.716	0.000090									0.000040		-0.000200		
Cobalt	228.615		-0.002400						-0.000060		0.001850				
Copper	324.754		0.000550										-0.000200		
Iron	271.441		0.000760										0.004220		
Lead	220.353	0.000130	-0.000970								-0.000325				
Magnesium	279.078	-0.007600													
Manganese	257.610														
Molybdenum	202.032												-0.000160		
Nickel	231.604														
Potassium	766.491														
Selenium	196.026	0.000500													
Silver	328.068	0.000061								-0.000400			0.000028		
Sodium	330.237										-0.000825			-0.435620	
Strontium	216.596		-0.001000		-0.002275										
Thallium	190.794	-0.000466	-0.003133										0.001500		
Tin	189.925														
Titanium	334.941														
Vanadium	292.401		-0.007430								0.000275				
Zinc	206.200														

X-IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah Job No: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Date: 02/27/2012 11:40

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		720000	6010C
Arsenic		18000	6010C
Iron		900000	6010C
Lead		18000	6010C

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-369174/1-A	02/02/2015 09:32	369174	1.04		100
LCS 680-369174/2-A	02/02/2015 09:32	369174	1.04		100
680-109515-B-6-B MS	02/02/2015 09:32	369174	1.12		100
680-109515-B-6-C MSD	02/02/2015 09:32	369174	1.13		100
680-109515-16	02/02/2015 09:32	369174	1.01		100
680-109515-17	02/02/2015 09:32	369174	1.06		100
680-109515-18	02/02/2015 09:32	369174	1.12		100
680-109515-19	02/02/2015 09:32	369174	1.05		100
680-109515-20	02/02/2015 09:32	369174	1.02		100
680-109515-21	02/02/2015 09:32	369174	1.17		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-369204/1-A	02/02/2015 10:06	369204	1.13		100
LCS 680-369204/2-A	02/02/2015 10:06	369204	1.07		100
680-109515-15	02/02/2015 10:06	369204	1.06		100
680-109515-15 MS	02/02/2015 10:06	369204	1.06		100
680-109515-15 MSD	02/02/2015 10:06	369204	1.06		100
680-109515-22	02/02/2015 10:06	369204	1.02		100
680-109515-23	02/02/2015 10:06	369204	1.05		100
680-109515-24	02/02/2015 10:06	369204	1.13		100
680-109515-25	02/02/2015 10:06	369204	1.07		100
680-109515-26	02/02/2015 10:06	369204	1.04		100
680-109515-27	02/02/2015 10:06	369204	1.13		100
680-109515-28	02/02/2015 10:06	369204	1.03		100
680-109515-29	02/02/2015 10:06	369204	1.05		100
680-109515-30	02/02/2015 10:06	369204	1.09		100
680-109515-31	02/02/2015 10:06	369204	1.01		100
680-109515-32	02/02/2015 10:06	369204	1.17		100
680-109515-33	02/02/2015 10:06	369204	1.12		100
680-109515-34	02/02/2015 10:06	369204	1.10		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/03/2015 13:35 End Date: 02/04/2015 05:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			13:35																				
ZZZZZZ			13:39																				
ZZZZZZ			13:44																				
ICV 680-369546/4	1		13:48	X	X	X	X																
ICBIS 680-369546/5	1		13:53	X	X	X	X																
CRI 680-369546/6	1		13:58	X	X	X	X																
ICSA 680-369546/7	1		14:03	X	X	X	X																
ICSAB 680-369546/8	1		14:08	X	X	X	X																
ZZZZZZ			14:12																				
ZZZZZZ			14:17																				
ZZZZZZ			14:22																				
CCV 680-369546/12	1		14:26	X	X	X	X																
CCB 680-369546/13	1		14:31	X	X	X	X																
ZZZZZZ			14:35																				
ZZZZZZ			14:40																				
ZZZZZZ			14:44																				
ZZZZZZ			14:49																				
ZZZZZZ			14:54																				
ZZZZZZ			14:58																				
ZZZZZZ			15:03																				
ZZZZZZ			15:07																				
ZZZZZZ			15:12																				
ZZZZZZ			15:17																				
CCV 680-369546/24			15:21																				
CCB 680-369546/25			15:26																				
ZZZZZZ			15:30																				
ZZZZZZ			15:35																				
ZZZZZZ			15:39																				
ZZZZZZ			15:44																				
ZZZZZZ			15:48																				
ZZZZZZ			15:53																				
ZZZZZZ			15:58																				
ZZZZZZ			16:02																				
ZZZZZZ			16:07																				
ZZZZZZ			16:11																				
CCV 680-369546/36			16:16																				
CCB 680-369546/37			16:20																				
ZZZZZZ			16:25																				
ZZZZZZ			16:30																				
ZZZZZZ			16:34																				
ZZZZZZ			16:39																				
ZZZZZZ			16:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/03/2015 13:35 End Date: 02/04/2015 05:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			16:48																				
ZZZZZZ			16:59																				
ZZZZZZ			17:04																				
ZZZZZZ			17:09																				
ZZZZZZ			17:13																				
CCV 680-369546/48	1		17:18	X	X	X	X																
CCB 680-369546/49	1		17:22	X	X	X	X																
ZZZZZZ			17:27																				
ZZZZZZ			17:31																				
ZZZZZZ			17:36																				
ZZZZZZ			17:41																				
ZZZZZZ			17:45																				
MB 680-369174/1-A	1	T	17:50	X	X	X	X																
LCS 680-369174/2-A	1	T	17:54	X	X	X	X																
ZZZZZZ			17:59																				
680-109515-B-6-A SD ^5	5	T	18:03	X	X	X	X																
680-109515-B-6-A PDS	1	T	18:08	X	X	X	X																
CCV 680-369546/60	1		18:13	X	X	X	X																
CCB 680-369546/61	1		18:17	X	X	X	X																
680-109515-B-6-B MS	1	T	18:22	X	X	X	X																
680-109515-B-6-C MSD	1	T	18:26	X	X	X	X																
ZZZZZZ			18:31																				
ZZZZZZ			18:35																				
ZZZZZZ			18:40																				
ZZZZZZ			18:45																				
ZZZZZZ			18:49																				
ZZZZZZ			18:54																				
ZZZZZZ			18:58																				
ZZZZZZ			19:03																				
CCV 680-369546/72	1		19:07	X	X	X	X																
CCB 680-369546/73	1		19:12	X	X	X	X																
ZZZZZZ			19:17																				
ZZZZZZ			19:21																				
ZZZZZZ			19:26																				
ZZZZZZ			19:30																				
ZZZZZZ			19:35																				
680-109515-16	1	T	19:39	X	X	X	X																
ZZZZZZ			19:44																				
680-109515-18	1	T	19:49	X	X	X	X																
680-109515-19	1	T	19:53	X	X	X	X																
680-109515-20	1	T	19:58	X	X	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/03/2015 13:35 End Date: 02/04/2015 05:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
CCV 680-369546/84	1		20:02	X	X	X	X																
CCB 680-369546/85	1		20:07	X	X	X	X																
680-109515-21	1	T	20:11	X	X	X																	
CRI 680-369546/87	1		20:16	X	X	X	X																
ZZZZZZ			20:21																				
ZZZZZZ			20:25																				
ZZZZZZ			20:30																				
ZZZZZZ			20:34																				
ZZZZZZ			20:39																				
ZZZZZZ			20:43																				
ZZZZZZ			20:48																				
ZZZZZZ			20:53																				
CCV 680-369546/96	1		20:57	X	X	X	X																
CCB 680-369546/97	1		21:02	X	X	X	X																
ZZZZZZ			21:06																				
ZZZZZZ			21:11																				
ZZZZZZ			21:16																				
ZZZZZZ			21:20																				
ZZZZZZ			21:25																				
ZZZZZZ			21:29																				
ZZZZZZ			21:34																				
ZZZZZZ			21:38																				
ZZZZZZ			21:43																				
ZZZZZZ			21:48																				
CCV 680-369546/108			21:52																				
CCB 680-369546/109			21:57																				
ZZZZZZ			22:01																				
ZZZZZZ			22:06																				
ZZZZZZ			22:11																				
ZZZZZZ			22:15																				
ZZZZZZ			22:20																				
ZZZZZZ			22:24																				
ZZZZZZ			22:29																				
ZZZZZZ			22:33																				
ZZZZZZ			22:38																				
ZZZZZZ			22:43																				
CCV 680-369546/120			22:47																				
CCB 680-369546/121			22:52																				
ZZZZZZ			22:56																				
ZZZZZZ			23:01																				
ZZZZZZ			23:05																				
ZZZZZZ			23:10																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/03/2015 13:35 End Date: 02/04/2015 05:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			23:15																				
ZZZZZZ			23:19																				
ZZZZZZ			23:24																				
ZZZZZZ			23:28																				
ZZZZZZ			23:33																				
ZZZZZZ			23:38																				
CCV 680-369546/132			23:42																				
CCB 680-369546/133			23:47																				
ZZZZZZ			23:51																				
ZZZZZZ			23:56																				
ZZZZZZ			00:01																				
ZZZZZZ			00:05																				
ZZZZZZ			00:10																				
ZZZZZZ			00:14																				
ZZZZZZ			00:19																				
ZZZZZZ			00:23																				
ZZZZZZ			00:28																				
ZZZZZZ			00:33																				
CCV 680-369546/144			00:37																				
CCB 680-369546/145			00:42																				
ZZZZZZ			00:46																				
ZZZZZZ			00:51																				
ZZZZZZ			00:56																				
ZZZZZZ			01:00																				
ZZZZZZ			01:05																				
ZZZZZZ			01:09																				
ZZZZZZ			01:14																				
ZZZZZZ			01:19																				
ZZZZZZ			01:23																				
ZZZZZZ			01:28																				
CCV 680-369546/156			01:32																				
CCB 680-369546/157			01:37																				
ZZZZZZ			01:42																				
ZZZZZZ			01:46																				
ZZZZZZ			01:51																				
ZZZZZZ			01:55																				
ZZZZZZ			02:00																				
ZZZZZZ			02:05																				
ZZZZZZ			02:09																				
ZZZZZZ			02:14																				
ZZZZZZ			02:18																				
ZZZZZZ			02:23																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/03/2015 13:35 End Date: 02/04/2015 05:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
CCV 680-369546/168			02:28																				
CCB 680-369546/169			02:32																				
ZZZZZZ			02:37																				
ZZZZZZ			02:41																				
ZZZZZZ			02:46																				
ZZZZZZ			02:51																				
ZZZZZZ			02:55																				
ZZZZZZ			03:00																				
ZZZZZZ			03:04																				
ZZZZZZ			03:09																				
ZZZZZZ			03:14																				
ZZZZZZ			03:18																				
CCV 680-369546/180			03:23																				
CCB 680-369546/181			03:27																				
ZZZZZZ			03:32																				
ZZZZZZ			03:37																				
ZZZZZZ			03:41																				
ZZZZZZ			03:46																				
ZZZZZZ			03:50																				
ZZZZZZ			03:55																				
ZZZZZZ			04:00																				
ZZZZZZ			04:04																				
ZZZZZZ			04:09																				
ZZZZZZ			04:13																				
CCV 680-369546/192			04:18																				
CCB 680-369546/193			04:23																				
ZZZZZZ			04:27																				
ZZZZZZ			04:32																				
ZZZZZZ			04:37																				
ZZZZZZ			04:41																				
ZZZZZZ			04:46																				
ZZZZZZ			04:50																				
ZZZZZZ			04:55																				
ZZZZZZ			05:00																				
ZZZZZZ			05:04																				
ZZZZZZ			05:09																				
CCV 680-369546/204			05:13																				
CCB 680-369546/205			05:18																				
ZZZZZZ			05:23																				
ZZZZZZ			05:27																				
ZZZZZZ			05:32																				
ZZZZZZ			05:37																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/03/2015 13:35 End Date: 02/04/2015 05:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			05:41																				
ZZZZZZ			05:46																				
CCV 680-369546/212			05:50																				
CCB 680-369546/213			05:55																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/04/2015 14:51 End Date: 02/05/2015 11:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			14:51																				
ZZZZZZ			14:56																				
ZZZZZZ			15:00																				
ICV 680-369692/4	1		15:05	X	X	X	X																
ICBIS 680-369692/5	1		15:09	X	X	X	X																
CRI 680-369692/6	1		15:14	X	X	X	X																
ICSA 680-369692/7	1		15:21	X	X	X	X																
ICSAB 680-369692/8	1		15:25	X	X	X	X																
ZZZZZZ			15:30																				
ZZZZZZ			15:35																				
ZZZZZZ			15:39																				
CCV 680-369692/12	1		15:44	X	X	X	X																
CCB 680-369692/13	1		15:48	X	X	X	X																
ZZZZZZ			15:53																				
ZZZZZZ			15:57																				
ZZZZZZ			16:02																				
680-109515-17	10	T	16:07	X	X	X	X																
680-109515-20	10	T	16:11				X																
680-109515-21	10	T	16:16				X																
MB 680-369204/1-A	1	T	16:20	X	X	X	X																
LCS 680-369204/2-A	1	T	16:25	X	X	X	X																
680-109515-15	1	T	16:29	X	X	X	X																
680-109515-15 SD	5	T	16:34	X	X	X	X																
CCV 680-369692/24	1		16:39	X	X	X	X																
CCB 680-369692/25	1		16:43	X	X	X	X																
680-109515-15 PDS	1	T	16:48	X	X	X	X																
680-109515-15 MS	1	T	16:52	X	X	X	X																
680-109515-15 MSD	1	T	16:57	X	X	X	X																
680-109515-22	1	T	17:01	X	X	X	X																
680-109515-23	1	T	17:06	X	X	X	X																
680-109515-24	1	T	17:11	X	X	X	X																
680-109515-25	1	T	17:22	X	X	X	X																
680-109515-26	1	T	17:26	X	X	X	X																
680-109515-27	1	T	17:31	X	X	X	X																
680-109515-28	1	T	17:36	X	X	X	X																
CCV 680-369692/36	1		17:40	X	X	X	X																
CCB 680-369692/37	1		17:45	X	X	X	X																
680-109515-29	1	T	17:49	X	X	X	X																
680-109515-30	1	T	17:54	X	X	X	X																
680-109515-31	1	T	17:58	X	X	X	X																
680-109515-32	1	T	18:03	X	X	X																	
680-109515-33	1	T	18:08	X	X	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/04/2015 14:51 End Date: 02/05/2015 11:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
680-109515-34	1	T	18:12	X	X	X																	
ZZZZZZ			18:17																				
ZZZZZZ			18:21																				
ZZZZZZ			18:26																				
ZZZZZZ			18:30																				
CCV 680-369692/48	1		18:35	X	X	X	X																
CCB 680-369692/49	1		18:40	X	X	X	X																
ZZZZZZ			18:44																				
ZZZZZZ			18:49																				
ZZZZZZ			18:53																				
ZZZZZZ			18:58																				
ZZZZZZ			19:02																				
ZZZZZZ			19:07																				
ZZZZZZ			19:12																				
ZZZZZZ			19:16																				
ZZZZZZ			19:21																				
ZZZZZZ			19:25																				
CCV 680-369692/60			19:30																				
CCB 680-369692/61			19:34																				
ZZZZZZ			19:39																				
ZZZZZZ			19:44																				
ZZZZZZ			19:48																				
ZZZZZZ			19:53																				
ZZZZZZ			19:57																				
ZZZZZZ			20:02																				
ZZZZZZ			20:06																				
ZZZZZZ			20:11																				
ZZZZZZ			20:16																				
ZZZZZZ			20:20																				
CCV 680-369692/72			20:25																				
CCB 680-369692/73			20:29																				
ZZZZZZ			20:34																				
ZZZZZZ			20:38																				
ZZZZZZ			20:43																				
ZZZZZZ			20:48																				
ZZZZZZ			20:52																				
ZZZZZZ			20:57																				
ZZZZZZ			21:01																				
ZZZZZZ			21:06																				
ZZZZZZ			21:10																				
ZZZZZZ			21:15																				
CCV 680-369692/84			21:20																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/04/2015 14:51 End Date: 02/05/2015 11:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
CCB 680-369692/85			21:24																				
ZZZZZZ			21:29																				
ZZZZZZ			21:33																				
ZZZZZZ			21:38																				
ZZZZZZ			21:42																				
ZZZZZZ			21:47																				
ZZZZZZ			21:52																				
ZZZZZZ			21:56																				
ZZZZZZ			22:01																				
ZZZZZZ			22:05																				
ZZZZZZ			22:10																				
CCV 680-369692/96			22:15																				
CCB 680-369692/97			22:19																				
ZZZZZZ			22:24																				
ZZZZZZ			22:28																				
ZZZZZZ			22:33																				
ZZZZZZ			22:37																				
ZZZZZZ			22:42																				
ZZZZZZ			22:47																				
ZZZZZZ			22:51																				
ZZZZZZ			22:56																				
ZZZZZZ			23:00																				
ZZZZZZ			23:05																				
CCV 680-369692/108			23:09																				
CCB 680-369692/109			23:14																				
ZZZZZZ			23:19																				
ZZZZZZ			23:23																				
ZZZZZZ			23:28																				
ZZZZZZ			23:32																				
ZZZZZZ			23:37																				
ZZZZZZ			23:41																				
ZZZZZZ			23:46																				
ZZZZZZ			23:51																				
ZZZZZZ			23:55																				
ZZZZZZ			00:00																				
CCV 680-369692/120			00:04																				
CCB 680-369692/121			00:09																				
ZZZZZZ			00:14																				
ZZZZZZ			00:18																				
ZZZZZZ			00:23																				
ZZZZZZ			00:27																				
ZZZZZZ			00:32																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/04/2015 14:51 End Date: 02/05/2015 11:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			00:36																				
ZZZZZZ			00:41																				
ZZZZZZ			00:46																				
ZZZZZZ			00:50																				
ZZZZZZ			00:55																				
CCV 680-369692/132			00:59																				
CCB 680-369692/133			01:04																				
ZZZZZZ			01:09																				
ZZZZZZ			01:13																				
ZZZZZZ			01:18																				
ZZZZZZ			01:22																				
ZZZZZZ			01:27																				
ZZZZZZ			01:32																				
ZZZZZZ			01:36																				
ZZZZZZ			01:41																				
ZZZZZZ			01:45																				
ZZZZZZ			01:50																				
CCV 680-369692/144			01:54																				
CCB 680-369692/145			01:59																				
ZZZZZZ			02:04																				
ZZZZZZ			02:08																				
ZZZZZZ			02:13																				
ZZZZZZ			02:17																				
ZZZZZZ			02:22																				
ZZZZZZ			02:27																				
ZZZZZZ			02:31																				
ZZZZZZ			02:36																				
ZZZZZZ			02:40																				
ZZZZZZ			02:45																				
CCV 680-369692/156			02:50																				
CCB 680-369692/157			02:54																				
ZZZZZZ			02:59																				
ZZZZZZ			03:03																				
ZZZZZZ			03:08																				
ZZZZZZ			03:13																				
ZZZZZZ			03:17																				
ZZZZZZ			03:22																				
ZZZZZZ			03:26																				
ZZZZZZ			03:31																				
ZZZZZZ			03:36																				
ZZZZZZ			03:40																				
CCV 680-369692/168			03:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/04/2015 14:51 End Date: 02/05/2015 11:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
CCB 680-369692/169			03:49																				
ZZZZZZ			03:54																				
ZZZZZZ			03:59																				
ZZZZZZ			04:03																				
ZZZZZZ			04:08																				
ZZZZZZ			04:12																				
ZZZZZZ			04:17																				
ZZZZZZ			04:22																				
ZZZZZZ			04:26																				
ZZZZZZ			04:31																				
ZZZZZZ			04:35																				
CCV 680-369692/180			04:40																				
CCB 680-369692/181			04:45																				
ZZZZZZ			04:49																				
ZZZZZZ			04:54																				
ZZZZZZ			04:58																				
ZZZZZZ			05:03																				
ZZZZZZ			05:08																				
ZZZZZZ			05:12																				
ZZZZZZ			05:17																				
ZZZZZZ			05:21																				
ZZZZZZ			05:26																				
ZZZZZZ			05:31																				
CCV 680-369692/192			05:35																				
CCB 680-369692/193			05:40																				
ZZZZZZ			05:45																				
ZZZZZZ			05:49																				
ZZZZZZ			05:54																				
ZZZZZZ			05:58																				
ZZZZZZ			06:03																				
ZZZZZZ			06:08																				
ZZZZZZ			06:12																				
ZZZZZZ			06:17																				
ZZZZZZ			06:21																				
ZZZZZZ			06:26																				
CCV 680-369692/204			06:31																				
CCB 680-369692/205			06:35																				
ZZZZZZ			06:40																				
ZZZZZZ			06:45																				
ZZZZZZ			06:49																				
ZZZZZZ			06:54																				
ZZZZZZ			06:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/04/2015 14:51 End Date: 02/05/2015 11:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
ZZZZZZ			07:03																				
ZZZZZZ			07:08																				
ZZZZZZ			07:12																				
ZZZZZZ			07:17																				
ZZZZZZ			07:21																				
CCV 680-369692/216			07:26																				
CCB 680-369692/217			07:31																				
ZZZZZZ			07:35																				
ZZZZZZ			07:40																				
ZZZZZZ			07:45																				
ZZZZZZ			07:49																				
ZZZZZZ			07:54																				
ZZZZZZ			07:58																				
ZZZZZZ			08:03																				
ZZZZZZ			08:08																				
ZZZZZZ			08:12																				
ZZZZZZ			08:17																				
CCV 680-369692/228			08:22																				
CCB 680-369692/229			08:26																				
ZZZZZZ			08:31																				
ZZZZZZ			08:35																				
ZZZZZZ			08:40																				
ZZZZZZ			08:45																				
ZZZZZZ			08:49																				
ZZZZZZ			08:54																				
ZZZZZZ			08:59																				
ZZZZZZ			09:03																				
ZZZZZZ			09:08																				
ZZZZZZ			09:13																				
CCV 680-369692/240			09:17																				
CCB 680-369692/241			09:22																				
CCV 680-369692/242	1		10:13	X	X	X	X																
CCB 680-369692/243	1		10:17	X	X	X	X																
680-109515-32	10	T	10:22				X																
680-109515-34	10	T	10:26				X																
ZZZZZZ			10:31																				
ZZZZZZ			10:35																				
ZZZZZZ			10:40																				
ZZZZZZ			10:45																				
ZZZZZZ			10:49																				
ZZZZZZ			10:54																				
CRI 680-369692/252	1		10:58	X	X	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Instrument ID: ICPE Method: 6010C

Start Date: 02/04/2015 14:51 End Date: 02/05/2015 11:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	As	Fe	Pb																
CCV 680-369692/253	1		11:03	X	X	X	X																
CCB 680-369692/254	1		11:08	X	X	X	X																

Prep Types

T = Total/NA

E02032015.wvq. All Data Report 2/4/2015, 2:45:23 PM

Blank (Blk) **2/3/2015, 1:35:17 PM** **Rack S, Tube 1**

Label	Replicates Concentration		
Ag 328.068	0.1457	-0.0682	-0.0775
Al 308.215	-0.9364	0.1741	0.7623
As 188.980	-0.3288	-1.5260	1.8548
B 249.678	0.1886	-0.1718	-0.0168
Ba 389.178	-0.2319	0.2239	0.0080
Be 313.042	-0.0043	0.0032	0.0011
Ca 370.602	-0.3297	1.643	-1.313
Cd 226.502	0.0105	0.0194	-0.0299
Co 228.615	-0.1062	0.2237	-0.1175
Cr 267.716	0.1412	-0.0427	-0.0985
Cu 324.754	-0.1015	0.2152	-0.1137
Fe 271.441	-2.3440	1.6901	0.6539
K 766.491	0.0995	-0.3022	0.2027
Mg 279.078	-1.5908	2.4662	-0.8754
Mn 257.610	-0.0095	0.0175	-0.0079
Mo 202.032	-0.0031	-0.1377	0.1407
Na 330.237	26.7571	-65.8939	39.1369
Ni 231.604	-0.6327	0.2560	0.3766
Pb 220.353	-0.2189	-0.1598	0.3787
Sb 206.834	-1.4394	0.5823	0.8571
Se 196.026	0.0447	-0.0959	0.0512
Sn 189.925	-0.4860	-0.2534	0.7394
Sr 216.596	-0.1500	-0.1398	0.2898
Ti 334.941	-0.0078	0.0070	0.0008
Tl 190.794	0.2267	0.0383	-0.2650
V 292.401	-0.0418	0.0374	0.0044
Zn 206.200	-0.2243	-0.8383	1.0626

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	11.750	1958.8	-0.5999
Al 308.215	0.0000	ppb	6.783	2.0	344.740
As 188.980	0.0000	ppb	1.235	22.0	-5.6124
B 249.678	0.0000	ppb	3.473	11.1	31.4331
Ba 389.178	0.0000	ppb	5.736	14.9	-38.3997
Be 313.042	0.0000	ppb	8.282	2.7	-310.155
Ca 370.602	0.0000	ppb	4.477	26.2	17.07
Cd 226.502	0.0000	ppb	1.243	5.7	21.7815
Co 228.615	0.0000	ppb	2.343	55.3	-4.2348
Cr 267.716	0.0000	ppb	7.590	53.7	14.1233
Cu 324.754	0.0000	ppb	14.176	8.8	161.586
Fe 271.441	0.0000	ppb	3.709	33.2	11.1879
K 766.491	0.0000	ppb	12.811	4.1	309.733
Mg 279.078	0.0000	ppb	6.431	28.2	22.7886
Mn 257.610	0.0000	ppb	3.804	6.7	56.6769
Mo 202.032	0.0000	ppb	1.008	16.1	6.2412
Na 330.237	0.0000	ppb	3.220	10.4	30.9532
Ni 231.604	0.0000	ppb	1.854	41.4	-4.4748
Pb 220.353	0.0000	ppb	0.544	4.0	13.5178
Sb 206.834	0.0000	ppb	1.855	530.5	-0.3496
Se 196.026	0.0000	ppb	0.041	0.8	5.3598
Sn 189.925	0.0000	ppb	0.508	9.6	-5.2856
Sr 216.596	0.0000	ppb	3.196	250.7	1.2746
Ti 334.941	0.0000	ppb	2.488	4.7	-53.0193

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Tl 190.794	0.0000	ppb	0.294	3.6	-8.2228
V 292.401	0.0000	ppb	1.246	16.7	-7.4627
Zn 206.200	0.0000	ppb	1.111	162.3	0.6848

HIGH STD (Std) **2/3/2015, 1:39:50 PM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	1002.03	999.280	998.694
Al 308.215	10044.6	9984.73	9970.66
As 188.980	1003.90	994.984	1001.12
B 249.678	1004.16	997.438	998.407
Ba 389.178	10037.7	9986.22	9976.09
Be 313.042	1007.17	996.121	996.705
Ca 370.602	10061	9981	9958
Cd 226.502	1005.42	998.181	996.399
Co 228.615	1005.83	996.492	997.678
Cr 267.716	10043.2	9970.02	9986.74
Cu 324.754	9996.97	9934.14	10068.9
Fe 271.441	10039.1	9969.67	9991.27
K 766.491	20102.9	19924.2	19972.9
Mg 279.078	10042.1	9990.97	9966.96
Mn 257.610	10075.1	9993.91	9930.96
Mo 202.032	1005.25	997.653	997.099
Na 330.237	15027.4	15124.8	14847.9
Ni 231.604	5023.89	4993.91	4982.21
Pb 220.353	1004.30	995.099	1000.60
Sb 206.834	2014.69	1996.53	1988.78
Se 196.026	10050.6	9980.48	9968.89
Sn 189.925	10121.3	9933.29	9945.38
Sr 216.596	5023.12	4988.75	4988.13
Ti 334.941	1002.86	998.476	998.660
Tl 190.794	10056.9	9985.61	9957.44
V 292.401	10039.7	9976.34	9983.92
Zn 206.200	5021.09	5003.48	4975.42

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	165.571	0.2	93061.6
Al 308.215	10000.0	ppb	308.786	0.4	78978.6
As 188.980	1000.00	ppb	3.285	0.5	714.688
B 249.678	1000.00	ppb	69.756	0.4	19241.1
Ba 389.178	10000.0	ppb	830.887	0.3	251500
Be 313.042	1000.00	ppb	13169.368	0.6	2116873
Ca 370.602	10000	ppb	160.240	0.5	29757
Cd 226.502	1000.00	ppb	226.151	0.5	47354.0
Co 228.615	1000.00	ppb	61.452	0.5	12085.1
Cr 267.716	10000.0	ppb	2321.103	0.4	604954
Cu 324.754	10000.0	ppb	5126.073	0.7	760363
Fe 271.441	10000.0	ppb	62.861	0.4	17714.5
K 766.491	20000.0	ppb	4434.948	0.5	960844
Mg 279.078	10000.0	ppb	113.904	0.4	29719.6
Mn 257.610	10000.0	ppb	18153.463	0.7	2511487
Mo 202.032	1000.00	ppb	32.960	0.5	7245.21
Na 330.237	15000.0	ppb	7.878	0.9	872.320
Ni 231.604	5000.00	ppb	72.303	0.4	16811.9

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Pb 220.353	1000.00	ppb	7.642	0.5	1663.98
Sb 206.834	2000.00	ppb	19.669	0.7	2957.49
Se 196.026	10000.0	ppb	21.831	0.4	4941.97
Sn 189.925	10000.0	ppb	82.229	1.1	7807.10
Sr 216.596	5000.00	ppb	254.899	0.4	63641.7
Ti 334.941	1000.00	ppb	834.681	0.2	336171
Tl 190.794	10000.0	ppb	60.828	0.5	11851.5
V 292.401	10000.0	ppb	1083.955	0.3	313040
Zn 206.200	5000.00	ppb	26.384	0.5	5727.80

Ag 328.068 Calibration (ppb) **2/3/2015, 1:39:50 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.5999	0.0000	0.0000	-	-
HIGH STD		93061.6	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 93.1 x + -0.6

Al 308.215 Calibration (ppb) **2/3/2015, 1:39:50 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		344.740	0.0000	0.0000	-	-
HIGH STD		78978.6	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 7.9 x + 344.7

As 188.980 Calibration (ppb) **2/3/2015, 1:39:50 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.6124	0.0000	0.0000	-	-
HIGH STD		714.688	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 0.7 x + -5.6

B 249.678 Calibration (ppb) **2/3/2015, 1:39:50 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		31.4331	0.0000	0.0000	-	-
HIGH STD		19241.1	1000.00	1000.00	0.0002	0.0

Curve Type: Linear Equation: y = 19.2 x + 31.4

Ba 389.178 Calibration (ppb) **2/3/2015, 1:39:50 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-38.3997	0.0000	0.0000	-	-
HIGH STD		251500	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 25.2 x + -38.4

Be 313.042 Calibration (ppb) **2/3/2015, 1:39:50 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-310.155	0.0000	0.0000	-	-
HIGH STD		2116873	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 2117.2 x + -310.2

Ca 370.602 Calibration (ppb) **2/3/2015, 1:39:50 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		17.07	0.0000	0.0000	-	-
HIGH STD		29757	10000	10000	0.0000	0.0

Curve Type: Linear Equation: y = 3.0 x + 17.1

Cd 226.502 Calibration (ppb) **2/3/2015, 1:39:50 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		21.7815	0.0000	0.0000	-	-
HIGH STD		47354.0	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 47.3 x + 21.8

Co 228.615 Calibration (ppb) **2/3/2015, 1:39:50 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.2348	0.0000	0.0000	-	-
HIGH STD		12085.1	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 12.1 x + -4.2

Cr 267.716 Calibration (ppb) **2/3/2015, 1:39:50 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		14.1233	0.0000	0.0000	-	-
HIGH STD		604954	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 60.5 x + 14.1

Cu 324.754 Calibration (ppb) **2/3/2015, 1:39:50 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		161.586	0.0000	0.0000	-	-
HIGH STD		760363	10000.0	10000.0	0.0020	0.0

Curve Type: Linear Equation: y = 76.0 x + 161.6

Fe 271.441 Calibration (ppb) **2/3/2015, 1:39:50 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.1879	0.0000	0.0000	-	-
HIGH STD		17714.5	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 1.8 x + 11.2

K 766.491 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		309.733	0.0000	0.0000	-	-
HIGH STD		960844	20000.0	20000.0	0.0000	0.0

Curve Type: Linear Equation: y = 48.0 x + 309.7

Mg 279.078 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		22.7886	0.0000	0.0000	-	-
HIGH STD		29719.6	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 3.0 x + 22.8

Mn 257.610 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		56.6769	0.0000	0.0000	-	-
HIGH STD		2511487	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 251.1 x + 56.7

Mo 202.032 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.2412	0.0000	0.0000	-	-
HIGH STD		7245.21	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 7.2 x + 6.2

Na 330.237 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		30.9532	0.0000	0.0000	-	-
HIGH STD		872.320	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.1 x + 31.0

Ni 231.604 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.4748	0.0000	0.0000	-	-
HIGH STD		16811.9	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 3.4 x + -4.5

Pb 220.353 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		13.5178	0.0000	0.0000	-	-
HIGH STD		1663.98	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1.7 x + 13.5

Sb 206.834 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.3496	0.0000	0.0000	-	-
HIGH STD		2957.49	2000.00	2000.00	0.0001	0.0

Curve Type: Linear Equation: y = 1.5 x + -0.3

Se 196.026 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.3598	0.0000	0.0000	-	-
HIGH STD		4941.97	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.5 x + 5.4

Sn 189.925 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.2856	0.0000	0.0000	-	-
HIGH STD		7807.10	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.8 x + -5.3

Sr 216.596 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.2746	0.0000	0.0000	-	-
HIGH STD		63641.7	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 12.7 x + 1.3

Ti 334.941 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-53.0193	0.0000	0.0000	-	-
HIGH STD		336171	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 336.2 x + -53.0

Tl 190.794 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-8.2228	0.0000	0.0000	-	-
HIGH STD		11851.5	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 1.2 x + -8.2

V 292.401 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-7.4627	0.0000	0.0000	-	-
HIGH STD		313040	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 31.3 x + -7.5

Zn 206.200 Calibration (ppb) 2/3/2015, 1:39:50 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.6848	0.0000	0.0000	-	-
HIGH STD		5727.80	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1.1 x + 0.7

Lab Control Sample (LCS) 2/3/2015, 1:44:23 PM Rack S, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	994.271	981.178	1000.89
Al 308.215	9993.55	10007.0	10021.0
As 188.980	1004.56	1013.22	998.262
B 249.678	999.585	999.994	1002.58
Ba 389.178	9942.26	9960.37	9969.17
Be 313.042	995.552	994.885	999.994
Ca 370.602	10068	10100	10088
Cd 226.502	999.077	998.698	1000.22
Co 228.615	1000.22	1000.27	1002.86
Cr 267.716	9941.90	9971.91	9967.29
Cu 324.754	9948.09	9962.32	9999.27
Fe 271.441	9977.64	9990.39	9988.00
K 766.491	19883.5	19923.0	19897.3
Mg 279.078	9963.62	9948.37	9975.39
Mn 257.610	9938.44	9974.58	9971.16
Mo 202.032	1000.55	1000.36	1003.53
Na 330.237	14969.6	15112.2	15175.7
Ni 231.604	4990.85	4990.06	5005.10
Pb 220.353	997.437	995.636	1004.02
Sb 206.834	2010.55	2016.50	2011.52
Se 196.026	9977.46	9967.67	10001.1
Sn 189.925	10103.2	10071.0	10041.8
Sr 216.596	4995.82	4979.71	4999.46
Ti 334.941	992.533	993.235	996.720
Tl 190.794	9987.19	10009.6	9997.24
V 292.401	9961.16	9972.65	9977.44
Zn 206.200	5005.84	4986.05	4991.33

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	992.112	ppb	10.0296	1.0	92222.4	99.21119
Al 308.215	10007.2	ppb	13.7349	0.1	80607.7	100.07187

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1005.35	ppb	7.5117	0.7	718.160	100.53497
B 249.678	1000.72	ppb	1.6245	0.2	19262.6	20.01439*
Ba 389.178	9957.27	ppb	13.7238	0.1	250487	99.57268
Be 313.042	996.810	ppb	2.7772	0.3	2110571	99.68102
Ca 370.602	10085	ppb	16.33	0.2	30713	100.85079
Cd 226.502	999.331	ppb	0.7904	0.1	47371.9	99.93306
Co 228.615	1001.12	ppb	1.5104	0.2	12109.4	100.11177
Cr 267.716	9960.37	ppb	16.1584	0.2	602486	99.60368
Cu 324.754	9969.89	ppb	26.4192	0.3	757969	99.69894
Fe 271.441	9985.34	ppb	6.7760	0.1	17912.5	99.85342
K 766.491	19901.3	ppb	20.0290	0.1	956102	99.50634
Mg 279.078	9962.46	ppb	13.5473	0.1	29378.8	99.62462
Mn 257.610	9961.39	ppb	19.9540	0.2	2501914	99.61391
Mo 202.032	1001.48	ppb	1.7774	0.2	7243.87	100.14795
Na 330.237	15085.8	ppb	105.540	0.7	752.138	100.57204
Ni 231.604	4995.34	ppb	8.4638	0.2	16794.4	99.90678
Pb 220.353	999.030	ppb	4.4112	0.4	1671.17	99.90297
Sb 206.834	2012.86	ppb	3.1940	0.2	3095.26	100.64295
Se 196.026	9982.07	ppb	17.1705	0.2	4935.68	99.82066
Sn 189.925	10072.0	ppb	30.7406	0.3	7863.36	100.72006
Sr 216.596	4991.67	ppb	10.5137	0.2	63396.2	99.83330
Ti 334.941	994.163	ppb	2.2424	0.2	334229	99.41625
Tl 190.794	9998.01	ppb	11.2312	0.1	11869.9	99.98013
V 292.401	9970.42	ppb	8.3632	0.1	311374	99.70417
Zn 206.200	4994.41	ppb	10.2486	0.2	5699.79	99.88811

Initial Calib Verif (ICV) **2/3/2015, 1:48:57 PM** **Rack S, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	960.437	947.371	957.855
Al 308.215	974.822	961.424	980.013
As 188.980	1028.76	1009.42	1035.97
B 249.678	977.655	973.213	987.671
Ba 389.178	1011.59	998.293	1012.25
Be 313.042	1001.34	988.584	1002.55
Ca 370.602	1001	985.3	1008
Cd 226.502	997.211	988.946	1004.21
Co 228.615	1031.35	1024.82	1037.05
Cr 267.716	1017.58	1006.37	1021.54
Cu 324.754	997.624	987.297	998.301
Fe 271.441	977.288	968.380	978.888
K 766.491	10289.5	10156.9	10278.2
Mg 279.078	990.302	981.143	998.364
Mn 257.610	1029.13	1020.02	1034.81
Mo 202.032	1017.55x	1012.04x	1029.86x
Na 330.237	9592.49	9698.58	9772.02
Ni 231.604	993.170	989.043	1006.58
Pb 220.353	1003.79	990.268	1014.04
Sb 206.834	1010.75	1006.84	1019.53
Se 196.026	969.451	961.367	973.229
Sn 189.925	4991.44	4934.16	5020.09
Sr 216.596	5105.59x	5062.71x	5140.41x
Ti 334.941	955.256	944.486	957.327

Label	Replicates Concentration		
Tl 190.794	1002.56	985.576	999.564
V 292.401	1030.04	1019.07	1031.13
Zn 206.200	1001.89	995.456	1020.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	955.221b	ppb	6.9200	0.7	88712.4	95.52211
Al 308.215	972.086b	ppb	9.5920	1.0	8168.38	97.20861
As 188.980	1024.72b	ppb	13.7290	1.3	732.168	102.47166
B 249.678	979.513b	ppb	7.4059	0.8	18861.8	97.95126
Ba 389.178	1007.38b	ppb	7.8740	0.8	25312.3	100.73769
Be 313.042	997.491b	ppb	7.7371	0.8	2111445	99.74906
Ca 370.602	998.4b	ppb	11.84	1.2	3450	99.83685
Cd 226.502	996.789b	ppb	7.6406	0.8	47205.5	99.67888
Co 228.615	1031.07b	ppb	6.1222	0.6	12451.3	103.10716
Cr 267.716	1015.16b	ppb	7.8691	0.8	61409.7	101.51640
Cu 324.754	994.408b	ppb	6.1668	0.6	75784.2	99.44075
Fe 271.441	974.852b	ppb	5.6618	0.6	1879.32	97.48521
K 766.491	10241.5b	ppb	73.5291	0.7	492177	102.41531
Mg 279.078	989.936b	ppb	8.6159	0.9	2938.96	98.99362
Mn 257.610	1027.99b	ppb	7.4633	0.7	258241	102.79858
Mo 202.032	1019.81xb	ppb	9.1227	0.9	7387.42	101.98146
Na 330.237	9687.70b	ppb	90.2603	0.9	549.300	96.87696
Ni 231.604	996.265b	ppb	9.1696	0.9	3343.56	99.62648
Pb 220.353	1002.70b	ppb	11.9230	1.2	1667.10	100.26982
Sb 206.834	1012.37b	ppb	6.5003	0.6	1494.50	101.23723
Se 196.026	968.016b	ppb	6.0595	0.6	483.496	96.80157
Sn 189.925	4981.90b	ppb	43.7542	0.9	3886.77	99.63794
Sr 216.596	5102.90xb	ppb	38.9182	0.8	64911.4	102.05801
Ti 334.941	952.356b	ppb	6.8938	0.7	320153	95.23563
Tl 190.794	995.899b	ppb	9.0640	0.9	1174.38	99.58989
V 292.401	1026.75b	ppb	6.6720	0.6	31852.5	102.67456
Zn 206.200	1006.07b	ppb	13.2062	1.3	1150.85	100.60662

Initial Calib Blank (ICB) **2/3/2015, 1:53:30 PM** **Rack S, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	-0.1541u	0.1483	-0.0420u
Al 308.215	0.9617	-0.1934u	1.9114
As 188.980	2.7614	1.2190	1.6119
B 249.678	3.4963	3.1719	2.9227
Ba 389.178	-1.1630u	-0.6083u	-0.3034u
Be 313.042	0.0398	0.0393	0.0451
Ca 370.602	-3.227u	1.529	-5.824u
Cd 226.502	0.1974	0.0424	0.1356
Co 228.615	0.3570	-0.4541u	0.3264
Cr 267.716	0.1337	0.1119	0.2136
Cu 324.754	0.2887	0.1588	0.1298
Fe 271.441	-1.6066u	1.5350	-1.9115u
K 766.491	1.5688	1.4823	1.5220
Mg 279.078	2.4122	0.5383	-0.1285u
Mn 257.610	0.1533	0.1175	0.1664
Mo 202.032	0.8877	0.2271	0.6267
Na 330.237	-58.7713u	-113.118u	-83.8623u

Label	Replicates Concentration		
Ni 231.604	-0.5391u	-1.0948u	-0.8116u
Pb 220.353	-3.3266u	-1.3966u	-1.5955u
Sb 206.834	2.6106	-0.9020u	2.5738
Se 196.026	7.4350	-4.9814u	4.7603
Sn 189.925	2.8955	0.6386	1.0744
Sr 216.596	0.0791	0.2901	0.3656
Ti 334.941	0.2038	0.1865	0.1049
Tl 190.794	0.0312	1.5170	1.2822
V 292.401	0.0265	-0.0418u	0.0317
Zn 206.200	-0.4995u	1.3500	-0.2787u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0159	ppb	0.1528	958.9	-2.0983	-0.01594
Al 308.215	0.8932	ppb	1.0541	118.0	351.773	0.89321
As 188.980	1.8641	ppb	0.8015	43.0	-4.2699	1.86411
B 249.678	3.1970	ppb	0.2876	9.0	92.8617	3.19699
Ba 389.178	-0.6915	ppb	0.4358	63.0	-55.7858	-0.69153
Be 313.042	0.0414	ppb	0.0032	7.7	-222.603	0.04140
Ca 370.602	-2.508	ppb	3.729	148.7	9.673	-2.50750
Cd 226.502	0.1251	ppb	0.0780	62.4	27.7179	0.12512
Co 228.615	0.0765	ppb	0.4597	601.3	-3.3248	0.07645
Cr 267.716	0.1531	ppb	0.0536	35.0	23.3813	0.15305
Cu 324.754	0.1924	ppb	0.0846	44.0	176.241	0.19241
Fe 271.441	-0.6610	ppb	1.9079	288.6	10.0137	-0.66102
K 766.491	1.5244	ppb	0.0433	2.8	382.943	1.52437
Mg 279.078	0.9407	ppb	1.3173	140.0	25.5791	0.94066
Mn 257.610	0.1457	ppb	0.0253	17.4	93.3020	0.14575
Mo 202.032	0.5805	ppb	0.3327	57.3	10.4434	0.58051
Na 330.237	-85.2504	ppb	27.1997	31.9	26.1667	-85.25038
Ni 231.604	-0.8152	ppb	0.2779	34.1	-7.2160	-0.81516
Pb 220.353	-2.1062	ppb	1.0615	50.4	10.0408	-2.10623
Sb 206.834	1.4275	ppb	2.0175	141.3	1.7529	1.42749
Se 196.026	2.4046	ppb	6.5348	271.8	6.5469	2.40461
Sn 189.925	1.5362	ppb	1.1972	77.9	-4.0855	1.53616
Sr 216.596	0.2449	ppb	0.1485	60.6	4.4222	0.24493
Ti 334.941	0.1651	ppb	0.0528	32.0	2.4910	0.16506
Tl 190.794	0.9435	ppb	0.7987	84.7	-7.1067	0.94349
V 292.401	0.0055	ppb	0.0410	746.4	-7.4380	0.00549
Zn 206.200	0.1906	ppb	1.0101	530.0	0.9027	0.19059

CRI (CRI) **2/3/2015, 1:58:04 PM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.8232	10.0712	9.9801
Al 308.215	194.550	194.899	196.909
As 188.980	26.3010	21.2526	23.3054
B 249.678	100.503	100.721	101.228
Ba 389.178	9.8162	9.9727	9.5298
Be 313.042	4.1517	4.1474	4.1679
Ca 370.602	513.6	516.5	520.7
Cd 226.502	4.9123	4.9407	5.0568
Co 228.615	9.6030	10.3138	10.2883
Cr 267.716	10.4354	10.1841	10.3743

Label	Replicates Concentration		
Cu 324.754	20.9120	21.2381	21.1789
Fe 271.441	48.7689	51.6006	46.6500
K 766.491	1065.41	1066.41	1070.03
Mg 279.078	508.200	511.242	514.632
Mn 257.610	10.5995	10.6482	10.6945
Mo 202.032	10.4528	9.8468	10.3564
Na 330.237	920.828	789.763	819.492
Ni 231.604	40.8562	40.4505	41.3974
Pb 220.353	9.0234	9.0786	6.6448
Sb 206.834	19.9133	21.2657	26.0538
Se 196.026	22.5484	22.9160	21.2842
Sn 189.925	49.6797	51.6578	56.7254
Sr 216.596	10.2057	9.8046	9.9172
Ti 334.941	9.9489	10.0380	10.0578
Tl 190.794	25.5678	23.0917	26.4270
V 292.401	10.8656	11.0690	10.8727
Zn 206.200	19.9517	22.0752	21.5595

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	9.9582	ppb	0.1254	1.3	925.830	99.58184
Al 308.215	195.453	ppb	1.2733	0.7	1883.57	97.72642
As 188.980	23.6197	ppb	2.5388	10.7	11.3974	118.09848
B 249.678	100.817	ppb	0.3719	0.4	1968.28	100.81732
Ba 389.178	9.7729	ppb	0.2246	2.3	208.746	97.72889
Be 313.042	4.1557	ppb	0.0108	0.3	8487.07	103.89160
Ca 370.602	517.0	ppb	3.606	0.7	1559	103.39059
Cd 226.502	4.9699	ppb	0.0766	1.5	257.266	99.39877
Co 228.615	10.0684	ppb	0.4032	4.0	117.402	100.68352
Cr 267.716	10.3313	ppb	0.1311	1.3	639.042	103.31277
Cu 324.754	21.1097	ppb	0.1737	0.8	1766.63	105.54832
Fe 271.441	49.0065	ppb	2.4838	5.1	99.3401	98.01292
K 766.491	1067.29	ppb	2.4326	0.2	51567.9	106.72853
Mg 279.078	511.358	ppb	3.2173	0.6	1541.04	102.27156
Mn 257.610	10.6474	ppb	0.0475	0.4	2735.42	106.47424
Mo 202.032	10.2187	ppb	0.3256	3.2	80.1987	102.18667
Na 330.237	843.361	ppb	68.7156	8.1	77.7291	84.33611
Ni 231.604	40.9014	ppb	0.4751	1.2	133.065	102.25338
Pb 220.353	8.2489	ppb	1.3895	16.8	27.1192	82.48916
Sb 206.834	22.4109	ppb	3.2265	14.4	32.7652	112.05466
Se 196.026	22.2495	ppb	0.8560	3.8	16.3467	111.24757
Sn 189.925	52.6876	ppb	3.6340	6.9	35.8763	105.37529
Sr 216.596	9.9758	ppb	0.2069	2.1	127.224	99.75844
Ti 334.941	10.0149	ppb	0.0580	0.6	3315.21	100.14896
Tl 190.794	25.0288	ppb	1.7318	6.9	21.4690	100.11533
V 292.401	10.9358	ppb	0.1154	1.1	332.024	109.35768
Zn 206.200	21.1955	ppb	1.1076	5.2	24.9387	105.97755

Interf Check A (ICSA) **2/3/2015, 2:03:44 PM** **Rack S, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	0.0543u	0.2531u	0.3812u
Al 308.215	536301	536511	536821
As 188.980	12.4596	-3.7082u	4.3464

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Label	Replicates Concentration		
B 249.678	1.7038u	1.2173u	1.3053u
Ba 389.178	-4.4701	-3.0981	-3.8987
Be 313.042	-0.1244u	-0.1330u	-0.1301u
Ca 370.602	496519	501787	497751
Cd 226.502	1.3275	1.5581	1.3697
Co 228.615	-3.3652u	-3.5829u	-3.9596u
Cr 267.716	-0.4530	-0.4946	-0.5675
Cu 324.754	2.9549	3.1494	3.3758
Fe 271.441	184234	184289	184158
K 766.491	4.0605	3.1834	3.9125
Mg 279.078	513705	513982	514706
Mn 257.610	1.3776	1.3983	1.3978
Mo 202.032	0.5766u	0.8645u	1.1927u
Na 330.237	-481.926u	-338.597u	-87.0475u
Ni 231.604	-1.8059	-2.0050	-3.0695
Pb 220.353	4.6906	5.5602	2.3907
Sb 206.834	9.6467	8.5354	10.3164
Se 196.026	-18.2518u	-0.1162	7.9261
Sn 189.925	-0.3859u	-3.7612u	-4.2490u
Sr 216.596	-8.6217	-7.5009	-7.7595
Ti 334.941	2.1178	2.1603	2.1257
Tl 190.794	0.5635u	-2.3026u	-3.9564u
V 292.401	5.4288	5.3304	5.5214
Zn 206.200	12.6147	16.3910	14.9997

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2295	ppb	0.1647	71.8	-21.9235	0.22952
Al 308.215	536544	ppb	261.850	0.0	4219422	-
As 188.980	4.3659	ppb	8.0839	185.2	-3.7755	4.36593
B 249.678	1.4088	ppb	0.2592	18.4	-433.228	1.40881
Ba 389.178	-3.8223	ppb	0.6891	18.0	1224.87	-3.82229
Be 313.042	-0.1292	ppb	0.0044	3.4	-356.858	-0.12920
Ca 370.602	498686	ppb	2755	0.6	1481125	-
Cd 226.502	1.4184	ppb	0.1228	8.7	1034.06	1.41844
Co 228.615	-3.6359	ppb	0.3007	8.3	-34.8665	-3.63590
Cr 267.716	-0.5050	ppb	0.0580	11.5	88.7342	-0.50503
Cu 324.754	3.1600	ppb	0.2106	6.7	484.550	3.16004
Fe 271.441	184227	ppb	66.0742	0.0	326154	-
K 766.491	3.7188	ppb	0.4696	12.6	488.334	3.71880
Mg 279.078	514131	ppb	516.609	0.1	1526609	-
Mn 257.610	1.3912	ppb	0.0118	0.8	5607.86	1.39122
Mo 202.032	0.8779	ppb	0.3083	35.1	3.3892	0.87794
Na 330.237	-302.524	ppb	199.896	66.1	-37.1657	-302.52353
Ni 231.604	-2.2935	ppb	0.6794	29.6	5.1669	-2.29349
Pb 220.353	4.2139	ppb	1.6377	38.9	25.6284	4.21386
Sb 206.834	9.4995	ppb	0.8996	9.5	17.2191	9.49954
Se 196.026	-3.4807	ppb	13.4093	385.3	5.4401	-3.48067
Sn 189.925	-2.7987	ppb	2.1038	75.2	-7.4725	-2.79872
Sr 216.596	-7.9607	ppb	0.5869	7.4	351.932	-7.96071
Ti 334.941	2.1346	ppb	0.0226	1.1	1766.82	2.13461
Tl 190.794	-1.8985	ppb	2.2869	120.5	-41.6854	-1.89847
V 292.401	5.4269	ppb	0.0955	1.8	85.8578	5.42686
Zn 206.200	14.6685	ppb	1.9098	13.0	10.6194	14.66850

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Interf Check AB (ICSAB) **2/3/2015, 2:08:19 PM** **Rack S, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	211.599	212.351	213.884
Al 308.215	532587	532699	532598
As 188.980	112.569	101.805	109.755
B 249.678	0.8013u	1.5407u	0.9604u
Ba 389.178	489.834	489.414	489.781
Be 313.042	471.399	470.413	469.639
Ca 370.602	497436	496212	495267
Cd 226.502	913.721	910.454	912.243
Co 228.615	464.448	463.057	462.853
Cr 267.716	486.355	484.613	484.595
Cu 324.754	560.774	565.807	562.139
Fe 271.441	182773	182674	182474
K 766.491	2.5994	1.7798	1.7847
Mg 279.078	507044	506909	507506
Mn 257.610	497.723	496.789	496.612
Mo 202.032	998.521	994.194	994.379
Na 330.237	-71.5291u	-277.823u	-233.666u
Ni 231.604	894.739	892.585	896.824
Pb 220.353	52.0982	53.8512	52.7855
Sb 206.834	625.189	613.778	615.753
Se 196.026	45.7265	63.4996	32.1298
Sn 189.925	993.247	993.518	987.356
Sr 216.596	-7.6725	-8.1615	-7.7385
Ti 334.941	2.1706	2.1454	2.1459
Tl 190.794	87.4903	84.0676	86.1852
V 292.401	488.220	488.501	487.242
Zn 206.200	914.847	915.426	921.676

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	212.611	ppb	1.1648	0.5	19747.4	106.30566
Al 308.215	532628	ppb	61.7376	0.0	4188726	106.52557
As 188.980	108.043	ppb	5.5830	5.2	70.6066	108.04318
B 249.678	1.1008	ppb	0.3892	35.4	-424.533	-
Ba 389.178	489.676	ppb	0.2290	0.0	13627.5	97.93523
Be 313.042	470.484	ppb	0.8822	0.2	995872	94.09673
Ca 370.602	496305	ppb	1087	0.2	1474080	99.26099
Cd 226.502	912.139	ppb	1.6357	0.2	44132.0	91.21394
Co 228.615	463.453	ppb	0.8682	0.2	5583.38	92.69055
Cr 267.716	485.188	ppb	1.0109	0.2	29455.2	97.03753
Cu 324.754	562.907	ppb	2.6032	0.5	43070.2	112.58134
Fe 271.441	182641	ppb	152.359	0.1	323410	91.32030
K 766.491	2.0546	ppb	0.4718	23.0	408.410	-
Mg 279.078	507153	ppb	313.337	0.1	1505877	101.43057
Mn 257.610	497.042	ppb	0.5969	0.1	130021	99.40831
Mo 202.032	995.698	ppb	2.4464	0.2	7204.39	99.56978
Na 330.237	-194.339	ppb	108.624	55.9	-52.8384	-
Ni 231.604	894.716	ppb	2.1197	0.2	3020.65	89.47160
Pb 220.353	52.9116	ppb	0.8833	1.7	104.728	105.82323
Sb 206.834	618.240	ppb	6.0986	1.0	906.594	103.04004
Se 196.026	47.1186	ppb	15.7312	33.4	30.5254	94.23724
Sn 189.925	991.373	ppb	3.4821	0.4	769.213	99.13734
Sr 216.596	-7.8575	ppb	0.2653	3.4	310.850	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	2.1540	ppb	0.0144	0.7	1758.96	-
Tl 190.794	85.9144	ppb	1.7273	2.0	61.5482	85.91437
V 292.401	487.988	ppb	0.6611	0.1	14936.4	97.59755
Zn 206.200	917.316	ppb	3.7865	0.4	1043.56	91.73162

LRA1 (Samp) **2/3/2015, 2:12:55 PM** **Rack S, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-1.0539	-0.9047	-0.7414
Al 308.215	64.3020	61.5826	59.6436
As 188.980	20643.9x	20829.1x	20552.7x
B 249.678	4858.23	4879.45	4854.54
Ba 389.178	-0.6369u	-0.5624u	-0.8138u
Be 313.042	0.1112	0.0971	0.1057
Ca 370.602	441.3	479.0	461.2
Cd 226.502	-1.4723u	-1.3892u	-1.3779u
Co 228.615	10039.2	10078.8	10036.2
Cr 267.716	-1.2030	-1.0094	-1.0903
Cu 324.754	-3.0664u	-2.4380u	-2.4793u
Fe 271.441	20.7198	21.8137	21.4480
K 766.491	1.6068	1.1199	1.4617
Mg 279.078	18.4983u	17.4249u	15.4638u
Mn 257.610	26948.3	27155.8	26917.9
Mo 202.032	0.5801	0.5477	0.4097
Na 330.237	-841.244u	-880.818u	-755.058u
Ni 231.604	10036.7x	10072.0x	10014.1x
Pb 220.353	20221.7x	20266.6x	20154.0x
Sb 206.834	5.5737	7.7616	6.9572
Se 196.026	-1.7097	5.8800	3.8617
Sn 189.925	2.9950	3.5779	3.2491
Sr 216.596	-1.1027u	-1.1508u	-1.5823u
Ti 334.941	26495.4	26615.0	26499.2
Tl 190.794	9.9766	9.1991	12.3031
V 292.401	1.8410	1.7572	1.6798
Zn 206.200	-0.1182u	0.3165	0.2060

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9000b	ppb	0.1563	17.4	70.3026
Al 308.215	61.8428b	ppb	2.3400	3.8	753.645
As 188.980	20675.2xb	ppb	140.863	0.7	14886.8
B 249.678	4864.07b	ppb	13.4473	0.3	93466.7
Ba 389.178	-0.6710b	ppb	0.1292	19.2	-55.0908
Be 313.042	0.1047b	ppb	0.0071	6.8	-106.757
Ca 370.602	460.5b	ppb	18.87	4.1	14315
Cd 226.502	-1.4132b	ppb	0.0516	3.6	-91.3500
Co 228.615	10051.4b	ppb	23.8074	0.2	122104
Cr 267.716	-1.1009b	ppb	0.0972	8.8	159.129
Cu 324.754	-2.6612b	ppb	0.3515	13.2	-40.7980
Fe 271.441	21.3271b	ppb	0.5569	2.6	1336.18
K 766.491	1.3962b	ppb	0.2500	17.9	376.786
Mg 279.078	17.1290b	ppb	1.5387	9.0	-536.821
Mn 257.610	27007.3b	ppb	129.462	0.5	6782751
Mo 202.032	0.5125b	ppb	0.0905	17.7	9.9032

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-825.707b	ppb	64.3037	7.8	-16.7670
Ni 231.604	10040.9xb	ppb	29.1788	0.3	33738.8
Pb 220.353	20214.1xb	ppb	56.6918	0.3	33364.5
Sb 206.834	6.7641b	ppb	1.1067	16.4	9.6806
Se 196.026	2.6773b	ppb	3.9310	146.8	13.3644
Sn 189.925	3.2740b	ppb	0.2922	8.9	-2.7284
Sr 216.596	-1.2786b	ppb	0.2641	20.7	-304.671
Ti 334.941	26536.5b	ppb	67.9793	0.3	8922161
Tl 190.794	10.4929b	ppb	1.6152	15.4	49.3282
V 292.401	1.7593b	ppb	0.0806	4.6	275.321
Zn 206.200	0.1348b	ppb	0.2259	167.6	0.8096

LRA2 (Samp) **2/3/2015, 2:17:32 PM** **Rack S, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	1.0383u	1.4742u	0.0931u
Al 308.215	798942	801063	775894
As 188.980	15.1363	22.4614	14.4168
B 249.678	11.1974u	8.8373u	9.4409u
Ba 389.178	-0.9882	-2.4722	-3.3493
Be 313.042	-0.1666u	-0.1556u	-0.1636u
Ca 370.602	754784	763714	756314
Cd 226.502	12.1854	11.2091	10.9192
Co 228.615	-13.9878u	-14.3517u	-13.8847u
Cr 267.716	-5.7604	-6.2591	-6.1964
Cu 324.754	6.8036	6.7131	6.8242
Fe 271.441	945944	939852	940603
K 766.491	-1.2337u	-0.9052u	-0.4855u
Mg 279.078	748141	749849	748801
Mn 257.610	6.1342	5.8961	5.7575
Mo 202.032	3.2805u	5.0348u	2.5388u
Na 330.237	-266.290u	-250.240u	-283.227u
Ni 231.604	-18.4952	-15.3542	-17.2598
Pb 220.353	42.1613	28.8173	32.0135
Sb 206.834	7.4904	14.3756	23.5106
Se 196.026	-28.4453u	-53.1383u	-15.9638
Sn 189.925	0.7814	1.1204	2.5942
Sr 216.596	14.4351	15.6807	14.1440
Ti 334.941	4.3223	3.9794	3.6618
Tl 190.794	-21.0211u	-26.7606u	-24.0564u
V 292.401	23.4387	23.8438	23.8017
Zn 206.200	37.6734	42.0449	47.6431

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8685	ppb	0.7060	81.3	-110.838
Al 308.215	791966	ppb	13959.5	1.8	6228004
As 188.980	17.3382	ppb	4.4514	25.7	0.1896
B 249.678	9.8252	ppb	1.2261	12.5	-2294.12
Ba 389.178	-2.2699	ppb	1.1935	52.6	2469.18
Be 313.042	-0.1620	ppb	0.0057	3.5	-345.132
Ca 370.602	758271	ppb	4776	0.6	2244940
Cd 226.502	11.4379	ppb	0.6634	5.8	5365.24
Co 228.615	-14.0747	ppb	0.2453	1.7	-106.743

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-6.0719	ppb	0.2716	4.5	160.447
Cu 324.754	6.7803	ppb	0.0591	0.9	1100.09
Fe 271.441	942133	ppb	3321.33	0.4	1667898
K 766.491	-0.8748	ppb	0.3750	42.9	267.718
Mg 279.078	748931	ppb	861.195	0.1	2223784
Mn 257.610	5.9293	ppb	0.1905	3.2	11456.3
Mo 202.032	3.6180	ppb	1.2818	35.4	-14.6378
Na 330.237	-266.585	ppb	16.4951	6.2	-244.759
Ni 231.604	-17.0364	ppb	1.5824	9.3	26.0371
Pb 220.353	34.3307	ppb	6.9673	20.3	124.674
Sb 206.834	15.1255	ppb	8.0364	53.1	39.9559
Se 196.026	-32.5158	ppb	18.9186	58.2	-1.5138
Sn 189.925	1.4987	ppb	0.9638	64.3	-4.1169
Sr 216.596	14.7533	ppb	0.8162	5.5	1778.71
Ti 334.941	3.9878	ppb	0.3304	8.3	2985.96
Tl 190.794	-23.9460	ppb	2.8714	12.0	-196.222
V 292.401	23.6947	ppb	0.2227	0.9	332.212
Zn 206.200	42.4538	ppb	4.9974	11.8	14.2131

LRA3 (Samp) **2/3/2015, 2:22:09 PM** **Rack S, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	0.0327	-0.0853u	-0.0430u
Al 308.215	785.030	785.978	787.248
As 188.980	1.7220	0.1271	6.7562
B 249.678	5.2768	4.9330	4.8830
Ba 389.178	-0.2243u	-0.4200u	-0.5522u
Be 313.042	0.0201	0.0228	0.0138
Ca 370.602	829.6	825.7	822.3
Cd 226.502	0.0770	0.1219	-0.0329
Co 228.615	0.1550	0.6428	0.4671
Cr 267.716	0.2829	0.1268	0.1519
Cu 324.754	0.9331	1.0388	1.1474
Fe 271.441	972.625	969.198	962.768
K 766.491	40778.8x	41067.6x	41249.3x
Mg 279.078	758.735	752.669	752.783
Mn 257.610	3.2682	3.2682	3.2496
Mo 202.032	-0.4864u	0.2561	0.3408
Na 330.237	104495	105180x	105708x
Ni 231.604	-0.0209	0.1189	-0.4425u
Pb 220.353	-0.1478u	-0.2572u	1.8057
Sb 206.834	0.7005	1.7797	3.4037
Se 196.026	3.6088	1.0121	1.3549
Sn 189.925	0.5980	2.5606	-0.0815u
Sr 216.596	0.5067	0.0798	0.3183
Ti 334.941	2.7404	2.6858	2.6524
Tl 190.794	-0.7193u	1.6691	-1.6539u
V 292.401	0.0506	0.0203u	0.2477
Zn 206.200	29203.7x	29207.3x	29345.4x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0319b	ppb	0.0597	187.5	-3.7556
Al 308.215	786.085b	ppb	1.1129	0.1	6526.14

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2.8684b	ppb	3.4601	120.6	-3.5531
B 249.678	5.0309b	ppb	0.2144	4.3	125.686
Ba 389.178	-0.3989b	ppb	0.1650	41.4	-45.8338
Be 313.042	0.0189b	ppb	0.0046	24.6	-282.793
Ca 370.602	825.8b	ppb	3.637	0.4	2464
Cd 226.502	0.0554b	ppb	0.0796	143.9	28.6280
Co 228.615	0.4216b	ppb	0.2471	58.6	1.0248
Cr 267.716	0.1872b	ppb	0.0838	44.8	27.5716
Cu 324.754	1.0398b	ppb	0.1072	10.3	241.061
Fe 271.441	968.197b	ppb	5.0044	0.5	1725.27
K 766.491	41031.9xb	ppb	237.231	0.6	1970937
Mg 279.078	754.729b	ppb	3.4701	0.5	2263.70
Mn 257.610	3.2620b	ppb	0.0107	0.3	885.376
Mo 202.032	0.0369b	ppb	0.4551	1234.9	6.4597
Na 330.237	105128xb	ppb	608.391	0.6	5209.20
Ni 231.604	-0.1148b	ppb	0.2922	254.5	-4.7363
Pb 220.353	0.4669b	ppb	1.1607	248.6	14.3442
Sb 206.834	1.9613b	ppb	1.3607	69.4	2.5742
Se 196.026	1.9919b	ppb	1.4107	70.8	6.3534
Sn 189.925	1.0257b	ppb	1.3720	133.8	-4.4514
Sr 216.596	0.3016b	ppb	0.2139	70.9	6.7874
Ti 334.941	2.6929b	ppb	0.0444	1.6	844.896
Tl 190.794	-0.2347b	ppb	1.7137	730.2	-8.6614
V 292.401	0.1062b	ppb	0.1235	116.3	-5.3965
Zn 206.200	29252.2xb	ppb	80.7664	0.3	33506.7

Cont Calib Verif (CCV) **2/3/2015, 2:26:43 PM** **Rack 1, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	474.444	478.044	473.061
Al 308.215	4719.44	4749.07	4701.78
As 188.980	484.694	499.905	485.199
B 249.678	478.690	482.102	476.208
Ba 389.178	4854.42	4886.31	4829.21
Be 313.042	488.668	490.092	485.677
Ca 370.602	4957	4996	4932
Cd 226.502	488.565	490.729	486.537
Co 228.615	494.475	496.726	491.280
Cr 267.716	4968.99	4997.06	4946.43
Cu 324.754	4935.85	4992.92	4938.24
Fe 271.441	4769.88	4802.64	4745.10
K 766.491	10183.3	10277.3	10147.2
Mg 279.078	4880.38	4902.15	4841.70
Mn 257.610	4931.10	4973.41	4922.51
Mo 202.032	490.557	492.328	486.909
Na 330.237	7389.53	7292.00	7151.92
Ni 231.604	2436.03	2461.69	2437.47
Pb 220.353	489.507	487.832	482.133
Sb 206.834	966.877	969.480	956.198
Se 196.026	4873.57	4923.21	4859.04
Sn 189.925	4909.70	4909.97	4923.19
Sr 216.596	2411.59	2423.93	2401.95
Ti 334.941	472.541	475.135	470.940

Label	Replicates Concentration		
Tl 190.794	4988.16	5016.63	4939.20
V 292.401	4878.76	4912.52	4853.38
Zn 206.200	2451.44	2453.21	2435.25

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	475.183	ppb	2.5723	0.5	44171.1	95.03667
Al 308.215	4723.43	ppb	23.9000	0.5	38255.5	94.46864
As 188.980	489.932	ppb	8.6401	1.8	347.101	97.98647
B 249.678	479.000	ppb	2.9594	0.6	9236.53	95.79996
Ba 389.178	4856.65	ppb	28.6175	0.6	122155	97.13297
Be 313.042	488.146	ppb	2.2536	0.5	1033404	97.62914
Ca 370.602	4962	ppb	31.95	0.6	15114	99.23331
Cd 226.502	488.610	ppb	2.0963	0.4	23172.5	97.72202
Co 228.615	494.160	ppb	2.7367	0.6	5975.02	98.83202
Cr 267.716	4970.83	ppb	25.3648	0.5	300685	99.41650
Cu 324.754	4955.67	ppb	32.2807	0.7	376841	99.11341
Fe 271.441	4772.54	ppb	28.8658	0.6	8570.47	95.45082
K 766.491	10202.6	ppb	67.1567	0.7	490308	102.02612
Mg 279.078	4874.74	ppb	30.6182	0.6	14385.5	97.49484
Mn 257.610	4942.34	ppb	27.2487	0.6	1241352	98.84686
Mo 202.032	489.931	ppb	2.7630	0.6	3546.96	97.98630
Na 330.237	7277.82	ppb	119.435	1.6	377.950	97.03757
Ni 231.604	2445.06	ppb	14.4141	0.6	8218.05	97.80249
Pb 220.353	486.490	ppb	3.8655	0.8	820.843	97.29808
Sb 206.834	964.185	ppb	7.0380	0.7	1484.86	96.41850
Se 196.026	4885.28	ppb	33.6464	0.7	2418.30	97.70553
Sn 189.925	4914.29	ppb	7.7122	0.2	3833.95	98.28575
Sr 216.596	2412.49	ppb	11.0182	0.5	30639.2	96.49950
Ti 334.941	472.872	ppb	2.1169	0.4	158948	94.57439
Tl 190.794	4981.33	ppb	39.1616	0.8	5909.74	99.62663
V 292.401	4881.55	ppb	29.6694	0.6	152442	97.63103
Zn 206.200	2446.63	ppb	9.8981	0.4	2792.36	97.86530

Cont Calib Blank (CCB) **2/3/2015, 2:31:16 PM** **Rack 1, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	-0.1229u	-0.0635u	0.0335
Al 308.215	1.7129	1.6885	1.9135
As 188.980	-2.2747u	1.7172	0.2388
B 249.678	3.1619	3.0077	2.5871
Ba 389.178	-0.7078u	-0.3735u	-0.6142u
Be 313.042	0.0091	0.0057	0.0060
Ca 370.602	-3.082u	-1.281u	-0.8729u
Cd 226.502	-0.0092u	0.1152	0.0142
Co 228.615	0.3227	-0.0473u	0.0278
Cr 267.716	0.1723	0.0963	0.1314
Cu 324.754	0.3124	-0.0282u	0.0825
Fe 271.441	0.5484	-0.9729u	2.7198
K 766.491	1.2455	1.3593	1.2350
Mg 279.078	1.7490	-1.4020u	-0.5815u
Mn 257.610	0.1336	0.1146	0.1049
Mo 202.032	-0.3166u	-0.1850u	-0.1952u
Na 330.237	-173.283u	-48.2619u	-5.5740u

Label	Replicates Concentration		
Ni 231.604	0.1039	0.7024	0.4025
Pb 220.353	-2.6071u	-0.8478u	-1.5767u
Sb 206.834	4.8267	1.1585	3.1500
Se 196.026	2.6175	2.0000	5.0773
Sn 189.925	-0.8919u	1.4883	-1.7169u
Sr 216.596	0.2914	0.2319	-0.3496u
Ti 334.941	0.2276	0.2165	0.1918
Tl 190.794	-0.0684u	-1.4426u	3.3379
V 292.401	-0.0648u	0.1305	0.0211
Zn 206.200	0.0813	2.2034	0.4574

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0509	ppb	0.0789	155.0	-5.3458	-0.05094
Al 308.215	1.7716	ppb	0.1235	7.0	358.656	1.77162
As 188.980	-0.1062	ppb	2.0182	1899.6	-5.6888	-0.10624
B 249.678	2.9189	ppb	0.2975	10.2	87.5191	2.91887
Ba 389.178	-0.5652	ppb	0.1725	30.5	-52.6143	-0.56517
Be 313.042	0.0070	ppb	0.0019	26.9	-295.378	0.00696
Ca 370.602	-1.745	ppb	1.176	67.4	11.96	-1.74540
Cd 226.502	0.0400	ppb	0.0661	165.0	23.6860	0.04005
Co 228.615	0.1011	ppb	0.1956	193.5	-3.0004	0.10110
Cr 267.716	0.1333	ppb	0.0381	28.5	22.1894	0.13333
Cu 324.754	0.1222	ppb	0.1738	142.2	170.871	0.12223
Fe 271.441	0.7651	ppb	1.8559	242.6	12.5431	0.76511
K 766.491	1.2799	ppb	0.0690	5.4	371.204	1.27995
Mg 279.078	-0.0782	ppb	1.6347	2090.4	22.5533	-0.07820
Mn 257.610	0.1177	ppb	0.0146	12.4	86.2485	0.11770
Mo 202.032	-0.2323	ppb	0.0732	31.5	4.5597	-0.23228
Na 330.237	-75.7064	ppb	87.1580	115.1	26.6856	-75.70644
Ni 231.604	0.4029	ppb	0.2992	74.3	-3.1195	0.40292
Pb 220.353	-1.6772	ppb	0.8839	52.7	10.7501	-1.67717
Sb 206.834	3.0451	ppb	1.8364	60.3	4.1594	3.04510
Se 196.026	3.2316	ppb	1.6280	50.4	6.9552	3.23162
Sn 189.925	-0.3735	ppb	1.6643	445.6	-5.5774	-0.37348
Sr 216.596	0.0579	ppb	0.3542	611.5	2.0106	0.05792
Ti 334.941	0.2119	ppb	0.0183	8.7	18.2496	0.21194
Tl 190.794	0.6090	ppb	2.4612	404.2	-7.5000	0.60897
V 292.401	0.0290	ppb	0.0979	337.9	-6.5057	0.02896
Zn 206.200	0.9140	ppb	1.1323	123.9	1.7314	0.91403

IDL (Samp) **2/3/2015, 2:35:50 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0492u	0.2161	-0.1858u
Al 308.215	2.4459	1.9787	2.6007
As 188.980	3.5154	0.3469	-0.5982u
B 249.678	1.7614	2.0717	1.9613
Ba 389.178	-0.2599u	-0.5569u	-0.4646u
Be 313.042	0.0060	0.0014	0.0013
Ca 370.602	-0.6281u	1.219	-1.577u
Cd 226.502	0.0110	-0.0634u	-0.1005u
Co 228.615	0.2022	0.3788	-0.1222u
Cr 267.716	0.0368	0.0697	0.0545

Label	Replicates Concentration		
Cu 324.754	-0.1120u	0.1884	0.0576
Fe 271.441	1.0573	1.0363	-3.3705u
K 766.491	0.1102	0.2317	0.6994
Mg 279.078	-3.2065u	-0.8578u	-0.9419u
Mn 257.610	0.0484	0.0410	0.0451
Mo 202.032	-0.2858u	-0.1817u	-0.0781u
Na 330.237	-111.818u	-152.536u	-111.156u
Ni 231.604	-1.2345u	-0.3323u	-0.1706u
Pb 220.353	-1.0588u	0.7873	-0.7103u
Sb 206.834	2.5874	0.0909	0.7072
Se 196.026	-0.2714u	0.6819	6.0214
Sn 189.925	0.2288	2.6960	-0.5024u
Sr 216.596	0.1478	0.6535	-0.2575u
Ti 334.941	0.1542	0.1469	0.1265
Tl 190.794	0.0381	0.2971	0.3780
V 292.401	0.2311	-0.3380u	-0.1459u
Zn 206.200	-0.1476u	0.8720	-0.2704u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0063	ppb	0.2043	3235.1	-1.1963
Al 308.215	2.3418	ppb	0.3238	13.8	363.131
As 188.980	1.0881	ppb	2.1546	198.0	-4.8286
B 249.678	1.9315	ppb	0.1573	8.1	68.5401
Ba 389.178	-0.4271	ppb	0.1520	35.6	-49.1492
Be 313.042	0.0029	ppb	0.0027	92.3	-304.005
Ca 370.602	-0.3285	ppb	1.422	432.9	16.16
Cd 226.502	-0.0510	ppb	0.0568	111.4	19.3651
Co 228.615	0.1529	ppb	0.2541	166.2	-2.3773
Cr 267.716	0.0537	ppb	0.0165	30.7	17.3687
Cu 324.754	0.0446	ppb	0.1506	337.5	164.972
Fe 271.441	-0.4256	ppb	2.5504	599.2	10.4346
K 766.491	0.3471	ppb	0.3111	89.6	326.403
Mg 279.078	-1.6688	ppb	1.3324	79.8	17.8316
Mn 257.610	0.0448	ppb	0.0037	8.3	67.9165
Mo 202.032	-0.1819	ppb	0.1038	57.1	4.9249
Na 330.237	-125.170	ppb	23.7019	18.9	23.9342
Ni 231.604	-0.5791	ppb	0.5733	99.0	-6.4227
Pb 220.353	-0.3273	ppb	0.9808	299.7	12.9778
Sb 206.834	1.1285	ppb	1.3005	115.2	1.3237
Se 196.026	2.1440	ppb	3.3916	158.2	6.4182
Sn 189.925	0.8075	ppb	1.6759	207.5	-4.6548
Sr 216.596	0.1812	ppb	0.4564	251.8	3.6139
Ti 334.941	0.1425	ppb	0.0144	10.1	-5.1008
Tl 190.794	0.2377	ppb	0.1776	74.7	-7.9401
V 292.401	-0.0843	ppb	0.2895	343.6	-10.0498
Zn 206.200	0.1513	ppb	0.6271	414.5	0.8581

IDL (Samp) **2/3/2015, 2:40:23 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1461u	-0.3249u	-0.0567u
Al 308.215	1.0140	0.4076	1.5840
As 188.980	0.0907	-1.9505u	-0.9154u

Label	Replicates Concentration		
B 249.678	1.5813	1.4548	1.4986
Ba 389.178	-0.0745u	-0.5490u	0.1563
Be 313.042	-0.0016u	0.0051	-0.0014u
Ca 370.602	-0.5968u	0.7181	-1.640u
Cd 226.502	-0.0608u	-0.0415u	0.0357
Co 228.615	-0.2181u	0.3591	-0.3229u
Cr 267.716	0.1014	0.1132	0.0126
Cu 324.754	-0.0210u	0.0669	0.2260
Fe 271.441	-2.1290u	-4.8425u	-3.1644u
K 766.491	0.3869	0.1740	-0.1984u
Mg 279.078	1.4047	0.7999	-1.5782u
Mn 257.610	-0.0109u	0.0520	0.0135
Mo 202.032	-0.3172u	-0.1189u	0.0832
Na 330.237	16.0565	-162.116u	-34.8574u
Ni 231.604	0.1989	-1.4343u	-0.6090u
Pb 220.353	0.1203	-1.4795u	-1.7074u
Sb 206.834	0.3453	2.6905	1.9647
Se 196.026	-1.7669u	7.2925	-2.6169u
Sn 189.925	-0.4503u	-1.4381u	-0.3487u
Sr 216.596	-0.1588u	0.3278	-0.1174u
Ti 334.941	0.0896	0.1122	0.1120
Tl 190.794	4.7974	3.0169	-1.1414u
V 292.401	-0.2883u	-0.0226u	0.0275
Zn 206.200	-0.5322u	0.1586	-0.2856u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1759	ppb	0.1365	77.6	-16.9719
Al 308.215	1.0019	ppb	0.5883	58.7	352.598
As 188.980	-0.9251	ppb	1.0207	110.3	-6.2787
B 249.678	1.5116	ppb	0.0643	4.3	60.4940
Ba 389.178	-0.1557	ppb	0.3596	230.9	-42.3205
Be 313.042	0.0007	ppb	0.0038	556.8	-308.679
Ca 370.602	-0.5062	ppb	1.182	233.4	15.66
Cd 226.502	-0.0222	ppb	0.0511	229.9	20.7130
Co 228.615	-0.0606	ppb	0.3672	605.6	-4.9630
Cr 267.716	0.0758	ppb	0.0550	72.6	18.7048
Cu 324.754	0.0907	ppb	0.1252	138.1	168.475
Fe 271.441	-3.3786	ppb	1.3694	40.5	5.1992
K 766.491	0.1208	ppb	0.2963	245.2	315.535
Mg 279.078	0.2088	ppb	1.5768	755.1	23.4084
Mn 257.610	0.0182	ppb	0.0317	174.5	61.2296
Mo 202.032	-0.1176	ppb	0.2002	170.2	5.3901
Na 330.237	-60.3056	ppb	91.7718	152.2	27.5806
Ni 231.604	-0.6148	ppb	0.8166	132.8	-6.5427
Pb 220.353	-1.0222	ppb	0.9960	97.4	11.8305
Sb 206.834	1.6668	ppb	1.2007	72.0	2.1170
Se 196.026	0.9695	ppb	5.4923	566.5	5.8384
Sn 189.925	-0.7457	ppb	0.6018	80.7	-5.8682
Sr 216.596	0.0172	ppb	0.2698	1569.2	1.5065
Ti 334.941	0.1046	ppb	0.0130	12.4	-17.8560
Tl 190.794	2.2243	ppb	3.0477	137.0	-5.5844
V 292.401	-0.0945	ppb	0.1698	179.7	-10.4051
Zn 206.200	-0.2198	ppb	0.3501	159.3	0.4331

IDL (Samp) **2/3/2015, 2:44:57 PM** **Rack 1, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	0.1524	-0.1669u	-0.0868u
Al 308.215	-0.3661u	1.7683	1.9022
As 188.980	0.3513	-0.0158u	-2.2221u
B 249.678	1.1613	1.5985	1.2253
Ba 389.178	-0.4754u	-0.5170u	-0.4320u
Be 313.042	-0.0050u	-0.0077u	-0.0021u
Ca 370.602	2.710	0.3523	0.1463
Cd 226.502	-0.0655u	0.0019	-0.0582u
Co 228.615	-0.0732u	-0.1204u	0.0028
Cr 267.716	0.1122	0.0889	-0.0283u
Cu 324.754	0.2229	-0.0432u	0.1877
Fe 271.441	-5.0609u	-2.5645u	-0.5967u
K 766.491	8.2092	8.4489	8.2959
Mg 279.078	0.4634	1.1321	0.1628
Mn 257.610	0.0042	0.0272	0.0222
Mo 202.032	-0.1223u	0.1564	-0.0830u
Na 330.237	-14.2923u	15.9450	-62.3496u
Ni 231.604	0.3844	0.3547	-0.0943u
Pb 220.353	-0.5791u	-0.7410u	-1.7797u
Sb 206.834	-1.5179u	-1.2464u	-1.6234u
Se 196.026	2.4432	-0.0811u	1.8635
Sn 189.925	-2.6035u	0.6158	0.6225
Sr 216.596	0.4628	-0.3864u	0.1602
Ti 334.941	0.0842	0.0867	0.1096
Tl 190.794	0.5421	-0.9921u	0.0548
V 292.401	-0.1670u	-0.1395u	-0.1013u
Zn 206.200	-0.5173u	0.3858	0.1529

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0338	ppb	0.1661	492.0	-3.7496
Al 308.215	1.1015	ppb	1.2727	115.5	353.366
As 188.980	-0.6289	ppb	1.3920	221.3	-6.0653
B 249.678	1.3284	ppb	0.2361	17.8	56.9391
Ba 389.178	-0.4748	ppb	0.0425	9.0	-50.3455
Be 313.042	-0.0049	ppb	0.0028	57.1	-320.603
Ca 370.602	1.070	ppb	1.424	133.2	20.32
Cd 226.502	-0.0406	ppb	0.0370	91.2	19.8477
Co 228.615	-0.0636	ppb	0.0622	97.8	-4.9990
Cr 267.716	0.0576	ppb	0.0753	130.7	17.6093
Cu 324.754	0.1225	ppb	0.1445	118.0	170.895
Fe 271.441	-2.7407	ppb	2.2373	81.6	6.3119
K 766.491	8.3180	ppb	0.1213	1.5	709.219
Mg 279.078	0.5861	ppb	0.4962	84.7	24.5287
Mn 257.610	0.0179	ppb	0.0121	67.6	61.1553
Mo 202.032	-0.0163	ppb	0.1509	925.2	6.1235
Na 330.237	-20.2323	ppb	39.4839	195.2	29.8223
Ni 231.604	0.2149	ppb	0.2682	124.8	-3.7516
Pb 220.353	-1.0333	ppb	0.6515	63.1	11.8124
Sb 206.834	-1.4626	ppb	0.1945	13.3	-2.5107
Se 196.026	1.4085	ppb	1.3222	93.9	6.0551
Sn 189.925	-0.4551	ppb	1.8606	408.9	-5.6411
Sr 216.596	0.0789	ppb	0.4304	545.7	2.2866

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0935	ppb	0.0140	14.9	-21.5827
Tl 190.794	-0.1317	ppb	0.7839	595.2	-8.3792
V 292.401	-0.1359	ppb	0.0330	24.3	-11.7006
Zn 206.200	0.0071	ppb	0.4689	6579.4	0.6929

IDL (Samp) **2/3/2015, 2:49:32 PM** **Rack 1, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	-0.1137u	-0.0535u	-0.1962u
Al 308.215	3.2550	1.9140	1.2790
As 188.980	0.4661	-4.4895u	9.0847
B 249.678	1.0980	1.0450	1.0135
Ba 389.178	-0.9890u	-0.2944u	-0.6460u
Be 313.042	-0.0001u	-0.0019u	-0.0041u
Ca 370.602	3.956	2.390	2.075
Cd 226.502	-0.0468u	-0.0731u	0.0217
Co 228.615	0.3429	0.0140	0.0257
Cr 267.716	-0.0273u	0.1919	-0.0245u
Cu 324.754	0.0639	0.0870	-0.2053u
Fe 271.441	-1.7607u	1.1926	-2.4233u
K 766.491	-0.2686u	0.4348	0.4266
Mg 279.078	-0.5722u	-0.7645u	-1.7405u
Mn 257.610	0.0463	0.0524	0.0250
Mo 202.032	-0.0761u	0.1030	-0.2640u
Na 330.237	62.6483	-78.3828u	-177.841u
Ni 231.604	-0.4973u	-0.2552u	-0.2151u
Pb 220.353	-1.5111u	-0.6678u	-2.4395u
Sb 206.834	1.6655	0.7897	0.6800
Se 196.026	-3.3971u	-0.2540u	5.4003
Sn 189.925	-1.6539u	-0.3369u	0.9419
Sr 216.596	0.2923	0.1158	-0.2005u
Ti 334.941	0.1079	0.1097	0.1094
Tl 190.794	-2.2482u	-0.6621u	0.5629
V 292.401	-0.0916u	0.1700	0.0538
Zn 206.200	0.8354	-1.7538u	1.6520

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1211	ppb	0.0716	59.1	-11.8770
Al 308.215	2.1493	ppb	1.0088	46.9	361.633
As 188.980	1.6871	ppb	6.8690	407.1	-4.3971
B 249.678	1.0522	ppb	0.0427	4.1	51.6317
Ba 389.178	-0.6431	ppb	0.3473	54.0	-54.5821
Be 313.042	-0.0020	ppb	0.0020	99.5	-314.373
Ca 370.602	2.807	ppb	1.007	35.9	25.49
Cd 226.502	-0.0328	ppb	0.0490	149.4	20.2182
Co 228.615	0.1276	ppb	0.1866	146.3	-2.6858
Cr 267.716	0.0467	ppb	0.1258	269.4	16.9457
Cu 324.754	-0.0181	ppb	0.1625	896.0	160.201
Fe 271.441	-0.9971	ppb	1.9251	193.1	9.4387
K 766.491	0.1976	ppb	0.4038	204.3	319.222
Mg 279.078	-1.0257	ppb	0.6264	61.1	19.7412
Mn 257.610	0.0412	ppb	0.0143	34.8	67.0160
Mo 202.032	-0.0791	ppb	0.1835	232.1	5.6690

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-64.5252	ppb	120.842	187.3	27.3308
Ni 231.604	-0.3225	ppb	0.1527	47.3	-5.5601
Pb 220.353	-1.5395	ppb	0.8862	57.6	10.9769
Sb 206.834	1.0451	ppb	0.5401	51.7	1.1991
Se 196.026	0.5831	ppb	4.4580	764.6	5.6476
Sn 189.925	-0.3497	ppb	1.2979	371.2	-5.5587
Sr 216.596	0.0692	ppb	0.2497	360.7	2.1758
Ti 334.941	0.1090	ppb	0.0010	0.9	-16.3731
Tl 190.794	-0.7824	ppb	1.4094	180.1	-9.1494
V 292.401	0.0441	ppb	0.1311	297.5	-6.0479
Zn 206.200	0.2445	ppb	1.7781	727.2	0.9649

IDL (Samp) **2/3/2015, 2:54:06 PM** **Rack 1, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-0.0192u	-0.0771u	-0.1242u
Al 308.215	1.1115	1.6736	0.6875
As 188.980	1.7707	-2.1765u	4.0591
B 249.678	0.9167	0.8422	0.8225
Ba 389.178	-0.1200u	0.1898	-0.3934u
Be 313.042	-0.0084u	0.0009	-0.0021u
Ca 370.602	1.104	-0.6353u	-0.7526u
Cd 226.502	0.0303	-0.0342u	-0.1063u
Co 228.615	0.5142	0.0525	-0.2776u
Cr 267.716	0.0874	-0.0546u	0.0911
Cu 324.754	-0.0717u	-0.0115u	-0.1574u
Fe 271.441	-3.6263u	-0.2106u	-2.4753u
K 766.491	0.1449	-0.2149u	0.1254
Mg 279.078	-1.9752u	-0.9363u	-0.3775u
Mn 257.610	0.0148	0.0261	-0.0027u
Mo 202.032	-0.1537u	-0.1339u	-0.0289u
Na 330.237	-95.9070u	-68.9857u	-12.9750u
Ni 231.604	0.0285	-0.4176u	0.1598
Pb 220.353	-1.5507u	-1.8910u	-0.4770u
Sb 206.834	0.0672	2.1680	-0.1727u
Se 196.026	0.0513	1.5054	-2.5910u
Sn 189.925	0.0118	1.8682	-1.2948u
Sr 216.596	0.3597	-0.1790u	0.1958
Ti 334.941	0.0596	0.0537	0.0873
Tl 190.794	1.2617	-1.3028u	-1.4664u
V 292.401	-0.1254u	0.0255	-0.3114u
Zn 206.200	0.5041	0.0171	1.1298

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0735	ppb	0.0526	71.5	-7.4457
Al 308.215	1.1575	ppb	0.4947	42.7	353.812
As 188.980	1.2178	ppb	3.1544	259.0	-4.7351
B 249.678	0.8605	ppb	0.0497	5.8	47.9632
Ba 389.178	-0.1079	ppb	0.2918	270.4	-41.1210
Be 313.042	-0.0032	ppb	0.0047	147.2	-316.897
Ca 370.602	-0.0946	ppb	1.040	1099.4	16.85
Cd 226.502	-0.0367	ppb	0.0684	186.1	20.0290
Co 228.615	0.0964	ppb	0.3977	412.7	-3.0637

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.0413	ppb	0.0831	201.1	16.6225
Cu 324.754	-0.0802	ppb	0.0733	91.4	155.481
Fe 271.441	-2.1040	ppb	1.7378	82.6	7.4660
K 766.491	0.0185	ppb	0.2024	1094.5	310.621
Mg 279.078	-1.0964	ppb	0.8108	74.0	19.5323
Mn 257.610	0.0128	ppb	0.0145	113.7	59.8563
Mo 202.032	-0.1055	ppb	0.0671	63.6	5.4777
Na 330.237	-59.2893	ppb	42.3078	71.4	27.6211
Ni 231.604	-0.0764	ppb	0.3027	396.1	-4.7321
Pb 220.353	-1.3062	ppb	0.7380	56.5	11.3619
Sb 206.834	0.6875	ppb	1.2878	187.3	0.6707
Se 196.026	-0.3448	ppb	2.0768	602.4	5.1896
Sn 189.925	0.1951	ppb	1.5895	814.8	-5.1332
Sr 216.596	0.1255	ppb	0.2762	220.1	2.8828
Ti 334.941	0.0669	ppb	0.0179	26.8	-30.5361
Tl 190.794	-0.5025	ppb	1.5300	304.5	-8.8179
V 292.401	-0.1371	ppb	0.1687	123.0	-11.7160
Zn 206.200	0.5503	ppb	0.5578	101.4	1.3152

IDL (Samp) **2/3/2015, 2:58:41 PM** **Rack 1, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	0.2104	-0.1881u	-0.1623u
Al 308.215	2.6823	2.2227	2.2729
As 188.980	0.3980	-4.1182u	1.3630
B 249.678	1.2075	0.8013	0.7048
Ba 389.178	-0.8478u	-0.8400u	-0.6826u
Be 313.042	-0.0064u	0.0004	-0.0053u
Ca 370.602	-0.8341u	1.605	2.580
Cd 226.502	-0.0116u	-0.0881u	0.0522
Co 228.615	0.0781	0.2197	0.3548
Cr 267.716	0.1259	0.1120	0.0315
Cu 324.754	0.0645	0.2073	-0.2033u
Fe 271.441	-3.5856u	-1.0658u	0.3279
K 766.491	-0.1813u	-0.0546u	0.0322
Mg 279.078	1.0231	-0.4381u	-0.3642u
Mn 257.610	-0.0058u	0.0417	0.0167
Mo 202.032	0.0526	-0.1706u	0.5674
Na 330.237	-72.6985u	-54.2350u	-165.474u
Ni 231.604	-0.6005u	-0.6267u	-1.3093u
Pb 220.353	0.9422	-3.0219u	-0.6958u
Sb 206.834	-0.8184u	2.6973	0.7715
Se 196.026	-6.9342u	-1.9972u	2.4320
Sn 189.925	-0.5488u	-3.0209u	2.2594
Sr 216.596	-0.0837u	-0.0809u	-0.0561u
Ti 334.941	0.0811	0.1126	0.0737
Tl 190.794	1.1407	-0.0864u	0.4961
V 292.401	-0.1233u	0.0728	-0.2401u
Zn 206.200	1.5821	0.3268	-0.6279u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0467	ppb	0.2230	477.9	-4.9402
Al 308.215	2.3926	ppb	0.2521	10.5	363.532

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.7857	ppb	2.9261	372.4	-6.1783
B 249.678	0.9045	ppb	0.2667	29.5	48.8059
Ba 389.178	-0.7901	ppb	0.0932	11.8	-58.2776
Be 313.042	-0.0037	ppb	0.0037	97.8	-318.054
Ca 370.602	1.117	ppb	1.759	157.4	20.45
Cd 226.502	-0.0158	ppb	0.0702	444.2	21.0253
Co 228.615	0.2175	ppb	0.1384	63.6	-1.6027
Cr 267.716	0.0898	ppb	0.0509	56.7	19.5544
Cu 324.754	0.0228	ppb	0.2085	912.8	163.324
Fe 271.441	-1.4412	ppb	1.9835	137.6	8.6581
K 766.491	-0.0679	ppb	0.1074	158.1	306.472
Mg 279.078	0.0736	ppb	0.8231	1118.4	23.0063
Mn 257.610	0.0175	ppb	0.0238	135.6	61.0714
Mo 202.032	0.1498	ppb	0.3785	252.7	7.3258
Na 330.237	-97.4691	ppb	59.6130	61.2	25.4802
Ni 231.604	-0.8455	ppb	0.4019	47.5	-7.3190
Pb 220.353	-0.9252	ppb	1.9920	215.3	11.9907
Sb 206.834	0.8835	ppb	1.7605	199.3	0.9578
Se 196.026	-2.1665	ppb	4.6854	216.3	4.2903
Sn 189.925	-0.4368	ppb	2.6419	604.9	-5.6268
Sr 216.596	-0.0736	ppb	0.0152	20.7	0.3582
Ti 334.941	0.0891	ppb	0.0207	23.2	-23.0403
Tl 190.794	0.5168	ppb	0.6138	118.8	-7.6094
V 292.401	-0.0968	ppb	0.1581	163.3	-10.4982
Zn 206.200	0.4270	ppb	1.1084	259.6	1.1737

IDL (Samp) **2/3/2015, 3:03:16 PM** **Rack 1, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0650u	0.0847	-0.0306u
Al 308.215	1.0450	1.3423	0.1610
As 188.980	2.2708	0.0566	-1.2957u
B 249.678	0.7035	1.0309	0.9251
Ba 389.178	-0.5580u	-0.3571u	-0.0702u
Be 313.042	-0.0028u	0.0020	-0.0044u
Ca 370.602	4.382	-2.365u	0.1240
Cd 226.502	0.0111	-0.0660u	0.0169
Co 228.615	-0.1149u	0.0832	-0.1734u
Cr 267.716	0.0671	0.0592	0.0601
Cu 324.754	-0.3187u	0.0520	0.2158
Fe 271.441	-5.0562u	-4.3590u	2.7181
K 766.491	0.0243	-0.3695u	-0.3570u
Mg 279.078	-2.3360u	0.6345	0.2915
Mn 257.610	-0.0264u	0.0143	0.0131
Mo 202.032	0.0737	0.1244	-0.6938u
Na 330.237	-91.7868u	-79.4042u	-79.2318u
Ni 231.604	-0.1614u	0.6788	0.6271
Pb 220.353	1.4594	-3.1483u	-0.1161u
Sb 206.834	2.5598	0.5553	3.2418
Se 196.026	3.3053	-2.4858u	1.2419
Sn 189.925	-0.0796u	1.7240	0.0206
Sr 216.596	-0.2120u	-0.1369u	0.5501
Ti 334.941	0.0578	0.0436	0.0462

Label	Replicates Concentration		
Tl 190.794	2.5596	-2.9507u	-1.2005u
V 292.401	0.0574	-0.0357u	0.0968
Zn 206.200	-0.0194u	1.5134	-0.5521u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0036	ppb	0.0784	2163.4	-0.9423
Al 308.215	0.8494	ppb	0.6145	72.3	351.411
As 188.980	0.3439	ppb	1.8005	523.5	-5.3646
B 249.678	0.8865	ppb	0.1671	18.8	48.5006
Ba 389.178	-0.3284	ppb	0.2452	74.6	-46.6622
Be 313.042	-0.0017	ppb	0.0033	196.4	-313.732
Ca 370.602	0.7139	ppb	3.412	477.9	19.24
Cd 226.502	-0.0127	ppb	0.0463	365.6	21.1743
Co 228.615	-0.0684	ppb	0.1344	196.6	-5.0561
Cr 267.716	0.0622	ppb	0.0043	7.0	17.8825
Cu 324.754	-0.0170	ppb	0.2738	1612.4	160.290
Fe 271.441	-2.2324	ppb	4.3014	192.7	7.2152
K 766.491	-0.2341	ppb	0.2238	95.6	298.492
Mg 279.078	-0.4700	ppb	1.6251	345.8	21.3929
Mn 257.610	0.0003	ppb	0.0231	7208.0	56.7553
Mo 202.032	-0.1653	ppb	0.4584	277.4	5.0451
Na 330.237	-83.4743	ppb	7.1994	8.6	26.2691
Ni 231.604	0.3815	ppb	0.4709	123.4	-3.1914
Pb 220.353	-0.6017	ppb	2.3419	389.2	12.5249
Sb 206.834	2.1189	ppb	1.3965	65.9	2.7870
Se 196.026	0.6871	ppb	2.9351	427.2	5.6990
Sn 189.925	0.5550	ppb	1.0136	182.6	-4.8520
Sr 216.596	0.0671	ppb	0.4200	626.2	2.1318
Ti 334.941	0.0492	ppb	0.0076	15.4	-36.4850
Tl 190.794	-0.5305	ppb	2.8156	530.7	-8.8518
V 292.401	0.0395	ppb	0.0680	172.2	-6.1938
Zn 206.200	0.3140	ppb	1.0723	341.5	1.0444

IDL (Samp) **2/3/2015, 3:07:51 PM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2591u	-0.3329u	-0.1024u
Al 308.215	1.6772	-0.7073u	0.7452
As 188.980	-3.0388u	-1.1681u	2.4995
B 249.678	0.5260	0.8885	0.4140
Ba 389.178	-0.8727u	-0.7487u	-1.0225u
Be 313.042	-0.0041u	0.0041	-0.0001u
Ca 370.602	1.470	-4.431u	1.591
Cd 226.502	0.1636	0.0565	-0.0125u
Co 228.615	-0.3374u	0.3748	0.6313
Cr 267.716	0.0089	-0.0443u	0.1111
Cu 324.754	-0.1820u	-0.1044u	0.0720
Fe 271.441	2.3664	-1.6402u	-2.1256u
K 766.491	-0.0305u	0.0188	-0.2221u
Mg 279.078	-1.1711u	-0.4237u	-3.7165u
Mn 257.610	-0.0122u	-0.0035u	0.0109
Mo 202.032	-0.0017u	-0.0076u	-0.1765u
Na 330.237	-69.9559u	-230.368u	-126.072u

Label	Replicates Concentration		
Ni 231.604	-0.5219u	-0.2110u	-0.7972u
Pb 220.353	-0.0852u	0.5192	-0.2243u
Sb 206.834	0.4203	0.3125	-0.9594u
Se 196.026	-0.0396u	-0.2722u	-2.4854u
Sn 189.925	0.3990	2.3503	-1.6475u
Sr 216.596	0.2754	0.4516	0.1404
Ti 334.941	0.0038	0.0206	0.0172
Tl 190.794	0.4987	-0.2516u	-0.9971u
V 292.401	0.0559	-0.0319u	-0.3230u
Zn 206.200	1.0403	0.1498	1.1530

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2315	ppb	0.1177	50.8	-22.1555
Al 308.215	0.5717	ppb	1.2017	210.2	349.209
As 188.980	-0.5691	ppb	2.8174	495.0	-6.0223
B 249.678	0.6095	ppb	0.2480	40.7	43.1652
Ba 389.178	-0.8813	ppb	0.1371	15.6	-60.5717
Be 313.042	-0.0000	ppb	0.0041	9434.5	-310.223
Ca 370.602	-0.4567	ppb	3.442	753.7	15.74
Cd 226.502	0.0692	ppb	0.0887	128.2	25.0583
Co 228.615	0.2229	ppb	0.5019	225.2	-1.5356
Cr 267.716	0.0252	ppb	0.0789	313.0	15.6483
Cu 324.754	-0.0715	ppb	0.1301	182.1	156.150
Fe 271.441	-0.4664	ppb	2.4653	528.5	10.3866
K 766.491	-0.0779	ppb	0.1272	163.3	305.990
Mg 279.078	-1.7704	ppb	1.7263	97.5	17.5311
Mn 257.610	-0.0016	ppb	0.0117	730.6	56.2629
Mo 202.032	-0.0619	ppb	0.0992	160.2	5.7930
Na 330.237	-142.132	ppb	81.4028	57.3	22.9594
Ni 231.604	-0.5100	ppb	0.2933	57.5	-6.1907
Pb 220.353	0.0699	ppb	0.3953	565.4	13.6333
Sb 206.834	-0.0755	ppb	0.7674	1016.0	-0.4590
Se 196.026	-0.9324	ppb	1.3500	144.8	4.8995
Sn 189.925	0.3673	ppb	1.9991	544.3	-4.9986
Sr 216.596	0.2891	ppb	0.1561	54.0	4.9826
Ti 334.941	0.0139	ppb	0.0089	63.8	-48.3437
Tl 190.794	-0.2500	ppb	0.7479	299.2	-8.5185
V 292.401	-0.0997	ppb	0.1983	199.0	-10.5532
Zn 206.200	0.7811	ppb	0.5495	70.4	1.5794

680-109207-a-7-a^10 (Samp) **2/3/2015, 3:12:27 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1213u	-0.0287u	-0.0948u
Al 308.215	2.6387	2.8636	3.0925
As 188.980	-1.3996u	-1.0930u	-1.0928u
B 249.678	0.6055	0.5488	0.4528
Ba 389.178	1.1367	1.6226	1.2330
Be 313.042	-0.0061u	-0.0063u	-0.0077u
Ca 370.602	5506	5507	5519
Cd 226.502	0.1178	-0.0990u	0.0311
Co 228.615	0.1448	-0.4491u	-0.0717u
Cr 267.716	0.6235	0.7297	0.6187

Label	Replicates Concentration		
Cu 324.754	0.0190	0.4514	0.2291
Fe 271.441	-0.3686u	3.7976	1.0113
K 766.491	3875.20	3859.50	3875.47
Mg 279.078	2238.40	2241.48	2242.48
Mn 257.610	0.1138	0.1163	0.1297
Mo 202.032	0.0454	0.0750	0.1992
Na 330.237	9363.30	9401.01	9412.26
Ni 231.604	0.0063	0.5423	0.7009
Pb 220.353	-0.8311u	-1.1130u	0.9986
Sb 206.834	1.9113	1.1782	3.8056
Se 196.026	3.7850	0.7565	1.2283
Sn 189.925	0.1440	-1.1319u	1.9614
Sr 216.596	1.7511	1.6347	1.7240
Ti 334.941	0.0374	0.0592	0.0781
Tl 190.794	-0.4416u	-2.0894u	0.6392
V 292.401	0.0113	-0.0195u	-0.2282u
Zn 206.200	0.3312	1.1415	0.8767

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0816	ppb	0.0477	58.5	-8.3172
Al 308.215	2.8649	ppb	0.2269	7.9	367.252
As 188.980	-1.1951	ppb	0.1771	14.8	-6.4732
B 249.678	0.5357	ppb	0.0772	14.4	41.7548
Ba 389.178	1.3308	ppb	0.2573	19.3	0.3052
Be 313.042	-0.0067	ppb	0.0009	12.9	-323.756
Ca 370.602	5511	ppb	7.242	0.1	16406
Cd 226.502	0.0166	ppb	0.1091	656.3	22.5441
Co 228.615	-0.1253	ppb	0.3006	239.9	-5.7444
Cr 267.716	0.6573	ppb	0.0627	9.5	54.1023
Cu 324.754	0.2332	ppb	0.2162	92.7	179.316
Fe 271.441	1.4801	ppb	2.1223	143.4	13.7913
K 766.491	3870.06	ppb	9.1434	0.2	186176
Mg 279.078	2240.79	ppb	2.1296	0.1	6677.21
Mn 257.610	0.1199	ppb	0.0085	7.1	106.696
Mo 202.032	0.1066	ppb	0.0816	76.6	7.0127
Na 330.237	9392.19	ppb	25.6446	0.3	557.751
Ni 231.604	0.4165	ppb	0.3640	87.4	-3.0734
Pb 220.353	-0.3152	ppb	1.1465	363.8	12.9983
Sb 206.834	2.2984	ppb	1.3558	59.0	3.0584
Se 196.026	1.9233	ppb	1.6295	84.7	6.3093
Sn 189.925	0.3245	ppb	1.5545	479.0	-5.0289
Sr 216.596	1.7033	ppb	0.0609	3.6	25.1535
Ti 334.941	0.0582	ppb	0.0204	35.0	-29.7740
Tl 190.794	-0.6306	ppb	1.3741	217.9	-8.9716
V 292.401	-0.0788	ppb	0.1303	165.3	-10.0251
Zn 206.200	0.7831	ppb	0.4132	52.8	1.5803

680-109351-a-1-b^10 (Samp) **2/3/2015, 3:17:03 PM** **Rack 1, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	0.0443u	-0.2758u	0.0760u
Al 308.215	494.011	488.526	480.733
As 188.980	-5.4850u	-4.9512u	-3.9796u

Label	Replicates Concentration		
B 249.678	320.433	316.829	311.623
Ba 389.178	224.221	220.939	217.517
Be 313.042	0.0104	0.0075	0.0136
Ca 370.602	2070	2050	2025
Cd 226.502	6.9608	6.8898	6.7793
Co 228.615	0.2442	0.7363	1.1022
Cr 267.716	2817.30	2782.90	2735.18
Cu 324.754	7.7753	7.6641	7.4582
Fe 271.441	156.881	154.434	145.888
K 766.491	479.837	475.692	465.227
Mg 279.078	281.303	278.793	273.686
Mn 257.610	50.4176	49.8469	48.9006
Mo 202.032	0.5228	0.5580	0.5122
Na 330.237	1719.05	1445.69	1530.38
Ni 231.604	1.4700	1.3357	1.5830
Pb 220.353	-1.4031	1.4217	0.6690
Sb 206.834	2.9734	4.5271	0.4955
Se 196.026	2.2821	0.5049	1.1069
Sn 189.925	5.5880	1.9339	6.0239
Sr 216.596	2290.12	2264.77	2217.76
Ti 334.941	8.4040	8.1756	7.7991
Tl 190.794	2.8288	3.4898	2.0855
V 292.401	4.8171	4.8456	4.7408
Zn 206.200	1697.21	1679.42	1648.51

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0519	ppb	0.1946	375.2	-89.6949
Al 308.215	487.757	ppb	6.6724	1.4	4180.24
As 188.980	-4.8053	ppb	0.7632	15.9	-9.0749
B 249.678	316.295	ppb	4.4295	1.4	6107.15
Ba 389.178	220.893	ppb	3.3522	1.5	5518.69
Be 313.042	0.0105	ppb	0.0031	29.1	-287.302
Ca 370.602	2049	ppb	22.62	1.1	6113
Cd 226.502	6.8766	ppb	0.0915	1.3	348.049
Co 228.615	0.6943	ppb	0.4305	62.0	11.0839
Cr 267.716	2778.46	ppb	41.2408	1.5	168095
Cu 324.754	7.6325	ppb	0.1609	2.1	741.896
Fe 271.441	152.401	ppb	5.7716	3.8	286.866
K 766.491	473.585	ppb	7.5294	1.6	23054.5
Mg 279.078	277.927	ppb	3.8813	1.4	846.817
Mn 257.610	49.7217	ppb	0.7662	1.5	12547.0
Mo 202.032	0.5310	ppb	0.0240	4.5	10.0768
Na 330.237	1565.04	ppb	139.936	8.9	77.6152
Ni 231.604	1.4629	ppb	0.1238	8.5	0.4617
Pb 220.353	0.2292	ppb	1.4629	638.3	16.2981
Sb 206.834	2.6653	ppb	2.0334	76.3	40.6998
Se 196.026	1.2980	ppb	0.9039	69.6	6.0144
Sn 189.925	4.5153	ppb	2.2461	49.7	-1.7577
Sr 216.596	2257.55	ppb	36.7143	1.6	28736.6
Ti 334.941	8.1262	ppb	0.3055	3.8	2679.72
Tl 190.794	2.8014	ppb	0.7026	25.1	-4.8970
V 292.401	4.8012	ppb	0.0542	1.1	-0.4077
Zn 206.200	1675.05	ppb	24.6415	1.5	1913.38

Cont Calib Verif (CCV) **2/3/2015, 3:21:37 PM** **Rack 1, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	474.249	476.431	474.655
Al 308.215	4711.86	4692.66	4696.96
As 188.980	492.305	494.384	490.121
B 249.678	476.920	473.554	475.094
Ba 389.178	4845.95	4825.00	4820.96
Be 313.042	488.852	485.044	487.333
Ca 370.602	4908	4871	4857
Cd 226.502	487.891	485.550	485.893
Co 228.615	493.583	490.475	492.105
Cr 267.716	4958.19	4942.65	4939.05
Cu 324.754	4916.36	4980.96	5018.70
Fe 271.441	4753.80	4744.58	4740.44
K 766.491	10221.3	10213.0	10223.4
Mg 279.078	4864.51	4849.09	4854.93
Mn 257.610	4944.37	4920.47	4905.42
Mo 202.032	486.827	481.878	484.355
Na 330.237	7186.75	7172.71	7377.34
Ni 231.604	2448.47	2421.43	2429.83
Pb 220.353	482.979	486.577	489.098
Sb 206.834	955.407	956.197	953.663
Se 196.026	4864.28	4855.51	4838.01
Sn 189.925	4924.97	4907.60	4886.20
Sr 216.596	2409.89	2393.62	2400.78
Ti 334.941	472.964	471.816	472.049
Tl 190.794	4944.71	4925.20	4923.77
V 292.401	4874.54	4864.81	4864.10
Zn 206.200	2437.87	2424.80	2410.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	475.112	ppb	1.1604	0.2	44164.4	95.02235
Al 308.215	4700.50	ppb	10.0750	0.2	38073.3	94.00991
As 188.980	492.270	ppb	2.1317	0.4	348.786	98.45402
B 249.678	475.189	ppb	1.6849	0.4	9163.32	95.03786
Ba 389.178	4830.64	ppb	13.4131	0.3	121501	96.61275
Be 313.042	487.077	ppb	1.9173	0.4	1031141	97.41531
Ca 370.602	4879	ppb	26.36	0.5	14867	97.57345
Cd 226.502	486.445	ppb	1.2646	0.3	23069.9	97.28893
Co 228.615	492.054	ppb	1.5544	0.3	5949.66	98.41087
Cr 267.716	4946.63	ppb	10.1710	0.2	299222	98.93264
Cu 324.754	4972.01	ppb	51.7540	1.0	378083	99.44011
Fe 271.441	4746.27	ppb	6.8375	0.1	8523.64	94.92546
K 766.491	10219.2	ppb	5.4746	0.1	491105	102.19210
Mg 279.078	4856.17	ppb	7.7852	0.2	14330.4	97.12350
Mn 257.610	4923.42	ppb	19.6395	0.4	1236599	98.46837
Mo 202.032	484.354	ppb	2.4745	0.5	3506.59	96.87071
Na 330.237	7245.60	ppb	114.302	1.6	376.546	96.60802
Ni 231.604	2433.24	ppb	13.8385	0.6	8178.31	97.32977
Pb 220.353	486.218	ppb	3.0755	0.6	820.405	97.24358
Sb 206.834	955.089	ppb	1.2968	0.1	1471.59	95.50889
Se 196.026	4852.60	ppb	13.3749	0.3	2402.17	97.05200
Sn 189.925	4906.26	ppb	19.4202	0.4	3827.68	98.12518
Sr 216.596	2401.43	ppb	8.1572	0.3	30498.7	96.05724

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	472.276	ppb	0.6067	0.1	158748	94.45525
Tl 190.794	4931.23	ppb	11.7013	0.2	5850.31	98.62453
V 292.401	4867.82	ppb	5.8371	0.1	152012	97.35632
Zn 206.200	2424.41	ppb	13.6578	0.6	2766.89	96.97634

Cont Calib Blank (CCB) **2/3/2015, 3:26:10 PM** **Rack 1, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0445u	-0.2250u	0.3118
Al 308.215	2.0033	0.1491	1.5933
As 188.980	-0.0891u	-2.2936u	0.9666
B 249.678	2.0166	1.1848	1.7919
Ba 389.178	-0.4237u	-0.3026u	-0.2415u
Be 313.042	-0.0002u	0.0062	0.0052
Ca 370.602	-0.6966u	0.2388	0.5059
Cd 226.502	-0.0219u	0.0314	-0.0080u
Co 228.615	0.0449	0.0261	0.1391
Cr 267.716	0.1133	0.1447	0.1653
Cu 324.754	0.3240	0.2562	-0.0704u
Fe 271.441	-9.2559u	1.0382	-4.5302u
K 766.491	1.0275	0.1529	-0.0173u
Mg 279.078	-1.2002u	1.7472	-1.0718u
Mn 257.610	0.1493	0.1088	0.1216
Mo 202.032	-0.1740u	0.0233	0.2106
Na 330.237	-80.7426u	37.0814	-65.3841u
Ni 231.604	1.3059	0.9000	-0.8960u
Pb 220.353	1.0967	-1.8056u	-1.4763u
Sb 206.834	4.0701	3.8277	0.8739
Se 196.026	3.5890	3.9942	8.0988
Sn 189.925	-0.4543u	-2.1345u	-1.0258u
Sr 216.596	-0.4363u	0.2570	0.4426
Ti 334.941	0.1291	0.1435	0.0676
Tl 190.794	-0.7913u	2.1256	0.5428
V 292.401	0.0825	0.0576	-0.1273u
Zn 206.200	-0.5016u	0.9681	-0.4927u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0141	ppb	0.2731	1933.2	0.7030	0.01413
Al 308.215	1.2486	ppb	0.9740	78.0	354.549	1.24857
As 188.980	-0.4720	ppb	1.6635	352.4	-5.9524	-0.47203
B 249.678	1.6644	ppb	0.4303	25.9	63.4254	1.66442
Ba 389.178	-0.3226	ppb	0.0928	28.8	-46.5172	-0.32261
Be 313.042	0.0038	ppb	0.0034	91.4	-302.194	0.00376
Ca 370.602	0.0160	ppb	0.6315	3937.0	17.19	0.01604
Cd 226.502	0.0005	ppb	0.0276	5523.5	21.7954	0.00050
Co 228.615	0.0701	ppb	0.0605	86.4	-3.3843	0.07005
Cr 267.716	0.1411	ppb	0.0262	18.6	22.6588	0.14111
Cu 324.754	0.1700	ppb	0.2109	124.1	174.506	0.16995
Fe 271.441	-4.2493	ppb	5.1528	121.3	3.6816	-4.24929
K 766.491	0.3877	ppb	0.5606	144.6	328.354	0.38772
Mg 279.078	-0.1749	ppb	1.6659	952.5	22.2665	-0.17490
Mn 257.610	0.1266	ppb	0.0207	16.4	88.4543	0.12657
Mo 202.032	0.0200	ppb	0.1923	961.7	6.3861	0.02000

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-36.3485	ppb	64.0541	176.2	28.9190	-36.34845
Ni 231.604	0.4366	ppb	1.1718	268.4	-3.0068	0.43662
Pb 220.353	-0.7284	ppb	1.5892	218.2	12.3155	-0.72842
Sb 206.834	2.9239	ppb	1.7795	60.9	3.9759	2.92389
Se 196.026	5.2273	ppb	2.4950	47.7	7.9403	5.22734
Sn 189.925	-1.2049	ppb	0.8543	70.9	-6.2269	-1.20487
Sr 216.596	0.0878	ppb	0.4633	527.9	2.3765	0.08776
Ti 334.941	0.1134	ppb	0.0403	35.6	-14.8961	0.11338
Tl 190.794	0.6257	ppb	1.4602	233.4	-7.4801	0.62573
V 292.401	0.0042	ppb	0.1146	2701.3	-7.3356	0.00424
Zn 206.200	-0.0087	ppb	0.8460	9690.8	0.6745	-0.00873

680-109474-e-20-a^10 (Samp) **2/3/2015, 3:30:43 PM** **Rack 1, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.0119u	0.0159u	-0.3016u
Al 308.215	278.711	273.106	269.361
As 188.980	-1.8059u	0.4420	-3.9193u
B 249.678	1.6025	1.3452	1.2388
Ba 389.178	2.4633	2.4324	2.4951
Be 313.042	-0.0033u	-0.0066u	0.0009
Ca 370.602	4809	4749	4644
Cd 226.502	0.1155	-0.0394u	0.0008
Co 228.615	0.1044	-0.1167u	0.0507
Cr 267.716	0.7387	0.5981	0.6089
Cu 324.754	0.0766	0.0486	-0.2319u
Fe 271.441	70.4838	63.8286	62.7978
K 766.491	12200.7	12101.5	11798.4
Mg 279.078	5.0743	2.5060	6.1893
Mn 257.610	0.8127	0.8337	0.7729
Mo 202.032	0.1491	0.5449	0.3941
Na 330.237	2574.26	2562.59	2523.82
Ni 231.604	1.5801	0.6231	-0.5606u
Pb 220.353	-1.6926u	-1.9963u	-0.9551u
Sb 206.834	1.8737	1.0581	1.8649
Se 196.026	-0.0150u	2.0226	0.9340
Sn 189.925	1.2083	0.5062	-3.8341u
Sr 216.596	54.4315	54.0191	52.8861
Ti 334.941	0.1682	0.1384	0.1229
Tl 190.794	-0.5169u	-0.8805u	-0.6465u
V 292.401	0.0449	0.0490	0.2004
Zn 206.200	0.5112	0.1711	1.0222

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0913	ppb	0.1822	199.6	-11.1363
Al 308.215	273.726	ppb	4.7057	1.7	2497.18
As 188.980	-1.7611	ppb	2.1810	123.8	-6.8815
B 249.678	1.3955	ppb	0.1870	13.4	58.1165
Ba 389.178	2.4636	ppb	0.0313	1.3	23.6395
Be 313.042	-0.0030	ppb	0.0037	124.4	-315.641
Ca 370.602	4734	ppb	83.37	1.8	14095
Cd 226.502	0.0257	ppb	0.0804	313.3	23.3033
Co 228.615	0.0128	ppb	0.1153	900.9	-4.0722

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.6486	ppb	0.0782	12.1	53.4579
Cu 324.754	-0.0356	ppb	0.1706	479.6	158.926
Fe 271.441	65.7034	ppb	4.1719	6.3	127.508
K 766.491	12033.5	ppb	209.613	1.7	578241
Mg 279.078	4.5898	ppb	1.8888	41.2	36.2884
Mn 257.610	0.8064	ppb	0.0309	3.8	259.523
Mo 202.032	0.3627	ppb	0.1998	55.1	8.8634
Na 330.237	2553.56	ppb	26.4068	1.0	174.166
Ni 231.604	0.5475	ppb	1.0723	195.8	-2.6272
Pb 220.353	-1.5480	ppb	0.5355	34.6	10.9635
Sb 206.834	1.5989	ppb	0.4684	29.3	2.0181
Se 196.026	0.9805	ppb	1.0196	104.0	5.8447
Sn 189.925	-0.7066	ppb	2.7312	386.6	-5.8367
Sr 216.596	53.7789	ppb	0.8002	1.5	687.773
Ti 334.941	0.1432	ppb	0.0230	16.1	-5.0878
Tl 190.794	-0.6813	ppb	0.1843	27.0	-9.0426
V 292.401	0.0981	ppb	0.0886	90.3	-4.5669
Zn 206.200	0.5682	ppb	0.4284	75.4	1.3317

640-50326-f-2-d^10 (Samp) **2/3/2015, 3:35:16 PM** **Rack 1, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	-0.0593u	0.0653	-0.0741u
Al 308.215	82.0806	84.3621	84.4164
As 188.980	-0.3546u	1.1076	1.1686
B 249.678	126.937	125.400	125.569
Ba 389.178	8.7245	8.7348	8.8407
Be 313.042	0.0027	0.0037	0.0042
Ca 370.602	1129	1109	1111
Cd 226.502	-0.0515u	0.0717	0.0848
Co 228.615	-0.1533u	0.6044	0.2263
Cr 267.716	5.4311	5.2870	5.7004
Cu 324.754	0.1341	0.0064	0.0731
Fe 271.441	234.637	234.669	232.086
K 766.491	8117.67	8043.65	8034.98
Mg 279.078	376.632	370.807	371.057
Mn 257.610	3.4986	3.3839	3.4218
Mo 202.032	0.3422	-0.0959u	-0.1776u
Na 330.237	15155.7	15174.8	15296.8
Ni 231.604	0.8135	1.2681	0.6152
Pb 220.353	-1.0053u	-1.2096u	1.8012
Sb 206.834	-1.2309u	-1.0313u	1.8910
Se 196.026	5.6402	-3.0718u	0.5133
Sn 189.925	1.3797	-3.0995u	-2.1212u
Sr 216.596	8.4121	8.7056	8.6527
Ti 334.941	0.2986	0.2844	0.2933
Tl 190.794	0.6400	0.6090	0.5505
V 292.401	0.7756	0.5789	0.5718
Zn 206.200	1.1453	1.4136	0.9867

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0227	ppb	0.0766	337.2	-3.0718
Al 308.215	83.6197	ppb	1.3332	1.6	1002.39

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.6405	ppb	0.8623	134.6	-5.1527
B 249.678	125.969	ppb	0.8426	0.7	2450.65
Ba 389.178	8.7667	ppb	0.0644	0.7	183.192
Be 313.042	0.0035	ppb	0.0008	21.3	-304.653
Ca 370.602	1117	ppb	11.10	1.0	3336
Cd 226.502	0.0350	ppb	0.0752	215.0	24.5205
Co 228.615	0.2258	ppb	0.3789	167.8	-1.4621
Cr 267.716	5.4728	ppb	0.2099	3.8	345.681
Cu 324.754	0.0712	ppb	0.0639	89.7	167.096
Fe 271.441	233.797	ppb	1.4823	0.6	425.132
K 766.491	8065.43	ppb	45.4418	0.6	387666
Mg 279.078	372.832	ppb	3.2935	0.9	1129.87
Mn 257.610	3.4348	ppb	0.0584	1.7	923.336
Mo 202.032	0.0229	ppb	0.2795	1220.9	6.3946
Na 330.237	15209.1	ppb	76.5275	0.5	883.960
Ni 231.604	0.8989	ppb	0.3348	37.2	-1.4303
Pb 220.353	-0.1379	ppb	1.6824	1220.0	13.3105
Sb 206.834	-0.1238	ppb	1.7476	1412.2	-0.4554
Se 196.026	1.0272	ppb	4.3787	426.3	5.8700
Sn 189.925	-1.2804	ppb	2.3550	183.9	-6.2807
Sr 216.596	8.5901	ppb	0.1564	1.8	111.367
Ti 334.941	0.2921	ppb	0.0072	2.5	44.5466
Tl 190.794	0.5998	ppb	0.0455	7.6	-7.5473
V 292.401	0.6421	ppb	0.1156	18.0	12.1240
Zn 206.200	1.1819	ppb	0.2158	18.3	2.0181

640-50326-f-2-e ms (Samp) **2/3/2015, 3:39:49 PM** **Rack 1, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	5.3806	5.4346	4.9684
Al 308.215	632.664	609.820	585.898
As 188.980	13.1282	13.4811	11.3127
B 249.678	144.450	139.790	133.023
Ba 389.178	19.6507	19.1145	17.4472
Be 313.042	5.7830	5.5646	5.3150
Ca 370.602	1630	1575	1503
Cd 226.502	5.7850	5.4161	5.2698
Co 228.615	5.7264	5.6259	5.5911
Cr 267.716	16.9832	16.2474	15.6382
Cu 324.754	11.7231	11.5760	10.9233
Fe 271.441	785.669	757.674	730.088
K 766.491	8405.34	8139.75	7778.87
Mg 279.078	921.021	895.524	853.241
Mn 257.610	61.7931	59.6945	56.9811
Mo 202.032	11.2674	10.6087	10.8948
Na 330.237	15457.5	14921.4	14051.0
Ni 231.604	12.2495	12.3611	11.2329
Pb 220.353	56.3198	51.5861	50.0251
Sb 206.834	5.4196	5.1223	4.6607
Se 196.026	4.5880	12.3759	5.1604
Sn 189.925	21.6560	22.5063	20.0500
Sr 216.596	19.3746	18.4062	18.3225
Ti 334.941	11.3603	10.9636	10.5401

Label	Replicates Concentration		
Tl 190.794	5.3378	5.7550	6.6811
V 292.401	12.1066	11.3952	11.0379
Zn 206.200	11.9187	11.6869	12.6292

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.2612	ppb	0.2550	4.8	488.528
Al 308.215	609.460	ppb	23.3852	3.8	5139.29
As 188.980	12.6406	ppb	1.1635	9.2	3.4839
B 249.678	139.088	ppb	5.7458	4.1	2701.34
Ba 389.178	18.7375	ppb	1.1491	6.1	435.742
Be 313.042	5.5542	ppb	0.2341	4.2	11446.1
Ca 370.602	1569	ppb	63.42	4.0	4683
Cd 226.502	5.4903	ppb	0.2655	4.8	285.397
Co 228.615	5.6478	ppb	0.0702	1.2	64.0560
Cr 267.716	16.2896	ppb	0.6735	4.1	1000.44
Cu 324.754	11.4075	ppb	0.4257	3.7	1029.41
Fe 271.441	757.810	ppb	27.7908	3.7	1353.62
K 766.491	8107.99	ppb	314.440	3.9	389710
Mg 279.078	889.929	ppb	34.2350	3.8	2663.99
Mn 257.610	59.4895	ppb	2.4125	4.1	15007.5
Mo 202.032	10.9236	ppb	0.3303	3.0	85.2658
Na 330.237	14810.0	ppb	709.879	4.8	861.151
Ni 231.604	11.9478	ppb	0.6217	5.2	35.7646
Pb 220.353	52.6437	ppb	3.2780	6.2	100.450
Sb 206.834	5.0676	ppb	0.3824	7.5	7.1901
Se 196.026	7.3748	ppb	4.3405	58.9	9.0226
Sn 189.925	21.4041	ppb	1.2474	5.8	11.4411
Sr 216.596	18.7011	ppb	0.5848	3.1	240.500
Ti 334.941	10.9547	ppb	0.4102	3.7	3630.76
Tl 190.794	5.9246	ppb	0.6875	11.6	-1.2954
V 292.401	11.5133	ppb	0.5440	4.7	349.222
Zn 206.200	12.0783	ppb	0.4910	4.1	14.4565

640-50326-f-2-f msd (Samp) **2/3/2015, 3:44:23 PM** **Rack 1, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	5.7775	5.3351	5.1411
Al 308.215	645.284	635.301	623.947
As 188.980	14.6714	14.5413	10.1435
B 249.678	145.470	143.396	141.259
Ba 389.178	19.3342	19.0360	19.2182
Be 313.042	5.9281	5.8473	5.7210
Ca 370.602	1668	1631	1600
Cd 226.502	5.7872	5.5262	5.6062
Co 228.615	5.8700	5.7513	5.4018
Cr 267.716	17.1943	16.8883	16.5820
Cu 324.754	11.7861	11.8959	11.4684
Fe 271.441	851.704	838.091	823.757
K 766.491	8529.78	8429.79	8285.04
Mg 279.078	939.766	928.326	912.602
Mn 257.610	63.2500	62.2967	61.2053
Mo 202.032	11.3087	10.9678	10.7553
Na 330.237	15693.9	15416.4	15125.6

Label	Replicates Concentration		
Ni 231.604	11.8730	11.8945	12.3860
Pb 220.353	55.1621	57.5452	53.3752
Sb 206.834	7.0188	7.0047	4.4034
Se 196.026	16.5908	14.1427	9.7810
Sn 189.925	19.3505	23.9297	19.6745
Sr 216.596	19.5272	19.8886	18.6746
Ti 334.941	11.7251	11.5541	11.3143
Tl 190.794	5.3735	7.6117	2.6017
V 292.401	12.1693	12.0015	11.8447
Zn 206.200	13.4494	13.1319	13.2974

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.4179	ppb	0.3262	6.0	503.086
Al 308.215	634.844	ppb	10.6759	1.7	5338.98
As 188.980	13.1187	ppb	2.5775	19.6	3.8277
B 249.678	143.375	ppb	2.1056	1.5	2783.52
Ba 389.178	19.1961	ppb	0.1503	0.8	447.439
Be 313.042	5.8321	ppb	0.1044	1.8	12034.4
Ca 370.602	1633	ppb	33.77	2.1	4872
Cd 226.502	5.6399	ppb	0.1337	2.4	292.880
Co 228.615	5.6743	ppb	0.2434	4.3	64.3934
Cr 267.716	16.8882	ppb	0.3061	1.8	1036.72
Cu 324.754	11.7168	ppb	0.2220	1.9	1052.96
Fe 271.441	837.851	ppb	13.9751	1.7	1495.33
K 766.491	8414.87	ppb	123.049	1.5	404448
Mg 279.078	926.898	ppb	13.6381	1.5	2773.71
Mn 257.610	62.2506	ppb	1.0231	1.6	15701.6
Mo 202.032	11.0106	ppb	0.2792	2.5	85.8910
Na 330.237	15411.9	ppb	284.191	1.8	894.881
Ni 231.604	12.0512	ppb	0.2901	2.4	36.1194
Pb 220.353	55.3608	ppb	2.0921	3.8	104.941
Sb 206.834	6.1423	ppb	1.5059	24.5	8.7867
Se 196.026	13.5048	ppb	3.4494	25.5	12.0502
Sn 189.925	20.9849	ppb	2.5554	12.2	11.1138
Sr 216.596	19.3635	ppb	0.6234	3.2	249.052
Ti 334.941	11.5311	ppb	0.2064	1.8	3824.61
Tl 190.794	5.1956	ppb	2.5097	48.3	-2.1715
V 292.401	12.0051	ppb	0.1623	1.4	364.522
Zn 206.200	13.2929	ppb	0.1588	1.2	15.8435

680-109391-a-9-a^10 (Samp) **2/3/2015, 3:48:57 PM** **Rack 1, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0368u	-0.0268u	-0.3154u
Al 308.215	147.996	147.258	142.608
As 188.980	0.4515	-2.3231u	-2.7956u
B 249.678	26.2630	25.3194	24.8605
Ba 389.178	2.3811	2.4569	2.2751
Be 313.042	0.1153	0.1113	0.1098
Ca 370.602	3660	3605	3504
Cd 226.502	-0.0612	0.1242	-0.0668u
Co 228.615	0.5742	-0.0053	0.4457
Cr 267.716	1.0173	1.0217	1.0554

Label	Replicates Concentration		
Cu 324.754	7.7159	7.3350	7.5202
Fe 271.441	657.720	639.087	624.245
K 766.491	747.377	733.559	716.346
Mg 279.078	3013.92	2968.66	2875.16
Mn 257.610	20.9458	20.6092	20.1016
Mo 202.032	-0.0254u	0.0333	-0.0040u
Na 330.237	28857.2	28254.1	27484.6
Ni 231.604	1.4619	0.8446	0.6172
Pb 220.353	-1.2647u	-1.9468u	-1.4832u
Sb 206.834	2.4056	0.9311	1.1073
Se 196.026	0.4402	-0.8841u	1.8307
Sn 189.925	-0.7722u	1.2546	1.5678
Sr 216.596	31.3560	30.4904	30.2234
Ti 334.941	1.3450	1.3105	1.2791
Tl 190.794	-1.6629u	-0.3748u	0.9815
V 292.401	0.1352	0.1652	0.5647
Zn 206.200	1.9738	2.7134	2.4896

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1263	ppb	0.1638	129.7	-13.5797
Al 308.215	145.954	ppb	2.9212	2.0	1492.55
As 188.980	-1.5557	ppb	1.7543	112.8	-6.7375
B 249.678	25.4810	ppb	0.7151	2.8	519.213
Ba 389.178	2.3710	ppb	0.0913	3.9	28.6898
Be 313.042	0.1121	ppb	0.0029	2.6	-75.1370
Ca 370.602	3590	ppb	79.20	2.2	10687
Cd 226.502	-0.0013	ppb	0.1087	8607.1	24.8227
Co 228.615	0.3382	ppb	0.3043	90.0	-0.0671
Cr 267.716	1.0315	ppb	0.0208	2.0	77.6164
Cu 324.754	7.5237	ppb	0.1904	2.5	733.820
Fe 271.441	640.351	ppb	16.7735	2.6	1144.87
K 766.491	732.427	ppb	15.5464	2.1	35485.8
Mg 279.078	2952.58	ppb	70.7659	2.4	8790.49
Mn 257.610	20.5522	ppb	0.4250	2.1	5246.50
Mo 202.032	0.0013	ppb	0.0297	2287.5	6.2183
Na 330.237	28198.6	ppb	687.977	2.4	1612.42
Ni 231.604	0.9745	ppb	0.4371	44.9	-1.1385
Pb 220.353	-1.5649	ppb	0.3483	22.3	10.9823
Sb 206.834	1.4813	ppb	0.8053	54.4	1.8683
Se 196.026	0.4622	ppb	1.3575	293.7	5.5993
Sn 189.925	0.6834	ppb	1.2702	185.9	-4.7422
Sr 216.596	30.6900	ppb	0.5921	1.9	394.202
Ti 334.941	1.3115	ppb	0.0329	2.5	391.392
Tl 190.794	-0.3521	ppb	1.3224	375.6	-8.7358
V 292.401	0.2883	ppb	0.2398	83.2	1.0359
Zn 206.200	2.3923	ppb	0.3792	15.9	3.3988

680-109391-a-9-b ms (Samp) **2/3/2015, 3:53:31 PM** **Rack 1, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	5.5371	5.4511	5.1109
Al 308.215	699.824	689.437	676.321
As 188.980	11.2971	5.4749	9.5220

Label	Replicates Concentration		
B 249.678	46.9895	46.3034	45.3423
Ba 389.178	13.4479	13.2730	12.3347
Be 313.042	5.7692	5.6702	5.5356
Ca 370.602	4178	4134	4041
Cd 226.502	5.5400	5.3470	5.2751
Co 228.615	5.6825	5.3802	5.7797
Cr 267.716	12.1419	11.8279	11.8400
Cu 324.754	18.9876	18.9090	18.2152
Fe 271.441	1183.07	1174.45	1154.31
K 766.491	1363.49	1337.11	1303.15
Mg 279.078	3562.28	3511.86	3432.74
Mn 257.610	77.7347	76.5348	74.8700
Mo 202.032	11.0446	10.8294	10.2843
Na 330.237	29367.3	28852.9	28177.9
Ni 231.604	12.7257	12.4839	11.4779
Pb 220.353	54.4191	54.9619	54.4351
Sb 206.834	5.8205	7.8862	7.2903
Se 196.026	12.5960	17.1150	8.8162
Sn 189.925	22.6478	21.4197	20.7910
Sr 216.596	42.4312	41.3326	40.4832
Ti 334.941	11.9709	11.7518	11.5126
Tl 190.794	7.5385	3.4265	3.2399
V 292.401	11.4688	11.3922	11.0796
Zn 206.200	13.2841	15.2509	12.7397

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.3664	ppb	0.2254	4.2	497.423
Al 308.215	688.527	ppb	11.7775	1.7	5761.04
As 188.980	8.7647	ppb	2.9841	34.0	0.6892
B 249.678	46.2117	ppb	0.8274	1.8	916.112
Ba 389.178	13.0185	ppb	0.5987	4.6	298.346
Be 313.042	5.6583	ppb	0.1172	2.1	11666.1
Ca 370.602	4118	ppb	69.99	1.7	12259
Cd 226.502	5.3874	ppb	0.1370	2.5	282.581
Co 228.615	5.6141	ppb	0.2083	3.7	63.6873
Cr 267.716	11.9366	ppb	0.1779	1.5	737.749
Cu 324.754	18.7039	ppb	0.4251	2.3	1584.27
Fe 271.441	1170.61	ppb	14.7601	1.3	2084.39
K 766.491	1334.59	ppb	30.2479	2.3	64405.5
Mg 279.078	3502.30	ppb	65.2969	1.9	10421.5
Mn 257.610	76.3798	ppb	1.4387	1.9	19273.9
Mo 202.032	10.7194	ppb	0.3919	3.7	83.7673
Na 330.237	28799.4	ppb	596.477	2.1	1645.68
Ni 231.604	12.2292	ppb	0.6618	5.4	36.7497
Pb 220.353	54.6054	ppb	0.3089	0.6	103.716
Sb 206.834	6.9990	ppb	1.0632	15.2	10.0010
Se 196.026	12.8424	ppb	4.1549	32.4	11.7300
Sn 189.925	21.6195	ppb	0.9443	4.4	11.6141
Sr 216.596	41.4157	ppb	0.9767	2.4	531.223
Ti 334.941	11.7451	ppb	0.2292	2.0	3900.58
Tl 190.794	4.7350	ppb	2.4298	51.3	-2.7672
V 292.401	11.3135	ppb	0.2062	1.8	342.969
Zn 206.200	13.7582	ppb	1.3211	9.6	16.3744

680-109391-a-9-c msd (Samp) **2/3/2015, 3:58:06 PM** **Rack 1, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	5.1173	5.1131	5.0403
Al 308.215	676.736	667.315	647.715
As 188.980	12.0939	12.5842	7.1648
B 249.678	46.1550	44.9701	43.9042
Ba 389.178	13.6494	12.3896	11.9777
Be 313.042	5.5765	5.4885	5.3594
Ca 370.602	4077	4001	3908
Cd 226.502	5.4706	5.3411	5.2438
Co 228.615	5.8667	5.7431	5.2262
Cr 267.716	11.7986	11.5312	11.2873
Cu 324.754	18.4518	18.0592	17.4627
Fe 271.441	1155.65	1139.02	1110.36
K 766.491	1318.46	1299.14	1267.31
Mg 279.078	3461.26	3396.69	3320.38
Mn 257.610	75.4106	73.9116	72.4114
Mo 202.032	9.9338	10.2826	10.0549
Na 330.237	28401.0	28031.6	27368.9
Ni 231.604	10.7817	10.3088	11.0625
Pb 220.353	53.7803	52.4234	49.7047
Sb 206.834	4.6305	5.9788	5.0551
Se 196.026	17.8367	14.7685	13.5347
Sn 189.925	18.4461	21.5500	19.1820
Sr 216.596	40.6600	39.9285	39.1851
Ti 334.941	11.5941	11.4101	11.1082
Tl 190.794	6.5046	1.7969	5.9225
V 292.401	10.8674	10.8551	10.9497
Zn 206.200	13.2447	14.0289	10.8106

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.0903	ppb	0.0433	0.9	471.775
Al 308.215	663.922	ppb	14.8051	2.2	5567.47
As 188.980	10.6143	ppb	2.9974	28.2	2.0219
B 249.678	45.0098	ppb	1.1259	2.5	893.083
Ba 389.178	12.6722	ppb	0.8709	6.9	289.347
Be 313.042	5.4748	ppb	0.1092	2.0	11277.7
Ca 370.602	3996	ppb	84.49	2.1	11895
Cd 226.502	5.3518	ppb	0.1138	2.1	280.724
Co 228.615	5.6120	ppb	0.3398	6.1	63.6698
Cr 267.716	11.5390	ppb	0.2557	2.2	713.652
Cu 324.754	17.9913	ppb	0.4981	2.8	1530.05
Fe 271.441	1135.01	ppb	22.9099	2.0	2021.36
K 766.491	1294.97	ppb	25.8298	2.0	62503.0
Mg 279.078	3392.78	ppb	70.5213	2.1	10096.3
Mn 257.610	73.9112	ppb	1.4996	2.0	18652.9
Mo 202.032	10.0904	ppb	0.1771	1.8	79.2162
Na 330.237	27933.8	ppb	522.970	1.9	1597.17
Ni 231.604	10.7177	ppb	0.3809	3.6	31.6625
Pb 220.353	51.9695	ppb	2.0753	4.0	99.3635
Sb 206.834	5.2215	ppb	0.6893	13.2	7.3769
Se 196.026	15.3800	ppb	2.2152	14.4	12.9818
Sn 189.925	19.7260	ppb	1.6219	8.2	10.1346
Sr 216.596	39.9245	ppb	0.7375	1.8	512.191

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	11.3708	ppb	0.2453	2.2	3774.58
Tl 190.794	4.7413	ppb	2.5665	54.1	-2.7530
V 292.401	10.8907	ppb	0.0514	0.5	329.932
Zn 206.200	12.6947	ppb	1.6781	13.2	15.1585

680-109391-a-6-a^10 (Samp) **2/3/2015, 4:02:41 PM** **Rack 1, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	0.0501	0.0306u	-0.2725u
Al 308.215	188.664	183.943	177.676
As 188.980	1.2494	-1.5360u	3.2622
B 249.678	15.1947	15.2260	15.0070
Ba 389.178	77.9544	77.1335	73.9209
Be 313.042	2.4285	2.3803	2.3168
Ca 370.602	6311	6156	5997
Cd 226.502	-0.0635	0.1436	-0.0502
Co 228.615	6.5761	6.7431	6.2218
Cr 267.716	0.8048	0.7492	0.7745
Cu 324.754	0.5714	0.0450	0.2843
Fe 271.441	2356.15	2290.64	2233.92
K 766.491	140.151	137.754	134.377
Mg 279.078	3074.40	3003.53	2921.20
Mn 257.610	22.9559	22.4494	21.7800
Mo 202.032	0.1870	-0.0448u	0.1793
Na 330.237	26950.7	26334.8	25378.0
Ni 231.604	8.5589	8.2556	7.9330
Pb 220.353	-0.5466u	-3.1423u	-1.2993u
Sb 206.834	-1.5250u	-0.7178u	1.7077
Se 196.026	-2.5246u	8.2559	-0.7446u
Sn 189.925	0.2751	-1.1423u	0.5562
Sr 216.596	109.654	107.012	103.139
Ti 334.941	0.1049	0.1540	0.1359
Tl 190.794	-0.2030u	-1.7356u	-1.7872u
V 292.401	0.2101	-0.0430u	0.3994
Zn 206.200	7.9508	9.1209	7.8399

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0639	ppb	0.1809	283.0	-10.9255
Al 308.215	183.427	ppb	5.5122	3.0	1787.35
As 188.980	0.9919	ppb	2.4095	242.9	-4.9143
B 249.678	15.1426	ppb	0.1185	0.8	316.206
Ba 389.178	76.3363	ppb	2.1317	2.8	1890.75
Be 313.042	2.3752	ppb	0.0560	2.4	4717.36
Ca 370.602	6155	ppb	156.9	2.5	18297
Cd 226.502	0.0100	ppb	0.1159	1162.7	33.7900
Co 228.615	6.5136	ppb	0.2662	4.1	74.6790
Cr 267.716	0.7762	ppb	0.0278	3.6	63.0237
Cu 324.754	0.3002	ppb	0.2636	87.8	185.440
Fe 271.441	2293.57	ppb	61.1681	2.7	4072.38
K 766.491	137.427	ppb	2.9006	2.1	6909.92
Mg 279.078	2999.71	ppb	76.6701	2.6	8930.39
Mn 257.610	22.3951	ppb	0.5898	2.6	5715.54
Mo 202.032	0.1072	ppb	0.1316	122.8	6.9022

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	26221.2	ppb	792.469	3.0	1500.90
Ni 231.604	8.2492	ppb	0.3130	3.8	23.4654
Pb 220.353	-1.6627	ppb	1.3355	80.3	10.9348
Sb 206.834	-0.1783	ppb	1.6825	943.4	-0.5569
Se 196.026	1.6622	ppb	5.7792	347.7	6.2083
Sn 189.925	-0.1037	ppb	0.9104	878.2	-5.3577
Sr 216.596	106.602	ppb	3.2768	3.1	1363.53
Ti 334.941	0.1316	ppb	0.0248	18.9	-4.8201
Tl 190.794	-1.2419	ppb	0.9001	72.5	-10.0531
V 292.401	0.1888	ppb	0.2220	117.6	-2.7870
Zn 206.200	8.3039	ppb	0.7097	8.5	10.1090

CRI (Samp) **2/3/2015, 4:07:16 PM** **Rack 1, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	9.8402	9.9841	10.2401
Al 308.215	193.134	193.439	195.283
As 188.980	19.6283	22.2909	20.4627
B 249.678	98.1858	99.4436	99.4875
Ba 389.178	9.2004	8.9858	9.6010
Be 313.042	4.1132	4.1066	4.1344
Ca 370.602	503.3	504.2	515.3
Cd 226.502	5.0767	4.9552	5.0950
Co 228.615	10.3451	9.9200	10.0056
Cr 267.716	10.2763	10.1863	10.3499
Cu 324.754	21.2025	20.8233	20.8340
Fe 271.441	49.9872	49.2833	48.6034
K 766.491	1070.11	1064.31	1069.87
Mg 279.078	504.062	505.736	512.563
Mn 257.610	10.5781	10.4766	10.6134
Mo 202.032	9.7670	9.8872	9.8205
Na 330.237	804.007	820.808	850.435
Ni 231.604	39.6036	40.4435	40.1544
Pb 220.353	10.0288	7.5827	12.0703
Sb 206.834	19.7020	21.7298	22.4417
Se 196.026	21.2589	20.9688	19.7875
Sn 189.925	48.3937	47.5184	53.0710
Sr 216.596	9.8784	9.9565	9.9042
Ti 334.941	9.9280	9.8660	9.9463
Tl 190.794	23.0792	27.6014	25.4550
V 292.401	10.7244	10.6099	10.7874
Zn 206.200	20.1552	20.1497	20.9089

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.0215	ppb	0.2025	2.0	931.715
Al 308.215	193.952	ppb	1.1629	0.6	1871.72
As 188.980	20.7940	ppb	1.3619	6.5	9.3621
B 249.678	99.0390	ppb	0.7392	0.7	1934.16
Ba 389.178	9.2624	ppb	0.3123	3.4	195.892
Be 313.042	4.1181	ppb	0.0145	0.4	8407.50
Ca 370.602	507.6	ppb	6.690	1.3	1531
Cd 226.502	5.0423	ppb	0.0760	1.5	260.678
Co 228.615	10.0902	ppb	0.2249	2.2	117.679

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	10.2708	ppb	0.0819	0.8	635.386
Cu 324.754	20.9533	ppb	0.2159	1.0	1754.73
Fe 271.441	49.2913	ppb	0.6919	1.4	99.8418
K 766.491	1068.10	ppb	3.2849	0.3	51606.9
Mg 279.078	507.454	ppb	4.5030	0.9	1529.45
Mn 257.610	10.5560	ppb	0.0710	0.7	2712.43
Mo 202.032	9.8249	ppb	0.0603	0.6	77.3488
Na 330.237	825.083	ppb	23.5074	2.8	76.7248
Ni 231.604	40.0672	ppb	0.4267	1.1	130.260
Pb 220.353	9.8939	ppb	2.2469	22.7	29.8347
Sb 206.834	21.2912	ppb	1.4216	6.7	31.1158
Se 196.026	20.6717	ppb	0.7794	3.8	15.5677
Sn 189.925	49.6610	ppb	2.9854	6.0	33.5118
Sr 216.596	9.9130	ppb	0.0398	0.4	126.430
Ti 334.941	9.9134	ppb	0.0421	0.4	3281.09
Tl 190.794	25.3785	ppb	2.2621	8.9	21.8852
V 292.401	10.7073	ppb	0.0900	0.8	324.967
Zn 206.200	20.4046	ppb	0.4368	2.1	24.0329

mb 680-369252/1-a (Samp) **2/3/2015, 4:11:51 PM** **Rack 1, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-0.3769u	-0.3000u	-0.1738u
Al 308.215	3.6915	2.7007	1.8410
As 188.980	-0.8173u	-5.7066u	0.7475
B 249.678	0.9676	0.9576	0.6545
Ba 389.178	-0.8203u	-0.6828u	-0.4293u
Be 313.042	-0.0026u	-0.0059u	-0.0079u
Ca 370.602	4.765	7.796	6.423
Cd 226.502	0.1160	0.0192	0.0179
Co 228.615	0.2724	-0.1596u	0.1932
Cr 267.716	0.2952	0.5506	0.2948
Cu 324.754	0.0260	0.3069	0.0769
Fe 271.441	-0.4020u	0.2930	2.9834
K 766.491	1.2228	0.5483	0.4907
Mg 279.078	1.0210	0.6261	1.3302
Mn 257.610	0.0771	0.0789	0.1228
Mo 202.032	0.0339	0.0242	0.0118
Na 330.237	-19.3445u	-95.2550u	-45.2518u
Ni 231.604	-0.5643u	-0.1807u	-0.3729u
Pb 220.353	-0.6533u	0.2657	-1.1955u
Sb 206.834	3.2479	2.1437	2.0763
Se 196.026	-1.1710u	-3.9767u	-4.2118u
Sn 189.925	-2.0797u	0.2552	0.4307
Sr 216.596	0.7239	-0.1001u	0.4734
Ti 334.941	0.0790	0.0805	0.0855
Tl 190.794	2.4873	1.5294	-1.1071u
V 292.401	-0.1485u	-0.2381u	0.0050
Zn 206.200	0.4254	1.8779	0.5056

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2836	ppb	0.1025	36.1	-27.0070
Al 308.215	2.7444	ppb	0.9260	33.7	366.284

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.9254	ppb	3.3668	174.9	-6.9993
B 249.678	0.8599	ppb	0.1779	20.7	47.9561
Ba 389.178	-0.6441	ppb	0.1983	30.8	-54.5975
Be 313.042	-0.0055	ppb	0.0027	48.6	-321.768
Ca 370.602	6.328	ppb	1.518	24.0	35.90
Cd 226.502	0.0511	ppb	0.0563	110.2	24.2147
Co 228.615	0.1020	ppb	0.2300	225.4	-2.9963
Cr 267.716	0.3802	ppb	0.1476	38.8	37.1256
Cu 324.754	0.1366	ppb	0.1497	109.6	171.975
Fe 271.441	0.9581	ppb	1.7880	186.6	12.8824
K 766.491	0.7539	ppb	0.4071	54.0	345.941
Mg 279.078	0.9924	ppb	0.3529	35.6	25.7337
Mn 257.610	0.0930	ppb	0.0259	27.8	80.0452
Mo 202.032	0.0233	ppb	0.0111	47.6	6.4098
Na 330.237	-53.2838	ppb	38.5874	72.4	27.9463
Ni 231.604	-0.3726	ppb	0.1918	51.5	-5.7277
Pb 220.353	-0.5277	ppb	0.7386	140.0	12.6474
Sb 206.834	2.4893	ppb	0.6578	26.4	3.3374
Se 196.026	-3.1198	ppb	1.6918	54.2	3.8197
Sn 189.925	-0.4646	ppb	1.4015	301.7	-5.6485
Sr 216.596	0.3657	ppb	0.4224	115.5	5.9487
Ti 334.941	0.0816	ppb	0.0034	4.2	-25.5703
Tl 190.794	0.9699	ppb	1.8614	191.9	-7.0733
V 292.401	-0.1272	ppb	0.1229	96.6	-11.4512
Zn 206.200	0.9363	ppb	0.8164	87.2	1.7564

Cont Calib Verif (CCV) **2/3/2015, 4:16:26 PM** **Rack 1, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	472.677	476.980	475.039
Al 308.215	4717.45	4722.56	4720.17
As 188.980	490.184	494.242	482.178
B 249.678	475.110	477.305	478.816
Ba 389.178	4821.79	4838.81	4846.13
Be 313.042	487.634	487.871	487.348
Ca 370.602	4887	4901	4910
Cd 226.502	488.267	489.714	488.815
Co 228.615	494.167	494.046	495.185
Cr 267.716	4949.34	4961.95	4965.94
Cu 324.754	4978.21	4956.07	5002.30
Fe 271.441	4752.99	4758.97	4762.31
K 766.491	10220.4	10216.6	10233.4
Mg 279.078	4867.77	4890.61	4873.35
Mn 257.610	4915.06	4945.85	4945.00
Mo 202.032	486.939	487.634	486.170
Na 330.237	7324.32	7209.28	7319.73
Ni 231.604	2440.74	2449.41	2427.31
Pb 220.353	485.160	486.313	487.174
Sb 206.834	957.866	965.652	955.833
Se 196.026	4877.56	4865.36	4890.92
Sn 189.925	4907.85	4924.87	4886.26
Sr 216.596	2404.16	2414.48	2416.86
Ti 334.941	471.283	472.732	472.911

Label	Replicates Concentration		
Tl 190.794	4940.45	4956.89	4956.00
V 292.401	4872.02	4882.14	4875.85
Zn 206.200	2432.26	2438.67	2449.30

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	474.899	ppb	2.1549	0.5	44144.4	94.97975
Al 308.215	4720.06	ppb	2.5550	0.1	38228.6	94.40118
As 188.980	488.868	ppb	6.1388	1.3	346.334	97.77361
B 249.678	477.077	ppb	1.8634	0.4	9199.63	95.41539
Ba 389.178	4835.58	ppb	12.4856	0.3	121625	96.71150
Be 313.042	487.618	ppb	0.2619	0.1	1032287	97.52358
Ca 370.602	4899	ppb	11.42	0.2	14928	97.98605
Cd 226.502	488.932	ppb	0.7302	0.1	23187.7	97.78644
Co 228.615	494.466	ppb	0.6255	0.1	5978.77	98.89320
Cr 267.716	4959.08	ppb	8.6633	0.2	299975	99.18158
Cu 324.754	4978.86	ppb	23.1196	0.5	378604	99.57722
Fe 271.441	4758.09	ppb	4.7175	0.1	8544.94	95.16177
K 766.491	10223.5	ppb	8.7897	0.1	491309	102.23459
Mg 279.078	4877.24	ppb	11.9065	0.2	14392.8	97.54482
Mn 257.610	4935.31	ppb	17.5350	0.4	1239585	98.70613
Mo 202.032	486.914	ppb	0.7320	0.2	3525.12	97.38282
Na 330.237	7284.44	ppb	65.1321	0.9	378.355	97.12592
Ni 231.604	2439.15	ppb	11.1336	0.5	8198.18	97.56618
Pb 220.353	486.216	ppb	1.0103	0.2	820.403	97.24315
Sb 206.834	959.784	ppb	5.1830	0.5	1478.55	95.97837
Se 196.026	4877.95	ppb	12.7834	0.3	2414.69	97.55897
Sn 189.925	4906.32	ppb	19.3515	0.4	3827.73	98.12649
Sr 216.596	2411.83	ppb	6.7514	0.3	30631.0	96.47340
Ti 334.941	472.309	ppb	0.8931	0.2	158759	94.46175
Tl 190.794	4951.11	ppb	9.2456	0.2	5873.91	99.02225
V 292.401	4876.67	ppb	5.1089	0.1	152289	97.53339
Zn 206.200	2440.08	ppb	8.6081	0.4	2784.83	97.60303

Cont Calib Blank (CCB) **2/3/2015, 4:20:58 PM** **Rack 1, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0630u	-0.0086u	-0.3615u
Al 308.215	2.8716	4.6680	3.4797
As 188.980	-2.1035u	-1.6244u	-0.8954u
B 249.678	1.5226	1.5189	1.4977
Ba 389.178	-0.2497u	-0.3477u	-0.7063u
Be 313.042	0.0069	0.0060	0.0074
Ca 370.602	7.757	7.788	7.257
Cd 226.502	0.0188	0.0647	-0.0263u
Co 228.615	0.0681	-0.0013u	-0.4595u
Cr 267.716	0.1256	0.2513	0.1304
Cu 324.754	0.2959	0.1279	-0.0088u
Fe 271.441	-4.1229u	-3.1433u	-4.6143u
K 766.491	-0.1641u	0.2762	0.2393
Mg 279.078	0.0365	1.2095	-1.0076u
Mn 257.610	0.2012	0.2224	0.2171
Mo 202.032	0.3458	0.2270	0.2180
Na 330.237	-158.078u	-123.929u	-86.7767u

Label	Replicates Concentration		
Ni 231.604	-0.2793u	0.5645	-0.3880u
Pb 220.353	-2.8421u	1.4207	-2.1100u
Sb 206.834	4.2236	5.2810	4.1730
Se 196.026	-0.7338u	0.1457	-2.4987u
Sn 189.925	-0.9160u	0.7936	0.3846
Sr 216.596	0.2354	0.1573	-0.2159u
Ti 334.941	0.2047	0.1925	0.1971
Tl 190.794	0.5349	-0.2431u	0.8184
V 292.401	-0.0585u	0.1005	-0.0981u
Zn 206.200	0.1115	0.1128	-0.5243u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1444	ppb	0.1900	131.6	-14.0370	-0.14435
Al 308.215	3.6731	ppb	0.9136	24.9	373.625	3.67309
As 188.980	-1.5411	ppb	0.6083	39.5	-6.7225	-1.54112
B 249.678	1.5131	ppb	0.0134	0.9	60.5554	1.51308
Ba 389.178	-0.4345	ppb	0.2404	55.3	-49.3267	-0.43455
Be 313.042	0.0067	ppb	0.0007	10.4	-295.898	0.00674
Ca 370.602	7.601	ppb	0.2980	3.9	39.77	7.60065
Cd 226.502	0.0190	ppb	0.0455	239.1	22.6828	0.01903
Co 228.615	-0.1309	ppb	0.2867	219.0	-5.8180	-0.13090
Cr 267.716	0.1691	ppb	0.0712	42.1	24.3531	0.16910
Cu 324.754	0.1383	ppb	0.1526	110.4	172.110	0.13831
Fe 271.441	-3.9601	ppb	0.7489	18.9	4.1645	-3.96015
K 766.491	0.1172	ppb	0.2443	208.5	315.359	0.11716
Mg 279.078	0.0794	ppb	1.1092	1396.2	23.0190	0.07944
Mn 257.610	0.2135	ppb	0.0110	5.2	110.319	0.21355
Mo 202.032	0.2636	ppb	0.0713	27.1	8.1496	0.26363
Na 330.237	-122.928	ppb	35.6614	29.0	24.0552	-122.92809
Ni 231.604	-0.0343	ppb	0.5214	1521.2	-4.5897	-0.03427
Pb 220.353	-1.1771	ppb	2.2793	193.6	11.5747	-1.17714
Sb 206.834	4.5592	ppb	0.6256	13.7	6.3916	4.55918
Se 196.026	-1.0289	ppb	1.3467	130.9	4.8519	-1.02893
Sn 189.925	0.0874	ppb	0.8928	1021.3	-5.2173	0.08742
Sr 216.596	0.0589	ppb	0.2412	409.4	2.0356	0.05892
Ti 334.941	0.1981	ppb	0.0062	3.1	13.5914	0.19808
Tl 190.794	0.3701	ppb	0.5496	148.5	-7.7849	0.37007
V 292.401	-0.0187	ppb	0.1051	562.9	-8.0982	-0.01867
Zn 206.200	-0.1000	ppb	0.3675	367.4	0.5699	-0.10002

lcs 680-369252/2-a (Samp) **2/3/2015, 4:25:31 PM** **Rack 1, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	49.9698	49.5918	50.7493
Al 308.215	4871.17	4876.90	4904.44
As 188.980	100.600	107.662	100.028
B 249.678	195.379	196.067	197.495
Ba 389.178	99.5868	100.259	100.752
Be 313.042	51.4061	51.5560	51.8544
Ca 370.602	5032	5046	5085
Cd 226.502	50.7997	50.8433	51.0191
Co 228.615	50.5865	51.2336	52.0382
Cr 267.716	104.326	104.671	105.333

Label	Replicates Concentration		
Cu 324.754	104.204	104.091	104.356
Fe 271.441	4936.35	4956.58	4991.17
K 766.491	5201.73	5200.83	5240.36
Mg 279.078	4968.36	4968.06	4997.40
Mn 257.610	525.648	526.192	529.585
Mo 202.032	100.987	101.910	101.907
Na 330.237	4567.36	4746.54	4933.41
Ni 231.604	101.820	100.006	102.639
Pb 220.353	501.932	501.736	504.778
Sb 206.834	48.7537	52.3422	53.1056
Se 196.026	104.901	94.6004	102.037
Sn 189.925	200.359	200.466	198.565
Sr 216.596	99.9759	100.192	99.8842
Ti 334.941	100.083	100.204	100.967
Tl 190.794	39.9550	40.2985	42.1155
V 292.401	103.106	103.910	104.448
Zn 206.200	104.537	102.494	102.348

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.1036	ppb	0.5902	1.2	4660.68
Al 308.215	4884.17	ppb	17.7850	0.4	38770.0
As 188.980	102.763	ppb	4.2517	4.1	68.3413
B 249.678	196.313	ppb	1.0793	0.5	3790.13
Ba 389.178	100.199	ppb	0.5849	0.6	2498.75
Be 313.042	51.6055	ppb	0.2282	0.4	108938
Ca 370.602	5054	ppb	27.27	0.5	15056
Cd 226.502	50.8874	ppb	0.1162	0.2	2455.55
Co 228.615	51.2861	ppb	0.7273	1.4	615.540
Cr 267.716	104.777	ppb	0.5116	0.5	6356.57
Cu 324.754	104.217	ppb	0.1329	0.1	8089.09
Fe 271.441	4961.37	ppb	27.7185	0.6	8802.11
K 766.491	5214.30	ppb	22.5689	0.4	250736
Mg 279.078	4977.94	ppb	16.8528	0.3	14791.7
Mn 257.610	527.142	ppb	2.1337	0.4	132506
Mo 202.032	101.602	ppb	0.5324	0.5	741.364
Na 330.237	4749.10	ppb	183.036	3.9	293.428
Ni 231.604	101.489	ppb	1.3476	1.3	337.185
Pb 220.353	502.815	ppb	1.7027	0.3	843.644
Sb 206.834	51.4005	ppb	2.3238	4.5	75.4195
Se 196.026	100.513	ppb	5.3166	5.3	55.1580
Sn 189.925	199.797	ppb	1.0679	0.5	150.805
Sr 216.596	100.017	ppb	0.1579	0.2	1278.96
Ti 334.941	100.418	ppb	0.4791	0.5	33720.5
Tl 190.794	40.7896	ppb	1.1610	2.8	39.5601
V 292.401	103.821	ppb	0.6753	0.7	3212.27
Zn 206.200	103.127	ppb	1.2238	1.2	118.399

480-74822-c-2-d (Samp) **2/3/2015, 4:30:04 PM** **Rack 1, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-0.0879u	-0.1161u	0.0403u
Al 308.215	48.2266	48.1396	46.7408
As 188.980	5.9151	0.7266	-1.5050u

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Label	Replicates Concentration		
B 249.678	190.300	191.005	190.877
Ba 389.178	-0.2306	0.0847	0.1066
Be 313.042	-0.0148u	-0.0160u	-0.0184u
Ca 370.602	81773	82030	82385
Cd 226.502	0.0661	0.0406	0.0110u
Co 228.615	-0.0149u	0.0462	-0.0257u
Cr 267.716	0.2845	0.3449	0.5564
Cu 324.754	16.5039	16.5013	16.2566
Fe 271.441	24.2571	26.1519	23.0989
K 766.491	19939.1	19856.2	19825.8
Mg 279.078	22025.9	22074.0	22068.4
Mn 257.610	1.4612	1.4713	1.4422
Mo 202.032	0.1044	-0.3671u	0.1499
Na 330.237	227517x	227558x	226719x
Ni 231.604	1.9133	2.7626	3.4418
Pb 220.353	2.6832	-0.4303u	1.0543
Sb 206.834	1.5871	1.9718	1.6445
Se 196.026	0.3755	3.1474	1.9257
Sn 189.925	1.5753	1.5484	-3.0080u
Sr 216.596	137.618	137.060	137.261
Ti 334.941	0.3097	0.2779	0.3046
Tl 190.794	-3.8245u	-4.0646u	-0.7008u
V 292.401	0.5196	0.3277	0.3485
Zn 206.200	15.6297	12.8424	14.7724

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0546b	ppb	0.0833	152.8	-11.5134
Al 308.215	47.7023b	ppb	0.8338	1.7	719.890
As 188.980	1.7122b	ppb	3.8070	222.3	-4.3792
B 249.678	190.727b	ppb	0.3755	0.2	3695.23
Ba 389.178	-0.0131b	ppb	0.1887	1441.7	12.7973
Be 313.042	-0.0164b	ppb	0.0019	11.3	-343.542
Ca 370.602	82063b	ppb	307.3	0.4	244073
Cd 226.502	0.0392b	ppb	0.0275	70.2	22.5120
Co 228.615	0.0019b	ppb	0.0388	2093.5	-4.1801
Cr 267.716	0.3953b	ppb	0.1428	36.1	43.2038
Cu 324.754	16.4206b	ppb	0.1420	0.9	1409.88
Fe 271.441	24.5026b	ppb	1.5412	6.3	54.5749
K 766.491	19873.7b	ppb	58.6865	0.3	954778
Mg 279.078	22056.1b	ppb	26.3100	0.1	65522.5
Mn 257.610	1.4582b	ppb	0.0148	1.0	618.486
Mo 202.032	-0.0376b	ppb	0.2863	760.7	5.9670
Na 330.237	227265xb	ppb	473.356	0.2	12778.1
Ni 231.604	2.7059b	ppb	0.7658	28.3	4.6286
Pb 220.353	1.1024b	ppb	1.5573	141.3	15.3396
Sb 206.834	1.7345b	ppb	0.2076	12.0	2.2264
Se 196.026	1.8162b	ppb	1.3892	76.5	6.2572
Sn 189.925	0.0386b	ppb	2.6384	6840.8	-5.1789
Sr 216.596	137.313b	ppb	0.2828	0.2	1782.03
Ti 334.941	0.2974b	ppb	0.0171	5.7	70.4224
Tl 190.794	-2.8633b	ppb	1.8766	65.5	-11.6209
V 292.401	0.3986b	ppb	0.1053	26.4	3.2602
Zn 206.200	14.4148b	ppb	1.4276	9.9	17.1936

480-74822-c-2-dSD^5 (Samp) **2/3/2015, 4:34:38 PM** **Rack 1, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-0.3103u	-0.1332u	-0.2038u
Al 308.215	12.8356	12.7987	12.1618
As 188.980	1.8046	-1.2465u	-2.2572u
B 249.678	42.1854	41.5709	40.0843
Ba 389.178	-0.8695u	-0.7914u	-0.1570
Be 313.042	-0.0020u	-0.0039u	-0.0086u
Ca 370.602	17879	17564	17097
Cd 226.502	-0.0426u	0.2078	0.0921
Co 228.615	0.4342	-0.4917u	-0.3635u
Cr 267.716	0.5424	0.5771	0.5572
Cu 324.754	3.5005	3.3324	3.2577
Fe 271.441	6.7323	6.9497	8.8979
K 766.491	3805.89	3760.93	3677.60
Mg 279.078	4902.50	4829.07	4716.12
Mn 257.610	0.4261	0.5044	0.4388
Mo 202.032	0.0166	0.3675	-0.0746u
Na 330.237	45422.0	44653.1	43797.9
Ni 231.604	0.3760	1.0110	1.0697
Pb 220.353	0.8111	2.6667	-1.2793u
Sb 206.834	0.9237	-0.5823u	3.4542
Se 196.026	1.9956	1.9339	2.6485
Sn 189.925	1.5544	0.6551	-4.2537u
Sr 216.596	30.6367	29.5439	29.6068
Ti 334.941	0.1935	0.0937	0.1014
Tl 190.794	1.9163	1.5216	2.0563
V 292.401	-0.1099u	-0.0764u	-0.2524u
Zn 206.200	2.5798	2.9920	4.1791

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2158	ppb	0.0892	41.3	-21.9502
Al 308.215	12.5987	ppb	0.3788	3.0	443.783
As 188.980	-0.5664	ppb	2.1146	373.4	-6.0204
B 249.678	41.2802	ppb	1.0803	2.6	824.407
Ba 389.178	-0.6060	ppb	0.3908	64.5	-42.3896
Be 313.042	-0.0048	ppb	0.0034	70.8	-319.622
Ca 370.602	17513	ppb	393.2	2.2	52102
Cd 226.502	0.0858	ppb	0.1253	146.1	25.6388
Co 228.615	-0.1404	ppb	0.5017	357.4	-5.9267
Cr 267.716	0.5589	ppb	0.0174	3.1	48.9524
Cu 324.754	3.3635	ppb	0.1244	3.7	417.294
Fe 271.441	7.5266	ppb	1.1925	15.8	24.4928
K 766.491	3748.14	ppb	65.0922	1.7	180320
Mg 279.078	4815.89	ppb	93.8860	1.9	14324.4
Mn 257.610	0.4564	ppb	0.0420	9.2	214.036
Mo 202.032	0.1032	ppb	0.2334	226.2	6.9879
Na 330.237	44624.3	ppb	812.422	1.8	2533.89
Ni 231.604	0.8189	ppb	0.3847	47.0	-1.7194
Pb 220.353	0.7328	ppb	1.9741	269.4	14.7280
Sb 206.834	1.2652	ppb	2.0398	161.2	1.5262
Se 196.026	2.1926	ppb	0.3960	18.1	6.4424
Sn 189.925	-0.6814	ppb	3.1262	458.8	-5.8029
Sr 216.596	29.9291	ppb	0.6136	2.1	389.262

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.1295	ppb	0.0556	42.9	-3.8628
Tl 190.794	1.8314	ppb	0.2773	15.1	-6.0532
V 292.401	-0.1462	ppb	0.0935	63.9	-12.4407
Zn 206.200	3.2503	ppb	0.8304	25.5	4.4062

480-74822-c-2-dPDS (Samp) **2/3/2015, 4:39:12 PM** **Rack 1, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	84.7083	84.5623	84.5046
Al 308.215	987.393	985.468	985.541
As 188.980	102.172	102.727	96.0222
B 249.678	370.231	369.799	369.060
Ba 389.178	80.9549	80.6328	80.5321
Be 313.042	92.6872	92.7041	92.6879
Ca 370.602	91173	91071	91030
Cd 226.502	90.1308	90.0619	90.0003
Co 228.615	90.6100	90.6664	88.8443
Cr 267.716	93.6557	93.7586	93.7723
Cu 324.754	112.366	112.417	112.539
Fe 271.441	8927.29	8935.85	8927.11
K 766.491	30941.0	30948.9	30943.1
Mg 279.078	30771.6	30751.4	30704.5
Mn 257.610	945.930	946.020	944.560
Mo 202.032	93.3369	91.9315	92.0083
Na 330.237	236800x	237701x	236975x
Ni 231.604	91.7748	90.9140	90.4434
Pb 220.353	90.8191	87.5763	89.5343
Sb 206.834	91.8270	93.8773	89.9512
Se 196.026	101.105	104.752	94.1297
Sn 189.925	89.8577	89.4253	87.9163
Sr 216.596	224.535	224.551	224.767
Ti 334.941	90.5101	90.4682	90.5501
Tl 190.794	15.8658	13.5452	18.7021
V 292.401	95.8273	95.6357	96.1759
Zn 206.200	122.443	121.751	119.357

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	84.5918b	ppb	0.1050	0.1	7866.36
Al 308.215	986.134b	ppb	1.0908	0.1	8116.90
As 188.980	100.307b	ppb	3.7210	3.7	66.5467
B 249.678	369.696b	ppb	0.5921	0.2	7110.92
Ba 389.178	80.7066b	ppb	0.2208	0.3	2071.96
Be 313.042	92.6931b	ppb	0.0095	0.0	195930
Ca 370.602	91091b	ppb	73.60	0.1	270895
Cd 226.502	90.0643b	ppb	0.0653	0.1	4328.82
Co 228.615	90.0403b	ppb	1.0361	1.2	1084.47
Cr 267.716	93.7289b	ppb	0.0638	0.1	5697.48
Cu 324.754	112.441b	ppb	0.0888	0.1	8715.79
Fe 271.441	8930.08b	ppb	4.9963	0.1	15832.9
K 766.491	30944.3b	ppb	4.0799	0.0	1486464
Mg 279.078	30742.5b	ppb	34.4601	0.1	91296.5
Mn 257.610	945.503b	ppb	0.8182	0.1	237817
Mo 202.032	92.4256b	ppb	0.7902	0.9	674751

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	237159xb	ppb	477.289	0.2	13328.0
Ni 231.604	91.0441b	ppb	0.6751	0.7	302.319
Pb 220.353	89.3099b	ppb	1.6330	1.8	161.590
Sb 206.834	91.8852b	ppb	1.9637	2.1	135.423
Se 196.026	99.9955b	ppb	5.3972	5.4	55.0451
Sn 189.925	89.0664b	ppb	1.0192	1.1	64.3765
Sr 216.596	224.617b	ppb	0.1297	0.1	2905.39
Ti 334.941	90.5095b	ppb	0.0410	0.0	30419.9
Tl 190.794	16.0377b	ppb	2.5827	16.1	9.9027
V 292.401	95.8796b	ppb	0.2739	0.3	2962.91
Zn 206.200	121.184b	ppb	1.6190	1.3	138.958

480-74822-c-2-e ms (Samp) **2/3/2015, 4:43:46 PM** **Rack 1, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	50.4238	49.5834	49.8889
Al 308.215	4970.52	4968.66	4970.34
As 188.980	108.769	98.8896	101.612
B 249.678	373.096	373.587	374.443
Ba 389.178	93.3675	93.4509	92.9964
Be 313.042	49.0700	48.9405	49.0142
Ca 370.602	83630	83593	84033
Cd 226.502	48.0774	47.7541	47.8577
Co 228.615	47.6460	47.7031	47.1234
Cr 267.716	98.0980	98.0899	98.1396
Cu 324.754	116.255	116.521	116.458
Fe 271.441	4651.03	4640.72	4652.44
K 766.491	24955.2	24903.2	24905.8
Mg 279.078	26044.2	26067.3	26044.6
Mn 257.610	493.320	492.368	493.037
Mo 202.032	95.9695	95.6596	95.6360
Na 330.237	225674x	225117x	224288x
Ni 231.604	94.4883	95.5198	95.2486
Pb 220.353	464.459	467.943	465.333
Sb 206.834	49.8066	51.9515	47.3395
Se 196.026	99.6285	97.4868	100.476
Sn 189.925	187.640	189.213	190.256
Sr 216.596	225.336	225.597	225.328
Ti 334.941	94.6795	94.4873	94.4638
Tl 190.794	36.6222	40.9075	38.3256
V 292.401	97.9246	97.8314	97.7832
Zn 206.200	106.773	108.438	109.029

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.9654b	ppb	0.4254	0.9	4642.28
Al 308.215	4969.84b	ppb	1.0284	0.0	39442.6
As 188.980	103.090b	ppb	5.1029	4.9	68.5808
B 249.678	373.709b	ppb	0.6815	0.2	7198.72
Ba 389.178	93.2716b	ppb	0.2419	0.3	2373.40
Be 313.042	49.0082b	ppb	0.0650	0.1	103441
Ca 370.602	83752b	ppb	243.6	0.3	249104
Cd 226.502	47.8964b	ppb	0.1651	0.3	2311.15
Co 228.615	47.4908b	ppb	0.3195	0.7	569.683

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	98.1092b	ppb	0.0267	0.0	5957.95
Cu 324.754	116.411b	ppb	0.1392	0.1	9015.83
Fe 271.441	4648.06b	ppb	6.3951	0.1	8246.92
K 766.491	24921.4b	ppb	29.2840	0.1	1197202
Mg 279.078	26052.0b	ppb	13.2428	0.1	77375.9
Mn 257.610	492.909b	ppb	0.4889	0.1	124094
Mo 202.032	95.7550b	ppb	0.1861	0.2	699.064
Na 330.237	225026xb	ppb	697.523	0.3	12649.0
Ni 231.604	95.0855b	ppb	0.5347	0.6	315.630
Pb 220.353	465.911b	ppb	1.8125	0.4	782.713
Sb 206.834	49.6992b	ppb	2.3079	4.6	72.9128
Se 196.026	99.1971b	ppb	1.5406	1.6	54.4972
Sn 189.925	189.036b	ppb	1.3169	0.7	142.473
Sr 216.596	225.420b	ppb	0.1532	0.1	2906.70
Ti 334.941	94.5435b	ppb	0.1183	0.1	31767.5
Tl 190.794	38.6185b	ppb	2.1576	5.6	37.0202
V 292.401	97.8464b	ppb	0.0719	0.1	3025.28
Zn 206.200	108.080b	ppb	1.1698	1.1	124.098

480-74822-c-2-f msd (Samp) **2/3/2015, 4:48:20 PM** **Rack 1, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	50.1640	50.1144	49.8679
Al 308.215	5076.77	5068.46	5073.64
As 188.980	106.958	102.583	107.329
B 249.678	376.471	376.765	377.135
Ba 389.178	95.1185	95.8622	95.6064
Be 313.042	50.2540	50.2006	50.3652
Ca 370.602	83926	83744	83591
Cd 226.502	48.9160	48.3775	48.7840
Co 228.615	48.1894	47.7558	49.1443
Cr 267.716	100.509	100.239	100.663
Cu 324.754	118.713	118.974	119.487
Fe 271.441	4745.89	4739.10	4741.40
K 766.491	24990.9	24945.9	25009.7
Mg 279.078	26022.8	25987.6	25998.1
Mn 257.610	503.127	502.723	503.271
Mo 202.032	97.3989	97.5834	96.5634
Na 330.237	224454x	223715x	224407x
Ni 231.604	97.8539	96.9142	97.9314
Pb 220.353	479.416	475.388	473.113
Sb 206.834	51.6308	48.8427	48.3506
Se 196.026	95.8779	98.9534	108.190
Sn 189.925	196.414	194.284	193.861
Sr 216.596	224.778	225.227	225.559
Ti 334.941	96.3451	96.4791	96.7305
Tl 190.794	39.0066	38.5863	36.8646
V 292.401	100.212	100.074	100.381
Zn 206.200	111.277	110.670	107.951

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0488b	ppb	0.1586	0.3	4650.12
Al 308.215	5072.96b	ppb	4.1950	0.1	40253.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	105.623b	ppb	2.6394	2.5	70.4041
B 249.678	376.790b	ppb	0.3327	0.1	7257.68
Ba 389.178	95.5290b	ppb	0.3779	0.4	2430.14
Be 313.042	50.2733b	ppb	0.0839	0.2	106119
Ca 370.602	83754b	ppb	167.8	0.2	249110
Cd 226.502	48.6925b	ppb	0.2807	0.6	2349.30
Co 228.615	48.3631b	ppb	0.7103	1.5	580.245
Cr 267.716	100.471b	ppb	0.2149	0.2	6100.85
Cu 324.754	119.058b	ppb	0.3937	0.3	9217.07
Fe 271.441	4742.13b	ppb	3.4548	0.1	8413.56
K 766.491	24982.2b	ppb	32.7921	0.1	1200121
Mg 279.078	26002.8b	ppb	18.0709	0.1	77229.5
Mn 257.610	503.040b	ppb	0.2838	0.1	126639
Mo 202.032	97.1819b	ppb	0.5435	0.6	709.386
Na 330.237	224192xb	ppb	413.944	0.2	12602.2
Ni 231.604	97.5665b	ppb	0.5662	0.6	323.981
Pb 220.353	475.972b	ppb	3.1918	0.7	799.324
Sb 206.834	49.6080b	ppb	1.7690	3.6	72.7907
Se 196.026	101.007b	ppb	6.4077	6.3	55.3940
Sn 189.925	194.853b	ppb	1.3684	0.7	147.016
Sr 216.596	225.188b	ppb	0.3921	0.2	2903.64
Ti 334.941	96.5182b	ppb	0.1956	0.2	32431.5
Tl 190.794	38.1525b	ppb	1.1350	3.0	36.4591
V 292.401	100.222b	ppb	0.1540	0.2	3099.24
Zn 206.200	109.966b	ppb	1.7712	1.6	126.251

480-74822-c-3-b (Samp) **2/3/2015, 4:59:58 PM** **Rack 1, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-0.2504u	-0.2031u	-0.4550u
Al 308.215	172.681	171.232	171.272
As 188.980	1.5046	2.0470	-2.0942u
B 249.678	6.3199	6.8721	6.0509
Ba 389.178	14.2674	14.7655	14.1973
Be 313.042	0.0189	0.0220	0.0229
Ca 370.602	51947	51924	51633
Cd 226.502	0.1368	0.0864	0.0867
Co 228.615	0.7005	0.2136	0.1836
Cr 267.716	0.7393	0.7145	0.6538
Cu 324.754	3.1316	2.9425	2.8163
Fe 271.441	785.500	790.071	786.985
K 766.491	865.104	867.927	863.626
Mg 279.078	13046.9	13067.8	13060.8
Mn 257.610	453.220	454.163	453.848
Mo 202.032	0.4116	-0.0953u	0.1140
Na 330.237	27939.5	28141.0	28147.1
Ni 231.604	2.0028	2.3470	1.5358
Pb 220.353	-0.2894u	2.2223	0.4270
Sb 206.834	-0.5751u	3.6995	2.7730
Se 196.026	4.4137	6.5308	-1.0450u
Sn 189.925	-2.9605u	-2.6245u	-1.0424u
Sr 216.596	88.6922	89.2354	88.3289
Ti 334.941	5.2619	5.2784	5.2465

Label	Replicates Concentration		
Tl 190.794	-2.7008u	-0.2516u	1.0379
V 292.401	0.2232	-0.0068u	0.1823
Zn 206.200	12.7326	13.4498	9.0782

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3028	ppb	0.1339	44.2	-30.0880
Al 308.215	171.728	ppb	0.8248	0.5	1695.22
As 188.980	0.4858	ppb	2.2507	463.3	-5.2681
B 249.678	6.4143	ppb	0.4186	6.5	152.532
Ba 389.178	14.4101	ppb	0.3098	2.1	355.242
Be 313.042	0.0213	ppb	0.0021	9.8	-248.648
Ca 370.602	51835	ppb	175.3	0.3	154180
Cd 226.502	0.1033	ppb	0.0290	28.1	30.6729
Co 228.615	0.3659	ppb	0.2902	79.3	0.3662
Cr 267.716	0.7025	ppb	0.0440	6.3	60.1693
Cu 324.754	2.9635	ppb	0.1587	5.4	387.226
Fe 271.441	787.519	ppb	2.3317	0.3	1405.41
K 766.491	865.552	ppb	2.1854	0.3	41879.4
Mg 279.078	13058.5	ppb	10.6826	0.1	38792.1
Mn 257.610	453.744	ppb	0.4797	0.1	114130
Mo 202.032	0.1434	ppb	0.2547	177.6	7.2401
Na 330.237	28075.9	ppb	118.129	0.4	1605.27
Ni 231.604	1.9618	ppb	0.4072	20.8	2.1956
Pb 220.353	0.7866	ppb	1.2939	164.5	14.9637
Sb 206.834	1.9658	ppb	2.2487	114.4	2.5794
Se 196.026	3.2998	ppb	3.9088	118.5	7.1088
Sn 189.925	-2.2091	ppb	1.0243	46.4	-7.0019
Sr 216.596	88.7522	ppb	0.4562	0.5	1152.80
Ti 334.941	5.2623	ppb	0.0159	0.3	1740.33
Tl 190.794	-0.6382	ppb	1.8991	297.6	-8.8607
V 292.401	0.1329	ppb	0.1227	92.3	-3.7356
Zn 206.200	11.7535	ppb	2.3445	19.9	14.1166

680-109459-e-1-b (Samp) **2/3/2015, 5:04:33 PM** **Rack 1, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-0.2817u	-0.4446u	-0.0734u
Al 308.215	6.6805	7.3775	7.2513
As 188.980	-2.0441u	-1.1831u	-0.8035u
B 249.678	5.7081	5.2086	5.3907
Ba 389.178	6.7650	6.3131	7.6239
Be 313.042	0.0038	0.0045	0.0042
Ca 370.602	22224	22241	22261
Cd 226.502	-0.0076	-0.1728u	-0.1108
Co 228.615	0.3766	-0.1943u	-0.4396u
Cr 267.716	0.8619	0.8513	0.7022
Cu 324.754	0.1863	0.1865	0.1524
Fe 271.441	1107.27	1111.74	1102.82
K 766.491	1245.85	1246.14	1247.40
Mg 279.078	5351.24	5365.53	5358.53
Mn 257.610	557.325	558.593	557.945
Mo 202.032	0.4674	-0.0919u	-0.2261u
Na 330.237	9941.69	9873.85	9976.55

Label	Replicates Concentration		
Ni 231.604	-0.3295u	1.4208	0.0764
Pb 220.353	0.3004	-2.0925u	-2.0439u
Sb 206.834	-0.4255u	1.0090	3.0165
Se 196.026	3.1508	10.0194	4.5550
Sn 189.925	-0.9808u	-1.9320u	-1.0789u
Sr 216.596	128.067	128.716	128.041
Ti 334.941	0.1448	0.1298	0.1463
Tl 190.794	0.8257	0.8313	-2.2735u
V 292.401	-0.1410u	-0.1959u	-0.0859u
Zn 206.200	5.3593	4.4170	3.8953

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2665	ppb	0.1861	69.8	-27.3935
Al 308.215	7.1031	ppb	0.3714	5.2	400.711
As 188.980	-1.3436	ppb	0.6357	47.3	-6.5880
B 249.678	5.4358	ppb	0.2528	4.7	132.952
Ba 389.178	6.9007	ppb	0.6659	9.6	148.637
Be 313.042	0.0042	ppb	0.0004	8.9	-294.335
Ca 370.602	22242	ppb	18.89	0.1	66169
Cd 226.502	-0.0971	ppb	0.0835	86.0	22.8112
Co 228.615	-0.0858	ppb	0.4188	488.2	-5.1826
Cr 267.716	0.8051	ppb	0.0893	11.1	66.6827
Cu 324.754	0.1751	ppb	0.0196	11.2	175.390
Fe 271.441	1107.28	ppb	4.4597	0.4	1971.41
K 766.491	1246.46	ppb	0.8265	0.1	60173.2
Mg 279.078	5358.43	ppb	7.1499	0.1	15923.1
Mn 257.610	557.954	ppb	0.6341	0.1	140235
Mo 202.032	0.0498	ppb	0.3678	738.1	6.5470
Na 330.237	9930.69	ppb	52.2269	0.5	587.572
Ni 231.604	0.3893	ppb	0.9161	235.4	-3.0626
Pb 220.353	-1.2787	ppb	1.3677	107.0	11.6048
Sb 206.834	1.2000	ppb	1.7289	144.1	1.4574
Se 196.026	5.9084	ppb	3.6288	61.4	8.4249
Sn 189.925	-1.3306	ppb	0.5232	39.3	-6.3217
Sr 216.596	128.275	ppb	0.3822	0.3	1644.29
Ti 334.941	0.1403	ppb	0.0092	6.5	4.2637
Tl 190.794	-0.2055	ppb	1.7909	871.6	-8.3462
V 292.401	-0.1409	ppb	0.0550	39.0	-12.3977
Zn 206.200	4.5572	ppb	0.7420	16.3	5.8618

680-109459-e-2-b (Samp) **2/3/2015, 5:09:08 PM** **Rack 1, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	0.0376	0.1325	-0.0618u
Al 308.215	4.7249	4.6960	5.7514
As 188.980	2.7216	-0.8715u	0.6321
B 249.678	4.6566	5.0513	4.4787
Ba 389.178	2.7643	2.5748	2.7863
Be 313.042	0.0649	0.0669	0.0766
Ca 370.602	639.2	645.8	648.6
Cd 226.502	0.0081	0.0707	-0.0308u
Co 228.615	8.7421	9.4693	8.9449
Cr 267.716	0.4266	0.4451	0.3254

Label	Replicates Concentration		
Cu 324.754	0.5008	0.6500	0.5997
Fe 271.441	176.593	171.191	173.711
K 766.491	1556.11	1559.59	1568.82
Mg 279.078	5436.96	5437.98	5481.99
Mn 257.610	109.940	109.705	110.704
Mo 202.032	0.0429	0.4663	0.3683
Na 330.237	2562.47	2745.68	2656.54
Ni 231.604	14.3714	13.9250	13.9011
Pb 220.353	-1.4452u	0.8201	-1.0660u
Sb 206.834	1.7800	3.0140	1.5820
Se 196.026	3.4922	3.0574	9.5022
Sn 189.925	1.0257	0.8319	0.7510
Sr 216.596	9.2288	9.0530	8.9597
Ti 334.941	0.0906	0.0290	0.0369
Tl 190.794	-0.7942u	1.4726	-0.4730u
V 292.401	-0.2838u	-0.0966u	-0.0278u
Zn 206.200	58.8417	60.8453	59.6721

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0361	ppb	0.0971	268.9	2.9112
Al 308.215	5.0574	ppb	0.6012	11.9	384.437
As 188.980	0.8274	ppb	1.8045	218.1	-5.0177
B 249.678	4.7289	ppb	0.2931	6.2	121.816
Ba 389.178	2.7084	ppb	0.1163	4.3	42.6132
Be 313.042	0.0695	ppb	0.0063	9.0	-163.578
Ca 370.602	644.5	ppb	4.821	0.7	1935
Cd 226.502	0.0160	ppb	0.0512	320.3	23.5059
Co 228.615	9.0521	ppb	0.3753	4.1	105.209
Cr 267.716	0.3991	ppb	0.0644	16.1	39.0183
Cu 324.754	0.5835	ppb	0.0759	13.0	206.036
Fe 271.441	173.832	ppb	2.7027	1.6	320.076
K 766.491	1561.51	ppb	6.5657	0.4	75303.7
Mg 279.078	5452.31	ppb	25.7080	0.5	16211.9
Mn 257.610	110.116	ppb	0.5221	0.5	27760.6
Mo 202.032	0.2925	ppb	0.2216	75.8	8.3498
Na 330.237	2654.89	ppb	91.6158	3.5	178.354
Ni 231.604	14.0659	ppb	0.2649	1.9	42.8247
Pb 220.353	-0.5637	ppb	1.2133	215.2	12.6203
Sb 206.834	2.1254	ppb	0.7759	36.5	2.7977
Se 196.026	5.3506	ppb	3.6020	67.3	8.0301
Sn 189.925	0.8695	ppb	0.1412	16.2	-4.6054
Sr 216.596	9.0805	ppb	0.1367	1.5	116.963
Ti 334.941	0.0522	ppb	0.0335	64.2	-24.6058
Tl 190.794	0.0685	ppb	1.2266	1791.2	-8.0848
V 292.401	-0.1361	ppb	0.1325	97.4	-11.8204
Zn 206.200	59.7863	ppb	1.0067	1.7	69.1580

680-109459-e-3-b (Samp) **2/3/2015, 5:13:44 PM** **Rack 1, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	-0.1875u	-0.1992u	-0.0173u
Al 308.215	272.886	274.128	272.115
As 188.980	2.9662	-2.2593u	2.1278

Label	Replicates Concentration		
B 249.678	6.2087	6.3654	6.3046
Ba 389.178	39.8500	40.4164	40.2330
Be 313.042	0.0270	0.0263	0.0242
Ca 370.602	5279	5321	5298
Cd 226.502	-0.0427u	0.0499	-0.0073
Co 228.615	1.1126	1.2988	1.5207
Cr 267.716	1.2114	1.3615	1.2686
Cu 324.754	1.3880	1.2506	1.4188
Fe 271.441	323.420	326.509	324.108
K 766.491	637.349	643.123	640.352
Mg 279.078	1418.15	1425.84	1422.40
Mn 257.610	63.6314	64.1910	64.0011
Mo 202.032	-0.2970u	0.1375	-0.0186u
Na 330.237	3295.66	3181.99	3116.10
Ni 231.604	0.8901	0.4045	1.2701
Pb 220.353	-1.4076u	0.5273	-2.7509u
Sb 206.834	3.0698	0.3141	1.9509
Se 196.026	2.3338	2.1174	0.4568
Sn 189.925	0.8565	-3.2844u	2.2842
Sr 216.596	24.0740	24.4718	24.0773
Ti 334.941	3.5097	3.1793	3.2334
Tl 190.794	-0.6454u	-1.3750u	-0.4210u
V 292.401	0.6701	0.6363	0.5899
Zn 206.200	3.8056	4.7584	4.4063

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1347	ppb	0.1018	75.6	-13.7778
Al 308.215	273.043	ppb	1.0159	0.4	2491.90
As 188.980	0.9449	ppb	2.8064	297.0	-4.9341
B 249.678	6.2929	ppb	0.0790	1.3	151.455
Ba 389.178	40.1664	ppb	0.2890	0.7	975.547
Be 313.042	0.0258	ppb	0.0015	5.8	-253.819
Ca 370.602	5299	ppb	21.25	0.4	15777
Cd 226.502	-0.0000	ppb	0.0467	129818.5	23.4253
Co 228.615	1.3107	ppb	0.2043	15.6	11.7138
Cr 267.716	1.2805	ppb	0.0758	5.9	92.1844
Cu 324.754	1.3525	ppb	0.0896	6.6	264.536
Fe 271.441	324.679	ppb	1.6214	0.5	586.146
K 766.491	640.275	ppb	2.8877	0.5	31060.0
Mg 279.078	1422.13	ppb	3.8526	0.3	4244.50
Mn 257.610	63.9412	ppb	0.2846	0.4	16128.9
Mo 202.032	-0.0594	ppb	0.2201	370.6	5.7944
Na 330.237	3197.92	ppb	90.8351	2.8	210.134
Ni 231.604	0.8549	ppb	0.4338	50.7	-1.5727
Pb 220.353	-1.2104	ppb	1.6480	136.2	11.5516
Sb 206.834	1.7782	ppb	1.3859	77.9	2.3048
Se 196.026	1.6360	ppb	1.0269	62.8	6.1864
Sn 189.925	-0.0479	ppb	2.8924	6040.4	-5.3219
Sr 216.596	24.2077	ppb	0.2287	0.9	311.938
Ti 334.941	3.3075	ppb	0.1772	5.4	1061.68
Tl 190.794	-0.8138	ppb	0.4988	61.3	-9.2027
V 292.401	0.6321	ppb	0.0402	6.4	12.1483
Zn 206.200	4.3234	ppb	0.4818	11.1	5.6220

Cont Calib Verif (CCV) **2/3/2015, 5:18:18 PM** **Rack 1, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	477.059	477.163	476.288
Al 308.215	4747.41	4711.49	4722.23
As 188.980	484.851	490.720	489.452
B 249.678	479.327	476.060	477.374
Ba 389.178	4842.07	4817.21	4829.28
Be 313.042	488.046	485.735	487.462
Ca 370.602	4953	4908	4897
Cd 226.502	490.484	485.717	486.658
Co 228.615	494.680	491.499	492.411
Cr 267.716	4978.63	4951.50	4958.60
Cu 324.754	4987.44	4952.69	4989.52
Fe 271.441	4772.37	4747.89	4760.60
K 766.491	10241.3	10173.8	10241.6
Mg 279.078	4900.10	4857.00	4869.18
Mn 257.610	4966.08	4916.39	4959.06
Mo 202.032	488.565	486.380	487.083
Na 330.237	7405.81	7095.72	7265.17
Ni 231.604	2434.65	2433.61	2415.89
Pb 220.353	489.753	481.907	479.311
Sb 206.834	964.485	955.577	959.259
Se 196.026	4887.53	4861.26	4875.46
Sn 189.925	4908.78	4921.46	4865.36
Sr 216.596	2411.62	2393.11	2398.42
Ti 334.941	473.622	471.170	472.777
Tl 190.794	4975.55	4946.82	4943.40
V 292.401	4889.54	4859.50	4872.43
Zn 206.200	2451.93	2434.56	2435.08

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	476.837	ppb	0.4783	0.1	44325.3	95.36730
Al 308.215	4727.04	ppb	18.4390	0.4	38283.1	94.54083
As 188.980	488.341	ppb	3.0880	0.6	345.955	97.66819
B 249.678	477.587	ppb	1.6436	0.3	9209.38	95.51738
Ba 389.178	4829.52	ppb	12.4307	0.3	121473	96.59041
Be 313.042	487.081	ppb	1.2017	0.2	1031151	97.41626
Ca 370.602	4919	ppb	29.67	0.6	14987	98.38327
Cd 226.502	487.620	ppb	2.5246	0.5	23125.5	97.52393
Co 228.615	492.863	ppb	1.6381	0.3	5959.40	98.57265
Cr 267.716	4962.91	ppb	14.0656	0.3	300206	99.25816
Cu 324.754	4976.55	ppb	20.6916	0.4	378428	99.53100
Fe 271.441	4760.29	ppb	12.2432	0.3	8548.57	95.20570
K 766.491	10218.9	ppb	39.0958	0.4	491090	102.18906
Mg 279.078	4875.42	ppb	22.2173	0.5	14387.5	97.50850
Mn 257.610	4947.18	ppb	26.8910	0.5	1242566	98.94354
Mo 202.032	487.343	ppb	1.1151	0.2	3528.22	97.46851
Na 330.237	7255.57	ppb	155.268	2.1	376.879	96.74088
Ni 231.604	2428.05	ppb	10.5454	0.4	8160.85	97.12208
Pb 220.353	483.657	ppb	5.4363	1.1	816.171	96.73145
Sb 206.834	959.774	ppb	4.4759	0.5	1478.40	95.97738
Se 196.026	4874.75	ppb	13.1488	0.3	2413.10	97.49502
Sn 189.925	4898.53	ppb	29.4215	0.6	3821.64	97.97064
Sr 216.596	2401.05	ppb	9.5330	0.4	30494.1	96.04195

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	472.523	ppb	1.2454	0.3	158831	94.50459
Tl 190.794	4955.26	ppb	17.6574	0.4	5878.82	99.10513
V 292.401	4873.83	ppb	15.0717	0.3	152200	97.47650
Zn 206.200	2440.52	ppb	9.8830	0.4	2785.36	97.62089

Cont Calib Blank (CCB) **2/3/2015, 5:22:51 PM** **Rack 1, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.0654	-0.1518u	0.0056
Al 308.215	0.4532	2.1093	1.3615
As 188.980	1.5001	-0.7199u	-2.7990u
B 249.678	1.8457	1.7879	1.6418
Ba 389.178	-0.1597u	-0.7574u	0.2423
Be 313.042	0.0115	0.0167	0.0185
Ca 370.602	-2.351u	-0.9827u	-1.523u
Cd 226.502	0.0026	0.0489	-0.0410u
Co 228.615	0.2852	0.4036	0.2404
Cr 267.716	-0.0166u	0.1013	0.1554
Cu 324.754	-0.0448u	0.0188	0.2285
Fe 271.441	-2.1311u	-2.2977u	-6.2554u
K 766.491	0.3489	1.1742	1.1202
Mg 279.078	-0.3732u	-2.0779u	1.3793
Mn 257.610	0.1025	0.1819	0.2038
Mo 202.032	-0.0701u	0.2635	-0.2151u
Na 330.237	-64.1902u	-25.7777u	-14.5272u
Ni 231.604	0.2127	-0.3606u	-0.8289u
Pb 220.353	-1.6554u	1.2038	-1.9726u
Sb 206.834	2.5725	1.5410	1.0748
Se 196.026	-0.3937u	1.5737	-1.3825u
Sn 189.925	-0.2204u	-0.5112u	-0.4129u
Sr 216.596	0.0505	0.2989	0.2147
Ti 334.941	0.1153	0.0644	0.0832
Tl 190.794	1.6334	0.5983	2.7212
V 292.401	-0.0071u	0.0849	0.1383
Zn 206.200	0.4918	1.5768	0.3918

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0269	ppb	0.1122	416.9	-3.1138	-0.02691
Al 308.215	1.3080	ppb	0.8293	63.4	355.020	1.30802
As 188.980	-0.6729	ppb	2.1499	319.5	-6.0971	-0.67292
B 249.678	1.7585	ppb	0.1051	6.0	65.2076	1.75846
Ba 389.178	-0.2250	ppb	0.5030	223.6	-44.0620	-0.22495
Be 313.042	0.0156	ppb	0.0036	23.3	-277.195	0.01557
Ca 370.602	-1.619	ppb	0.6889	42.6	12.34	-1.61859
Cd 226.502	0.0035	ppb	0.0450	1291.4	21.9327	0.00348
Co 228.615	0.3097	ppb	0.0843	27.2	-0.4872	0.30974
Cr 267.716	0.0800	ppb	0.0880	109.9	18.9645	0.08004
Cu 324.754	0.0675	ppb	0.1430	211.8	166.716	0.06750
Fe 271.441	-3.5614	ppb	2.3346	65.6	4.8959	-3.56140
K 766.491	0.8811	ppb	0.4617	52.4	352.049	0.88110
Mg 279.078	-0.3573	ppb	1.7286	483.8	21.7236	-0.35729
Mn 257.610	0.1627	ppb	0.0533	32.8	97.5291	0.16272
Mo 202.032	-0.0072	ppb	0.2454	3391.8	6.1890	-0.00724

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-34.8317	ppb	26.0401	74.8	28.9882	-34.83173
Ni 231.604	-0.3256	ppb	0.5217	160.2	-5.5704	-0.32562
Pb 220.353	-0.8081	ppb	1.7495	216.5	12.1839	-0.80806
Sb 206.834	1.7294	ppb	0.7664	44.3	2.2092	1.72942
Se 196.026	-0.0675	ppb	1.5049	2229.2	5.3265	-0.06751
Sn 189.925	-0.3815	ppb	0.1479	38.8	-5.5836	-0.38150
Sr 216.596	0.1881	ppb	0.1263	67.2	3.6873	0.18805
Ti 334.941	0.0876	ppb	0.0257	29.4	-23.5596	0.08762
Tl 190.794	1.6510	ppb	1.0616	64.3	-6.2640	1.65098
V 292.401	0.0720	ppb	0.0735	102.1	-5.2068	0.07200
Zn 206.200	0.8201	ppb	0.6572	80.1	1.6241	0.82014

680-109459-e-4-b (Samp) **2/3/2015, 5:27:24 PM** **Rack 1, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-0.3254u	-0.1413u	-0.1345u
Al 308.215	242.606	242.250	242.434
As 188.980	2.1135	-1.9178u	2.0472
B 249.678	6.7504	6.8604	6.6074
Ba 389.178	43.7146	44.2282	44.2307
Be 313.042	0.0362	0.0420	0.0350
Ca 370.602	5444	5442	5436
Cd 226.502	-0.0787u	0.0119	-0.0303
Co 228.615	1.9290	2.0785	2.4140
Cr 267.716	0.6970	0.9398	0.8921
Cu 324.754	1.3368	1.5713	1.8695
Fe 271.441	339.139	348.696	340.849
K 766.491	644.579	646.889	651.204
Mg 279.078	1463.65	1462.80	1466.15
Mn 257.610	117.899	118.034	118.264
Mo 202.032	-0.2064u	0.2950	0.3435
Na 330.237	3322.37	3318.98	3247.18
Ni 231.604	0.8490	0.2125	0.8685
Pb 220.353	1.1009	0.2957	1.2853
Sb 206.834	5.1948	2.1696	2.1599
Se 196.026	-0.4405u	3.4505	-0.5271u
Sn 189.925	-0.0918u	-0.3991u	-1.3313u
Sr 216.596	24.7103	24.9916	24.7720
Ti 334.941	1.9494	2.1021	2.0624
Tl 190.794	-0.9343u	-0.8241u	-1.5656u
V 292.401	0.6888	0.7873	0.6979
Zn 206.200	2.8399	3.4552	4.2030

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2004	ppb	0.1083	54.0	-19.6146
Al 308.215	242.430	ppb	0.1777	0.1	2251.20
As 188.980	0.7476	ppb	2.3086	308.8	-5.0763
B 249.678	6.7394	ppb	0.1269	1.9	160.036
Ba 389.178	44.0578	ppb	0.2973	0.7	1073.54
Be 313.042	0.0377	ppb	0.0037	9.9	-228.620
Ca 370.602	5441	ppb	4.180	0.1	16199
Cd 226.502	-0.0324	ppb	0.0454	140.3	21.9907
Co 228.615	2.1405	ppb	0.2483	11.6	21.7126

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.8430	ppb	0.1286	15.3	66.0214
Cu 324.754	1.5925	ppb	0.2670	16.8	282.801
Fe 271.441	342.895	ppb	5.0965	1.5	618.501
K 766.491	647.557	ppb	3.3624	0.5	31409.8
Mg 279.078	1464.20	ppb	1.7417	0.1	4368.23
Mn 257.610	118.066	ppb	0.1843	0.2	29722.3
Mo 202.032	0.1440	ppb	0.3044	211.4	7.2660
Na 330.237	3296.18	ppb	42.4630	1.3	215.661
Ni 231.604	0.6433	ppb	0.3733	58.0	-2.2847
Pb 220.353	0.8940	ppb	0.5262	58.9	15.0378
Sb 206.834	3.1747	ppb	1.7494	55.1	4.3602
Se 196.026	0.8277	ppb	2.2719	274.5	5.8009
Sn 189.925	-0.6074	ppb	0.6454	106.3	-5.7590
Sr 216.596	24.8246	ppb	0.1479	0.6	319.891
Ti 334.941	2.0380	ppb	0.0792	3.9	634.928
Tl 190.794	-1.1080	ppb	0.4001	36.1	-9.5226
V 292.401	0.7247	ppb	0.0545	7.5	15.0077
Zn 206.200	3.4994	ppb	0.6826	19.5	4.6785

680-109459-e-5-b (Samp) **2/3/2015, 5:31:57 PM** **Rack 1, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	0.2994	-0.4183u	-0.0324u
Al 308.215	3.9959	4.9317	3.5748
As 188.980	0.2154	1.2879	0.6813
B 249.678	1.1429	0.6316	1.0068
Ba 389.178	-0.6163u	-1.2002u	-0.5154u
Be 313.042	0.0003	-0.0014u	-0.0019u
Ca 370.602	8.284	6.941	12.30
Cd 226.502	0.1280	0.0673	0.1199
Co 228.615	-0.2235u	0.1453	0.3081
Cr 267.716	1.2811	1.0155	1.1551
Cu 324.754	0.4470	0.1933	0.1633
Fe 271.441	5.4099	8.0680	9.2455
K 766.491	0.7460	1.1237	1.2589
Mg 279.078	1.5996	0.6806	1.1404
Mn 257.610	0.1720	0.1717	0.1706
Mo 202.032	-0.2636u	-0.0242u	0.1628
Na 330.237	59.1476	-28.7954u	-10.2438u
Ni 231.604	0.4834	-0.0503u	0.5487
Pb 220.353	1.1771	-0.1970u	-2.1071u
Sb 206.834	2.0418	0.4574	2.6110
Se 196.026	1.9215	3.5046	0.2137
Sn 189.925	-2.3744u	-0.4105u	0.9821
Sr 216.596	0.3741	0.0900	0.1774
Ti 334.941	0.1233	0.1156	0.1539
Tl 190.794	-1.4412u	1.9877	-0.4840u
V 292.401	-0.0291u	-0.1651u	-0.1825u
Zn 206.200	1.4119	2.1923	2.2831

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0504	ppb	0.3592	712.3	-5.3011
Al 308.215	4.1675	ppb	0.6945	16.7	377.486

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.7282	ppb	0.5378	73.9	-5.0879
B 249.678	0.9271	ppb	0.2648	28.6	49.2069
Ba 389.178	-0.7773	ppb	0.3697	47.6	-57.9401
Be 313.042	-0.0010	ppb	0.0012	115.8	-312.268
Ca 370.602	9.176	ppb	2.791	30.4	44.34
Cd 226.502	0.1050	ppb	0.0329	31.4	26.7991
Co 228.615	0.0766	ppb	0.2724	355.4	-3.2978
Cr 267.716	1.1506	ppb	0.1328	11.5	83.7344
Cu 324.754	0.2679	ppb	0.1558	58.2	181.952
Fe 271.441	7.5745	ppb	1.9648	25.9	24.6015
K 766.491	1.0429	ppb	0.2658	25.5	359.819
Mg 279.078	1.1402	ppb	0.4595	40.3	26.1698
Mn 257.610	0.1714	ppb	0.0007	0.4	99.7741
Mo 202.032	-0.0417	ppb	0.2137	513.0	5.9393
Na 330.237	6.7028	ppb	46.3560	691.6	31.2806
Ni 231.604	0.3273	ppb	0.3286	100.4	-3.3733
Pb 220.353	-0.3757	ppb	1.6494	439.1	12.8994
Sb 206.834	1.7034	ppb	1.1160	65.5	2.1863
Se 196.026	1.8799	ppb	1.6459	87.5	6.2880
Sn 189.925	-0.6010	ppb	1.6863	280.6	-5.7550
Sr 216.596	0.2138	ppb	0.1455	68.1	3.9991
Ti 334.941	0.1309	ppb	0.0202	15.5	-8.9999
Tl 190.794	0.0208	ppb	1.7693	8494.7	-8.1994
V 292.401	-0.1255	ppb	0.0840	66.9	-11.4329
Zn 206.200	1.9624	ppb	0.4790	24.4	2.9298

680-109461-d-1-b (Samp) **2/3/2015, 5:36:31 PM** **Rack 1, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0855	-0.0942u	-0.4069u
Al 308.215	265.096	268.580	265.328
As 188.980	24.2976	23.2023	22.8775
B 249.678	57.3319	57.9637	57.5345
Ba 389.178	13.6433	13.5308	14.0125
Be 313.042	0.0105	0.0213	0.0082
Ca 370.602	2799	2811	2797
Cd 226.502	0.0780	0.0804	0.0747
Co 228.615	0.8368	0.9032	0.1608
Cr 267.716	12.4964	12.7264	12.6032
Cu 324.754	217.587	220.311	215.655
Fe 271.441	863.100	860.656	858.598
K 766.491	2354.72	2365.90	2343.49
Mg 279.078	566.825	574.609	569.276
Mn 257.610	110.684	111.468	110.740
Mo 202.032	0.6600	0.6812	0.5838
Na 330.237	700.005	746.412	841.459
Ni 231.604	4.8356	4.7647	4.7171
Pb 220.353	-0.1983u	1.3245	2.3048
Sb 206.834	0.9413	2.1692	1.9102
Se 196.026	5.2308	2.0260	2.7881
Sn 189.925	0.6291	-1.1374u	-0.9571u
Sr 216.596	6.2522	6.7910	6.6681
Ti 334.941	9.7784	9.8332	9.6873

Label	Replicates Concentration		
Tl 190.794	0.4076	-2.9688u	-0.2887u
V 292.401	1.0959	1.5781	1.2964
Zn 206.200	359.467	361.802	362.188

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1385	ppb	0.2492	179.9	-13.2849
Al 308.215	266.335	ppb	1.9479	0.7	2439.35
As 188.980	23.4591	ppb	0.7441	3.2	11.2789
B 249.678	57.6100	ppb	0.3226	0.6	1135.82
Ba 389.178	13.7289	ppb	0.2520	1.8	309.019
Be 313.042	0.0133	ppb	0.0070	52.4	-281.072
Ca 370.602	2802	ppb	7.332	0.3	8350
Cd 226.502	0.0777	ppb	0.0029	3.7	29.8289
Co 228.615	0.6336	ppb	0.4108	64.8	3.7196
Cr 267.716	12.6086	ppb	0.1151	0.9	777.955
Cu 324.754	217.851	ppb	2.3393	1.1	16723.0
Fe 271.441	860.785	ppb	2.2537	0.3	1535.18
K 766.491	2354.71	ppb	11.2047	0.5	113398
Mg 279.078	570.237	ppb	3.9797	0.7	1713.59
Mn 257.610	110.964	ppb	0.4370	0.4	27932.6
Mo 202.032	0.6417	ppb	0.0512	8.0	10.8419
Na 330.237	762.625	ppb	72.1077	9.5	64.6100
Ni 231.604	4.7725	ppb	0.0596	1.2	11.6552
Pb 220.353	1.1437	ppb	1.2613	110.3	15.4901
Sb 206.834	1.6736	ppb	0.6472	38.7	2.2984
Se 196.026	3.3483	ppb	1.6742	50.0	7.0486
Sn 189.925	-0.4884	ppb	0.9720	199.0	-5.6669
Sr 216.596	6.5704	ppb	0.2823	4.3	87.0926
Ti 334.941	9.7663	ppb	0.0737	0.8	3231.88
Tl 190.794	-0.9500	ppb	1.7827	187.7	-9.4323
V 292.401	1.3235	ppb	0.2422	18.3	32.8791
Zn 206.200	361.152	ppb	1.4726	0.4	414.298

680-109461-d-2-b (Samp) **2/3/2015, 5:41:05 PM** **Rack 1, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-0.2787u	-0.0732u	-0.0609u
Al 308.215	228.259	231.154	227.381
As 188.980	19.5677	18.4026	20.9909
B 249.678	56.1007	56.2007	55.7958
Ba 389.178	13.1330	13.6831	13.2898
Be 313.042	0.0116	0.0123	0.0177
Ca 370.602	2743	2756	2732
Cd 226.502	0.1317	0.0647	0.0347
Co 228.615	0.5836	0.7629	0.9372
Cr 267.716	9.6853	9.5214	9.6117
Cu 324.754	204.615	207.506	206.238
Fe 271.441	782.519	787.652	775.063
K 766.491	2273.17	2296.04	2275.68
Mg 279.078	550.134	555.100	548.771
Mn 257.610	108.266	108.461	107.726
Mo 202.032	0.4171	0.7954	-0.0565u
Na 330.237	795.324	668.736	789.187

Label	Replicates Concentration		
Ni 231.604	0.4171	1.1739	0.3845
Pb 220.353	-2.0262u	1.9057	1.8021
Sb 206.834	4.6609	2.7781	0.2268
Se 196.026	0.8906	2.1466	5.4955
Sn 189.925	-2.0124u	-2.1448u	0.5325
Sr 216.596	6.5917	6.5165	6.3341
Ti 334.941	7.6543	7.8075	7.6593
Tl 190.794	0.2474	-1.8224u	-3.2440u
V 292.401	0.9997	1.3137	1.3779
Zn 206.200	349.949	352.088	349.778

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1376	ppb	0.1224	88.9	-13.2004
Al 308.215	228.931	ppb	1.9739	0.9	2145.20
As 188.980	19.6537	ppb	1.2963	6.6	8.5386
B 249.678	56.0324	ppb	0.2109	0.4	1105.72
Ba 389.178	13.3686	ppb	0.2834	2.1	299.842
Be 313.042	0.0139	ppb	0.0033	23.9	-279.864
Ca 370.602	2744	ppb	12.20	0.4	8175
Cd 226.502	0.0770	ppb	0.0497	64.5	29.4010
Co 228.615	0.7612	ppb	0.1768	23.2	5.2126
Cr 267.716	9.6061	ppb	0.0821	0.9	596.259
Cu 324.754	206.120	ppb	1.4493	0.7	15831.2
Fe 271.441	781.745	ppb	6.3300	0.8	1395.26
K 766.491	2281.63	ppb	12.5431	0.5	109889
Mg 279.078	551.335	ppb	3.3310	0.6	1657.54
Mn 257.610	108.151	ppb	0.3810	0.4	27225.7
Mo 202.032	0.3854	ppb	0.4268	110.8	8.9903
Na 330.237	751.082	ppb	71.3801	9.5	64.2619
Ni 231.604	0.6585	ppb	0.4467	67.8	-2.1888
Pb 220.353	0.5605	ppb	2.2407	399.7	14.5211
Sb 206.834	2.5553	ppb	2.2254	87.1	3.5661
Se 196.026	2.8442	ppb	2.3804	83.7	6.7983
Sn 189.925	-1.2083	ppb	1.5090	124.9	-6.2293
Sr 216.596	6.4808	ppb	0.1325	2.0	85.9371
Ti 334.941	7.7070	ppb	0.0870	1.1	2539.46
Tl 190.794	-1.6063	ppb	1.7557	109.3	-10.1977
V 292.401	1.2304	ppb	0.2024	16.4	30.2106
Zn 206.200	350.605	ppb	1.2870	0.4	402.226

680-109461-d-3-b (Samp) **2/3/2015, 5:45:39 PM** **Rack 1, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-0.3208u	0.0180	0.0308
Al 308.215	252.556	256.225	254.030
As 188.980	20.8268	25.3132	26.5511
B 249.678	58.5166	59.0055	59.5008
Ba 389.178	13.7759	14.0187	14.4656
Be 313.042	0.0169	0.0176	0.0133
Ca 370.602	2895	2927	2916
Cd 226.502	0.2468	0.1087	0.1377
Co 228.615	0.4444	-0.0207	0.3912
Cr 267.716	10.0088	10.1515	10.1179

Label	Replicates Concentration		
Cu 324.754	219.447	219.200	218.625
Fe 271.441	832.120	828.045	831.377
K 766.491	2379.75	2394.92	2391.05
Mg 279.078	580.408	583.162	582.472
Mn 257.610	113.846	114.477	114.426
Mo 202.032	0.5461	0.4656	0.8500
Na 330.237	906.861	821.243	766.982
Ni 231.604	1.1422	1.2897	1.1686
Pb 220.353	1.0754	-1.2929u	-1.5238u
Sb 206.834	2.5294	1.8529	1.3652
Se 196.026	5.4542	3.4281	0.2894
Sn 189.925	0.3697	0.0999	-1.6744u
Sr 216.596	6.3720	6.7441	6.7101
Ti 334.941	8.9739	8.9939	8.9376
Tl 190.794	0.6757	-2.6965u	-2.4678u
V 292.401	1.4192	1.4385	1.4342
Zn 206.200	374.007	370.434	373.409

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0907	ppb	0.1994	219.9	-8.8061
Al 308.215	254.270	ppb	1.8464	0.7	2344.49
As 188.980	24.2304	ppb	3.0118	12.4	11.8347
B 249.678	59.0076	ppb	0.4921	0.8	1162.80
Ba 389.178	14.0867	ppb	0.3499	2.5	318.020
Be 313.042	0.0159	ppb	0.0023	14.7	-275.523
Ca 370.602	2913	ppb	16.33	0.6	8677
Cd 226.502	0.1644	ppb	0.0729	44.3	33.7626
Co 228.615	0.2717	ppb	0.2546	93.7	-0.6828
Cr 267.716	10.0927	ppb	0.0746	0.7	625.755
Cu 324.754	219.091	ppb	0.4216	0.2	16817.3
Fe 271.441	830.514	ppb	2.1704	0.3	1481.54
K 766.491	2388.57	ppb	7.8833	0.3	115025
Mg 279.078	582.014	ppb	1.4330	0.2	1748.50
Mn 257.610	114.250	ppb	0.3506	0.3	28757.7
Mo 202.032	0.6206	ppb	0.2027	32.7	10.6905
Na 330.237	831.696	ppb	70.5228	8.5	68.2321
Ni 231.604	1.2002	ppb	0.0786	6.6	-0.3614
Pb 220.353	-0.5804	ppb	1.4387	247.9	12.6414
Sb 206.834	1.9158	ppb	0.5846	30.5	2.6218
Se 196.026	3.0572	ppb	2.6023	85.1	6.9054
Sn 189.925	-0.4016	ppb	1.1105	276.5	-5.5990
Sr 216.596	6.6087	ppb	0.2058	3.1	87.6709
Ti 334.941	8.9685	ppb	0.0285	0.3	2963.63
Tl 190.794	-1.4962	ppb	1.8844	125.9	-10.0737
V 292.401	1.4306	ppb	0.0101	0.7	36.3752
Zn 206.200	372.617	ppb	1.9140	0.5	427.436

mb 680-369174/1-a (Samp) **2/3/2015, 5:50:13 PM** **Rack 1, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	0.0784	0.0165	0.0280
Al 308.215	6.2218	5.5133	5.1233
As 188.980	-6.4606u	3.4372	-0.8569u

Label	Replicates Concentration		
B 249.678	0.6666	0.8753	0.8532
Ba 389.178	-0.4353u	-0.9137u	-0.4144u
Be 313.042	0.0023	0.0002	0.0003
Ca 370.602	16.52	16.10	20.33
Cd 226.502	-0.0255u	-0.1124u	-0.0321u
Co 228.615	-0.1438u	-0.2359u	0.4088
Cr 267.716	0.7363	0.7321	0.6748
Cu 324.754	0.2966	0.0916	0.3187
Fe 271.441	19.6989	16.7908	15.4460
K 766.491	8.4915	7.9283	8.2134
Mg 279.078	0.5301	3.3671	2.3296
Mn 257.610	0.4103	0.3872	0.3812
Mo 202.032	-0.1087u	0.2744	0.1003
Na 330.237	136.964	-3.3510u	-31.6702u
Ni 231.604	0.2100	0.4120	0.1068
Pb 220.353	0.2680	-3.4212u	-0.5710u
Sb 206.834	1.3192	-1.9944u	0.9489
Se 196.026	-1.3161u	-1.6756u	0.3164
Sn 189.925	4.8836	6.7443	2.0005
Sr 216.596	-0.1624u	0.0124	-0.1627u
Ti 334.941	0.2758	0.2534	0.2549
Tl 190.794	-0.9744u	-1.7778u	2.8019
V 292.401	0.0393	-0.0524u	-0.4146u
Zn 206.200	12.8099	12.7246	11.6039

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0410	ppb	0.0329	80.3	3.2171
Al 308.215	5.6195	ppb	0.5569	9.9	388.903
As 188.980	-1.2935	ppb	4.9633	383.7	-6.5442
B 249.678	0.7984	ppb	0.1147	14.4	46.7375
Ba 389.178	-0.5878	ppb	0.2824	48.0	-53.1646
Be 313.042	0.0009	ppb	0.0012	128.2	-308.186
Ca 370.602	17.65	ppb	2.332	13.2	69.50
Cd 226.502	-0.0567	ppb	0.0484	85.4	19.1900
Co 228.615	0.0097	ppb	0.3487	3600.4	-4.1141
Cr 267.716	0.7144	ppb	0.0344	4.8	57.3538
Cu 324.754	0.2356	ppb	0.1252	53.2	179.510
Fe 271.441	17.3119	ppb	2.1738	12.6	41.8154
K 766.491	8.2111	ppb	0.2816	3.4	704.083
Mg 279.078	2.0756	ppb	1.4354	69.2	28.9419
Mn 257.610	0.3929	ppb	0.0154	3.9	155.433
Mo 202.032	0.0886	ppb	0.1918	216.4	6.8822
Na 330.237	33.9809	ppb	90.3030	265.7	32.5415
Ni 231.604	0.2429	ppb	0.1553	63.9	-3.6557
Pb 220.353	-1.2414	ppb	1.9338	155.8	11.4706
Sb 206.834	0.0912	ppb	1.8157	1990.1	-0.2044
Se 196.026	-0.8918	ppb	1.0617	119.0	4.9198
Sn 189.925	4.5428	ppb	2.3902	52.6	-1.7365
Sr 216.596	-0.1042	ppb	0.1010	96.9	-0.0223
Ti 334.941	0.2614	ppb	0.0125	4.8	34.8719
Tl 190.794	0.0166	ppb	2.4454	14764.2	-8.2070
V 292.401	-0.1426	ppb	0.2401	168.4	-11.9783
Zn 206.200	12.3795	ppb	0.6730	5.4	14.8623

lcs 680-369174/2-a (Samp) **2/3/2015, 5:54:48 PM** **Rack 1, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	48.0609	48.0413	47.9092
Al 308.215	4717.53	4704.85	4721.42
As 188.980	102.015	99.9762	103.440
B 249.678	182.858	183.064	183.335
Ba 389.178	96.0596	95.3921	97.1681
Be 313.042	49.5375	49.3266	49.5200
Ca 370.602	4884	4874	4889
Cd 226.502	49.1073	49.1147	49.4248
Co 228.615	49.3804	49.3567	49.4156
Cr 267.716	100.817	100.826	101.146
Cu 324.754	99.6800	97.9715	100.988
Fe 271.441	4788.94	4773.41	4789.54
K 766.491	5096.73	5080.29	5102.38
Mg 279.078	4824.78	4806.88	4820.14
Mn 257.610	507.981	505.631	507.667
Mo 202.032	98.0287	96.7502	97.2679
Na 330.237	4771.32	4469.29	4677.76
Ni 231.604	98.6849	97.7667	96.9130
Pb 220.353	483.747	482.437	479.782
Sb 206.834	49.7519	46.7717	53.2073
Se 196.026	97.2679	95.3173	101.394
Sn 189.925	198.454	196.917	199.454
Sr 216.596	95.6836	94.7580	95.2323
Ti 334.941	96.4314	96.1351	96.6474
Tl 190.794	39.3620	41.7351	40.2895
V 292.401	99.0658	98.6115	98.7135
Zn 206.200	100.735	99.7633	98.2000

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.0038	ppb	0.0825	0.2	4465.35
Al 308.215	4714.60	ppb	8.6661	0.2	37435.7
As 188.980	101.810	ppb	1.7410	1.7	67.6576
B 249.678	183.085	ppb	0.2393	0.1	3536.50
Ba 389.178	96.2066	ppb	0.8971	0.9	2397.73
Be 313.042	49.4614	ppb	0.1170	0.2	104399
Ca 370.602	4882	ppb	7.594	0.2	14545
Cd 226.502	49.2156	ppb	0.1812	0.4	2375.47
Co 228.615	49.3842	ppb	0.0296	0.1	592.571
Cr 267.716	100.930	ppb	0.1874	0.2	6123.71
Cu 324.754	99.5465	ppb	1.5127	1.5	7733.85
Fe 271.441	4783.96	ppb	9.1433	0.2	8487.74
K 766.491	5093.13	ppb	11.4758	0.2	244916
Mg 279.078	4817.27	ppb	9.2852	0.2	14315.1
Mn 257.610	507.093	ppb	1.2759	0.3	127469
Mo 202.032	97.3489	ppb	0.6431	0.7	710.595
Na 330.237	4639.45	ppb	154.613	3.3	287.426
Ni 231.604	97.7882	ppb	0.8862	0.9	324.727
Pb 220.353	481.989	ppb	2.0203	0.4	809.263
Sb 206.834	49.9103	ppb	3.2207	6.5	73.2418
Se 196.026	97.9929	ppb	3.1023	3.2	53.9071
Sn 189.925	198.275	ppb	1.2778	0.6	149.616
Sr 216.596	95.2246	ppb	0.4628	0.5	1217.78

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	96.4046	ppb	0.2572	0.3	32370.8
Tl 190.794	40.4622	ppb	1.1960	3.0	39.1946
V 292.401	98.7969	ppb	0.2384	0.2	3056.31
Zn 206.200	99.5659	ppb	1.2788	1.3	114.336

680-109515-b-6-a (Samp) **2/3/2015, 5:59:23 PM** **Rack 1, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-3.2879u	-3.6184u	-3.3100u
Al 308.215	116060	115742	115574
As 188.980	104.406	109.005	115.613
B 249.678	8.7348u	7.3820u	8.1464u
Ba 389.178	489.635	488.300	487.105
Be 313.042	8.0447	8.0331	8.0084
Ca 370.602	33291	33247	33222
Cd 226.502	-1.2470	-1.4458	-1.3638
Co 228.615	91.1148	90.7842	90.2298
Cr 267.716	228.387	227.738	227.532
Cu 324.754	149.621	147.837	148.575
Fe 271.441	224231	223215	223288
K 766.491	3051.80	3035.34	3031.53
Mg 279.078	14310.7	14253.8	14229.5
Mn 257.610	2924.01	2911.38	2904.99
Mo 202.032	6.2739	5.6435	5.7209
Na 330.237	817.407u	775.924u	1001.85u
Ni 231.604	70.3987	73.2827	72.5658
Pb 220.353	528.047	531.532	530.261
Sb 206.834	7.1537	3.7449	6.1224
Se 196.026	2.0460	3.3936	4.8418
Sn 189.925	23.0593	22.7861	22.6630
Sr 216.596	71.5065	70.8914	71.9219
Ti 334.941	544.010	541.441	541.780
Tl 190.794	4.1874u	0.5692u	3.3186u
V 292.401	424.925	422.761	422.870
Zn 206.200	689.278	680.018	680.658

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.4054	ppb	0.1848	5.4	-344.549
Al 308.215	115792	ppb	246.698	0.2	910955
As 188.980	109.675	ppb	5.6336	5.1	71.7985
B 249.678	8.0877	ppb	0.6783	8.4	-409.688
Ba 389.178	488.347	ppb	1.2657	0.3	12473.7
Be 313.042	8.0287	ppb	0.0186	0.2	16729.0
Ca 370.602	33253	ppb	34.96	0.1	96826
Cd 226.502	-1.3522	ppb	0.0999	7.4	1093.35
Co 228.615	90.7096	ppb	0.4472	0.5	1120.91
Cr 267.716	227.886	ppb	0.4462	0.2	13933.0
Cu 324.754	148.678	ppb	0.8964	0.6	11558.3
Fe 271.441	223578	ppb	566.480	0.3	395834
K 766.491	3039.55	ppb	10.7748	0.4	146289
Mg 279.078	14264.6	ppb	41.6895	0.3	42270.8
Mn 257.610	2913.46	ppb	9.6767	0.3	732653
Mo 202.032	5.8794	ppb	0.3438	5.8	37.1523

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	865.059	ppb	120.263	13.9	1.0710
Ni 231.604	72.0824	ppb	1.5015	2.1	258.501
Pb 220.353	529.947	ppb	1.7637	0.3	902.632
Sb 206.834	5.6737	ppb	1.7481	30.8	15.2852
Se 196.026	3.4271	ppb	1.3982	40.8	9.9476
Sn 189.925	22.8362	ppb	0.2028	0.9	12.5547
Sr 216.596	71.4399	ppb	0.5185	0.7	1229.98
Ti 334.941	542.410	ppb	1.3959	0.3	182385
Tl 190.794	2.6917	ppb	1.8888	70.2	-40.2733
V 292.401	423.519	ppb	1.2193	0.3	13145.3
Zn 206.200	683.318	ppb	5.1715	0.8	774.556

680-109515-b-6-aSD^5 (Samp) **2/3/2015, 6:03:58 PM** **Rack 1, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	-0.8557u	-1.0938u	-0.7111u
Al 308.215	24177.8	23368.9	22914.4
As 188.980	19.1711	24.8262	23.6835
B 249.678	1.4593u	1.5561u	1.9932u
Ba 389.178	103.589	100.918	97.9527
Be 313.042	1.6954	1.6302	1.6011
Ca 370.602	7012	6774	6682
Cd 226.502	-0.3230	-0.3889	-0.4681
Co 228.615	19.4056	19.2329	18.1644
Cr 267.716	49.5163	47.4980	46.5107
Cu 324.754	31.4140	30.4460	29.3222
Fe 271.441	47506.1	46035.7	45171.8
K 766.491	592.948	575.083	565.406
Mg 279.078	3076.50	2983.56	2932.04
Mn 257.610	634.029	614.301	602.981
Mo 202.032	1.2009	0.9810	1.0251
Na 330.237	72.4966u	169.376u	187.492u
Ni 231.604	15.2542	14.6479	16.0170
Pb 220.353	112.536	110.509	109.912
Sb 206.834	0.5482	3.3257	-1.0786u
Se 196.026	4.4777	4.5098	-2.6584u
Sn 189.925	7.1355	8.1343	4.9775
Sr 216.596	14.8242	14.7356	14.7120
Ti 334.941	115.954	112.833	110.173
Tl 190.794	-0.3221u	-1.4209u	-4.3049u
V 292.401	90.6213	87.2934	85.8287
Zn 206.200	147.410	143.237	140.163

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8869	ppb	0.1933	21.8	-88.6544
Al 308.215	23487.0	ppb	639.938	2.7	185052
As 188.980	22.5603	ppb	2.9902	13.3	10.3092
B 249.678	1.6695	ppb	0.2845	17.0	-59.9998
Ba 389.178	100.820	ppb	2.8197	2.8	2544.97
Be 313.042	1.6422	ppb	0.0483	2.9	3175.27
Ca 370.602	6823	ppb	170.4	2.5	19877
Cd 226.502	-0.3933	ppb	0.0726	18.5	238.240
Co 228.615	18.9343	ppb	0.6723	3.6	230.598

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	47.8416	ppb	1.5320	3.2	2935.89
Cu 324.754	30.3941	ppb	1.0469	3.4	2491.64
Fe 271.441	46237.9	ppb	1180.20	2.6	81870.8
K 766.491	577.812	ppb	13.9722	2.4	28060.2
Mg 279.078	2997.36	ppb	73.2122	2.4	8900.39
Mn 257.610	617.104	ppb	15.7125	2.5	155225
Mo 202.032	1.0690	ppb	0.1163	10.9	11.5675
Na 330.237	143.122	ppb	61.8301	43.2	22.6943
Ni 231.604	15.3064	ppb	0.6861	4.5	51.2567
Pb 220.353	110.986	ppb	1.3756	1.2	199.698
Sb 206.834	0.9318	ppb	2.2271	239.0	2.5422
Se 196.026	2.1097	ppb	4.1294	195.7	7.0043
Sn 189.925	6.7491	ppb	1.6135	23.9	-0.0130
Sr 216.596	14.7573	ppb	0.0592	0.4	255.296
Ti 334.941	112.987	ppb	2.8934	2.6	37949.5
Tl 190.794	-2.0160	ppb	2.0570	102.0	-17.8996
V 292.401	87.9145	ppb	2.4559	2.8	2722.90
Zn 206.200	143.603	ppb	3.6370	2.5	163.345

680-109515-b-6-aPDS (Samp) **2/3/2015, 6:08:34 PM** **Rack 1, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	79.0715	80.8407	79.9610
Al 308.215	116200	116358	116153
As 188.980	207.082	203.446	205.200
B 249.678	184.205	183.102	182.354
Ba 389.178	564.496	565.027	565.261
Be 313.042	100.184	100.263	100.118
Ca 370.602	42056	42087	42164
Cd 226.502	88.9363	88.8839	88.5495
Co 228.615	180.406	177.535	177.337
Cr 267.716	318.140	318.124	317.678
Cu 324.754	242.836	245.468	245.447
Fe 271.441	229598	229781	229531
K 766.491	13308.1	13337.7	13369.5
Mg 279.078	23206.3	23224.4	23180.0
Mn 257.610	3782.28	3780.55	3779.16
Mo 202.032	97.4510	97.1972	97.0773
Na 330.237	9250.57	9123.40	9194.47
Ni 231.604	160.691	158.410	159.838
Pb 220.353	611.801	615.207	610.613
Sb 206.834	97.5874	91.8196	93.5829
Se 196.026	86.9749	79.9528	87.6998
Sn 189.925	115.057	118.183	109.979
Sr 216.596	159.772	159.892	159.040
Ti 334.941	626.990	627.342	626.378
Tl 190.794	19.5788u	17.9569u	15.1544u
V 292.401	514.175	514.172	514.521
Zn 206.200	762.050	761.667	763.354

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	79.9577	ppb	0.8846	1.1	7413.95
Al 308.215	116237	ppb	107.391	0.1	914470

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	205.243	ppb	1.8184	0.9	140.565
B 249.678	183.220	ppb	0.9314	0.5	2939.80
Ba 389.178	564.928	ppb	0.3917	0.1	14426.9
Be 313.042	100.188	ppb	0.0727	0.1	211838
Ca 370.602	42102	ppb	55.97	0.1	123140
Cd 226.502	88.7899	ppb	0.2098	0.2	5390.99
Co 228.615	178.426	ppb	1.7174	1.0	2181.17
Cr 267.716	317.981	ppb	0.2621	0.1	19389.4
Cu 324.754	244.584	ppb	1.5138	0.6	18854.3
Fe 271.441	229637	ppb	129.371	0.1	406572
K 766.491	13338.4	ppb	30.7220	0.2	640910
Mg 279.078	23203.6	ppb	22.3132	0.1	68796.7
Mn 257.610	3780.66	ppb	1.5610	0.0	950545
Mo 202.032	97.2418	ppb	0.1908	0.2	698.112
Na 330.237	9189.48	ppb	63.7299	0.7	464.353
Ni 231.604	159.646	ppb	1.1523	0.7	553.335
Pb 220.353	612.540	ppb	2.3842	0.4	1039.41
Sb 206.834	94.3300	ppb	2.9556	3.1	146.185
Se 196.026	84.8758	ppb	4.2789	5.0	50.4308
Sn 189.925	114.406	ppb	4.1403	3.6	84.0958
Sr 216.596	159.568	ppb	0.4609	0.3	2359.93
Ti 334.941	626.903	ppb	0.4876	0.1	210811
Tl 190.794	17.5634	ppb	2.2383	12.7	-23.1093
V 292.401	514.289	ppb	0.2005	0.0	15959.0
Zn 206.200	762.357	ppb	0.8847	0.1	864.669

Cont Calib Verif (CCV) **2/3/2015, 6:13:08 PM** **Rack 1, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	471.355	472.404	472.073
Al 308.215	4685.03	4678.58	4721.21
As 188.980	480.910	485.780	484.710
B 249.678	474.038	473.089	478.229
Ba 389.178	4793.81	4779.36	4819.89
Be 313.042	484.966	485.029	488.350
Ca 370.602	4842	4851	4902
Cd 226.502	484.550	482.510	487.200
Co 228.615	489.661	489.333	492.820
Cr 267.716	4922.55	4916.59	4952.29
Cu 324.754	4984.86	4962.85	4931.93
Fe 271.441	4734.14	4722.39	4758.30
K 766.491	10160.4	10122.0	10198.5
Mg 279.078	4847.37	4833.53	4878.84
Mn 257.610	4881.86	4894.24	4909.23
Mo 202.032	483.306	482.316	485.578
Na 330.237	7302.57	7111.24	7097.33
Ni 231.604	2409.80	2414.80	2423.54
Pb 220.353	479.280	478.822	484.948
Sb 206.834	949.481	944.584	960.742
Se 196.026	4815.91	4821.59	4847.50
Sn 189.925	4840.95	4865.94	4899.37
Sr 216.596	2390.34	2385.42	2400.55
Ti 334.941	468.690	467.405	471.364

Label	Replicates Concentration		
Tl 190.794	4880.51	4877.36	4929.92
V 292.401	4833.53	4826.49	4858.12
Zn 206.200	2421.98	2419.94	2442.42

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	471.944	ppb	0.5361	0.1	43869.9	94.38873
Al 308.215	4694.94	ppb	22.9772	0.5	38025.4	93.89875
As 188.980	483.800	ppb	2.5589	0.5	342.685	96.75997
B 249.678	475.118	ppb	2.7351	0.6	9161.90	95.02370
Ba 389.178	4797.68	ppb	20.5427	0.4	120672	95.95369
Be 313.042	486.115	ppb	1.9360	0.4	1029103	97.22299
Ca 370.602	4865	ppb	32.13	0.7	14824	97.30297
Cd 226.502	484.754	ppb	2.3516	0.5	22989.8	96.95073
Co 228.615	490.604	ppb	1.9253	0.4	5932.08	98.12090
Cr 267.716	4930.48	ppb	19.1254	0.4	298245	98.60955
Cu 324.754	4959.88	ppb	26.5882	0.5	377161	99.19756
Fe 271.441	4738.28	ppb	18.3066	0.4	8509.01	94.76553
K 766.491	10160.3	ppb	38.2754	0.4	488275	101.60296
Mg 279.078	4853.25	ppb	23.2189	0.5	14322.6	97.06497
Mn 257.610	4895.11	ppb	13.7060	0.3	1229488	97.90213
Mo 202.032	483.733	ppb	1.6721	0.3	3502.13	96.74666
Na 330.237	7170.38	ppb	114.694	1.6	372.341	95.60505
Ni 231.604	2416.05	ppb	6.9565	0.3	8120.48	96.64192
Pb 220.353	481.017	ppb	3.4123	0.7	811.792	96.20333
Sb 206.834	951.602	ppb	8.2848	0.9	1466.08	95.16023
Se 196.026	4828.34	ppb	16.8413	0.3	2390.18	96.56671
Sn 189.925	4868.75	ppb	29.3096	0.6	3798.37	97.37507
Sr 216.596	2392.10	ppb	7.7204	0.3	30380.5	95.68417
Ti 334.941	469.153	ppb	2.0196	0.4	157698	93.83060
Tl 190.794	4895.93	ppb	29.4797	0.6	5808.38	97.91859
V 292.401	4839.38	ppb	16.6087	0.3	151124	96.78760
Zn 206.200	2428.11	ppb	12.4358	0.5	2771.19	97.12451

Cont Calib Blank (CCB) **2/3/2015, 6:17:41 PM** **Rack 1, Tube 50**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1801u	0.2082	-0.1756u
Al 308.215	1.5286	0.3320	0.7385
As 188.980	0.7723	-1.9318u	-2.9408u
B 249.678	1.7322	1.6379	1.6290
Ba 389.178	0.1399	-0.1437u	0.2021
Be 313.042	0.0100	0.0069	0.0118
Ca 370.602	-1.340u	-2.832u	-1.929u
Cd 226.502	-0.0336u	0.0485	0.1298
Co 228.615	-0.0885u	-0.0572u	0.2381
Cr 267.716	0.3391	0.0406	0.2062
Cu 324.754	0.0472	0.2955	0.0767
Fe 271.441	0.8328	-0.2291u	-3.4491u
K 766.491	0.3028	0.6824	0.6204
Mg 279.078	1.3239	-0.1712u	-1.0843u
Mn 257.610	0.1558	0.2110	0.2009
Mo 202.032	0.3999	0.2209	0.4951
Na 330.237	-90.5331u	-63.4337u	-180.583u

Label	Replicates Concentration		
Ni 231.604	0.2368	0.3595	0.8689
Pb 220.353	-1.2810u	2.1537	-0.3587u
Sb 206.834	3.6334	0.2964	0.6941
Se 196.026	4.9440	0.4084	0.2245
Sn 189.925	0.7316	0.4227	0.2220
Sr 216.596	0.0605	0.5350	0.4164
Ti 334.941	0.0984	0.1198	0.1055
Tl 190.794	1.1667	-0.0232u	-0.8323u
V 292.401	0.0644	-0.1773u	-0.0746u
Zn 206.200	0.2498	0.2821	1.4965

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0492	ppb	0.2229	453.4	-5.1928	-0.04917
Al 308.215	0.8663	ppb	0.6085	70.2	351.545	0.86635
As 188.980	-1.3668	ppb	1.9200	140.5	-6.5969	-1.36675
B 249.678	1.6664	ppb	0.0572	3.4	63.4307	1.66639
Ba 389.178	0.0661	ppb	0.1843	279.0	-36.7371	0.06607
Be 313.042	0.0096	ppb	0.0025	26.0	-289.945	0.00957
Ca 370.602	-2.033	ppb	0.7514	37.0	11.08	-2.03349
Cd 226.502	0.0483	ppb	0.0817	169.3	24.0610	0.04826
Co 228.615	0.0308	ppb	0.1802	585.4	-3.8700	0.03078
Cr 267.716	0.1953	ppb	0.1496	76.6	25.9340	0.19526
Cu 324.754	0.1398	ppb	0.1357	97.0	172.229	0.13980
Fe 271.441	-0.9485	ppb	2.2298	235.1	9.4974	-0.94847
K 766.491	0.5352	ppb	0.2036	38.1	335.435	0.53516
Mg 279.078	0.0228	ppb	1.2157	5331.7	22.8521	0.02280
Mn 257.610	0.1892	ppb	0.0294	15.5	104.190	0.18919
Mo 202.032	0.3720	ppb	0.1392	37.4	8.9343	0.37200
Na 330.237	-111.517	ppb	61.3287	55.0	24.6900	-111.51660
Ni 231.604	0.4884	ppb	0.3352	68.6	-2.8321	0.48838
Pb 220.353	0.1713	ppb	1.7776	1037.5	13.8002	0.17134
Sb 206.834	1.5413	ppb	1.8227	118.3	1.9266	1.54131
Se 196.026	1.8590	ppb	2.6733	143.8	6.2775	1.85897
Sn 189.925	0.4587	ppb	0.2567	56.0	-4.9272	0.45873
Sr 216.596	0.3373	ppb	0.2470	73.2	5.5515	0.33730
Ti 334.941	0.1079	ppb	0.0109	10.1	-16.7370	0.10788
Tl 190.794	0.1038	ppb	1.0056	969.2	-8.1012	0.10375
V 292.401	-0.0625	ppb	0.1213	194.0	-9.5039	-0.06249
Zn 206.200	0.6762	ppb	0.7106	105.1	1.4589	0.67616

680-109515-b-6-b ms (Samp) **2/3/2015, 6:22:14 PM** **Rack 1, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	44.5491	43.5864	44.7281
Al 308.215	139460	139257	139300
As 188.980	242.872	243.787	242.317
B 249.678	107.084	108.285	107.841
Ba 389.178	702.094	700.803	701.467
Be 313.042	56.8160	56.6244	56.6873
Ca 370.602	38509	38289	38189
Cd 226.502	45.0011	44.8318	45.0440
Co 228.615	162.762	164.198	163.082
Cr 267.716	390.070	389.288	389.662

Label	Replicates Concentration		
Cu 324.754	272.552	268.224	270.839
Fe 271.441	281998	281125	281179
K 766.491	8740.80	8711.46	8734.54
Mg 279.078	19939.6	19898.7	19879.1
Mn 257.610	4101.59	4082.70	4093.49
Mo 202.032	92.7327	91.4744	91.9318
Na 330.237	5679.06	5634.09	5659.29
Ni 231.604	197.908	197.358	195.412
Pb 220.353	1082.86	1091.93	1086.54
Sb 206.834	22.7746	18.8912	20.8040
Se 196.026	88.5450	88.4919	75.9126
Sn 189.925	203.438	209.670	210.954
Sr 216.596	166.267	167.427	166.616
Ti 334.941	594.671	594.719	596.348
Tl 190.794	43.1356	41.1915	37.1490u
V 292.401	597.277	597.447	597.776
Zn 206.200	793.792	788.661	784.342

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.2879	ppb	0.6140	1.4	4086.52
Al 308.215	139339	ppb	107.223	0.1	1096152
As 188.980	242.992	ppb	0.7420	0.3	167.388
B 249.678	107.736	ppb	0.6072	0.6	1349.81
Ba 389.178	701.455	ppb	0.6453	0.1	17898.6
Be 313.042	56.7092	ppb	0.0977	0.2	119791
Ca 370.602	38329	ppb	163.8	0.4	111352
Cd 226.502	44.9589	ppb	0.1122	0.2	3580.68
Co 228.615	163.347	ppb	0.7540	0.5	2002.17
Cr 267.716	389.674	ppb	0.3912	0.1	23755.6
Cu 324.754	270.538	ppb	2.1792	0.8	20849.2
Fe 271.441	281434	ppb	489.067	0.2	498269
K 766.491	8728.93	ppb	15.4539	0.2	419531
Mg 279.078	19905.8	ppb	30.8705	0.2	58986.8
Mn 257.610	4092.59	ppb	9.4733	0.2	1029035
Mo 202.032	92.0463	ppb	0.6369	0.7	657.810
Na 330.237	5657.48	ppb	22.5410	0.4	251.260
Ni 231.604	196.893	ppb	1.3115	0.7	683.477
Pb 220.353	1087.11	ppb	4.5584	0.4	1826.13
Sb 206.834	20.8233	ppb	1.9417	9.3	39.5094
Se 196.026	84.3165	ppb	7.2780	8.6	50.7381
Sn 189.925	208.021	ppb	4.0204	1.9	157.229
Sr 216.596	166.770	ppb	0.5951	0.4	2520.69
Ti 334.941	595.246	ppb	0.9545	0.2	200170
Tl 190.794	40.4921	ppb	3.0540	7.5	-4.4230
V 292.401	597.500	ppb	0.2537	0.0	18538.6
Zn 206.200	788.932	ppb	4.7307	0.6	893.017

680-109515-b-6-c msd (Samp) **2/3/2015, 6:26:47 PM** **Rack 1, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	44.0862	44.1978	44.1640
Al 308.215	140066	139495	139730
As 188.980	223.219	213.276	220.642

Label	Replicates Concentration		
B 249.678	103.366	102.382	101.809
Ba 389.178	642.298	640.010	642.371
Be 313.042	57.6036	57.4376	57.4507
Ca 370.602	44110	44123	44090
Cd 226.502	46.8122	46.1339	46.3523
Co 228.615	134.249	133.674	133.302
Cr 267.716	351.018	349.927	350.268
Cu 324.754	283.764	280.215	281.649
Fe 271.441	241744	240797	240935
K 766.491	8909.32	8871.17	8886.68
Mg 279.078	22653.2	22563.8	22573.7
Mn 257.610	2341.52	2326.89	2334.57
Mo 202.032	89.7071	90.3241	89.3175
Na 330.237	5792.60	5710.18	5495.37
Ni 231.604	187.345	186.840	185.424
Pb 220.353	1069.15	1070.59	1073.50
Sb 206.834	21.0728	24.3223	26.1654
Se 196.026	88.2485	89.9239	65.9170
Sn 189.925	204.722	206.488	200.735
Sr 216.596	173.817	172.617	172.985
Ti 334.941	556.473	553.513	554.564
Tl 190.794	39.6989	38.7054	43.2911
V 292.401	527.193	525.027	525.422
Zn 206.200	1068.56	1067.91	1072.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.1493	ppb	0.0572	0.1	4070.74
Al 308.215	139763	ppb	287.144	0.2	1099471
As 188.980	219.046	ppb	5.1606	2.4	150.425
B 249.678	102.519	ppb	0.7876	0.8	1356.68
Ba 389.178	641.560	ppb	1.3424	0.2	16363.4
Be 313.042	57.4973	ppb	0.0923	0.2	121460
Ca 370.602	44108	ppb	16.62	0.0	128906
Cd 226.502	46.4328	ppb	0.3462	0.7	3446.60
Co 228.615	133.742	ppb	0.4767	0.4	1640.45
Cr 267.716	350.404	ppb	0.5582	0.2	21349.7
Cu 324.754	281.876	ppb	1.7854	0.6	21694.1
Fe 271.441	241159	ppb	511.362	0.2	426964
K 766.491	8889.06	ppb	19.1819	0.2	427222
Mg 279.078	22596.9	ppb	49.0277	0.2	67018.0
Mn 257.610	2334.33	ppb	7.3211	0.3	587344
Mo 202.032	89.7829	ppb	0.5076	0.6	643.511
Na 330.237	5666.05	ppb	153.453	2.7	255.870
Ni 231.604	186.536	ppb	0.9959	0.5	645.005
Pb 220.353	1071.08	ppb	2.2150	0.2	1796.49
Sb 206.834	23.8535	ppb	2.5785	10.8	42.7359
Se 196.026	81.3632	ppb	13.4029	16.5	48.4545
Sn 189.925	203.982	ppb	2.9469	1.4	154.074
Sr 216.596	173.140	ppb	0.6146	0.4	2549.20
Ti 334.941	554.850	ppb	1.5008	0.3	186588
Tl 190.794	40.5651	ppb	2.4125	5.9	1.2763
V 292.401	525.881	ppb	1.1537	0.2	16316.0
Zn 206.200	1069.54	ppb	2.2910	0.2	1216.01

680-109515-a-1-a (Samp) **2/3/2015, 6:31:21 PM** **Rack 1, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	0.2693	0.6431	0.0827
Al 308.215	131041	130992	130646
As 188.980	253.696	260.656	254.210
B 249.678	19.5079u	21.5961u	21.7404u
Ba 389.178	1346.89	1346.40	1341.84
Be 313.042	13.9428	13.9352	13.9012
Ca 370.602	98335	97680	97373
Cd 226.502	-1.9135	-1.3457	-1.0217
Co 228.615	144.579	145.979	143.589
Cr 267.716	708.701	709.038	707.404
Cu 324.754	305.205	304.981	304.704
Fe 271.441	530769	530998	528435
K 766.491	4270.42	4273.96	4270.54
Mg 279.078	15121.0	15126.5	15112.0
Mn 257.610	18460.4	18462.3	18406.1
Mo 202.032	23.2288	23.0626	23.1873
Na 330.237	76.0884u	357.090u	153.565u
Ni 231.604	88.1137	89.0678	90.3859
Pb 220.353	572.228	567.861	566.269
Sb 206.834	11.3061	8.7628	6.9590
Se 196.026	4.0616	11.7915	-9.1050
Sn 189.925	40.0502	44.5645	38.1349
Sr 216.596	215.334	215.501	215.520
Ti 334.941	2235.74	2239.83	2230.10
Tl 190.794	2.4291u	5.2667u	0.2370u
V 292.401	760.257	760.808	759.086
Zn 206.200	854.571	853.577	856.742

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3317	ppb	0.2854	86.0	28.6593
Al 308.215	130893	ppb	215.436	0.2	1029790
As 188.980	256.187	ppb	3.8786	1.5	175.145
B 249.678	20.9482	ppb	1.2493	6.0	-982.875
Ba 389.178	1345.04	ppb	2.7854	0.2	34292.3
Be 313.042	13.9264	ppb	0.0221	0.2	29243.3
Ca 370.602	97796	ppb	491.3	0.5	286650
Cd 226.502	-1.4270	ppb	0.4514	31.6	2649.45
Co 228.615	144.716	ppb	1.2011	0.8	1834.44
Cr 267.716	708.381	ppb	0.8628	0.1	43249.6
Cu 324.754	304.963	ppb	0.2510	0.1	23572.9
Fe 271.441	530067	ppb	1418.52	0.3	938432
K 766.491	4271.64	ppb	2.0099	0.0	205462
Mg 279.078	15119.9	ppb	7.3125	0.0	44452.7
Mn 257.610	18442.9	ppb	31.9093	0.2	4633842
Mo 202.032	23.1596	ppb	0.0865	0.4	146.504
Na 330.237	195.581	ppb	145.136	74.2	-125.550
Ni 231.604	89.1891	ppb	1.1410	1.3	344.406
Pb 220.353	568.786	ppb	3.0851	0.5	990.817
Sb 206.834	9.0093	ppb	2.1840	24.2	32.2625
Se 196.026	2.2494	ppb	10.5655	469.7	16.2014
Sn 189.925	40.9165	ppb	3.3012	8.1	26.6789
Sr 216.596	215.452	ppb	0.1023	0.0	3510.91

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	2235.22	ppb	4.8881	0.2	751594
Tl 190.794	2.6443	ppb	2.5217	95.4	-83.0906
V 292.401	760.050	ppb	0.8796	0.1	23533.6
Zn 206.200	854.963	ppb	1.6189	0.2	958.675

680-109515-b-2-a (Samp) **2/3/2015, 6:35:55 PM** **Rack 1, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	-7.3558u	-7.5048u	-8.0829u
Al 308.215	135882	135798	135982
As 188.980	301.050	299.111	296.621
B 249.678	10.2920u	11.8418u	11.2185u
Ba 389.178	2731.00	2732.68	2735.04
Be 313.042	21.1899	21.1736	21.2330
Ca 370.602	23145	23073	23090
Cd 226.502	-7.1462	-7.0065	-6.6577
Co 228.615	283.014	279.406	282.212
Cr 267.716	557.432	556.747	556.989
Cu 324.754	39.2487	38.5140	39.0857
Fe 271.441	874623	873211	871614
K 766.491	1455.72	1458.92	1461.39
Mg 279.078	7519.97	7525.51	7527.17
Mn 257.610	31557.5x	31467.5x	31342.3x
Mo 202.032	18.8316	18.9678	18.5586
Na 330.237	-495.486u	-389.408u	-489.396u
Ni 231.604	73.0452	75.4345	74.8228
Pb 220.353	545.505	544.066	543.495
Sb 206.834	14.7825	6.1225	12.8218
Se 196.026	-8.9764	-15.0595	-12.3571
Sn 189.925	22.2904	27.3885	28.6923
Sr 216.596	79.5979	80.4711	80.6234
Ti 334.941	877.866	877.487	880.318
Tl 190.794	7.3588u	5.1453u	6.1457u
V 292.401	1252.31	1253.73	1254.01
Zn 206.200	315.780	316.014	312.574

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-7.6478b	ppb	0.3840	5.0	-698.043
Al 308.215	135887b	ppb	92.2759	0.1	1069179
As 188.980	298.927b	ppb	2.2203	0.7	203.501
B 249.678	11.1174b	ppb	0.7798	7.0	-2086.27
Ba 389.178	2732.91b	ppb	2.0307	0.1	69483.1
Be 313.042	21.1988b	ppb	0.0307	0.1	44623.6
Ca 370.602	23103b	ppb	37.77	0.2	60530
Cd 226.502	-6.9368b	ppb	0.2516	3.6	4133.05
Co 228.615	281.544b	ppb	1.8942	0.7	3482.55
Cr 267.716	557.056b	ppb	0.3473	0.1	34340.5
Cu 324.754	38.9495b	ppb	0.3859	1.0	3496.68
Fe 271.441	873149b	ppb	1505.67	0.2	1545822
K 766.491	1458.68b	ppb	2.8394	0.2	70365.1
Mg 279.078	7524.22b	ppb	3.7671	0.1	21599.7
Mn 257.610	31455.8xb	ppb	108.057	0.3	7903043
Mo 202.032	18.7860b	ppb	0.2084	1.1	97.1660

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-458.096b	ppb	59.5642	13.0	-243.289
Ni 231.604	74.4342b	ppb	1.2412	1.7	326.207
Pb 220.353	544.355b	ppb	1.0358	0.2	977.750
Sb 206.834	11.2423b	ppb	4.5409	40.4	40.1960
Se 196.026	-12.1310b	ppb	3.0479	25.1	15.6545
Sn 189.925	26.1237b	ppb	3.3832	13.0	15.1213
Sr 216.596	80.2308b	ppb	0.5534	0.7	2231.01
Ti 334.941	878.557b	ppb	1.5370	0.2	295481
Tl 190.794	6.2166b	ppb	1.1085	17.8	-128.394
V 292.401	1253.35b	ppb	0.9097	0.1	38825.7
Zn 206.200	314.790b	ppb	1.9220	0.6	327.504

680-109515-a-3-a (Samp) **2/3/2015, 6:40:29 PM** **Rack 1, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-2.0191u	-3.1150u	-3.0233u
Al 308.215	149688	149753	150577
As 188.980	321.972	320.111	323.868
B 249.678	11.5698u	10.0948u	9.7140u
Ba 389.178	192.701	193.146	193.405
Be 313.042	26.1761	26.1874	26.3445
Ca 370.602	11733	11743	11806
Cd 226.502	-7.3343	-8.1447	-7.8576
Co 228.615	123.975	124.790	125.656
Cr 267.716	561.802	562.520	565.246
Cu 324.754	27.8229	26.9530	28.3876
Fe 271.441	1010674x	1010226x	1010138x
K 766.491	1644.76	1638.99	1652.50
Mg 279.078	9513.23	9518.39	9551.69
Mn 257.610	7198.07	7210.22	7214.42
Mo 202.032	14.1289	14.0901	13.3012
Na 330.237	-310.276u	-245.309u	-75.5752u
Ni 231.604	74.1856	73.4556	73.0325
Pb 220.353	274.252	271.375	278.504
Sb 206.834	12.1461	16.7396	9.6438
Se 196.026	-22.9935	-14.5054	-32.5356u
Sn 189.925	22.5180	21.1703	28.5000
Sr 216.596	46.9173	47.9134	47.7362
Ti 334.941	675.495	674.963	678.534
Tl 190.794	-4.5946u	2.4118u	0.4253u
V 292.401	1376.70	1380.59	1384.85
Zn 206.200	347.081	346.913	352.434

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7191b	ppb	0.6080	22.4	-401.686
Al 308.215	150006b	ppb	495.560	0.3	1180240
As 188.980	321.984b	ppb	1.8784	0.6	219.134
B 249.678	10.4595b	ppb	0.9802	9.4	-2465.82
Ba 389.178	193.084b	ppb	0.3558	0.2	5721.33
Be 313.042	26.2360b	ppb	0.0941	0.4	55296.7
Ca 370.602	11761b	ppb	39.53	0.3	24575
Cd 226.502	-7.7789b	ppb	0.4109	5.3	4792.79
Co 228.615	124.807b	ppb	0.8406	0.7	1593.19

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	563.189b	ppb	1.8170	0.3	34651.0
Cu 324.754	27.7211b	ppb	0.7227	2.6	2702.75
Fe 271.441	1010346xb	ppb	287.364	0.0	1788687
K 766.491	1645.41b	ppb	6.7778	0.4	79333.6
Mg 279.078	9527.77b	ppb	20.8731	0.2	28092.2
Mn 257.610	7207.57b	ppb	8.4923	0.1	1813775
Mo 202.032	13.8400b	ppb	0.4671	3.4	54.3487
Na 330.237	-210.387b	ppb	121.185	57.6	-268.116
Ni 231.604	73.5579b	ppb	0.5834	0.8	336.448
Pb 220.353	274.710b	ppb	3.5863	1.3	537.085
Sb 206.834	12.8432b	ppb	3.5989	28.0	45.3598
Se 196.026	-23.3448b	ppb	9.0202	38.6	5.4597
Sn 189.925	24.0628b	ppb	3.9014	16.2	13.5109
Sr 216.596	47.5223b	ppb	0.5314	1.1	1999.13
Ti 334.941	676.331b	ppb	1.9267	0.3	227512
Tl 190.794	-0.5858b	ppb	3.6109	616.4	-173.416
V 292.401	1380.71b	ppb	4.0759	0.3	42752.6
Zn 206.200	348.809b	ppb	3.1402	0.9	361.336

680-109515-b-4-a (Samp) **2/3/2015, 6:45:04 PM** **Rack 1, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	-3.1748u	-3.4508u	-3.0223u
Al 308.215	130011	129530	129706
As 188.980	207.843	203.325	203.213
B 249.678	3.1321u	4.7914u	3.5799u
Ba 389.178	1743.84	1738.54	1740.98
Be 313.042	17.3314	17.2887	17.2834
Ca 370.602	15384	15295	15306
Cd 226.502	-4.6228	-4.2177	-4.3121
Co 228.615	278.079	274.890	274.462
Cr 267.716	347.043	345.801	346.251
Cu 324.754	29.0634	29.9608	29.4644
Fe 271.441	597712	597486	595901
K 766.491	1815.33	1820.08	1814.32
Mg 279.078	11857.9	11828.2	11864.8
Mn 257.610	32106.6x	32187.9x	32123.4x
Mo 202.032	7.6656	7.9996	7.5964
Na 330.237	-176.678u	4.3796u	-94.4675u
Ni 231.604	98.9639	97.5472	99.6817
Pb 220.353	329.758	325.712	324.574
Sb 206.834	7.2155	6.7294	11.3882
Se 196.026	0.6452	-3.7421	-4.2874
Sn 189.925	18.3422	19.5255	18.1245
Sr 216.596	56.1207	57.2396	56.1616
Ti 334.941	488.241	487.614	487.409
Tl 190.794	5.3576u	8.9968u	6.9821u
V 292.401	881.992	880.918	880.537
Zn 206.200	324.931	322.418	333.465

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.2160b	ppb	0.2172	6.8	-229.497
Al 308.215	129749b	ppb	243.786	0.2	1020819

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	204.794b	ppb	2.6415	1.3	137.654
B 249.678	3.8345b	ppb	0.8585	22.4	-1491.12
Ba 389.178	1741.12b	ppb	2.6501	0.2	44305.9
Be 313.042	17.3012b	ppb	0.0263	0.2	36358.3
Ca 370.602	15328b	ppb	48.65	0.3	40222
Cd 226.502	-4.3842b	ppb	0.2120	4.8	2854.37
Co 228.615	275.810b	ppb	1.9761	0.7	3384.56
Cr 267.716	346.365b	ppb	0.6285	0.2	21454.9
Cu 324.754	29.4962b	ppb	0.4495	1.5	2659.50
Fe 271.441	597033b	ppb	987.054	0.2	1057001
K 766.491	1816.58b	ppb	3.0799	0.2	87553.9
Mg 279.078	11850.3b	ppb	19.4650	0.2	34433.3
Mn 257.610	32139.3xb	ppb	42.9411	0.1	8073800
Mo 202.032	7.7539b	ppb	0.2156	2.8	31.4870
Na 330.237	-88.9221b	ppb	90.6560	101.9	-146.961
Ni 231.604	98.7309b	ppb	1.0862	1.1	382.388
Pb 220.353	326.681b	ppb	2.7243	0.8	599.506
Sb 206.834	8.4443b	ppb	2.5610	30.3	28.1668
Se 196.026	-2.4614b	ppb	2.7042	109.9	17.9225
Sn 189.925	18.6641b	ppb	0.7539	4.0	9.2942
Sr 216.596	56.5073b	ppb	0.6346	1.1	1547.19
Ti 334.941	487.755b	ppb	0.4333	0.1	164055
Tl 190.794	7.1122b	ppb	1.8231	25.6	-80.9238
V 292.401	881.149b	ppb	0.7544	0.1	27302.7
Zn 206.200	326.938b	ppb	5.7902	1.8	352.131

680-109515-b-5-a (Samp) **2/3/2015, 6:49:38 PM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.6424u	-2.5182u	-2.7318u
Al 308.215	143597	143366	143817
As 188.980	249.176	243.830	246.950
B 249.678	6.7414u	5.6642u	6.2983u
Ba 389.178	659.491	659.525	660.901
Be 313.042	14.8541	14.8677	14.9320
Ca 370.602	95483	95349	95580
Cd 226.502	-3.7212	-3.1576	-3.1139
Co 228.615	106.796	107.011	107.399
Cr 267.716	610.676	609.743	611.299
Cu 324.754	220.654	221.422	221.140
Fe 271.441	416840	418293	419453
K 766.491	4202.04	4190.95	4217.33
Mg 279.078	49133.9	49091.0	49166.2
Mn 257.610	6269.83	6265.60	6233.03
Mo 202.032	8.4461	8.9767	9.4600
Na 330.237	1241.54u	1152.49u	1335.70u
Ni 231.604	155.308	154.429	156.256
Pb 220.353	280.775	281.936	287.380
Sb 206.834	11.5655	13.7010	13.9337
Se 196.026	-8.3155	-8.5329	-6.9299
Sn 189.925	24.7959	25.3904	21.9410
Sr 216.596	89.6703	89.7831	88.1169
Ti 334.941	795.479	794.731	797.869

Label	Replicates Concentration		
Tl 190.794	0.8664u	-3.7718u	0.5228u
V 292.401	836.575	836.174	838.925
Zn 206.200	418.169	422.268	417.292

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.6308	ppb	0.1073	4.1	-290.698
Al 308.215	143593	ppb	225.556	0.2	1129653
As 188.980	246.652	ppb	2.6851	1.1	169.079
B 249.678	6.2346	ppb	0.5414	8.7	-965.340
Ba 389.178	659.972	ppb	0.8047	0.1	17042.3
Be 313.042	14.8846	ppb	0.0416	0.3	31286.5
Ca 370.602	95471	ppb	116.1	0.1	279964
Cd 226.502	-3.3309	ppb	0.3387	10.2	1990.75
Co 228.615	107.069	ppb	0.3059	0.3	1339.18
Cr 267.716	610.573	ppb	0.7827	0.1	37201.8
Cu 324.754	221.072	ppb	0.3884	0.2	17143.1
Fe 271.441	418196	ppb	1309.50	0.3	740378
K 766.491	4203.44	ppb	13.2473	0.3	202187
Mg 279.078	49130.4	ppb	37.7632	0.1	145724
Mn 257.610	6256.15	ppb	20.1348	0.3	1573132
Mo 202.032	8.9609	ppb	0.5071	5.7	49.2475
Na 330.237	1243.24	ppb	91.6165	7.4	-24.9392
Ni 231.604	155.331	ppb	0.9133	0.6	556.538
Pb 220.353	283.364	ppb	3.5263	1.2	509.789
Sb 206.834	13.0667	ppb	1.3053	10.0	35.0246
Se 196.026	-7.9261	ppb	0.8696	11.0	7.0666
Sn 189.925	24.0424	ppb	1.8440	7.7	13.4969
Sr 216.596	89.1901	ppb	0.9311	1.0	1746.05
Ti 334.941	796.026	ppb	1.6391	0.2	267755
Tl 190.794	-0.7942	ppb	2.5844	325.4	-74.8013
V 292.401	837.225	ppb	1.4861	0.2	25994.3
Zn 206.200	419.243	ppb	2.6563	0.6	463.996

680-109515-b-7-a (Samp) **2/3/2015, 6:54:13 PM** **Rack 1, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	-2.2489u	-2.4629u	-1.9873u
Al 308.215	97481.8	97566.4	97601.1
As 188.980	38.9543	36.0420	39.2414
B 249.678	4.9419u	5.2348u	4.1681u
Ba 389.178	419.402	418.773	419.069
Be 313.042	11.1485	11.1724	11.1614
Ca 370.602	27351	27349	27354
Cd 226.502	-1.1817	-1.1000	-0.9679
Co 228.615	23.6409	23.8830	23.1107
Cr 267.716	206.956	207.523	207.179
Cu 324.754	37.2936	37.6540	38.0162
Fe 271.441	117740	117886	117848
K 766.491	1879.22	1882.31	1880.61
Mg 279.078	12001.6	12019.0	11991.9
Mn 257.610	800.440	801.124	800.771
Mo 202.032	2.1654	2.8718	2.5441
Na 330.237	688.260	755.050	597.508u

Label	Replicates Concentration		
Ni 231.604	38.5699	39.0794	39.0756
Pb 220.353	155.134	156.540	165.818
Sb 206.834	3.3975	1.2192	0.0975
Se 196.026	1.0625	-3.3639u	1.9480
Sn 189.925	14.5486	15.3978	13.9653
Sr 216.596	60.8244	61.8833	62.2527
Ti 334.941	191.046	191.396	191.526
Tl 190.794	3.4258u	-2.3429u	-0.1178u
V 292.401	291.670	292.547	292.382
Zn 206.200	190.893	186.737	186.668

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2330	ppb	0.2382	10.7	-227.464
Al 308.215	97549.8	ppb	61.3949	0.1	767476
As 188.980	38.0792	ppb	1.7701	4.6	20.9787
B 249.678	4.7816	ppb	0.5511	11.5	-191.396
Ba 389.178	419.081	ppb	0.3146	0.1	10634.2
Be 313.042	11.1608	ppb	0.0119	0.1	23353.2
Ca 370.602	27351	ppb	2.474	0.0	80197
Cd 226.502	-1.0832	ppb	0.1079	10.0	569.813
Co 228.615	23.5449	ppb	0.3950	1.7	293.576
Cr 267.716	207.219	ppb	0.2856	0.1	12615.3
Cu 324.754	37.6546	ppb	0.3613	1.0	3072.72
Fe 271.441	117825	ppb	75.6979	0.1	208606
K 766.491	1880.71	ppb	1.5472	0.1	90634.2
Mg 279.078	12004.2	ppb	13.7002	0.1	35613.1
Mn 257.610	800.778	ppb	0.3423	0.0	201682
Mo 202.032	2.5271	ppb	0.3535	14.0	18.3089
Na 330.237	680.273	ppb	79.0740	11.6	31.9910
Ni 231.604	38.9083	ppb	0.2931	0.8	137.305
Pb 220.353	159.164	ppb	5.8052	3.6	283.286
Sb 206.834	1.5714	ppb	1.6780	106.8	6.9851
Se 196.026	-0.1178	ppb	2.8459	2415.8	6.6473
Sn 189.925	14.6372	ppb	0.7203	4.9	6.1496
Sr 216.596	61.6535	ppb	0.7414	1.2	958.594
Ti 334.941	191.323	ppb	0.2486	0.1	64320.4
Tl 190.794	0.3217	ppb	2.9093	904.3	-26.7891
V 292.401	292.200	ppb	0.4661	0.2	9078.82
Zn 206.200	188.099	ppb	2.4196	1.3	211.300

680-109515-b-8-a (Samp) **2/3/2015, 6:58:48 PM** **Rack 1, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	-2.8756u	-2.8178u	-3.6484u
Al 308.215	112077	112158	111594
As 188.980	55.6196	57.7013	64.0006
B 249.678	4.1943u	4.8461u	3.9070u
Ba 389.178	384.513	384.650	382.547
Be 313.042	13.6470	13.6353	13.5699
Ca 370.602	29635	29486	29480
Cd 226.502	-1.9680	-2.1584	-2.1060
Co 228.615	38.5818	37.9257	37.7301
Cr 267.716	226.316	226.518	226.005

Label	Replicates Concentration		
Cu 324.754	57.4913	57.2138	57.3355
Fe 271.441	208062	208001	207507
K 766.491	2362.71	2357.20	2348.25
Mg 279.078	13892.0	13909.0	13869.0
Mn 257.610	2078.71	2078.51	2073.90
Mo 202.032	2.9015	3.1230	3.4062
Na 330.237	831.802u	1042.46u	834.066u
Ni 231.604	50.1792	48.6896	48.2392
Pb 220.353	216.864	214.819	210.208
Sb 206.834	3.8702	4.8226	4.8965
Se 196.026	-7.0833u	7.1762	-1.4631
Sn 189.925	18.2990	16.0820	13.6601
Sr 216.596	59.0634	60.4500	59.7940
Ti 334.941	197.269	197.462	196.403
Tl 190.794	1.4102u	1.9295u	3.6932u
V 292.401	341.867	343.114	341.090
Zn 206.200	496.624	496.486	496.574

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.1139	ppb	0.4638	14.9	-319.009
Al 308.215	111943	ppb	305.334	0.3	880675
As 188.980	59.1072	ppb	4.3638	7.4	35.4850
B 249.678	4.3158	ppb	0.4812	11.1	-440.978
Ba 389.178	383.903	ppb	1.1769	0.3	9832.09
Be 313.042	13.6174	ppb	0.0415	0.3	28555.9
Ca 370.602	29534	ppb	88.01	0.3	85750
Cd 226.502	-2.0775	ppb	0.0983	4.7	981.265
Co 228.615	38.0792	ppb	0.4461	1.2	475.908
Cr 267.716	226.280	ppb	0.2581	0.1	13823.1
Cu 324.754	57.3469	ppb	0.1391	0.2	4609.52
Fe 271.441	207857	ppb	304.038	0.1	367995
K 766.491	2356.06	ppb	7.2971	0.3	113463
Mg 279.078	13890.0	ppb	20.0805	0.1	41178.5
Mn 257.610	2077.04	ppb	2.7215	0.1	522535
Mo 202.032	3.1436	ppb	0.2530	8.0	18.2111
Na 330.237	902.775	ppb	120.974	13.4	12.0305
Ni 231.604	49.0360	ppb	1.0153	2.1	179.701
Pb 220.353	213.964	ppb	3.4090	1.6	380.111
Sb 206.834	4.5298	ppb	0.5724	12.6	13.3383
Se 196.026	-0.4568	ppb	7.1828	1572.5	7.6737
Sn 189.925	16.0137	ppb	2.3202	14.5	7.2248
Sr 216.596	59.7692	ppb	0.6936	1.2	1059.56
Ti 334.941	197.044	ppb	0.5641	0.3	66261.3
Tl 190.794	2.3443	ppb	1.1967	51.0	-38.8306
V 292.401	342.023	ppb	1.0211	0.3	10598.5
Zn 206.200	496.561	ppb	0.0699	0.0	561.218

680-109515-b-9-a (Samp) **2/3/2015, 7:03:24 PM** **Rack 1, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	-1.2624u	-1.2199u	-1.2602u
Al 308.215	87360.5	87327.3	87632.1
As 188.980	92.4060	89.4307	92.4460

Label	Replicates Concentration		
B 249.678	28.4607	28.1727	28.7727
Ba 389.178	556.644	557.610	558.541
Be 313.042	7.6684	7.6660	7.6944
Ca 370.602	62463	62547	62644
Cd 226.502	3.2856	3.4557	3.6325
Co 228.615	66.4447	66.8361	66.6346
Cr 267.716	201.788	201.736	202.598
Cu 324.754	215.502	216.349	216.705
Fe 271.441	161857	162234	162518
K 766.491	5632.01	5659.42	5676.70
Mg 279.078	22836.2	22812.4	22889.8
Mn 257.610	5013.76	5004.85	5033.06
Mo 202.032	7.6694	7.2886	7.0810
Na 330.237	683.078u	798.341u	712.346u
Ni 231.604	79.3402	78.4392	80.2018
Pb 220.353	682.325	678.805	685.581
Sb 206.834	6.7808	7.3225	7.8043
Se 196.026	-1.6586	3.1351	-1.8785
Sn 189.925	38.6325	36.4490	38.4195
Sr 216.596	127.962	127.634	129.347
Ti 334.941	663.255	663.768	667.073
Tl 190.794	1.9148u	2.1628u	3.2025u
V 292.401	250.616	250.879	252.027
Zn 206.200	2124.70	2118.37	2120.71

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2475	ppb	0.0239	1.9	-123.193
Al 308.215	87440.0	ppb	167.196	0.2	687978
As 188.980	91.4276	ppb	1.7294	1.9	59.0892
B 249.678	28.4687	ppb	0.3001	1.1	145.321
Ba 389.178	557.598	ppb	0.9485	0.2	14182.1
Be 313.042	7.6763	ppb	0.0158	0.2	15981.8
Ca 370.602	62551	ppb	91.04	0.1	184732
Cd 226.502	3.4579	ppb	0.1734	5.0	1009.57
Co 228.615	66.6385	ppb	0.1957	0.3	828.150
Cr 267.716	202.041	ppb	0.4830	0.2	12350.1
Cu 324.754	216.185	ppb	0.6178	0.3	16665.4
Fe 271.441	162203	ppb	331.258	0.2	287175
K 766.491	5656.05	ppb	22.5347	0.4	271951
Mg 279.078	22846.2	ppb	39.6178	0.2	67719.2
Mn 257.610	5017.22	ppb	14.4206	0.3	1260862
Mo 202.032	7.3463	ppb	0.2984	4.1	51.0280
Na 330.237	731.255	ppb	59.9131	8.2	-24.9046
Ni 231.604	79.3271	ppb	0.8814	1.1	277.238
Pb 220.353	682.237	ppb	3.3891	0.5	1150.47
Sb 206.834	7.3025	ppb	0.5120	7.0	16.1552
Se 196.026	-0.1340	ppb	2.8332	2114.1	8.1130
Sn 189.925	37.8337	ppb	1.2039	3.2	24.2713
Sr 216.596	128.314	ppb	0.9090	0.7	1881.04
Ti 334.941	664.699	ppb	2.0720	0.3	223508
Tl 190.794	2.4267	ppb	0.6832	28.2	-29.4340
V 292.401	251.174	ppb	0.7500	0.3	7778.82
Zn 206.200	2121.26	ppb	3.1985	0.2	2423.94

Cont Calib Verif (CCV) **2/3/2015, 7:07:58 PM** **Rack 2, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	471.368	475.822	478.928
Al 308.215	4680.31	4713.22	4717.61
As 188.980	474.629	481.533	486.931
B 249.678	472.612	475.230	475.383
Ba 389.178	4781.45	4798.31	4813.35
Be 313.042	480.202	486.116	484.882
Ca 370.602	4828	4866	4880
Cd 226.502	483.680	485.346	484.654
Co 228.615	489.005	490.473	490.078
Cr 267.716	4918.87	4942.43	4941.81
Cu 324.754	4987.23	4984.34	4919.81
Fe 271.441	4722.09	4748.77	4737.39
K 766.491	10120.7	10202.2	10182.8
Mg 279.078	4834.84	4857.10	4864.07
Mn 257.610	4902.77	4904.28	4914.26
Mo 202.032	482.770	484.283	484.008
Na 330.237	7050.31	7203.30	7294.99
Ni 231.604	2395.93	2430.03	2419.09
Pb 220.353	483.938	487.660	485.596
Sb 206.834	949.715	957.846	952.848
Se 196.026	4802.07	4838.30	4824.14
Sn 189.925	4872.21	4884.18	4866.05
Sr 216.596	2395.59	2399.77	2402.98
Ti 334.941	468.948	471.071	471.397
Tl 190.794	4899.97	4909.76	4917.22
V 292.401	4827.58	4851.89	4852.67
Zn 206.200	2414.06	2417.73	2414.19

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	475.373	ppb	3.8000	0.8	44188.7	95.07452
Al 308.215	4703.71	ppb	20.3874	0.4	38095.7	94.07426
As 188.980	481.031	ppb	6.1663	1.3	340.690	96.20618
B 249.678	474.408	ppb	1.5577	0.3	9148.31	94.88165
Ba 389.178	4797.70	ppb	15.9598	0.3	120672	95.95408
Be 313.042	483.733	ppb	3.1198	0.6	1024061	96.74660
Ca 370.602	4858	ppb	26.68	0.5	14804	97.15924
Cd 226.502	484.560	ppb	0.8372	0.2	22980.6	96.91194
Co 228.615	489.852	ppb	0.7595	0.2	5923.02	97.97038
Cr 267.716	4934.37	ppb	13.4303	0.3	298480	98.68739
Cu 324.754	4963.79	ppb	38.1175	0.8	377459	99.27581
Fe 271.441	4736.08	ppb	13.3861	0.3	8505.07	94.72162
K 766.491	10168.6	ppb	42.5641	0.4	488674	101.68597
Mg 279.078	4852.00	ppb	15.2672	0.3	14318.7	97.04010
Mn 257.610	4907.11	ppb	6.2430	0.1	1232502	98.14211
Mo 202.032	483.687	ppb	0.8060	0.2	3501.79	96.73735
Na 330.237	7182.86	ppb	123.612	1.7	373.324	95.77153
Ni 231.604	2415.02	ppb	17.4094	0.7	8117.01	96.60070
Pb 220.353	485.731	ppb	1.8649	0.4	819.580	97.14625
Sb 206.834	953.470	ppb	4.1008	0.4	1468.94	95.34698
Se 196.026	4821.50	ppb	18.2584	0.4	2386.81	96.43010
Sn 189.925	4874.15	ppb	9.2172	0.2	3802.59	97.48297
Sr 216.596	2399.45	ppb	3.7026	0.2	30474.1	95.97796

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	470.472	ppb	1.3298	0.3	158141	94.09439
Tl 190.794	4908.98	ppb	8.6511	0.2	5823.88	98.17970
V 292.401	4844.05	ppb	14.2631	0.3	151270	96.88095
Zn 206.200	2415.33	ppb	2.0831	0.1	2756.53	96.61301

Cont Calib Blank (CCB) **2/3/2015, 7:12:32 PM** **Rack 2, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	-0.1365u	0.2225	-0.2138u
Al 308.215	6.0370	5.8382	4.6100
As 188.980	1.2390	4.4364	-2.5774u
B 249.678	1.6438	1.7768	1.5803
Ba 389.178	-0.3298u	-0.9695u	0.3660
Be 313.042	0.0126	0.0137	0.0175
Ca 370.602	3.054	-0.5170u	0.1890
Cd 226.502	0.0721	0.1316	-0.0876u
Co 228.615	-0.0445u	0.1796	-0.2593u
Cr 267.716	0.2080	0.2272	0.1609
Cu 324.754	0.3991	0.0379	0.1060
Fe 271.441	-1.7203u	1.1135	1.8547
K 766.491	0.5586	0.6510	0.5705
Mg 279.078	2.7794	1.7940	-2.5599u
Mn 257.610	0.2479	0.2130	0.2167
Mo 202.032	-0.1768u	0.0319	0.4311
Na 330.237	-24.2422u	12.2589	13.4523
Ni 231.604	0.0981	0.8408	0.6107
Pb 220.353	-0.1666u	-0.7634u	-0.7936u
Sb 206.834	1.8516	-0.4919u	1.8859
Se 196.026	-3.3161u	3.4759	-4.4932u
Sn 189.925	1.3878	-0.5421u	-2.2707u
Sr 216.596	0.0224	0.6809	-0.1086u
Ti 334.941	0.1152	0.1210	0.1046
Tl 190.794	2.5189	-0.1930u	2.4190
V 292.401	0.0007u	0.0697	0.2774
Zn 206.200	1.0422	0.5941	0.7693

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0426	ppb	0.2328	546.2	-4.5746	-0.04263
Al 308.215	5.4951	ppb	0.7729	14.1	387.969	5.49508
As 188.980	1.0327	ppb	3.5115	340.0	-4.8686	1.03268
B 249.678	1.6670	ppb	0.1002	6.0	63.4828	1.66698
Ba 389.178	-0.3111	ppb	0.6679	214.7	-46.2214	-0.31110
Be 313.042	0.0146	ppb	0.0026	17.7	-279.184	0.01463
Ca 370.602	0.9085	ppb	1.891	208.1	19.80	0.90852
Cd 226.502	0.0387	ppb	0.1133	292.8	23.6275	0.03870
Co 228.615	-0.0414	ppb	0.2195	530.2	-4.7341	-0.04139
Cr 267.716	0.1987	ppb	0.0342	17.2	26.1442	0.19870
Cu 324.754	0.1810	ppb	0.1919	106.0	175.348	0.18099
Fe 271.441	0.4160	ppb	1.8868	453.6	11.9301	0.41597
K 766.491	0.5934	ppb	0.0502	8.5	338.230	0.59336
Mg 279.078	0.6712	ppb	2.8412	423.3	24.7750	0.67118
Mn 257.610	0.2258	ppb	0.0192	8.5	113.407	0.22584
Mo 202.032	0.0954	ppb	0.3089	323.7	6.9317	0.09542

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	0.4897	ppb	21.4267	4375.7	30.9632	0.48968
Ni 231.604	0.5165	ppb	0.3802	73.6	-2.7374	0.51651
Pb 220.353	-0.5746	ppb	0.3536	61.5	12.5697	-0.57456
Sb 206.834	1.0819	ppb	1.3631	126.0	1.2518	1.08186
Se 196.026	-1.4445	ppb	4.3016	297.8	4.6468	-1.44448
Sn 189.925	-0.4750	ppb	1.8301	385.3	-5.6567	-0.47501
Sr 216.596	0.1982	ppb	0.4231	213.4	3.7957	0.19823
Ti 334.941	0.1136	ppb	0.0083	7.3	-14.8293	0.11358
Tl 190.794	1.5816	ppb	1.5377	97.2	-6.3474	1.58162
V 292.401	0.1160	ppb	0.1440	124.2	-3.8633	0.11596
Zn 206.200	0.8019	ppb	0.2258	28.2	1.6027	0.80186

680-109515-a-10-a (Samp) **2/3/2015, 7:17:06 PM** **Rack 2, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-1.9527u	-1.7031u	-1.4687u
Al 308.215	117593	117794	117423
As 188.980	213.295	215.868	218.480
B 249.678	19.6782u	18.8276u	20.0322u
Ba 389.178	595.008	598.384	595.558
Be 313.042	7.7319	7.7680	7.7616
Ca 370.602	167100	166726	166672
Cd 226.502	-1.7969	-1.7295	-1.5906
Co 228.615	73.5766	73.6009	73.4083
Cr 267.716	596.742	599.486	597.367
Cu 324.754	229.664	230.616	230.648
Fe 271.441	373946	375580	375256
K 766.491	3636.20	3650.51	3652.96
Mg 279.078	42335.0	42461.7	42280.2
Mn 257.610	8899.71	8959.20	8915.87
Mo 202.032	17.4607	17.2848	16.9385
Na 330.237	847.988u	727.154u	924.013u
Ni 231.604	120.279	121.701	123.085
Pb 220.353	402.756	405.834	402.175
Sb 206.834	10.4609	11.5394	13.8344
Se 196.026	-2.2239	6.5825	-5.5232
Sn 189.925	37.7310	31.1056	29.7891
Sr 216.596	201.627	200.875	201.574
Ti 334.941	1319.00	1326.00	1322.27
Tl 190.794	0.1339u	0.8653u	-3.0395u
V 292.401	636.026	639.725	638.124
Zn 206.200	742.771	734.012	730.086

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7082	ppb	0.2420	14.2	-186.451
Al 308.215	117603	ppb	186.074	0.2	925250
As 188.980	215.881	ppb	2.5929	1.2	147.220
B 249.678	19.5127	ppb	0.6191	3.2	-594.645
Ba 389.178	596.317	ppb	1.8112	0.3	15387.2
Be 313.042	7.7538	ppb	0.0193	0.2	16203.0
Ca 370.602	166832	ppb	232.9	0.1	492975
Cd 226.502	-1.7057	ppb	0.1052	6.2	1846.20
Co 228.615	73.5286	ppb	0.1049	0.1	942.097

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	597.865	ppb	1.4383	0.2	36427.8
Cu 324.754	230.309	ppb	0.5593	0.2	17829.3
Fe 271.441	374927	ppb	865.150	0.2	663773
K 766.491	3646.56	ppb	9.0540	0.2	175442
Mg 279.078	42359.0	ppb	93.0605	0.2	125565
Mn 257.610	8924.93	ppb	30.7640	0.3	2243167
Mo 202.032	17.2280	ppb	0.2657	1.5	111.487
Na 330.237	833.052	ppb	99.2757	11.9	-43.7963
Ni 231.604	121.689	ppb	1.4030	1.2	439.444
Pb 220.353	403.588	ppb	1.9659	0.5	705.836
Sb 206.834	11.9449	ppb	1.7229	14.4	32.2113
Se 196.026	-0.3882	ppb	6.2581	1611.9	11.0265
Sn 189.925	32.8752	ppb	4.2564	12.9	20.3973
Sr 216.596	201.359	ppb	0.4193	0.2	3143.86
Ti 334.941	1322.42	ppb	3.5040	0.3	444722
Tl 190.794	-0.6801	ppb	2.0758	305.2	-66.3254
V 292.401	637.958	ppb	1.8549	0.3	19778.4
Zn 206.200	735.623	ppb	6.4942	0.9	828.027

680-109515-a-11-a (Samp) **2/3/2015, 7:21:40 PM** **Rack 2, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-1.5360u	-1.9288u	-1.0985u
Al 308.215	97384.5	97393.7	97789.3
As 188.980	163.945	170.396	159.859
B 249.678	11.1962u	10.9648u	10.9598u
Ba 389.178	686.738	687.453	688.789
Be 313.042	6.3923	6.4087	6.4401
Ca 370.602	59035	59106	59130
Cd 226.502	-2.9378	-2.9648	-2.7433
Co 228.615	78.2456	76.9737	78.3658
Cr 267.716	292.628	293.543	294.963
Cu 324.754	167.967	169.186	171.049
Fe 271.441	284341	284652	285462
K 766.491	3059.94	3059.63	3074.68
Mg 279.078	19922.6	19935.7	19994.3
Mn 257.610	6085.35	6096.82	6116.50
Mo 202.032	12.2756	11.6964	12.1650
Na 330.237	1566.11u	1553.84u	1823.33
Ni 231.604	96.5239	97.5583	97.0005
Pb 220.353	284.441	288.334	293.164
Sb 206.834	4.6348	9.3203	5.7517
Se 196.026	1.8779	-1.9323	-2.2946
Sn 189.925	22.3453	25.0500	25.0178
Sr 216.596	104.065	105.481	104.941
Ti 334.941	814.552	815.304	818.730
Tl 190.794	3.6096u	4.5029u	0.7299u
V 292.401	457.060	457.831	458.564
Zn 206.200	498.638	495.472	498.482

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5211	ppb	0.4154	27.3	-164.166
Al 308.215	97522.5	ppb	231.101	0.2	767308

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	164.733	ppb	5.3128	3.2	111.020
B 249.678	11.0403	ppb	0.1350	1.2	-516.672
Ba 389.178	687.660	ppb	1.0414	0.2	17553.8
Be 313.042	6.4137	ppb	0.0243	0.4	13315.4
Ca 370.602	59090	ppb	49.57	0.1	173214
Cd 226.502	-2.8820	ppb	0.1208	4.2	1332.52
Co 228.615	77.8617	ppb	0.7714	1.0	976.103
Cr 267.716	293.712	ppb	1.1766	0.4	17965.4
Cu 324.754	169.401	ppb	1.5518	0.9	13161.0
Fe 271.441	284818	ppb	578.288	0.2	504248
K 766.491	3064.75	ppb	8.6048	0.3	147500
Mg 279.078	19950.8	ppb	38.1656	0.2	59092.4
Mn 257.610	6099.56	ppb	15.7554	0.3	1533083
Mo 202.032	12.0457	ppb	0.3075	2.6	78.6851
Na 330.237	1647.76	ppb	152.171	9.2	32.6006
Ni 231.604	97.0276	ppb	0.5177	0.5	348.116
Pb 220.353	288.646	ppb	4.3695	1.5	509.517
Sb 206.834	6.5689	ppb	2.4474	37.3	18.5546
Se 196.026	-0.7830	ppb	2.3115	295.2	9.2547
Sn 189.925	24.1377	ppb	1.5524	6.4	13.5717
Sr 216.596	104.829	ppb	0.7145	0.7	1749.10
Ti 334.941	816.195	ppb	2.2271	0.3	274456
Tl 190.794	2.9475	ppb	1.9717	66.9	-48.6006
V 292.401	457.818	ppb	0.7520	0.2	14190.3
Zn 206.200	497.531	ppb	1.7848	0.4	559.322

680-109515-b-12-a (Samp) **2/3/2015, 7:26:14 PM** **Rack 2, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-2.2933u	-2.4409u	-2.4535u
Al 308.215	120949	120686	120499
As 188.980	84.3991	69.9764	72.0557
B 249.678	9.7651u	9.6753u	9.3403u
Ba 389.178	570.494	570.340	568.394
Be 313.042	13.0809	12.9648	13.0371
Ca 370.602	48272	48305	48593
Cd 226.502	-0.0493	-0.2226	-0.3966
Co 228.615	39.0122	39.3432	39.3426
Cr 267.716	200.728	200.750	200.483
Cu 324.754	109.616	109.417	107.975
Fe 271.441	175248	174862	175136
K 766.491	2708.91	2695.94	2682.45
Mg 279.078	21029.3	21007.2	21012.7
Mn 257.610	1523.92	1521.02	1523.59
Mo 202.032	3.7356	4.2945	3.8234
Na 330.237	1044.54u	1066.43u	1015.11u
Ni 231.604	66.3703	64.4893	66.1345
Pb 220.353	344.131	342.070	340.800
Sb 206.834	8.1138	3.2062	5.1701
Se 196.026	-3.5079	6.5321	-2.4321
Sn 189.925	20.4556	22.6961	21.0522
Sr 216.596	94.2394	95.6970	94.7723
Ti 334.941	273.979	273.301	272.630

Label	Replicates Concentration		
Tl 190.794	1.7680u	0.3976u	3.0653u
V 292.401	294.936	293.746	293.860
Zn 206.200	573.808	568.712	570.729

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.3959	ppb	0.0891	3.7	-250.704
Al 308.215	120711	ppb	225.935	0.2	949612
As 188.980	75.4771	ppb	7.7963	10.3	47.5094
B 249.678	9.5936	ppb	0.2239	2.3	-251.815
Ba 389.178	569.743	ppb	1.1703	0.2	14494.7
Be 313.042	13.0276	ppb	0.0586	0.5	27313.5
Ca 370.602	48390	ppb	176.8	0.4	142204
Cd 226.502	-0.2228	ppb	0.1737	77.9	901.823
Co 228.615	39.2327	ppb	0.1909	0.5	489.113
Cr 267.716	200.654	ppb	0.1482	0.1	12253.1
Cu 324.754	109.003	ppb	0.8958	0.8	8522.39
Fe 271.441	175082	ppb	198.659	0.1	309972
K 766.491	2695.77	ppb	13.2317	0.5	129778
Mg 279.078	21016.4	ppb	11.5461	0.1	62350.7
Mn 257.610	1522.84	ppb	1.5852	0.1	383302
Mo 202.032	3.9512	ppb	0.3006	7.6	25.7549
Na 330.237	1042.03	ppb	25.7487	2.5	27.0486
Ni 231.604	65.6647	ppb	1.0247	1.6	232.578
Pb 220.353	342.334	ppb	1.6814	0.5	589.370
Sb 206.834	5.4967	ppb	2.4700	44.9	13.7785
Se 196.026	0.1974	ppb	5.5124	2793.0	7.5394
Sn 189.925	21.4013	ppb	1.1603	5.4	11.4339
Sr 216.596	94.9029	ppb	0.7375	0.8	1468.45
Ti 334.941	273.303	ppb	0.6742	0.2	91911.8
Tl 190.794	1.7436	ppb	1.3340	76.5	-34.3632
V 292.401	294.181	ppb	0.6568	0.2	9116.78
Zn 206.200	571.083	ppb	2.5663	0.4	647.857

680-109515-b-13-a (Samp) **2/3/2015, 7:30:48 PM** **Rack 2, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	-3.8199u	-4.0309u	-3.9430u
Al 308.215	143726	143892	143553
As 188.980	111.257	110.756	110.820
B 249.678	4.2696u	4.0189u	3.4916u
Ba 389.178	491.102	494.142	492.918
Be 313.042	18.7414	18.7860	18.7220
Ca 370.602	34087	34153	33917
Cd 226.502	-3.1848	-3.1379	-2.6703
Co 228.615	75.3536	76.0086	76.3340
Cr 267.716	238.852	240.039	238.657
Cu 324.754	60.7427	60.2727	60.6737
Fe 271.441	350791	351524	350117
K 766.491	2601.09	2591.07	2600.64
Mg 279.078	17889.5	17937.4	17891.8
Mn 257.610	2151.61	2157.10	2149.45
Mo 202.032	3.9930	4.2562	3.9999
Na 330.237	842.279u	744.907u	695.354u

Label	Replicates Concentration		
Ni 231.604	67.5627	66.3817	66.8538
Pb 220.353	249.506	247.763	258.369
Sb 206.834	5.9822	2.1800	3.6721
Se 196.026	-7.7056	-8.1471u	-11.9684u
Sn 189.925	18.4236	21.5867	16.5942
Sr 216.596	74.2153	74.3552	74.3342
Ti 334.941	219.919	220.503	220.178
Tl 190.794	2.1202u	2.2788u	-3.4579u
V 292.401	480.112	481.065	480.531
Zn 206.200	317.868	321.217	321.546

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.9313	ppb	0.1060	2.7	-421.823
Al 308.215	143724	ppb	169.404	0.1	1130617
As 188.980	110.944	ppb	0.2723	0.2	71.8090
B 249.678	3.9267	ppb	0.3971	10.1	-829.870
Ba 389.178	492.721	ppb	1.5293	0.3	12703.0
Be 313.042	18.7498	ppb	0.0328	0.2	39429.4
Ca 370.602	34052	ppb	121.4	0.4	97657
Cd 226.502	-2.9977	ppb	0.2844	9.5	1664.34
Co 228.615	75.8987	ppb	0.4994	0.7	943.892
Cr 267.716	239.183	ppb	0.7479	0.3	14679.4
Cu 324.754	60.5630	ppb	0.2538	0.4	4916.14
Fe 271.441	350811	ppb	703.361	0.2	621077
K 766.491	2597.60	ppb	5.6632	0.2	125064
Mg 279.078	17906.3	ppb	26.9828	0.2	53090.8
Mn 257.610	2152.72	ppb	3.9467	0.2	542073
Mo 202.032	4.0830	ppb	0.1500	3.7	17.7158
Na 330.237	760.847	ppb	74.7484	9.8	-31.0072
Ni 231.604	66.9327	ppb	0.5944	0.9	253.063
Pb 220.353	251.880	ppb	5.6873	2.3	452.230
Sb 206.834	3.9448	ppb	1.9157	48.6	15.3744
Se 196.026	-9.2737	ppb	2.3441	25.3	4.7307
Sn 189.925	18.8681	ppb	2.5258	13.4	9.4545
Sr 216.596	74.3016	ppb	0.0754	0.1	1442.16
Ti 334.941	220.200	ppb	0.2927	0.1	74076.3
Tl 190.794	0.3137	ppb	3.2673	1041.5	-65.0503
V 292.401	480.569	ppb	0.4779	0.1	14873.3
Zn 206.200	320.211	ppb	2.0351	0.6	353.869

680-109515-b-14-a (Samp) **2/3/2015, 7:35:22 PM** **Rack 2, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-3.0932u	-3.1573u	-3.1474u
Al 308.215	109249	109336	108877
As 188.980	186.673	185.916	180.658
B 249.678	21.2215u	20.4682u	21.1610u
Ba 389.178	784.364	785.870	784.252
Be 313.042	13.0224	13.0649	13.0155
Ca 370.602	92304	92513	91896
Cd 226.502	0.2749	0.5821	0.5102
Co 228.615	131.067	131.502	130.838
Cr 267.716	328.393	328.822	328.002

Label	Replicates Concentration		
Cu 324.754	201.828	200.120	202.881
Fe 271.441	344921	345477	343741
K 766.491	5595.88	5592.48	5593.26
Mg 279.078	23454.9	23507.4	23364.0
Mn 257.610	11688.4	11703.8	11677.7
Mo 202.032	11.6078	11.8797	12.5386
Na 330.237	518.263u	360.245u	530.110u
Ni 231.604	105.769	105.614	103.533
Pb 220.353	576.208	570.244	572.830
Sb 206.834	7.4906	5.7142	9.7943
Se 196.026	5.0882	-7.7567	-2.0639
Sn 189.925	44.8098	41.4331	46.2007
Sr 216.596	156.358	155.420	155.389
Ti 334.941	859.715	861.274	858.941
Tl 190.794	3.7067u	2.2484u	3.3805u
V 292.401	544.496	545.090	543.254
Zn 206.200	1469.77	1471.18	1459.52

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.1326	ppb	0.0345	1.1	-295.507
Al 308.215	109154	ppb	243.579	0.2	858789
As 188.980	184.416	ppb	3.2762	1.8	124.771
B 249.678	20.9502	ppb	0.4185	2.0	-486.499
Ba 389.178	784.829	ppb	0.9036	0.1	20058.3
Be 313.042	13.0343	ppb	0.0267	0.2	27347.8
Ca 370.602	92237	ppb	313.9	0.3	271314
Cd 226.502	0.4557	ppb	0.1607	35.3	1795.61
Co 228.615	131.135	ppb	0.3371	0.3	1625.51
Cr 267.716	328.406	ppb	0.4102	0.1	20125.9
Cu 324.754	201.610	ppb	1.3936	0.7	15635.2
Fe 271.441	344713	ppb	886.497	0.3	610289
K 766.491	5593.88	ppb	1.7821	0.0	268965
Mg 279.078	23442.1	ppb	72.5407	0.3	69329.0
Mn 257.610	11690.0	ppb	13.0894	0.1	2937313
Mo 202.032	12.0087	ppb	0.4786	4.0	75.3205
Na 330.237	469.539	ppb	94.8368	20.2	-73.8709
Ni 231.604	104.972	ppb	1.2486	1.2	380.267
Pb 220.353	573.094	ppb	2.9907	0.5	984.210
Sb 206.834	7.6664	ppb	2.0457	26.7	21.8152
Se 196.026	-1.5775	ppb	6.4362	408.0	10.8300
Sn 189.925	44.1479	ppb	2.4518	5.6	29.2038
Sr 216.596	155.722	ppb	0.5511	0.4	2492.24
Ti 334.941	859.977	ppb	1.1884	0.1	289193
Tl 190.794	3.1119	ppb	0.7653	24.6	-55.1612
V 292.401	544.280	ppb	0.9365	0.2	16869.7
Zn 206.200	1466.82	ppb	6.3649	0.4	1667.26

680-109515-a-16-a (Samp) **2/3/2015, 7:39:56 PM** **Rack 2, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-2.6088u	-2.9309u	-2.6239u
Al 308.215	116569	116488	116619
As 188.980	218.039	208.355	206.754

Label	Replicates Concentration		
B 249.678	15.5483u	15.1138u	15.5602u
Ba 389.178	824.371	821.665	822.903
Be 313.042	13.2194	13.1973	13.2223
Ca 370.602	18964	18981	19087
Cd 226.502	-3.0244	-3.5590	-3.6163
Co 228.615	128.433	128.004	128.821
Cr 267.716	414.402	413.701	414.521
Cu 324.754	80.7258	79.1595	78.9743
Fe 271.441	388412	388665	388415
K 766.491	6451.81	6415.60	6425.82
Mg 279.078	5548.23	5542.10	5551.24
Mn 257.610	13059.7	13101.8	13132.9
Mo 202.032	12.8963	13.7237	13.4432
Na 330.237	9.1172u	168.772u	-42.0947u
Ni 231.604	85.0140	85.4951	84.8643
Pb 220.353	333.760	330.389	328.849
Sb 206.834	7.6613	10.7511	9.8272
Se 196.026	-7.2530	-5.7430	-1.5506
Sn 189.925	30.3855	25.3689	26.4644
Sr 216.596	102.550	102.968	103.234
Ti 334.941	666.546	664.321	664.762
Tl 190.794	3.1060u	5.1845u	5.3825u
V 292.401	511.641	511.114	510.914
Zn 206.200	462.977	463.232	466.433

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7212	ppb	0.1818	6.7	-255.057
Al 308.215	116559	ppb	66.3570	0.1	917016
As 188.980	211.050	ppb	6.1056	2.9	143.642
B 249.678	15.4074	ppb	0.2544	1.7	-710.929
Ba 389.178	822.980	ppb	1.3545	0.2	21014.4
Be 313.042	13.2130	ppb	0.0137	0.1	27693.8
Ca 370.602	19010	ppb	66.70	0.4	53006
Cd 226.502	-3.3999	ppb	0.3264	9.6	1837.98
Co 228.615	128.419	ppb	0.4088	0.3	1591.68
Cr 267.716	414.208	ppb	0.4427	0.1	25347.8
Cu 324.754	79.6199	ppb	0.9622	1.2	6381.89
Fe 271.441	388498	ppb	145.378	0.0	687802
K 766.491	6431.07	ppb	18.6668	0.3	309173
Mg 279.078	5547.19	ppb	4.6593	0.1	16152.0
Mn 257.610	13098.1	ppb	36.7518	0.3	3290956
Mo 202.032	13.3544	ppb	0.4208	3.2	82.8930
Na 330.237	45.2648	ppb	109.983	243.0	-85.1935
Ni 231.604	85.1244	ppb	0.3296	0.4	317.626
Pb 220.353	331.000	ppb	2.5119	0.8	588.105
Sb 206.834	9.4132	ppb	1.5860	16.8	26.3744
Se 196.026	-4.8489	ppb	2.9545	60.9	9.9920
Sn 189.925	27.4063	ppb	2.6376	9.6	16.1245
Sr 216.596	102.917	ppb	0.3446	0.3	1852.38
Ti 334.941	665.210	ppb	1.1782	0.2	223678
Tl 190.794	4.5577	ppb	1.2611	27.7	-60.2327
V 292.401	511.223	ppb	0.3755	0.1	15809.1
Zn 206.200	464.214	ppb	1.9255	0.4	517.016

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680-109515-a-17-a (Samp) **2/3/2015, 7:44:31 PM** **Rack 2, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-4.4251u	-3.8570u	-4.1510u
Al 308.215	174753	174643	174862
As 188.980	435.768	444.585	457.639
B 249.678	10.0235u	11.6885u	12.3538u
Ba 389.178	1773.03	1770.03	1771.06
Be 313.042	24.3289	24.2595	24.2536
Ca 370.602	15824	15768	15791
Cd 226.502	-7.2589	-6.5076	-5.1354
Co 228.615	458.018	456.595	458.629
Cr 267.716	1027.34	1024.71	1026.15
Cu 324.754	88.6629	86.4901	86.7056
Fe 271.441	984609x	978457x	979591x
K 766.491	4053.46	4044.80	4053.79
Mg 279.078	4667.24	4647.72	4656.09
Mn 257.610	40966.1x	40690.9x	40763.1x
Mo 202.032	36.1162	35.3658	35.9829
Na 330.237	-301.813u	-404.752u	-350.960u
Ni 231.604	151.288	148.457	152.156
Pb 220.353	507.722	500.912	500.356
Sb 206.834	10.0141	14.5824	15.3804
Se 196.026	-23.4618	-8.3415	-1.0465
Sn 189.925	25.8774	20.8061	24.0661
Sr 216.596	88.7776	89.1447	88.5421
Ti 334.941	795.532	796.454	795.378
Tl 190.794	8.3616u	8.5167u	10.9308u
V 292.401	1296.49	1293.13	1294.25
Zn 206.200	379.449	375.932	379.485

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.1444b	ppb	0.2841	6.9	-338.958
Al 308.215	174753b	ppb	109.555	0.1	1374811
As 188.980	445.997b	ppb	11.0035	2.5	308.658
B 249.678	11.3552b	ppb	1.2003	10.6	-2371.89
Ba 389.178	1771.37b	ppb	1.5256	0.1	45384.4
Be 313.042	24.2807b	ppb	0.0419	0.2	51141.5
Ca 370.602	15794b	ppb	28.07	0.2	37830
Cd 226.502	-6.3006b	ppb	1.0768	17.1	4716.44
Co 228.615	457.747b	ppb	1.0433	0.2	5619.34
Cr 267.716	1026.07b	ppb	1.3148	0.1	62822.2
Cu 324.754	87.2862b	ppb	1.1971	1.4	7220.21
Fe 271.441	980885xb	ppb	3273.98	0.3	1736575
K 766.491	4050.68b	ppb	5.0964	0.1	194851
Mg 279.078	4657.02b	ppb	9.7950	0.2	12856.3
Mn 257.610	40806.7xb	ppb	142.637	0.3	10251823
Mo 202.032	35.8216b	ppb	0.4003	1.1	215.006
Na 330.237	-352.508b	ppb	51.4874	14.6	-268.872
Ni 231.604	150.634b	ppb	1.9344	1.3	592.127
Pb 220.353	502.997b	ppb	4.1019	0.8	918.919
Sb 206.834	13.3256b	ppb	2.8955	21.7	51.3453
Se 196.026	-10.9500b	ppb	11.4330	104.4	19.6224
Sn 189.925	23.5832b	ppb	2.5699	10.9	13.1363
Sr 216.596	88.8215b	ppb	0.3037	0.3	2483.99

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	795.788b	ppb	0.5822	0.1	267664
Tl 190.794	9.2697b	ppb	1.4406	15.5	-137.461
V 292.401	1294.62b	ppb	1.7134	0.1	40041.6
Zn 206.200	378.289b	ppb	2.0409	0.5	395.176

680-109515-a-18-a (Samp) **2/3/2015, 7:49:06 PM** **Rack 2, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	-3.0979u	-3.8651u	-3.6915u
Al 308.215	184242	184237	184519
As 188.980	286.969	279.985	278.045
B 249.678	9.5093u	7.9931u	9.8103u
Ba 389.178	763.616	763.279	765.406
Be 313.042	16.8879	16.8893	16.9073
Ca 370.602	26620	26594	26584
Cd 226.502	-5.7898	-6.1610	-5.8531
Co 228.615	158.603	159.835	158.741
Cr 267.716	956.164	956.451	957.230
Cu 324.754	52.8499	52.0613	51.8025
Fe 271.441	707908	710508	707374
K 766.491	4584.60	4582.32	4596.71
Mg 279.078	6242.71	6231.96	6231.65
Mn 257.610	8926.51	8938.45	8947.12
Mo 202.032	21.4646	21.0811	20.7098
Na 330.237	-178.377u	-68.6123u	-69.1199u
Ni 231.604	103.503	106.614	105.648
Pb 220.353	316.511	316.521	321.443
Sb 206.834	6.6747	10.6278	7.3356
Se 196.026	-2.6516	-8.3071	-13.0916
Sn 189.925	27.1317	22.1211	22.2061
Sr 216.596	99.6882	99.2294	98.7864
Ti 334.941	469.251	469.755	470.995
Tl 190.794	-2.0870u	-0.7757u	-1.2900u
V 292.401	922.075	923.128	923.239
Zn 206.200	305.879	305.478	306.661

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.5515	ppb	0.4023	11.3	-415.034
Al 308.215	184333	ppb	161.096	0.1	1450053
As 188.980	281.666	ppb	4.6933	1.7	192.235
B 249.678	9.1042	ppb	0.9739	10.7	-1685.55
Ba 389.178	764.100	ppb	1.1432	0.1	19813.6
Be 313.042	16.8949	ppb	0.0108	0.1	35511.1
Ca 370.602	26599	ppb	18.64	0.1	71919
Cd 226.502	-5.9346	ppb	0.1986	3.3	3344.40
Co 228.615	159.060	ppb	0.6748	0.4	1981.75
Cr 267.716	956.615	ppb	0.5517	0.1	58304.0
Cu 324.754	52.2379	ppb	0.5456	1.0	4438.07
Fe 271.441	708597	ppb	1676.49	0.2	1254492
K 766.491	4587.88	ppb	7.7340	0.2	220650
Mg 279.078	6235.44	ppb	6.2961	0.1	18262.2
Mn 257.610	8937.36	ppb	10.3486	0.1	2247124
Mo 202.032	21.0852	ppb	0.3774	1.8	122.412

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-105.370	ppb	63.2269	60.0	-177.844
Ni 231.604	105.255	ppb	1.5923	1.5	414.951
Pb 220.353	318.158	ppb	2.8448	0.9	587.958
Sb 206.834	8.2127	ppb	2.1175	25.8	37.8285
Se 196.026	-8.0168	ppb	5.2261	65.2	10.5108
Sn 189.925	23.8196	ppb	2.8687	12.0	13.3217
Sr 216.596	99.2347	ppb	0.4509	0.5	2246.94
Ti 334.941	470.000	ppb	0.8978	0.2	158093
Tl 190.794	-1.3843	ppb	0.6607	47.7	-122.972
V 292.401	922.814	ppb	0.6424	0.1	28524.2
Zn 206.200	306.006	ppb	0.6015	0.2	322.725

680-109515-a-19-a (Samp) **2/3/2015, 7:53:41 PM** **Rack 2, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	0.7235	0.9771	0.8396
Al 308.215	82966.3	82646.7	83026.0
As 188.980	335.987	326.636	330.219
B 249.678	39.6447u	39.1046u	39.0939u
Ba 389.178	1349.95	1345.04	1347.56
Be 313.042	11.5333	11.4824	11.5222
Ca 370.602	60790	60820	61012
Cd 226.502	5.2602	4.5704	5.1388
Co 228.615	98.4067	98.2473	98.1086
Cr 267.716	297.174	296.456	297.722
Cu 324.754	488.304	490.787	487.133
Fe 271.441	326836	326234	327480
K 766.491	13597.1	13485.8	13610.0
Mg 279.078	13408.8	13383.0	13407.8
Mn 257.610	12545.5	12522.1	12546.0
Mo 202.032	17.9067	16.9997	18.7205
Na 330.237	982.574u	894.354u	1071.20u
Ni 231.604	124.817	126.594	127.804
Pb 220.353	1356.90	1348.58	1359.45
Sb 206.834	12.1512	8.7307	7.9016
Se 196.026	0.8097	10.2893	4.8780
Sn 189.925	121.431	119.269	121.821
Sr 216.596	414.040	407.559	409.517
Ti 334.941	1529.68	1520.50	1526.13
Tl 190.794	2.7443u	1.3073u	6.3848u
V 292.401	308.804	307.502	308.843
Zn 206.200	3937.88	3932.58	3933.28

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8467	ppb	0.1270	15.0	72.9340
Al 308.215	82879.7	ppb	203.954	0.2	652148
As 188.980	330.947	ppb	4.7180	1.4	230.443
B 249.678	39.2811	ppb	0.3150	0.8	-86.3977
Ba 389.178	1347.52	ppb	2.4573	0.2	34172.6
Be 313.042	11.5126	ppb	0.0268	0.2	24095.0
Ca 370.602	60874	ppb	120.4	0.2	178560
Cd 226.502	4.9898	ppb	0.3683	7.4	1917.60
Co 228.615	98.2542	ppb	0.1492	0.2	1241.28

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	297.117	ppb	0.6351	0.2	18232.1
Cu 324.754	488.741	ppb	1.8662	0.4	37458.7
Fe 271.441	326850	ppb	623.144	0.2	578660
K 766.491	13564.3	ppb	68.3316	0.5	651759
Mg 279.078	13399.9	ppb	14.6401	0.1	39498.7
Mn 257.610	12537.8	ppb	13.6521	0.1	3150099
Mo 202.032	17.8756	ppb	0.8608	4.8	118.960
Na 330.237	982.708	ppb	88.4204	9.0	-100.823
Ni 231.604	126.405	ppb	1.5026	1.2	450.762
Pb 220.353	1354.98	ppb	5.6871	0.4	2273.60
Sb 206.834	9.5945	ppb	2.2527	23.5	23.8157
Se 196.026	5.3257	ppb	4.7556	89.3	14.2692
Sn 189.925	120.840	ppb	1.3744	1.1	89.1189
Sr 216.596	410.372	ppb	3.3243	0.8	5695.42
Ti 334.941	1525.44	ppb	4.6257	0.3	512912
Tl 190.794	3.4788	ppb	2.6172	75.2	-51.7620
V 292.401	308.383	ppb	0.7633	0.2	9498.75
Zn 206.200	3934.58	ppb	2.8767	0.1	4494.62

680-109515-b-20-a (Samp) **2/3/2015, 7:58:17 PM** **Rack 2, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	-4.0988u	-4.2182u	-4.2792u
Al 308.215	97977.7	97884.7	97977.2
As 188.980	275.413	274.989	270.704
B 249.678	7.6861u	8.0346u	8.0283u
Ba 389.178	5233.29	5226.49	5214.72
Be 313.042	17.5563	17.5246	17.5226
Ca 370.602	40861	40612	40665
Cd 226.502	-0.4698	0.0063	-0.4115
Co 228.615	355.159	356.218	356.753
Cr 267.716	485.256	484.055	485.136
Cu 324.754	373.068	373.967	378.566
Fe 271.441	441175	439878	438941
K 766.491	6535.19	6539.46	6529.52
Mg 279.078	10645.3	10635.0	10635.4
Mn 257.610	68428.9x	68217.1x	68561.7x
Mo 202.032	24.7139	24.1480	25.0346
Na 330.237	95.4565u	56.7036u	49.8696u
Ni 231.604	111.505	110.281	108.477
Pb 220.353	795.888	788.624	797.019
Sb 206.834	9.6743	8.1444	10.5674
Se 196.026	6.6785	3.4343	2.9495
Sn 189.925	33.5531	29.0154	31.1928
Sr 216.596	186.915	187.117	188.243
Ti 334.941	1037.85	1037.49	1036.41
Tl 190.794	30.7348	30.7798	21.4231u
V 292.401	606.751	605.474	605.708
Zn 206.200	1228.80	1235.13	1233.95

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.1987b	ppb	0.0918	2.2	-90.3310
Al 308.215	97946.5b	ppb	53.5792	0.1	770683

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	273.702b	ppb	2.6048	1.0	188.401
B 249.678	7.9163b	ppb	0.1994	2.5	-992.148
Ba 389.178	5224.84b	ppb	9.3951	0.2	131794
Be 313.042	17.5345b	ppb	0.0189	0.1	36831.8
Ca 370.602	40713b	ppb	131.2	0.3	118634
Cd 226.502	-0.2916b	ppb	0.2597	89.0	2246.10
Co 228.615	356.044b	ppb	0.8111	0.2	4355.36
Cr 267.716	484.815b	ppb	0.6618	0.1	29948.5
Cu 324.754	375.200b	ppb	2.9492	0.8	28874.1
Fe 271.441	439998b	ppb	1121.53	0.3	779005
K 766.491	6534.72b	ppb	4.9867	0.1	314151
Mg 279.078	10638.5b	ppb	5.8205	0.1	30026.1
Mn 257.610	68402.6xb	ppb	173.797	0.3	17180502
Mo 202.032	24.6322b	ppb	0.4489	1.8	161.853
Na 330.237	67.3430b	ppb	24.5854	36.5	-117.050
Ni 231.604	110.087b	ppb	1.5233	1.4	405.736
Pb 220.353	793.844b	ppb	4.5556	0.6	1367.57
Sb 206.834	9.4620b	ppb	1.2254	13.0	28.2152
Se 196.026	4.3541b	ppb	2.0275	46.6	28.7412
Sn 189.925	31.2538b	ppb	2.2695	7.3	19.1301
Sr 216.596	187.425b	ppb	0.7153	0.4	3006.15
Ti 334.941	1037.25b	ppb	0.7480	0.1	348781
Tl 190.794	27.6459b	ppb	5.3891	19.5	-10.0704
V 292.401	605.977b	ppb	0.6796	0.1	18750.1
Zn 206.200	1232.63b	ppb	3.3662	0.3	1395.10

Cont Calib Verif (CCV) **2/3/2015, 8:02:51 PM** **Rack 2, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	474.018	478.959	476.050
Al 308.215	4738.51	4741.14	4709.60
As 188.980	483.938	483.685	481.658
B 249.678	475.304	475.943	473.213
Ba 389.178	4805.29	4813.11	4787.86
Be 313.042	486.372	486.817	484.646
Ca 370.602	4876	4874	4854
Cd 226.502	482.487	481.621	479.910
Co 228.615	489.743	490.554	486.975
Cr 267.716	4938.07	4938.86	4919.97
Cu 324.754	4997.14	5030.82	4928.55
Fe 271.441	4755.18	4743.25	4730.60
K 766.491	10239.6	10263.1	10227.5
Mg 279.078	4855.17	4856.79	4835.28
Mn 257.610	4915.14	4923.04	4900.90
Mo 202.032	482.934	484.294	481.392
Na 330.237	7383.91	7328.03	7242.94
Ni 231.604	2443.92	2405.77	2398.02
Pb 220.353	480.443	482.290	482.109
Sb 206.834	950.816	952.584	953.396
Se 196.026	4841.12	4815.01	4800.37
Sn 189.925	4884.43	4877.93	4843.30
Sr 216.596	2406.54	2403.96	2375.65
Ti 334.941	472.838	473.221	470.864

Label	Replicates Concentration		
Tl 190.794	4905.62	4911.42	4878.08
V 292.401	4861.15	4858.49	4845.74
Zn 206.200	2394.02	2402.22	2384.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	476.342	ppb	2.4837	0.5	44279.2	95.26849
Al 308.215	4729.75	ppb	17.5033	0.4	38302.0	94.59500
As 188.980	483.094	ppb	1.2496	0.3	342.176	96.61871
B 249.678	474.820	ppb	1.4281	0.3	9156.17	94.96400
Ba 389.178	4802.09	ppb	12.9227	0.3	120782	96.04174
Be 313.042	485.945	ppb	1.1465	0.2	1028745	97.18904
Ca 370.602	4868	ppb	12.61	0.3	14835	97.36253
Cd 226.502	481.339	ppb	1.3116	0.3	22828.2	96.26783
Co 228.615	489.091	ppb	1.8766	0.4	5913.87	97.81822
Cr 267.716	4932.30	ppb	10.6889	0.2	298355	98.64600
Cu 324.754	4985.50	ppb	52.1218	1.0	379109	99.71006
Fe 271.441	4743.01	ppb	12.2935	0.3	8517.30	94.86013
K 766.491	10243.4	ppb	18.0890	0.2	492267	102.43419
Mg 279.078	4849.08	ppb	11.9807	0.2	14310.0	96.98158
Mn 257.610	4913.03	ppb	11.2180	0.2	1233990	98.26057
Mo 202.032	482.873	ppb	1.4520	0.3	3495.89	96.57469
Na 330.237	7318.30	ppb	70.9905	1.0	381.535	97.57727
Ni 231.604	2415.90	ppb	24.5728	1.0	8120.00	96.63619
Pb 220.353	481.614	ppb	1.0182	0.2	812.779	96.32282
Sb 206.834	952.265	ppb	1.3191	0.1	1467.08	95.22655
Se 196.026	4818.84	ppb	20.6429	0.4	2385.49	96.37671
Sn 189.925	4868.55	ppb	22.1076	0.5	3798.22	97.37100
Sr 216.596	2395.39	ppb	17.1374	0.7	30422.4	95.81546
Ti 334.941	472.308	ppb	1.2647	0.3	158758	94.46152
Tl 190.794	4898.37	ppb	17.8110	0.4	5811.31	97.96748
V 292.401	4855.13	ppb	8.2364	0.2	151617	97.10254
Zn 206.200	2393.42	ppb	9.1066	0.4	2731.46	95.73692

Cont Calib Blank (CCB) **2/3/2015, 8:07:25 PM** **Rack 2, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0352	-0.0842u	0.1492
Al 308.215	1.5540	2.6422	2.7091
As 188.980	2.0501	2.3032	-0.1743u
B 249.678	1.8274	1.2912	1.6102
Ba 389.178	0.2557	0.0442	-1.0908u
Be 313.042	0.0130	0.0124	0.0169
Ca 370.602	0.0796	2.270	1.691
Cd 226.502	0.0335	0.0557	0.0396
Co 228.615	0.0427	0.1661	-0.1087u
Cr 267.716	0.1750	0.3032	0.0960
Cu 324.754	0.0700	-0.1493u	-0.0415u
Fe 271.441	5.3559	0.4703	10.7463
K 766.491	1.4215	1.4760	1.3020
Mg 279.078	-0.3338u	0.6950	0.2771
Mn 257.610	0.9265	1.0441	1.2306
Mo 202.032	0.0191	-0.0499u	0.2322
Na 330.237	-109.062u	-79.6664u	6.6962

Label	Replicates Concentration		
Ni 231.604	0.1170	0.7795	-0.2472u
Pb 220.353	-1.0776u	-0.3367u	0.4964
Sb 206.834	3.9913	1.5799	2.7986
Se 196.026	1.2720	4.4302	3.2497
Sn 189.925	-0.4265u	0.0880	0.1680
Sr 216.596	0.3108	-0.1460u	-0.0546u
Ti 334.941	0.1186	0.1547	0.1081
Tl 190.794	2.7889	1.3097	1.4807
V 292.401	0.1391	-0.0880u	0.1217
Zn 206.200	-0.2003u	-0.2500u	0.3988

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0334	ppb	0.1167	349.2	2.5103	0.03342
Al 308.215	2.3018	ppb	0.6485	28.2	362.839	2.30176
As 188.980	1.3930	ppb	1.3632	97.9	-4.6090	1.39302
B 249.678	1.5762	ppb	0.2697	17.1	61.7319	1.57623
Ba 389.178	-0.2636	ppb	0.7241	274.7	-45.0272	-0.26364
Be 313.042	0.0141	ppb	0.0024	17.3	-280.290	0.01410
Ca 370.602	1.347	ppb	1.135	84.3	21.10	1.34700
Cd 226.502	0.0429	ppb	0.0115	26.8	23.8475	0.04294
Co 228.615	0.0334	ppb	0.1377	412.5	-3.8286	0.03337
Cr 267.716	0.1914	ppb	0.1046	54.6	25.7068	0.19136
Cu 324.754	-0.0403	ppb	0.1096	272.3	158.531	-0.04026
Fe 271.441	5.5241	ppb	5.1401	93.0	20.9716	5.52415
K 766.491	1.3998	ppb	0.0890	6.4	376.962	1.39984
Mg 279.078	0.2128	ppb	0.5174	243.2	23.3963	0.21277
Mn 257.610	1.0671	ppb	0.1534	14.4	324.678	1.06706
Mo 202.032	0.0671	ppb	0.1470	219.0	6.7268	0.06713
Na 330.237	-60.6773	ppb	60.1699	99.2	27.5555	-60.67733
Ni 231.604	0.2164	ppb	0.5205	240.5	-3.7463	0.21643
Pb 220.353	-0.3060	ppb	0.7874	257.3	13.0135	-0.30598
Sb 206.834	2.7899	ppb	1.2058	43.2	3.7786	2.78995
Se 196.026	2.9840	ppb	1.5958	53.5	6.8332	2.98397
Sn 189.925	-0.0568	ppb	0.3226	567.5	-5.3300	-0.05685
Sr 216.596	0.0367	ppb	0.2417	658.4	1.7387	0.03671
Ti 334.941	0.1272	ppb	0.0245	19.2	-10.2610	0.12715
Tl 190.794	1.8598	ppb	0.8092	43.5	-6.0178	1.85976
V 292.401	0.0576	ppb	0.1264	219.5	-5.6808	0.05759
Zn 206.200	-0.0172	ppb	0.3611	2102.5	0.6644	-0.01717

680-109515-b-21-a (Samp) **2/3/2015, 8:11:59 PM** **Rack 2, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-5.5531u	-5.0411u	-5.0827u
Al 308.215	86699.1	87010.7	87082.7
As 188.980	97.4318	92.0201	92.7419
B 249.678	6.0341u	7.0631u	6.8467u
Ba 389.178	2304.33	2312.29	2306.67
Be 313.042	14.0727	14.1427	14.1192
Ca 370.602	15848	15906	15959
Cd 226.502	-1.7970	-1.6497	-1.8006
Co 228.615	113.387	115.503	115.102
Cr 267.716	200.112	200.902	200.684

Label	Replicates Concentration		
Cu 324.754	89.9146	90.5594	89.8383
Fe 271.441	196229	197386	197329
K 766.491	4637.35	4639.68	4635.33
Mg 279.078	4962.95	4983.78	4984.05
Mn 257.610	33643.3x	33911.2x	33951.7x
Mo 202.032	8.6130	8.7371	9.2964
Na 330.237	-57.3977u	-15.8011u	-202.529u
Ni 231.604	56.3911	55.7710	56.4220
Pb 220.353	275.813	279.625	282.562
Sb 206.834	3.8717	2.0126	2.8901
Se 196.026	-6.9699	3.5317	-2.9807
Sn 189.925	15.8302	16.4699	20.9601
Sr 216.596	103.691	104.683	105.352
Ti 334.941	840.299	843.407	840.120
Tl 190.794	9.7259u	7.4391u	12.2779
V 292.401	311.957	313.688	312.268
Zn 206.200	320.664	323.463	323.969

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.2256b	ppb	0.2843	5.4	-334.363
Al 308.215	86930.9b	ppb	203.874	0.2	683988
As 188.980	94.0646b	ppb	2.9383	3.1	60.7407
B 249.678	6.6479b	ppb	0.5425	8.2	-367.053
Ba 389.178	2307.76b	ppb	4.0922	0.2	58193.7
Be 313.042	14.1115b	ppb	0.0356	0.3	29580.9
Ca 370.602	15904b	ppb	55.46	0.3	46474
Cd 226.502	-1.7491b	ppb	0.0861	4.9	939.855
Co 228.615	114.664b	ppb	1.1243	1.0	1415.17
Cr 267.716	200.566b	ppb	0.4079	0.2	12436.8
Cu 324.754	90.1041b	ppb	0.3962	0.4	7095.50
Fe 271.441	196981b	ppb	652.188	0.3	348751
K 766.491	4637.45b	ppb	2.1803	0.0	223031
Mg 279.078	4976.92b	ppb	12.1063	0.2	14001.0
Mn 257.610	33835.4xb	ppb	167.594	0.5	8498312
Mo 202.032	8.8822b	ppb	0.3641	4.1	60.3328
Na 330.237	-91.9092b	ppb	98.0311	106.7	-36.5134
Ni 231.604	56.1947b	ppb	0.3673	0.7	202.542
Pb 220.353	279.333b	ppb	3.3840	1.2	494.033
Sb 206.834	2.9248b	ppb	0.9300	31.8	10.3303
Se 196.026	-2.1397b	ppb	5.3011	247.8	14.5978
Sn 189.925	17.7534b	ppb	2.7954	15.7	8.5836
Sr 216.596	104.575b	ppb	0.8355	0.8	1608.97
Ti 334.941	841.275b	ppb	1.8479	0.2	282846
Tl 190.794	9.8143b	ppb	2.4206	24.7	-10.3572
V 292.401	312.638b	ppb	0.9230	0.3	9688.79
Zn 206.200	322.699b	ppb	1.7799	0.6	362.530

CRI (Samp) **2/3/2015, 8:16:33 PM** **Rack 2, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.8587	10.0779	9.9701
Al 308.215	198.915	197.506	201.967
As 188.980	21.4391	19.8925	19.4489

Label	Replicates Concentration		
B 249.678	99.2304	98.6683	100.279
Ba 389.178	9.7681	9.1041	10.2503
Be 313.042	4.1130	4.0993	4.1650
Ca 370.602	503.7	505.2	515.6
Cd 226.502	4.8805	4.7779	4.9819
Co 228.615	9.9828	10.3670	10.4417
Cr 267.716	10.1795	10.3239	10.5854
Cu 324.754	21.1865	20.7623	21.4696
Fe 271.441	62.3250	55.5228	63.1847
K 766.491	1074.51	1063.26	1086.60
Mg 279.078	505.778	506.163	515.760
Mn 257.610	12.3323	12.6833	13.1293
Mo 202.032	9.8999	10.1892	9.7393
Na 330.237	964.206	893.892	994.612
Ni 231.604	40.5654	39.5912	39.7679
Pb 220.353	6.6618	10.9220	9.6552
Sb 206.834	19.0298	20.0206	23.1031
Se 196.026	17.2198	17.9749	22.7679
Sn 189.925	49.6380	51.5517	52.2729
Sr 216.596	9.7615	10.1091	9.3701
Ti 334.941	10.0418	9.9657	10.2374
Tl 190.794	30.4770	26.4184	26.9507
V 292.401	10.8669	10.3556	10.9273
Zn 206.200	21.0865	22.0977	21.5867

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.9689	ppb	0.1096	1.1	926.848
Al 308.215	199.462	ppb	2.2802	1.1	1915.03
As 188.980	20.2602	ppb	1.0448	5.2	8.9776
B 249.678	99.3927	ppb	0.8177	0.8	1940.92
Ba 389.178	9.7075	ppb	0.5755	5.9	207.101
Be 313.042	4.1258	ppb	0.0346	0.8	8423.83
Ca 370.602	508.2	ppb	6.463	1.3	1533
Cd 226.502	4.8801	ppb	0.1020	2.1	253.054
Co 228.615	10.2638	ppb	0.2462	2.4	119.781
Cr 267.716	10.3629	ppb	0.2057	2.0	640.980
Cu 324.754	21.1395	ppb	0.3560	1.7	1768.89
Fe 271.441	60.3442	ppb	4.1975	7.0	119.429
K 766.491	1074.79	ppb	11.6733	1.1	51928.2
Mg 279.078	509.234	ppb	5.6550	1.1	1534.68
Mn 257.610	12.7150	ppb	0.3994	3.1	3254.68
Mo 202.032	9.9428	ppb	0.2280	2.3	78.2017
Na 330.237	950.903	ppb	51.6609	5.4	83.7530
Ni 231.604	39.9748	ppb	0.5190	1.3	129.950
Pb 220.353	9.0797	ppb	2.1876	24.1	28.4918
Sb 206.834	20.7178	ppb	2.1242	10.3	30.2691
Se 196.026	19.3208	ppb	3.0090	15.6	14.9015
Sn 189.925	51.1542	ppb	1.3617	2.7	34.6784
Sr 216.596	9.7469	ppb	0.3697	3.8	124.339
Ti 334.941	10.0816	ppb	0.1401	1.4	3337.64
Tl 190.794	27.9487	ppb	2.2057	7.9	24.9331
V 292.401	10.7166	ppb	0.3141	2.9	325.253
Zn 206.200	21.5903	ppb	0.5056	2.3	25.3905

mb 680-369204/1-a (Samp) **2/3/2015, 8:21:07 PM** **Rack 2, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	-0.1759u	-0.0735u	-0.0638u
Al 308.215	5.8296	6.4519	5.8865
As 188.980	-2.4642u	-1.1639u	0.5246
B 249.678	0.4807	0.8749	0.9621
Ba 389.178	-0.4345u	-0.6945u	-0.2053u
Be 313.042	0.0032	-0.0041u	-0.0015u
Ca 370.602	11.49	15.33	12.68
Cd 226.502	0.0746	-0.0388u	0.0253
Co 228.615	0.3374	0.1983	0.4019
Cr 267.716	1.0600	0.8616	1.0341
Cu 324.754	0.2131	0.2092	-0.0957u
Fe 271.441	14.1625	13.1199	16.4633
K 766.491	9.1067	9.0684	9.0671
Mg 279.078	3.2440	2.9769	0.0982
Mn 257.610	0.5349	0.5155	0.4854
Mo 202.032	0.3730	-0.1976u	0.3175
Na 330.237	32.1178	-32.7182u	46.7220
Ni 231.604	0.5646	0.9157	0.6265
Pb 220.353	-1.5068u	-1.5535u	1.0133
Sb 206.834	1.3311	0.6915	1.6296
Se 196.026	-3.7393u	1.6899	5.0760
Sn 189.925	4.5280	8.7339	6.9709
Sr 216.596	0.1831	0.1549	0.0676
Ti 334.941	0.2366	0.1951	0.2438
Tl 190.794	0.7866	-1.7855u	1.0371
V 292.401	0.0615	0.0273	-0.0928u
Zn 206.200	2.3179	2.1294	0.1498

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1044	ppb	0.0621	59.5	-10.3225
Al 308.215	6.0560	ppb	0.3440	5.7	392.361
As 188.980	-1.0345	ppb	1.4986	144.9	-6.3577
B 249.678	0.7726	ppb	0.2565	33.2	46.2290
Ba 389.178	-0.4448	ppb	0.2448	55.0	-49.5679
Be 313.042	-0.0008	ppb	0.0037	450.9	-311.914
Ca 370.602	13.17	ppb	1.969	15.0	56.18
Cd 226.502	0.0204	ppb	0.0569	279.5	22.8261
Co 228.615	0.3125	ppb	0.1040	33.3	-0.4567
Cr 267.716	0.9852	ppb	0.1079	10.9	73.7360
Cu 324.754	0.1089	ppb	0.1772	162.7	169.878
Fe 271.441	14.5819	ppb	1.7107	11.7	37.0177
K 766.491	9.0807	ppb	0.0225	0.2	745.850
Mg 279.078	2.1064	ppb	1.7442	82.8	29.0306
Mn 257.610	0.5119	ppb	0.0250	4.9	185.318
Mo 202.032	0.1643	ppb	0.3147	191.5	7.4297
Na 330.237	15.3739	ppb	42.2842	275.0	31.7768
Ni 231.604	0.7023	ppb	0.1874	26.7	-2.1116
Pb 220.353	-0.6823	ppb	1.4687	215.2	12.3932
Sb 206.834	1.2174	ppb	0.4793	39.4	1.4630
Se 196.026	1.0089	ppb	4.4469	440.8	5.8581
Sn 189.925	6.7442	ppb	2.1121	31.3	-0.0167
Sr 216.596	0.1352	ppb	0.0602	44.5	3.0145

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.2252	ppb	0.0263	11.7	22.6905
Tl 190.794	0.0127	ppb	1.5623	12280.6	-8.2105
V 292.401	-0.0013	ppb	0.0810	6130.1	-7.5949
Zn 206.200	1.5324	ppb	1.2011	78.4	2.4373

lcs 680-369204/2-a (Samp) **2/3/2015, 8:25:41 PM** **Rack 2, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	48.0841	48.6178	48.0155
Al 308.215	4708.22	4741.45	4719.68
As 188.980	97.7812	97.5829	100.425
B 249.678	183.090	185.004	185.028
Ba 389.178	95.3741	96.6629	95.6797
Be 313.042	49.1964	49.5013	49.2959
Ca 370.602	4807	4845	4850
Cd 226.502	48.6008	49.2380	48.9452
Co 228.615	48.8465	49.2772	49.0595
Cr 267.716	100.020	100.873	100.347
Cu 324.754	99.5918	101.407	98.5128
Fe 271.441	4745.88	4778.78	4763.32
K 766.491	5074.27	5092.36	5066.08
Mg 279.078	4788.99	4818.76	4803.23
Mn 257.610	504.492	508.772	506.616
Mo 202.032	96.6124	97.6045	97.2632
Na 330.237	4578.16	4664.15	4481.40
Ni 231.604	97.5417	98.1324	98.4181
Pb 220.353	479.707	480.017	478.880
Sb 206.834	48.4877	49.3938	50.7865
Se 196.026	96.3272	100.265	90.5440
Sn 189.925	199.325	200.637	199.882
Sr 216.596	94.6498	95.9958	95.5319
Ti 334.941	96.6448	97.1755	96.7178
Tl 190.794	39.5326	40.7027	40.7071
V 292.401	98.6643	99.1087	99.1894
Zn 206.200	97.0546	103.365	98.5662

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.2391	ppb	0.3297	0.7	4487.23
Al 308.215	4723.12	ppb	16.8791	0.4	37502.7
As 188.980	98.5964	ppb	1.5868	1.6	65.3426
B 249.678	184.374	ppb	1.1121	0.6	3561.28
Ba 389.178	95.9056	ppb	0.6734	0.7	2390.14
Be 313.042	49.3312	ppb	0.1555	0.3	104123
Ca 370.602	4834	ppb	23.71	0.5	14400
Cd 226.502	48.9280	ppb	0.3189	0.7	2361.79
Co 228.615	49.0611	ppb	0.2154	0.4	588.670
Cr 267.716	100.413	ppb	0.4301	0.4	6092.44
Cu 324.754	99.8373	ppb	1.4627	1.5	7755.95
Fe 271.441	4762.66	ppb	16.4626	0.3	8450.00
K 766.491	5077.57	ppb	13.4467	0.3	244169
Mg 279.078	4803.66	ppb	14.8878	0.3	14274.7
Mn 257.610	506.626	ppb	2.1397	0.4	127352
Mo 202.032	97.1600	ppb	0.5041	0.5	709.228

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	4574.57	ppb	91.4267	2.0	283.791
Ni 231.604	98.0307	ppb	0.4470	0.5	325.542
Pb 220.353	479.535	ppb	0.5881	0.1	805.210
Sb 206.834	49.5560	ppb	1.1579	2.3	72.7130
Se 196.026	95.7120	ppb	4.8896	5.1	52.7809
Sn 189.925	199.948	ppb	0.6587	0.3	150.923
Sr 216.596	95.3925	ppb	0.6838	0.7	1219.91
Ti 334.941	96.8461	ppb	0.2876	0.3	32519.2
Tl 190.794	40.3141	ppb	0.6768	1.7	39.0205
V 292.401	98.9874	ppb	0.2827	0.3	3062.27
Zn 206.200	99.6618	ppb	3.2946	3.3	114.447

680-109515-b-15-a (Samp) **2/3/2015, 8:30:15 PM** **Rack 2, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	-2.7326u	-2.8400u	-2.8364u
Al 308.215	116466	116697	116492
As 188.980	351.192	362.828	364.080
B 249.678	21.1413u	21.1038u	21.1358u
Ba 389.178	2126.65	2131.42	2130.81
Be 313.042	14.3214	14.3777	14.3695
Ca 370.602	33596	33679	33383
Cd 226.502	1.0110	0.9682	1.7960
Co 228.615	171.467	173.867	171.476
Cr 267.716	338.993	338.995	339.937
Cu 324.754	280.813	282.352	281.201
Fe 271.441	358852	358541	359225
K 766.491	11568.2	11617.6	11598.0
Mg 279.078	7870.49	7866.27	7872.41
Mn 257.610	22617.0	22727.0	22736.5
Mo 202.032	20.5701	20.9659	22.0553
Na 330.237	559.620u	458.948u	542.462u
Ni 231.604	115.511	116.029	114.419
Pb 220.353	978.276	987.833	988.539
Sb 206.834	9.6445	10.4603	10.3522
Se 196.026	-0.2846	-0.5573	5.0445
Sn 189.925	47.6107	54.8508	50.8376
Sr 216.596	267.348	269.503	269.106
Ti 334.941	1026.66	1029.68	1030.60
Tl 190.794	8.5729u	10.5271u	7.7913u
V 292.401	448.162	448.743	449.042
Zn 206.200	2126.04	2128.78	2141.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.8030	ppb	0.0610	2.2	-208.829
Al 308.215	116552	ppb	126.304	0.1	916948
As 188.980	359.367	ppb	7.1071	2.0	250.687
B 249.678	21.1270	ppb	0.0202	0.1	-520.324
Ba 389.178	2129.63	ppb	2.5997	0.1	53860.6
Be 313.042	14.3562	ppb	0.0304	0.2	30111.6
Ca 370.602	33553	ppb	152.7	0.5	97003
Cd 226.502	1.2584	ppb	0.4661	37.0	1904.12
Co 228.615	172.270	ppb	1.3829	0.8	2127.33

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	339.308	ppb	0.5443	0.2	20854.6
Cu 324.754	281.455	ppb	0.8006	0.3	21713.1
Fe 271.441	358873	ppb	342.716	0.1	635361
K 766.491	11594.6	ppb	24.8963	0.2	557160
Mg 279.078	7869.73	ppb	3.1395	0.0	22832.0
Mn 257.610	22693.5	ppb	66.4114	0.3	5700680
Mo 202.032	21.1971	ppb	0.7691	3.6	141.248
Na 330.237	520.343	ppb	53.8578	10.4	-91.2054
Ni 231.604	115.320	ppb	0.8217	0.7	416.259
Pb 220.353	984.883	ppb	5.7322	0.6	1666.98
Sb 206.834	10.1523	ppb	0.4431	4.4	25.7466
Se 196.026	1.4008	ppb	3.1584	225.5	15.1584
Sn 189.925	51.0997	ppb	3.6272	7.1	34.6347
Sr 216.596	268.652	ppb	1.1469	0.4	3924.86
Ti 334.941	1028.98	ppb	2.0612	0.2	345987
Tl 190.794	8.9638	ppb	1.4092	15.7	-44.5754
V 292.401	448.649	ppb	0.4473	0.1	13868.4
Zn 206.200	2132.15	ppb	8.3142	0.4	2428.79

680-109515-b-15-aSD (Samp) **2/3/2015, 8:34:49 PM** **Rack 2, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	-0.8509u	-0.5820u	-0.8542u
Al 308.215	24056.1	23554.1	23348.8
As 188.980	77.7347	75.2987	68.3201
B 249.678	4.9986u	5.1723u	5.2767u
Ba 389.178	449.448	439.912	437.061
Be 313.042	3.0405	2.9688	2.9487
Ca 370.602	7112	6960	6889
Cd 226.502	-0.1054	-0.3102	-0.1214
Co 228.615	37.7785	37.0264	36.6979
Cr 267.716	72.9738	71.4248	70.5236
Cu 324.754	57.2156	56.1714	55.4848
Fe 271.441	77779.4	76132.4	75473.5
K 766.491	2212.78	2166.57	2163.78
Mg 279.078	1726.99	1695.23	1678.03
Mn 257.610	5339.99	5238.19	5185.87
Mo 202.032	4.4284	4.2135	4.3040
Na 330.237	95.9841u	-97.2696u	-39.1614u
Ni 231.604	25.1418	25.0238	24.1407
Pb 220.353	209.497	206.731	202.576
Sb 206.834	5.3376	4.9411	2.5970
Se 196.026	4.4991	3.2831	-1.2944
Sn 189.925	11.2442	8.8668	9.2779
Sr 216.596	57.6388	56.8785	55.5709
Ti 334.941	218.266	213.802	212.456
Tl 190.794	0.9791u	-0.4678u	0.3575u
V 292.401	95.3888	93.0946	92.1821
Zn 206.200	462.286	451.713	444.245

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7624	ppb	0.1562	20.5	-57.9555
Al 308.215	23653.0	ppb	363.868	1.5	186361

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	73.7845	ppb	4.8865	6.6	46.9909
B 249.678	5.1492	ppb	0.1405	2.7	-73.6265
Ba 389.178	442.140	ppb	6.4871	1.5	11153.6
Be 313.042	2.9860	ppb	0.0483	1.6	6017.40
Ca 370.602	6987	ppb	113.9	1.6	20210
Cd 226.502	-0.1790	ppb	0.1139	63.6	401.560
Co 228.615	37.1676	ppb	0.5539	1.5	455.428
Cr 267.716	71.6407	ppb	1.2393	1.7	4417.18
Cu 324.754	56.2906	ppb	0.8715	1.5	4473.90
Fe 271.441	76461.8	ppb	1187.73	1.6	135380
K 766.491	2181.05	ppb	27.5177	1.3	105058
Mg 279.078	1700.08	ppb	24.8380	1.5	4943.02
Mn 257.610	5254.68	ppb	78.3734	1.5	1320013
Mo 202.032	4.3153	ppb	0.1079	2.5	33.5546
Na 330.237	-13.4823	ppb	99.1530	735.4	-2.0338
Ni 231.604	24.7688	ppb	0.5471	2.2	85.8312
Pb 220.353	206.268	ppb	3.4836	1.7	360.019
Sb 206.834	4.2919	ppb	1.4811	34.5	8.3547
Se 196.026	2.1626	ppb	3.0549	141.3	8.4701
Sn 189.925	9.7963	ppb	1.2707	13.0	2.3675
Sr 216.596	56.6961	ppb	1.0460	1.8	830.454
Ti 334.941	214.841	ppb	3.0413	1.4	72196.9
Tl 190.794	0.2896	ppb	0.7259	250.6	-17.6573
V 292.401	93.5552	ppb	1.6522	1.8	2885.34
Zn 206.200	452.748	ppb	9.0649	2.0	516.270

680-109515-b-15-aPDS (Samp) **2/3/2015, 8:39:24 PM** **Rack 2, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	80.4367	79.8784	80.5291
Al 308.215	117510	116844	117009
As 188.980	470.619	458.232	450.806
B 249.678	200.328	199.380	199.803
Ba 389.178	2196.17	2180.88	2185.42
Be 313.042	108.181	107.376	107.668
Ca 370.602	42656	42490	42702
Cd 226.502	91.8317	90.3831	90.3315
Co 228.615	265.164	262.099	263.398
Cr 267.716	431.620	427.884	429.480
Cu 324.754	378.309	374.498	373.809
Fe 271.441	366020	362034	364139
K 766.491	21628.5	21397.3	21473.9
Mg 279.078	16868.4	16762.9	16817.0
Mn 257.610	23229.6	22881.4	23149.2
Mo 202.032	115.136	114.466	114.478
Na 330.237	9131.52	8966.51	9060.35
Ni 231.604	209.834	205.549	205.028
Pb 220.353	1054.63	1062.30	1053.73
Sb 206.834	106.842	100.682	97.9168
Se 196.026	101.555	107.055	91.2952
Sn 189.925	135.300	141.441	141.800
Sr 216.596	356.795	354.935	354.438
Ti 334.941	1114.73	1105.82	1108.24

Label	Replicates Concentration		
Tl 190.794	26.6002u	28.5275u	22.1562u
V 292.401	543.485	539.019	540.532
Zn 206.200	2210.58	2200.75	2213.73

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	80.2814	ppb	0.3521	0.4	7521.21
Al 308.215	117121	ppb	346.969	0.3	921444
As 188.980	459.886	ppb	10.0095	2.2	323.023
B 249.678	199.837	ppb	0.4749	0.2	2899.88
Ba 389.178	2187.49	ppb	7.8501	0.4	55342.3
Be 313.042	107.742	ppb	0.4077	0.4	227817
Ca 370.602	42616	ppb	111.6	0.3	123948
Cd 226.502	90.8488	ppb	0.8517	0.9	6171.91
Co 228.615	263.553	ppb	1.5384	0.6	3230.53
Cr 267.716	429.661	ppb	1.8742	0.4	26323.6
Cu 324.754	375.539	ppb	2.4235	0.6	28870.3
Fe 271.441	364064	ppb	1994.31	0.5	644565
K 766.491	21499.9	ppb	117.807	0.5	1032879
Mg 279.078	16816.1	ppb	52.7926	0.3	49390.8
Mn 257.610	23086.8	ppb	182.290	0.8	5799544
Mo 202.032	114.693	ppb	0.3834	0.3	817.691
Na 330.237	9052.79	ppb	82.7660	0.9	383.953
Ni 231.604	206.804	ppb	2.6368	1.3	724.198
Pb 220.353	1056.89	ppb	4.7094	0.4	1786.13
Sb 206.834	101.814	ppb	4.5690	4.5	161.054
Se 196.026	99.9684	ppb	7.9989	8.0	63.9667
Sn 189.925	139.514	ppb	3.6537	2.6	103.710
Sr 216.596	355.389	ppb	1.2423	0.3	5036.01
Ti 334.941	1109.60	ppb	4.6089	0.4	373111
Tl 190.794	25.7613	ppb	3.2675	12.7	-25.2591
V 292.401	541.012	ppb	2.2712	0.4	16731.8
Zn 206.200	2208.36	ppb	6.7705	0.3	2515.69

680-109515-b-15-b ms (Samp) **2/3/2015, 8:43:59 PM** **Rack 2, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	43.7145	44.1423	44.1443
Al 308.215	128129	128167	128000
As 188.980	420.269	436.136	435.906
B 249.678	144.566	144.776	145.538
Ba 389.178	2288.44	2290.19	2283.10
Be 313.042	61.8456	61.9178	61.6932
Ca 370.602	35360	35332	35131
Cd 226.502	46.0695	46.4962	46.4363
Co 228.615	209.898	212.666	212.148
Cr 267.716	436.808	437.240	435.765
Cu 324.754	328.161	331.153	329.405
Fe 271.441	328865	328610	327674
K 766.491	15442.0	15444.4	15490.2
Mg 279.078	11989.8	11987.3	11954.3
Mn 257.610	22950.0	23014.8	22953.8
Mo 202.032	106.177	106.302	105.736
Na 330.237	5112.75	5014.26	5147.71

Label	Replicates Concentration		
Ni 231.604	196.900	197.566	194.840
Pb 220.353	1273.83	1274.22	1279.23
Sb 206.834	29.0937	27.1847	26.0497
Se 196.026	94.1021	86.9230	79.1291
Sn 189.925	227.384	221.833	226.338
Sr 216.596	350.763	350.102	349.183
Ti 334.941	990.437	993.718	990.766
Tl 190.794	40.1700	36.5279	40.0367
V 292.401	528.014	528.385	527.871
Zn 206.200	1829.93	1826.75	1829.51

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.0004	ppb	0.2476	0.6	4151.30
Al 308.215	128099	ppb	87.5289	0.1	1007759
As 188.980	430.770	ppb	9.0952	2.1	302.306
B 249.678	144.960	ppb	0.5117	0.4	1939.28
Ba 389.178	2287.24	ppb	3.6936	0.2	57809.3
Be 313.042	61.8189	ppb	0.1147	0.2	130591
Ca 370.602	35274	ppb	125.1	0.4	102440
Cd 226.502	46.3340	ppb	0.2310	0.5	3884.33
Co 228.615	211.571	ppb	1.4719	0.7	2597.11
Cr 267.716	436.604	ppb	0.7586	0.2	26724.5
Cu 324.754	329.573	ppb	1.5032	0.5	25359.9
Fe 271.441	328383	ppb	627.196	0.2	581390
K 766.491	15458.9	ppb	27.1508	0.2	742749
Mg 279.078	11977.1	ppb	19.8091	0.2	35018.6
Mn 257.610	22972.8	ppb	36.3467	0.2	5770772
Mo 202.032	106.072	ppb	0.2977	0.3	757.069
Na 330.237	5091.57	ppb	69.1976	1.4	180.881
Ni 231.604	196.435	ppb	1.4211	0.7	686.174
Pb 220.353	1275.76	ppb	3.0103	0.2	2144.80
Sb 206.834	27.4427	ppb	1.5383	5.6	50.5986
Se 196.026	86.7180	ppb	7.4886	8.6	57.0527
Sn 189.925	225.185	ppb	2.9495	1.3	170.638
Sr 216.596	350.016	ppb	0.7934	0.2	4916.17
Ti 334.941	991.641	ppb	1.8068	0.2	333436
Tl 190.794	38.9115	ppb	2.0653	5.3	-3.8496
V 292.401	528.090	ppb	0.2657	0.1	16343.0
Zn 206.200	1828.73	ppb	1.7283	0.1	2082.16

680-109515-b-15-c ms (Samp) **2/3/2015, 8:48:34 PM** **Rack 2, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	44.4264	44.3161	44.2494
Al 308.215	133047	133034	132666
As 188.980	471.752	482.293	481.837
B 249.678	151.407	151.591	151.665
Ba 389.178	2224.69	2227.26	2224.61
Be 313.042	62.0410	62.0504	62.0863
Ca 370.602	38386	38414	38370
Cd 226.502	47.6023	47.5966	47.5028
Co 228.615	205.022	206.403	206.139
Cr 267.716	441.526	441.812	440.989

Label	Replicates Concentration		
Cu 324.754	402.706	401.826	398.925
Fe 271.441	336117	335160	335341
K 766.491	17141.5	17124.3	17095.2
Mg 279.078	12823.5	12827.1	12799.7
Mn 257.610	20884.1	20884.0	20913.1
Mo 202.032	107.813	107.053	107.445
Na 330.237	5199.43	5319.96	5225.55
Ni 231.604	205.377	210.001	206.173
Pb 220.353	1449.37	1450.07	1443.43
Sb 206.834	28.5905	34.9128	25.1909
Se 196.026	89.8438	92.1589	98.2807
Sn 189.925	241.929	246.681	244.124
Sr 216.596	378.953	378.238	380.744
Ti 334.941	1180.72	1182.17	1181.61
Tl 190.794	45.0821	40.2918	37.2049
V 292.401	536.341	536.468	536.128
Zn 206.200	2325.28	2326.19	2318.45

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.3306	ppb	0.0894	0.2	4167.85
Al 308.215	132916	ppb	216.501	0.2	1045639
As 188.980	478.627	ppb	5.9589	1.2	336.728
B 249.678	151.554	ppb	0.1328	0.1	2047.55
Ba 389.178	2225.52	ppb	1.5046	0.1	56264.8
Be 313.042	62.0592	ppb	0.0239	0.0	131102
Ca 370.602	38390	ppb	22.30	0.1	111665
Cd 226.502	47.5672	ppb	0.0559	0.1	3977.57
Co 228.615	205.854	ppb	0.7332	0.4	2532.69
Cr 267.716	441.442	ppb	0.4178	0.1	27009.9
Cu 324.754	401.152	ppb	1.9787	0.5	30804.4
Fe 271.441	335539	ppb	508.398	0.2	594058
K 766.491	17120.3	ppb	23.3604	0.1	822543
Mg 279.078	12816.8	ppb	14.9005	0.1	37557.0
Mn 257.610	20893.7	ppb	16.7715	0.1	5248647
Mo 202.032	107.437	ppb	0.3804	0.4	766.596
Na 330.237	5248.31	ppb	63.4035	1.2	175.693
Ni 231.604	207.183	ppb	2.4720	1.2	722.981
Pb 220.353	1447.62	ppb	3.6485	0.3	2428.32
Sb 206.834	29.5647	ppb	4.9336	16.7	53.9094
Se 196.026	93.4278	ppb	4.3593	4.7	59.9193
Sn 189.925	244.245	ppb	2.3784	1.0	185.529
Sr 216.596	379.312	ppb	1.2908	0.3	5299.30
Ti 334.941	1181.50	ppb	0.7295	0.1	397275
Tl 190.794	40.8596	ppb	3.9692	9.7	-3.8648
V 292.401	536.312	ppb	0.1720	0.0	16598.7
Zn 206.200	2323.31	ppb	4.2281	0.2	2648.40

680-109515-a-22-a (Samp) **2/3/2015, 8:53:10 PM** **Rack 2, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-3.9459u	-4.0187u	-4.1203u
Al 308.215	107696	107407	106709
As 188.980	107.617	105.239	104.869

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Label	Replicates Concentration		
B 249.678	6.6734u	6.4127u	6.7536u
Ba 389.178	728.469	726.407	722.870
Be 313.042	13.0091	12.9824	12.9412
Ca 370.602	14608	14630	14524
Cd 226.502	-3.1986	-3.1502	-3.5255
Co 228.615	102.661	101.837	102.504
Cr 267.716	300.553	300.045	297.954
Cu 324.754	80.5412	79.6991	79.2858
Fe 271.441	260951	260188	259269
K 766.491	4357.78	4335.24	4336.13
Mg 279.078	4892.48	4874.96	4855.53
Mn 257.610	17400.1	17340.7	17280.0
Mo 202.032	9.1171	8.8635	8.8978
Na 330.237	-117.864u	-5.3917u	-107.331u
Ni 231.604	69.0470	71.4841	70.9236
Pb 220.353	161.767	158.583	159.371
Sb 206.834	7.3394	7.9760	1.7966
Se 196.026	-4.2662	9.2846	-6.2566
Sn 189.925	17.6898	17.7297	15.2853
Sr 216.596	70.2425	70.6796	70.4649
Ti 334.941	742.519	738.996	735.944
Tl 190.794	3.4830u	5.4369u	7.6812u
V 292.401	364.254	362.230	361.281
Zn 206.200	241.321	243.484	240.266

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.0283	ppb	0.0876	2.2	-327.241
Al 308.215	107271	ppb	507.102	0.5	843945
As 188.980	105.908	ppb	1.4911	1.4	68.8247
B 249.678	6.6132	ppb	0.1782	2.7	-535.724
Ba 389.178	725.916	ppb	2.8316	0.4	18458.9
Be 313.042	12.9776	ppb	0.0342	0.3	27188.2
Ca 370.602	14587	ppb	55.55	0.4	41391
Cd 226.502	-3.2914	ppb	0.2041	6.2	1187.26
Co 228.615	102.334	ppb	0.4379	0.4	1268.56
Cr 267.716	299.518	ppb	1.3774	0.5	18365.8
Cu 324.754	79.8420	ppb	0.6398	0.8	6342.92
Fe 271.441	260136	ppb	842.225	0.3	460554
K 766.491	4343.05	ppb	12.7652	0.3	208892
Mg 279.078	4874.32	ppb	18.4823	0.4	14061.4
Mn 257.610	17340.3	ppb	60.0834	0.3	4355889
Mo 202.032	8.9595	ppb	0.1376	1.5	57.6904
Na 330.237	-76.8620	ppb	62.1188	80.8	-51.0098
Ni 231.604	70.4849	ppb	1.2764	1.8	256.489
Pb 220.353	159.907	ppb	1.6582	1.0	297.629
Sb 206.834	5.7040	ppb	3.3989	59.6	16.9553
Se 196.026	-0.4127	ppb	8.4569	2048.9	11.9794
Sn 189.925	16.9016	ppb	1.3999	8.3	7.9180
Sr 216.596	70.4623	ppb	0.2186	0.3	1260.58
Ti 334.941	739.153	ppb	3.2902	0.4	248520
Tl 190.794	5.5337	ppb	2.1008	38.0	-35.1968
V 292.401	362.588	ppb	1.5185	0.4	11219.3
Zn 206.200	241.690	ppb	1.6404	0.7	267.185

Cont Calib Verif (CCV) **2/3/2015, 8:57:45 PM** **Rack 2, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	478.352	475.541	473.466
Al 308.215	4712.28	4703.31	4710.67
As 188.980	476.140	481.408	484.986
B 249.678	472.719	473.320	476.091
Ba 389.178	4781.09	4774.04	4776.13
Be 313.042	483.523	482.491	484.666
Ca 370.602	4823	4802	4812
Cd 226.502	477.829	478.368	479.822
Co 228.615	487.136	488.485	486.641
Cr 267.716	4907.97	4905.12	4910.91
Cu 324.754	4961.03	4956.26	4967.09
Fe 271.441	4716.84	4721.57	4710.64
K 766.491	10211.1	10167.0	10165.1
Mg 279.078	4834.97	4828.57	4838.79
Mn 257.610	4887.39	4890.19	4900.70
Mo 202.032	478.442	482.116	482.122
Na 330.237	7224.09	7229.15	7085.83
Ni 231.604	2404.20	2395.91	2392.61
Pb 220.353	476.307	479.264	480.495
Sb 206.834	946.415	945.950	943.928
Se 196.026	4793.11	4791.48	4784.86
Sn 189.925	4769.38	4821.00	4855.64
Sr 216.596	2364.66	2389.90	2393.09
Ti 334.941	470.583	470.023	470.176
Tl 190.794	4870.35	4857.19	4863.48
V 292.401	4835.01	4836.60	4835.64
Zn 206.200	2378.16	2381.02	2389.29

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	475.786	ppb	2.4519	0.5	44227.7	95.15727
Al 308.215	4708.76	ppb	4.7810	0.1	38133.6	94.17511
As 188.980	480.845	ppb	4.4499	0.9	340.558	96.16898
B 249.678	474.043	ppb	1.7985	0.4	9141.26	94.80864
Ba 389.178	4777.09	ppb	3.6250	0.1	120153	95.54174
Be 313.042	483.560	ppb	1.0880	0.2	1023694	96.71199
Ca 370.602	4812	ppb	10.53	0.2	14668	96.24508
Cd 226.502	478.673	ppb	1.0308	0.2	22701.9	95.73460
Co 228.615	487.421	ppb	0.9545	0.2	5893.70	97.48418
Cr 267.716	4908.00	ppb	2.8947	0.1	296885	98.15999
Cu 324.754	4961.46	ppb	5.4311	0.1	377281	99.22918
Fe 271.441	4716.35	ppb	5.4842	0.1	8469.68	94.32700
K 766.491	10181.1	ppb	26.0334	0.3	489273	101.81062
Mg 279.078	4834.11	ppb	5.1664	0.1	14265.8	96.68224
Mn 257.610	4892.76	ppb	7.0194	0.1	1228898	97.85513
Mo 202.032	480.893	ppb	2.1233	0.4	3481.58	96.17870
Na 330.237	7179.69	ppb	81.3255	1.1	373.952	95.72919
Ni 231.604	2397.57	ppb	5.9716	0.2	8058.35	95.90295
Pb 220.353	478.689	ppb	2.1524	0.4	807.937	95.73775
Sb 206.834	945.431	ppb	1.3220	0.1	1456.74	94.54309
Se 196.026	4789.81	ppb	4.3688	0.1	2371.16	95.79629
Sn 189.925	4815.34	ppb	43.4094	0.9	3756.65	96.30681
Sr 216.596	2382.55	ppb	15.5743	0.7	30259.4	95.30196

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	470.261	ppb	0.2895	0.1	158070	94.05213
Tl 190.794	4863.67	ppb	6.5838	0.1	5770.12	97.27348
V 292.401	4835.75	ppb	0.7999	0.0	151012	96.71497
Zn 206.200	2382.82	ppb	5.7793	0.2	2719.36	95.31298

Cont Calib Blank (CCB) **2/3/2015, 9:02:19 PM** **Rack 2, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	-0.2035u	0.0068	-0.4178u
Al 308.215	1.4818	1.4317	2.3381
As 188.980	-2.0052u	-1.1305u	-2.9183u
B 249.678	1.8125	1.7195	1.7355
Ba 389.178	-0.4002u	-0.0578u	-0.1194u
Be 313.042	0.0130	0.0101	0.0239
Ca 370.602	-0.6575u	-1.881u	1.837
Cd 226.502	0.0998	0.1128	-0.1169u
Co 228.615	0.0149	-0.0471u	0.2479
Cr 267.716	0.3076	0.2368	0.2203
Cu 324.754	0.1989	0.1057	0.3520
Fe 271.441	1.0061	1.8976	2.0687
K 766.491	0.9667	1.6820	1.3304
Mg 279.078	1.9195	-0.8548u	1.1439
Mn 257.610	0.3670	0.4584	0.5505
Mo 202.032	0.3983	0.0770	-0.1614u
Na 330.237	52.0118	-115.068u	-155.501u
Ni 231.604	0.8795	0.9275	0.4066
Pb 220.353	-0.9467u	2.3216	0.5346
Sb 206.834	2.4676	4.1700	5.1629
Se 196.026	7.4446	-0.5102u	2.4950
Sn 189.925	-1.8147u	0.8582	0.6284
Sr 216.596	0.1248	-0.0020u	-0.0159u
Ti 334.941	0.1478	0.1154	0.1111
Tl 190.794	0.3571	0.5467	2.0864
V 292.401	0.2515	0.1875	0.4154
Zn 206.200	0.6568	0.4089	-0.2954u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2049	ppb	0.2123	103.6	-19.6685	-0.20487
Al 308.215	1.7505	ppb	0.5095	29.1	358.546	1.75054
As 188.980	-2.0180	ppb	0.8940	44.3	-7.0660	-2.01800
B 249.678	1.7558	ppb	0.0497	2.8	65.2072	1.75582
Ba 389.178	-0.1925	ppb	0.1825	94.8	-43.2327	-0.19247
Be 313.042	0.0157	ppb	0.0073	46.5	-277.033	0.01565
Ca 370.602	-0.2340	ppb	1.895	809.7	16.39	-0.23400
Cd 226.502	0.0319	ppb	0.1290	404.1	23.3193	0.03192
Co 228.615	0.0719	ppb	0.1555	216.3	-3.3659	0.07192
Cr 267.716	0.2549	ppb	0.0464	18.2	29.5452	0.25490
Cu 324.754	0.2189	ppb	0.1244	56.8	178.232	0.21888
Fe 271.441	1.6575	ppb	0.5705	34.4	14.1228	1.65748
K 766.491	1.3264	ppb	0.3577	27.0	373.434	1.32638
Mg 279.078	0.7362	ppb	1.4314	194.4	24.9640	0.73618
Mn 257.610	0.4586	ppb	0.0917	20.0	171.885	0.45863
Mo 202.032	0.1046	ppb	0.2809	268.5	6.9980	0.10462

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-72.8524	ppb	110.009	151.0	26.8727	-72.85242
Ni 231.604	0.7378	ppb	0.2879	39.0	-1.9927	0.73784
Pb 220.353	0.6365	ppb	1.6365	257.1	14.5686	0.63648
Sb 206.834	3.9335	ppb	1.3631	34.7	5.4680	3.93350
Se 196.026	3.1432	ppb	4.0168	127.8	6.9116	3.14316
Sn 189.925	-0.1094	ppb	1.4814	1354.3	-5.3710	-0.10938
Sr 216.596	0.0356	ppb	0.0776	217.7	1.7282	0.03563
Ti 334.941	0.1248	ppb	0.0201	16.1	-11.0636	0.12477
Tl 190.794	0.9967	ppb	0.9484	95.2	-7.0417	0.99672
V 292.401	0.2848	ppb	0.1176	41.3	1.3980	0.28478
Zn 206.200	0.2568	ppb	0.4940	192.4	0.9781	0.25679

680-109515-b-23-a (Samp) **2/3/2015, 9:06:53 PM** **Rack 2, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-3.9149u	-4.4495u	-5.1268u
Al 308.215	119017	118898	118918
As 188.980	75.2423	72.1993	68.2795
B 249.678	6.4782u	6.0170u	5.9675u
Ba 389.178	670.221	672.585	670.982
Be 313.042	13.1847	13.1267	13.2060
Ca 370.602	15017	15049	15063
Cd 226.502	-2.2528	-2.3653	-2.2533
Co 228.615	69.9118	69.9709	69.9473
Cr 267.716	233.972	234.732	234.265
Cu 324.754	84.7644	83.9658	83.5160
Fe 271.441	197112	197631	197373
K 766.491	6427.51	6432.07	6420.44
Mg 279.078	5293.57	5291.90	5302.90
Mn 257.610	15266.9	15300.7	15283.4
Mo 202.032	7.7195	7.7893	7.5353
Na 330.237	-133.161u	-149.409u	-213.138u
Ni 231.604	72.0594	70.8828	70.3956
Pb 220.353	110.030	113.501	115.176
Sb 206.834	4.9018	-4.4010	12.1289
Se 196.026	0.8669	-4.3123	-13.9364u
Sn 189.925	18.4204	14.6705	16.7620
Sr 216.596	67.6914	66.8830	66.6730
Ti 334.941	839.518	840.101	839.852
Tl 190.794	2.6940u	5.3834u	3.6159u
V 292.401	297.190	298.248	298.093
Zn 206.200	210.617	212.897	206.414

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.4971	ppb	0.6074	13.5	-370.592
Al 308.215	118944	ppb	63.3699	0.1	935721
As 188.980	71.9071	ppb	3.4906	4.9	44.7795
B 249.678	6.1542	ppb	0.2816	4.6	-377.052
Ba 389.178	671.263	ppb	1.2066	0.2	17030.6
Be 313.042	13.1724	ppb	0.0410	0.3	27601.4
Ca 370.602	15043	ppb	23.33	0.2	43417
Cd 226.502	-2.2904	ppb	0.0648	2.8	915.301
Co 228.615	69.9433	ppb	0.0297	0.0	874.612

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	234.323	ppb	0.3834	0.2	14378.3
Cu 324.754	84.0820	ppb	0.6323	0.8	6637.98
Fe 271.441	197372	ppb	259.079	0.1	349437
K 766.491	6426.67	ppb	5.8609	0.1	308962
Mg 279.078	5296.12	ppb	5.9310	0.1	15355.5
Mn 257.610	15283.7	ppb	16.9332	0.1	3839178
Mo 202.032	7.6814	ppb	0.1312	1.7	51.6475
Na 330.237	-165.236	ppb	42.2721	25.6	-37.8970
Ni 231.604	71.1126	ppb	0.8554	1.2	252.869
Pb 220.353	112.902	ppb	2.6249	2.3	214.952
Sb 206.834	4.2099	ppb	8.2866	196.8	12.6899
Se 196.026	-5.7939	ppb	7.5120	129.7	8.2060
Sn 189.925	16.6176	ppb	1.8791	11.3	7.6963
Sr 216.596	67.0824	ppb	0.5377	0.8	1131.25
Ti 334.941	839.824	ppb	0.2923	0.0	282360
Tl 190.794	3.8978	ppb	1.3667	35.1	-27.8432
V 292.401	297.844	ppb	0.5718	0.2	9223.94
Zn 206.200	209.976	ppb	3.2887	1.6	233.338

680-109515-b-24-a (Samp) **2/3/2015, 9:11:28 PM** **Rack 2, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-0.8104u	-1.2348u	-1.0185u
Al 308.215	114568	113386	114444
As 188.980	160.207	162.338	167.256
B 249.678	26.4119u	25.5773u	25.3486u
Ba 389.178	1231.63	1217.56	1227.62
Be 313.042	14.8793	14.6880	14.8567
Ca 370.602	221577	220173	222969
Cd 226.502	0.6686	0.2404	-0.0179
Co 228.615	76.8601	76.5397	77.5321
Cr 267.716	342.342	338.429	342.081
Cu 324.754	271.778	266.499	268.778
Fe 271.441	327028	322528	326707
K 766.491	8926.33	8808.36	8888.18
Mg 279.078	63894.1	63240.4	63962.9
Mn 257.610	9152.79	8997.69	9146.25
Mo 202.032	11.0772	11.2903	11.1695
Na 330.237	737.700u	735.470u	658.756u
Ni 231.604	97.6764	98.9450	100.764
Pb 220.353	1172.52	1158.09	1177.12
Sb 206.834	12.4506	8.1746	6.5793
Se 196.026	-1.8759	-3.2868	-4.2246
Sn 189.925	43.1810	40.8254	44.0200
Sr 216.596	419.641	416.662	420.718
Ti 334.941	1025.67	1013.59	1021.64
Tl 190.794	-3.8749u	4.1170u	-2.3693u
V 292.401	439.390	434.047	438.268
Zn 206.200	1340.06	1327.44	1348.13

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0212	ppb	0.2122	20.8	-121.448
Al 308.215	114133	ppb	649.545	0.6	897923

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	163.267	ppb	3.6152	2.2	109.674
B 249.678	25.7793	ppb	0.5597	2.2	-342.419
Ba 389.178	1225.60	ppb	7.2450	0.6	31222.6
Be 313.042	14.8080	ppb	0.1046	0.7	31148.6
Ca 370.602	221573	ppb	1398	0.6	656172
Cd 226.502	0.2970	ppb	0.3467	116.7	1690.80
Co 228.615	76.9773	ppb	0.5065	0.7	973.036
Cr 267.716	340.951	ppb	2.1874	0.6	20862.1
Cu 324.754	269.018	ppb	2.6475	1.0	20752.5
Fe 271.441	325421	ppb	2510.65	0.8	576128
K 766.491	8874.29	ppb	60.1969	0.7	426513
Mg 279.078	63699.2	ppb	398.742	0.6	188936
Mn 257.610	9098.91	ppb	87.7180	1.0	2286881
Mo 202.032	11.1790	ppb	0.1069	1.0	70.3977
Na 330.237	710.642	ppb	44.9486	6.3	-51.9044
Ni 231.604	99.1286	ppb	1.5522	1.6	358.978
Pb 220.353	1169.24	ppb	9.9303	0.8	1966.10
Sb 206.834	9.0682	ppb	3.0359	33.5	23.7052
Se 196.026	-3.1291	ppb	1.1823	37.8	9.2374
Sn 189.925	42.6755	ppb	1.6562	3.9	28.0536
Sr 216.596	419.007	ppb	2.1011	0.5	5869.19
Ti 334.941	1020.30	ppb	6.1496	0.6	343176
Tl 190.794	-0.7091	ppb	4.2467	598.9	-58.2203
V 292.401	437.235	ppb	2.8172	0.6	13528.4
Zn 206.200	1338.55	ppb	10.4254	0.8	1521.02

680-109515-a-25-a (Samp) **2/3/2015, 9:16:02 PM** **Rack 2, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-3.0311u	-2.9319u	-2.8999u
Al 308.215	114863	114608	114587
As 188.980	220.067	219.865	217.358
B 249.678	7.0534u	8.1161u	8.0774u
Ba 389.178	500.926	498.985	501.720
Be 313.042	14.3050	14.2678	14.2680
Ca 370.602	19254	19052	19143
Cd 226.502	-5.0841	-4.9175	-4.4669
Co 228.615	133.930	134.302	133.396
Cr 267.716	559.709	557.267	558.038
Cu 324.754	83.8573	83.6459	83.6344
Fe 271.441	501125	500941	500402
K 766.491	3253.27	3259.42	3263.25
Mg 279.078	5543.74	5525.11	5532.20
Mn 257.610	10423.8	10408.7	10414.2
Mo 202.032	13.3646	13.0662	13.0965
Na 330.237	-133.301u	0.4604u	85.4819u
Ni 231.604	86.8640	86.8345	86.1557
Pb 220.353	233.414	228.458	228.756
Sb 206.834	6.8107	9.5829	8.4299
Se 196.026	-6.7270	-2.9193	-3.1346
Sn 189.925	17.8691	18.2539	23.8998
Sr 216.596	84.3379	83.0449	83.7695
Ti 334.941	587.591	586.798	587.057

Label	Replicates Concentration		
Tl 190.794	-2.4571u	1.9935u	4.6910u
V 292.401	699.985	697.268	699.389
Zn 206.200	271.364	272.117	272.879

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.9543	ppb	0.0684	2.3	-312.034
Al 308.215	114686	ppb	153.930	0.1	902336
As 188.980	219.097	ppb	1.5092	0.7	148.640
B 249.678	7.7490	ppb	0.6027	7.8	-1157.94
Ba 389.178	500.544	ppb	1.4071	0.3	13001.9
Be 313.042	14.2803	ppb	0.0214	0.2	29961.6
Ca 370.602	19150	ppb	101.3	0.5	52099
Cd 226.502	-4.8228	ppb	0.3193	6.6	2342.09
Co 228.615	133.876	ppb	0.4557	0.3	1664.31
Cr 267.716	558.338	ppb	1.2486	0.2	34109.9
Cu 324.754	83.7125	ppb	0.1255	0.1	6740.66
Fe 271.441	500823	ppb	376.117	0.1	886657
K 766.491	3258.65	ppb	5.0380	0.2	156812
Mg 279.078	5533.68	ppb	9.4013	0.2	16173.0
Mn 257.610	10415.6	ppb	7.6401	0.1	2617636
Mo 202.032	13.1758	ppb	0.1642	1.2	75.7730
Na 330.237	-15.7861	ppb	110.292	698.7	-114.855
Ni 231.604	86.6180	ppb	0.4007	0.5	333.059
Pb 220.353	230.209	ppb	2.7792	1.2	429.233
Sb 206.834	8.2745	ppb	1.3926	16.8	28.7727
Se 196.026	-4.2603	ppb	2.1390	50.2	10.7160
Sn 189.925	20.0076	ppb	3.3762	16.9	10.3441
Sr 216.596	83.7174	ppb	0.6481	0.8	1762.49
Ti 334.941	587.149	ppb	0.4040	0.1	197447
Tl 190.794	1.4091	ppb	3.6097	256.2	-84.1331
V 292.401	698.881	ppb	1.4279	0.2	21627.2
Zn 206.200	272.120	ppb	0.7573	0.3	292.491

680-109515-b-26-a (Samp) **2/3/2015, 9:20:36 PM** **Rack 2, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	-2.7989u	-2.4862u	-2.2866u
Al 308.215	121775	121797	121880
As 188.980	124.380	127.265	126.119
B 249.678	8.0990u	8.2052u	8.1359u
Ba 389.178	491.880	492.542	493.640
Be 313.042	13.1284	13.0720	13.1402
Ca 370.602	22426	22437	22446
Cd 226.502	-3.6481	-3.5961	-3.5608
Co 228.615	62.3768	62.5850	63.0937
Cr 267.716	398.064	398.004	397.690
Cu 324.754	73.3913	72.3423	73.0781
Fe 271.441	315469	314788	316153
K 766.491	4141.24	4135.82	4161.09
Mg 279.078	6173.14	6166.75	6166.05
Mn 257.610	6011.84	6031.25	6021.19
Mo 202.032	7.6882	7.4939	7.7757
Na 330.237	4.8328u	-31.1304u	-161.092u

Label	Replicates Concentration		
Ni 231.604	77.5056	77.0044	77.8310
Pb 220.353	150.509	152.235	148.964
Sb 206.834	0.4390	2.9864	7.3340
Se 196.026	4.4966	1.9841	3.5055
Sn 189.925	12.8991	15.6911	13.8747
Sr 216.596	90.8208	90.1005	89.8852
Ti 334.941	504.437	505.587	506.153
Tl 190.794	2.1521u	-2.2599u	2.3625u
V 292.401	443.766	443.183	444.489
Zn 206.200	219.478	224.702	221.756

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.5239	ppb	0.2582	10.2	-262.703
Al 308.215	121818	ppb	55.0859	0.0	958351
As 188.980	125.921	ppb	1.4529	1.2	82.8474
B 249.678	8.1467	ppb	0.0539	0.7	-654.147
Ba 389.178	492.688	ppb	0.8890	0.2	12643.8
Be 313.042	13.1135	ppb	0.0364	0.3	27487.3
Ca 370.602	22436	ppb	9.747	0.0	63727
Cd 226.502	-3.6017	ppb	0.0439	1.2	1454.78
Co 228.615	62.6852	ppb	0.3688	0.6	788.260
Cr 267.716	397.919	ppb	0.2008	0.1	24285.0
Cu 324.754	72.9372	ppb	0.5385	0.7	5841.63
Fe 271.441	315470	ppb	682.860	0.2	558510
K 766.491	4146.05	ppb	13.3047	0.3	199431
Mg 279.078	6168.64	ppb	3.9064	0.1	18155.4
Mn 257.610	6021.42	ppb	9.7079	0.2	1513443
Mo 202.032	7.6526	ppb	0.1442	1.9	45.3692
Na 330.237	-62.4630	ppb	87.2871	139.7	-64.9779
Ni 231.604	77.4470	ppb	0.4164	0.5	285.160
Pb 220.353	150.570	ppb	1.6365	1.1	283.674
Sb 206.834	3.5865	ppb	3.4864	97.2	16.2129
Se 196.026	3.3287	ppb	1.2656	38.0	11.5641
Sn 189.925	14.1550	ppb	1.4170	10.0	5.7722
Sr 216.596	90.2688	ppb	0.4900	0.5	1591.69
Ti 334.941	505.392	ppb	0.8741	0.2	169935
Tl 190.794	0.7515	ppb	2.6101	347.3	-56.4997
V 292.401	443.813	ppb	0.6544	0.1	13731.3
Zn 206.200	221.978	ppb	2.6192	1.2	242.333

680-109515-a-27-a (Samp) **2/3/2015, 9:25:10 PM** **Rack 2, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	-2.0553u	-2.2697u	-1.8651u
Al 308.215	141463	141843	141252
As 188.980	195.714	192.451	195.340
B 249.678	7.9241u	7.1083u	8.1532u
Ba 389.178	400.863	402.317	399.711
Be 313.042	18.5736	18.6317	18.5544
Ca 370.602	22316	22504	22383
Cd 226.502	-4.4846	-4.4976	-4.7375
Co 228.615	85.3134	86.3939	84.8323
Cr 267.716	467.505	468.843	466.733

Label	Replicates Concentration		
Cu 324.754	72.8755	73.3594	72.3206
Fe 271.441	470949	471698	469744
K 766.491	4742.65	4745.65	4736.90
Mg 279.078	6694.74	6720.50	6676.05
Mn 257.610	5724.92	5739.44	5730.33
Mo 202.032	10.3944	11.0307	9.9579
Na 330.237	-31.0552u	-81.6726u	-3.4922u
Ni 231.604	106.830	106.600	106.779
Pb 220.353	197.469	201.846	195.834
Sb 206.834	8.4676	5.5303	8.9539
Se 196.026	-8.4490	-3.6948	-12.9842u
Sn 189.925	22.8981	20.2457	17.5248
Sr 216.596	86.9568	88.8099	87.5683
Ti 334.941	543.837	544.847	542.276
Tl 190.794	-3.1427u	-0.1642u	1.3946u
V 292.401	648.281	650.454	646.981
Zn 206.200	311.443	308.831	312.779

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0634	ppb	0.2024	9.8	-250.187
Al 308.215	141519	ppb	299.725	0.2	1113324
As 188.980	194.502	ppb	1.7855	0.9	131.143
B 249.678	7.7285	ppb	0.5492	7.1	-1076.73
Ba 389.178	400.964	ppb	1.3060	0.3	10473.2
Be 313.042	18.5866	ppb	0.0402	0.2	39082.7
Ca 370.602	22401	ppb	95.00	0.4	61954
Cd 226.502	-4.5732	ppb	0.1424	3.1	2198.44
Co 228.615	85.5132	ppb	0.7997	0.9	1076.31
Cr 267.716	467.694	ppb	1.0673	0.2	28585.3
Cu 324.754	72.8518	ppb	0.5198	0.7	5901.93
Fe 271.441	470797	ppb	985.583	0.2	833495
K 766.491	4741.73	ppb	4.4459	0.1	228040
Mg 279.078	6697.10	ppb	22.3196	0.3	19723.2
Mn 257.610	5731.56	ppb	7.3394	0.1	1441190
Mo 202.032	10.4610	ppb	0.5395	5.2	57.7070
Na 330.237	-38.7401	ppb	39.6527	102.4	-108.653
Ni 231.604	106.737	ppb	0.1210	0.1	398.027
Pb 220.353	198.383	ppb	3.1083	1.6	373.133
Sb 206.834	7.6506	ppb	1.8522	24.2	26.0880
Se 196.026	-8.3760	ppb	4.6451	55.5	7.2248
Sn 189.925	20.2229	ppb	2.6868	13.3	10.5123
Sr 216.596	87.7784	ppb	0.9442	1.1	1772.61
Ti 334.941	543.653	ppb	1.2953	0.2	182822
Tl 190.794	-0.6374	ppb	2.3054	361.7	-84.2027
V 292.401	648.572	ppb	1.7546	0.3	20070.3
Zn 206.200	311.018	ppb	2.0079	0.6	338.383

680-109515-b-28-a (Samp) **2/3/2015, 9:29:45 PM** **Rack 2, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	1.6264	1.9284	2.4157
Al 308.215	140235	140662	140545
As 188.980	288.601	283.557	286.824

Label	Replicates Concentration		
B 249.678	61.0273u	61.8152u	62.0822u
Ba 389.178	2432.62	2439.30	2435.05
Be 313.042	21.3558	21.3706	21.3577
Ca 370.602	343149	341336	339296
Cd 226.502	3.6224	4.5037	4.9098
Co 228.615	134.063	136.831	134.292
Cr 267.716	347.467	348.773	348.786
Cu 324.754	314.985	318.180	317.865
Fe 271.441	460917	463162	461122
K 766.491	14141.1	14194.8	14135.6
Mg 279.078	45953.1	46098.7	46163.0
Mn 257.610	19971.6	19809.0	19881.0
Mo 202.032	22.7727	22.4386	22.7395
Na 330.237	1152.38u	1148.65u	1059.56u
Ni 231.604	123.918	120.884	124.426
Pb 220.353	2096.74	2101.74	2114.23
Sb 206.834	13.5310	15.2614	17.8348
Se 196.026	-15.0349	-7.9355	-5.0290
Sn 189.925	538.292	536.921	539.220
Sr 216.596	636.637	639.261	642.208
Ti 334.941	1453.08	1460.37	1459.25
Tl 190.794	3.7452u	7.0792u	4.9932u
V 292.401	562.541	563.644	563.108
Zn 206.200	2572.91	2563.40	2589.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.9902	ppb	0.3982	20.0	186.356
Al 308.215	140481	ppb	220.672	0.2	1105144
As 188.980	286.327	ppb	2.5585	0.9	197.342
B 249.678	61.6415	ppb	0.5485	0.9	-18.0193
Ba 389.178	2435.65	ppb	3.3824	0.1	61737.8
Be 313.042	21.3614	ppb	0.0081	0.0	45071.4
Ca 370.602	341260	ppb	1928	0.6	1011135
Cd 226.502	4.3453	ppb	0.6582	15.1	2575.97
Co 228.615	135.062	ppb	1.5360	1.1	1694.18
Cr 267.716	348.342	ppb	0.7576	0.2	21441.1
Cu 324.754	317.010	ppb	1.7608	0.6	24460.8
Fe 271.441	461734	ppb	1240.83	0.3	817456
K 766.491	14157.2	ppb	32.6812	0.2	680232
Mg 279.078	46071.6	ppb	107.566	0.2	136333
Mn 257.610	19887.2	ppb	81.4608	0.4	4996600
Mo 202.032	22.6503	ppb	0.1841	0.8	146.470
Na 330.237	1120.20	ppb	52.5439	4.7	-97.0568
Ni 231.604	123.076	ppb	1.9154	1.6	452.050
Pb 220.353	2104.24	ppb	9.0093	0.4	3520.51
Sb 206.834	15.5424	ppb	2.1656	13.9	35.9608
Se 196.026	-9.3331	ppb	5.1473	55.2	10.1734
Sn 189.925	538.144	ppb	1.1568	0.2	415.133
Sr 216.596	639.369	ppb	2.7867	0.4	8909.43
Ti 334.941	1457.57	ppb	3.9231	0.3	490181
Tl 190.794	5.2726	ppb	1.6845	31.9	-67.9379
V 292.401	563.098	ppb	0.5514	0.1	17409.8
Zn 206.200	2575.19	ppb	13.0846	0.5	2932.39

680-109515-b-29-a (Samp) **2/3/2015, 9:34:19 PM** **Rack 2, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-2.4448u	-2.0472u	-1.9699u
Al 308.215	86107.1	86234.0	86210.1
As 188.980	132.738	128.912	132.579
B 249.678	14.8091u	14.4620u	14.7868u
Ba 389.178	773.813	774.497	773.723
Be 313.042	11.3734	11.3632	11.3856
Ca 370.602	40737	40752	40755
Cd 226.502	-1.7087	-1.7474	-1.5945
Co 228.615	70.7988	70.4813	70.6288
Cr 267.716	246.382	246.261	246.342
Cu 324.754	85.7904	87.3999	86.2020
Fe 271.441	227571	227379	227640
K 766.491	4044.28	4059.10	4047.87
Mg 279.078	7894.87	7889.82	7890.47
Mn 257.610	8482.34	8511.67	8528.93
Mo 202.032	7.6129	7.9599	8.2271
Na 330.237	36.4655u	107.483u	173.326u
Ni 231.604	54.1039	55.5524	56.8833
Pb 220.353	482.804	480.350	478.214
Sb 206.834	6.1953	6.7992	6.5617
Se 196.026	-1.2377	-2.1593	7.0848
Sn 189.925	80.6646	78.0334	86.7820
Sr 216.596	139.502	139.935	139.759
Ti 334.941	623.081	624.161	624.747
Tl 190.794	4.4286u	6.9665u	3.3531u
V 292.401	330.524	331.199	330.993
Zn 206.200	448.416	447.573	444.887

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1540	ppb	0.2548	11.8	-199.916
Al 308.215	86183.7	ppb	67.4306	0.1	678120
As 188.980	131.410	ppb	2.1645	1.6	87.4238
B 249.678	14.6859	ppb	0.1943	1.3	-294.137
Ba 389.178	774.011	ppb	0.4231	0.1	19647.7
Be 313.042	11.3741	ppb	0.0112	0.1	23803.7
Ca 370.602	40748	ppb	9.572	0.0	119257
Cd 226.502	-1.6835	ppb	0.0795	4.7	1098.81
Co 228.615	70.6363	ppb	0.1589	0.2	880.319
Cr 267.716	246.328	ppb	0.0614	0.0	15082.4
Cu 324.754	86.4641	ppb	0.8362	1.0	6832.20
Fe 271.441	227530	ppb	135.608	0.1	402827
K 766.491	4050.42	ppb	7.7270	0.2	194838
Mg 279.078	7891.72	ppb	2.7484	0.0	23230.7
Mn 257.610	8507.65	ppb	23.5526	0.3	2137552
Mo 202.032	7.9333	ppb	0.3080	3.9	51.9172
Na 330.237	105.758	ppb	68.4467	64.7	-36.9131
Ni 231.604	55.5132	ppb	1.3901	2.5	203.204
Pb 220.353	480.456	ppb	2.2967	0.5	822.848
Sb 206.834	6.5187	ppb	0.3043	4.7	16.8563
Se 196.026	1.2293	ppb	5.0920	414.2	10.2887
Sn 189.925	81.8266	ppb	4.4886	5.5	58.6401
Sr 216.596	139.732	ppb	0.2178	0.2	2108.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	623.996	ppb	0.8449	0.1	209802
Tl 190.794	4.9160	ppb	1.8554	37.7	-35.4790
V 292.401	330.905	ppb	0.3457	0.1	10243.7
Zn 206.200	446.959	ppb	1.8431	0.4	503.627

680-109515-b-30-a (Samp) **2/3/2015, 9:38:55 PM** **Rack 2, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-3.4747u	-3.9126u	-3.5176u
Al 308.215	102207	102224	102503
As 188.980	75.0738	70.5905	70.5874
B 249.678	6.8889u	7.3765u	7.5484u
Ba 389.178	334.457	333.906	334.737
Be 313.042	12.1330	12.1149	12.1366
Ca 370.602	18089	18062	18100
Cd 226.502	-2.2486	-2.3632	-2.1229
Co 228.615	48.1448	48.5805	47.9387
Cr 267.716	261.915	261.908	262.237
Cu 324.754	59.3726	59.6106	59.7623
Fe 271.441	181758	181608	181845
K 766.491	3124.28	3116.55	3125.75
Mg 279.078	5402.33	5396.53	5398.24
Mn 257.610	5840.48	5844.57	5851.91
Mo 202.032	4.7105	4.3175	4.9190
Na 330.237	14.2432u	-57.4997u	-2.2014u
Ni 231.604	52.4538	51.9365	53.2397
Pb 220.353	124.608	119.819	116.804
Sb 206.834	1.9475	5.7870	4.1489
Se 196.026	6.7487	-3.2916	-9.8954u
Sn 189.925	18.2364	18.0705	15.5538
Sr 216.596	77.0232	77.6356	77.3629
Ti 334.941	560.612	559.345	561.170
Tl 190.794	3.1902u	4.2156u	5.4982u
V 292.401	273.348	272.991	273.596
Zn 206.200	176.370	173.055	175.204

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.6350	ppb	0.2414	6.6	-341.795
Al 308.215	102311	ppb	166.156	0.2	804922
As 188.980	72.0839	ppb	2.5893	3.6	45.0177
B 249.678	7.2713	ppb	0.3421	4.7	-314.307
Ba 389.178	334.367	ppb	0.4230	0.1	8543.23
Be 313.042	12.1282	ppb	0.0117	0.1	25392.9
Ca 370.602	18084	ppb	19.74	0.1	52247
Cd 226.502	-2.2449	ppb	0.1202	5.4	839.276
Co 228.615	48.2213	ppb	0.3277	0.7	604.805
Cr 267.716	262.020	ppb	0.1878	0.1	15993.3
Cu 324.754	59.5818	ppb	0.1965	0.3	4768.76
Fe 271.441	181737	ppb	119.829	0.1	321755
K 766.491	3122.19	ppb	4.9419	0.2	150258
Mg 279.078	5399.03	ppb	2.9820	0.1	15881.8
Mn 257.610	5845.65	ppb	5.7889	0.1	1468830
Mo 202.032	4.6490	ppb	0.3054	6.6	30.4974

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-15.1527	ppb	37.5841	248.0	-24.3267
Ni 231.604	52.5433	ppb	0.6562	1.2	189.032
Pb 220.353	120.410	ppb	3.9357	3.3	224.653
Sb 206.834	3.9611	ppb	1.9267	48.6	12.4467
Se 196.026	-2.1461	ppb	8.3810	390.5	7.5175
Sn 189.925	17.2869	ppb	1.5032	8.7	8.2192
Sr 216.596	77.3406	ppb	0.3068	0.4	1242.33
Ti 334.941	560.376	ppb	0.9353	0.2	188401
Tl 190.794	4.3013	ppb	1.1564	26.9	-30.0769
V 292.401	273.312	ppb	0.3042	0.1	8459.66
Zn 206.200	174.876	ppb	1.6821	1.0	193.652

680-109515-a-31-a (Samp) **2/3/2015, 9:43:30 PM** **Rack 2, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	-2.7099u	-2.8545u	-2.6189u
Al 308.215	115742	116143	115615
As 188.980	74.6011	76.4012	76.9142
B 249.678	7.4925u	7.2290u	7.8356u
Ba 389.178	468.080	468.564	464.883
Be 313.042	11.8255	11.8415	11.7502
Ca 370.602	20520	20657	20587
Cd 226.502	-1.9859	-2.4597	-2.2610
Co 228.615	50.4270	50.2037	50.5641
Cr 267.716	248.475	248.609	247.038
Cu 324.754	48.4482	48.6007	48.4381
Fe 271.441	199009	199381	198035
K 766.491	3865.70	3869.90	3839.67
Mg 279.078	5656.17	5673.90	5659.88
Mn 257.610	6236.29	6240.93	6207.27
Mo 202.032	5.1963	5.4540	4.7253
Na 330.237	-35.8574u	-55.8890u	-78.3739u
Ni 231.604	59.5471	59.0821	58.0480
Pb 220.353	132.451	129.120	127.443
Sb 206.834	1.2046	6.4933	6.2622
Se 196.026	-0.2475	8.1488	-1.8232
Sn 189.925	16.3704	17.2269	20.3972
Sr 216.596	82.8408	83.5653	83.7451
Ti 334.941	476.273	476.723	473.293
Tl 190.794	4.0052u	-1.9401u	1.8472u
V 292.401	295.438	296.061	294.134
Zn 206.200	174.824	178.887	178.805

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7278	ppb	0.1188	4.4	-258.514
Al 308.215	115834	ppb	275.788	0.2	911259
As 188.980	75.9722	ppb	1.2148	1.6	47.6978
B 249.678	7.5190	ppb	0.3042	4.0	-354.791
Ba 389.178	467.176	ppb	2.0003	0.4	11899.3
Be 313.042	11.8057	ppb	0.0488	0.4	24713.0
Ca 370.602	20588	ppb	68.42	0.3	59483
Cd 226.502	-2.2355	ppb	0.2379	10.6	926.193
Co 228.615	50.3982	ppb	0.1819	0.4	630.394

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	248.041	ppb	0.8713	0.4	15158.5
Cu 324.754	48.4956	ppb	0.0911	0.2	3933.29
Fe 271.441	198808	ppb	695.228	0.3	351977
K 766.491	3858.42	ppb	16.3782	0.4	185617
Mg 279.078	5663.32	ppb	9.3523	0.2	16652.5
Mn 257.610	6228.16	ppb	18.2421	0.3	1564956
Mo 202.032	5.1252	ppb	0.3695	7.2	33.0715
Na 330.237	-56.7067	ppb	21.2700	37.5	-31.4054
Ni 231.604	58.8924	ppb	0.7673	1.3	211.961
Pb 220.353	129.672	ppb	2.5493	2.0	241.043
Sb 206.834	4.6534	ppb	2.9890	64.2	13.5961
Se 196.026	2.0260	ppb	5.3607	264.6	9.8361
Sn 189.925	17.9982	ppb	2.1213	11.8	8.7749
Sr 216.596	83.3837	ppb	0.4787	0.6	1343.39
Ti 334.941	475.430	ppb	1.8640	0.4	159843
Tl 190.794	1.3041	ppb	3.0096	230.8	-36.2536
V 292.401	295.211	ppb	0.9833	0.3	9137.68
Zn 206.200	177.505	ppb	2.3225	1.3	196.061

680-109515-a-32-a (Samp) **2/3/2015, 9:48:05 PM** **Rack 2, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	-4.8148u	-4.6682u	-4.7327u
Al 308.215	126379	125901	125823
As 188.980	248.442	250.072	241.951
B 249.678	13.7002u	13.0864u	13.9764u
Ba 389.178	7393.04	7384.06	7375.61
Be 313.042	20.2237	20.2053	20.1779
Ca 370.602	92605	92482	91970
Cd 226.502	11.2533	10.9103	11.2880
Co 228.615	283.527	283.087	280.443
Cr 267.716	386.977	386.070	386.119
Cu 324.754	195.303	196.195	196.355
Fe 271.441	403153	400469	401329
K 766.491	7341.17	7314.74	7308.16
Mg 279.078	26057.3	25987.2	25976.9
Mn 257.610	46672.3x	46561.3x	46476.6x
Mo 202.032	24.9931	26.0176	25.4189
Na 330.237	-22.6650u	293.141u	95.1594u
Ni 231.604	196.949	196.950	195.764
Pb 220.353	618.382	615.602	616.895
Sb 206.834	7.1618	11.2418	12.7965
Se 196.026	-7.3986	-3.3116	-4.6574
Sn 189.925	63.6230	58.8294	61.3556
Sr 216.596	411.003	408.973	411.215
Ti 334.941	755.938	754.952	754.264
Tl 190.794	12.5700u	16.2402u	11.7515u
V 292.401	533.479	532.957	531.237
Zn 206.200	1109.72	1101.30	1104.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.7386b	ppb	0.0735	1.6	-266.569
Al 308.215	126034b	ppb	301.188	0.2	991531

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	246.822b	ppb	4.2963	1.7	169.317
B 249.678	13.5877b	ppb	0.4555	3.4	-778.831
Ba 389.178	7384.24b	ppb	8.7149	0.1	186114
Be 313.042	20.2023b	ppb	0.0230	0.1	42505.5
Ca 370.602	92353b	ppb	336.9	0.4	271923
Cd 226.502	11.1506b	ppb	0.2088	1.9	2589.61
Co 228.615	282.353b	ppb	1.6681	0.6	3455.07
Cr 267.716	386.389b	ppb	0.5102	0.1	23854.3
Cu 324.754	195.951b	ppb	0.5668	0.3	15231.1
Fe 271.441	401650b	ppb	1370.73	0.3	711106
K 766.491	7321.36b	ppb	17.4701	0.2	351930
Mg 279.078	26007.2b	ppb	43.7178	0.2	76149.7
Mn 257.610	46570.1xb	ppb	98.1535	0.2	11697429
Mo 202.032	25.4765b	ppb	0.5147	2.0	170.004
Na 330.237	121.878b	ppb	159.589	130.9	-100.034
Ni 231.604	196.554b	ppb	0.6843	0.3	693.131
Pb 220.353	616.960b	ppb	1.3916	0.2	1067.87
Sb 206.834	10.4000b	ppb	2.9101	28.0	27.5071
Se 196.026	-5.1225b	ppb	2.0828	40.7	18.2671
Sn 189.925	61.2693b	ppb	2.3979	3.9	42.5795
Sr 216.596	410.397b	ppb	1.2378	0.3	5808.32
Ti 334.941	755.051b	ppb	0.8413	0.1	253928
Tl 190.794	13.5205b	ppb	2.3905	17.7	-32.6779
V 292.401	532.558b	ppb	1.1733	0.2	16471.2
Zn 206.200	1105.05b	ppb	4.2826	0.4	1250.64

Cont Calib Verif (CCV) **2/3/2015, 9:52:41 PM** **Rack 2, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	471.377	473.947	476.900
Al 308.215	4713.88	4710.50	4730.32
As 188.980	472.084	481.137	485.517
B 249.678	473.325	474.416	478.088
Ba 389.178	4755.17	4757.39	4777.06
Be 313.042	481.664	480.852	483.662
Ca 370.602	4827	4829	4836
Cd 226.502	475.619	475.417	477.794
Co 228.615	484.338	484.058	484.122
Cr 267.716	4896.19	4889.46	4909.51
Cu 324.754	4957.25	4958.45	4888.41
Fe 271.441	4708.29	4705.64	4728.85
K 766.491	10151.8	10147.6	10194.2
Mg 279.078	4829.67	4818.65	4838.60
Mn 257.610	4901.22	4871.72	4889.79
Mo 202.032	478.728	478.822	481.751
Na 330.237	7275.09	7150.95	7279.78
Ni 231.604	2402.52	2396.69	2387.35
Pb 220.353	473.619	476.386	474.429
Sb 206.834	940.327	942.958	943.411
Se 196.026	4769.38	4766.16	4800.34
Sn 189.925	4783.56	4783.23	4847.09
Sr 216.596	2365.85	2348.40	2363.18
Ti 334.941	468.188	468.381	470.539

Label	Replicates Concentration		
Tl 190.794	4862.85	4849.34	4864.27
V 292.401	4820.05	4824.38	4837.80
Zn 206.200	2365.22	2373.60	2381.69

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	474.075	ppb	2.7638	0.6	44069.5	94.81501
Al 308.215	4718.23	ppb	10.6023	0.2	38206.1	94.36463
As 188.980	479.579	ppb	6.8503	1.4	339.647	95.91589
B 249.678	475.276	ppb	2.4952	0.5	9164.81	95.05524
Ba 389.178	4763.21	ppb	12.0501	0.3	119804	95.26419
Be 313.042	482.059	ppb	1.4461	0.3	1020516	96.41186
Ca 370.602	4831	ppb	5.129	0.1	14721	96.61111
Cd 226.502	476.277	ppb	1.3176	0.3	22588.4	95.25530
Co 228.615	484.173	ppb	0.1467	0.0	5854.39	96.83462
Cr 267.716	4898.39	ppb	10.2012	0.2	296304	97.96774
Cu 324.754	4934.70	ppb	40.0946	0.8	375247	98.69407
Fe 271.441	4714.26	ppb	12.7024	0.3	8465.48	94.28522
K 766.491	10164.5	ppb	25.7620	0.3	488478	101.64512
Mg 279.078	4828.97	ppb	9.9905	0.2	14250.9	96.57946
Mn 257.610	4887.58	ppb	14.8738	0.3	1227597	97.75156
Mo 202.032	479.767	ppb	1.7189	0.4	3473.44	95.95342
Na 330.237	7235.27	ppb	73.0641	1.0	377.295	96.47028
Ni 231.604	2395.52	ppb	7.6541	0.3	8051.44	95.82073
Pb 220.353	474.811	ppb	1.4226	0.3	801.514	94.96228
Sb 206.834	942.232	ppb	1.6650	0.2	1451.67	94.22321
Se 196.026	4778.63	ppb	18.8742	0.4	2365.64	95.57256
Sn 189.925	4804.63	ppb	36.7718	0.8	3748.28	96.09252
Sr 216.596	2359.14	ppb	9.4006	0.4	29961.7	94.36568
Ti 334.941	469.036	ppb	1.3054	0.3	157658	93.80722
Tl 190.794	4858.82	ppb	8.2439	0.2	5764.33	97.17638
V 292.401	4827.41	ppb	9.2571	0.2	150753	96.54819
Zn 206.200	2373.50	ppb	8.2359	0.3	2708.74	94.94012

Cont Calib Blank (CCB) **2/3/2015, 9:57:15 PM** **Rack 2, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	-0.0792u	0.1416	-0.0135u
Al 308.215	2.2396	2.6864	2.9569
As 188.980	-1.8638u	-0.9778u	3.3130
B 249.678	1.8679	2.1685	1.5612
Ba 389.178	-0.2230u	0.1464	-0.1958u
Be 313.042	0.0089	0.0162	0.0148
Ca 370.602	3.140	-0.0137	1.738
Cd 226.502	0.1171	0.1311	0.0528
Co 228.615	-0.1580u	-0.0922u	0.2975
Cr 267.716	0.1530	0.0957	0.2139
Cu 324.754	0.3956	0.1325	-0.0148u
Fe 271.441	1.1261	6.2444	4.6168
K 766.491	1.0446	0.6586	1.1218
Mg 279.078	0.6469	1.0477	-1.6687u
Mn 257.610	0.7136	0.7003	0.7509
Mo 202.032	-0.0454u	0.1610	0.2732
Na 330.237	-49.8450u	-51.1723u	-1.2191u

Label	Replicates Concentration		
Ni 231.604	0.5948	-0.4454u	-0.5939u
Pb 220.353	0.3558	0.2434	-1.3517u
Sb 206.834	2.6992	0.8483	4.2160
Se 196.026	1.7136	0.3385	-1.9670u
Sn 189.925	2.3462	-2.5064u	1.9149
Sr 216.596	0.0491	0.0742	0.1884
Ti 334.941	0.1876	0.1550	0.1284
Tl 190.794	-0.2124u	1.1988	0.0544
V 292.401	0.0093	0.2719	-0.0058u
Zn 206.200	0.9228	0.6691	-0.9238u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0163	ppb	0.1134	695.2	0.9172	0.01631
Al 308.215	2.6277	ppb	0.3622	13.8	365.417	2.62766
As 188.980	0.1571	ppb	2.7687	1761.9	-5.4993	0.15714
B 249.678	1.8659	ppb	0.3037	16.3	67.2771	1.86585
Ba 389.178	-0.0908	ppb	0.2059	226.7	-40.6799	-0.09080
Be 313.042	0.0133	ppb	0.0039	29.2	-282.002	0.01331
Ca 370.602	1.621	ppb	1.580	97.5	21.93	1.62126
Cd 226.502	0.1003	ppb	0.0417	41.6	26.5543	0.10033
Co 228.615	0.0158	ppb	0.2462	1561.8	-4.0448	0.01576
Cr 267.716	0.1542	ppb	0.0591	38.3	23.4555	0.15420
Cu 324.754	0.1711	ppb	0.2079	121.5	174.600	0.17108
Fe 271.441	3.9958	ppb	2.6150	65.4	18.2518	3.99578
K 766.491	0.9417	ppb	0.2482	26.4	354.958	0.94166
Mg 279.078	0.0086	ppb	1.4664	17016.3	22.7970	0.00862
Mn 257.610	0.7216	ppb	0.0262	3.6	237.916	0.72161
Mo 202.032	0.1296	ppb	0.1616	124.7	7.1793	0.12963
Na 330.237	-34.0788	ppb	28.4650	83.5	29.0423	-34.07880
Ni 231.604	-0.1482	ppb	0.6477	437.1	-4.9724	-0.14816
Pb 220.353	-0.2509	ppb	0.9550	380.7	13.1040	-0.25086
Sb 206.834	2.5879	ppb	1.6866	65.2	3.4770	2.58785
Se 196.026	0.0284	ppb	1.8598	6553.4	5.3740	0.02838
Sn 189.925	0.5849	ppb	2.6858	459.2	-4.8286	0.58491
Sr 216.596	0.1039	ppb	0.0743	71.5	2.6197	0.10390
Ti 334.941	0.1570	ppb	0.0297	18.9	-0.2375	0.15698
Tl 190.794	0.3469	ppb	0.7497	216.1	-7.8125	0.34692
V 292.401	0.0918	ppb	0.1561	170.1	-4.6336	0.09179
Zn 206.200	0.2227	ppb	1.0009	449.5	0.9393	0.22267

680-109515-b-33-a (Samp) **2/3/2015, 10:01:50 PM** **Rack 2, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-2.0537u	-1.9872u	-1.9318u
Al 308.215	127530	127731	127112
As 188.980	188.091	182.653	181.008
B 249.678	17.2440u	17.2156u	16.8527u
Ba 389.178	615.932	616.210	614.066
Be 313.042	17.0035	17.0380	16.9253
Ca 370.602	49414	49496	49111
Cd 226.502	0.1682	0.4151	0.6939
Co 228.615	73.8013	73.8229	73.7878
Cr 267.716	377.743	378.195	376.759

Label	Replicates Concentration		
Cu 324.754	144.859	146.531	144.559
Fe 271.441	362049	363811	361699
K 766.491	7289.23	7312.14	7271.80
Mg 279.078	8701.75	8711.69	8696.36
Mn 257.610	4205.84	4213.67	4208.08
Mo 202.032	11.6684	11.8209	11.1769
Na 330.237	166.387u	225.458u	85.0161u
Ni 231.604	100.461	101.473	102.809
Pb 220.353	426.292	422.017	427.983
Sb 206.834	8.9562	7.6125	8.3434
Se 196.026	5.3888	-9.5263u	-7.7845
Sn 189.925	26.3812	28.1390	31.5847
Sr 216.596	175.032	176.525	175.739
Ti 334.941	602.832	604.491	601.666
Tl 190.794	2.0138u	-1.6573u	-4.0193u
V 292.401	499.180	500.986	498.247
Zn 206.200	851.065	850.253	847.519

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9909	ppb	0.0610	3.1	-235.430
Al 308.215	127458	ppb	315.522	0.2	1002715
As 188.980	183.917	ppb	3.7072	2.0	124.290
B 249.678	17.1041	ppb	0.2182	1.3	-606.481
Ba 389.178	615.402	ppb	1.1657	0.2	15777.2
Be 313.042	16.9889	ppb	0.0578	0.3	35704.5
Ca 370.602	49340	ppb	202.7	0.4	143233
Cd 226.502	0.4257	ppb	0.2630	61.8	1882.30
Co 228.615	73.8040	ppb	0.0177	0.0	928.023
Cr 267.716	377.566	ppb	0.7339	0.2	23068.3
Cu 324.754	145.316	ppb	1.0623	0.7	11364.2
Fe 271.441	362520	ppb	1132.16	0.3	641806
K 766.491	7291.06	ppb	20.2318	0.3	350475
Mg 279.078	8703.27	ppb	7.7794	0.1	25721.2
Mn 257.610	4209.20	ppb	4.0300	0.1	1058500
Mo 202.032	11.5554	ppb	0.3366	2.9	71.2291
Na 330.237	158.954	ppb	70.5152	44.4	-80.8482
Ni 231.604	101.581	ppb	1.1778	1.2	370.627
Pb 220.353	425.431	ppb	3.0749	0.7	740.033
Sb 206.834	8.3040	ppb	0.6727	8.1	23.7330
Se 196.026	-3.9740	ppb	8.1551	205.2	7.9634
Sn 189.925	28.7016	ppb	2.6470	9.2	17.1365
Sr 216.596	175.765	ppb	0.7467	0.4	2753.84
Ti 334.941	602.996	ppb	1.4195	0.2	202763
Tl 190.794	-1.2209	ppb	3.0401	249.0	-67.6258
V 292.401	499.471	ppb	1.3922	0.3	15454.6
Zn 206.200	849.612	ppb	1.8577	0.2	959.547

680-109515-a-34-a (Samp) **2/3/2015, 10:06:25 PM** **Rack 2, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	-8.2851u	-9.1734u	-8.2166u
Al 308.215	138096	137738	137931
As 188.980	250.026	242.279	257.401

Label	Replicates Concentration		
B 249.678	6.7922u	6.2137u	7.0259u
Ba 389.178	5915.18	5907.77	5918.62
Be 313.042	23.8313	23.8294	23.8602
Ca 370.602	32532	32507	32459
Cd 226.502	-1.3199	-1.7172	-1.5830
Co 228.615	371.321	374.658	373.976
Cr 267.716	448.957	448.760	449.201
Cu 324.754	89.3642	88.9966	89.7103
Fe 271.441	510753	509490	510172
K 766.491	6259.37	6218.87	6246.29
Mg 279.078	8262.48	8243.90	8240.34
Mn 257.610	46409.1x	46375.6x	46183.2x
Mo 202.032	16.5209	17.3639	15.7246
Na 330.237	-246.802u	-137.837u	-142.422u
Ni 231.604	153.816	153.692	153.269
Pb 220.353	841.379	841.652	848.547
Sb 206.834	9.0107	7.7507	4.5002
Se 196.026	-9.4535	13.6375	-12.8839
Sn 189.925	17.3187	19.9207	19.4446
Sr 216.596	152.928	150.591	151.870
Ti 334.941	407.755	406.636	407.790
Tl 190.794	17.8706u	14.0788u	13.0353u
V 292.401	662.007	661.333	661.110
Zn 206.200	439.291	439.219	439.205

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-8.5584b	ppb	0.5337	6.2	-633.449
Al 308.215	137921b	ppb	179.019	0.1	1085038
As 188.980	249.902b	ppb	7.5619	3.0	170.770
B 249.678	6.6773b	ppb	0.4181	6.3	-1200.72
Ba 389.178	5913.86b	ppb	5.5453	0.1	149181
Be 313.042	23.8403b	ppb	0.0172	0.1	50191.6
Ca 370.602	32499b	ppb	37.03	0.1	92580
Cd 226.502	-1.5400b	ppb	0.2021	13.1	2539.95
Co 228.615	373.318b	ppb	1.7626	0.5	4555.22
Cr 267.716	448.973b	ppb	0.2208	0.0	27694.6
Cu 324.754	89.3570b	ppb	0.3569	0.4	7174.17
Fe 271.441	510138b	ppb	632.333	0.1	903179
K 766.491	6241.51b	ppb	20.6667	0.3	300069
Mg 279.078	8248.91b	ppb	11.8863	0.1	23414.7
Mn 257.610	46322.6xb	ppb	121.915	0.3	11635499
Mo 202.032	16.5364b	ppb	0.8197	5.0	99.7308
Na 330.237	-175.687b	ppb	61.6305	35.1	-130.238
Ni 231.604	153.592b	ppb	0.2872	0.2	558.447
Pb 220.353	843.859b	ppb	4.0618	0.5	1449.93
Sb 206.834	7.0872b	ppb	2.3273	32.8	25.6752
Se 196.026	-2.9000b	ppb	14.4242	497.4	20.3511
Sn 189.925	18.8947b	ppb	1.3854	7.3	9.4746
Sr 216.596	151.796b	ppb	1.1699	0.8	2643.16
Ti 334.941	407.394b	ppb	0.6566	0.2	137017
Tl 190.794	14.9949b	ppb	2.5445	17.0	-48.8931
V 292.401	661.483b	ppb	0.4669	0.1	20456.1
Zn 206.200	439.238b	ppb	0.0461	0.0	483.836

680-109515-a-35-a (Samp) **2/3/2015, 10:11:00 PM** **Rack 2, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	-3.8482u	-3.5113u	-3.4607u
Al 308.215	162253	162708	162222
As 188.980	208.134	216.621	206.242
B 249.678	8.8514u	8.9141u	8.8682u
Ba 389.178	1213.10	1217.39	1212.08
Be 313.042	22.0856	22.1669	22.0645
Ca 370.602	29981	30101	29938
Cd 226.502	-2.6841	-2.5149	-2.6249
Co 228.615	129.660	129.416	130.492
Cr 267.716	466.202	468.178	465.809
Cu 324.754	79.6744	77.6964	77.6603
Fe 271.441	490586	493347	491002
K 766.491	6671.35	6676.54	6674.39
Mg 279.078	9444.69	9479.40	9428.71
Mn 257.610	15073.2	15162.6	15033.2
Mo 202.032	10.7386	11.7781	11.4223
Na 330.237	30.2822u	45.8027u	18.4216u
Ni 231.604	119.315	118.137	117.200
Pb 220.353	251.179	254.848	258.827
Sb 206.834	6.2829	9.3734	4.9587
Se 196.026	-3.1298	4.9220	-11.6219
Sn 189.925	19.1458	21.3365	16.4151
Sr 216.596	115.364	116.656	115.839
Ti 334.941	436.758	438.661	436.414
Tl 190.794	2.1553u	0.7154u	1.6202u
V 292.401	632.200	633.710	629.599
Zn 206.200	458.695	456.743	457.532

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.6067	ppb	0.2107	5.8	-345.567
Al 308.215	162394	ppb	271.829	0.2	1277472
As 188.980	210.332	ppb	5.5278	2.6	142.396
B 249.678	8.8779	ppb	0.0324	0.4	-1110.87
Ba 389.178	1214.19	ppb	2.8199	0.2	30953.4
Be 313.042	22.1057	ppb	0.0541	0.2	46532.8
Ca 370.602	30007	ppb	84.59	0.3	84545
Cd 226.502	-2.6080	ppb	0.0859	3.3	2398.90
Co 228.615	129.856	ppb	0.5640	0.4	1611.50
Cr 267.716	466.730	ppb	1.2695	0.3	28589.6
Cu 324.754	78.3437	ppb	1.1525	1.5	6329.19
Fe 271.441	491645	ppb	1488.93	0.3	870408
K 766.491	6674.09	ppb	2.6079	0.0	320844
Mg 279.078	9450.94	ppb	25.9136	0.3	27680.6
Mn 257.610	15089.7	ppb	66.2515	0.4	3791518
Mo 202.032	11.3130	ppb	0.5283	4.7	62.8415
Na 330.237	31.5022	ppb	13.7313	43.6	-114.172
Ni 231.604	118.217	ppb	1.0599	0.9	438.486
Pb 220.353	254.951	ppb	3.8253	1.5	469.724
Sb 206.834	6.8717	ppb	2.2655	33.0	25.3317
Se 196.026	-3.2766	ppb	8.2729	252.5	12.2655
Sn 189.925	18.9658	ppb	2.4657	13.0	9.5302
Sr 216.596	115.953	ppb	0.6534	0.6	2162.74

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	437.278	ppb	1.2099	0.3	147066
Tl 190.794	1.4970	ppb	0.7278	48.6	-79.9527
V 292.401	631.836	ppb	2.0791	0.3	19536.0
Zn 206.200	457.657	ppb	0.9823	0.2	505.560

680-109515-a-36-a (Samp) **2/3/2015, 10:15:35 PM** **Rack 2, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-1.2833u	-1.4855u	-1.2847u
Al 308.215	223398	223398	222881
As 188.980	206.895	217.342	202.389
B 249.678	99.0738	99.6499	99.2233
Ba 389.178	2559.31	2555.92	2549.83
Be 313.042	31.7316	31.6809	31.6145
Ca 370.602	652872	653845	655983
Cd 226.502	5.8612	5.9213	6.0418
Co 228.615	92.1452	92.5776	91.7570
Cr 267.716	280.267	279.490	279.278
Cu 324.754	418.293	416.507	412.876
Fe 271.441	273938	274110	273638
K 766.491	25115.8	25158.0	24988.5
Mg 279.078	112423	112516	112347
Mn 257.610	13985.2	14001.5	13967.4
Mo 202.032	21.7719	21.3550	21.4265
Na 330.237	4402.40	4728.82	4321.36
Ni 231.604	113.037	114.412	113.513
Pb 220.353	1055.94	1061.61	1065.27
Sb 206.834	12.8879	6.2649	12.1276
Se 196.026	0.6819	17.7038	-0.5765
Sn 189.925	55.8629	51.8130	62.1842
Sr 216.596	1157.09	1156.52	1158.36
Ti 334.941	3174.41	3159.95	3155.88
Tl 190.794	-3.8579u	4.7869u	-0.6303u
V 292.401	298.337	298.151	297.627
Zn 206.200	2288.50	2279.31	2283.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3511	ppb	0.1164	8.6	-144.307
Al 308.215	223226	ppb	298.427	0.1	1755734
As 188.980	208.875	ppb	7.6706	3.7	142.889
B 249.678	99.3157	ppb	0.2990	0.3	1207.98
Ba 389.178	2555.02	ppb	4.8045	0.2	64731.3
Be 313.042	31.6756	ppb	0.0587	0.2	67033.8
Ca 370.602	654233	ppb	1592	0.2	1944584
Cd 226.502	5.9414	ppb	0.0920	1.5	1692.29
Co 228.615	92.1599	ppb	0.4105	0.4	1200.40
Cr 267.716	279.678	ppb	0.5210	0.2	17162.8
Cu 324.754	415.892	ppb	2.7606	0.7	31897.3
Fe 271.441	273896	ppb	238.589	0.1	484913
K 766.491	25087.4	ppb	88.2492	0.4	1205176
Mg 279.078	112429	ppb	84.4297	0.1	333492
Mn 257.610	13984.7	ppb	17.0629	0.1	3514165
Mo 202.032	21.5178	ppb	0.2230	1.0	147977

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	4484.19	ppb	215.695	4.8	150.632
Ni 231.604	113.654	ppb	0.6985	0.6	403.045
Pb 220.353	1060.94	ppb	4.7002	0.4	1782.00
Sb 206.834	10.4268	ppb	3.6243	34.8	23.7523
Se 196.026	5.9364	ppb	10.2103	172.0	14.4207
Sn 189.925	56.6200	ppb	5.2269	9.2	38.9490
Sr 216.596	1157.32	ppb	0.9386	0.1	15369.8
Ti 334.941	3163.41	ppb	9.7413	0.3	1063841
Tl 190.794	0.0996	ppb	4.3684	4386.8	-46.0371
V 292.401	298.039	ppb	0.3682	0.1	9212.06
Zn 206.200	2283.81	ppb	4.5978	0.2	2605.79

680-109515-a-37-a (Samp) **2/3/2015, 10:20:09 PM** **Rack 2, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-1.7426u	-2.0066u	-1.3541u
Al 308.215	189761	187185	186761
As 188.980	316.220	300.594	300.765
B 249.678	19.2757u	19.5131u	21.3525u
Ba 389.178	706.903	697.376	695.322
Be 313.042	19.6135	19.3814	19.3334
Ca 370.602	171746	169966	168220
Cd 226.502	-1.4192	-3.0135	-2.4960
Co 228.615	111.302	109.201	111.411
Cr 267.716	533.299	526.467	524.962
Cu 324.754	131.883	130.267	130.541
Fe 271.441	688570	677730	674653
K 766.491	8442.32	8319.03	8321.33
Mg 279.078	30948.3	30476.4	30431.3
Mn 257.610	6360.09	6296.77	6249.51
Mo 202.032	24.7779	25.4707	25.0844
Na 330.237	695.991u	509.736u	589.684u
Ni 231.604	98.7865	95.3671	96.5534
Pb 220.353	415.162	404.340	403.938
Sb 206.834	11.5611	10.9069	21.1850
Se 196.026	-7.3200	-10.4303	-0.2345
Sn 189.925	27.4570	23.4632	20.3037
Sr 216.596	315.503	310.116	306.587
Ti 334.941	910.557	898.328	897.013
Tl 190.794	-4.9960u	-6.4536u	-3.8113u
V 292.401	953.500	939.715	936.881
Zn 206.200	693.540	688.363	686.758

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7011	ppb	0.3282	19.3	-261.346
Al 308.215	187902	ppb	1623.35	0.9	1478123
As 188.980	305.860	ppb	8.9731	2.9	209.860
B 249.678	20.0471	ppb	1.1367	5.7	-1400.22
Ba 389.178	699.867	ppb	6.1796	0.9	18230.5
Be 313.042	19.4428	ppb	0.1498	0.8	40965.2
Ca 370.602	169977	ppb	1763	1.0	498761
Cd 226.502	-2.3096	ppb	0.8133	35.2	3372.51
Co 228.615	110.638	ppb	1.2458	1.1	1402.84

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	528.243	ppb	4.4432	0.8	32361.5
Cu 324.754	130.897	ppb	0.8644	0.7	10405.0
Fe 271.441	680318	ppb	7310.77	1.1	1204422
K 766.491	8360.89	ppb	70.5231	0.8	401856
Mg 279.078	30618.7	ppb	286.327	0.9	90730.5
Mn 257.610	6302.12	ppb	55.4853	0.9	1585423
Mo 202.032	25.1110	ppb	0.3472	1.4	152.936
Na 330.237	598.470	ppb	93.4378	15.6	-140.107
Ni 231.604	96.9023	ppb	1.7362	1.8	384.378
Pb 220.353	407.813	ppb	6.3675	1.6	732.754
Sb 206.834	14.5510	ppb	5.7545	39.5	40.8697
Se 196.026	-5.9950	ppb	5.2255	87.2	10.5861
Sn 189.925	23.7413	ppb	3.5847	15.1	13.2607
Sr 216.596	310.735	ppb	4.4897	1.4	4958.17
Ti 334.941	901.966	ppb	7.4687	0.8	303376
Tl 190.794	-5.0870	ppb	1.3235	26.0	-124.171
V 292.401	943.365	ppb	8.8904	0.9	29204.8
Zn 206.200	689.554	ppb	3.5441	0.5	764.013

680-109515-a-38-a (Samp) **2/3/2015, 10:24:44 PM** **Rack 2, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-1.4628u	-1.8701u	-1.2655u
Al 308.215	128188	127615	127725
As 188.980	208.651	203.945	212.335
B 249.678	18.8533u	18.7630u	18.5767u
Ba 389.178	990.099	987.720	987.232
Be 313.042	13.1927	13.1800	13.1759
Ca 370.602	109568	109488	109634
Cd 226.502	-2.3419	-3.0430	-3.1127
Co 228.615	106.292	106.160	106.488
Cr 267.716	560.608	559.725	559.795
Cu 324.754	133.938	133.128	133.677
Fe 271.441	459909	462508	461405
K 766.491	6339.48	6320.21	6332.47
Mg 279.078	25283.5	25180.5	25139.8
Mn 257.610	4569.74	4564.79	4560.50
Mo 202.032	19.2621	17.1271	18.2721
Na 330.237	477.038u	515.286u	477.306u
Ni 231.604	94.6016	94.5636	92.7018
Pb 220.353	329.574	329.841	334.147
Sb 206.834	12.1296	7.9369	4.3426
Se 196.026	-7.2817	-11.4639u	-2.6993
Sn 189.925	21.2660	25.3697	22.7252
Sr 216.596	269.166	268.970	267.915
Ti 334.941	1082.31	1077.72	1080.06
Tl 190.794	3.1543u	-1.8892u	-5.0117u
V 292.401	661.218	660.117	661.602
Zn 206.200	593.803	590.593	591.399

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5328	ppb	0.3083	20.1	-213.154
Al 308.215	127842	ppb	304.235	0.2	1005778

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	208.311	ppb	4.2056	2.0	141.155
B 249.678	18.7310	ppb	0.1410	0.8	-839.754
Ba 389.178	988.350	ppb	1.5340	0.2	25283.2
Be 313.042	13.1829	ppb	0.0088	0.1	27674.6
Ca 370.602	109563	ppb	73.02	0.1	321497
Cd 226.502	-2.8325	ppb	0.4263	15.1	2231.36
Co 228.615	106.314	ppb	0.1648	0.2	1339.08
Cr 267.716	560.042	ppb	0.4908	0.1	34161.4
Cu 324.754	133.581	ppb	0.4136	0.3	10514.4
Fe 271.441	461274	ppb	1304.42	0.3	816639
K 766.491	6330.72	ppb	9.7557	0.2	304353
Mg 279.078	25201.3	ppb	74.0625	0.3	74706.5
Mn 257.610	4565.01	ppb	4.6196	0.1	1148351
Mo 202.032	18.2204	ppb	1.0684	5.9	114.342
Na 330.237	489.877	ppb	22.0058	4.5	-83.3115
Ni 231.604	93.9557	ppb	1.0861	1.2	354.086
Pb 220.353	331.188	ppb	2.5663	0.8	591.372
Sb 206.834	8.1363	ppb	3.8973	47.9	27.7043
Se 196.026	-7.1483	ppb	4.3838	61.3	7.4511
Sn 189.925	23.1203	ppb	2.0802	9.0	12.7761
Sr 216.596	268.684	ppb	0.6728	0.3	4097.14
Ti 334.941	1080.03	ppb	2.2953	0.2	363201
Tl 190.794	-1.2489	ppb	4.1205	329.9	-83.8859
V 292.401	660.979	ppb	0.7710	0.1	20461.2
Zn 206.200	591.931	ppb	1.6700	0.3	660.308

680-109515-a-39-a (Samp) **2/3/2015, 10:29:19 PM** **Rack 2, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-1.7434u	-1.6863u	-1.4499u
Al 308.215	171138	170750	170736
As 188.980	244.217	248.259	248.228
B 249.678	18.2683u	16.9846u	17.6716u
Ba 389.178	591.416	589.703	588.921
Be 313.042	16.3261	16.3168	16.2908
Ca 370.602	141093	141442	142411
Cd 226.502	-2.8695	-2.7254	-2.9425
Co 228.615	97.5767	96.5343	98.2695
Cr 267.716	484.483	483.550	483.744
Cu 324.754	121.355	119.924	120.253
Fe 271.441	618578	619828	618374
K 766.491	7600.09	7577.85	7531.79
Mg 279.078	26467.8	26456.6	26437.3
Mn 257.610	5461.55	5461.20	5449.73
Mo 202.032	19.9903	19.6668	19.5181
Na 330.237	412.313u	478.782u	305.036u
Ni 231.604	93.7665	92.8090	93.0615
Pb 220.353	309.683	306.243	307.188
Sb 206.834	13.8022	7.3973	7.6859
Se 196.026	-7.4648	-14.9473u	-7.5801
Sn 189.925	23.9141	21.2134	20.8920
Sr 216.596	283.735	284.041	282.566
Ti 334.941	829.866	828.200	826.084

Label	Replicates Concentration		
Tl 190.794	-0.1783u	-7.9994u	-1.5671u
V 292.401	833.533	832.131	831.209
Zn 206.200	597.746	598.624	592.749

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6265	ppb	0.1556	9.6	-246.742
Al 308.215	170875	ppb	228.060	0.1	1344204
As 188.980	246.901	ppb	2.3250	0.9	167.830
B 249.678	17.6415	ppb	0.6424	3.6	-1282.29
Ba 389.178	590.013	ppb	1.2760	0.2	15403.9
Be 313.042	16.3112	ppb	0.0183	0.1	34319.0
Ca 370.602	141649	ppb	683.2	0.5	415120
Cd 226.502	-2.8458	ppb	0.1105	3.9	3034.42
Co 228.615	97.4602	ppb	0.8734	0.9	1237.52
Cr 267.716	483.926	ppb	0.4922	0.1	29644.0
Cu 324.754	120.511	ppb	0.7498	0.6	9589.24
Fe 271.441	618927	ppb	787.307	0.1	1095738
K 766.491	7569.91	ppb	34.8341	0.5	363868
Mg 279.078	26453.9	ppb	15.4581	0.1	78388.5
Mn 257.610	5457.49	ppb	6.7235	0.1	1373050
Mo 202.032	19.7251	ppb	0.2414	1.2	117.148
Na 330.237	398.710	ppb	87.6680	22.0	-132.084
Ni 231.604	93.2123	ppb	0.4963	0.5	366.286
Pb 220.353	307.705	ppb	1.7770	0.6	563.303
Sb 206.834	9.6285	ppb	3.6174	37.6	31.9108
Se 196.026	-9.9974	ppb	4.2871	42.9	7.8024
Sn 189.925	22.0065	ppb	1.6599	7.5	11.9056
Sr 216.596	283.447	ppb	0.7782	0.3	4515.07
Ti 334.941	828.050	ppb	1.8951	0.2	278506
Tl 190.794	-3.2483	ppb	4.1728	128.5	-112.254
V 292.401	832.291	ppb	1.1700	0.1	25757.1
Zn 206.200	596.373	ppb	3.1689	0.5	659.670

680-109515-a-40-a (Samp) **2/3/2015, 10:33:54 PM** **Rack 2, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	0.2406	0.6502	0.6673
Al 308.215	112099	111569	112076
As 188.980	1232.66	1236.64	1239.05
B 249.678	52.1589	52.1223	52.6917
Ba 389.178	1718.71	1712.98	1715.28
Be 313.042	16.6643	16.5917	16.6485
Ca 370.602	59994	59601	59794
Cd 226.502	41.3263	40.8308	41.9112
Co 228.615	184.684	185.464	184.562
Cr 267.716	532.801	529.286	533.001
Cu 324.754	1033.22	1042.34	1029.27
Fe 271.441	362776	363043	365134
K 766.491	8831.67	8844.51	8830.06
Mg 279.078	15306.5	15224.5	15289.8
Mn 257.610	13253.1	13249.0	13261.5
Mo 202.032	18.4624	19.1627	18.6127
Na 330.237	993.216u	1101.97u	1034.29u

Label	Replicates Concentration		
Ni 231.604	332.220	332.336	331.044
Pb 220.353	2079.25	2051.88	2076.25
Sb 206.834	23.9366	24.5301	28.8562
Se 196.026	7.4725	8.8134	15.1953
Sn 189.925	92.8056	89.1140	91.8552
Sr 216.596	268.849	267.841	269.779
Ti 334.941	1544.80	1539.19	1545.10
Tl 190.794	1.5667u	3.1573u	3.1395u
V 292.401	389.618	388.520	390.320
Zn 206.200	4389.78	4355.29	4397.89

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5194	ppb	0.2416	46.5	45.4284
Al 308.215	111914	ppb	299.751	0.3	880476
As 188.980	1236.12	ppb	3.2276	0.3	882.175
B 249.678	52.3243	ppb	0.3187	0.6	65.7837
Ba 389.178	1715.66	ppb	2.8835	0.2	43469.3
Be 313.042	16.6348	ppb	0.0382	0.2	34945.3
Ca 370.602	59797	ppb	196.5	0.3	174985
Cd 226.502	41.3561	ppb	0.5408	1.3	3826.73
Co 228.615	184.903	ppb	0.4897	0.3	2292.44
Cr 267.716	531.696	ppb	2.0895	0.4	32445.5
Cu 324.754	1034.94	ppb	6.7020	0.6	78996.6
Fe 271.441	363651	ppb	1291.17	0.4	643822
K 766.491	8835.42	ppb	7.9195	0.1	424646
Mg 279.078	15273.6	ppb	43.2999	0.3	45034.2
Mn 257.610	13254.5	ppb	6.3862	0.0	3330232
Mo 202.032	18.7459	ppb	0.3687	2.0	123.323
Na 330.237	1043.16	ppb	54.9152	5.3	-118.724
Ni 231.604	331.867	ppb	0.7149	0.2	1144.99
Pb 220.353	2069.13	ppb	15.0092	0.7	3454.77
Sb 206.834	25.7743	ppb	2.6855	10.4	51.5820
Se 196.026	10.4937	ppb	4.1266	39.3	17.3658
Sn 189.925	91.2583	ppb	1.9168	2.1	66.0081
Sr 216.596	268.823	ppb	0.9696	0.4	3938.22
Ti 334.941	1543.03	ppb	3.3300	0.2	518838
Tl 190.794	2.6212	ppb	0.9132	34.8	-58.2201
V 292.401	389.486	ppb	0.9075	0.2	12009.4
Zn 206.200	4380.99	ppb	22.6243	0.5	5004.06

CRI (Samp) **2/3/2015, 10:38:29 PM** **Rack 2, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	9.9544	10.0296	9.9537
Al 308.215	203.135	199.552	205.580
As 188.980	28.7327	24.1861	18.2018
B 249.678	100.381	97.6087	97.5092
Ba 389.178	9.5938	9.3142	8.7736
Be 313.042	4.1205	4.0547	4.0664
Ca 370.602	510.5	502.7	502.5
Cd 226.502	4.8647	4.7540	4.7056
Co 228.615	10.1677	9.7650	9.8762
Cr 267.716	10.3984	10.1540	10.1248

Label	Replicates Concentration		
Cu 324.754	21.4978	20.9234	21.2487
Fe 271.441	69.9347	79.5544	94.6504
K 766.491	1078.92	1060.93	1062.16
Mg 279.078	507.837	500.402	500.001
Mn 257.610	11.1423	11.1599	11.8204
Mo 202.032	9.3749	9.3598	9.6791
Na 330.237	956.857	834.698	789.995
Ni 231.604	39.0335	39.7467	39.2971
Pb 220.353	7.9954	9.4397	7.6405
Sb 206.834	21.0389	18.0527	19.0420
Se 196.026	22.9193	21.8343	18.8539
Sn 189.925	48.1984	49.1010	50.2039
Sr 216.596	9.6785	9.5797	9.7505
Ti 334.941	10.2727	10.0849	10.1570
Tl 190.794	28.2921	25.5178	23.4830
V 292.401	10.5785	10.3287	10.4850
Zn 206.200	19.8909	20.5965	21.3926

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.9792	ppb	0.0436	0.4	927.796
Al 308.215	202.756	ppb	3.0319	1.5	1940.90
As 188.980	23.7068	ppb	5.2818	22.3	11.4601
B 249.678	98.4995	ppb	1.6299	1.7	1923.68
Ba 389.178	9.2272	ppb	0.4170	4.5	195.024
Be 313.042	4.0805	ppb	0.0351	0.9	8328.03
Ca 370.602	505.2	ppb	4.604	0.9	1524
Cd 226.502	4.7748	ppb	0.0816	1.7	248.180
Co 228.615	9.9363	ppb	0.2080	2.1	115.835
Cr 267.716	10.2257	ppb	0.1502	1.5	632.689
Cu 324.754	21.2233	ppb	0.2880	1.4	1775.26
Fe 271.441	81.3798	ppb	12.4586	15.3	156.622
K 766.491	1067.34	ppb	10.0508	0.9	51570.6
Mg 279.078	502.747	ppb	4.4130	0.9	1515.45
Mn 257.610	11.3742	ppb	0.3865	3.4	2917.98
Mo 202.032	9.4713	ppb	0.1801	1.9	74.7875
Na 330.237	860.517	ppb	86.3749	10.0	78.6963
Ni 231.604	39.3591	ppb	0.3606	0.9	127.882
Pb 220.353	8.3586	ppb	0.9530	11.4	27.3034
Sb 206.834	19.3779	ppb	1.5212	7.9	28.2917
Se 196.026	21.2025	ppb	2.1050	9.9	15.8303
Sn 189.925	49.1677	ppb	1.0044	2.0	33.1265
Sr 216.596	9.6696	ppb	0.0858	0.9	123.402
Ti 334.941	10.1715	ppb	0.0947	0.9	3367.86
Tl 190.794	25.7643	ppb	2.4140	9.4	22.3377
V 292.401	10.4641	ppb	0.1262	1.2	317.413
Zn 206.200	20.6267	ppb	0.7513	3.6	24.2861

mb 680-369215/1-a (Samp) **2/3/2015, 10:43:05 PM** **Rack 2, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	0.0203	0.1066	0.0426
Al 308.215	4.4695	5.5584	6.1551
As 188.980	-1.4452u	-3.5826u	-2.6074u

Label	Replicates Concentration		
B 249.678	0.7259	1.1837	0.9867
Ba 389.178	-0.2764u	-0.6256u	-0.0041u
Be 313.042	-0.0051u	0.0019	0.0026
Ca 370.602	16.87	13.32	16.54
Cd 226.502	0.0350	0.0573	-0.0317u
Co 228.615	-0.3498u	-0.3903u	0.0797
Cr 267.716	1.0107	0.8969	0.9991
Cu 324.754	0.2144	-0.0597u	0.0462
Fe 271.441	15.3760	14.0865	12.2514
K 766.491	8.7543	9.3177	8.8157
Mg 279.078	1.7803	1.7800	0.5957
Mn 257.610	0.3774	0.3599	0.3413
Mo 202.032	-0.3001u	0.2908	-0.2712u
Na 330.237	-44.4354u	-138.900u	30.3391
Ni 231.604	0.2917	1.3303	0.3861
Pb 220.353	-4.0898u	0.7562	-0.0196u
Sb 206.834	2.1291	3.7700	0.5008
Se 196.026	6.9538	0.1688	3.1564
Sn 189.925	4.5894	5.9227	8.6320
Sr 216.596	-0.1170u	0.1314	0.0159
Ti 334.941	0.3013	0.2696	0.2772
Tl 190.794	-1.4309u	1.4277	-0.0762u
V 292.401	-0.2048u	-0.0693u	-0.3106u
Zn 206.200	1.9200	2.9614	2.7387

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0565	ppb	0.0448	79.3	4.6556
Al 308.215	5.3943	ppb	0.8547	15.8	387.124
As 188.980	-2.5450	ppb	1.0700	42.0	-7.4456
B 249.678	0.9654	ppb	0.2296	23.8	49.9457
Ba 389.178	-0.3020	ppb	0.3116	103.2	-45.9796
Be 313.042	-0.0002	ppb	0.0043	1958.3	-310.592
Ca 370.602	15.58	ppb	1.961	12.6	63.38
Cd 226.502	0.0202	ppb	0.0463	229.1	22.8101
Co 228.615	-0.2201	ppb	0.2605	118.3	-6.8863
Cr 267.716	0.9689	ppb	0.0626	6.5	72.7474
Cu 324.754	0.0670	ppb	0.1382	206.4	166.681
Fe 271.441	13.9046	ppb	1.5702	11.3	35.7747
K 766.491	8.9626	ppb	0.3091	3.4	740.176
Mg 279.078	1.3854	ppb	0.6839	49.4	26.8934
Mn 257.610	0.3595	ppb	0.0181	5.0	147.040
Mo 202.032	-0.0935	ppb	0.3331	356.4	5.5641
Na 330.237	-50.9987	ppb	84.8102	166.3	28.0281
Ni 231.604	0.6694	ppb	0.5743	85.8	-2.2215
Pb 220.353	-1.1177	ppb	2.6029	232.9	11.6750
Sb 206.834	2.1333	ppb	1.6346	76.6	2.8234
Se 196.026	3.4264	ppb	3.4005	99.2	7.0515
Sn 189.925	6.3814	ppb	2.0600	32.3	-0.3002
Sr 216.596	0.0101	ppb	0.1243	1229.2	1.4100
Ti 334.941	0.2827	ppb	0.0165	5.9	42.0490
Tl 190.794	-0.0265	ppb	1.4299	5402.3	-8.2569
V 292.401	-0.1949	ppb	0.1209	62.0	-13.5821
Zn 206.200	2.5400	ppb	0.5484	21.6	3.5916

Cont Calib Verif (CCV) **2/3/2015, 10:47:40 PM** **Rack 2, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	473.199	472.272	472.359
Al 308.215	4695.34	4659.34	4704.54
As 188.980	469.149	473.340	479.413
B 249.678	471.124	469.349	476.258
Ba 389.178	4737.64	4703.59	4741.26
Be 313.042	482.650	477.298	481.099
Ca 370.602	4751	4726	4782
Cd 226.502	471.758	468.678	474.574
Co 228.615	480.562	480.192	482.891
Cr 267.716	4858.00	4826.63	4878.38
Cu 324.754	4940.19	4973.79	4968.29
Fe 271.441	4668.07	4638.02	4674.11
K 766.491	10180.5	10092.2	10152.7
Mg 279.078	4799.45	4753.76	4819.21
Mn 257.610	4843.81	4824.74	4862.28
Mo 202.032	474.633	473.608	478.217
Na 330.237	7138.60	7162.99	7272.22
Ni 231.604	2365.63	2350.95	2390.01
Pb 220.353	471.313	473.373	478.910
Sb 206.834	937.008	927.211	947.465
Se 196.026	4753.49	4708.27	4775.06
Sn 189.925	4757.67	4715.70	4807.04
Sr 216.596	2349.98	2337.00	2363.51
Ti 334.941	468.458	464.916	468.268
Tl 190.794	4798.71	4767.06	4827.51
V 292.401	4804.46	4773.10	4814.92
Zn 206.200	2349.47	2326.85	2359.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	472.610	ppb	0.5118	0.1	43932.9	94.52196
Al 308.215	4686.41	ppb	23.8848	0.5	37951.3	93.72816
As 188.980	473.967	ppb	5.1608	1.1	335.606	94.79350
B 249.678	472.243	ppb	3.5880	0.8	9106.65	94.44868
Ba 389.178	4727.50	ppb	20.7828	0.4	118906	94.54991
Be 313.042	480.349	ppb	2.7538	0.6	1016894	96.06978
Ca 370.602	4753	ppb	28.20	0.6	14488	95.05742
Cd 226.502	471.670	ppb	2.9489	0.6	22370.1	94.33401
Co 228.615	481.215	ppb	1.4631	0.3	5818.65	96.24302
Cr 267.716	4854.33	ppb	26.0705	0.5	293639	97.08670
Cu 324.754	4960.76	ppb	18.0273	0.4	377228	99.21516
Fe 271.441	4660.07	ppb	19.3298	0.4	8368.83	93.20132
K 766.491	10141.8	ppb	45.1155	0.4	487387	101.41796
Mg 279.078	4790.81	ppb	33.5699	0.7	14138.3	95.81619
Mn 257.610	4843.61	ppb	18.7693	0.4	1216554	96.87215
Mo 202.032	475.486	ppb	2.4202	0.5	3442.49	95.09718
Na 330.237	7191.27	ppb	71.1565	1.0	375.530	95.88355
Ni 231.604	2368.87	ppb	19.7309	0.8	7961.81	94.75463
Pb 220.353	474.532	ppb	3.9288	0.8	801.028	94.90644
Sb 206.834	937.228	ppb	10.1285	1.1	1443.96	93.72279
Se 196.026	4745.60	ppb	34.0850	0.7	2349.33	94.91207
Sn 189.925	4760.14	ppb	45.7175	1.0	3713.52	95.20271
Sr 216.596	2350.16	ppb	13.2565	0.6	29848.0	94.00648

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	467.214	ppb	1.9927	0.4	157046	93.44281
Tl 190.794	4797.76	ppb	30.2313	0.6	5691.86	95.95518
V 292.401	4797.49	ppb	21.7619	0.5	149818	95.94984
Zn 206.200	2345.23	ppb	16.6720	0.7	2676.41	93.80915

Cont Calib Blank (CCB) **2/3/2015, 10:52:14 PM** **Rack 2, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	-0.0099u	-0.2193u	-0.0101u
Al 308.215	1.8162	0.2140	1.3156
As 188.980	1.0439	3.2366	-1.2352u
B 249.678	2.0869	1.6961	1.4343
Ba 389.178	0.1384	-0.3066u	0.0899
Be 313.042	0.0102	0.0158	0.0189
Ca 370.602	1.989	0.0723	0.6107
Cd 226.502	-0.0277u	-0.1186u	-0.0438u
Co 228.615	-0.2026u	0.2140	0.1152
Cr 267.716	0.2185	0.2440	0.2532
Cu 324.754	0.2785	0.2560	0.4048
Fe 271.441	-4.1442u	1.9786	-1.6744u
K 766.491	1.3109	0.6279	1.4655
Mg 279.078	0.6207	-2.2532u	-0.3880u
Mn 257.610	0.1876	0.1978	0.2528
Mo 202.032	-0.2462u	0.2512	0.2742
Na 330.237	-64.3197u	-144.183u	-91.0074u
Ni 231.604	0.2057	0.5570	0.5669
Pb 220.353	-1.1786u	-1.9353u	-0.7188u
Sb 206.834	3.6462	1.2722	2.9232
Se 196.026	2.4000	3.7705	5.8579
Sn 189.925	2.1138	0.4034	3.2736
Sr 216.596	0.2912	0.2529	-0.0716u
Ti 334.941	0.1206	0.0669	0.1019
Tl 190.794	2.4770	0.9569	0.2442
V 292.401	-0.1279u	-0.0876u	-0.1634u
Zn 206.200	-0.8830u	0.7645	1.7913

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0798	ppb	0.1209	151.5	-8.0301	-0.07979
Al 308.215	1.1152	ppb	0.8197	73.5	353.485	1.11525
As 188.980	1.0151	ppb	2.2360	220.3	-4.8812	1.01512
B 249.678	1.7391	ppb	0.3284	18.9	64.8773	1.73910
Ba 389.178	-0.0261	ppb	0.2441	934.8	-39.0582	-0.02612
Be 313.042	0.0150	ppb	0.0044	29.6	-278.528	0.01496
Ca 370.602	0.8908	ppb	0.9888	111.0	19.78	0.89077
Cd 226.502	-0.0634	ppb	0.0485	76.5	18.7788	-0.06339
Co 228.615	0.0422	ppb	0.2177	515.9	-3.7266	0.04219
Cr 267.716	0.2386	ppb	0.0180	7.5	28.5607	0.23860
Cu 324.754	0.3131	ppb	0.0802	25.6	185.397	0.31310
Fe 271.441	-1.2800	ppb	3.0804	240.7	8.9110	-1.28002
K 766.491	1.1348	ppb	0.4457	39.3	364.233	1.13480
Mg 279.078	-0.6735	ppb	1.4581	216.5	20.7836	-0.67349
Mn 257.610	0.2127	ppb	0.0351	16.5	110.098	0.21274
Mo 202.032	0.0931	ppb	0.2941	315.9	6.9152	0.09307

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-99.8366	ppb	40.6570	40.7	25.3512	-99.83658
Ni 231.604	0.4432	ppb	0.2057	46.4	-2.9841	0.44317
Pb 220.353	-1.2776	ppb	0.6143	48.1	11.4092	-1.27758
Sb 206.834	2.6139	ppb	1.2169	46.6	3.5172	2.61387
Se 196.026	4.0094	ppb	1.7413	43.4	7.3392	4.00945
Sn 189.925	1.9303	ppb	1.4439	74.8	-3.7776	1.93025
Sr 216.596	0.1575	ppb	0.1993	126.5	3.2808	0.15753
Ti 334.941	0.0965	ppb	0.0272	28.2	-20.5838	0.09647
Tl 190.794	1.2260	ppb	1.1404	93.0	-6.7697	1.22602
V 292.401	-0.1263	ppb	0.0379	30.0	-11.4620	-0.12632
Zn 206.200	0.5576	ppb	1.3491	241.9	1.3229	0.55760

lcs 680-369215/2-a (Samp) **2/3/2015, 10:56:49 PM** **Rack 2, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	47.5608	48.1437	47.7005
Al 308.215	4665.71	4660.11	4656.75
As 188.980	100.024	98.5044	96.5997
B 249.678	183.787	183.066	183.597
Ba 389.178	94.2649	93.8999	94.0683
Be 313.042	48.7089	48.6750	48.6372
Ca 370.602	4754	4749	4740
Cd 226.502	47.7656	47.5005	47.7815
Co 228.615	48.9882	48.2377	48.0758
Cr 267.716	99.1539	99.2660	99.1089
Cu 324.754	99.5870	99.2631	98.4707
Fe 271.441	4679.71	4674.33	4675.73
K 766.491	5003.41	4980.64	4976.90
Mg 279.078	4731.05	4719.89	4714.95
Mn 257.610	497.980	497.378	496.444
Mo 202.032	95.4213	95.3068	95.6514
Na 330.237	4433.61	4617.86	4606.86
Ni 231.604	95.8056	96.4050	96.7380
Pb 220.353	473.149	472.298	469.115
Sb 206.834	44.1545	45.6647	47.4506
Se 196.026	97.4247	94.7097	95.5099
Sn 189.925	197.155	195.611	192.037
Sr 216.596	93.5864	93.1648	92.6245
Ti 334.941	95.2317	95.2463	95.2805
Tl 190.794	43.7258	38.0947	35.4477
V 292.401	97.7237	97.1486	97.5929
Zn 206.200	95.4380	96.7230	96.9479

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.8017	ppb	0.3043	0.6	4446.58
Al 308.215	4660.86	ppb	4.5263	0.1	37012.8
As 188.980	98.3762	ppb	1.7160	1.7	65.1853
B 249.678	183.483	ppb	0.3734	0.2	3544.40
Ba 389.178	94.0777	ppb	0.1827	0.2	2343.86
Be 313.042	48.6737	ppb	0.0359	0.1	102731
Ca 370.602	4748	ppb	6.911	0.1	14144
Cd 226.502	47.6825	ppb	0.1578	0.3	2302.36
Co 228.615	48.4339	ppb	0.4868	1.0	581.094

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	99.1762	ppb	0.0809	0.1	6017.55
Cu 324.754	99.1069	ppb	0.5743	0.6	7700.34
Fe 271.441	4676.59	ppb	2.7936	0.1	8297.51
K 766.491	4986.98	ppb	14.3505	0.3	239818
Mg 279.078	4721.96	ppb	8.2444	0.2	14032.4
Mn 257.610	497.267	ppb	0.7742	0.2	125000
Mo 202.032	95.4599	ppb	0.1755	0.2	696.927
Na 330.237	4552.78	ppb	103.346	2.3	282.663
Ni 231.604	96.3162	ppb	0.4725	0.5	319.769
Pb 220.353	471.521	ppb	2.1265	0.5	791.978
Sb 206.834	45.7566	ppb	1.6500	3.6	67.1024
Se 196.026	95.8814	ppb	1.3951	1.5	52.8614
Sn 189.925	194.934	ppb	2.6251	1.3	147.006
Sr 216.596	93.1252	ppb	0.4822	0.5	1190.96
Ti 334.941	95.2528	ppb	0.0250	0.0	31983.3
Tl 190.794	39.0894	ppb	4.2278	10.8	37.5804
V 292.401	97.4884	ppb	0.3015	0.3	3015.87
Zn 206.200	96.3696	ppb	0.8146	0.8	110.683

680-109515-a-44-a (Samp) **2/3/2015, 11:01:24 PM** **Rack 2, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	-0.9981u	-0.6873u	-0.3301u
Al 308.215	118771	118807	118833
As 188.980	441.864	438.745	438.670
B 249.678	31.4042u	30.9054u	32.1565u
Ba 389.178	1316.41	1313.69	1311.74
Be 313.042	14.2497	14.2131	14.1696
Ca 370.602	73958	74147	74300
Cd 226.502	12.7108	12.9264	12.1551
Co 228.615	134.731	133.986	132.561
Cr 267.716	421.824	421.476	421.052
Cu 324.754	489.244	484.154	481.905
Fe 271.441	343459	342947	340931
K 766.491	9987.83	9975.93	9949.92
Mg 279.078	10033.7	10018.9	10011.1
Mn 257.610	13775.8	13775.6	13823.8
Mo 202.032	19.2360	19.8197	19.8786
Na 330.237	1006.13u	1046.82u	1047.57u
Ni 231.604	165.111	163.561	164.391
Pb 220.353	1209.11	1198.80	1205.57
Sb 206.834	13.7298	10.0222	12.1657
Se 196.026	6.3282	-4.9955	-0.8556
Sn 189.925	60.2990	55.0405	62.7843
Sr 216.596	217.311	217.399	216.047
Ti 334.941	818.348	816.252	813.723
Tl 190.794	3.3255u	2.5730u	4.8180u
V 292.401	440.048	439.011	437.472
Zn 206.200	3482.62	3480.42	3489.12

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6718	ppb	0.3343	49.8	-56.1658
Al 308.215	118803	ppb	31.4240	0.0	934652

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	439.760	ppb	1.8223	0.4	308.712
B 249.678	31.4887	ppb	0.6298	2.0	-277.070
Ba 389.178	1313.94	ppb	2.3461	0.2	33333.7
Be 313.042	14.2108	ppb	0.0401	0.3	29823.9
Ca 370.602	74135	ppb	171.3	0.2	217539
Cd 226.502	12.5975	ppb	0.3979	3.2	2357.12
Co 228.615	133.760	ppb	1.1025	0.8	1656.05
Cr 267.716	421.451	ppb	0.3866	0.1	25765.8
Cu 324.754	485.101	ppb	3.7599	0.8	37187.0
Fe 271.441	342446	ppb	1336.33	0.4	606275
K 766.491	9971.23	ppb	19.3849	0.2	479195
Mg 279.078	10021.2	ppb	11.5016	0.1	29421.5
Mn 257.610	13791.7	ppb	27.7811	0.2	3465030
Mo 202.032	19.6448	ppb	0.3553	1.8	130.850
Na 330.237	1033.51	ppb	23.7097	2.3	-91.2907
Ni 231.604	164.355	ppb	0.7758	0.5	579.747
Pb 220.353	1204.49	ppb	5.2383	0.4	2026.54
Sb 206.834	11.9726	ppb	1.8613	15.5	29.2391
Se 196.026	0.1590	ppb	5.7296	3603.5	12.1852
Sn 189.925	59.3746	ppb	3.9538	6.7	41.0995
Sr 216.596	216.919	ppb	0.7565	0.3	3258.44
Ti 334.941	816.108	ppb	2.3160	0.3	274416
Tl 190.794	3.5722	ppb	1.1427	32.0	-53.2180
V 292.401	438.843	ppb	1.2961	0.3	13562.9
Zn 206.200	3484.05	ppb	4.5243	0.1	3977.74

680-109515-a-44-aSD (Samp) **2/3/2015, 11:05:58 PM** **Rack 2, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	-0.4183u	-0.2931u	-0.4209u
Al 308.215	24278.2	23536.9	23067.4
As 188.980	88.5686	89.7347	87.0268
B 249.678	6.9867u	7.2594u	6.9655u
Ba 389.178	277.744	268.857	264.674
Be 313.042	3.0035	2.9124	2.8586
Ca 370.602	15450	14969	14671
Cd 226.502	2.6662	2.3345	2.1397
Co 228.615	28.6433	27.6084	26.5731
Cr 267.716	89.9380	87.7097	86.1409
Cu 324.754	98.4582	95.4429	94.4810
Fe 271.441	74046.9	71917.9	70765.5
K 766.491	1868.37	1821.28	1784.79
Mg 279.078	2179.33	2118.48	2080.47
Mn 257.610	3016.68	2941.60	2892.96
Mo 202.032	3.7722	3.7891	3.9254
Na 330.237	370.132u	171.453u	258.326u
Ni 231.604	35.4761	36.2266	34.2166
Pb 220.353	257.412	248.985	248.498
Sb 206.834	4.7157	5.0447	2.5373
Se 196.026	1.5162	-1.8567	0.9626
Sn 189.925	14.1321	11.7843	13.9675
Sr 216.596	46.1285	44.8486	44.5711
Ti 334.941	173.628	168.399	165.659

Label	Replicates Concentration		
Tl 190.794	2.0145u	0.5819u	0.4996u
V 292.401	92.9204	89.9823	88.6662
Zn 206.200	746.530	726.114	718.832

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3774	ppb	0.0730	19.4	-34.0293
Al 308.215	23627.5	ppb	610.438	2.6	186160
As 188.980	88.4434	ppb	1.3583	1.5	57.5793
B 249.678	7.0705	ppb	0.1639	2.3	-25.6124
Ba 389.178	270.425	ppb	6.6747	2.5	6831.71
Be 313.042	2.9249	ppb	0.0733	2.5	5892.04
Ca 370.602	15030	ppb	392.9	2.6	44092
Cd 226.502	2.3801	ppb	0.2662	11.2	501.683
Co 228.615	27.6083	ppb	1.0351	3.7	338.597
Cr 267.716	87.9296	ppb	1.9080	2.2	5387.70
Cu 324.754	96.1274	ppb	2.0751	2.2	7500.46
Fe 271.441	72243.4	ppb	1664.73	2.3	127910
K 766.491	1824.81	ppb	41.9026	2.3	87949.5
Mg 279.078	2126.09	ppb	49.8685	2.3	6260.05
Mn 257.610	2950.41	ppb	62.3253	2.1	741302
Mo 202.032	3.8289	ppb	0.0840	2.2	30.2444
Na 330.237	266.637	ppb	99.5997	37.4	7.9895
Ni 231.604	35.3065	ppb	1.0157	2.9	120.914
Pb 220.353	251.632	ppb	5.0122	2.0	434.146
Sb 206.834	4.0992	ppb	1.3626	33.2	8.2164
Se 196.026	0.2074	ppb	1.8089	872.2	6.8964
Sn 189.925	13.2947	ppb	1.3106	9.9	5.1006
Sr 216.596	45.1827	ppb	0.8307	1.8	681.177
Ti 334.941	169.229	ppb	4.0490	2.4	56861.3
Tl 190.794	1.0320	ppb	0.8519	82.5	-17.3788
V 292.401	90.5230	ppb	2.1780	2.4	2791.08
Zn 206.200	730.492	ppb	14.3588	2.0	834.524

680-109515-a-44-aPDS (Samp) **2/3/2015, 11:10:33 PM** **Rack 2, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	84.0949	82.8009	84.1139
Al 308.215	118668	119136	118739
As 188.980	535.519	543.808	541.294
B 249.678	207.253	209.843	208.748
Ba 389.178	1377.15	1385.05	1380.73
Be 313.042	106.372	107.121	106.765
Ca 370.602	82585	82928	82491
Cd 226.502	99.8344	101.278	100.254
Co 228.615	218.332	222.174	218.141
Cr 267.716	504.962	508.539	506.472
Cu 324.754	578.831	586.651	579.704
Fe 271.441	345191	348091	346560
K 766.491	20066.2	20156.7	20088.8
Mg 279.078	18830.2	18925.3	18855.4
Mn 257.610	14441.7	14540.3	14514.0
Mo 202.032	110.525	111.538	109.221
Na 330.237	9439.13	9480.90	9516.11

Label	Replicates Concentration		
Ni 231.604	247.126	252.818	252.585
Pb 220.353	1268.28	1283.09	1279.00
Sb 206.834	100.541	104.230	108.492
Se 196.026	84.1290	83.7251	94.3473
Sn 189.925	154.163	149.041	152.482
Sr 216.596	298.331	301.967	301.376
Ti 334.941	895.433	902.347	898.993
Tl 190.794	23.8309u	15.3804u	20.1971u
V 292.401	527.394	531.487	529.237
Zn 206.200	3518.34	3541.39	3526.35

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	83.6699	ppb	0.7526	0.9	7792.93
Al 308.215	118848	ppb	252.160	0.2	935015
As 188.980	540.207	ppb	4.2497	0.8	381.005
B 249.678	208.615	ppb	1.3003	0.6	3115.25
Ba 389.178	1380.98	ppb	3.9560	0.3	35045.2
Be 313.042	106.753	ppb	0.3747	0.4	225743
Ca 370.602	82668	ppb	229.9	0.3	242926
Cd 226.502	100.455	ppb	0.7429	0.7	6538.06
Co 228.615	219.549	ppb	2.2755	1.0	2692.86
Cr 267.716	506.658	ppb	1.7958	0.4	30924.8
Cu 324.754	581.729	ppb	4.2854	0.7	44537.1
Fe 271.441	346614	ppb	1450.46	0.4	613667
K 766.491	20103.9	ppb	47.1015	0.2	965835
Mg 279.078	18870.3	ppb	49.2896	0.3	55684.5
Mn 257.610	14498.7	ppb	51.1086	0.4	3642669
Mo 202.032	110.428	ppb	1.1612	1.1	787.701
Na 330.237	9478.71	ppb	38.5359	0.4	380.236
Ni 231.604	250.843	ppb	3.2211	1.3	870.812
Pb 220.353	1276.79	ppb	7.6485	0.6	2146.18
Sb 206.834	104.421	ppb	3.9789	3.8	165.676
Se 196.026	87.4005	ppb	6.0195	6.9	55.4705
Sn 189.925	151.895	ppb	2.6112	1.7	113.383
Sr 216.596	300.558	ppb	1.9512	0.6	4328.85
Ti 334.941	898.924	ppb	3.4573	0.4	302279
Tl 190.794	19.8028	ppb	4.2390	21.4	-34.2516
V 292.401	529.373	ppb	2.0499	0.4	16370.3
Zn 206.200	3528.69	ppb	11.7064	0.3	4028.52

680-109515-a-44-b ms (Samp) **2/3/2015, 11:15:08 PM** **Rack 2, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	45.2340	45.6542	46.3477
Al 308.215	103113	103094	103079
As 188.980	721.040	723.819	727.499
B 249.678	155.638	155.185	153.420
Ba 389.178	1288.13	1290.29	1293.43
Be 313.042	57.4650	57.5813	57.6628
Ca 370.602	42130	42252	42411
Cd 226.502	58.0303	57.8823	57.7184
Co 228.615	161.585	162.090	161.712
Cr 267.716	505.918	506.991	507.905

Label	Replicates Concentration		
Cu 324.754	750.889	748.728	756.242
Fe 271.441	298061	298450	299071
K 766.491	11707.6	11808.8	11364.1
Mg 279.078	12057.2	12073.3	12093.4
Mn 257.610	11406.2	11399.4	11423.6
Mo 202.032	101.398	102.078	102.243
Na 330.237	5272.85	5196.89	5136.64
Ni 231.604	293.106	289.872	293.586
Pb 220.353	2025.51	2025.45	2031.53
Sb 206.834	31.7177	29.9268	31.9923
Se 196.026	86.0087	80.1705	89.0200
Sn 189.925	252.768	258.023	248.192
Sr 216.596	235.061	234.917	235.216
Ti 334.941	929.574	930.861	930.925
Tl 190.794	39.0552	29.9405u	35.0328u
V 292.401	466.866	466.775	467.869
Zn 206.200	3233.12	3242.30	3239.32

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	45.7453	ppb	0.5624	1.2	4257.62
Al 308.215	103095	ppb	16.9875	0.0	811135
As 188.980	724.119	ppb	3.2400	0.4	513.821
B 249.678	154.748	ppb	1.1719	0.8	2207.85
Ba 389.178	1290.62	ppb	2.6688	0.2	32714.3
Be 313.042	57.5697	ppb	0.0994	0.2	121597
Ca 370.602	42264	ppb	140.7	0.3	123220
Cd 226.502	57.8770	ppb	0.1560	0.3	4277.44
Co 228.615	161.796	ppb	0.2629	0.2	1992.07
Cr 267.716	506.938	ppb	0.9947	0.2	30900.1
Cu 324.754	751.953	ppb	3.8684	0.5	57456.5
Fe 271.441	298527	ppb	509.152	0.2	528529
K 766.491	11626.8	ppb	233.099	2.0	558708
Mg 279.078	12074.6	ppb	18.1726	0.2	35579.9
Mn 257.610	11409.8	ppb	12.4843	0.1	2866681
Mo 202.032	101.906	ppb	0.4478	0.4	728.495
Na 330.237	5202.13	ppb	68.2560	1.3	160.856
Ni 231.604	292.188	ppb	2.0203	0.7	1005.54
Pb 220.353	2027.50	ppb	3.4951	0.2	3381.40
Sb 206.834	31.2123	ppb	1.1217	3.6	56.6022
Se 196.026	85.0664	ppb	4.4994	5.3	53.0844
Sn 189.925	252.995	ppb	4.9192	1.9	192.364
Sr 216.596	235.065	ppb	0.1492	0.1	3411.85
Ti 334.941	930.453	ppb	0.7625	0.1	312859
Tl 190.794	34.6762	ppb	4.5678	13.2	-10.4068
V 292.401	467.170	ppb	0.6070	0.1	14446.0
Zn 206.200	3238.25	ppb	4.6814	0.1	3697.63

680-109515-a-44-c ms (Samp) **2/3/2015, 11:19:43 PM** **Rack 2, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	46.5808	46.1054	45.7940
Al 308.215	115036	115221	114972
As 188.980	604.324	610.149	606.285

Label	Replicates Concentration		
B 249.678	154.116	153.361	152.689
Ba 389.178	1377.52	1375.44	1373.89
Be 313.042	62.4032	62.2781	62.2946
Ca 370.602	42410	42353	42612
Cd 226.502	55.9750	56.0019	55.7778
Co 228.615	168.572	166.661	168.527
Cr 267.716	505.904	505.405	505.776
Cu 324.754	733.125	736.924	734.600
Fe 271.441	368632	367712	367748
K 766.491	11555.4	11594.1	11526.5
Mg 279.078	12405.8	12398.7	12410.6
Mn 257.610	15019.8	14924.2	14981.2
Mo 202.032	104.337	103.574	104.225
Na 330.237	5310.50	5275.36	5246.76
Ni 231.604	256.971	259.726	261.346
Pb 220.353	1672.42	1677.83	1690.66
Sb 206.834	28.8539	30.9682	29.4624
Se 196.026	82.6018	87.6912	90.3210
Sn 189.925	238.036	240.694	240.939
Sr 216.596	238.658	239.860	239.294
Ti 334.941	894.639	894.352	890.378
Tl 190.794	38.5649u	42.6980u	35.9335u
V 292.401	564.677	564.246	564.072
Zn 206.200	2979.38	2958.86	2982.80

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.1601	ppb	0.3962	0.9	4303.49
Al 308.215	115076	ppb	129.416	0.1	905368
As 188.980	606.919	ppb	2.9639	0.5	428.906
B 249.678	153.389	ppb	0.7138	0.5	1995.54
Ba 389.178	1375.62	ppb	1.8180	0.1	34913.9
Be 313.042	62.3253	ppb	0.0680	0.1	131669
Ca 370.602	42459	ppb	136.2	0.3	123121
Cd 226.502	55.9182	ppb	0.1224	0.2	4539.54
Co 228.615	167.920	ppb	1.0904	0.6	2070.24
Cr 267.716	505.695	ppb	0.2590	0.1	30880.7
Cu 324.754	734.883	ppb	1.9156	0.3	56188.8
Fe 271.441	368031	ppb	521.369	0.1	651575
K 766.491	11558.7	ppb	33.8990	0.3	555434
Mg 279.078	12405.0	ppb	6.0040	0.0	36475.2
Mn 257.610	14975.1	ppb	48.0686	0.3	3762326
Mo 202.032	104.046	ppb	0.4121	0.4	740.383
Na 330.237	5277.54	ppb	31.9261	0.6	152.260
Ni 231.604	259.348	ppb	2.2119	0.9	901.552
Pb 220.353	1680.30	ppb	9.3674	0.6	2813.85
Sb 206.834	29.7615	ppb	1.0884	3.7	55.7504
Se 196.026	86.8713	ppb	3.9244	4.5	55.5389
Sn 189.925	239.890	ppb	1.6101	0.7	182.126
Sr 216.596	239.271	ppb	0.6014	0.3	3562.12
Ti 334.941	893.123	ppb	2.3811	0.3	300318
Tl 190.794	39.0655	ppb	3.4099	8.7	-14.8578
V 292.401	564.332	ppb	0.3118	0.1	17456.7
Zn 206.200	2973.68	ppb	12.9504	0.4	3391.99

680-109515-a-41-a (Samp) **2/3/2015, 11:24:17 PM** **Rack 2, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	-1.9531u	-0.9978u	-1.7148u
Al 308.215	86982.2	87118.4	87246.0
As 188.980	299.219	308.143	305.813
B 249.678	20.0433u	19.0616u	19.0990u
Ba 389.178	870.152	873.391	873.168
Be 313.042	11.9600	11.9846	12.0027
Ca 370.602	24814	24860	24821
Cd 226.502	4.7455	4.7315	4.8644
Co 228.615	123.189	123.032	122.919
Cr 267.716	470.264	473.530	471.348
Cu 324.754	253.900	254.829	255.989
Fe 271.441	361673	362392	363950
K 766.491	5329.55	5343.34	5363.60
Mg 279.078	6357.34	6366.11	6352.87
Mn 257.610	15994.4	16020.6	16058.0
Mo 202.032	15.6206	15.5956	15.1513
Na 330.237	164.845u	354.462u	326.186u
Ni 231.604	108.832	106.777	106.799
Pb 220.353	749.841	741.083	746.402
Sb 206.834	8.8495	10.5929	13.3236
Se 196.026	2.3203	-4.8073	-2.2109
Sn 189.925	37.4434	41.1784	38.8786
Sr 216.596	98.7678	99.5667	99.2253
Ti 334.941	892.126	894.643	896.174
Tl 190.794	4.3287u	1.0815u	7.1704u
V 292.401	482.682	483.818	484.953
Zn 206.200	1619.95	1614.28	1610.78

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5552	ppb	0.4973	32.0	-124.891
Al 308.215	87115.5	ppb	131.933	0.2	685487
As 188.980	304.392	ppb	4.6285	1.5	211.061
B 249.678	19.4013	ppb	0.5563	2.9	-564.251
Ba 389.178	872.237	ppb	1.8092	0.2	22232.5
Be 313.042	11.9824	ppb	0.0215	0.2	25085.6
Ca 370.602	24832	ppb	24.86	0.1	70785
Cd 226.502	4.7805	ppb	0.0731	1.5	2091.59
Co 228.615	123.047	ppb	0.1358	0.1	1530.01
Cr 267.716	471.714	ppb	1.6632	0.4	28829.1
Cu 324.754	254.906	ppb	1.0469	0.4	19695.9
Fe 271.441	362672	ppb	1164.01	0.3	642081
K 766.491	5345.50	ppb	17.1273	0.3	257036
Mg 279.078	6358.78	ppb	6.7366	0.1	18507.2
Mn 257.610	16024.3	ppb	31.9679	0.2	4025767
Mo 202.032	15.4558	ppb	0.2640	1.7	99.4462
Na 330.237	281.831	ppb	102.294	36.3	-93.0764
Ni 231.604	107.469	ppb	1.1801	1.1	390.348
Pb 220.353	745.776	ppb	4.4126	0.6	1271.83
Sb 206.834	10.9220	ppb	2.2551	20.6	28.8262
Se 196.026	-1.5660	ppb	3.6073	230.4	12.0907
Sn 189.925	39.1668	ppb	1.8841	4.8	25.3123
Sr 216.596	99.1866	ppb	0.4009	0.4	1770.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	894.314	ppb	2.0438	0.2	300704
Tl 190.794	4.1935	ppb	3.0467	72.7	-54.6590
V 292.401	483.817	ppb	1.1355	0.2	14961.2
Zn 206.200	1615.00	ppb	4.6302	0.3	1836.01

680-109515-a-42-a (Samp) **2/3/2015, 11:28:52 PM** **Rack 2, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	-2.3366u	-2.0510u	-2.5122u
Al 308.215	112389	112312	112497
As 188.980	107.883	102.255	104.238
B 249.678	9.3227u	8.4556u	9.3556u
Ba 389.178	491.239	491.430	492.109
Be 313.042	7.9268	7.9131	7.9133
Ca 370.602	12150	12136	12154
Cd 226.502	-2.6577	-2.4828	-2.9650
Co 228.615	118.181	118.315	117.804
Cr 267.716	349.133	349.068	348.959
Cu 324.754	61.3527	61.1169	60.7352
Fe 271.441	248033	247618	247574
K 766.491	3923.73	3919.62	3933.44
Mg 279.078	5400.64	5398.86	5393.66
Mn 257.610	10791.4	10796.3	10805.9
Mo 202.032	10.7663	9.0676	9.6343
Na 330.237	-35.8923u	-66.0333u	-179.533u
Ni 231.604	58.9354	57.8815	58.7732
Pb 220.353	221.840	223.752	226.328
Sb 206.834	0.3961	4.2295	5.8812
Se 196.026	-6.8428	6.1716	-6.1601
Sn 189.925	13.7660	13.3723	15.7759
Sr 216.596	51.6100	50.9931	51.0784
Ti 334.941	616.157	616.624	616.659
Tl 190.794	-1.8321u	1.1880u	4.8178u
V 292.401	367.755	367.001	366.754
Zn 206.200	196.422	195.875	196.794

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2999	ppb	0.2328	10.1	-200.388
Al 308.215	112399	ppb	93.0344	0.1	884270
As 188.980	104.792	ppb	2.8544	2.7	68.1088
B 249.678	9.0447	ppb	0.5104	5.6	-455.725
Ba 389.178	491.592	ppb	0.4571	0.1	12555.3
Be 313.042	7.9177	ppb	0.0078	0.1	16477.9
Ca 370.602	12147	ppb	9.591	0.1	34037
Cd 226.502	-2.7018	ppb	0.2441	9.0	1151.97
Co 228.615	118.100	ppb	0.2653	0.2	1455.61
Cr 267.716	349.053	ppb	0.0881	0.0	21319.8
Cu 324.754	61.0683	ppb	0.3116	0.5	4910.10
Fe 271.441	247741	ppb	253.213	0.1	438614
K 766.491	3925.59	ppb	7.0974	0.2	188843
Mg 279.078	5397.72	ppb	3.6248	0.1	15761.3
Mn 257.610	10797.9	ppb	7.3887	0.1	2712771
Mo 202.032	9.8227	ppb	0.8649	8.8	64.5577

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-93.8195	ppb	75.7443	80.7	-47.4191
Ni 231.604	58.5301	ppb	0.5675	1.0	215.086
Pb 220.353	223.973	ppb	2.2517	1.0	401.121
Sb 206.834	3.5023	ppb	2.8139	80.3	14.0904
Se 196.026	-2.2771	ppb	7.3247	321.7	9.3237
Sn 189.925	14.3048	ppb	1.2892	9.0	5.8893
Sr 216.596	51.2272	ppb	0.3343	0.7	997.809
Ti 334.941	616.480	ppb	0.2799	0.0	207274
Tl 190.794	1.3912	ppb	3.3296	239.3	-41.5593
V 292.401	367.170	ppb	0.5215	0.1	11364.3
Zn 206.200	196.364	ppb	0.4626	0.2	215.627

680-109515-a-43-a (Samp) **2/3/2015, 11:33:27 PM** **Rack 2, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	-1.7847u	-1.9243u	-2.0201u
Al 308.215	106325	106295	106375
As 188.980	67.4277	64.5104	69.4233
B 249.678	10.7523u	9.9634u	10.9336u
Ba 389.178	439.544	438.091	439.149
Be 313.042	4.6314	4.6292	4.6355
Ca 370.602	12407	12477	12514
Cd 226.502	-1.6444	-1.9713	-1.9386
Co 228.615	93.8000	93.5548	94.3112
Cr 267.716	190.717	190.828	190.862
Cu 324.754	60.8590	61.2320	60.4089
Fe 271.441	167696	168303	168369
K 766.491	4437.93	4442.74	4431.64
Mg 279.078	5685.65	5681.86	5686.09
Mn 257.610	4909.74	4923.12	4935.54
Mo 202.032	7.2224	7.3262	7.2980
Na 330.237	90.9618u	-21.3451u	-33.0199u
Ni 231.604	47.2903	48.4331	49.1705
Pb 220.353	157.557	156.878	151.780
Sb 206.834	2.5532	5.5149	3.0538
Se 196.026	-2.5663	-2.0579	3.8532
Sn 189.925	14.9095	16.8089	13.7189
Sr 216.596	50.6969	50.2327	50.9869
Ti 334.941	596.933	594.973	595.997
Tl 190.794	6.7174u	-1.7367u	0.9095u
V 292.401	264.129	264.315	264.180
Zn 206.200	151.275	153.970	151.571

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9097	ppb	0.1184	6.2	-182.838
Al 308.215	106332	ppb	40.4229	0.0	836533
As 188.980	67.1205	ppb	2.4708	3.7	41.5385
B 249.678	10.5498	ppb	0.5158	4.9	-214.837
Ba 389.178	438.928	ppb	0.7511	0.2	11162.2
Be 313.042	4.6321	ppb	0.0032	0.1	9519.86
Ca 370.602	12466	ppb	54.21	0.4	35679
Cd 226.502	-1.8514	ppb	0.1801	9.7	788.476
Co 228.615	93.8887	ppb	0.3859	0.4	1156.46

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	190.802	ppb	0.0757	0.0	11673.0
Cu 324.754	60.8333	ppb	0.4122	0.7	4858.01
Fe 271.441	168123	ppb	370.533	0.2	297658
K 766.491	4437.44	ppb	5.5654	0.1	213425
Mg 279.078	5684.53	ppb	2.3236	0.0	16748.7
Mn 257.610	4922.80	ppb	12.9038	0.3	1237017
Mo 202.032	7.2822	ppb	0.0537	0.7	50.2511
Na 330.237	12.1990	ppb	68.4600	561.2	-18.4940
Ni 231.604	48.2980	ppb	0.9473	2.0	173.366
Pb 220.353	155.405	ppb	3.1579	2.0	281.100
Sb 206.834	3.7073	ppb	1.5853	42.8	10.7979
Se 196.026	-0.2570	ppb	3.5686	1388.8	8.0904
Sn 189.925	15.1458	ppb	1.5584	10.3	6.5466
Sr 216.596	50.6388	ppb	0.3804	0.8	881.338
Ti 334.941	595.968	ppb	0.9804	0.2	200366
Tl 190.794	1.9634	ppb	4.3245	220.3	-30.9352
V 292.401	264.208	ppb	0.0963	0.0	8183.89
Zn 206.200	152.272	ppb	1.4778	1.0	168.422

680-109515-a-45-a (Samp) **2/3/2015, 11:38:03 PM** **Rack 2, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	-5.8740u	-5.7704u	-5.4451u
Al 308.215	99492.7	99445.0	99206.9
As 188.980	173.447	170.675	163.198
B 249.678	4.5480u	4.6980u	4.5379u
Ba 389.178	4927.03	4930.95	4917.84
Be 313.042	19.5625	19.6012	19.5837
Ca 370.602	18979	18918	18864
Cd 226.502	-1.6383	-1.4788	-1.0565
Co 228.615	186.959	188.873	188.503
Cr 267.716	279.682	279.480	279.079
Cu 324.754	106.114	104.801	106.909
Fe 271.441	260156	260502	259962
K 766.491	5234.56	5246.83	5226.86
Mg 279.078	3833.49	3825.72	3826.88
Mn 257.610	57260.0x	57682.8x	57251.7x
Mo 202.032	17.5236	17.2681	16.8885
Na 330.237	-54.9448u	-43.2532u	54.2769u
Ni 231.604	84.5357	81.3432	81.6484
Pb 220.353	685.792	686.712	690.131
Sb 206.834	8.4165	8.1893	8.0275
Se 196.026	7.7206	10.2834	-3.1500
Sn 189.925	25.5000	21.8535	23.0887
Sr 216.596	108.161	108.438	108.217
Ti 334.941	723.665	723.715	723.670
Tl 190.794	23.0783	19.2534	21.9510
V 292.401	397.764	397.985	397.284
Zn 206.200	533.258	535.546	535.992

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.6965b	ppb	0.2238	3.9	-254.669
Al 308.215	99381.5b	ppb	153.070	0.2	781913

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	169.107b	ppb	5.3016	3.1	114.343
B 249.678	4.5946b	ppb	0.0897	2.0	-574.788
Ba 389.178	4925.27b	ppb	6.7294	0.1	124086
Be 313.042	19.5825b	ppb	0.0194	0.1	41158.8
Ca 370.602	18920b	ppb	57.28	0.3	55337
Cd 226.502	-1.3912b	ppb	0.3006	21.6	1277.83
Co 228.615	188.112b	ppb	1.0152	0.5	2304.93
Cr 267.716	279.414b	ppb	0.3066	0.1	17368.9
Cu 324.754	105.941b	ppb	1.0648	1.0	8326.87
Fe 271.441	260207b	ppb	273.574	0.1	460691
K 766.491	5236.08b	ppb	10.0693	0.2	251781
Mg 279.078	3828.70b	ppb	4.1878	0.1	10048.1
Mn 257.610	57398.2xb	ppb	246.544	0.4	14416137
Mo 202.032	17.2268b	ppb	0.3196	1.9	117.491
Na 330.237	-14.6404b	ppb	59.9697	409.6	-54.7588
Ni 231.604	82.5091b	ppb	1.7617	2.1	296.707
Pb 220.353	687.545b	ppb	2.2862	0.3	1177.21
Sb 206.834	8.2111b	ppb	0.1954	2.4	20.2854
Se 196.026	4.9514b	ppb	7.1320	144.0	24.5954
Sn 189.925	23.4807b	ppb	1.8546	7.9	13.0579
Sr 216.596	108.272b	ppb	0.1465	0.1	1743.07
Ti 334.941	723.683b	ppb	0.0273	0.0	243315
Tl 190.794	21.4276b	ppb	1.9655	9.2	6.2377
V 292.401	397.678b	ppb	0.3584	0.1	12316.5
Zn 206.200	534.932b	ppb	1.4669	0.3	603.103

Cont Calib Verif (CCV) **2/3/2015, 11:42:38 PM** **Rack 3, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	475.761	472.797	477.277
Al 308.215	4744.70	4743.26	4744.63
As 188.980	471.342	477.421	477.720
B 249.678	476.029	477.078	477.434
Ba 389.178	4765.24	4779.09	4775.62
Be 313.042	483.749	485.307	486.825
Ca 370.602	4792	4801	4803
Cd 226.502	476.633	476.112	475.782
Co 228.615	485.314	484.635	485.366
Cr 267.716	4890.02	4901.04	4902.80
Cu 324.754	4993.20	4968.23	4974.66
Fe 271.441	4697.12	4709.89	4718.80
K 766.491	10258.8	10207.9	10240.9
Mg 279.078	4852.58	4843.97	4837.45
Mn 257.610	4883.24	4880.12	4892.04
Mo 202.032	477.431	478.668	478.783
Na 330.237	7265.00	7194.23	7304.82
Ni 231.604	2394.39	2392.44	2382.01
Pb 220.353	470.459	476.987	474.515
Sb 206.834	933.487	934.561	936.739
Se 196.026	4792.99	4783.20	4758.46
Sn 189.925	4789.88	4825.76	4817.09
Sr 216.596	2363.37	2367.57	2365.31
Ti 334.941	470.918	471.177	471.788

Label	Replicates Concentration		
Tl 190.794	4826.91	4842.81	4844.03
V 292.401	4838.06	4838.99	4852.49
Zn 206.200	2366.15	2372.39	2363.44

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	475.279	ppb	2.2783	0.5	44181.0	95.05570
Al 308.215	4744.20	ppb	0.8125	0.0	38412.1	94.88394
As 188.980	475.494	ppb	3.5992	0.8	336.704	95.09885
B 249.678	476.847	ppb	0.7303	0.2	9194.96	95.36945
Ba 389.178	4773.32	ppb	7.2074	0.2	120059	95.46633
Be 313.042	485.294	ppb	1.5377	0.3	1027365	97.05876
Ca 370.602	4798	ppb	5.641	0.1	14627	95.96909
Cd 226.502	476.176	ppb	0.4291	0.1	22583.6	95.23512
Co 228.615	485.105	ppb	0.4078	0.1	5865.74	97.02100
Cr 267.716	4897.95	ppb	6.9268	0.1	296277	97.95898
Cu 324.754	4978.70	ppb	12.9658	0.3	378592	99.57393
Fe 271.441	4708.60	ppb	10.8975	0.2	8455.71	94.17206
K 766.491	10235.9	ppb	25.8686	0.3	491905	102.35877
Mg 279.078	4844.67	ppb	7.5910	0.2	14297.2	96.89336
Mn 257.610	4885.13	ppb	6.1840	0.1	1226983	97.70263
Mo 202.032	478.294	ppb	0.7494	0.2	3462.77	95.65884
Na 330.237	7254.68	ppb	56.0091	0.8	378.524	96.72909
Ni 231.604	2389.61	ppb	6.6590	0.3	8031.58	95.58450
Pb 220.353	473.987	ppb	3.2957	0.7	800.172	94.79744
Sb 206.834	934.929	ppb	1.6567	0.2	1441.13	93.49290
Se 196.026	4778.22	ppb	17.7945	0.4	2365.44	95.56438
Sn 189.925	4810.91	ppb	18.7212	0.4	3753.18	96.21817
Sr 216.596	2365.41	ppb	2.1030	0.1	30041.5	94.61655
Ti 334.941	471.294	ppb	0.4472	0.1	158417	94.25884
Tl 190.794	4837.92	ppb	9.5499	0.2	5739.58	96.75837
V 292.401	4843.18	ppb	8.0784	0.2	151245	96.86362
Zn 206.200	2367.33	ppb	4.5915	0.2	2701.63	94.69311

Cont Calib Blank (CCB) **2/3/2015, 11:47:14 PM** **Rack 3, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	467.478	470.440	466.201
Al 308.215	4664.93	4657.19	4652.33
As 188.980	475.425	474.482	468.766
B 249.678	471.671	471.293	470.836
Ba 389.178	4695.03	4692.03	4682.57
Be 313.042	477.149	476.293	478.661
Ca 370.602	4715	4718	4729
Cd 226.502	469.552	469.535	468.435
Co 228.615	479.044	476.885	478.760
Cr 267.716	4829.33	4818.13	4824.06
Cu 324.754	4910.48	4897.10	4896.79
Fe 271.441	4640.60	4614.79	4626.98
K 766.491	10065.2	10044.7	10015.9
Mg 279.078	4771.54	4769.09	4772.11
Mn 257.610	4820.15	4800.42	4813.88
Mo 202.032	471.235	474.499	472.452
Na 330.237	7059.87	7229.27	6764.06

Label	Replicates Concentration		
Ni 231.604	2354.24	2357.51	2378.99
Pb 220.353	468.568	466.506	469.896
Sb 206.834	923.354	931.418	930.042
Se 196.026	4733.97	4726.17	4668.92
Sn 189.925	4753.04	4751.28	4705.94
Sr 216.596	2338.40	2315.93	2330.74
Ti 334.941	464.618	463.471	462.615
Tl 190.794	4767.94	4755.52	4763.08
V 292.401	4775.97	4758.10	4765.35
Zn 206.200	2330.07	2331.94	2337.40

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	468.039	ppb	2.1744	0.5	43508.2	468.03949Z
Al 308.215	4658.15	ppb	6.3533	0.1	37723.3	4658.14941Z
As 188.980	472.891	ppb	3.6036	0.8	334.831	472.89090Z
B 249.678	471.267	ppb	0.4183	0.1	9087.86	471.26672Z
Ba 389.178	4689.88	ppb	6.5024	0.1	117959	4689.87646Z
Be 313.042	477.368	ppb	1.1993	0.3	1010580	477.36768Z
Ca 370.602	4721	ppb	7.419	0.2	14391	4720.93896Z
Cd 226.502	469.174	ppb	0.6403	0.1	22251.8	469.17398Z
Co 228.615	478.230	ppb	1.1732	0.2	5782.48	478.22974Z
Cr 267.716	4823.84	ppb	5.6022	0.1	291795	4823.84180Z
Cu 324.754	4901.46	ppb	7.8158	0.2	372721	4901.45703Z
Fe 271.441	4627.46	ppb	12.9146	0.3	8310.44	4627.45654Z
K 766.491	10041.9	ppb	24.7644	0.2	482590	0041.92480Z
Mg 279.078	4770.92	ppb	1.6047	0.0	14079.9	4770.91602Z
Mn 257.610	4811.48	ppb	10.0808	0.2	1208486	4811.48438Z
Mo 202.032	472.729	ppb	1.6494	0.3	3422.57	472.72855Z
Na 330.237	7017.74	ppb	235.451	3.4	366.045	7017.73633Z
Ni 231.604	2363.58	ppb	13.4457	0.6	7944.02	2363.57593Z
Pb 220.353	468.323	ppb	1.7080	0.4	790.757	468.32349Z
Sb 206.834	928.271	ppb	4.3137	0.5	1430.38	928.27142Z
Se 196.026	4709.68	ppb	35.5201	0.8	2331.59	4709.68262Z
Sn 189.925	4736.75	ppb	26.7002	0.6	3695.25	4736.74951Z
Sr 216.596	2328.36	ppb	11.4251	0.5	29570.5	2328.35547Z
Ti 334.941	463.568	ppb	1.0050	0.2	155820	463.56805Z
Tl 190.794	4762.18	ppb	6.2622	0.1	5649.59	4762.17822Z
V 292.401	4766.47	ppb	8.9866	0.2	148849	4766.47168Z
Zn 206.200	2333.14	ppb	3.8107	0.2	2662.62	2333.13745Z

680-109515-a-46-a (Samp) **2/3/2015, 11:51:49 PM** **Rack 3, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-4.3710u	-4.5142u	-4.9246u
Al 308.215	96415.9	95887.0	96125.4
As 188.980	64.5286	55.6931	61.7897
B 249.678	8.5683u	9.2971u	9.4825u
Ba 389.178	1272.61	1267.27	1267.73
Be 313.042	13.2769	13.2169	13.2158
Ca 370.602	13240	13162	13222
Cd 226.502	-2.0259	-1.7722	-2.1277
Co 228.615	87.3822	86.5400	88.5008
Cr 267.716	142.012	141.434	141.237

Label	Replicates Concentration		
Cu 324.754	69.5805	69.2537	68.8322
Fe 271.441	150160	149541	149743
K 766.491	4043.14	4008.97	4016.75
Mg 279.078	3936.73	3937.99	3942.63
Mn 257.610	24571.2	24481.5	24527.2
Mo 202.032	10.1902	9.6057	9.4523
Na 330.237	-98.6918u	-169.534u	-62.1585u
Ni 231.604	54.8761	53.8783	54.3988
Pb 220.353	164.442	158.874	164.526
Sb 206.834	3.1583	6.7924	8.4932
Se 196.026	4.0948	-2.4784	4.2543
Sn 189.925	12.8848	10.7320	9.5314
Sr 216.596	70.0999	70.1588	70.2235
Ti 334.941	504.921	501.233	502.233
Tl 190.794	4.3165u	6.3328u	7.5731u
V 292.401	241.952	240.916	241.389
Zn 206.200	165.871	161.190	162.112

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.6033	ppb	0.2873	6.2	-318.957
Al 308.215	96142.8	ppb	264.845	0.3	756408
As 188.980	60.6705	ppb	4.5228	7.5	37.0213
B 249.678	9.1159	ppb	0.4833	5.3	-193.731
Ba 389.178	1269.20	ppb	2.9575	0.2	32026.5
Be 313.042	13.2365	ppb	0.0350	0.3	27728.8
Ca 370.602	13208	ppb	41.02	0.3	38562
Cd 226.502	-1.9753	ppb	0.1830	9.3	690.001
Co 228.615	87.4744	ppb	0.9837	1.1	1075.34
Cr 267.716	141.561	ppb	0.4029	0.3	8791.74
Cu 324.754	69.2221	ppb	0.3752	0.5	5487.99
Fe 271.441	149815	ppb	315.502	0.2	265246
K 766.491	4022.95	ppb	17.9085	0.4	193519
Mg 279.078	3939.12	ppb	3.1091	0.1	11124.6
Mn 257.610	24526.7	ppb	44.8404	0.2	6160310
Mo 202.032	9.7494	ppb	0.3893	4.0	69.0484
Na 330.237	-110.128	ppb	54.5939	49.6	-20.5726
Ni 231.604	54.3844	ppb	0.4990	0.9	192.157
Pb 220.353	162.614	ppb	3.2391	2.0	296.106
Sb 206.834	6.1480	ppb	2.7252	44.3	13.3824
Se 196.026	1.9569	ppb	3.8419	196.3	13.8724
Sn 189.925	11.0494	ppb	1.6991	15.4	3.3463
Sr 216.596	70.1607	ppb	0.0618	0.1	1104.84
Ti 334.941	502.796	ppb	1.9073	0.4	169033
Tl 190.794	6.0742	ppb	1.6436	27.1	-12.1420
V 292.401	241.419	ppb	0.5188	0.2	7479.46
Zn 206.200	163.058	ppb	2.4800	1.5	181.558

680-109515-a-47-a (Samp) **2/3/2015, 11:56:25 PM** **Rack 3, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-2.2739u	-2.5374u	-2.7231u
Al 308.215	131264	131358	131131
As 188.980	94.7874	93.5256	97.8504

Label	Replicates Concentration		
B 249.678	8.4848u	8.2265u	7.9729u
Ba 389.178	459.443	459.484	460.458
Be 313.042	10.0057	9.9929	10.0055
Ca 370.602	14893	14859	14852
Cd 226.502	-3.3215	-3.6043	-3.1558
Co 228.615	44.6427	43.8665	44.6730
Cr 267.716	314.784	314.358	314.357
Cu 324.754	88.9285	88.8041	89.0224
Fe 271.441	258736	258061	258351
K 766.491	5218.00	5203.22	5194.44
Mg 279.078	5467.77	5446.66	5456.71
Mn 257.610	3685.27	3670.46	3692.08
Mo 202.032	11.7271	12.6094	12.5329
Na 330.237	-58.9043u	-77.4633u	-193.057u
Ni 231.604	61.7314	61.2880	60.7720
Pb 220.353	133.679	132.518	138.986
Sb 206.834	2.9562	1.8309	2.2292
Se 196.026	4.9253	-2.8178	13.4816
Sn 189.925	19.0637	18.2791	12.4979
Sr 216.596	64.2281	63.6776	64.1333
Ti 334.941	518.323	518.092	519.554
Tl 190.794	2.4893u	2.1274u	1.9376u
V 292.401	387.761	386.559	388.113
Zn 206.200	199.573	202.324	199.873

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.5115	ppb	0.2257	9.0	-263.019
Al 308.215	131251	ppb	114.187	0.1	1032516
As 188.980	95.3878	ppb	2.2240	2.3	61.2585
B 249.678	8.2281	ppb	0.2560	3.1	-499.927
Ba 389.178	459.795	ppb	0.5746	0.1	11765.1
Be 313.042	10.0014	ppb	0.0073	0.1	20895.0
Ca 370.602	14868	ppb	22.17	0.1	41782
Cd 226.502	-3.3605	ppb	0.2268	6.7	1175.28
Co 228.615	44.3941	ppb	0.4572	1.0	562.974
Cr 267.716	314.500	ppb	0.2462	0.1	19196.1
Cu 324.754	88.9183	ppb	0.1095	0.1	7031.88
Fe 271.441	258383	ppb	338.685	0.1	457444
K 766.491	5205.22	ppb	11.9104	0.2	250299
Mg 279.078	5457.05	ppb	10.5580	0.2	16091.0
Mn 257.610	3682.60	ppb	11.0564	0.3	925860
Mo 202.032	12.2898	ppb	0.4888	4.0	81.8606
Na 330.237	-109.808	ppb	72.6902	66.2	-51.3672
Ni 231.604	61.2638	ppb	0.4802	0.8	225.477
Pb 220.353	135.061	ppb	3.4481	2.6	253.357
Sb 206.834	2.3388	ppb	0.5706	24.4	12.0630
Se 196.026	5.1964	ppb	8.1531	156.9	11.3524
Sn 189.925	16.6136	ppb	3.5858	21.6	7.6930
Sr 216.596	64.0130	ppb	0.2943	0.5	1176.30
Ti 334.941	518.656	ppb	0.7859	0.2	174386
Tl 190.794	2.1848	ppb	0.2803	12.8	-46.5732
V 292.401	387.478	ppb	0.8153	0.2	11995.6
Zn 206.200	200.590	ppb	1.5091	0.8	220.145

680-109515-a-48-a (Samp) **2/4/2015, 12:01:00 AM** **Rack 3, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	9.5757	10.0114	9.0718
Al 308.215	119702	119785	119679
As 188.980	496.128	501.532	504.958
B 249.678	101.371	101.390	101.321
Ba 389.178	1922.74	1920.31	1922.88
Be 313.042	7.3471	7.3567	7.3682
Ca 370.602	194624	193230	192092
Cd 226.502	0.9714	1.2771	1.3871
Co 228.615	51.4614	51.9914	51.8152
Cr 267.716	329.645	329.294	329.784
Cu 324.754	534.567	541.612	540.128
Fe 271.441	429153	430169	430056
K 766.491	16222.0	16245.1	16229.0
Mg 279.078	28424.0	28389.8	28454.7
Mn 257.610	23817.3	23371.4	23550.6
Mo 202.032	19.2509	20.4716	19.5987
Na 330.237	2004.08u	1707.98u	1849.80u
Ni 231.604	150.544	151.302	151.542
Pb 220.353	1243.06	1240.52	1236.44
Sb 206.834	13.9696	9.3145	13.7389
Se 196.026	-5.7458	-4.3641	-22.5544u
Sn 189.925	102.700	104.154	103.975
Sr 216.596	758.716	759.916	762.776
Ti 334.941	7800.62	7807.29	7805.31
Tl 190.794	6.0991u	7.5803u	4.7588u
V 292.401	1076.74	1074.86	1075.66
Zn 206.200	1775.88	1766.97	1762.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.5529	ppb	0.4702	4.9	915.260
Al 308.215	119722	ppb	55.4960	0.0	941986
As 188.980	500.873	ppb	4.4513	0.9	352.110
B 249.678	101.361	ppb	0.0354	0.0	831.326
Ba 389.178	1921.98	ppb	1.4440	0.1	48748.5
Be 313.042	7.3573	ppb	0.0105	0.1	15394.0
Ca 370.602	193316	ppb	1268	0.7	574521
Cd 226.502	1.2119	ppb	0.2154	17.8	2250.74
Co 228.615	51.7560	ppb	0.2699	0.5	826.803
Cr 267.716	329.574	ppb	0.2526	0.1	20317.9
Cu 324.754	538.769	ppb	3.7140	0.7	41296.5
Fe 271.441	429793	ppb	556.746	0.1	760904
K 766.491	16232.0	ppb	11.8650	0.1	779881
Mg 279.078	28422.8	ppb	32.4949	0.1	83845.2
Mn 257.610	23579.7	ppb	224.381	1.0	5923688
Mo 202.032	19.7737	ppb	0.6289	3.2	126.670
Na 330.237	1853.95	ppb	148.096	8.0	-27.4639
Ni 231.604	151.129	ppb	0.5213	0.3	543.579
Pb 220.353	1240.01	ppb	3.3391	0.3	2089.59
Sb 206.834	12.3410	ppb	2.6235	21.3	30.2609
Se 196.026	-10.8881	ppb	10.1269	93.0	10.0213
Sn 189.925	103.610	ppb	0.7929	0.8	75.6578
Sr 216.596	760.469	ppb	2.0857	0.3	10345.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	7804.41	ppb	3.4249	0.0	2624098
Tl 190.794	6.1461	ppb	1.4114	23.0	-58.6239
V 292.401	1075.75	ppb	0.9418	0.1	33528.5
Zn 206.200	1768.41	ppb	6.8681	0.4	2009.53

680-109515-a-49-a (Samp) **2/4/2015, 12:05:36 AM** **Rack 3, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	1.4216	1.0075	0.7205
Al 308.215	132470	132201	132241
As 188.980	139.030	148.737	144.029
B 249.678	21.4527u	20.7352u	20.4130u
Ba 389.178	1591.39	1593.15	1589.93
Be 313.042	10.6077	10.6127	10.5805
Ca 370.602	35048	35282	35241
Cd 226.502	0.7232	0.4192	0.1459
Co 228.615	46.1383	46.5610	45.0619
Cr 267.716	230.465	230.439	230.213
Cu 324.754	242.615	241.917	240.893
Fe 271.441	232305	232467	231766
K 766.491	7814.17	7794.82	7774.56
Mg 279.078	14021.0	14035.8	14000.9
Mn 257.610	6601.06	6636.69	6604.24
Mo 202.032	9.7039	9.6857	9.2412
Na 330.237	844.209u	658.470u	655.853u
Ni 231.604	70.2185	70.3779	71.6719
Pb 220.353	556.615	559.574	551.462
Sb 206.834	6.3729	9.0859	7.3846
Se 196.026	-6.8180	-6.4385	-2.3599
Sn 189.925	51.9360	52.1133	49.4077
Sr 216.596	179.029	179.815	178.991
Ti 334.941	464.988	464.055	462.168
Tl 190.794	1.6953u	3.6912u	4.7797u
V 292.401	298.818	298.715	297.679
Zn 206.200	1242.64	1247.23	1249.84

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0499	ppb	0.3525	33.6	85.2803
Al 308.215	132304	ppb	145.397	0.1	1040777
As 188.980	143.932	ppb	4.8543	3.4	96.4096
B 249.678	20.8669	ppb	0.5322	2.6	-187.985
Ba 389.178	1591.49	ppb	1.6129	0.1	40228.7
Be 313.042	10.6003	ppb	0.0174	0.2	22165.2
Ca 370.602	35190	ppb	124.8	0.4	102552
Cd 226.502	0.4294	ppb	0.2888	67.3	1223.24
Co 228.615	45.9204	ppb	0.7729	1.7	578.207
Cr 267.716	230.372	ppb	0.1385	0.1	14110.0
Cu 324.754	241.808	ppb	0.8660	0.4	18644.2
Fe 271.441	232179	ppb	366.868	0.2	411054
K 766.491	7794.52	ppb	19.8040	0.3	374655
Mg 279.078	14019.2	ppb	17.5559	0.1	41450.9
Mn 257.610	6614.00	ppb	19.7184	0.3	1662046
Mo 202.032	9.5436	ppb	0.2620	2.7	63.3764

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	719.510	ppb	108.000	15.0	-23.4575
Ni 231.604	70.7561	ppb	0.7971	1.1	254.999
Pb 220.353	555.884	ppb	4.1050	0.7	946.675
Sb 206.834	7.6145	ppb	1.3710	18.0	18.3154
Se 196.026	-5.2055	ppb	2.4717	47.5	6.6939
Sn 189.925	51.1523	ppb	1.5135	3.0	34.6763
Sr 216.596	179.279	ppb	0.4651	0.3	2615.65
Ti 334.941	463.737	ppb	1.4369	0.3	155934
Tl 190.794	3.3887	ppb	1.5643	46.2	-39.2712
V 292.401	298.404	ppb	0.6296	0.2	9222.89
Zn 206.200	1246.57	ppb	3.6416	0.3	1419.38

680-109515-a-50-a (Samp) **2/4/2015, 12:10:11 AM** **Rack 3, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-2.6635u	-2.8696u	-3.0480u
Al 308.215	147072	147646	147783
As 188.980	96.4897	85.8980	85.4294
B 249.678	17.0728u	17.2297u	17.8107u
Ba 389.178	1206.43	1210.85	1211.11
Be 313.042	11.6310	11.6800	11.6632
Ca 370.602	38594	38619	38577
Cd 226.502	-0.6307	-0.5770	-0.3073
Co 228.615	52.6314	52.9814	53.0491
Cr 267.716	186.228	186.587	186.751
Cu 324.754	74.6502	75.0298	75.0855
Fe 271.441	175942	176419	176549
K 766.491	5437.72	5484.89	5484.21
Mg 279.078	15642.2	15676.3	15714.3
Mn 257.610	8299.12	8334.96	8381.24
Mo 202.032	5.5437	5.4274	5.7287
Na 330.237	510.578u	413.248u	385.326u
Ni 231.604	59.9379	59.5391	61.6883
Pb 220.353	270.006	274.556	270.418
Sb 206.834	2.6027	2.9197	2.8806
Se 196.026	4.4547	2.6522	-0.6161
Sn 189.925	21.6812	17.8189	20.0130
Sr 216.596	117.187	118.169	117.940
Ti 334.941	301.610	303.170	302.557
Tl 190.794	-1.0400u	3.5839u	7.3499u
V 292.401	303.136	304.036	303.927
Zn 206.200	421.431	422.896	428.379

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.8603	ppb	0.1924	6.7	-255.813
Al 308.215	147500	ppb	377.209	0.3	1160264
As 188.980	89.2724	ppb	6.2548	7.0	57.4370
B 249.678	17.3711	ppb	0.3887	2.2	-105.670
Ba 389.178	1209.46	ppb	2.6308	0.2	30574.5
Be 313.042	11.6581	ppb	0.0249	0.2	24410.7
Ca 370.602	38597	ppb	21.26	0.1	113261
Cd 226.502	-0.5050	ppb	0.1733	34.3	894.497
Co 228.615	52.8873	ppb	0.2242	0.4	654.839

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	186.522	ppb	0.2677	0.1	11436.5
Cu 324.754	74.9219	ppb	0.2369	0.3	5932.04
Fe 271.441	176303	ppb	319.883	0.2	312136
K 766.491	5468.94	ppb	27.0395	0.5	262965
Mg 279.078	15677.6	ppb	36.0683	0.2	46330.5
Mn 257.610	8338.44	ppb	41.1693	0.5	2094948
Mo 202.032	5.5666	ppb	0.1520	2.7	37.3783
Na 330.237	436.384	ppb	65.7535	15.1	-3.6422
Ni 231.604	60.3884	ppb	1.1433	1.9	214.919
Pb 220.353	271.660	ppb	2.5163	0.9	473.857
Sb 206.834	2.8010	ppb	0.1728	6.2	9.6010
Se 196.026	2.1636	ppb	2.5704	118.8	10.2127
Sn 189.925	19.8377	ppb	1.9371	9.8	10.2122
Sr 216.596	117.765	ppb	0.5136	0.4	1757.28
Ti 334.941	302.446	ppb	0.7855	0.3	101701
Tl 190.794	3.2979	ppb	4.2022	127.4	-28.8881
V 292.401	303.700	ppb	0.4912	0.2	9414.52
Zn 206.200	424.235	ppb	3.6625	0.9	479.638

680-109515-a-51-a (Samp) **2/4/2015, 12:14:47 AM** **Rack 3, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-1.5778u	-1.8024u	-2.0113u
Al 308.215	174977	174464	174700
As 188.980	31.0077	26.6415	26.8120
B 249.678	12.5014u	12.1032u	12.2364u
Ba 389.178	758.516	758.889	757.611
Be 313.042	10.7994	10.7854	10.8005
Ca 370.602	71660	71612	71376
Cd 226.502	-0.5704	-0.6738	-0.5187
Co 228.615	20.4797	20.9612	21.0637
Cr 267.716	183.719	183.088	183.101
Cu 324.754	34.3444	34.2903	33.6480
Fe 271.441	120639	120582	120426
K 766.491	4075.24	4085.19	4075.63
Mg 279.078	24048.3	23991.6	23976.9
Mn 257.610	1397.46	1394.48	1393.91
Mo 202.032	0.5623u	1.5373	1.0767
Na 330.237	993.903	1097.33	1009.46
Ni 231.604	51.5584	51.9073	51.4146
Pb 220.353	114.576	110.891	116.559
Sb 206.834	4.3492	-0.8143	3.5968
Se 196.026	5.5569	-1.7784	4.0593
Sn 189.925	15.6704	14.0751	18.7927
Sr 216.596	92.6464	91.4162	92.4692
Ti 334.941	205.558	205.537	205.997
Tl 190.794	0.1979u	0.4422u	-1.4745u
V 292.401	200.456	200.581	199.994
Zn 206.200	271.437	272.187	266.942

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7972	ppb	0.2168	12.1	-185.299
Al 308.215	174714	ppb	257.207	0.1	1374231

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	28.1537	ppb	2.4731	8.8	13.8117
B 249.678	12.2803	ppb	0.2027	1.7	-54.1058
Ba 389.178	758.339	ppb	0.6570	0.1	19197.7
Be 313.042	10.7951	ppb	0.0084	0.1	22598.3
Ca 370.602	71549	ppb	152.3	0.2	211637
Cd 226.502	-0.5876	ppb	0.0790	13.4	606.416
Co 228.615	20.8349	ppb	0.3118	1.5	261.292
Cr 267.716	183.303	ppb	0.3608	0.2	11175.2
Cu 324.754	34.0942	ppb	0.3874	1.1	2804.56
Fe 271.441	120549	ppb	110.609	0.1	213428
K 766.491	4078.69	ppb	5.6375	0.1	196196
Mg 279.078	24005.6	ppb	37.7439	0.2	71208.5
Mn 257.610	1395.28	ppb	1.9041	0.1	351103
Mo 202.032	1.0588	ppb	0.4878	46.1	7.6597
Na 330.237	1033.56	ppb	55.7703	5.4	49.0661
Ni 231.604	51.6268	ppb	0.2534	0.5	180.360
Pb 220.353	114.008	ppb	2.8764	2.5	207.927
Sb 206.834	2.3772	ppb	2.7894	117.3	7.9264
Se 196.026	2.6126	ppb	3.8757	148.3	8.1679
Sn 189.925	16.1794	ppb	2.3996	14.8	7.3545
Sr 216.596	92.1772	ppb	0.6650	0.7	1368.02
Ti 334.941	205.698	ppb	0.2598	0.1	69182.8
Tl 190.794	-0.2781	ppb	1.0433	375.1	-27.7697
V 292.401	200.344	ppb	0.3092	0.2	6203.43
Zn 206.200	270.189	ppb	2.8365	1.0	305.284

680-109515-a-52-a (Samp) **2/4/2015, 12:19:22 AM** **Rack 3, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.1569u	-0.0807u	0.1286
Al 308.215	96446.0	95860.1	98084.4
As 188.980	154.515	146.980	154.895
B 249.678	48.6586	48.2093	48.6093
Ba 389.178	1420.92	1411.19	1443.88
Be 313.042	8.4177	8.3442	8.5553
Ca 370.602	196948	196865	200606
Cd 226.502	2.7170	2.4244	2.8387
Co 228.615	41.4723	40.7661	41.3617
Cr 267.716	373.370	369.129	378.594
Cu 324.754	247.318	248.762	254.426
Fe 271.441	283161	281291	288176
K 766.491	7418.92	7394.44	7577.79
Mg 279.078	20412.9	20252.8	20719.9
Mn 257.610	11713.8	11587.3	11913.7
Mo 202.032	14.6347	14.1953	14.9939
Na 330.237	887.120u	766.579u	762.883u
Ni 231.604	66.4263	63.0234	67.0946
Pb 220.353	1671.13	1643.55	1687.38
Sb 206.834	8.4101	7.8604	7.9682
Se 196.026	-14.1831u	5.3166	-1.2483
Sn 189.925	53.7414	58.6643	61.1654
Sr 216.596	353.227	349.900	357.615
Ti 334.941	3026.38	3000.29	3071.31

Label	Replicates Concentration		
Tl 190.794	4.0529u	-1.7860u	5.1445u
V 292.401	489.234	486.732	498.357
Zn 206.200	2182.68	2149.49	2208.32

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0363	ppb	0.1479	407.2	-3.3909
Al 308.215	96796.8	ppb	1152.94	1.2	761607
As 188.980	152.130	ppb	4.4642	2.9	101.946
B 249.678	48.4924	ppb	0.2464	0.5	204.832
Ba 389.178	1425.33	ppb	16.7843	1.2	36109.5
Be 313.042	8.4391	ppb	0.1071	1.3	17659.2
Ca 370.602	198140	ppb	2136	1.1	587927
Cd 226.502	2.6601	ppb	0.2129	8.0	1586.88
Co 228.615	41.2000	ppb	0.3799	0.9	582.425
Cr 267.716	373.698	ppb	4.7411	1.3	22839.3
Cu 324.754	250.169	ppb	3.7571	1.5	19300.2
Fe 271.441	284209	ppb	3560.19	1.3	503166
K 766.491	7463.72	ppb	99.5492	1.3	358767
Mg 279.078	20461.8	ppb	237.340	1.2	60482.1
Mn 257.610	11738.2	ppb	164.553	1.4	2949203
Mo 202.032	14.6080	ppb	0.4000	2.7	97.2328
Na 330.237	805.527	ppb	70.6855	8.8	-55.9310
Ni 231.604	65.5148	ppb	2.1833	3.3	242.149
Pb 220.353	1667.35	ppb	22.1572	1.3	2785.08
Sb 206.834	8.0796	ppb	0.2913	3.6	21.8172
Se 196.026	-3.3716	ppb	9.9218	294.3	9.3706
Sn 189.925	57.8570	ppb	3.7772	6.5	39.9141
Sr 216.596	353.581	ppb	3.8697	1.1	4971.25
Ti 334.941	3032.66	ppb	35.9247	1.2	1019686
Tl 190.794	2.4705	ppb	3.7264	150.8	-45.9497
V 292.401	491.441	ppb	6.1185	1.2	15257.5
Zn 206.200	2180.16	ppb	29.4972	1.4	2486.50

680-109515-a-53-a (Samp) **2/4/2015, 12:23:58 AM** **Rack 3, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	-0.4389u	-0.4645u	-0.1201u
Al 308.215	41717.6	41793.3	41711.1
As 188.980	69.7893	71.5081	73.1801
B 249.678	18.8985	19.3934	19.4821
Ba 389.178	2065.79	2062.81	2063.00
Be 313.042	3.1295	3.1342	3.1218
Ca 370.602	457130	456729	461561
Cd 226.502	4.5885	4.8679	4.7251
Co 228.615	17.1098	17.4241	17.0314
Cr 267.716	100.675	101.100	100.722
Cu 324.754	114.495	115.296	113.443
Fe 271.441	69651.1	69775.8	69659.3
K 766.491	2921.92	2919.27	2909.76
Mg 279.078	13223.9	13241.6	13247.2
Mn 257.610	3272.18	3286.53	3283.08
Mo 202.032	6.3021	4.9200	5.5010
Na 330.237	1073.71u	998.107u	1009.30u

Label	Replicates Concentration		
Ni 231.604	28.5469	31.5180	30.3799
Pb 220.353	2334.49	2341.09	2336.95
Sb 206.834	6.6292	4.6595	4.7270
Se 196.026	-1.3636	-7.7447u	-4.2366u
Sn 189.925	27.3974	26.8827	24.9353
Sr 216.596	255.552	256.727	255.694
Ti 334.941	1213.73	1212.08	1207.80
Tl 190.794	2.6808u	-0.2581u	0.8018u
V 292.401	145.960	145.775	145.577
Zn 206.200	2339.27	2350.09	2358.32

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3411	ppb	0.1919	56.2	-37.6598
Al 308.215	41740.7	ppb	45.7494	0.1	328599
As 188.980	71.4925	ppb	1.6955	2.4	45.3871
B 249.678	19.2580	ppb	0.3145	1.6	215.279
Ba 389.178	2063.87	ppb	1.6651	0.1	51967.6
Be 313.042	3.1285	ppb	0.0062	0.2	6507.72
Ca 370.602	458473	ppb	2682	0.6	1363415
Cd 226.502	4.7271	ppb	0.1397	3.0	598.096
Co 228.615	17.1884	ppb	0.2079	1.2	235.705
Cr 267.716	100.832	ppb	0.2332	0.2	6170.72
Cu 324.754	114.411	ppb	0.9294	0.8	8888.49
Fe 271.441	69695.4	ppb	69.7665	0.1	123399
K 766.491	2916.98	ppb	6.3946	0.2	140403
Mg 279.078	13237.6	ppb	12.1929	0.1	39242.6
Mn 257.610	3280.60	ppb	7.4910	0.2	824321
Mo 202.032	5.5744	ppb	0.6940	12.4	42.9426
Na 330.237	1027.04	ppb	40.8026	4.0	11.4884
Ni 231.604	30.1483	ppb	1.4990	5.0	103.363
Pb 220.353	2337.51	ppb	3.3386	0.1	3875.90
Sb 206.834	5.3386	ppb	1.1182	20.9	10.1472
Se 196.026	-4.4483	ppb	3.1958	71.8	4.6560
Sn 189.925	26.4051	ppb	1.2987	4.9	15.3431
Sr 216.596	255.991	ppb	0.6416	0.3	3541.34
Ti 334.941	1211.20	ppb	3.0623	0.3	407220
Tl 190.794	1.0749	ppb	1.4884	138.5	-16.6451
V 292.401	145.771	ppb	0.1918	0.1	4529.59
Zn 206.200	2349.23	ppb	9.5555	0.4	2688.73

680-109515-a-54-a (Samp) **2/4/2015, 12:28:33 AM** **Rack 3, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	-1.2165u	-1.2700u	-1.3873u
Al 308.215	117343	117028	117139
As 188.980	215.410	216.553	211.553
B 249.678	14.1481u	12.6253u	15.2050u
Ba 389.178	746.975	746.999	747.223
Be 313.042	15.2114	15.2000	15.1810
Ca 370.602	73914	73862	73671
Cd 226.502	-2.8653	-3.2393	-2.7588
Co 228.615	95.2521	93.6822	93.0006
Cr 267.716	417.428	417.783	417.170

Label	Replicates Concentration		
Cu 324.754	221.824	220.078	221.617
Fe 271.441	588226	586474	585786
K 766.491	3189.14	3183.06	3177.85
Mg 279.078	23156.8	23103.2	23081.7
Mn 257.610	10158.1	10149.1	10088.2
Mo 202.032	14.2746	15.1231	15.3043
Na 330.237	28.1221u	-43.2493u	115.152u
Ni 231.604	76.4464	77.8600	78.2114
Pb 220.353	475.666	470.930	473.644
Sb 206.834	8.9376	12.8177	10.8215
Se 196.026	-8.6686	-16.4268	0.4867
Sn 189.925	28.7238	30.4220	25.0166
Sr 216.596	124.952	122.816	123.595
Ti 334.941	1201.36	1199.56	1199.95
Tl 190.794	1.1221u	2.8128u	3.2522u
V 292.401	859.057	858.369	856.909
Zn 206.200	833.701	835.380	828.810

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2912	ppb	0.0874	6.8	-176.668
Al 308.215	117170	ppb	159.703	0.1	921903
As 188.980	214.505	ppb	2.6201	1.2	144.723
B 249.678	13.9928	ppb	1.2968	9.3	-1267.47
Ba 389.178	747.066	ppb	0.1366	0.0	19318.9
Be 313.042	15.1975	ppb	0.0153	0.1	31930.5
Ca 370.602	73816	ppb	127.7	0.2	214023
Cd 226.502	-2.9545	ppb	0.2524	8.5	2866.77
Co 228.615	93.9783	ppb	1.1546	1.2	1201.42
Cr 267.716	417.460	ppb	0.3078	0.1	25631.8
Cu 324.754	221.173	ppb	0.9542	0.4	17226.7
Fe 271.441	586829	ppb	1258.45	0.2	1038912
K 766.491	3183.35	ppb	5.6518	0.2	153195
Mg 279.078	23113.9	ppb	38.7196	0.2	68385.4
Mn 257.610	10131.8	ppb	38.0319	0.4	2546837
Mo 202.032	14.9007	ppb	0.5497	3.7	83.7837
Na 330.237	33.3419	ppb	79.3296	237.9	-149.619
Ni 231.604	77.5060	ppb	0.9343	1.2	310.493
Pb 220.353	473.413	ppb	2.3761	0.5	836.115
Sb 206.834	10.8589	ppb	1.9403	17.9	32.3316
Se 196.026	-8.2029	ppb	8.4664	103.2	9.5426
Sn 189.925	28.0541	ppb	2.7642	9.9	16.6301
Sr 216.596	123.788	ppb	1.0809	0.9	2412.36
Ti 334.941	1200.29	ppb	0.9489	0.1	403648
Tl 190.794	2.3957	ppb	1.1247	46.9	-97.5107
V 292.401	858.112	ppb	1.0967	0.1	26587.2
Zn 206.200	832.630	ppb	3.4133	0.4	931.610

680-109515-b-55-a (Samp) **2/4/2015, 12:33:09 AM** **Rack 3, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	-3.2211u	-4.0379u	-3.5456u
Al 308.215	74555.8	74494.2	74561.5
As 188.980	86.6968	83.1707	84.6352

Label	Replicates Concentration		
B 249.678	6.9533u	6.5619u	6.9487u
Ba 389.178	847.221	847.365	848.055
Be 313.042	10.2642	10.2595	10.2811
Ca 370.602	14205	14152	14152
Cd 226.502	-2.1200	-1.6841	-2.0099
Co 228.615	100.181	100.358	100.260
Cr 267.716	225.142	224.024	224.296
Cu 324.754	87.3793	87.5422	87.7633
Fe 271.441	183453	183062	183278
K 766.491	4132.22	4128.47	4144.09
Mg 279.078	4251.69	4245.91	4251.55
Mn 257.610	17544.0	17513.4	17470.9
Mo 202.032	7.7163	7.9459	7.1976
Na 330.237	91.3433u	-174.562u	-43.6637u
Ni 231.604	49.1567	48.9938	48.8676
Pb 220.353	247.871	248.033	241.408
Sb 206.834	3.8944	0.9605	5.9877
Se 196.026	0.4724	-0.6824	-0.3674
Sn 189.925	12.8666	11.1329	17.5469
Sr 216.596	71.4230	71.3101	71.0735
Ti 334.941	731.763	731.783	732.441
Tl 190.794	6.7749u	0.3707u	2.5389u
V 292.401	273.715	271.767	272.795
Zn 206.200	351.666	351.166	352.596

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.6015	ppb	0.4113	11.4	-272.208
Al 308.215	74537.2	ppb	37.3210	0.1	586524
As 188.980	84.8342	ppb	1.7714	2.1	54.1916
B 249.678	6.8213	ppb	0.2246	3.3	-326.349
Ba 389.178	847.547	ppb	0.4456	0.1	21449.9
Be 313.042	10.2682	ppb	0.0114	0.1	21445.8
Ca 370.602	14170	ppb	30.66	0.2	40983
Cd 226.502	-1.9380	ppb	0.2266	11.7	860.030
Co 228.615	100.266	ppb	0.0887	0.1	1237.72
Cr 267.716	224.488	ppb	0.5828	0.3	13787.5
Cu 324.754	87.5616	ppb	0.1927	0.2	6896.51
Fe 271.441	183264	ppb	195.533	0.1	324466
K 766.491	4134.93	ppb	8.1511	0.2	198897
Mg 279.078	4249.72	ppb	3.2997	0.1	12215.3
Mn 257.610	17509.4	ppb	36.6930	0.2	4398100
Mo 202.032	7.6199	ppb	0.3834	5.0	51.9410
Na 330.237	-42.2940	ppb	132.958	314.4	-30.6062
Ni 231.604	49.0060	ppb	0.1450	0.3	177.101
Pb 220.353	245.771	ppb	3.7793	1.5	434.422
Sb 206.834	3.6142	ppb	2.5252	69.9	11.4026
Se 196.026	-0.1924	ppb	0.5969	310.2	11.3911
Sn 189.925	13.8488	ppb	3.3179	24.0	5.5332
Sr 216.596	71.2689	ppb	0.1784	0.3	1165.24
Ti 334.941	731.996	ppb	0.3855	0.1	246099
Tl 190.794	3.2281	ppb	3.2573	100.9	-24.9388
V 292.401	272.759	ppb	0.9745	0.4	8444.70
Zn 206.200	351.809	ppb	0.7258	0.2	396.347

Cont Calib Verif (CCV) **2/4/2015, 12:37:44 AM** **Rack 3, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	476.664	474.518	480.291
Al 308.215	4746.30	4715.39	4730.65
As 188.980	491.936	480.037	477.060
B 249.678	478.084	478.101	477.875
Ba 389.178	4758.30	4728.21	4746.99
Be 313.042	486.868	483.334	484.828
Ca 370.602	4783	4758	4782
Cd 226.502	477.091	474.654	474.511
Co 228.615	486.122	483.929	484.513
Cr 267.716	4899.12	4875.93	4884.08
Cu 324.754	5073.46	5005.30	5029.29
Fe 271.441	4707.03	4693.90	4702.63
K 766.491	10215.3	10164.7	10182.6
Mg 279.078	4860.99	4834.48	4842.20
Mn 257.610	4877.71	4864.49	4876.91
Mo 202.032	479.190	477.566	476.977
Na 330.237	7427.61	7133.56	7317.48
Ni 231.604	2402.02	2391.21	2394.46
Pb 220.353	478.803	474.225	476.658
Sb 206.834	942.734	940.801	937.857
Se 196.026	4784.54	4772.89	4749.41
Sn 189.925	4839.86	4762.92	4803.17
Sr 216.596	2368.24	2353.05	2344.97
Ti 334.941	471.899	468.786	469.296
Tl 190.794	4840.76	4820.76	4828.58
V 292.401	4850.57	4821.90	4840.03
Zn 206.200	2373.32	2350.71	2359.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	477.158	ppb	2.9179	0.6	44356.1	95.43153
Al 308.215	4730.78	ppb	15.4530	0.3	38305.2	94.61562
As 188.980	483.011	ppb	7.8716	1.6	342.118	96.60222
B 249.678	478.020	ppb	0.1257	0.0	9217.59	95.60402
Ba 389.178	4744.50	ppb	15.1996	0.3	119334	94.88998
Be 313.042	485.010	ppb	1.7737	0.4	1026764	97.00201
Ca 370.602	4774	ppb	14.27	0.3	14554	95.48709
Cd 226.502	475.419	ppb	1.4501	0.3	22547.8	95.08380
Co 228.615	484.855	ppb	1.1356	0.2	5862.66	96.97093
Cr 267.716	4886.37	ppb	11.7638	0.2	295577	97.72749
Cu 324.754	5036.02	ppb	34.5764	0.7	382949	100.72034
Fe 271.441	4701.19	ppb	6.6852	0.1	8442.48	94.02373
K 766.491	10187.5	ppb	25.6623	0.3	489584	101.87540
Mg 279.078	4845.89	ppb	13.6333	0.3	14300.9	96.91786
Mn 257.610	4873.04	ppb	7.4096	0.2	1223946	97.46076
Mo 202.032	477.911	ppb	1.1460	0.2	3460.00	95.58217
Na 330.237	7292.88	ppb	148.560	2.0	380.814	97.23840
Ni 231.604	2395.90	ppb	5.5483	0.2	8052.71	95.83583
Pb 220.353	476.562	ppb	2.2906	0.5	804.414	95.31237
Sb 206.834	940.464	ppb	2.4560	0.3	1449.21	94.04643
Se 196.026	4768.95	ppb	17.8936	0.4	2360.86	95.37895
Sn 189.925	4801.98	ppb	38.4839	0.8	3746.21	96.03959
Sr 216.596	2355.42	ppb	11.8113	0.5	29914.1	94.21689

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	469.993	ppb	1.6696	0.4	157980	93.99865
Tl 190.794	4830.03	ppb	10.0764	0.2	5730.20	96.60061
V 292.401	4837.50	ppb	14.5022	0.3	151068	96.74993
Zn 206.200	2361.17	ppb	11.4013	0.5	2694.59	94.44675

Cont Calib Blank (CCB) **2/4/2015, 12:42:20 AM** **Rack 3, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	466.933	469.251	472.785
Al 308.215	4653.79	4662.35	4694.30
As 188.980	477.089	466.529	483.648
B 249.678	469.270	471.526	476.281
Ba 389.178	4683.03	4680.84	4718.76
Be 313.042	476.947	477.798	481.400
Ca 370.602	4680	4676	4726
Cd 226.502	465.741	467.531	471.807
Co 228.615	476.556	477.803	481.516
Cr 267.716	4805.09	4817.42	4850.37
Cu 324.754	4931.27	4870.51	5008.24
Fe 271.441	4628.13	4628.54	4674.47
K 766.491	10117.3	10108.2	10181.0
Mg 279.078	4752.52	4766.90	4798.76
Mn 257.610	4777.58	4804.60	4837.60
Mo 202.032	467.808	470.480	470.733
Na 330.237	7074.35	7163.74	7069.58
Ni 231.604	2362.95	2356.85	2370.24
Pb 220.353	465.495	467.794	467.283
Sb 206.834	924.372	921.487	930.383
Se 196.026	4707.59	4726.88	4764.78
Sn 189.925	4690.48	4708.18	4717.87
Sr 216.596	2315.65	2326.07	2325.73
Ti 334.941	464.083	464.867	467.203
Tl 190.794	4756.52	4737.48	4791.98
V 292.401	4768.31	4766.56	4816.17
Zn 206.200	2298.74	2310.12	2333.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	469.656	ppb	2.9468	0.6	43658.7	469.65625Z
Al 308.215	4670.15	ppb	21.3518	0.5	37820.7	4670.14844Z
As 188.980	475.755	ppb	8.6370	1.8	336.895	475.75510Z
B 249.678	472.359	ppb	3.5786	0.8	9108.81	472.35889Z
Ba 389.178	4694.21	ppb	21.2859	0.5	118068	4694.21045Z
Be 313.042	478.715	ppb	2.3641	0.5	1013434	478.71494Z
Ca 370.602	4694	ppb	27.85	0.6	14312	4694.06689Z
Cd 226.502	468.360	ppb	3.1167	0.7	22213.4	468.35971Z
Co 228.615	478.625	ppb	2.5800	0.5	5787.41	478.62503Z
Cr 267.716	4824.29	ppb	23.4077	0.5	291822	4824.29492Z
Cu 324.754	4936.67	ppb	69.0225	1.4	375398	4936.67383Z
Fe 271.441	4643.72	ppb	26.6387	0.6	8339.46	4643.71533Z
K 766.491	10135.5	ppb	39.6280	0.4	487085	0135.50195Z
Mg 279.078	4772.73	ppb	23.6638	0.5	14085.1	4772.72510Z
Mn 257.610	4806.59	ppb	30.0624	0.6	1207258	4806.59473Z
Mo 202.032	469.674	ppb	1.6204	0.3	3400.43	469.67371Z

E02032015.wvq. All Data Report 2/4/2015, 2:45:23 PM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	7102.56	ppb	53.0372	0.7	371.225	7102.55615Z
Ni 231.604	2363.35	ppb	6.7007	0.3	7943.25	2363.34595Z
Pb 220.353	466.857	ppb	1.2072	0.3	788.348	466.85742Z
Sb 206.834	925.414	ppb	4.5389	0.5	1426.30	925.41394Z
Se 196.026	4733.08	ppb	29.0978	0.6	2343.14	4733.08301Z
Sn 189.925	4705.51	ppb	13.8883	0.3	3670.84	4705.50928Z
Sr 216.596	2322.48	ppb	5.9184	0.3	29495.8	2322.48486Z
Ti 334.941	465.384	ppb	1.6230	0.3	156430	465.38434Z
Tl 190.794	4761.99	ppb	27.6564	0.6	5649.41	4761.99316Z
V 292.401	4783.68	ppb	28.1482	0.6	149388	4783.67871Z
Zn 206.200	2313.97	ppb	17.4661	0.8	2640.65	2313.96680Z

680-109515-a-56-a (Samp) **2/4/2015, 12:46:55 AM** **Rack 3, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-1.0200u	-0.4949u	-0.6659u
Al 308.215	160231	160535	164165
As 188.980	230.354	230.840	222.178
B 249.678	67.6259	67.9694	68.1808
Ba 389.178	1819.13	1822.74	1867.25
Be 313.042	20.9462	20.9523	21.4908
Ca 370.602	379031	377937	385925
Cd 226.502	5.3019	5.3539	6.6594
Co 228.615	117.744	119.250	121.204
Cr 267.716	447.902	447.776	459.131
Cu 324.754	334.334	335.532	342.190
Fe 271.441	364520	364701	374182
K 766.491	14695.4	14729.6	15071.1
Mg 279.078	85681.3	85629.9	87687.1
Mn 257.610	11645.4	11633.7	11885.8
Mo 202.032	29.7928	29.9751	30.6768
Na 330.237	1594.73u	1903.84u	1637.62u
Ni 231.604	145.855	146.655	150.324
Pb 220.353	919.397	921.165	939.427
Sb 206.834	7.8158	8.7669	12.1802
Se 196.026	-6.2996	-2.9022	0.9487
Sn 189.925	76.9406	79.4772	80.7200
Sr 216.596	637.702	639.185	653.641
Ti 334.941	2401.63	2400.38	2463.77
Tl 190.794	0.3144u	-3.5284u	1.8296u
V 292.401	465.551	466.217	477.615
Zn 206.200	2165.49	2171.24	2233.53

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7270	ppb	0.2678	36.8	-96.0561
Al 308.215	161644	ppb	2188.60	1.4	1271528
As 188.980	227.791	ppb	4.8669	2.1	155.843
B 249.678	67.9254	ppb	0.2801	0.4	353.727
Ba 389.178	1836.37	ppb	26.7962	1.5	46675.6
Be 313.042	21.1298	ppb	0.3127	1.5	44597.6
Ca 370.602	380964	ppb	4331	1.1	1130460
Cd 226.502	5.7717	ppb	0.7692	13.3	2163.95
Co 228.615	119.399	ppb	1.7348	1.5	1519.94

E02032015.wvq. All Data Report 2/4/2015, 2:45:23 PM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	451.603	ppb	6.5195	1.4	27596.8
Cu 324.754	337.352	ppb	4.2325	1.3	25966.7
Fe 271.441	367801	ppb	5526.57	1.5	651161
K 766.491	14832.0	ppb	207.716	1.4	712644
Mg 279.078	86332.8	ppb	1173.19	1.4	256071
Mn 257.610	11721.6	ppb	142.286	1.2	2945913
Mo 202.032	30.1483	ppb	0.4667	1.5	205.555
Na 330.237	1712.06	ppb	167.465	9.8	-28.4230
Ni 231.604	147.611	ppb	2.3827	1.6	525.888
Pb 220.353	926.663	ppb	11.0896	1.2	1567.89
Sb 206.834	9.5876	ppb	2.2950	23.9	26.4446
Se 196.026	-2.7510	ppb	3.6265	131.8	10.4976
Sn 189.925	79.0459	ppb	1.9262	2.4	56.4678
Sr 216.596	643.509	ppb	8.8059	1.4	8848.33
Ti 334.941	2421.93	ppb	36.2413	1.5	814491
Tl 190.794	-0.4615	ppb	2.7620	598.5	-63.5383
V 292.401	469.794	ppb	6.7812	1.4	14531.1
Zn 206.200	2190.09	ppb	37.7335	1.7	2494.57

680-109515-a-57-a (Samp) **2/4/2015, 12:51:31 AM** **Rack 3, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	9.8623	9.6674	10.1393
Al 308.215	68349.3	68596.0	68899.1
As 188.980	749.743	753.347	746.571
B 249.678	59.5402	59.1007	60.5566
Ba 389.178	1905.46	1910.43	1925.16
Be 313.042	5.1401	5.1532	5.1822
Ca 370.602	44922	45100	45311
Cd 226.502	-0.2736	-0.6780	0.0078
Co 228.615	47.0476	47.9283	48.0196
Cr 267.716	209.063	209.756	211.354
Cu 324.754	850.409	860.729	854.582
Fe 271.441	403313	404053	406914
K 766.491	10400.2	10445.5	10469.2
Mg 279.078	9579.48	9605.31	9665.22
Mn 257.610	5471.53	5507.80	5532.50
Mo 202.032	37.4330	38.1255	37.2513
Na 330.237	3597.01	3729.28	3668.32
Ni 231.604	87.8865	88.7622	87.5971
Pb 220.353	851.564	854.843	858.491
Sb 206.834	14.6268	10.0746	9.1383
Se 196.026	10.0437	6.1796	1.5330
Sn 189.925	84.4558	90.5912	89.8248
Sr 216.596	614.703	615.334	622.203
Ti 334.941	1443.56	1447.24	1457.95
Tl 190.794	5.9130u	1.7777u	3.3531u
V 292.401	348.166	350.078	351.983
Zn 206.200	1550.52	1553.50	1562.85

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.8897	ppb	0.2372	2.4	852.224
Al 308.215	68614.8	ppb	275.361	0.4	539994

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	749.887	ppb	3.3903	0.5	531.648
B 249.678	59.7325	ppb	0.7468	1.3	98.7246
Ba 389.178	1913.68	ppb	10.2449	0.5	48472.9
Be 313.042	5.1585	ppb	0.0216	0.4	10632.0
Ca 370.602	45111	ppb	194.8	0.4	130617
Cd 226.502	-0.3146	ppb	0.3447	109.6	2062.34
Co 228.615	47.6652	ppb	0.5368	1.1	632.758
Cr 267.716	210.058	ppb	1.1748	0.6	12968.3
Cu 324.754	855.240	ppb	5.1911	0.6	65355.2
Fe 271.441	404760	ppb	1901.52	0.5	716581
K 766.491	10438.3	ppb	35.0572	0.3	501627
Mg 279.078	9616.67	ppb	43.9860	0.5	28428.0
Mn 257.610	5503.95	ppb	30.6682	0.6	1383822
Mo 202.032	37.6032	ppb	0.4613	1.2	257.835
Na 330.237	3664.87	ppb	66.2049	1.8	86.6059
Ni 231.604	88.0819	ppb	0.6066	0.7	329.219
Pb 220.353	854.966	ppb	3.4649	0.4	1452.45
Sb 206.834	11.2799	ppb	2.9361	26.0	26.2507
Se 196.026	5.9188	ppb	4.2613	72.0	13.5872
Sn 189.925	88.2906	ppb	3.3431	3.8	63.6907
Sr 216.596	617.413	ppb	4.1598	0.7	8432.38
Ti 334.941	1449.58	ppb	7.4753	0.5	487411
Tl 190.794	3.6813	ppb	2.0871	56.7	-68.7406
V 292.401	350.076	ppb	1.9084	0.5	10769.6
Zn 206.200	1555.62	ppb	6.4351	0.4	1767.00

680-109515-a-58-a (Samp) **2/4/2015, 12:56:06 AM** **Rack 3, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.1220	0.5748u	1.0993
Al 308.215	55587.4	55541.9	55816.3
As 188.980	86.9636	84.6680	84.5677
B 249.678	26.8066u	25.9951u	24.7321u
Ba 389.178	675.273	674.165	676.584
Be 313.042	4.2257	4.2188	4.2267
Ca 370.602	33592	33672	33921
Cd 226.502	3.1760	2.7823	2.3740
Co 228.615	39.0175	38.8413	38.9741
Cr 267.716	566.608	565.758	568.096
Cu 324.754	669.295	667.327	661.223
Fe 271.441	389804	388960	391770
K 766.491	4327.48	4307.58	4329.24
Mg 279.078	7445.28	7457.79	7475.17
Mn 257.610	4279.05	4283.50	4278.60
Mo 202.032	92.1437	91.7017	92.3562
Na 330.237	617.494u	676.992u	786.122u
Ni 231.604	239.546	238.578	243.873
Pb 220.353	1542.17	1536.86	1531.95
Sb 206.834	13.4242	10.7940	10.9089
Se 196.026	-3.6260	-10.0108u	3.5975
Sn 189.925	97.2017	98.2115	100.848
Sr 216.596	161.904	161.949	162.946
Ti 334.941	591.427	588.852	589.930

Label	Replicates Concentration		
Tl 190.794	-0.2290u	0.0229u	-0.6154u
V 292.401	153.797	153.299	153.856
Zn 206.200	2852.37	2846.26	2877.89

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9320	ppb	0.3096	33.2	30.9527
Al 308.215	55648.5	ppb	147.041	0.3	438005
As 188.980	85.3998	ppb	1.3553	1.6	53.1007
B 249.678	25.8446	ppb	1.0454	4.0	-514.418
Ba 389.178	675.341	ppb	1.2112	0.2	17306.2
Be 313.042	4.2237	ppb	0.0043	0.1	8627.53
Ca 370.602	33729	ppb	171.5	0.5	96489
Cd 226.502	2.7774	ppb	0.4010	14.4	2138.24
Co 228.615	38.9443	ppb	0.0918	0.2	506.398
Cr 267.716	566.821	ppb	1.1833	0.2	34536.1
Cu 324.754	665.948	ppb	4.2087	0.6	50964.1
Fe 271.441	390178	ppb	1442.05	0.4	690764
K 766.491	4321.43	ppb	12.0276	0.3	207854
Mg 279.078	7459.41	ppb	15.0109	0.2	22054.7
Mn 257.610	4280.39	ppb	2.7084	0.1	1076466
Mo 202.032	92.0672	ppb	0.3339	0.4	653.034
Na 330.237	693.536	ppb	85.5227	12.3	-108.180
Ni 231.604	240.665	ppb	2.8197	1.2	841.107
Pb 220.353	1536.99	ppb	5.1074	0.3	2577.73
Sb 206.834	11.7090	ppb	1.4865	12.7	30.3804
Se 196.026	-3.3464	ppb	6.8084	203.5	8.5725
Sn 189.925	98.7538	ppb	1.8827	1.9	71.8639
Sr 216.596	162.266	ppb	0.5889	0.4	2610.22
Ti 334.941	590.070	ppb	1.2933	0.2	198415
Tl 190.794	-0.2738	ppb	0.3215	117.4	-72.2928
V 292.401	153.651	ppb	0.3058	0.2	4588.32
Zn 206.200	2858.84	ppb	16.7802	0.6	3259.49

680-109515-a-59-a (Samp) **2/4/2015, 1:00:42 AM** **Rack 3, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.9373	1.4107	0.5958
Al 308.215	55250.3	55079.2	55163.3
As 188.980	91.6757	91.3252	89.1890
B 249.678	26.9882u	27.6837u	27.7558u
Ba 389.178	742.489	739.275	739.873
Be 313.042	4.3232	4.3089	4.2955
Ca 370.602	60212	59927	59890
Cd 226.502	2.1204	2.3866	1.9087
Co 228.615	43.6065	43.5474	44.2471
Cr 267.716	552.123	551.826	551.807
Cu 324.754	658.378	655.921	660.695
Fe 271.441	382511	380811	381732
K 766.491	4403.58	4393.60	4390.73
Mg 279.078	8863.54	8832.34	8856.71
Mn 257.610	5110.68	5086.59	5114.15
Mo 202.032	99.1783	100.041	98.4981
Na 330.237	589.137u	752.366u	550.747u

Label	Replicates Concentration		
Ni 231.604	261.261	256.941	260.080
Pb 220.353	1619.66	1607.59	1606.93
Sb 206.834	10.3562	10.6370	11.4801
Se 196.026	-0.2306	-1.5647	6.8240
Sn 189.925	91.5255	95.7159	97.2655
Sr 216.596	157.385	156.648	158.286
Ti 334.941	646.706	645.324	645.553
Tl 190.794	2.1534u	-0.2089u	-4.7466u
V 292.401	186.311	184.870	185.604
Zn 206.200	2366.47	2353.65	2369.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9812	ppb	0.4092	41.7	41.9534
Al 308.215	55164.3	ppb	85.5296	0.2	434201
As 188.980	90.7300	ppb	1.3460	1.5	56.9973
B 249.678	27.4759	ppb	0.4239	1.5	-460.735
Ba 389.178	740.546	ppb	1.7097	0.2	18942.5
Be 313.042	4.3092	ppb	0.0138	0.3	8819.96
Ca 370.602	60009	ppb	176.5	0.3	174787
Cd 226.502	2.1385	ppb	0.2395	11.2	2065.34
Co 228.615	43.8003	ppb	0.3881	0.9	565.517
Cr 267.716	551.919	ppb	0.1769	0.0	33634.4
Cu 324.754	658.331	ppb	2.3872	0.4	50381.1
Fe 271.441	381685	ppb	851.003	0.2	675728
K 766.491	4395.97	ppb	6.7492	0.2	211434
Mg 279.078	8850.86	ppb	16.3999	0.2	26168.3
Mn 257.610	5103.81	ppb	15.0108	0.3	1283245
Mo 202.032	99.2391	ppb	0.7733	0.8	705.333
Na 330.237	630.750	ppb	107.057	17.0	-97.1746
Ni 231.604	259.427	ppb	2.2326	0.9	903.417
Pb 220.353	1611.39	ppb	7.1625	0.4	2700.06
Sb 206.834	10.8244	ppb	0.5849	5.4	28.5866
Se 196.026	1.6762	ppb	4.5077	268.9	11.1752
Sn 189.925	94.8356	ppb	2.9695	3.1	68.8029
Sr 216.596	157.440	ppb	0.8204	0.5	2547.29
Ti 334.941	645.861	ppb	0.7405	0.1	217174
Tl 190.794	-0.9340	ppb	3.5067	375.4	-71.1532
V 292.401	185.595	ppb	0.7205	0.4	5591.54
Zn 206.200	2363.09	ppb	8.2856	0.4	2692.00

680-109515-a-60-a (Samp) **2/4/2015, 1:05:17 AM** **Rack 3, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	-0.6877u	-0.7415u	-0.4690u
Al 308.215	75210.7	75469.8	74526.4
As 188.980	204.737	200.094	204.725
B 249.678	13.3605u	13.0839u	13.4890u
Ba 389.178	736.006	739.581	729.532
Be 313.042	10.1397	10.1955	10.0866
Ca 370.602	36800	36954	36429
Cd 226.502	-4.2022	-4.0365	-4.4848
Co 228.615	78.1784	79.0889	77.4678
Cr 267.716	661.731	665.951	657.024

Label	Replicates Concentration		
Cu 324.754	302.514	302.992	297.179
Fe 271.441	640539	640157	636958
K 766.491	2100.21	2103.48	2088.80
Mg 279.078	4180.74	4192.13	4137.79
Mn 257.610	7306.26	7333.62	7243.46
Mo 202.032	63.3380	64.5388	62.3823
Na 330.237	415.613u	35.0115u	189.106u
Ni 231.604	161.527	161.404	160.301
Pb 220.353	1029.51	1028.89	1011.54
Sb 206.834	10.5617	15.0592	12.4983
Se 196.026	-0.7211	4.2131	-0.4343
Sn 189.925	49.1928	52.6744	50.7647
Sr 216.596	85.1192	86.0788	84.2640
Ti 334.941	704.850	708.234	700.246
Tl 190.794	0.8758u	1.1134u	-6.1276u
V 292.401	806.122	809.473	802.689
Zn 206.200	1202.08	1207.22	1191.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6327	ppb	0.1444	22.8	-139.863
Al 308.215	75068.9	ppb	487.413	0.6	590845
As 188.980	203.185	ppb	2.6770	1.3	136.185
B 249.678	13.3111	ppb	0.2070	1.6	-1419.38
Ba 389.178	735.040	ppb	5.0937	0.7	19017.5
Be 313.042	10.1406	ppb	0.0545	0.5	21192.7
Ca 370.602	36728	ppb	270.1	0.7	102856
Cd 226.502	-4.2412	ppb	0.2267	5.3	3071.01
Co 228.615	78.2450	ppb	0.8126	1.0	1003.02
Cr 267.716	661.569	ppb	4.4657	0.7	40410.2
Cu 324.754	300.895	ppb	3.2270	1.1	23313.4
Fe 271.441	639218	ppb	1966.53	0.3	1131657
K 766.491	2097.49	ppb	7.7061	0.4	101045
Mg 279.078	4170.22	ppb	28.6561	0.7	12210.4
Mn 257.610	7294.45	ppb	46.2297	0.6	1834259
Mo 202.032	63.4197	ppb	1.0806	1.7	432.476
Na 330.237	213.243	ppb	191.445	89.8	-162.849
Ni 231.604	161.077	ppb	0.6750	0.4	596.419
Pb 220.353	1023.32	ppb	10.2022	1.0	1747.75
Sb 206.834	12.7064	ppb	2.2560	17.8	38.4283
Se 196.026	1.0192	ppb	2.7696	271.7	13.8977
Sn 189.925	50.8773	ppb	1.7435	3.4	34.4603
Sr 216.596	85.1540	ppb	0.9079	1.1	1974.59
Ti 334.941	704.443	ppb	4.0093	0.6	236898
Tl 190.794	-1.3795	ppb	4.1137	298.2	-112.703
V 292.401	806.095	ppb	3.3918	0.4	24908.4
Zn 206.200	1200.12	ppb	8.2530	0.7	1350.09

680-109515-a-49-b ms (Samp) **2/4/2015, 1:09:53 AM** **Rack 3, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	46.1358	46.0827	46.0382
Al 308.215	136405	136017	136321
As 188.980	188.084	186.521	186.945

Label	Replicates Concentration		
B 249.678	118.006	119.011	118.953
Ba 389.178	1333.27	1336.72	1335.92
Be 313.042	56.2394	56.1766	56.2426
Ca 370.602	40667	40702	40753
Cd 226.502	45.1946	44.8961	44.9952
Co 228.615	88.8984	89.1206	90.0274
Cr 267.716	276.660	277.235	277.515
Cu 324.754	255.900	255.491	256.629
Fe 271.441	171558	171458	171732
K 766.491	11962.3	11896.1	11984.4
Mg 279.078	18419.6	18413.2	18421.3
Mn 257.610	6018.70	6007.11	6021.07
Mo 202.032	86.8472	87.1842	86.0089
Na 330.237	5141.10	5017.74	5235.95
Ni 231.604	149.132	149.451	148.260
Pb 220.353	946.991	949.675	948.709
Sb 206.834	20.4586	24.3201	24.3002
Se 196.026	81.5276	66.0384	83.4599
Sn 189.925	235.653	243.219	240.181
Sr 216.596	264.462	264.644	263.188
Ti 334.941	408.152	407.361	408.366
Tl 190.794	38.9097	32.6850	37.1625
V 292.401	366.231	365.955	366.213
Zn 206.200	1139.53	1144.34	1132.42

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.0856	ppb	0.0489	0.1	4281.45
Al 308.215	136247	ppb	204.313	0.1	1071790
As 188.980	187.183	ppb	0.8083	0.4	127.972
B 249.678	118.656	ppb	0.5640	0.5	1853.35
Ba 389.178	1335.30	ppb	1.8062	0.1	33742.7
Be 313.042	56.2195	ppb	0.0372	0.1	118744
Ca 370.602	40707	ppb	43.11	0.1	119577
Cd 226.502	45.0286	ppb	0.1521	0.3	3024.75
Co 228.615	89.3488	ppb	0.5981	0.7	1095.33
Cr 267.716	277.137	ppb	0.4359	0.2	16901.8
Cu 324.754	256.007	ppb	0.5765	0.2	19698.4
Fe 271.441	171582	ppb	138.445	0.1	303784
K 766.491	11947.6	ppb	45.9694	0.4	574115
Mg 279.078	18418.0	ppb	4.2777	0.0	54525.9
Mn 257.610	6015.63	ppb	7.4714	0.1	1511597
Mo 202.032	86.6801	ppb	0.6052	0.7	624.729
Na 330.237	5131.60	ppb	109.412	2.1	243.486
Ni 231.604	148.948	ppb	0.6168	0.4	512.213
Pb 220.353	948.458	ppb	1.3592	0.1	1590.10
Sb 206.834	23.0263	ppb	2.2237	9.7	39.2553
Se 196.026	77.0086	ppb	9.5495	12.4	46.5386
Sn 189.925	239.684	ppb	3.8074	1.6	181.966
Sr 216.596	264.098	ppb	0.7937	0.3	3610.21
Ti 334.941	407.960	ppb	0.5296	0.1	137181
Tl 190.794	36.2524	ppb	3.2106	8.9	9.6499
V 292.401	366.133	ppb	0.1548	0.0	11348.5
Zn 206.200	1138.76	ppb	5.9975	0.5	1298.06

680-109515-a-49-c ms (Samp) **2/4/2015, 1:14:28 AM** **Rack 3, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	48.2950	48.4030	48.4659
Al 308.215	157049	157291	157010
As 188.980	200.544	202.617	199.877
B 249.678	126.787	127.948	127.276
Ba 389.178	1143.47	1140.13	1140.31
Be 313.042	57.8937	57.9149	57.6567
Ca 370.602	38794	38763	38827
Cd 226.502	46.2876	46.2308	46.0653
Co 228.615	84.7789	85.5144	85.5073
Cr 267.716	312.910	313.080	313.192
Cu 324.754	294.482	292.524	293.496
Fe 271.441	189868	189952	189559
K 766.491	13527.4	13469.7	13387.9
Mg 279.078	19623.7	19653.9	19645.9
Mn 257.610	6207.39	6222.72	6213.00
Mo 202.032	89.1861	90.0711	89.6830
Na 330.237	5441.06	5411.46	5407.68
Ni 231.604	163.490	167.080	163.801
Pb 220.353	957.009	975.250	973.488
Sb 206.834	25.8335	25.0595	28.8242
Se 196.026	68.7086	83.0530	74.3227
Sn 189.925	247.523	252.428	250.441
Sr 216.596	263.235	264.511	265.248
Ti 334.941	477.308	477.737	475.261
Tl 190.794	34.8435	37.4307	34.7024
V 292.401	378.640	378.291	378.476
Zn 206.200	1260.98	1272.33	1259.70

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.3880	ppb	0.0864	0.2	4493.51
Al 308.215	157117	ppb	151.995	0.1	1235899
As 188.980	201.012	ppb	1.4286	0.7	137.801
B 249.678	127.337	ppb	0.5827	0.5	1970.99
Ba 389.178	1141.30	ppb	1.8766	0.2	28881.7
Be 313.042	57.8218	ppb	0.1433	0.2	122138
Ca 370.602	38795	ppb	32.14	0.1	113727
Cd 226.502	46.1946	ppb	0.1155	0.3	3173.54
Co 228.615	85.2669	ppb	0.4226	0.5	1048.84
Cr 267.716	313.061	ppb	0.1419	0.0	19086.2
Cu 324.754	293.501	ppb	0.9790	0.3	22556.9
Fe 271.441	189793	ppb	206.771	0.1	336023
K 766.491	13461.7	ppb	70.1232	0.5	646830
Mg 279.078	19641.2	ppb	15.6340	0.1	58145.1
Mn 257.610	6214.37	ppb	7.7538	0.1	1561585
Mo 202.032	89.6467	ppb	0.4436	0.5	645.269
Na 330.237	5420.06	ppb	18.2797	0.3	251.486
Ni 231.604	164.790	ppb	1.9890	1.2	567.226
Pb 220.353	968.583	ppb	10.0614	1.0	1624.33
Sb 206.834	26.5724	ppb	1.9882	7.5	45.2850
Se 196.026	75.3614	ppb	7.2284	9.6	45.9551
Sn 189.925	250.131	ppb	2.4673	1.0	190.127
Sr 216.596	264.331	ppb	1.0181	0.4	3637.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	476.769	ppb	1.3230	0.3	160323
Tl 190.794	35.6589	ppb	1.5361	4.3	5.9340
V 292.401	378.469	ppb	0.1747	0.0	11724.6
Zn 206.200	1264.34	ppb	6.9497	0.5	1441.13

CRI (Samp) **2/4/2015, 1:19:04 AM** **Rack 3, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	9.8423	10.0889	9.7185
Al 308.215	203.622	203.994	205.792
As 188.980	21.7858	16.6435	22.8825
B 249.678	99.7442	98.7284	99.2399
Ba 389.178	9.3899	9.1713	8.9159
Be 313.042	4.0966	4.0683	4.0958
Ca 370.602	503.9	492.9	498.7
Cd 226.502	4.8511	4.8653	4.8628
Co 228.615	9.8008	9.9245	9.7774
Cr 267.716	9.9760	10.0697	10.0321
Cu 324.754	21.1944	21.0047	20.7808
Fe 271.441	56.6862	59.5833	62.5279
K 766.491	1061.74	1059.63	1070.80
Mg 279.078	506.234	499.695	504.479
Mn 257.610	10.8447	10.8856	10.9536
Mo 202.032	10.0242	9.8868	9.3591
Na 330.237	944.055	875.965	924.183
Ni 231.604	38.7308	40.1188	38.7526
Pb 220.353	10.4870	6.0628	8.7304
Sb 206.834	19.3075	22.9481	22.3258
Se 196.026	25.2483	15.5750	22.4202
Sn 189.925	45.6320	50.1798	47.1697
Sr 216.596	9.6446	9.8615	9.5201
Ti 334.941	10.0098	9.9071	10.0100
Tl 190.794	24.7126	26.2409	24.7773
V 292.401	10.7513	10.3339	10.6034
Zn 206.200	20.3351	20.5998	18.3468

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.8832	ppb	0.1885	1.9	918.864
Al 308.215	204.469	ppb	1.1604	0.6	1954.39
As 188.980	20.4373	ppb	3.3309	16.3	9.1051
B 249.678	99.2375	ppb	0.5079	0.5	1937.94
Ba 389.178	9.1590	ppb	0.2372	2.6	193.294
Be 313.042	4.0869	ppb	0.0161	0.4	8341.54
Ca 370.602	498.5	ppb	5.472	1.1	1504
Cd 226.502	4.8597	ppb	0.0076	0.2	252.111
Co 228.615	9.8342	ppb	0.0791	0.8	114.588
Cr 267.716	10.0259	ppb	0.0471	0.5	620.588
Cu 324.754	20.9933	ppb	0.2070	1.0	1757.78
Fe 271.441	59.5992	ppb	2.9209	4.9	118.060
K 766.491	1064.06	ppb	5.9325	0.6	51413.0
Mg 279.078	503.469	ppb	3.3846	0.7	1517.60
Mn 257.610	10.8946	ppb	0.0550	0.5	2797.48
Mo 202.032	9.7567	ppb	0.3511	3.6	76.8546

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	914.734	ppb	35.0146	3.8	81.7662
Ni 231.604	39.2007	ppb	0.7951	2.0	127.348
Pb 220.353	8.4267	ppb	2.2277	26.4	27.4140
Sb 206.834	21.5271	ppb	1.9473	9.0	31.4623
Se 196.026	21.0812	ppb	4.9737	23.6	15.7701
Sn 189.925	47.6605	ppb	2.3133	4.9	31.9490
Sr 216.596	9.6754	ppb	0.1728	1.8	123.465
Ti 334.941	9.9756	ppb	0.0593	0.6	3301.97
Tl 190.794	25.2436	ppb	0.8643	3.4	21.7220
V 292.401	10.5629	ppb	0.2117	2.0	320.467
Zn 206.200	19.7606	ppb	1.2315	6.2	23.2952

mb 680-369315/1-a (Samp) **2/4/2015, 1:23:39 AM** **Rack 3, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	-0.0844u	-0.1048u	-0.2190u
Al 308.215	5.0418	3.9989	6.4837
As 188.980	-1.0000u	1.8035	-1.9093u
B 249.678	1.3073	1.0455	1.3458
Ba 389.178	-0.4880u	-1.2175u	-0.9481u
Be 313.042	0.0033	-0.0018u	-0.0004u
Ca 370.602	11.03	10.26	10.77
Cd 226.502	-0.0148u	0.0551	0.0585
Co 228.615	0.5954	0.1461	-0.0837u
Cr 267.716	0.7271	0.6639	0.5770
Cu 324.754	0.2789	0.1019	0.2961
Fe 271.441	6.2009	7.7852	7.8789
K 766.491	8.8108	8.9243	9.0235
Mg 279.078	1.6959	3.7875	5.4186
Mn 257.610	0.2861	0.2702	0.2757
Mo 202.032	0.2467	-0.2880u	0.3197
Na 330.237	-146.197u	-124.208u	35.4134
Ni 231.604	0.0183	1.2269	0.2707
Pb 220.353	-1.8585u	-2.7254u	-0.2986u
Sb 206.834	0.8882	1.1881	1.8710
Se 196.026	-1.0524u	4.0537	1.6680
Sn 189.925	7.9386	9.0700	12.5351
Sr 216.596	-0.0286u	0.2719	0.1953
Ti 334.941	0.2937	0.2647	0.2382
Tl 190.794	0.2404	0.4573	0.1657
V 292.401	-0.3795u	-0.1394u	-0.0686u
Zn 206.200	5.3817	4.6591	4.5906

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1361	ppb	0.0726	53.3	-13.2676
Al 308.215	5.1748	ppb	1.2477	24.1	385.396
As 188.980	-0.3686	ppb	1.9353	525.0	-5.8780
B 249.678	1.2329	ppb	0.1634	13.3	55.0946
Ba 389.178	-0.8845	ppb	0.3689	41.7	-60.6339
Be 313.042	0.0003	ppb	0.0026	792.5	-309.464
Ca 370.602	10.69	ppb	0.3902	3.7	48.90
Cd 226.502	0.0329	ppb	0.0414	125.8	23.3779
Co 228.615	0.2193	ppb	0.3454	157.5	-1.5853

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.6560	ppb	0.0754	11.5	53.8154
Cu 324.754	0.2256	ppb	0.1075	47.6	178.749
Fe 271.441	7.2883	ppb	0.9429	12.9	24.1147
K 766.491	8.9195	ppb	0.1064	1.2	738.109
Mg 279.078	3.6340	ppb	1.8661	51.4	33.5724
Mn 257.610	0.2773	ppb	0.0080	2.9	126.389
Mo 202.032	0.0928	ppb	0.3318	357.6	6.9128
Na 330.237	-78.3306	ppb	99.1168	126.5	26.4392
Ni 231.604	0.5053	ppb	0.6375	126.2	-2.7751
Pb 220.353	-1.6275	ppb	1.2298	75.6	10.8324
Sb 206.834	1.3158	ppb	0.5037	38.3	1.6065
Se 196.026	1.5565	ppb	2.5549	164.1	6.1283
Sn 189.925	9.8479	ppb	2.3950	24.3	2.4080
Sr 216.596	0.1462	ppb	0.1561	106.8	3.1363
Ti 334.941	0.2655	ppb	0.0278	10.5	36.2667
Tl 190.794	0.2878	ppb	0.1515	52.6	-7.8828
V 292.401	-0.1958	ppb	0.1629	83.2	-13.6454
Zn 206.200	4.8771	ppb	0.4383	9.0	6.2695

lcs 680-369315/2-a (Samp) **2/4/2015, 1:28:15 AM** **Rack 3, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	47.2575	47.6645	46.2373
Al 308.215	4693.14	4739.12	4646.83
As 188.980	98.1414	102.270	95.4526
B 249.678	182.279	185.382	181.080
Ba 389.178	93.8752	94.4724	91.7945
Be 313.042	48.6668	49.1503	48.1850
Ca 370.602	4688	4759	4670
Cd 226.502	47.4818	47.9017	47.0136
Co 228.615	47.5451	48.8180	47.5692
Cr 267.716	98.3136	99.4207	97.1046
Cu 324.754	99.0194	100.053	98.1777
Fe 271.441	4667.86	4722.83	4619.94
K 766.491	5046.11	5067.03	4982.47
Mg 279.078	4748.81	4795.55	4706.03
Mn 257.610	495.724	501.121	490.808
Mo 202.032	94.9184	94.9371	94.0402
Na 330.237	4624.92	4458.13	4724.33
Ni 231.604	93.0104	96.3237	95.1004
Pb 220.353	467.973	471.881	464.009
Sb 206.834	46.9370	49.2012	46.5851
Se 196.026	97.2120	100.034	94.4580
Sn 189.925	193.640	197.425	190.541
Sr 216.596	92.3120	93.0938	91.1183
Ti 334.941	95.3215	95.9065	93.9340
Tl 190.794	40.7516	39.8377	35.3846
V 292.401	97.5976	97.9889	96.7612
Zn 206.200	96.7388	99.6580	94.4649

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.0531	ppb	0.7352	1.6	4376.95
Al 308.215	4693.03	ppb	46.1449	1.0	37265.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	98.6214	ppb	3.4340	3.5	65.3621
B 249.678	182.914	ppb	2.2199	1.2	3533.44
Ba 389.178	93.3807	ppb	1.4058	1.5	2326.37
Be 313.042	48.6674	ppb	0.4826	1.0	102718
Ca 370.602	4705	ppb	46.94	1.0	14019
Cd 226.502	47.4657	ppb	0.4443	0.9	2292.07
Co 228.615	47.9775	ppb	0.7281	1.5	575.586
Cr 267.716	98.2796	ppb	1.1584	1.2	5963.32
Cu 324.754	99.0835	ppb	0.9395	0.9	7698.53
Fe 271.441	4670.21	ppb	51.4816	1.1	8286.18
K 766.491	5031.87	ppb	44.0412	0.9	241974
Mg 279.078	4750.13	ppb	44.7733	0.9	14116.0
Mn 257.610	495.884	ppb	5.1588	1.0	124653
Mo 202.032	94.6319	ppb	0.5126	0.5	690.934
Na 330.237	4602.46	ppb	134.514	2.9	285.445
Ni 231.604	94.8115	ppb	1.6754	1.8	314.709
Pb 220.353	467.954	ppb	3.9360	0.8	786.092
Sb 206.834	47.5745	ppb	1.4198	3.0	69.7917
Se 196.026	97.2346	ppb	2.7880	2.9	53.5294
Sn 189.925	193.869	ppb	3.4476	1.8	146.174
Sr 216.596	92.1747	ppb	0.9948	1.1	1178.89
Ti 334.941	95.0540	ppb	1.0131	1.1	31916.5
Tl 190.794	38.6580	ppb	2.8714	7.4	37.0706
V 292.401	97.4492	ppb	0.6271	0.6	3014.81
Zn 206.200	96.9539	ppb	2.6032	2.7	111.354

Cont Calib Verif (CCV) **2/4/2015, 1:32:51 AM** **Rack 3, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	471.157	478.517	476.714
Al 308.215	4711.87	4737.46	4760.76
As 188.980	477.457	476.423	477.486
B 249.678	474.041	478.432	480.769
Ba 389.178	4717.71	4741.35	4750.53
Be 313.042	482.286	485.119	485.871
Ca 370.602	4741	4741	4787
Cd 226.502	469.968	473.634	475.979
Co 228.615	480.746	483.441	487.001
Cr 267.716	4851.66	4881.19	4902.55
Cu 324.754	4955.03	4988.28	5059.37
Fe 271.441	4679.97	4689.26	4713.05
K 766.491	10196.5	10254.8	10292.0
Mg 279.078	4812.40	4833.51	4864.75
Mn 257.610	4824.47	4852.86	4885.19
Mo 202.032	470.828	474.945	479.128
Na 330.237	7197.79	7271.29	7380.73
Ni 231.604	2370.85	2364.07	2374.96
Pb 220.353	470.370	469.145	475.814
Sb 206.834	928.089	934.985	944.680
Se 196.026	4740.42	4757.23	4792.98
Sn 189.925	4743.20	4768.78	4791.82
Sr 216.596	2327.65	2349.55	2357.21
Ti 334.941	467.342	470.815	472.244

Label	Replicates Concentration		
Tl 190.794	4784.68	4804.52	4816.66
V 292.401	4815.34	4835.52	4868.60
Zn 206.200	2338.60	2347.21	2362.98

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	475.463	ppb	3.8359	0.8	44198.7	95.09253
Al 308.215	4736.70	ppb	24.4535	0.5	38351.7	94.73392
As 188.980	477.122	ppb	0.6057	0.1	337.877	95.42443
B 249.678	477.747	ppb	3.4157	0.7	9212.28	95.54945
Ba 389.178	4736.53	ppb	16.9317	0.4	119133	94.73058
Be 313.042	484.425	ppb	1.8903	0.4	1025526	96.88506
Ca 370.602	4756	ppb	26.57	0.6	14500	95.12598
Cd 226.502	473.194	ppb	3.0299	0.6	22442.5	94.63873
Co 228.615	483.729	ppb	3.1372	0.6	5849.13	96.74585
Cr 267.716	4878.46	ppb	25.5556	0.5	295098	97.56927
Cu 324.754	5000.89	ppb	53.2993	1.1	380279	100.01788
Fe 271.441	4694.10	ppb	17.0600	0.4	8429.78	93.88190
K 766.491	10247.8	ppb	48.1134	0.5	492476	102.47758
Mg 279.078	4836.89	ppb	26.3398	0.5	14274.5	96.73770
Mn 257.610	4854.17	ppb	30.3803	0.6	1219208	97.08346
Mo 202.032	474.967	ppb	4.1501	0.9	3438.69	94.99340
Na 330.237	7283.27	ppb	92.0557	1.3	380.555	97.11031
Ni 231.604	2369.96	ppb	5.5005	0.2	7965.48	94.79842
Pb 220.353	471.776	ppb	3.5501	0.8	796.510	94.35527
Sb 206.834	935.918	ppb	8.3351	0.9	1442.43	93.59178
Se 196.026	4763.54	ppb	26.8410	0.6	2358.19	95.27084
Sn 189.925	4767.93	ppb	24.3253	0.5	3719.61	95.35868
Sr 216.596	2344.80	ppb	15.3390	0.7	29779.7	93.79211
Ti 334.941	470.134	ppb	2.5212	0.5	158027	94.02675
Tl 190.794	4801.95	ppb	16.1445	0.3	5696.90	96.03909
V 292.401	4839.82	ppb	26.8905	0.6	151141	96.79641
Zn 206.200	2349.60	ppb	12.3625	0.5	2681.35	93.98389

Cont Calib Blank (CCB) **2/4/2015, 1:37:27 AM** **Rack 3, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	467.780	474.775	464.689
Al 308.215	4664.99	4690.82	4644.94
As 188.980	470.363	471.279	471.369
B 249.678	471.507	474.639	469.812
Ba 389.178	4657.73	4687.81	4648.81
Be 313.042	478.687	478.531	475.809
Ca 370.602	4707	4722	4688
Cd 226.502	465.738	468.099	463.454
Co 228.615	476.809	477.519	474.067
Cr 267.716	4796.87	4828.64	4783.15
Cu 324.754	4890.29	4992.89	4880.62
Fe 271.441	4614.23	4634.31	4594.18
K 766.491	10063.5	10127.3	10036.2
Mg 279.078	4747.09	4783.97	4741.87
Mn 257.610	4777.44	4816.69	4757.81
Mo 202.032	468.429	468.861	466.735
Na 330.237	7178.84	7291.71	6976.66

Label	Replicates Concentration		
Ni 231.604	2339.53	2357.40	2330.67
Pb 220.353	457.478	466.987	464.650
Sb 206.834	933.391	932.983	918.264
Se 196.026	4687.22	4700.96	4677.42
Sn 189.925	4743.08	4710.22	4700.13
Sr 216.596	2296.75	2312.16	2290.95
Ti 334.941	460.810	464.130	460.838
Tl 190.794	4726.59	4763.59	4717.84
V 292.401	4761.60	4789.24	4746.19
Zn 206.200	2310.36	2335.41	2302.01

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	469.081	ppb	5.1672	1.1	43606.1	469.08133Z
Al 308.215	4666.92	ppb	22.9980	0.5	37790.4	4666.91699Z
As 188.980	471.004	ppb	0.5567	0.1	333.474	471.00369Z
B 249.678	471.986	ppb	2.4487	0.5	9101.65	471.98602Z
Ba 389.178	4664.78	ppb	20.4341	0.4	117328	4664.77979Z
Be 313.042	477.676	ppb	1.6181	0.3	1011232	477.67557Z
Ca 370.602	4706	ppb	17.18	0.4	143444	705.78271Z
Cd 226.502	465.764	ppb	2.3230	0.5	22090.3	465.76382Z
Co 228.615	476.132	ppb	1.8234	0.4	5757.14	476.13187Z
Cr 267.716	4802.89	ppb	23.3345	0.5	290527	4802.88867Z
Cu 324.754	4921.27	ppb	62.2169	1.3	374227	4921.26563Z
Fe 271.441	4614.24	ppb	20.0647	0.4	8286.67	4614.23682Z
K 766.491	10075.7	ppb	46.7386	0.5	484211	0075.66992Z
Mg 279.078	4757.64	ppb	22.9489	0.5	14040.8	4757.64355Z
Mn 257.610	4783.98	ppb	29.9754	0.6	1201579	4783.98145Z
Mo 202.032	468.008	ppb	1.1238	0.2	3388.42	468.00830Z
Na 330.237	7149.07	ppb	159.620	2.2	373.946	7149.06689Z
Ni 231.604	2342.53	ppb	13.6170	0.6	7873.24	2342.53101Z
Pb 220.353	463.038	ppb	4.9553	1.1	782.008	463.03824Z
Sb 206.834	928.213	ppb	8.6181	0.9	1429.91	928.21259Z
Se 196.026	4688.54	ppb	11.8262	0.3	2321.14	4688.53662Z
Sn 189.925	4717.81	ppb	22.4587	0.5	3680.45	4717.80762Z
Sr 216.596	2299.95	ppb	10.9576	0.5	29209.6	2299.95361Z
Ti 334.941	461.926	ppb	1.9089	0.4	155267	461.92603Z
Tl 190.794	4736.01	ppb	24.2814	0.5	5618.54	4736.00830Z
V 292.401	4765.68	ppb	21.8135	0.5	148827	4765.68066Z
Zn 206.200	2315.93	ppb	17.3804	0.8	2642.98	2315.92627Z

680-109497-e-4-a (Samp) **2/4/2015, 1:42:02 AM** **Rack 3, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-1.7621u	-2.1232u	-2.5516u
Al 308.215	97196.2	99500.2	99966.2
As 188.980	290.478	285.900	288.138
B 249.678	8.6480u	7.4440u	6.5093u
Ba 389.178	198.578	203.307	205.072
Be 313.042	3.0551	3.1271	3.1641
Ca 370.602	12460	12774	12845
Cd 226.502	-5.1202	-4.2635	-4.2492
Co 228.615	77.7313	78.9882	80.0261
Cr 267.716	260.511	266.225	268.549

Label	Replicates Concentration		
Cu 324.754	171.999	176.906	177.001
Fe 271.441	351914	359036	359551
K 766.491	3926.48	4021.36	4033.24
Mg 279.078	2374.41	2421.84	2440.44
Mn 257.610	7910.05	8084.58	8145.24
Mo 202.032	9.6005	8.5888	9.4292
Na 330.237	88.3134u	-46.6200u	-235.305u
Ni 231.604	34.6860	36.6788	36.3192
Pb 220.353	135.983	142.387	145.543
Sb 206.834	6.0481	3.7112	6.5769
Se 196.026	-6.2043	6.6369	-1.7702
Sn 189.925	21.4146	18.6725	18.9537
Sr 216.596	38.2077	38.6646	40.2813
Ti 334.941	3468.52	3535.92	3556.91
Tl 190.794	4.3219u	3.8660u	3.2305u
V 292.401	461.956	472.812	475.403
Zn 206.200	119.398	123.418	124.384

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1457	ppb	0.3952	18.4	-221.679
Al 308.215	98887.5	ppb	1483.17	1.5	778052
As 188.980	288.172	ppb	2.2890	0.8	199.421
B 249.678	7.5338	ppb	1.0722	14.2	-776.833
Ba 389.178	202.319	ppb	3.3579	1.7	5367.25
Be 313.042	3.1154	ppb	0.0554	1.8	6312.33
Ca 370.602	12693	ppb	204.9	1.6	35742
Cd 226.502	-4.5443	ppb	0.4988	11.0	1615.67
Co 228.615	78.9152	ppb	1.1491	1.5	1054.35
Cr 267.716	265.095	ppb	4.1363	1.6	16290.1
Cu 324.754	175.302	ppb	2.8608	1.6	13641.8
Fe 271.441	356833	ppb	4268.28	1.2	631740
K 766.491	3993.69	ppb	58.5100	1.5	192114
Mg 279.078	2412.23	ppb	34.0492	1.4	6962.82
Mn 257.610	8046.63	ppb	122.104	1.5	2022169
Mo 202.032	9.2062	ppb	0.5414	5.9	54.5109
Na 330.237	-64.5372	ppb	162.551	251.9	-74.2594
Ni 231.604	35.8946	ppb	1.0621	3.0	149.194
Pb 220.353	141.304	ppb	4.8713	3.4	270.327
Sb 206.834	5.4454	ppb	1.5250	28.0	17.9477
Se 196.026	-0.4458	ppb	6.5223	1462.9	10.6148
Sn 189.925	19.6803	ppb	1.5086	7.7	10.0886
Sr 216.596	39.0512	ppb	1.0895	2.8	994.214
Ti 334.941	3520.45	ppb	46.1813	1.3	1183665
Tl 190.794	3.8061	ppb	0.5481	14.4	-58.6703
V 292.401	470.057	ppb	7.1344	1.5	14567.5
Zn 206.200	122.400	ppb	2.6439	2.2	127.008

680-109497-e-4-aSD^5 (Samp) **2/4/2015, 1:46:38 AM** **Rack 3, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-0.6040u	-0.6482u	-0.5922u
Al 308.215	19531.7	19326.3	19466.9
As 188.980	58.5944	55.6514	55.0080

Label	Replicates Concentration		
B 249.678	2.8765u	2.4564u	2.7407u
Ba 389.178	40.9458	40.4346	39.8474
Be 313.042	0.6080	0.5953	0.6026
Ca 370.602	2567	2544	2555
Cd 226.502	-1.1525	-1.0197	-1.2277
Co 228.615	16.3169	15.6484	16.0614
Cr 267.716	53.6725	53.2187	53.4183
Cu 324.754	34.5589	33.9891	33.9772
Fe 271.441	73447.0	72626.8	72906.9
K 766.491	747.181	739.813	744.622
Mg 279.078	505.901	500.604	507.479
Mn 257.610	1690.67	1672.87	1681.10
Mo 202.032	1.8275	1.5151	2.0816
Na 330.237	-25.8750u	-26.7259u	39.5144u
Ni 231.604	8.3554	7.3722	6.7462
Pb 220.353	28.8534	27.6910	24.8738
Sb 206.834	1.3069	2.2316	2.4704
Se 196.026	2.3813	1.2727	-6.4847u
Sn 189.925	2.4444	2.1514	4.2880
Sr 216.596	8.3721	8.0239	7.8929
Ti 334.941	725.536	716.573	720.840
Tl 190.794	0.4895u	2.4142u	1.1173u
V 292.401	95.3125	93.8809	93.8017
Zn 206.200	23.8358	26.1179	23.9017

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6148	ppb	0.0295	4.8	-62.0089
Al 308.215	19441.6	ppb	104.984	0.5	153245
As 188.980	56.4179	ppb	1.9121	3.4	34.5063
B 249.678	2.6912	ppb	0.2144	8.0	-111.936
Ba 389.178	40.4092	ppb	0.5496	1.4	1042.86
Be 313.042	0.6020	ppb	0.0064	1.1	969.781
Ca 370.602	2555	ppb	11.37	0.4	7204
Cd 226.502	-1.1333	ppb	0.1053	9.3	338.408
Co 228.615	16.0089	ppb	0.3373	2.1	210.720
Cr 267.716	53.4365	ppb	0.2274	0.4	3295.90
Cu 324.754	34.1751	ppb	0.3324	1.0	2791.06
Fe 271.441	72993.6	ppb	416.898	0.6	129237
K 766.491	743.872	ppb	3.7407	0.5	36035.5
Mg 279.078	504.662	ppb	3.6011	0.7	1475.23
Mn 257.610	1681.55	ppb	8.9092	0.5	422623
Mo 202.032	1.8080	ppb	0.2837	15.7	15.5709
Na 330.237	-4.3622	ppb	38.0006	871.1	9.9323
Ni 231.604	7.4913	ppb	0.8112	10.8	27.4638
Pb 220.353	27.1394	ppb	2.0464	7.5	63.1570
Sb 206.834	2.0030	ppb	0.6146	30.7	4.7015
Se 196.026	-0.9436	ppb	4.8307	512.0	6.0234
Sn 189.925	2.9613	ppb	1.1583	39.1	-2.9723
Sr 216.596	8.0963	ppb	0.2477	3.1	206.005
Ti 334.941	720.983	ppb	4.4832	0.6	242371
Tl 190.794	1.3403	ppb	0.9815	73.2	-17.8665
V 292.401	94.3317	ppb	0.8503	0.9	2916.97
Zn 206.200	24.6185	ppb	1.2989	5.3	26.0446

680-109497-e-4-aPDS (Samp) **2/4/2015, 1:51:14 AM** **Rack 3, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	63.9944	65.1678	64.0468
Al 308.215	97834.6	97588.3	97619.6
As 188.980	359.791	348.459	362.786
B 249.678	145.273	146.123	147.520
Ba 389.178	261.011	260.746	260.411
Be 313.042	75.7964	75.8126	75.7203
Ca 370.602	19432	19384	19325
Cd 226.502	64.5056	64.8744	64.9500
Co 228.615	146.237	146.977	147.323
Cr 267.716	331.729	331.493	330.734
Cu 324.754	247.689	247.785	249.724
Fe 271.441	354774	355334	353517
K 766.491	12034.6	11981.3	11982.4
Mg 279.078	9321.92	9326.44	9336.79
Mn 257.610	8557.77	8541.56	8507.50
Mo 202.032	79.4726	80.3807	79.5953
Na 330.237	6609.51	6591.60	6614.25
Ni 231.604	104.150	102.228	103.155
Pb 220.353	210.901	204.108	210.662
Sb 206.834	76.3489	73.8056	72.3403
Se 196.026	66.4300	61.4488	70.9350
Sn 189.925	84.4558	86.5080	90.1858
Sr 216.596	105.371	106.659	105.220
Ti 334.941	3514.09	3518.40	3511.34
Tl 190.794	18.0101u	17.0068u	17.5531u
V 292.401	534.557	533.866	533.347
Zn 206.200	189.053	190.233	187.706

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	64.4030	ppb	0.6629	1.0	5972.23
Al 308.215	97680.8	ppb	134.063	0.1	768575
As 188.980	357.012	ppb	7.5570	2.1	248.998
B 249.678	146.305	ppb	1.1348	0.8	1895.02
Ba 389.178	260.722	ppb	0.3006	0.1	6851.43
Be 313.042	75.7764	ppb	0.0493	0.1	160141
Ca 370.602	19380	ppb	53.95	0.3	55663
Cd 226.502	64.7767	ppb	0.2378	0.4	4887.57
Co 228.615	146.845	ppb	0.5546	0.4	1873.43
Cr 267.716	331.319	ppb	0.5198	0.2	20296.6
Cu 324.754	248.399	ppb	1.1483	0.5	19199.8
Fe 271.441	354541	ppb	930.618	0.3	627692
K 766.491	11999.4	ppb	30.4304	0.3	576603
Mg 279.078	9328.38	ppb	7.6218	0.1	27490.4
Mn 257.610	8535.61	ppb	25.6591	0.3	2145030
Mo 202.032	79.8162	ppb	0.4927	0.6	565.673
Na 330.237	6605.12	ppb	11.9496	0.2	298.736
Ni 231.604	103.178	ppb	0.9612	0.9	375.132
Pb 220.353	208.557	ppb	3.8545	1.8	381.244
Sb 206.834	74.1649	ppb	2.0283	2.7	119.250
Se 196.026	66.2713	ppb	4.7451	7.2	43.6595
Sn 189.925	87.0499	ppb	2.9032	3.3	62.7227
Sr 216.596	105.750	ppb	0.7910	0.7	1840.45

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	3514.61	ppb	3.5581	0.1	1181715
Tl 190.794	17.5233	ppb	0.5023	2.9	-41.7577
V 292.401	533.923	ppb	0.6071	0.1	16547.5
Zn 206.200	188.997	ppb	1.2644	0.7	203.215

680-109497-e-4-b ms (Samp) **2/4/2015, 1:55:50 AM** **Rack 3, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	46.3788	46.9282	46.3521
Al 308.215	118284	118326	118273
As 188.980	318.337	310.996	320.190
B 249.678	194.365	193.947	193.810
Ba 389.178	504.174	502.778	503.718
Be 313.042	50.4526	50.5105	50.5962
Ca 370.602	136443	136869	136051
Cd 226.502	41.6305	41.7464	41.9322
Co 228.615	157.286	157.731	157.387
Cr 267.716	251.526	251.499	251.635
Cu 324.754	296.409	295.285	295.504
Fe 271.441	310201	310003	310124
K 766.491	12087.1	11745.7	12237.4
Mg 279.078	11412.6	11411.3	11390.5
Mn 257.610	9244.17	9210.68	9193.78
Mo 202.032	95.1978	95.7038	95.8712
Na 330.237	5502.75	5247.35	5162.73
Ni 231.604	147.888	144.420	147.467
Pb 220.353	605.153	602.120	602.785
Sb 206.834	25.3280	31.1686	25.9575
Se 196.026	73.9451	86.4045	91.0313
Sn 189.925	196.422	188.228	193.746
Sr 216.596	285.345	286.980	287.088
Ti 334.941	4290.65	4289.69	4302.31
Tl 190.794	38.3579u	41.3932	34.1126u
V 292.401	512.753	511.575	512.528
Zn 206.200	352.626	348.210	347.600

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.5530	ppb	0.3251	0.7	4316.26
Al 308.215	118294	ppb	27.9145	0.0	930657
As 188.980	316.508	ppb	4.8622	1.5	220.137
B 249.678	194.041	ppb	0.2889	0.1	2931.23
Ba 389.178	503.557	ppb	0.7117	0.1	12925.5
Be 313.042	50.5198	ppb	0.0723	0.1	106716
Ca 370.602	136454	ppb	409.0	0.3	404705
Cd 226.502	41.7697	ppb	0.1522	0.4	3568.39
Co 228.615	157.468	ppb	0.2330	0.1	2015.24
Cr 267.716	251.553	ppb	0.0721	0.0	15453.5
Cu 324.754	295.733	ppb	0.5962	0.2	22778.9
Fe 271.441	310109	ppb	99.7060	0.0	549033
K 766.491	12023.4	ppb	251.956	2.1	577755
Mg 279.078	11404.8	ppb	12.3874	0.1	33633.1
Mn 257.610	9216.21	ppb	25.6434	0.3	2315821
Mo 202.032	95.5909	ppb	0.3506	0.4	682.137

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	5304.28	ppb	177.016	3.3	234.178
Ni 231.604	146.592	ppb	1.8925	1.3	516.947
Pb 220.353	603.353	ppb	1.5940	0.3	1029.03
Sb 206.834	27.4847	ppb	3.2058	11.7	47.9883
Se 196.026	83.7936	ppb	8.8373	10.5	52.0380
Sn 189.925	192.798	ppb	4.1783	2.2	145.337
Sr 216.596	286.471	ppb	0.9767	0.3	4124.97
Ti 334.941	4294.22	ppb	7.0219	0.2	1443837
Tl 190.794	37.9546	ppb	3.6570	9.6	-9.5902
V 292.401	512.285	ppb	0.6250	0.1	15896.6
Zn 206.200	349.479	ppb	2.7427	0.8	388.882

680-109497-e-4-c msd (Samp) **2/4/2015, 2:00:25 AM** **Rack 3, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	45.2666	45.7896	45.8784
Al 308.215	105179	105101	105222
As 188.980	342.878	333.936	339.253
B 249.678	167.228	166.008	167.216
Ba 389.178	290.417	290.464	290.923
Be 313.042	51.5143	51.5119	51.4813
Ca 370.602	22297	22309	22288
Cd 226.502	41.3376	40.8596	41.7224
Co 228.615	119.306	119.842	120.026
Cr 267.716	401.698	400.853	400.728
Cu 324.754	269.658	271.100	271.299
Fe 271.441	403293	403396	403038
K 766.491	9083.16	9077.96	9066.09
Mg 279.078	6788.78	6781.20	6787.87
Mn 257.610	7837.54	7826.26	7864.02
Mo 202.032	92.3949	93.1628	91.6978
Na 330.237	4692.90	4746.81	4633.25
Ni 231.604	115.832	116.921	116.192
Pb 220.353	592.549	591.679	594.929
Sb 206.834	23.9587	19.3096	26.1326
Se 196.026	72.6030	73.0892	79.8053
Sn 189.925	198.577	195.091	202.102
Sr 216.596	132.424	133.217	132.651
Ti 334.941	4343.79	4334.98	4350.22
Tl 190.794	43.7843u	40.7056u	37.4291u
V 292.401	623.363	621.065	621.588
Zn 206.200	206.354	200.339	205.321

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	45.6449	ppb	0.3306	0.7	4212.70
Al 308.215	105168	ppb	61.0276	0.1	827465
As 188.980	338.689	ppb	4.4976	1.3	235.452
B 249.678	166.818	ppb	0.7010	0.4	2159.03
Ba 389.178	290.601	ppb	0.2796	0.1	7639.33
Be 313.042	51.5025	ppb	0.0184	0.0	108753
Ca 370.602	22298	ppb	10.36	0.0	64180
Cd 226.502	41.3066	ppb	0.4322	1.0	4021.09
Co 228.615	119.725	ppb	0.3736	0.3	1567.18

E02032015.wvq. All Data Report 2/4/2015, 2:45:23 PM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	401.093	ppb	0.5277	0.1	24540.8
Cu 324.754	270.686	ppb	0.8956	0.3	20915.0
Fe 271.441	403243	ppb	184.231	0.0	713906
K 766.491	9075.74	ppb	8.7501	0.1	436187
Mg 279.078	6785.95	ppb	4.1387	0.1	19953.0
Mn 257.610	7842.61	ppb	19.3804	0.2	1971131
Mo 202.032	92.4185	ppb	0.7328	0.8	654.383
Na 330.237	4690.99	ppb	56.8007	1.2	177.625
Ni 231.604	116.315	ppb	0.5547	0.5	423.877
Pb 220.353	593.052	ppb	1.6828	0.3	1018.57
Sb 206.834	23.1336	ppb	3.4855	15.1	45.4030
Se 196.026	75.1658	ppb	4.0252	5.4	48.3473
Sn 189.925	198.590	ppb	3.5055	1.8	149.861
Sr 216.596	132.764	ppb	0.4081	0.3	2251.29
Ti 334.941	4343.00	ppb	7.6530	0.2	1460241
Tl 190.794	40.6397	ppb	3.1781	7.8	-22.8943
V 292.401	622.005	ppb	1.2043	0.2	19284.7
Zn 206.200	204.005	ppb	3.2166	1.6	218.454

680-109515-a-61-a (Samp) **2/4/2015, 2:05:01 AM** **Rack 3, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	-0.4150u	-1.3577u	-1.0999u
Al 308.215	106364	106256	106056
As 188.980	195.915	193.868	193.169
B 249.678	13.9696u	14.7187u	13.3955u
Ba 389.178	375.357	374.938	374.686
Be 313.042	12.6309	12.6211	12.5849
Ca 370.602	15823	15859	15809
Cd 226.502	-5.0294	-4.3466	-4.7566
Co 228.615	96.2069	95.2440	95.9725
Cr 267.716	440.184	440.481	439.866
Cu 324.754	67.6796	67.5873	68.5602
Fe 271.441	573946	573401	573088
K 766.491	2095.13	2087.40	2094.38
Mg 279.078	7384.10	7392.68	7372.87
Mn 257.610	4304.01	4318.67	4316.36
Mo 202.032	13.7285	13.6138	13.5425
Na 330.237	-120.321u	-98.6360u	80.5713u
Ni 231.604	46.3102	45.9675	46.2879
Pb 220.353	370.684	374.097	369.149
Sb 206.834	6.6917	5.9522	6.2134
Se 196.026	5.0283	4.8135	-8.7606
Sn 189.925	25.4824	24.2147	23.7636
Sr 216.596	54.9516	53.4136	54.4995
Ti 334.941	659.466	656.289	655.022
Tl 190.794	0.4673u	2.0077u	-7.1236u
V 292.401	815.447	814.040	815.180
Zn 206.200	538.062	538.626	538.750

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9576	ppb	0.4872	50.9	-173.400
Al 308.215	106226	ppb	156.240	0.1	835835

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	194.317	ppb	1.4270	0.7	130.269
B 249.678	14.0280	ppb	0.6635	4.7	-1233.84
Ba 389.178	374.994	ppb	0.3391	0.1	9912.39
Be 313.042	12.6123	ppb	0.0242	0.2	26433.8
Ca 370.602	15830	ppb	25.98	0.2	41303
Cd 226.502	-4.7109	ppb	0.3437	7.3	2721.57
Co 228.615	95.8078	ppb	0.5021	0.5	1210.61
Cr 267.716	440.177	ppb	0.3074	0.1	26966.8
Cu 324.754	67.9424	ppb	0.5370	0.8	5573.16
Fe 271.441	573478	ppb	434.230	0.1	1015278
K 766.491	2092.30	ppb	4.2611	0.2	100796
Mg 279.078	7383.22	ppb	9.9330	0.1	21806.4
Mn 257.610	4313.01	ppb	7.8799	0.2	1085297
Mo 202.032	13.6283	ppb	0.0938	0.7	75.2411
Na 330.237	-46.1287	ppb	110.260	239.0	-143.405
Ni 231.604	46.1885	ppb	0.1918	0.4	204.010
Pb 220.353	371.310	ppb	2.5331	0.7	665.950
Sb 206.834	6.2858	ppb	0.3750	6.0	25.6593
Se 196.026	0.3604	ppb	7.8997	2191.8	12.2096
Sn 189.925	24.4869	ppb	0.8912	3.6	13.8433
Sr 216.596	54.2882	ppb	0.7905	1.5	1488.87
Ti 334.941	656.926	ppb	2.2896	0.3	220921
Tl 190.794	-1.5495	ppb	4.8883	315.5	-103.392
V 292.401	814.889	ppb	0.7476	0.1	25233.8
Zn 206.200	538.479	ppb	0.3668	0.1	595.094

680-109515-a-62-a (Samp) **2/4/2015, 2:09:37 AM** **Rack 3, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-1.4243u	-1.5778u	-1.4779u
Al 308.215	105887	105634	105526
As 188.980	185.255	188.999	185.316
B 249.678	9.8485u	9.3552u	10.0591u
Ba 389.178	347.935	348.122	349.464
Be 313.042	11.8685	11.8764	11.8616
Ca 370.602	11252	11237	11192
Cd 226.502	-5.7623	-5.7255	-5.3956
Co 228.615	75.3497	75.2408	76.8818
Cr 267.716	428.731	428.641	428.655
Cu 324.754	28.7550	29.0829	28.7983
Fe 271.441	539492	538352	537499
K 766.491	2027.84	2017.46	2024.82
Mg 279.078	7162.61	7146.40	7140.66
Mn 257.610	3990.86	3996.94	3982.96
Mo 202.032	6.7579	7.0627	7.6723
Na 330.237	-156.747u	-160.103u	-118.023u
Ni 231.604	43.3719	43.5588	41.8612
Pb 220.353	177.731	180.255	173.533
Sb 206.834	11.1784	4.2347	9.0997
Se 196.026	-9.2014	-8.7034	-16.5342u
Sn 189.925	20.1112	14.8520	20.6253
Sr 216.596	55.4297	56.6341	56.0555
Ti 334.941	754.225	751.726	754.296

Label	Replicates Concentration		
Tl 190.794	-2.5489u	0.6495u	1.5151u
V 292.401	832.144	832.424	832.500
Zn 206.200	273.135	275.462	270.847

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4934	ppb	0.0779	5.2	-218.346
Al 308.215	105682	ppb	185.534	0.2	831562
As 188.980	186.523	ppb	2.1443	1.1	124.913
B 249.678	9.7543	ppb	0.3613	3.7	-1219.92
Ba 389.178	348.507	ppb	0.8343	0.2	9214.38
Be 313.042	11.8688	ppb	0.0074	0.1	24861.7
Ca 370.602	11227	ppb	31.14	0.3	28037
Cd 226.502	-5.6278	ppb	0.2019	3.6	2495.06
Co 228.615	75.8241	ppb	0.9176	1.2	968.734
Cr 267.716	428.676	ppb	0.0487	0.0	26250.0
Cu 324.754	28.8787	ppb	0.1781	0.6	2586.85
Fe 271.441	538448	ppb	1000.03	0.2	953260
K 766.491	2023.38	ppb	5.3385	0.3	97485.8
Mg 279.078	7149.89	ppb	11.3809	0.2	21121.2
Mn 257.610	3990.25	ppb	7.0074	0.2	1004112
Mo 202.032	7.1643	ppb	0.4656	6.5	30.2251
Na 330.237	-144.957	ppb	23.3862	16.1	-132.480
Ni 231.604	42.9306	ppb	0.9308	2.2	189.767
Pb 220.353	177.173	ppb	3.3954	1.9	342.912
Sb 206.834	8.1709	ppb	3.5638	43.6	27.7098
Se 196.026	-11.4797	ppb	4.3844	38.2	5.9334
Sn 189.925	18.5295	ppb	3.1952	17.2	9.1892
Sr 216.596	56.0398	ppb	0.6024	1.1	1459.96
Ti 334.941	753.416	ppb	1.4639	0.2	253358
Tl 190.794	-0.1281	ppb	2.1407	1671.0	-95.7961
V 292.401	832.356	ppb	0.1878	0.0	25799.0
Zn 206.200	273.148	ppb	2.3074	0.8	292.544

680-109515-a-63-a (Samp) **2/4/2015, 2:14:13 AM** **Rack 3, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-2.0683u	-2.4160u	-2.1539u
Al 308.215	126387	126879	126553
As 188.980	266.364	267.354	260.974
B 249.678	16.7026u	17.3675u	16.3911u
Ba 389.178	797.719	800.426	800.676
Be 313.042	18.1704	18.2361	18.2274
Ca 370.602	159586	158533	158816
Cd 226.502	-1.7408	-0.8541	-1.0719
Co 228.615	111.050	110.023	111.554
Cr 267.716	378.972	381.030	380.157
Cu 324.754	176.230	175.162	176.492
Fe 271.441	497363	494971	497375
K 766.491	6169.71	6188.28	6183.05
Mg 279.078	78687.7	79015.8	78865.2
Mn 257.610	7830.26	7835.00	7829.36
Mo 202.032	19.6334	19.7146	19.5601
Na 330.237	187.011u	219.061u	263.655u

Label	Replicates Concentration		
Ni 231.604	112.176	115.216	113.088
Pb 220.353	483.813	484.647	488.408
Sb 206.834	7.9154	11.6548	12.9034
Se 196.026	-4.1886	-6.0865	-7.0590
Sn 189.925	40.0280	40.7153	38.3871
Sr 216.596	251.386	252.141	252.749
Ti 334.941	676.076	679.199	678.325
Tl 190.794	0.6087u	-8.9047u	-9.5210u
V 292.401	640.778	641.567	641.567
Zn 206.200	907.049	910.378	910.213

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2127	ppb	0.1812	8.2	-265.098
Al 308.215	126606	ppb	250.160	0.2	996058
As 188.980	264.897	ppb	3.4332	1.3	181.657
B 249.678	16.8204	ppb	0.4987	3.0	-973.111
Ba 389.178	799.607	ppb	1.6401	0.2	20691.9
Be 313.042	18.2113	ppb	0.0357	0.2	38334.6
Ca 370.602	158978	ppb	544.9	0.3	467968
Cd 226.502	-1.2223	ppb	0.4621	37.8	2493.36
Co 228.615	110.876	ppb	0.7802	0.7	1387.33
Cr 267.716	380.053	ppb	1.0331	0.3	23309.8
Cu 324.754	175.961	ppb	0.7042	0.4	13752.8
Fe 271.441	496570	ppb	1384.63	0.3	879124
K 766.491	6180.35	ppb	9.5744	0.2	297131
Mg 279.078	78856.2	ppb	164.246	0.2	233970
Mn 257.610	7831.54	ppb	3.0324	0.0	1969318
Mo 202.032	19.6361	ppb	0.0773	0.4	122.805
Na 330.237	223.242	ppb	38.4925	17.2	-115.986
Ni 231.604	113.493	ppb	1.5598	1.4	423.147
Pb 220.353	485.622	ppb	2.4480	0.5	849.582
Sb 206.834	10.8245	ppb	2.5956	24.0	29.9739
Se 196.026	-5.7781	ppb	1.4598	25.3	9.3001
Sn 189.925	39.7101	ppb	1.1962	3.0	25.7365
Sr 216.596	252.092	ppb	0.6833	0.3	3955.46
Ti 334.941	677.867	ppb	1.6108	0.2	228098
Tl 190.794	-5.9390	ppb	5.6788	95.6	-93.7798
V 292.401	641.304	ppb	0.4552	0.1	19835.8
Zn 206.200	909.214	ppb	1.8763	0.2	1022.76

CRI (Samp) **2/4/2015, 2:18:49 AM** **Rack 3, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	9.6891	9.6733	9.8094
Al 308.215	197.670	201.124	203.831
As 188.980	20.8464	18.7853	19.1383
B 249.678	98.9065	99.6175	99.9289
Ba 389.178	8.8391	9.1976	9.1366
Be 313.042	4.0365	4.0692	4.0896
Ca 370.602	487.8	498.0	501.3
Cd 226.502	4.7186	4.8286	4.9987
Co 228.615	10.1377	10.0001	9.8110
Cr 267.716	10.1350	10.1921	10.0490

Label	Replicates Concentration		
Cu 324.754	21.0064	21.3041	21.1089
Fe 271.441	71.5798	83.3018	84.6239
K 766.491	1056.36	1065.05	1067.07
Mg 279.078	504.238	508.770	508.825
Mn 257.610	10.7249	10.9241	11.0701
Mo 202.032	9.3693	9.3306	9.9952
Na 330.237	859.648	874.097	931.042
Ni 231.604	38.5650	38.2060	39.8866
Pb 220.353	9.8146	9.4701	9.1862
Sb 206.834	21.8585	21.9866	19.0107
Se 196.026	16.9863	23.3725	18.9322
Sn 189.925	51.1012	50.9964	48.0843
Sr 216.596	9.4954	9.2888	9.3484
Ti 334.941	9.9769	10.0098	10.0443
Tl 190.794	25.4805	24.3212	26.3329
V 292.401	10.4657	10.5804	10.6196
Zn 206.200	20.6606	20.1844	20.5459

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.7240	ppb	0.0744	0.8	904.048
Al 308.215	200.875	ppb	3.0882	1.5	1926.12
As 188.980	19.5900	ppb	1.1023	5.6	8.4947
B 249.678	99.4843	ppb	0.5240	0.5	1942.61
Ba 389.178	9.0578	ppb	0.1918	2.1	190.770
Be 313.042	4.0651	ppb	0.0268	0.7	8295.35
Ca 370.602	495.7	ppb	7.088	1.4	1495
Cd 226.502	4.8486	ppb	0.1411	2.9	251.672
Co 228.615	9.9829	ppb	0.1640	1.6	116.392
Cr 267.716	10.1254	ppb	0.0720	0.7	626.612
Cu 324.754	21.1398	ppb	0.1512	0.7	1768.92
Fe 271.441	79.8352	ppb	7.1799	9.0	153.901
K 766.491	1062.83	ppb	5.6929	0.5	51353.7
Mg 279.078	507.278	ppb	2.6326	0.5	1528.91
Mn 257.610	10.9064	ppb	0.1733	1.6	2800.52
Mo 202.032	9.5650	ppb	0.3730	3.9	75.4661
Na 330.237	888.262	ppb	37.7463	4.2	80.2585
Ni 231.604	38.8859	ppb	0.8850	2.3	126.290
Pb 220.353	9.4903	ppb	0.3147	3.3	29.1710
Sb 206.834	20.9520	ppb	1.6824	8.0	30.6174
Se 196.026	19.7637	ppb	3.2733	16.6	15.1199
Sn 189.925	50.0606	ppb	1.7123	3.4	33.8240
Sr 216.596	9.3775	ppb	0.1064	1.1	119.694
Ti 334.941	10.0103	ppb	0.0337	0.3	3313.67
Tl 190.794	25.3782	ppb	1.0098	4.0	21.8799
V 292.401	10.5552	ppb	0.0800	0.8	320.253
Zn 206.200	20.4637	ppb	0.2485	1.2	24.0996

mb 680-369386/1-a (Samp) **2/4/2015, 2:23:25 AM** **Rack 3, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	-0.0932u	-0.0541u	-0.1178u
Al 308.215	2.0352	1.5638	2.4573
As 188.980	3.3766	2.0851	-1.8610u

Label	Replicates Concentration		
B 249.678	0.8429	0.8797	0.9454
Ba 389.178	-0.5627u	-0.6477u	-0.3171u
Be 313.042	0.0074	0.0008	0.0005
Ca 370.602	-2.082u	-0.1039u	-0.0846u
Cd 226.502	-0.0075u	-0.0790u	0.0102
Co 228.615	0.0288	-0.1737u	-0.1915u
Cr 267.716	0.1458	0.2253	0.1214
Cu 324.754	-0.0805u	-0.0546u	0.1945
Fe 271.441	9.0514	1.7962	6.1257
K 766.491	0.4208	0.3787	0.5104
Mg 279.078	-1.4353u	0.3293	0.4300
Mn 257.610	0.0660	0.0985	0.1139
Mo 202.032	0.1327	-0.3096u	0.2752
Na 330.237	-102.570u	-52.4355u	16.3056
Ni 231.604	0.1859	0.5193	0.7806
Pb 220.353	-1.2455u	-1.4113u	0.8932
Sb 206.834	0.2875	0.7904	3.4991
Se 196.026	5.1322	-0.2629u	1.8580
Sn 189.925	-0.2986u	-0.4981u	-2.8505u
Sr 216.596	0.2352	-0.0627u	0.0458
Ti 334.941	0.1124	0.1279	0.1160
Tl 190.794	0.6062	0.0216	-0.0393u
V 292.401	-0.0184u	-0.0580u	-0.2978u
Zn 206.200	0.2288	0.6166	0.6528

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0884	ppb	0.0321	36.4	-8.8331
Al 308.215	2.0188	ppb	0.4470	22.1	360.586
As 188.980	1.2002	ppb	2.7286	227.3	-4.7479
B 249.678	0.8893	ppb	0.0519	5.8	48.4852
Ba 389.178	-0.5092	ppb	0.1717	33.7	-51.2040
Be 313.042	0.0029	ppb	0.0039	133.6	-303.997
Ca 370.602	-0.7569	ppb	1.148	151.6	14.81
Cd 226.502	-0.0254	ppb	0.0472	185.8	20.6128
Co 228.615	-0.1121	ppb	0.1224	109.2	-5.5846
Cr 267.716	0.1642	ppb	0.0543	33.1	24.0586
Cu 324.754	0.0198	ppb	0.1518	766.3	163.096
Fe 271.441	5.6578	ppb	3.6502	64.5	21.1757
K 766.491	0.4366	ppb	0.0673	15.4	330.704
Mg 279.078	-0.2254	ppb	1.0491	465.5	22.1170
Mn 257.610	0.0928	ppb	0.0245	26.3	80.0071
Mo 202.032	0.0328	ppb	0.3049	931.0	6.4782
Na 330.237	-46.2332	ppb	59.6799	129.1	28.3477
Ni 231.604	0.4952	ppb	0.2981	60.2	-2.8080
Pb 220.353	-0.5879	ppb	1.2853	218.6	12.5482
Sb 206.834	1.5257	ppb	1.7274	113.2	1.9096
Se 196.026	2.2425	ppb	2.7180	121.2	6.4669
Sn 189.925	-1.2157	ppb	1.4193	116.7	-6.2354
Sr 216.596	0.0728	ppb	0.1508	207.2	2.1999
Ti 334.941	0.1187	ppb	0.0081	6.8	-13.0883
Tl 190.794	0.1961	ppb	0.3564	181.7	-7.9920
V 292.401	-0.1247	ppb	0.1512	121.2	-11.3631
Zn 206.200	0.4994	ppb	0.2350	47.1	1.2563

Cont Calib Verif (CCV) **2/4/2015, 2:28:00 AM** **Rack 3, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	476.477	472.642	476.966
Al 308.215	4739.23	4693.31	4715.09
As 188.980	486.950	482.012	483.224
B 249.678	478.588	473.166	476.735
Ba 389.178	4707.53	4672.76	4694.12
Be 313.042	483.085	480.026	481.727
Ca 370.602	4747	4719	4720
Cd 226.502	472.474	467.913	470.256
Co 228.615	484.288	478.382	480.499
Cr 267.716	4864.70	4827.70	4845.72
Cu 324.754	5038.92	4941.91	4972.64
Fe 271.441	4698.27	4638.98	4663.79
K 766.491	10258.2	10154.7	10214.1
Mg 279.078	4846.30	4803.34	4815.63
Mn 257.610	4846.64	4828.48	4811.95
Mo 202.032	473.403	468.241	471.817
Na 330.237	7362.01	7317.93	7198.65
Ni 231.604	2374.52	2366.76	2361.64
Pb 220.353	471.266	464.441	473.482
Sb 206.834	930.237	929.522	927.195
Se 196.026	4770.86	4720.57	4746.94
Sn 189.925	4797.17	4736.74	4746.02
Sr 216.596	2334.03	2311.12	2319.48
Ti 334.941	468.267	464.852	467.579
Tl 190.794	4786.47	4750.78	4757.48
V 292.401	4831.64	4792.48	4807.85
Zn 206.200	2348.88	2323.95	2330.82

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	475.362	ppb	2.3684	0.5	44190.0	95.07233
Al 308.215	4715.88	ppb	22.9692	0.5	38182.3	94.31750
As 188.980	484.062	ppb	2.5736	0.5	342.878	96.81241
B 249.678	476.163	ppb	2.7557	0.6	9181.84	95.23259
Ba 389.178	4691.47	ppb	17.5345	0.4	118000	93.82939
Be 313.042	481.613	ppb	1.5324	0.3	1019570	96.32254
Ca 370.602	4729	ppb	15.81	0.3	14417	94.58101
Cd 226.502	470.214	ppb	2.2807	0.5	22301.3	94.04284
Co 228.615	481.056	ppb	2.9923	0.6	5816.76	96.21126
Cr 267.716	4846.04	ppb	18.4996	0.4	293137	96.92076
Cu 324.754	4984.49	ppb	49.5773	1.0	379032	99.68974
Fe 271.441	4667.01	ppb	29.7757	0.6	8381.16	93.34026
K 766.491	10209.0	ppb	51.9314	0.5	490615	102.09009
Mg 279.078	4821.76	ppb	22.1224	0.5	14230.0	96.43512
Mn 257.610	4829.03	ppb	17.3494	0.4	1212892	96.58052
Mo 202.032	471.154	ppb	2.6439	0.6	3411.13	94.23074
Na 330.237	7292.86	ppb	84.5123	1.2	381.570	97.23814
Ni 231.604	2367.64	ppb	6.4844	0.3	7957.69	94.70568
Pb 220.353	469.730	ppb	4.7119	1.0	793.101	93.94596
Sb 206.834	928.984	ppb	1.5908	0.2	1431.69	92.89845
Se 196.026	4746.12	ppb	25.1557	0.5	2349.58	94.92244
Sn 189.925	4759.98	ppb	32.5461	0.7	3713.39	95.19952
Sr 216.596	2321.54	ppb	11.5908	0.5	29483.6	92.86171

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	466.899	ppb	1.8061	0.4	156940	93.37983
Tl 190.794	4764.91	ppb	18.9713	0.4	5652.91	95.29819
V 292.401	4810.65	ppb	19.7290	0.4	150231	96.21307
Zn 206.200	2334.55	ppb	12.8776	0.6	2664.20	93.38200

Cont Calib Blank (CCB) **2/4/2015, 2:32:37 AM** **Rack 3, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	473.481	469.852	459.457
Al 308.215	4689.75	4664.89	4599.67
As 188.980	476.803	470.229	473.781
B 249.678	476.206	474.239	466.286
Ba 389.178	4666.30	4637.56	4571.71
Be 313.042	478.302	476.785	468.398
Ca 370.602	4707	4678	4598
Cd 226.502	469.344	467.401	458.979
Co 228.615	479.066	476.192	468.383
Cr 267.716	4826.48	4800.44	4726.22
Cu 324.754	4937.95	4880.73	4804.19
Fe 271.441	4641.78	4617.17	4546.69
K 766.491	10135.9	10077.8	9965.99
Mg 279.078	4811.05	4777.96	4708.15
Mn 257.610	4800.89	4754.87	4695.72
Mo 202.032	471.766	467.673	460.574
Na 330.237	7298.20	7133.54	7138.64
Ni 231.604	2376.61	2346.63	2329.40
Pb 220.353	468.401	466.721	460.323
Sb 206.834	932.567	926.446	916.353
Se 196.026	4742.80	4714.02	4628.66
Sn 189.925	4744.31	4738.03	4635.64
Sr 216.596	2316.29	2305.31	2267.63
Ti 334.941	463.752	461.720	454.844
Tl 190.794	4752.14	4725.88	4652.52
V 292.401	4785.06	4755.92	4690.82
Zn 206.200	2333.84	2324.49	2281.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	467.596	ppb	7.2792	1.6	43467.6	467.59650Z
Al 308.215	4651.43	ppb	46.5233	1.0	37665.24	651.43408Z
As 188.980	473.604	ppb	3.2910	0.7	335.347	473.60422Z
B 249.678	472.244	ppb	5.2526	1.1	9106.66	472.24393Z
Ba 389.178	4625.19	ppb	48.4936	1.0	116332	4625.19043Z
Be 313.042	474.495	ppb	5.3344	1.1	1004497	474.49515Z
Ca 370.602	4661	ppb	56.63	1.2	14210	4661.03564Z
Cd 226.502	465.241	ppb	5.5095	1.2	22065.6	465.24118Z
Co 228.615	474.547	ppb	5.5284	1.2	5737.94	474.54688Z
Cr 267.716	4784.38	ppb	52.0227	1.1	289407	4784.37842Z
Cu 324.754	4874.29	ppb	67.1094	1.4	370656	4874.29150Z
Fe 271.441	4601.88	ppb	49.3552	1.1	8264.41	4601.87695Z
K 766.491	10059.9	ppb	86.3470	0.9	483453	0059.88965Z
Mg 279.078	4765.72	ppb	52.5341	1.1	14065.4	4765.71924Z
Mn 257.610	4750.49	ppb	52.7220	1.1	1193168	4750.49316Z
Mo 202.032	466.671	ppb	5.6632	1.2	3378.76	466.67117Z

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	7190.12	ppb	93.6277	1.3	376.298	7190.12402Z
Ni 231.604	2350.88	ppb	23.8932	1.0	7901.33	2350.88159Z
Pb 220.353	465.148	ppb	4.2625	0.9	785.482	465.14828Z
Sb 206.834	925.122	ppb	8.1874	0.9	1425.28	925.12177Z
Se 196.026	4695.16	ppb	59.3593	1.3	2324.41	4695.16113Z
Sn 189.925	4705.99	ppb	61.0075	1.3	3671.22	4705.99365Z
Sr 216.596	2296.41	ppb	25.5228	1.1	29164.1	2296.40894Z
Ti 334.941	460.106	ppb	4.6684	1.0	154655	460.10553Z
Tl 190.794	4710.18	ppb	51.6296	1.1	5587.85	4710.17773Z
V 292.401	4743.94	ppb	48.2532	1.0	148147	4743.93604Z
Zn 206.200	2313.23	ppb	27.9859	1.2	2639.91	2313.23120Z

llcs 680-369386/2-a (Samp) **2/4/2015, 2:37:13 AM** **Rack 3, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	10.5249	10.5923	10.3932
Al 308.215	201.517	201.964	200.852
As 188.980	26.8557	19.2165	19.7727
B 249.678	104.128	104.167	103.441
Ba 389.178	10.6269	10.2723	10.2158
Be 313.042	4.1265	4.1176	4.0963
Ca 370.602	500.4	504.7	502.9
Cd 226.502	5.1063	5.0808	5.0702
Co 228.615	10.2843	10.2860	10.4586
Cr 267.716	10.8211	10.8682	10.5970
Cu 324.754	22.2160	22.0119	21.6692
Fe 271.441	40.3764	40.9789	40.6052
K 766.491	1143.83	1144.85	1140.11
Mg 279.078	520.492	524.590	519.351
Mn 257.610	11.4566	11.4732	11.4462
Mo 202.032	8.7785	8.8452	8.9405
Na 330.237	892.985	1026.58	888.054
Ni 231.604	40.2665	41.0498	40.2518
Pb 220.353	10.0493	10.0867	7.6104
Sb 206.834	20.5768	20.3703	24.4055
Se 196.026	28.5959	23.2048	25.6281
Sn 189.925	26.8648	29.6825	27.9622
Sr 216.596	10.0705	10.3003	9.7781
Ti 334.941	9.9311	9.9663	9.9352
Tl 190.794	27.6249	27.8452	27.1744
V 292.401	11.6647	11.4771	11.3303
Zn 206.200	20.6252	20.1555	19.8887

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5035	ppb	0.1013	1.0	976.575
Al 308.215	201.444	ppb	0.5594	0.3	1930.72
As 188.980	21.9483	ppb	4.2590	19.4	10.1939
B 249.678	103.912	ppb	0.4084	0.4	2027.75
Ba 389.178	10.3717	ppb	0.2229	2.1	223.815
Be 313.042	4.1134	ppb	0.0155	0.4	8397.92
Ca 370.602	502.7	ppb	2.156	0.4	1517
Cd 226.502	5.0858	ppb	0.0186	0.4	262.698
Co 228.615	10.3430	ppb	0.1001	1.0	120.777

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	10.7621	ppb	0.1449	1.3	665.101
Cu 324.754	21.9657	ppb	0.2763	1.3	1831.64
Fe 271.441	40.6535	ppb	0.3041	0.7	84.5970
K 766.491	1142.93	ppb	2.4941	0.2	55200.9
Mg 279.078	521.478	ppb	2.7554	0.5	1571.07
Mn 257.610	11.4586	ppb	0.0136	0.1	2939.20
Mo 202.032	8.8547	ppb	0.0814	0.9	70.3252
Na 330.237	935.872	ppb	78.5911	8.4	82.9517
Ni 231.604	40.5227	ppb	0.4566	1.1	131.790
Pb 220.353	9.2488	ppb	1.4190	15.3	28.7714
Sb 206.834	21.7842	ppb	2.2725	10.4	31.8621
Se 196.026	25.8096	ppb	2.7001	10.5	18.1043
Sn 189.925	28.1698	ppb	1.4203	5.0	16.7221
Sr 216.596	10.0497	ppb	0.2617	2.6	128.157
Ti 334.941	9.9442	ppb	0.0192	0.2	3291.45
Tl 190.794	27.5481	ppb	0.3419	1.2	24.4658
V 292.401	11.4907	ppb	0.1676	1.5	349.680
Zn 206.200	20.2231	ppb	0.3728	1.8	23.8242

lcs 680-369386/4-a (Samp) **2/4/2015, 2:41:49 AM** **Rack 3, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	471.805	469.368	463.455
Al 308.215	4708.55	4670.78	4609.49
As 188.980	470.538	469.893	475.485
B 249.678	474.949	473.482	466.208
Ba 389.178	4689.14	4656.68	4593.33
Be 313.042	479.773	476.586	470.960
Ca 370.602	4718	4675	4590
Cd 226.502	469.855	465.897	459.947
Co 228.615	479.635	477.013	470.211
Cr 267.716	4839.91	4803.58	4739.30
Cu 324.754	4955.82	4940.53	4914.80
Fe 271.441	4665.59	4626.69	4559.66
K 766.491	10197.7	10144.1	10018.4
Mg 279.078	4810.60	4763.85	4715.71
Mn 257.610	4828.20	4792.23	4725.73
Mo 202.032	470.932	467.209	460.133
Na 330.237	7257.73	7090.47	7049.15
Ni 231.604	2377.91	2373.13	2314.57
Pb 220.353	464.556	458.325	458.340
Sb 206.834	933.347	924.259	912.455
Se 196.026	4725.09	4696.48	4635.31
Sn 189.925	4754.48	4695.63	4645.81
Sr 216.596	2302.73	2301.67	2278.35
Ti 334.941	466.046	463.953	457.548
Tl 190.794	4762.11	4725.96	4639.24
V 292.401	4804.54	4776.39	4711.11
Zn 206.200	2328.75	2300.03	2278.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	468.210	ppb	4.2942	0.9	43525.0
Al 308.215	4662.94	ppb	49.9920	1.1	37759.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	471.972	ppb	3.0596	0.6	334.171
B 249.678	471.546	ppb	4.6807	1.0	9093.17
Ba 389.178	4646.39	ppb	48.7287	1.0	116865
Be 313.042	475.773	ppb	4.4624	0.9	1007204
Ca 370.602	4661	ppb	65.27	1.4	14212
Cd 226.502	465.233	ppb	4.9877	1.1	22065.3
Co 228.615	475.620	ppb	4.8637	1.0	5751.03
Cr 267.716	4794.27	ppb	50.9473	1.1	290005
Cu 324.754	4937.05	ppb	20.7284	0.4	375427
Fe 271.441	4617.31	ppb	53.5855	1.2	8292.05
K 766.491	10120.1	ppb	91.9962	0.9	486343
Mg 279.078	4763.39	ppb	47.4482	1.0	14057.7
Mn 257.610	4782.05	ppb	51.9848	1.1	1201095
Mo 202.032	466.091	ppb	5.4857	1.2	3374.54
Na 330.237	7132.45	ppb	110.445	1.5	373.355
Ni 231.604	2355.20	ppb	35.2730	1.5	7915.86
Pb 220.353	460.407	ppb	3.5931	0.8	777.680
Sb 206.834	923.354	ppb	10.4756	1.1	1422.92
Se 196.026	4685.63	ppb	45.8596	1.0	2319.71
Sn 189.925	4698.64	ppb	54.3974	1.2	3665.48
Sr 216.596	2294.25	ppb	13.7801	0.6	29136.6
Ti 334.941	462.516	ppb	4.4276	1.0	155466
Tl 190.794	4709.10	ppb	63.1443	1.3	5586.63
V 292.401	4764.01	ppb	47.9288	1.0	148774
Zn 206.200	2302.28	ppb	25.4182	1.1	2627.32

680-109421-a-1-b (Samp) **2/4/2015, 2:46:26 AM** **Rack 3, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	-0.0998u	-0.2531u	0.0670
Al 308.215	7.2518	5.9826	6.2539
As 188.980	2.4544	-2.4009u	-0.0112u
B 249.678	10.4437	9.3042	9.3461
Ba 389.178	2.7914	2.7078	2.2779
Be 313.042	0.0359	0.0363	0.0308
Ca 370.602	42796	42111	42495
Cd 226.502	-0.0577u	-0.0285u	-0.1157u
Co 228.615	-0.2768u	0.1977	0.1374
Cr 267.716	2.7689	2.7262	2.7724
Cu 324.754	1.5140	1.1707	0.9728
Fe 271.441	7.7111	4.6435	2.5423
K 766.491	289.382	289.090	287.482
Mg 279.078	21083.3	20683.3	20879.8
Mn 257.610	0.7029	0.7512	0.7302
Mo 202.032	0.1557	-0.2005u	0.0928
Na 330.237	7813.32	7601.32	7534.70
Ni 231.604	1.5454	0.6655	1.9257
Pb 220.353	0.5668	1.6956	-2.0519u
Sb 206.834	-1.4246u	2.1522	0.5312
Se 196.026	5.3185	-0.5867u	-3.0595u
Sn 189.925	0.9687	2.8319	1.7630
Sr 216.596	56.6488	54.8327	56.0905
Ti 334.941	0.0883	0.1470	0.1029

Label	Replicates Concentration		
Tl 190.794	0.8139	2.5032	0.3991
V 292.401	11.5020	11.2980	11.5782
Zn 206.200	0.8029	1.5340	-0.4527u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0953	ppb	0.1601	168.0	-12.0748
Al 308.215	6.4961	ppb	0.6684	10.3	397.602
As 188.980	0.0141	ppb	2.4277	17200.3	-5.6023
B 249.678	9.6980	ppb	0.6462	6.7	217.714
Ba 389.178	2.5924	ppb	0.2755	10.6	75.5411
Be 313.042	0.0343	ppb	0.0031	9.0	-221.198
Ca 370.602	42468	ppb	343.2	0.8	126316
Cd 226.502	-0.0673	ppb	0.0444	65.9	18.9162
Co 228.615	0.0194	ppb	0.2583	1328.7	-3.9868
Cr 267.716	2.7558	ppb	0.0257	0.9	180.882
Cu 324.754	1.2192	ppb	0.2738	22.5	254.098
Fe 271.441	4.9656	ppb	2.5994	52.3	20.0603
K 766.491	288.651	ppb	1.0232	0.4	14172.7
Mg 279.078	20882.1	ppb	199.976	1.0	62036.0
Mn 257.610	0.7281	ppb	0.0242	3.3	425.135
Mo 202.032	0.0160	ppb	0.1901	1188.4	6.3433
Na 330.237	7649.78	ppb	145.496	1.9	460.025
Ni 231.604	1.3789	ppb	0.6464	46.9	0.1638
Pb 220.353	0.0702	ppb	1.9224	2739.5	13.6367
Sb 206.834	0.4196	ppb	1.7910	426.8	0.3093
Se 196.026	0.5574	ppb	4.3046	772.3	5.6354
Sn 189.925	1.8546	ppb	0.9350	50.4	-3.8341
Sr 216.596	55.8573	ppb	0.9302	1.7	729.602
Ti 334.941	0.1128	ppb	0.0306	27.1	26.6287
Tl 190.794	1.2387	ppb	1.1145	90.0	-6.7341
V 292.401	11.4594	ppb	0.1449	1.3	351.352
Zn 206.200	0.6281	ppb	1.0048	160.0	1.3979

680-109421-a-2-b (Samp) **2/4/2015, 2:51:02 AM** **Rack 3, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	0.0879	0.0774	0.0007u
Al 308.215	63.9505	66.1125	64.9694
As 188.980	1.8524	-1.0942u	0.7720
B 249.678	5.3586	5.1151	5.0762
Ba 389.178	11.5710	11.4872	12.0025
Be 313.042	0.0027	0.0013	0.0056
Ca 370.602	12569	12577	12517
Cd 226.502	-0.1001u	-0.0571u	0.0273
Co 228.615	0.6661	0.0723	-0.2879u
Cr 267.716	6.4598	6.1209	6.1725
Cu 324.754	1.1760	1.3687	1.1928
Fe 271.441	79.6952	79.0772	78.3884
K 766.491	582.752	582.131	579.734
Mg 279.078	5315.66	5308.84	5284.47
Mn 257.610	7.5337	7.5347	7.5247
Mo 202.032	-0.3268u	0.2188	0.1682
Na 330.237	3096.40	3179.43	3140.26

Label	Replicates Concentration		
Ni 231.604	3.7954	4.4212	4.1956
Pb 220.353	-2.8706u	-1.3420u	-0.7344u
Sb 206.834	1.9784	2.9839	2.4979
Se 196.026	-1.6886u	2.6220	4.9013
Sn 189.925	-0.3815u	-0.3402u	0.5820
Sr 216.596	39.9504	39.8566	39.6075
Ti 334.941	0.8035	0.7923	0.8900
Tl 190.794	-1.5753u	4.3620	1.5887
V 292.401	3.7909	3.7733	3.6771
Zn 206.200	0.7332	0.9744	0.5287

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0553	ppb	0.0476	86.0	2.9480
Al 308.215	65.0108	ppb	1.0816	1.7	856.526
As 188.980	0.5101	ppb	1.4907	292.2	-5.2455
B 249.678	5.1833	ppb	0.1530	3.0	130.818
Ba 389.178	11.6869	ppb	0.2765	2.4	268.015
Be 313.042	0.0032	ppb	0.0022	69.3	-298.725
Ca 370.602	12555	ppb	32.62	0.3	37354
Cd 226.502	-0.0433	ppb	0.0648	149.6	20.1935
Co 228.615	0.1502	ppb	0.4818	320.8	-2.3770
Cr 267.716	6.2511	ppb	0.1826	2.9	392.390
Cu 324.754	1.2458	ppb	0.1067	8.6	256.275
Fe 271.441	79.0536	ppb	0.6537	0.8	151.197
K 766.491	581.539	ppb	1.5936	0.3	28239.1
Mg 279.078	5302.99	ppb	16.3964	0.3	15770.8
Mn 257.610	7.5311	ppb	0.0055	0.1	1995.47
Mo 202.032	0.0201	ppb	0.3015	1501.5	6.3783
Na 330.237	3138.70	ppb	41.5349	1.3	206.966
Ni 231.604	4.1374	ppb	0.3169	7.7	9.4475
Pb 220.353	-1.6490	ppb	1.1007	66.7	10.8073
Sb 206.834	2.4867	ppb	0.5029	20.2	3.4132
Se 196.026	1.9449	ppb	3.3467	172.1	6.3226
Sn 189.925	-0.0466	ppb	0.5447	1169.8	-5.3209
Sr 216.596	39.8048	ppb	0.1772	0.4	513.056
Ti 334.941	0.8286	ppb	0.0535	6.5	236.066
Tl 190.794	1.4585	ppb	2.9708	203.7	-6.4952
V 292.401	3.7471	ppb	0.0613	1.6	109.541
Zn 206.200	0.7454	ppb	0.2231	29.9	1.5223

460-89822-g-1-d (Samp) **2/4/2015, 2:55:38 AM** **Rack 3, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	0.1261	-0.0660u	0.1747
Al 308.215	0.0496	0.3100	-0.4089u
As 188.980	-0.3176u	0.0723	-0.1053u
B 249.678	0.2082	0.5878	0.3116
Ba 389.178	-0.0547u	-0.2147u	-0.4274u
Be 313.042	0.0057	-0.0017u	0.0011
Ca 370.602	-0.5356u	-4.491u	-3.011u
Cd 226.502	-0.1082u	0.0811	-0.0443u
Co 228.615	0.0010	0.2824	0.4213
Cr 267.716	0.0276	0.1504	0.1332

Label	Replicates Concentration		
Cu 324.754	0.2164	0.4372	0.0576
Fe 271.441	-0.3314u	-0.2435u	1.5064
K 766.491	1.0639	0.8202	0.6106
Mg 279.078	-1.7299u	-1.1709u	1.2594
Mn 257.610	0.2229	0.2962	0.2617
Mo 202.032	0.2782	-0.0934u	0.2380
Na 330.237	-121.327u	35.6269	-134.535u
Ni 231.604	0.7645	0.4705	-0.4485u
Pb 220.353	-0.1764u	0.5810	-2.7985u
Sb 206.834	-2.6142u	0.5219	3.0225
Se 196.026	1.3259	-0.3210u	0.6130
Sn 189.925	-0.2220u	0.2758	0.8255
Sr 216.596	0.1045	0.4656	0.0337
Ti 334.941	0.0628	0.0511	0.0643
Tl 190.794	2.2251	0.5077	1.2548
V 292.401	-0.0247u	-0.0178u	0.1586
Zn 206.200	-1.2716u	-1.0423u	0.4539

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0783	ppb	0.1273	162.6	6.6737
Al 308.215	-0.0165	ppb	0.3639	2211.2	344.599
As 188.980	-0.1169	ppb	0.1952	167.0	-5.6966
B 249.678	0.3692	ppb	0.1963	53.2	38.5438
Ba 389.178	-0.2323	ppb	0.1869	80.5	-44.2433
Be 313.042	0.0017	ppb	0.0038	219.9	-306.546
Ca 370.602	-2.679	ppb	1.999	74.6	9.126
Cd 226.502	-0.0238	ppb	0.0963	404.3	20.6557
Co 228.615	0.2349	ppb	0.2141	91.2	-1.3964
Cr 267.716	0.1037	ppb	0.0665	64.1	20.3994
Cu 324.754	0.2371	ppb	0.1907	80.4	179.613
Fe 271.441	0.3105	ppb	1.0366	333.8	11.7602
K 766.491	0.8316	ppb	0.2269	27.3	349.670
Mg 279.078	-0.5471	ppb	1.5893	290.5	21.1587
Mn 257.610	0.2602	ppb	0.0367	14.1	122.032
Mo 202.032	0.1410	ppb	0.2040	144.7	7.2616
Na 330.237	-73.4115	ppb	94.6607	128.9	26.8554
Ni 231.604	0.2622	ppb	0.6327	241.3	-3.5935
Pb 220.353	-0.7980	ppb	1.7734	222.2	12.2007
Sb 206.834	0.3101	ppb	2.8243	910.9	0.1089
Se 196.026	0.5393	ppb	0.8259	153.2	5.6261
Sn 189.925	0.2931	ppb	0.5240	178.8	-5.0566
Sr 216.596	0.2013	ppb	0.2316	115.1	3.8446
Ti 334.941	0.0594	ppb	0.0072	12.1	-33.0419
Tl 190.794	1.3292	ppb	0.8611	64.8	-6.6462
V 292.401	0.0387	ppb	0.1039	268.5	-6.2705
Zn 206.200	-0.6200	ppb	0.9371	151.1	-0.0255

460-89822-g-1-dSD^5 (Samp) **2/4/2015, 3:00:14 AM** **Rack 3, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1067u	-0.1662u	-0.1710u
Al 308.215	1.3414	1.7696	1.1097
As 188.980	0.5641	0.0914	0.0210

Label	Replicates Concentration		
B 249.678	0.4993	0.9445	0.6251
Ba 389.178	0.0621	-0.7122u	-0.4916u
Be 313.042	0.0008	-0.0013u	0.0067
Ca 370.602	5.471	-0.7629u	-4.343u
Cd 226.502	-0.0527u	-0.0917u	-0.0233u
Co 228.615	0.1168	0.1775	0.2132
Cr 267.716	0.4808	0.2336	0.3292
Cu 324.754	0.4337	-0.2245u	-0.0028u
Fe 271.441	-0.4324u	2.7154	-0.2796u
K 766.491	0.2471	0.4928	0.9210
Mg 279.078	-1.1118u	-0.7534u	0.2207
Mn 257.610	0.1235	0.1474	0.1714
Mo 202.032	0.1309	0.0708	0.2167
Na 330.237	-78.1254u	-190.779u	-189.327u
Ni 231.604	0.1738	-0.1674u	0.7022
Pb 220.353	-0.4099u	-2.0078u	-1.1371u
Sb 206.834	4.4443	2.0080	1.0446
Se 196.026	5.0223	0.5464	1.0752
Sn 189.925	-0.3062u	0.6538	0.3433
Sr 216.596	0.2018	0.3683	0.2014
Ti 334.941	0.0618	0.1291	0.0434
Tl 190.794	2.0921	-0.2707u	1.9152
V 292.401	-0.0937u	-0.0629u	0.0876
Zn 206.200	-0.2935u	1.6725	0.3566

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1480	ppb	0.0358	24.2	-14.3849
Al 308.215	1.4069	ppb	0.3348	23.8	355.791
As 188.980	0.2255	ppb	0.2954	131.0	-5.4500
B 249.678	0.6896	ppb	0.2295	33.3	44.6888
Ba 389.178	-0.3806	ppb	0.3989	104.8	-47.9743
Be 313.042	0.0021	ppb	0.0041	201.8	-305.810
Ca 370.602	0.1218	ppb	4.967	4077.3	17.47
Cd 226.502	-0.0559	ppb	0.0343	61.4	19.1398
Co 228.615	0.1692	ppb	0.0488	28.8	-2.1888
Cr 267.716	0.3479	ppb	0.1246	35.8	35.1684
Cu 324.754	0.0688	ppb	0.3349	486.7	166.822
Fe 271.441	0.6678	ppb	1.7749	265.8	12.3794
K 766.491	0.5536	ppb	0.3411	61.6	336.321
Mg 279.078	-0.5482	ppb	0.6895	125.8	21.1577
Mn 257.610	0.1475	ppb	0.0239	16.2	93.7029
Mo 202.032	0.1395	ppb	0.0734	52.6	7.2509
Na 330.237	-152.744	ppb	64.6254	42.3	22.3799
Ni 231.604	0.2362	ppb	0.4381	185.5	-3.6804
Pb 220.353	-1.1850	ppb	0.8001	67.5	11.5623
Sb 206.834	2.4989	ppb	1.7522	70.1	3.3495
Se 196.026	2.2147	ppb	2.4458	110.4	6.4531
Sn 189.925	0.2303	ppb	0.4899	212.7	-5.1056
Sr 216.596	0.2571	ppb	0.0962	37.4	4.5450
Ti 334.941	0.0781	ppb	0.0451	57.7	-26.7538
Tl 190.794	1.2455	ppb	1.3161	105.7	-6.7459
V 292.401	-0.0230	ppb	0.0970	422.2	-8.2131
Zn 206.200	0.5785	ppb	1.0016	173.1	1.3467

460-89822-g-1-dPDS (Samp) **2/4/2015, 3:04:51 AM** **Rack 3, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	64.3172	65.3000	64.8026
Al 308.215	729.811	733.260	731.915
As 188.980	77.2875	72.5600	76.8492
B 249.678	141.523	142.106	143.363
Ba 389.178	65.0989	64.2286	65.1078
Be 313.042	70.9824	71.3592	71.5083
Ca 370.602	7172	7202	7208
Cd 226.502	71.8419	72.4912	72.0579
Co 228.615	72.0193	72.4364	73.1192
Cr 267.716	73.9100	74.1105	74.2233
Cu 324.754	74.1027	75.1469	74.9804
Fe 271.441	7157.28	7187.89	7210.21
K 766.491	8022.01	8050.99	8094.92
Mg 279.078	7365.41	7401.81	7387.39
Mn 257.610	750.614	754.932	756.003
Mo 202.032	69.2108	69.9249	70.1097
Na 330.237	6323.44	6359.81	6417.01
Ni 231.604	70.9570	72.4291	71.0827
Pb 220.353	70.5042	73.7600	70.3157
Sb 206.834	42.8653	47.0195	51.0006
Se 196.026	70.9158	70.5568	74.2837
Sn 189.925	62.9984	67.5880	68.5766
Sr 216.596	70.0841	70.7018	71.0946
Ti 334.941	71.9626	72.5299	72.5816
Tl 190.794	20.0344	15.7190	15.8918
V 292.401	75.3529	75.6219	76.1356
Zn 206.200	74.3700	72.1516	71.9808

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	64.8066	ppb	0.4914	0.8	6030.79
Al 308.215	731.662	ppb	1.7385	0.2	6112.03
As 188.980	75.5656	ppb	2.6121	3.5	48.7447
B 249.678	142.330	ppb	0.9404	0.7	2747.12
Ba 389.178	64.8117	ppb	0.5051	0.8	1615.89
Be 313.042	71.2833	ppb	0.2711	0.4	150603
Ca 370.602	7194	ppb	19.56	0.3	21388
Cd 226.502	72.1303	ppb	0.3306	0.5	3472.40
Co 228.615	72.5250	ppb	0.5553	0.8	872.775
Cr 267.716	74.0813	ppb	0.1587	0.2	4502.14
Cu 324.754	74.7433	ppb	0.5610	0.8	5848.62
Fe 271.441	7185.13	ppb	26.5702	0.4	12741.3
K 766.491	8055.97	ppb	36.7076	0.5	387212
Mg 279.078	7384.87	ppb	18.3299	0.2	21936.1
Mn 257.610	753.850	ppb	2.8527	0.4	189471
Mo 202.032	69.7485	ppb	0.4747	0.7	510.702
Na 330.237	6366.75	ppb	47.1673	0.7	384.308
Ni 231.604	71.4896	ppb	0.8161	1.1	236.438
Pb 220.353	71.5266	ppb	1.9364	2.7	132.115
Sb 206.834	46.9618	ppb	4.0680	8.7	69.0560
Se 196.026	71.9188	ppb	2.0559	2.9	41.1210
Sn 189.925	66.3877	ppb	2.9765	4.5	46.5813
Sr 216.596	70.6268	ppb	0.5094	0.7	910.128

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	72.3580	ppb	0.3435	0.5	24290.9
Tl 190.794	17.2151	ppb	2.4431	14.2	11.4832
V 292.401	75.7035	ppb	0.3977	0.5	2339.81
Zn 206.200	72.8342	ppb	1.3328	1.8	83.6840

460-89822-g-1-g ms (Samp) **2/4/2015, 3:09:27 AM** **Rack 3, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-0.1492u	-0.0666u	0.0437
Al 308.215	2009.39	2006.29	1994.35
As 188.980	43.5499	45.1499	43.9077
B 249.678	82.0874	81.9430	80.8248
Ba 389.178	39.1103	39.2964	39.3390
Be 313.042	20.3606	20.3772	20.2300
Ca 370.602	1987	1994	1976
Cd 226.502	20.3938	20.4754	20.3436
Co 228.615	20.9822	21.1501	20.2303
Cr 267.716	41.6869	41.5894	41.2844
Cu 324.754	42.5536	42.4021	41.9777
Fe 271.441	2004.26	2006.46	1992.86
K 766.491	2242.67	2239.75	2230.86
Mg 279.078	2082.05	2078.18	2065.72
Mn 257.610	212.261	212.871	210.936
Mo 202.032	38.2588	39.1307	38.3290
Na 330.237	1866.20	1926.94	1728.44
Ni 231.604	40.5491	41.0845	40.0492
Pb 220.353	200.047	205.029	199.951
Sb 206.834	21.4119	23.2970	21.6243
Se 196.026	44.8955	42.9753	37.9638
Sn 189.925	68.2472	71.1519	69.4133
Sr 216.596	39.2745	39.7793	39.4262
Ti 334.941	40.3842	40.3192	40.0239
Tl 190.794	18.6565	17.5637	16.2254
V 292.401	41.8752	41.5386	41.3335
Zn 206.200	39.9991	38.9892	40.7143

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0574	ppb	0.0968	168.8	-6.5141
Al 308.215	2003.34	ppb	7.9450	0.4	16105.4
As 188.980	44.2025	ppb	0.8397	1.9	26.2004
B 249.678	81.6184	ppb	0.6910	0.8	1594.30
Ba 389.178	39.2486	ppb	0.1216	0.3	955.741
Be 313.042	20.3226	ppb	0.0806	0.4	42712.8
Ca 370.602	1986	ppb	9.309	0.5	5926
Cd 226.502	20.4043	ppb	0.0665	0.3	997.699
Co 228.615	20.7875	ppb	0.4898	2.4	247.037
Cr 267.716	41.5202	ppb	0.2100	0.5	2527.50
Cu 324.754	42.3112	ppb	0.2985	0.7	3379.99
Fe 271.441	2001.19	ppb	7.2975	0.4	3557.06
K 766.491	2237.76	ppb	6.1509	0.3	107782
Mg 279.078	2075.32	ppb	8.5329	0.4	6180.17
Mn 257.610	212.023	ppb	0.9889	0.5	53330.0
Mo 202.032	38.5728	ppb	0.4844	1.3	285.321

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	1840.53	ppb	101.708	5.5	132.669
Ni 231.604	40.5609	ppb	0.5178	1.3	132.074
Pb 220.353	201.676	ppb	2.9044	1.4	346.479
Sb 206.834	22.1110	ppb	1.0325	4.7	32.2773
Se 196.026	41.9449	ppb	3.5789	8.5	26.1387
Sn 189.925	69.6041	ppb	1.4617	2.1	49.0925
Sr 216.596	39.4934	ppb	0.2590	0.7	505.870
Ti 334.941	40.2424	ppb	0.1921	0.5	13481.9
Tl 190.794	17.4819	ppb	1.2176	7.0	12.2797
V 292.401	41.5824	ppb	0.2735	0.7	1282.54
Zn 206.200	39.9009	ppb	0.8668	2.2	46.2246

460-89822-g-1-h msd (Samp) **2/4/2015, 3:14:03 AM** **Rack 3, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	0.0435	-0.1868u	-0.1254u
Al 308.215	1947.53	1944.49	1953.87
As 188.980	37.7248	38.9461	43.6765
B 249.678	78.9443	78.9695	79.2729
Ba 389.178	37.8754	38.2753	38.4092
Be 313.042	19.7739	19.7669	19.8032
Ca 370.602	1922	1921	1926
Cd 226.502	19.7470	19.9559	19.8658
Co 228.615	20.9613	20.2040	20.3175
Cr 267.716	40.2620	40.3585	40.4594
Cu 324.754	41.2878	41.7313	41.2535
Fe 271.441	1946.83	1949.55	1953.40
K 766.491	2185.39	2180.39	2192.01
Mg 279.078	2012.64	2016.24	2018.59
Mn 257.610	205.431	205.992	206.594
Mo 202.032	37.8026	37.5441	38.7701
Na 330.237	1929.37	1775.14	1918.32
Ni 231.604	38.8272	39.3057	39.9319
Pb 220.353	197.778	196.133	197.528
Sb 206.834	20.6567	19.7913	20.8549
Se 196.026	39.0985	39.8041	40.6071
Sn 189.925	67.4478	67.6205	66.6972
Sr 216.596	38.1364	38.6364	38.5545
Ti 334.941	39.1544	39.3181	39.3479
Tl 190.794	18.7130	18.5431	19.9510
V 292.401	40.4367	40.4133	40.6937
Zn 206.200	37.5444	39.4441	38.9328

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0896	ppb	0.1193	133.1	-9.4951
Al 308.215	1948.63	ppb	4.7822	0.2	15675.0
As 188.980	40.1158	ppb	3.1435	7.8	23.2573
B 249.678	79.0623	ppb	0.1829	0.2	1545.33
Ba 389.178	38.1866	ppb	0.2777	0.7	928.844
Be 313.042	19.7813	ppb	0.0193	0.1	41566.7
Ca 370.602	1923	ppb	3.026	0.2	5739
Cd 226.502	19.8562	ppb	0.1047	0.5	971.500
Co 228.615	20.4943	ppb	0.4084	2.0	243.479

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	40.3600	ppb	0.0987	0.2	2457.27
Cu 324.754	41.4242	ppb	0.2665	0.6	3312.54
Fe 271.441	1949.93	ppb	3.3018	0.2	3466.25
K 766.491	2185.93	ppb	5.8296	0.3	105293
Mg 279.078	2015.83	ppb	2.9955	0.1	6003.66
Mn 257.610	206.006	ppb	0.5817	0.3	51818.3
Mo 202.032	38.0389	ppb	0.6463	1.7	281.460
Na 330.237	1874.28	ppb	86.0323	4.6	134.605
Ni 231.604	39.3549	ppb	0.5540	1.4	128.014
Pb 220.353	197.146	ppb	0.8865	0.4	338.999
Sb 206.834	20.4343	ppb	0.5656	2.8	29.7898
Se 196.026	39.8365	ppb	0.7548	1.9	25.0959
Sn 189.925	67.2552	ppb	0.4909	0.7	47.2574
Sr 216.596	38.4424	ppb	0.2682	0.7	492.446
Ti 334.941	39.2735	ppb	0.1041	0.3	13156.0
Tl 190.794	19.0690	ppb	0.7685	4.0	14.1661
V 292.401	40.5146	ppb	0.1555	0.4	1249.30
Zn 206.200	38.6404	ppb	0.9830	2.5	44.7851

460-89824-g-1-c (Samp) **2/4/2015, 3:18:39 AM** **Rack 3, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	0.1106	0.2470	-0.1627u
Al 308.215	8.5167	9.2682	8.6165
As 188.980	2.2956	-0.8289u	4.5590
B 249.678	45.2580	45.6895	44.8960
Ba 389.178	44.1071	44.4181	44.0234
Be 313.042	0.0709	0.0687	0.0714
Ca 370.602	11730	11691	11712
Cd 226.502	-0.0387u	-0.0200u	0.1022
Co 228.615	1.0230	1.4280	0.9453
Cr 267.716	0.2090	0.0814	0.0728
Cu 324.754	3.6700	3.2563	3.1961
Fe 271.441	54.5354	48.4459	52.5180
K 766.491	3360.85	3372.24	3383.52
Mg 279.078	2672.25	2665.42	2667.13
Mn 257.610	2.9286	2.9506	2.9883
Mo 202.032	0.3782	0.1884	0.4289
Na 330.237	29314.6	29273.2	29124.2
Ni 231.604	12.8468	12.2109	12.6092
Pb 220.353	1.0036	2.6122	2.0033
Sb 206.834	1.9536	-1.1553u	2.3340
Se 196.026	-1.3919u	4.3374	9.1775
Sn 189.925	2.2025	0.9112	1.3826
Sr 216.596	183.005	182.319	182.857
Ti 334.941	0.0910	0.0811	0.0897
Tl 190.794	0.0959	0.5868	1.8951
V 292.401	0.0417	0.3160	0.2835
Zn 206.200	35.6925	35.0173	36.2209

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0650	ppb	0.2086	321.0	-1.5040
Al 308.215	8.8004	ppb	0.4081	4.6	413.966

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2.0086	ppb	2.7054	134.7	-4.1661
B 249.678	45.2812	ppb	0.3972	0.9	901.154
Ba 389.178	44.1829	ppb	0.2080	0.5	1079.24
Be 313.042	0.0703	ppb	0.0014	2.0	-160.621
Ca 370.602	11711	ppb	19.12	0.2	34845
Cd 226.502	0.0145	ppb	0.0765	527.8	22.5597
Co 228.615	1.1321	ppb	0.2592	22.9	9.4500
Cr 267.716	0.1211	ppb	0.0763	63.0	22.1484
Cu 324.754	3.3741	ppb	0.2580	7.6	418.122
Fe 271.441	51.8331	ppb	3.1020	6.0	103.104
K 766.491	3372.20	ppb	11.3344	0.3	162266
Mg 279.078	2668.27	ppb	3.5534	0.1	7946.62
Mn 257.610	2.9558	ppb	0.0302	1.0	822.817
Mo 202.032	0.3318	ppb	0.1268	38.2	8.6406
Na 330.237	29237.3	ppb	100.139	0.3	1670.03
Ni 231.604	12.5557	ppb	0.3213	2.6	37.7549
Pb 220.353	1.8730	ppb	0.8122	43.4	16.6125
Sb 206.834	1.0441	ppb	1.9142	183.3	1.1924
Se 196.026	4.0410	ppb	5.2909	130.9	7.3559
Sn 189.925	1.4988	ppb	0.6534	43.6	-4.1048
Sr 216.596	182.727	ppb	0.3612	0.2	2331.55
Ti 334.941	0.0873	ppb	0.0054	6.2	-21.0062
Tl 190.794	0.8593	ppb	0.9300	108.2	-7.2080
V 292.401	0.2137	ppb	0.1499	70.1	-1.0953
Zn 206.200	35.6436	ppb	0.6033	1.7	41.5096

Cont Calib Verif (CCV) **2/4/2015, 3:23:16 AM** **Rack 3, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	476.993	477.949	474.292
Al 308.215	4731.91	4744.97	4703.59
As 188.980	483.649	483.603	482.766
B 249.678	480.324	482.205	477.803
Ba 389.178	4687.60	4703.11	4663.25
Be 313.042	483.039	485.418	479.366
Ca 370.602	4744	4750	4701
Cd 226.502	472.857	475.307	470.561
Co 228.615	482.213	486.678	480.842
Cr 267.716	4854.02	4888.81	4834.30
Cu 324.754	5011.16	5015.26	4937.64
Fe 271.441	4684.57	4704.75	4661.43
K 766.491	10266.3	10254.9	10211.9
Mg 279.078	4840.89	4868.83	4817.68
Mn 257.610	4838.13	4884.64	4823.25
Mo 202.032	474.536	476.030	470.961
Na 330.237	7193.93	7344.57	7414.67
Ni 231.604	2394.17	2396.45	2365.22
Pb 220.353	469.386	475.171	465.939
Sb 206.834	935.135	946.940	929.449
Se 196.026	4789.20	4819.34	4741.10
Sn 189.925	4779.08	4804.86	4759.62
Sr 216.596	2323.17	2343.84	2321.43
Ti 334.941	466.845	470.248	465.604

Label	Replicates Concentration		
Tl 190.794	4770.99	4817.58	4753.96
V 292.401	4821.42	4844.56	4803.13
Zn 206.200	2343.61	2367.48	2329.79

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	476.411	ppb	1.8970	0.4	44287.5	95.28226
Al 308.215	4726.82	ppb	21.1533	0.4	38270.4	94.53642
As 188.980	483.339	ppb	0.4969	0.1	342.356	96.66785
B 249.678	480.110	ppb	2.2085	0.5	9257.68	96.02208
Ba 389.178	4684.65	ppb	20.0923	0.4	117828	93.69308
Be 313.042	482.608	ppb	3.0492	0.6	1021677	96.52155
Ca 370.602	4732	ppb	26.49	0.6	14425	94.63100
Cd 226.502	472.908	ppb	2.3734	0.5	22428.9	94.58165
Co 228.615	483.244	ppb	3.0511	0.6	5843.17	96.64889
Cr 267.716	4859.04	ppb	27.6007	0.6	293924	97.18085
Cu 324.754	4988.02	ppb	43.6777	0.9	379301	99.76046
Fe 271.441	4683.58	ppb	21.6782	0.5	8410.90	93.67162
K 766.491	10244.4	ppb	28.6669	0.3	492313	102.44375
Mg 279.078	4842.47	ppb	25.6142	0.5	14290.9	96.84934
Mn 257.610	4848.68	ppb	32.0246	0.7	1217828	96.97353
Mo 202.032	473.842	ppb	2.6048	0.5	3430.58	94.76842
Na 330.237	7317.73	ppb	112.792	1.5	382.587	97.56968
Ni 231.604	2385.28	ppb	17.4112	0.7	8017.01	95.41123
Pb 220.353	470.165	ppb	4.6654	1.0	793.835	94.03307
Sb 206.834	937.175	ppb	8.9219	1.0	1443.97	93.71748
Se 196.026	4783.21	ppb	39.4627	0.8	2367.90	95.66427
Sn 189.925	4781.19	ppb	22.6940	0.5	3729.96	95.62374
Sr 216.596	2329.48	ppb	12.4682	0.5	29584.0	93.17924
Ti 334.941	467.566	ppb	2.4044	0.5	157164	93.51317
Tl 190.794	4780.84	ppb	32.9373	0.7	5671.84	95.61687
V 292.401	4823.04	ppb	20.7601	0.4	150618	96.46070
Zn 206.200	2346.96	ppb	19.0627	0.8	2678.38	93.87846

Cont Calib Blank (CCB) **2/4/2015, 3:27:52 AM** **Rack 3, Tube 50**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	470.522	468.099	469.392
Al 308.215	4674.38	4686.62	4674.71
As 188.980	471.790	473.980	476.711
B 249.678	474.837	476.722	475.838
Ba 389.178	4641.70	4643.64	4638.81
Be 313.042	479.139	478.252	478.124
Ca 370.602	4658	4679	4676
Cd 226.502	467.268	469.051	468.095
Co 228.615	479.185	478.007	477.731
Cr 267.716	4808.76	4816.40	4801.90
Cu 324.754	4963.19	4999.53	4896.69
Fe 271.441	4627.04	4636.29	4624.15
K 766.491	10142.8	10142.4	10102.1
Mg 279.078	4784.19	4801.02	4792.27
Mn 257.610	4781.42	4816.48	4796.16
Mo 202.032	467.791	467.807	468.301
Na 330.237	7332.01	7338.06	7115.71

Label	Replicates Concentration		
Ni 231.604	2384.51	2351.52	2366.84
Pb 220.353	463.321	469.711	469.308
Sb 206.834	929.688	930.383	931.233
Se 196.026	4729.25	4721.81	4714.26
Sn 189.925	4689.39	4680.23	4751.18
Sr 216.596	2310.08	2309.88	2307.30
Ti 334.941	463.498	463.244	462.200
Tl 190.794	4713.06	4735.44	4737.27
V 292.401	4773.89	4779.14	4760.09
Zn 206.200	2325.83	2320.51	2329.35

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	469.338	ppb	1.2120	0.3	43629.5	469.33780Z
Al 308.215	4678.57	ppb	6.9770	0.1	37883.3	4678.56934Z
As 188.980	474.160	ppb	2.4653	0.5	335.747	474.16049Z
B 249.678	475.799	ppb	0.9433	0.2	9174.95	475.79886Z
Ba 389.178	4641.38	ppb	2.4317	0.1	116740	4641.38477Z
Be 313.042	478.505	ppb	0.5528	0.1	1012989	478.50513Z
Ca 370.602	4671	ppb	11.15	0.2	14242	4670.94824Z
Cd 226.502	468.138	ppb	0.8924	0.2	22202.8	468.13818Z
Co 228.615	478.308	ppb	0.7724	0.2	5783.49	478.30753Z
Cr 267.716	4809.02	ppb	7.2565	0.2	290898	4809.01904Z
Cu 324.754	4953.13	ppb	52.1529	1.1	376649	4953.13330Z
Fe 271.441	4629.16	ppb	6.3403	0.1	8313.43	4629.15869Z
K 766.491	10129.1	ppb	23.4052	0.2	486777	0129.10059Z
Mg 279.078	4792.49	ppb	8.4131	0.2	14143.6	4792.49219Z
Mn 257.610	4798.02	ppb	17.6034	0.4	1205104	4798.01758Z
Mo 202.032	467.966	ppb	0.2899	0.1	3388.10	467.96637Z
Na 330.237	7261.92	ppb	126.664	1.7	380.009	7261.92480Z
Ni 231.604	2367.62	ppb	16.5086	0.7	7957.62	2367.61963Z
Pb 220.353	467.447	ppb	3.5783	0.8	789.313	467.44669Z
Sb 206.834	930.435	ppb	0.7735	0.1	1433.55	930.43457Z
Se 196.026	4721.77	ppb	7.4967	0.2	2337.56	4721.77393Z
Sn 189.925	4706.93	ppb	38.5894	0.8	3671.96	4706.93408Z
Sr 216.596	2309.09	ppb	1.5509	0.1	29325.0	2309.09058Z
Ti 334.941	462.981	ppb	0.6876	0.1	155622	462.98080Z
Tl 190.794	4728.59	ppb	13.4785	0.3	5609.76	4728.58838Z
V 292.401	4771.04	ppb	9.8427	0.2	148993	4771.03955Z
Zn 206.200	2325.23	ppb	4.4478	0.2	2653.58	2325.23242Z

460-89825-f-1-b (Samp) **2/4/2015, 3:32:28 AM** **Rack 3, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	0.0704u	-0.0605u	0.2748
Al 308.215	11.6947	10.2859	10.7166
As 188.980	-0.2993u	1.2517	4.2561
B 249.678	46.9109	46.8085	47.1543
Ba 389.178	48.3112	48.3225	48.7097
Be 313.042	0.1147	0.1150	0.1106
Ca 370.602	12121	12024	12010
Cd 226.502	0.0901	0.1175	0.0385
Co 228.615	0.9331	1.0877	1.0116
Cr 267.716	1.1087	1.0777	0.9518

Label	Replicates Concentration		
Cu 324.754	3.5277	3.4956	3.6393
Fe 271.441	63.4017	70.2214	68.8963
K 766.491	3448.36	3460.86	3442.80
Mg 279.078	2765.04	2750.30	2753.70
Mn 257.610	3.8488	3.8703	3.8209
Mo 202.032	0.2925	-0.0207u	0.4658
Na 330.237	29576.1	29450.4	29269.9
Ni 231.604	13.1907	14.6400	14.1867
Pb 220.353	2.2752	2.7140	0.4695
Sb 206.834	0.3245	-0.9052u	1.8327
Se 196.026	3.4276	3.4147	3.1604
Sn 189.925	-2.6791u	1.3103	-0.2352u
Sr 216.596	190.465	189.053	190.711
Ti 334.941	0.2229	0.2061	0.1959
Tl 190.794	2.5192	0.1087	0.0492
V 292.401	0.6446	0.9269	0.7255
Zn 206.200	37.1434	36.1827	36.8311

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0949	ppb	0.1690	178.1	0.9971
Al 308.215	10.8991	ppb	0.7219	6.6	430.559
As 188.980	1.7362	ppb	2.3160	133.4	-4.3624
B 249.678	46.9579	ppb	0.1776	0.4	933.329
Ba 389.178	48.4478	ppb	0.2269	0.5	1186.74
Be 313.042	0.1134	ppb	0.0024	2.2	-69.1793
Ca 370.602	12052	ppb	60.33	0.5	35859
Cd 226.502	0.0820	ppb	0.0401	48.9	25.8285
Co 228.615	1.0108	ppb	0.0773	7.6	7.9928
Cr 267.716	1.0460	ppb	0.0831	7.9	78.1130
Cu 324.754	3.5542	ppb	0.0754	2.1	431.806
Fe 271.441	67.5065	ppb	3.6161	5.4	130.821
K 766.491	3450.67	ppb	9.2492	0.3	166034
Mg 279.078	2756.35	ppb	7.7198	0.3	8208.17
Mn 257.610	3.8467	ppb	0.0247	0.6	1047.38
Mo 202.032	0.2459	ppb	0.2466	100.3	8.0170
Na 330.237	29432.1	ppb	153.868	0.5	1680.91
Ni 231.604	14.0058	ppb	0.7414	5.3	42.6340
Pb 220.353	1.8196	ppb	1.1896	65.4	16.5263
Sb 206.834	0.4173	ppb	1.3713	328.6	0.2787
Se 196.026	3.3342	ppb	0.1506	4.5	7.0074
Sn 189.925	-0.5347	ppb	2.0115	376.2	-5.6934
Sr 216.596	190.076	ppb	0.8947	0.5	2425.23
Ti 334.941	0.2083	ppb	0.0137	6.6	19.8589
Tl 190.794	0.8924	ppb	1.4092	157.9	-7.1702
V 292.401	0.7657	ppb	0.1454	19.0	16.1430
Zn 206.200	36.7191	ppb	0.4901	1.3	42.7389

mb 680-369306/1-b (Samp) **2/4/2015, 3:37:05 AM** **Rack 3, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	0.0296	0.0790	0.0110
Al 308.215	1.1071	2.5098	2.4947
As 188.980	-0.9204u	-0.6594u	1.1173

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Label	Replicates Concentration		
B 249.678	1.8942	1.5116	1.4552
Ba 389.178	-0.4814u	-0.2598u	-0.6361u
Be 313.042	0.0146	0.0077	0.0101
Ca 370.602	3.070	-2.053u	0.3342
Cd 226.502	0.0509	0.0786	-0.0129u
Co 228.615	-0.1182u	0.3492	-0.0111u
Cr 267.716	0.1537	0.1782	0.2209
Cu 324.754	0.1884	0.4364	0.3533
Fe 271.441	13.8439	18.0165	17.2378
K 766.491	1.7825	1.3875	1.4908
Mg 279.078	0.3042	-2.1323u	-0.5220u
Mn 257.610	0.2609	0.2706	0.2629
Mo 202.032	-0.1284u	-0.0610u	0.1642
Na 330.237	-133.613u	38.3025	-58.5223u
Ni 231.604	-0.2500u	0.3930	-0.0427u
Pb 220.353	0.3579	-2.9955u	-2.6351u
Sb 206.834	-0.4404u	-2.0079u	3.4581
Se 196.026	-0.3387u	0.0108	-1.5475u
Sn 189.925	-1.0194u	-0.3304u	1.1753
Sr 216.596	0.3814	0.4651	-0.0876u
Ti 334.941	0.0722	0.0972	0.0711
Tl 190.794	3.2097	1.1645	3.0272
V 292.401	0.1073	0.0777	0.1802
Zn 206.200	1.7056	-0.3951u	1.4278

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0399	ppb	0.0351	88.1	3.0976
Al 308.215	2.0372	ppb	0.8055	39.5	360.772
As 188.980	-0.1542	ppb	1.1088	719.3	-5.7235
B 249.678	1.6203	ppb	0.2388	14.7	62.5107
Ba 389.178	-0.4591	ppb	0.1892	41.2	-49.9381
Be 313.042	0.0108	ppb	0.0035	32.5	-287.293
Ca 370.602	0.4504	ppb	2.563	569.1	18.28
Cd 226.502	0.0389	ppb	0.0469	120.8	23.7023
Co 228.615	0.0733	ppb	0.2449	334.1	-3.3458
Cr 267.716	0.1843	ppb	0.0340	18.5	25.2796
Cu 324.754	0.3260	ppb	0.1262	38.7	186.375
Fe 271.441	16.3661	ppb	2.2187	13.6	40.1641
K 766.491	1.5536	ppb	0.2049	13.2	384.348
Mg 279.078	-0.7834	ppb	1.2391	158.2	20.4556
Mn 257.610	0.2648	ppb	0.0051	1.9	123.215
Mo 202.032	-0.0084	ppb	0.1532	1827.5	6.1796
Na 330.237	-51.2777	ppb	86.1866	168.1	28.0558
Ni 231.604	0.0334	ppb	0.3282	982.0	-4.3609
Pb 220.353	-1.7576	ppb	1.8409	104.7	10.6181
Sb 206.834	0.3366	ppb	2.8146	836.1	0.1502
Se 196.026	-0.6252	ppb	0.8177	130.8	5.0514
Sn 189.925	-0.0582	ppb	1.1224	1929.4	-5.3310
Sr 216.596	0.2530	ppb	0.2979	117.8	4.5274
Ti 334.941	0.0802	ppb	0.0147	18.4	-26.0554
Tl 190.794	2.4671	ppb	1.1317	45.9	-5.2993
V 292.401	0.1217	ppb	0.0528	43.3	-3.6705
Zn 206.200	0.9128	ppb	1.1411	125.0	1.7294

lcs 680-369306/2-b (Samp) **2/4/2015, 3:41:41 AM** **Rack 3, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	50.1406	49.6750	50.1780
Al 308.215	4924.56	4896.74	4934.96
As 188.980	102.277	103.419	104.419
B 249.678	198.574	197.522	198.586
Ba 389.178	97.2487	96.9939	97.4511
Be 313.042	49.8413	49.5953	49.8884
Ca 370.602	4874	4859	4880
Cd 226.502	49.8835	49.8003	50.0141
Co 228.615	50.7284	50.0533	50.1189
Cr 267.716	102.191	101.716	102.269
Cu 324.754	102.272	101.481	102.709
Fe 271.441	4874.83	4871.68	4888.71
K 766.491	5424.91	5410.04	5457.63
Mg 279.078	5037.80	5016.71	5041.34
Mn 257.610	514.664	512.258	515.622
Mo 202.032	97.1265	97.7083	97.9748
Na 330.237	4697.89	4670.93	4584.99
Ni 231.604	98.9382	99.3938	99.3394
Pb 220.353	489.013	488.846	492.268
Sb 206.834	49.8376	49.9604	50.0936
Se 196.026	100.999	98.1783	98.8207
Sn 189.925	198.257	193.933	197.214
Sr 216.596	96.0167	95.9751	95.4472
Ti 334.941	98.6064	98.1981	98.8508
Tl 190.794	38.3903	38.9487	40.7730
V 292.401	101.729	101.180	102.014
Zn 206.200	99.4693	97.2065	98.8257

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.9979	ppb	0.2802	0.6	4650.93
Al 308.215	4918.75	ppb	19.7600	0.4	39041.4
As 188.980	103.372	ppb	1.0720	1.0	68.7812
B 249.678	198.227	ppb	0.6110	0.3	3827.11
Ba 389.178	97.2312	ppb	0.2291	0.2	2424.09
Be 313.042	49.7750	ppb	0.1574	0.3	105063
Ca 370.602	4871	ppb	10.95	0.2	14511
Cd 226.502	49.8993	ppb	0.1078	0.2	2408.35
Co 228.615	50.3002	ppb	0.3723	0.7	603.663
Cr 267.716	102.059	ppb	0.2993	0.3	6192.10
Cu 324.754	102.154	ppb	0.6223	0.6	7932.15
Fe 271.441	4878.41	ppb	9.0621	0.2	8655.11
K 766.491	5430.86	ppb	24.3493	0.4	261136
Mg 279.078	5031.95	ppb	13.3170	0.3	14952.3
Mn 257.610	514.181	ppb	1.7332	0.3	129251
Mo 202.032	97.6032	ppb	0.4338	0.4	712.428
Na 330.237	4651.27	ppb	58.9586	1.3	288.080
Ni 231.604	99.2238	ppb	0.2488	0.3	329.562
Pb 220.353	490.042	ppb	1.9292	0.4	822.559
Sb 206.834	49.9639	ppb	0.1280	0.3	73.3201
Se 196.026	99.3328	ppb	1.4787	1.5	54.5723
Sn 189.925	196.468	ppb	2.2565	1.1	148.204
Sr 216.596	95.8130	ppb	0.3175	0.3	1225.40

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	98.5518	ppb	0.3298	0.3	33093.2
Tl 190.794	39.3707	ppb	1.2461	3.2	37.8927
V 292.401	101.641	ppb	0.4236	0.4	3144.96
Zn 206.200	98.5005	ppb	1.1659	1.2	113.109

680-109417-a-5-d (Samp) **2/4/2015, 3:46:17 AM** **Rack 3, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	-0.2508u	-0.1461u	-0.1763u
Al 308.215	2.5636	3.6266	2.9154
As 188.980	0.2183	-1.0256u	3.9078
B 249.678	53.8394	53.5815	53.3761
Ba 389.178	105.402	105.597	105.304
Be 313.042	-0.0082	-0.0128u	-0.0061
Ca 370.602	58049	58152	58097
Cd 226.502	-0.0210u	-0.0466u	0.0054
Co 228.615	0.2253	-0.3948u	-0.0928u
Cr 267.716	0.0639	0.0357	-0.0595
Cu 324.754	0.1852	0.2842	0.2359
Fe 271.441	-0.6226u	5.9602	4.3769
K 766.491	3285.63	3281.43	3276.61
Mg 279.078	13014.4	13033.9	13015.8
Mn 257.610	631.860	632.101	630.776
Mo 202.032	1.5471	1.2928	1.3365
Na 330.237	38107.2	38166.3	38299.8
Ni 231.604	0.1617	0.3576	1.0660
Pb 220.353	-0.9837u	0.5526	0.3349
Sb 206.834	0.4147	4.7926	3.8978
Se 196.026	-5.7234u	-1.7812u	-0.2272
Sn 189.925	-0.0693u	-0.0893u	0.8448
Sr 216.596	272.508	274.559	273.925
Ti 334.941	0.0811	0.0150	0.1007
Tl 190.794	0.6273	-0.5497u	3.0107
V 292.401	-0.0743u	-0.0899u	0.1261
Zn 206.200	0.3879	-1.1317u	-0.3661u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1911	ppb	0.0539	28.2	-25.4954
Al 308.215	3.0352	ppb	0.5416	17.8	368.641
As 188.980	1.0335	ppb	2.5657	248.3	-4.8684
B 249.678	53.5990	ppb	0.2321	0.4	1061.07
Ba 389.178	105.434	ppb	0.1492	0.1	2644.04
Be 313.042	-0.0090	ppb	0.0034	37.6	-311.497
Ca 370.602	58099	ppb	51.91	0.1	172823
Cd 226.502	-0.0207	ppb	0.0260	125.4	20.7433
Co 228.615	-0.0874	ppb	0.3101	354.6	-5.3252
Cr 267.716	0.0134	ppb	0.0647	482.7	19.2718
Cu 324.754	0.2351	ppb	0.0495	21.1	179.516
Fe 271.441	3.2382	ppb	3.4360	106.1	16.9081
K 766.491	3281.22	ppb	4.5153	0.1	157896
Mg 279.078	13021.4	ppb	10.8473	0.1	38677.8
Mn 257.610	631.579	ppb	0.7060	0.1	158789
Mo 202.032	1.3921	ppb	0.1360	9.8	16.3187

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	38191.1	ppb	98.6961	0.3	2173.15
Ni 231.604	0.5285	ppb	0.4757	90.0	-2.6970
Pb 220.353	-0.0321	ppb	0.8313	2592.4	13.5997
Sb 206.834	3.0350	ppb	2.3130	76.2	4.1147
Se 196.026	-2.5772	ppb	2.8333	109.9	4.2451
Sn 189.925	0.2287	ppb	0.5337	233.3	-5.0941
Sr 216.596	273.664	ppb	1.0501	0.4	3508.35
Ti 334.941	0.0656	ppb	0.0449	68.5	-8.1068
Tl 190.794	1.0294	ppb	1.8139	176.2	-6.6549
V 292.401	-0.0127	ppb	0.1205	948.7	-8.3469
Zn 206.200	-0.3700	ppb	0.7598	205.4	0.2608

680-109417-a-5-dSD^5 (Samp) **2/4/2015, 3:50:54 AM** **Rack 3, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	0.1360	-0.2898u	-0.0388u
Al 308.215	1.9077	2.4586	2.0600
As 188.980	-2.4458u	0.4919	-0.5172u
B 249.678	11.0386	11.3868	10.8335
Ba 389.178	19.9548	21.1537	20.9281
Be 313.042	0.0085	-0.0001	-0.0010
Ca 370.602	11387	11557	11498
Cd 226.502	-0.0650u	0.0548	-0.0384u
Co 228.615	0.0866	0.1289	-0.2681u
Cr 267.716	0.3455	0.4271	0.2259
Cu 324.754	-0.2001u	-0.1053u	0.0444
Fe 271.441	-0.0298u	0.2402	10.4311
K 766.491	597.866	605.703	609.242
Mg 279.078	2546.61	2585.76	2588.11
Mn 257.610	126.716	128.550	128.591
Mo 202.032	0.1003	-0.2227u	0.3890
Na 330.237	7095.72	7237.82	7201.87
Ni 231.604	-0.6531u	0.3959	0.5763
Pb 220.353	-0.7867u	0.9298	-1.9744u
Sb 206.834	1.1781	2.9424	0.3807
Se 196.026	9.9161	0.0391	0.8415
Sn 189.925	0.8795	1.5786	-0.7529u
Sr 216.596	53.3414	55.3040	54.7952
Ti 334.941	0.0772	0.1024	0.0550
Tl 190.794	1.5036	-0.5250u	2.8278
V 292.401	-0.0557u	-0.2481u	-0.0788u
Zn 206.200	-0.1526u	1.8369	-0.8858u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0642	ppb	0.2140	333.5	-7.9743
Al 308.215	2.1421	ppb	0.2844	13.3	361.560
As 188.980	-0.8237	ppb	1.4926	181.2	-6.2057
B 249.678	11.0863	ppb	0.2797	2.5	244.416
Ba 389.178	20.6789	ppb	0.6371	3.1	487.751
Be 313.042	0.0024	ppb	0.0052	215.5	-301.419
Ca 370.602	11481	ppb	86.25	0.8	34165
Cd 226.502	-0.0162	ppb	0.0629	388.3	21.0162
Co 228.615	-0.0175	ppb	0.2180	1242.8	-4.4433

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.3328	ppb	0.1012	30.4	35.1245
Cu 324.754	-0.0870	ppb	0.1233	141.7	154.977
Fe 271.441	3.5472	ppb	5.9632	168.1	17.4520
K 766.491	604.270	ppb	5.8220	1.0	29330.8
Mg 279.078	2573.49	ppb	23.3088	0.9	7662.33
Mn 257.610	127.952	ppb	1.0713	0.8	32213.9
Mo 202.032	0.0889	ppb	0.3060	344.4	6.8845
Na 330.237	7178.47	ppb	73.8811	1.0	433.595
Ni 231.604	0.1064	ppb	0.6639	624.2	-4.1165
Pb 220.353	-0.6104	ppb	1.4601	239.2	12.5384
Sb 206.834	1.5004	ppb	1.3109	87.4	1.8742
Se 196.026	3.5989	ppb	5.4856	152.4	7.1684
Sn 189.925	0.5684	ppb	1.1965	210.5	-4.8391
Sr 216.596	54.4802	ppb	1.0185	1.9	699.418
Ti 334.941	0.0782	ppb	0.0237	30.3	-22.1661
Tl 190.794	1.2688	ppb	1.6887	133.1	-6.6477
V 292.401	-0.1276	ppb	0.1051	82.3	-11.5001
Zn 206.200	0.2662	ppb	1.4088	529.3	0.9888

680-109417-a-5-dPDS (Samp) **2/4/2015, 3:55:30 AM** **Rack 3, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	65.5086	65.0289	65.4348
Al 308.215	759.931	757.591	759.341
As 188.980	74.2159	75.3359	80.4796
B 249.678	198.616	198.657	198.502
Ba 389.178	168.167	168.617	167.503
Be 313.042	72.6030	72.4642	72.3717
Ca 370.602	65417	65218	65173
Cd 226.502	71.9408	71.6772	71.5951
Co 228.615	73.0369	72.2255	72.2191
Cr 267.716	74.4326	74.0800	74.2880
Cu 324.754	76.6429	76.5647	76.6780
Fe 271.441	7216.50	7188.05	7191.85
K 766.491	11778.1	11888.9	11974.1
Mg 279.078	20481.3	20459.6	20409.7
Mn 257.610	1386.42	1382.20	1381.40
Mo 202.032	72.9094	73.0803	73.1301
Na 330.237	45116.9	45292.9	45022.0
Ni 231.604	74.0582	73.2729	73.1298
Pb 220.353	68.7165	70.1993	73.0350
Sb 206.834	59.9258	62.0611	69.0934
Se 196.026	80.0911	77.9588	73.1056
Sn 189.925	74.3685	76.9502	69.9207
Sr 216.596	342.249	341.322	340.016
Ti 334.941	72.7510	72.7157	72.5610
Tl 190.794	15.1531	15.7364	13.9368
V 292.401	75.9789	75.4603	76.0205
Zn 206.200	71.9555	73.2912	71.9686

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	65.3241	ppb	0.2583	0.4	6071.98
Al 308.215	758.954	ppb	1.2168	0.2	6326.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	76.6772	ppb	3.3403	4.4	49.5443
B 249.678	198.592	ppb	0.0804	0.0	3828.17
Ba 389.178	168.096	ppb	0.5603	0.3	4244.32
Be 313.042	72.4796	ppb	0.1164	0.2	153153
Ca 370.602	65269	ppb	129.9	0.2	194123
Cd 226.502	71.7377	ppb	0.1806	0.3	3453.81
Co 228.615	72.4938	ppb	0.4703	0.6	872.311
Cr 267.716	74.2669	ppb	0.1772	0.2	4517.74
Cu 324.754	76.6285	ppb	0.0580	0.1	5992.07
Fe 271.441	7198.80	ppb	15.4470	0.2	12765.5
K 766.491	11880.4	ppb	98.2627	0.8	570885
Mg 279.078	20450.2	ppb	36.7011	0.2	60721.5
Mn 257.610	1383.34	ppb	2.6970	0.2	347679
Mo 202.032	73.0400	ppb	0.1157	0.2	534.529
Na 330.237	45143.9	ppb	137.494	0.3	2559.38
Ni 231.604	73.4870	ppb	0.4999	0.7	243.156
Pb 220.353	70.6503	ppb	2.1942	3.1	130.801
Sb 206.834	63.6934	ppb	4.7968	7.5	93.7479
Se 196.026	77.0518	ppb	3.5800	4.6	43.8128
Sn 189.925	73.7465	ppb	3.5558	4.8	52.3433
Sr 216.596	341.195	ppb	1.1216	0.3	4377.60
Ti 334.941	72.6759	ppb	0.1011	0.1	24420.6
Tl 190.794	14.9421	ppb	0.9182	6.1	9.1273
V 292.401	75.8199	ppb	0.3122	0.4	2342.49
Zn 206.200	72.4051	ppb	0.7675	1.1	83.1914

680-109417-a-5-e ms (Samp) **2/4/2015, 4:00:06 AM** **Rack 3, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	49.5559	49.9099	49.8491
Al 308.215	4977.75	4975.89	4969.29
As 188.980	106.495	105.296	106.136
B 249.678	248.661	248.537	248.859
Ba 389.178	197.169	196.795	197.329
Be 313.042	48.8029	48.7180	48.8360
Ca 370.602	61738	61884	61960
Cd 226.502	48.5313	48.5126	48.6999
Co 228.615	48.4538	48.4221	48.5718
Cr 267.716	99.2371	98.8061	99.1541
Cu 324.754	102.805	102.057	102.193
Fe 271.441	4747.76	4757.11	4740.51
K 766.491	9096.95	9110.84	9073.36
Mg 279.078	17790.8	17768.3	17792.4
Mn 257.610	1121.57	1121.27	1121.22
Mo 202.032	96.0667	95.5345	95.8927
Na 330.237	42880.6	42507.1	42727.5
Ni 231.604	97.4881	96.8449	98.6796
Pb 220.353	478.232	479.411	477.803
Sb 206.834	48.6382	51.5256	50.4010
Se 196.026	99.6728	98.4290	100.584
Sn 189.925	196.196	191.278	190.926
Sr 216.596	361.777	360.828	360.878
Ti 334.941	96.0477	95.9454	96.0119

Label	Replicates Concentration		
Tl 190.794	39.0432	40.4618	37.2889
V 292.401	99.2050	99.5356	98.8889
Zn 206.200	98.0638	98.8602	95.8975

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.7716	ppb	0.1893	0.4	4622.97
Al 308.215	4974.31	ppb	4.4457	0.1	39477.8
As 188.980	105.976	ppb	0.6156	0.6	70.6582
B 249.678	248.685	ppb	0.1625	0.1	4796.76
Ba 389.178	197.098	ppb	0.2737	0.1	4965.67
Be 313.042	48.7857	ppb	0.0609	0.1	102986
Ca 370.602	61861	ppb	112.6	0.2	184015
Cd 226.502	48.5813	ppb	0.1031	0.2	2345.21
Co 228.615	48.4826	ppb	0.0789	0.2	581.676
Cr 267.716	99.0658	ppb	0.2286	0.2	6015.21
Cu 324.754	102.352	ppb	0.3987	0.4	7947.05
Fe 271.441	4748.46	ppb	8.3227	0.2	8424.78
K 766.491	9093.72	ppb	18.9478	0.2	437051
Mg 279.078	17783.8	ppb	13.5101	0.1	52807.5
Mn 257.610	1121.35	ppb	0.1894	0.0	281851
Mo 202.032	95.8313	ppb	0.2714	0.3	699.611
Na 330.237	42705.1	ppb	187.771	0.4	2422.64
Ni 231.604	97.6708	ppb	0.9309	1.0	324.332
Pb 220.353	478.482	ppb	0.8324	0.2	803.603
Sb 206.834	50.1882	ppb	1.4554	2.9	73.6414
Se 196.026	99.5619	ppb	1.0818	1.1	54.8359
Sn 189.925	192.800	ppb	2.9464	1.5	145.352
Sr 216.596	361.161	ppb	0.5339	0.1	4625.99
Ti 334.941	96.0017	ppb	0.0519	0.1	32258.1
Tl 190.794	38.9313	ppb	1.5894	4.1	37.7304
V 292.401	99.2098	ppb	0.3234	0.3	3069.28
Zn 206.200	97.6072	ppb	1.5332	1.6	112.097

680-109417-a-5-f msd (Samp) **2/4/2015, 4:04:42 AM** **Rack 3, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	48.8077	48.9755	48.8247
Al 308.215	4877.34	4877.71	4879.59
As 188.980	102.649	103.737	105.584
B 249.678	242.165	243.024	243.434
Ba 389.178	192.720	193.062	192.287
Be 313.042	48.0392	47.9708	47.9100
Ca 370.602	59979	59845	60078
Cd 226.502	47.8427	47.6510	47.5686
Co 228.615	47.8832	48.0069	48.3635
Cr 267.716	97.4834	96.9547	97.2750
Cu 324.754	100.680	101.470	100.556
Fe 271.441	4675.11	4655.99	4662.67
K 766.491	8885.48	8918.76	8860.00
Mg 279.078	17351.6	17343.0	17354.6
Mn 257.610	1093.13	1092.98	1094.36
Mo 202.032	94.0892	94.5125	93.8058
Na 330.237	41525.3	41409.1	41694.6

Label	Replicates Concentration		
Ni 231.604	95.3354	95.1869	96.1410
Pb 220.353	470.157	467.092	472.686
Sb 206.834	50.9455	49.6046	46.2572
Se 196.026	97.3084	99.3557	98.4255
Sn 189.925	185.369	184.995	188.790
Sr 216.596	352.639	352.282	353.421
Ti 334.941	94.5670	94.2965	94.2555
Tl 190.794	39.7966	38.9591	40.3695
V 292.401	97.7280	97.8926	97.2745
Zn 206.200	93.4905	94.6204	94.4388

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.8693	ppb	0.0923	0.2	4539.15
Al 308.215	4878.21	ppb	1.2109	0.0	38721.9
As 188.980	103.990	ppb	1.4837	1.4	69.2291
B 249.678	242.874	ppb	0.6480	0.3	4685.32
Ba 389.178	192.690	ppb	0.3885	0.2	4853.72
Be 313.042	47.9733	ppb	0.0646	0.1	101266
Ca 370.602	59967	ppb	117.3	0.2	178384
Cd 226.502	47.6874	ppb	0.1406	0.3	2302.52
Co 228.615	48.0845	ppb	0.2494	0.5	576.866
Cr 267.716	97.2377	ppb	0.2663	0.3	5904.43
Cu 324.754	100.902	ppb	0.4958	0.5	7836.78
Fe 271.441	4664.59	ppb	9.7060	0.2	8276.23
K 766.491	8888.08	ppb	29.4636	0.3	427175
Mg 279.078	17349.7	ppb	6.0081	0.0	51519.0
Mn 257.610	1093.49	ppb	0.7592	0.1	274850
Mo 202.032	94.1358	ppb	0.3556	0.4	687.343
Na 330.237	41543.0	ppb	143.537	0.3	2357.54
Ni 231.604	95.5544	ppb	0.5134	0.5	317.208
Pb 220.353	469.978	ppb	2.8013	0.6	789.559
Sb 206.834	48.9358	ppb	2.4146	4.9	71.7903
Se 196.026	98.3632	ppb	1.0251	1.0	54.2366
Sn 189.925	186.384	ppb	2.0918	1.1	140.339
Sr 216.596	352.781	ppb	0.5827	0.2	4518.61
Ti 334.941	94.3730	ppb	0.1693	0.2	31709.7
Tl 190.794	39.7084	ppb	0.7093	1.8	38.6514
V 292.401	97.6317	ppb	0.3201	0.3	3020.33
Zn 206.200	94.1832	ppb	0.6068	0.6	108.181

mb 680-369330/1-a (Samp) **2/4/2015, 4:09:19 AM** **Rack 3, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	-0.2083u	-0.0952u	-0.2663u
Al 308.215	2.4011	2.4698	1.3469
As 188.980	-1.0187u	2.0143	3.0174
B 249.678	1.4731	1.5111	1.5030
Ba 389.178	-0.6173u	-0.2783u	-0.0347u
Be 313.042	0.0069	0.0062	0.0014
Ca 370.602	5.846	4.056	6.138
Cd 226.502	-0.0414u	-0.0608u	0.0167
Co 228.615	0.1105	0.2040	0.4770
Cr 267.716	0.1935	0.1690	0.1437

Label	Replicates Concentration		
Cu 324.754	0.4844	-0.3211u	0.0177
Fe 271.441	-2.6219u	-2.0231u	0.4741
K 766.491	1.3509	1.2015	0.3975
Mg 279.078	0.5703	0.1891	3.7194
Mn 257.610	0.1059	0.0473	0.0737
Mo 202.032	0.1495	-0.2445u	0.0649
Na 330.237	-235.091u	-189.826u	-26.9839u
Ni 231.604	-0.3490u	-0.7975u	-0.3921u
Pb 220.353	-2.3666u	-1.5208u	1.0497
Sb 206.834	1.1183	1.2488	-0.0244u
Se 196.026	0.2701	0.5855	-2.4762u
Sn 189.925	0.7525	-0.6096u	-1.4229u
Sr 216.596	-0.0619u	-0.1687u	-0.0930u
Ti 334.941	0.0888	0.1104	0.0946
Tl 190.794	0.3347	-2.8308u	1.9451
V 292.401	-0.2582u	-0.1032u	-0.4975u
Zn 206.200	0.7116	0.4246	0.6209

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1899	ppb	0.0870	45.8	-18.2727
Al 308.215	2.0726	ppb	0.6294	30.4	360.987
As 188.980	1.3377	ppb	2.1014	157.1	-4.6488
B 249.678	1.4957	ppb	0.0200	1.3	60.1881
Ba 389.178	-0.3101	ppb	0.2926	94.4	-46.1985
Be 313.042	0.0049	ppb	0.0030	61.3	-299.860
Ca 370.602	5.347	ppb	1.127	21.1	33.02
Cd 226.502	-0.0285	ppb	0.0403	141.6	20.4331
Co 228.615	0.2638	ppb	0.1904	72.2	-1.0401
Cr 267.716	0.1687	ppb	0.0249	14.7	24.3311
Cu 324.754	0.0603	ppb	0.4044	670.7	166.172
Fe 271.441	-1.3903	ppb	1.6421	118.1	8.7516
K 766.491	0.9833	ppb	0.5128	52.1	356.959
Mg 279.078	1.4929	ppb	1.9375	129.8	27.2200
Mn 257.610	0.0756	ppb	0.0293	38.8	75.6794
Mo 202.032	-0.0101	ppb	0.2074	2061.2	6.1687
Na 330.237	-150.634	ppb	109.449	72.7	22.4972
Ni 231.604	-0.5129	ppb	0.2475	48.3	-6.2002
Pb 220.353	-0.9459	ppb	1.7792	188.1	11.9567
Sb 206.834	0.7809	ppb	0.7005	89.7	0.8086
Se 196.026	-0.5402	ppb	1.6841	311.8	5.0931
Sn 189.925	-0.4266	ppb	1.0992	257.6	-5.6189
Sr 216.596	-0.1079	ppb	0.0550	50.9	-0.0701
Ti 334.941	0.0979	ppb	0.0112	11.4	-20.0705
Tl 190.794	-0.1837	ppb	2.4298	1322.7	-8.4403
V 292.401	-0.2863	ppb	0.1986	69.4	-16.4130
Zn 206.200	0.5857	ppb	0.1467	25.0	1.3553

lcs 680-369330/2-a (Samp) **2/4/2015, 4:13:55 AM** **Rack 3, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	50.4648	50.9543	50.3005
Al 308.215	5017.94	5008.77	4963.07
As 188.980	110.272	103.750	104.043

Label	Replicates Concentration		
B 249.678	203.019	202.584	201.348
Ba 389.178	98.6611	98.1536	97.3351
Be 313.042	52.0089	51.8505	51.5515
Ca 370.602	4983	4949	4920
Cd 226.502	50.7785	50.3543	50.0743
Co 228.615	51.0115	51.1439	50.9140
Cr 267.716	104.011	103.477	102.792
Cu 324.754	104.753	103.852	103.477
Fe 271.441	4962.77	4935.23	4908.35
K 766.491	5367.53	5380.40	5345.13
Mg 279.078	5111.91	5102.80	5055.41
Mn 257.610	523.924	521.116	518.311
Mo 202.032	99.5408	100.396	99.7356
Na 330.237	4820.88	4859.21	4713.52
Ni 231.604	100.536	99.3426	99.8246
Pb 220.353	491.969	495.787	491.121
Sb 206.834	49.2069	52.0016	51.7778
Se 196.026	104.905	97.4239	96.5043
Sn 189.925	198.764	198.017	198.345
Sr 216.596	97.1034	96.6699	96.7410
Ti 334.941	100.325	100.130	99.3889
Tl 190.794	40.3422	38.8434	40.7886
V 292.401	103.439	103.020	102.492
Zn 206.200	99.3466	100.040	99.0662

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.5732	ppb	0.3401	0.7	4704.46
Al 308.215	4996.60	ppb	29.3922	0.6	39653.8
As 188.980	106.022	ppb	3.6837	3.5	70.6888
B 249.678	202.317	ppb	0.8671	0.4	3905.59
Ba 389.178	98.0499	ppb	0.6690	0.7	2444.87
Be 313.042	51.8036	ppb	0.2323	0.4	109357
Ca 370.602	4951	ppb	31.34	0.6	14748
Cd 226.502	50.4024	ppb	0.3546	0.7	2432.42
Co 228.615	51.0232	ppb	0.1154	0.2	612.374
Cr 267.716	103.427	ppb	0.6113	0.6	6274.90
Cu 324.754	104.028	ppb	0.6559	0.6	8074.67
Fe 271.441	4935.45	ppb	27.2087	0.6	8756.18
K 766.491	5364.35	ppb	17.8482	0.3	257942
Mg 279.078	5090.04	ppb	30.3355	0.6	15124.6
Mn 257.610	521.117	ppb	2.8063	0.5	130994
Mo 202.032	99.8908	ppb	0.4482	0.4	728.983
Na 330.237	4797.87	ppb	75.5230	1.6	296.261
Ni 231.604	99.9010	ppb	0.6003	0.6	331.843
Pb 220.353	492.959	ppb	2.4859	0.5	827.373
Sb 206.834	50.9954	ppb	1.5530	3.0	74.8265
Se 196.026	99.6110	ppb	4.6076	4.6	54.7120
Sn 189.925	198.375	ppb	0.3744	0.2	149.694
Sr 216.596	96.8381	ppb	0.2325	0.2	1238.50
Ti 334.941	99.9480	ppb	0.4940	0.5	33562.8
Tl 190.794	39.9914	ppb	1.0189	2.5	38.6194
V 292.401	102.984	ppb	0.4745	0.5	3186.39
Zn 206.200	99.4844	ppb	0.5014	0.5	114.231

Cont Calib Verif (CCV) **2/4/2015, 4:18:32 AM** **Rack 4, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	458.159	473.215	469.917
Al 308.215	4557.33	4683.69	4706.81
As 188.980	464.797	477.637	479.214
B 249.678	464.318	477.356	478.406
Ba 389.178	4506.42	4630.16	4645.25
Be 313.042	464.965	477.322	479.290
Ca 370.602	4536	4673	4703
Cd 226.502	456.873	470.251	470.477
Co 228.615	466.474	479.567	480.740
Cr 267.716	4691.59	4817.26	4836.09
Cu 324.754	4795.96	4985.83	4936.09
Fe 271.441	4529.17	4644.28	4665.78
K 766.491	9859.73	10132.0	10132.3
Mg 279.078	4683.49	4807.59	4825.52
Mn 257.610	4689.50	4798.67	4822.56
Mo 202.032	454.643	468.167	467.333
Na 330.237	7042.73	7239.78	7214.12
Ni 231.604	2327.94	2379.49	2397.75
Pb 220.353	452.524	468.020	473.597
Sb 206.834	898.189	932.378	937.572
Se 196.026	4622.54	4771.06	4741.00
Sn 189.925	4583.15	4732.60	4718.14
Sr 216.596	2253.78	2305.83	2310.27
Ti 334.941	450.892	462.283	463.489
Tl 190.794	4610.99	4711.96	4760.93
V 292.401	4645.82	4776.77	4787.12
Zn 206.200	2274.89	2330.54	2342.45

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	467.097	ppb	7.9142	1.7	43421.5	93.41939
Al 308.215	4649.28	ppb	80.4619	1.7	37647.2	92.98557
As 188.980	473.882	ppb	7.9077	1.7	335.548	94.77650
B 249.678	473.360	ppb	7.8482	1.7	9128.00	94.67198
Ba 389.178	4593.94	ppb	76.1715	1.7	115546	91.87888
Be 313.042	473.859	ppb	7.7649	1.6	1003150	94.77179
Ca 370.602	4637	ppb	89.11	1.9	14139	92.74340
Cd 226.502	465.867	ppb	7.7900	1.7	22095.2	93.17340
Co 228.615	475.594	ppb	7.9194	1.7	5750.62	95.11875
Cr 267.716	4781.65	ppb	78.5590	1.6	289242	95.63294
Cu 324.754	4905.96	ppb	98.4532	2.0	373063	98.11922
Fe 271.441	4613.08	ppb	73.4586	1.6	8284.29	92.26154
K 766.491	10041.3	ppb	157.261	1.6	482561	100.41319
Mg 279.078	4772.20	ppb	77.3478	1.6	14083.9	95.44402
Mn 257.610	4770.24	ppb	70.9355	1.5	1198128	95.40482
Mo 202.032	463.381	ppb	7.5788	1.6	3354.95	92.67617
Na 330.237	7165.54	ppb	107.128	1.5	374.962	95.54056
Ni 231.604	2368.39	ppb	36.2057	1.5	7960.22	94.73562
Pb 220.353	464.714	ppb	10.9183	2.3	784.776	92.94273
Sb 206.834	922.713	ppb	21.3963	2.3	1421.75	92.27131
Se 196.026	4711.54	ppb	78.5209	1.7	2332.50	94.23072
Sn 189.925	4677.97	ppb	82.4261	1.8	3649.32	93.55930
Sr 216.596	2289.96	ppb	31.4137	1.4	29081.4	91.59835

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	458.888	ppb	6.9508	1.5	154246	91.77766
Tl 190.794	4694.63	ppb	76.4591	1.6	5569.42	93.89250
V 292.401	4736.57	ppb	78.7608	1.7	147917	94.73138
Zn 206.200	2315.96	ppb	36.0611	1.6	2643.03	92.63850

Cont Calib Blank (CCB) **2/4/2015, 4:23:09 AM** **Rack 4, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	-0.1007u	0.0310	0.0682
Al 308.215	0.1828	1.2282	1.2720
As 188.980	2.9887	-0.3131u	1.2016
B 249.678	2.4759	1.8845	1.9293
Ba 389.178	-0.1683u	0.0607	-0.4104u
Be 313.042	0.0137	0.0159	0.0191
Ca 370.602	-0.5830u	-3.493u	1.933
Cd 226.502	-0.0399u	-0.1012u	0.0323
Co 228.615	0.0558	0.2888	0.0099
Cr 267.716	0.3036	0.2836	0.1716
Cu 324.754	0.2744	0.1327	0.3755
Fe 271.441	-3.6582u	-1.2371u	1.8325
K 766.491	0.9689	1.1212	1.8334
Mg 279.078	-0.8821u	-0.6302u	-0.8074u
Mn 257.610	0.1470	0.2074	0.2699
Mo 202.032	0.1320	0.0902	0.2947
Na 330.237	7.5583	-117.277u	4.8387
Ni 231.604	0.1507	0.5806	-0.8841u
Pb 220.353	-0.8000u	-1.4184u	-1.2308u
Sb 206.834	5.2569	1.4231	2.7368
Se 196.026	-2.7634u	-3.4345u	-5.2506u
Sn 189.925	-1.9791u	-1.2241u	0.5039
Sr 216.596	0.0026	0.2390	0.3035
Ti 334.941	0.1074	0.1521	0.0934
Tl 190.794	1.8786	-0.4578u	0.0568
V 292.401	0.3758	0.0076	-0.0610u
Zn 206.200	-0.2736u	2.0266	-1.1395u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0005	ppb	0.0887	17659.7	-0.6572	-0.00050
Al 308.215	0.8943	ppb	0.6166	68.9	351.787	0.89433
As 188.980	1.2924	ppb	1.6528	127.9	-4.6815	1.29238
B 249.678	2.0966	ppb	0.3293	15.7	71.7274	2.09659
Ba 389.178	-0.1727	ppb	0.2356	136.4	-42.7439	-0.17267
Be 313.042	0.0162	ppb	0.0027	16.9	-275.786	0.01624
Ca 370.602	-0.7144	ppb	2.716	380.1	15.00	-0.71438
Cd 226.502	-0.0363	ppb	0.0668	184.0	20.0670	-0.03631
Co 228.615	0.1182	ppb	0.1495	126.5	-2.8064	0.11819
Cr 267.716	0.2529	ppb	0.0711	28.1	29.4225	0.25292
Cu 324.754	0.2609	ppb	0.1220	46.8	181.424	0.26087
Fe 271.441	-1.0209	ppb	2.7517	269.5	9.3871	-1.02093
K 766.491	1.3078	ppb	0.4615	35.3	372.542	1.30781
Mg 279.078	-0.7733	ppb	0.1294	16.7	20.4875	-0.77326
Mn 257.610	0.2081	ppb	0.0615	29.5	108.932	0.20810
Mo 202.032	0.1723	ppb	0.1081	62.7	7.4882	0.17227

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-34.9599	ppb	71.3013	204.0	28.9955	-34.95989
Ni 231.604	-0.0509	ppb	0.7529	1478.9	-4.6460	-0.05091
Pb 220.353	-1.1497	ppb	0.3171	27.6	11.6202	-1.14972
Sb 206.834	3.1389	ppb	1.9483	62.1	4.2925	3.13894
Se 196.026	-3.8161	ppb	1.2868	33.7	3.4760	-3.81615
Sn 189.925	-0.8998	ppb	1.2729	141.5	-5.9885	-0.89978
Sr 216.596	0.1817	ppb	0.1584	87.2	3.5999	0.18168
Ti 334.941	0.1176	ppb	0.0307	26.1	-13.4670	0.11761
Tl 190.794	0.4925	ppb	1.2277	249.2	-7.6390	0.49255
V 292.401	0.1075	ppb	0.2349	218.6	-4.1451	0.10745
Zn 206.200	0.2045	ppb	1.6363	800.1	0.9185	0.20450

640-50304-j-2-c (Samp) **2/4/2015, 4:27:46 AM** **Rack 4, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-0.1377u	-0.5018u	-0.1294u
Al 308.215	47.1286	48.4497	47.7683
As 188.980	4.8135	2.8837	0.9286
B 249.678	105.282	105.256	105.048
Ba 389.178	1186.41	1187.03	1190.11
Be 313.042	0.0115u	0.0031u	0.0141u
Ca 370.602	412913	413791	412382
Cd 226.502	0.0130	-0.0505	0.0319
Co 228.615	1.2960	0.6661	0.6324
Cr 267.716	1.7002	1.7026	1.6292
Cu 324.754	0.5450	0.8661	0.6236
Fe 271.441	19841.0	19817.3	19848.6
K 766.491	22474.3	22478.9	22563.4
Mg 279.078	112997	112790	112868
Mn 257.610	2244.45	2241.21	2244.63
Mo 202.032	0.1516	0.2744	0.4204
Na 330.237	1522233x	1516909x	1515409x
Ni 231.604	8.2222	7.6375	7.6433
Pb 220.353	-0.1302	2.3516	3.4670
Sb 206.834	4.4401	0.8557	1.9217
Se 196.026	6.6744	2.9001	13.2448
Sn 189.925	-3.6904u	-0.1528	2.8211
Sr 216.596	1729.62	1726.22	1725.81
Ti 334.941	2.4017	2.4112	2.3967
Tl 190.794	-3.0603u	-1.6884u	-4.9134u
V 292.401	6.8703	6.7749	6.7263
Zn 206.200	6.1045	4.1953	2.8153

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2563b	ppb	0.2126	83.0	-83.8333
Al 308.215	47.7822b	ppb	0.6607	1.4	723.885
As 188.980	2.8753b	ppb	1.9425	67.6	-3.6822
B 249.678	105.195b	ppb	0.1284	0.1	1999.35
Ba 389.178	1187.85b	ppb	1.9810	0.2	30120.7
Be 313.042	0.0096b	ppb	0.0058	60.2	-326.196
Ca 370.602	413029b	ppb	711.8	0.2	1228216
Cd 226.502	-0.0019b	ppb	0.0432	2302.4	113.537
Co 228.615	0.8648b	ppb	0.3738	43.2	7.7217

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	1.6773b	ppb	0.0417	2.5	172.709
Cu 324.754	0.6782b	ppb	0.1674	24.7	221.970
Fe 271.441	19835.6b	ppb	16.2819	0.1	35127.0
K 766.491	22505.5b	ppb	50.1579	0.2	1081176
Mg 279.078	112885b	ppb	104.409	0.1	335204
Mn 257.610	2243.43b	ppb	1.9277	0.1	564543
Mo 202.032	0.2821b	ppb	0.1346	47.7	7.2858
Na 330.237	1518184xb	ppb	3586.42	0.2	85182.0
Ni 231.604	7.8343b	ppb	0.3359	4.3	23.7119
Pb 220.353	1.8961b	ppb	1.8414	97.1	18.5221
Sb 206.834	2.4059b	ppb	1.8406	76.5	3.6180
Se 196.026	7.6064b	ppb	5.2349	68.8	9.8690
Sn 189.925	-0.3407b	ppb	3.2598	956.9	-5.0432
Sr 216.596	1727.22b	ppb	2.0914	0.1	22181.4
Ti 334.941	2.4032b	ppb	0.0074	0.3	844.278
Tl 190.794	-3.2207b	ppb	1.6185	50.3	-14.1329
V 292.401	6.7905b	ppb	0.0733	1.1	184.204
Zn 206.200	4.3717b	ppb	1.6517	37.8	4.9476

640-50304-j-7-c (Samp) **2/4/2015, 4:32:23 AM** **Rack 4, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-0.3810u	-0.1880u	-0.4881u
Al 308.215	19.6806	19.9047	17.1966
As 188.980	10.2428	5.2996	6.1993
B 249.678	139.522	139.467	139.373
Ba 389.178	3137.96	3140.21	3144.08
Be 313.042	0.0187u	0.0105u	0.0171u
Ca 370.602	469770	470875	470187
Cd 226.502	-0.0346	0.1227	0.1631
Co 228.615	7.0732	6.2784	7.2529
Cr 267.716	0.2494	0.0730	0.0817
Cu 324.754	0.0977	0.2649	0.2155
Fe 271.441	32746.0	32747.7	32692.6
K 766.491	36865.7	37072.5	36667.5
Mg 279.078	218186	218193	218487
Mn 257.610	742.404	741.527	741.247
Mo 202.032	8.5461	8.6885	8.8517
Na 330.237	1843361x	1849698x	1836150x
Ni 231.604	8.8499	9.0024	11.2984
Pb 220.353	-0.3938	5.1212	5.1325
Sb 206.834	5.8424	6.3465	0.5631
Se 196.026	-8.4087u	11.6679	9.9433
Sn 189.925	1.8544	-3.5243u	-6.3310u
Sr 216.596	2140.96	2132.83	2142.42
Ti 334.941	0.2596	0.2712	0.3230
Tl 190.794	-6.2531u	-2.4579u	-5.1655u
V 292.401	6.5700	6.4789	6.8368
Zn 206.200	4.4971	3.7734	4.1414

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3523b	ppb	0.1521	43.2	-121.447
Al 308.215	18.9273b	ppb	1.5030	7.9	498.728

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	7.2472b	ppb	2.6329	36.3	-0.6269
B 249.678	139.454b	ppb	0.0755	0.1	2623.16
Ba 389.178	3140.75b	ppb	3.0958	0.1	79500.2
Be 313.042	0.0155b	ppb	0.0044	28.2	-341.118
Ca 370.602	470277b	ppb	558.2	0.1	1398294
Cd 226.502	0.0837b	ppb	0.1045	124.7	182.336
Co 228.615	6.8682b	ppb	0.5186	7.6	80.9489
Cr 267.716	0.1347b	ppb	0.0994	73.8	85.4280
Cu 324.754	0.1927b	ppb	0.0859	44.6	191.195
Fe 271.441	32728.8b	ppb	31.3291	0.1	57952.9
K 766.491	36868.6b	ppb	202.527	0.5	1770986
Mg 279.078	218289b	ppb	171.731	0.1	648253
Mn 257.610	741.726b	ppb	0.6038	0.1	188375
Mo 202.032	8.6955b	ppb	0.1529	1.8	67.5476
Na 330.237	1843070xb	ppb	6778.94	0.4	103402
Ni 231.604	9.7169b	ppb	1.3717	14.1	31.2214
Pb 220.353	3.2866b	ppb	3.1874	97.0	21.3765
Sb 206.834	4.2507b	ppb	3.2034	75.4	6.4180
Se 196.026	4.4008b	ppb	11.1268	252.8	8.0375
Sn 189.925	-2.6670b	ppb	4.1595	156.0	-6.7504
Sr 216.596	2138.74b	ppb	5.1702	0.2	27459.8
Ti 334.941	0.2846b	ppb	0.0338	11.9	316.658
Tl 190.794	-4.6255b	ppb	1.9544	42.3	-18.8301
V 292.401	6.6286b	ppb	0.1860	2.8	170.177
Zn 206.200	4.1373b	ppb	0.3619	8.7	4.2030

640-50339-h-1-a (Samp) **2/4/2015, 4:37:00 AM** **Rack 4, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1469u	-0.1347u	-0.2189u
Al 308.215	193.685	192.647	193.684
As 188.980	-1.1769u	-0.2714u	-1.8721u
B 249.678	2220.86	2227.12	2226.88
Ba 389.178	357.206	357.917	357.341
Be 313.042	0.1109	0.1091u	0.1167
Ca 370.602	122601	123484	123688
Cd 226.502	0.0490	0.0654	0.2169
Co 228.615	0.5419	1.3372	1.1282
Cr 267.716	1.0148	1.0514	1.1456
Cu 324.754	2.2856	2.3339	2.2447
Fe 271.441	8314.12	8330.86	8336.95
K 766.491	103400x	103102x	103676x
Mg 279.078	195375	195916	195166
Mn 257.610	357.986	358.806	358.600
Mo 202.032	0.6952	-0.1246u	-0.2529u
Na 330.237	2072449x	2076332x	2069246x
Ni 231.604	4.0119	3.9952	4.2423
Pb 220.353	2.2579	4.3377	2.3000
Sb 206.834	2.7375	1.8823	4.7692
Se 196.026	11.5106	12.1564	11.4956
Sn 189.925	1.9771	-0.7739	0.6030
Sr 216.596	1184.02	1187.58	1177.84
Ti 334.941	3.0352	2.9760	2.8486

Label	Replicates Concentration		
Tl 190.794	-3.8740u	-1.1332u	-7.7721u
V 292.401	1.7395	2.1787	1.8539
Zn 206.200	7.4015	6.6835	6.2787

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1668b	ppb	0.0455	27.3	-64.3118
Al 308.215	193.338b	ppb	0.5991	0.3	1866.28
As 188.980	-1.1068b	ppb	0.8026	72.5	-6.4688
B 249.678	2224.96b	ppb	3.5477	0.2	42750.2
Ba 389.178	357.488b	ppb	0.3773	0.1	9416.25
Be 313.042	0.1122b	ppb	0.0039	3.5	-306.974
Ca 370.602	123258b	ppb	578.0	0.5	366509
Cd 226.502	0.1104b	ppb	0.0925	83.8	57.7365
Co 228.615	1.0024b	ppb	0.4123	41.1	8.6424
Cr 267.716	1.0706b	ppb	0.0675	6.3	132.087
Cu 324.754	2.2880b	ppb	0.0446	1.9	339.245
Fe 271.441	8327.31b	ppb	11.8230	0.1	14753.4
K 766.491	103392xb	ppb	287.016	0.3	4965906
Mg 279.078	195486b	ppb	387.419	0.2	580545
Mn 257.610	358.464b	ppb	0.4267	0.1	91829.8
Mo 202.032	0.1059b	ppb	0.5144	485.7	6.5899
Na 330.237	2072676xb	ppb	3548.64	0.2	116287
Ni 231.604	4.0831b	ppb	0.1381	3.4	10.0287
Pb 220.353	2.9652b	ppb	1.1888	40.1	19.0709
Sb 206.834	3.1297b	ppb	1.4829	47.4	4.4645
Se 196.026	11.7209b	ppb	0.3773	3.2	11.3184
Sn 189.925	0.6021b	ppb	1.3755	228.5	-4.1200
Sr 216.596	1183.15b	ppb	4.9277	0.4	15122.6
Ti 334.941	2.9533b	ppb	0.0954	3.2	1143.07
Tl 190.794	-4.2598b	ppb	3.3362	78.3	-14.4768
V 292.401	1.9240b	ppb	0.2278	11.8	32.9991
Zn 206.200	6.7879b	ppb	0.5686	8.4	8.1451

640-50339-p-2-a (Samp) **2/4/2015, 4:41:37 AM** **Rack 4, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0398u	-0.1687u	-0.3277u
Al 308.215	182.629	181.173	181.266
As 188.980	0.9758	-0.6824u	-1.7712u
B 249.678	2218.41	2222.46	2225.48
Ba 389.178	358.523	360.182	358.455
Be 313.042	0.1137	0.1091u	0.1121
Ca 370.602	123635	123237	123243
Cd 226.502	0.1127	0.0699	0.1458
Co 228.615	1.5291	0.6662	0.4623
Cr 267.716	1.1771	1.2166	0.9289
Cu 324.754	2.4196	2.4427	2.3800
Fe 271.441	8273.23	8258.23	8254.72
K 766.491	103531x	103663x	103274x
Mg 279.078	194695	194625	194889
Mn 257.610	358.436	358.530	358.055
Mo 202.032	0.0811	-0.6672u	-0.3855u
Na 330.237	2079453x	2075194x	2080348x

Label	Replicates Concentration		
Ni 231.604	3.2591	4.2857	3.8441
Pb 220.353	3.6991	-0.2433	2.5023
Sb 206.834	2.9440	5.1145	2.4194
Se 196.026	17.2264	12.8197	13.6932
Sn 189.925	4.5608	0.9711	1.6412
Sr 216.596	1178.21	1178.18	1181.65
Ti 334.941	2.7040	2.8654	2.7753
Tl 190.794	-0.2794u	-0.2008u	-5.0172u
V 292.401	1.8685	2.0179	1.6959
Zn 206.200	3.9281	7.8101	7.6521

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1787b	ppb	0.1442	80.7	-65.2929
Al 308.215	181.689b	ppb	0.8154	0.4	1774.65
As 188.980	-0.4926b	ppb	1.3833	280.8	-6.0258
B 249.678	2222.12b	ppb	3.5450	0.2	42695.8
Ba 389.178	359.053b	ppb	0.9780	0.3	9453.88
Be 313.042	0.1116b	ppb	0.0024	2.1	-307.818
Ca 370.602	123372b	ppb	227.8	0.2	366847
Cd 226.502	0.1094b	ppb	0.0380	34.8	57.3831
Co 228.615	0.8859b	ppb	0.5663	63.9	7.2343
Cr 267.716	1.1075b	ppb	0.1560	14.1	134.224
Cu 324.754	2.4141b	ppb	0.0317	1.3	348.785
Fe 271.441	8262.06b	ppb	9.8322	0.1	14637.9
K 766.491	103489xb	ppb	197.903	0.2	4970560
Mg 279.078	194736b	ppb	136.587	0.1	578319
Mn 257.610	358.340b	ppb	0.2516	0.1	91792.1
Mo 202.032	-0.3239b	ppb	0.3780	116.7	3.4819
Na 330.237	2078332xb	ppb	2753.86	0.1	116604
Ni 231.604	3.7963b	ppb	0.5150	13.6	9.0591
Pb 220.353	1.9860b	ppb	2.0213	101.8	17.4515
Sb 206.834	3.4927b	ppb	1.4288	40.9	5.0084
Se 196.026	14.5798b	ppb	2.3333	16.0	12.7290
Sn 189.925	2.3911b	ppb	1.9087	79.8	-2.7233
Sr 216.596	1179.35b	ppb	1.9918	0.2	15074.1
Ti 334.941	2.7816b	ppb	0.0809	2.9	1084.12
Tl 190.794	-1.8325b	ppb	2.7584	150.5	-11.5875
V 292.401	1.8608b	ppb	0.1611	8.7	31.1439
Zn 206.200	6.4634b	ppb	2.1971	34.0	7.7756

640-50339-h-4-a (Samp) **2/4/2015, 4:46:14 AM** **Rack 4, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2285u	-0.4288u	-0.0795u
Al 308.215	1189.61	1187.80	1187.44
As 188.980	15.7023	16.4919	21.8860
B 249.678	372.921	373.585	371.121
Ba 389.178	719.527	720.288	719.476
Be 313.042	0.2240	0.2319	0.2283
Ca 370.602	143134	142283	141662
Cd 226.502	-0.2437	-0.2445	-0.2515
Co 228.615	3.4372	3.3761	3.7241
Cr 267.716	1.9330	1.8108	1.8674

Label	Replicates Concentration		
Cu 324.754	0.7778	0.7504	0.8170
Fe 271.441	15780.8	15801.6	15772.1
K 766.491	20854.7	20840.4	20830.7
Mg 279.078	66601.9	66544.7	66417.4
Mn 257.610	779.961	780.640	779.669
Mo 202.032	-0.3272u	-0.1870u	0.1465
Na 330.237	411006x	408085x	410543x
Ni 231.604	9.4525	10.6192	9.5569
Pb 220.353	4.9129	7.6759	7.3202
Sb 206.834	3.4505	4.6501	-0.6469u
Se 196.026	-1.3305u	-0.2205	6.2190
Sn 189.925	-0.9737u	-1.5361u	-0.2295u
Sr 216.596	864.625	864.562	864.028
Ti 334.941	10.5882	10.5209	10.4539
Tl 190.794	-1.6030u	-3.1926u	-0.5287u
V 292.401	6.0974	6.1336	6.2875
Zn 206.200	18.8395	18.9110	19.2326

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2456b	ppb	0.1753	71.4	-56.1702
Al 308.215	1188.28b	ppb	1.1598	0.1	9691.54
As 188.980	18.0267b	ppb	3.3654	18.7	7.2604
B 249.678	372.542b	ppb	1.2748	0.3	7145.82
Ba 389.178	719.764b	ppb	0.4547	0.1	18235.1
Be 313.042	0.2281b	ppb	0.0039	1.7	173.076
Ca 370.602	142360b	ppb	738.7	0.5	423252
Cd 226.502	-0.2466b	ppb	0.0043	1.7	88.4255
Co 228.615	3.5125b	ppb	0.1858	5.3	39.6275
Cr 267.716	1.8704b	ppb	0.0612	3.3	149.251
Cu 324.754	0.7818b	ppb	0.0335	4.3	228.004
Fe 271.441	15784.8b	ppb	15.1517	0.1	27956.0
K 766.491	20842.0b	ppb	12.0617	0.1	1001281
Mg 279.078	66521.3b	ppb	94.4717	0.1	197552
Mn 257.610	780.090b	ppb	0.4983	0.1	196614
Mo 202.032	-0.1226b	ppb	0.2433	198.5	4.5593
Na 330.237	409878xb	ppb	1570.27	0.4	23016.7
Ni 231.604	9.8762b	ppb	0.6456	6.5	30.1963
Pb 220.353	6.6364b	ppb	1.5031	22.6	25.7220
Sb 206.834	2.4846b	ppb	2.7775	111.8	3.6576
Se 196.026	1.5560b	ppb	4.0762	262.0	6.4767
Sn 189.925	-0.9131b	ppb	0.6554	71.8	-5.8612
Sr 216.596	864.405b	ppb	0.3281	0.0	11083.4
Ti 334.941	10.5210b	ppb	0.0671	0.6	3583.06
Tl 190.794	-1.7748b	ppb	1.3403	75.5	-12.5408
V 292.401	6.1728b	ppb	0.1009	1.6	176.186
Zn 206.200	18.9944b	ppb	0.2094	1.1	21.8491

640-50339-h-5-a (Samp) **2/4/2015, 4:50:51 AM** **Rack 4, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3696u	-0.4274u	-0.3764u
Al 308.215	127.027	131.074	130.264
As 188.980	3.6514	-0.1002u	2.5178

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Label	Replicates Concentration		
B 249.678	1998.14	2015.22	2005.92
Ba 389.178	583.277	582.003	583.655
Be 313.042	0.1003	0.0950u	0.1011
Ca 370.602	197066	197133	197347
Cd 226.502	0.1356	0.3913	0.1689
Co 228.615	0.4084	0.6868	0.7419
Cr 267.716	0.2511	-0.0452	0.1398
Cu 324.754	1.0328	0.9250	0.9370
Fe 271.441	9531.15	9514.82	9546.63
K 766.491	115451x	115553x	116079x
Mg 279.078	266535	265929	267568
Mn 257.610	235.770	235.659	235.993
Mo 202.032	0.7140	-0.4115u	0.0356u
Na 330.237	2084431x	2080776x	2084677x
Ni 231.604	3.8284	1.8913	2.1789
Pb 220.353	1.8249	3.6493	1.2125
Sb 206.834	2.4581	0.7927	4.1521
Se 196.026	17.8635	15.7181	1.7012
Sn 189.925	-1.3512u	-2.2966u	-0.0545
Sr 216.596	1768.62	1765.20	1765.98
Ti 334.941	1.2827	1.2326	1.0834
Tl 190.794	-6.6946u	0.2387u	-5.3460u
V 292.401	1.9863	1.6597	1.7243
Zn 206.200	6.9681	4.3061	7.0373

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3911b	ppb	0.0316	8.1	-109.491
Al 308.215	129.455b	ppb	2.1412	1.7	1364.06
As 188.980	2.0230b	ppb	1.9241	95.1	-4.2228
B 249.678	2006.43b	ppb	8.5510	0.4	38549.1
Ba 389.178	582.978b	ppb	0.8658	0.1	15254.7
Be 313.042	0.0988b	ppb	0.0033	3.3	-311.713
Ca 370.602	197182b	ppb	146.6	0.1	586343
Cd 226.502	0.2319b	ppb	0.1390	59.9	70.5512
Co 228.615	0.6124b	ppb	0.1788	29.2	3.9887
Cr 267.716	0.1152b	ppb	0.1497	129.9	74.6445
Cu 324.754	0.9649b	ppb	0.0591	6.1	239.203
Fe 271.441	9530.87b	ppb	15.9096	0.2	16884.1
K 766.491	115694xb	ppb	336.977	0.3	5556733
Mg 279.078	266677b	ppb	828.496	0.3	791964
Mn 257.610	235.807b	ppb	0.1705	0.1	61659.1
Mo 202.032	0.1127b	ppb	0.5667	502.9	6.5798
Na 330.237	2083295xb	ppb	2184.87	0.1	116883
Ni 231.604	2.6329b	ppb	1.0453	39.7	5.2626
Pb 220.353	2.2289b	ppb	1.2677	56.9	17.9136
Sb 206.834	2.4676b	ppb	1.6797	68.1	3.4934
Se 196.026	11.7609b	ppb	8.7778	74.6	11.3196
Sn 189.925	-1.2341b	ppb	1.1256	91.2	-5.5488
Sr 216.596	1766.60b	ppb	1.7915	0.1	22580.2
Ti 334.941	1.1996b	ppb	0.1037	8.6	696.242
Tl 190.794	-3.9340b	ppb	3.6760	93.4	-14.3614
V 292.401	1.7901b	ppb	0.1730	9.7	29.1414
Zn 206.200	6.1038b	ppb	1.5573	25.5	7.3193

640-50339-h-5-aSD^5 (Samp) **2/4/2015, 4:55:28 AM** **Rack 4, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.1972u	-0.2668u	-0.1309u
Al 308.215	24.8940	22.4555	24.4533
As 188.980	0.9828	-1.1702u	-0.1867u
B 249.678	395.186	384.466	376.060
Ba 389.178	117.201	113.998	111.557
Be 313.042	0.0082u	0.0093u	0.0098u
Ca 370.602	39550	38358	37748
Cd 226.502	0.0278	0.0582	0.1240
Co 228.615	0.4004	0.4513	0.5894
Cr 267.716	0.3087	0.2395	0.3380
Cu 324.754	0.3774	0.3157	0.3610
Fe 271.441	2001.56	1934.03	1902.81
K 766.491	17265.8	16579.5	16317.9
Mg 279.078	54063.5	52205.9	51227.7
Mn 257.610	48.4541	46.6495	45.7591
Mo 202.032	0.1569	0.0256	-0.4491u
Na 330.237	353317x	340157x	333628x
Ni 231.604	2.6798	1.4558	2.0950
Pb 220.353	-2.5183u	-1.2229u	-1.7548u
Sb 206.834	4.0617	2.1965	4.0062
Se 196.026	3.1862	6.7124	3.4623
Sn 189.925	1.9729	0.8855	-2.4839u
Sr 216.596	366.398	353.957	347.790
Ti 334.941	0.2604	0.2648	0.2381
Tl 190.794	-0.0253u	-3.0538u	-3.4859u
V 292.401	0.1022u	0.1405	0.0336u
Zn 206.200	2.4104	1.5317	1.4727

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1983b	ppb	0.0680	34.3	-33.6486
Al 308.215	23.9342b	ppb	1.2995	5.4	533.185
As 188.980	-0.1247b	ppb	1.0778	864.3	-5.7160
B 249.678	385.237b	ppb	9.5863	2.5	7426.56
Ba 389.178	114.252b	ppb	2.8305	2.5	2959.43
Be 313.042	0.0091b	ppb	0.0008	9.0	-323.074
Ca 370.602	38552b	ppb	916.4	2.4	114652
Cd 226.502	0.0700b	ppb	0.0492	70.2	33.3883
Co 228.615	0.4804b	ppb	0.0978	20.4	1.7401
Cr 267.716	0.2954b	ppb	0.0505	17.1	41.0433
Cu 324.754	0.3514b	ppb	0.0320	9.1	189.166
Fe 271.441	1946.13b	ppb	50.4768	2.6	3456.53
K 766.491	16721.1b	ppb	489.563	2.9	803367
Mg 279.078	52499.0b	ppb	1440.46	2.7	155927
Mn 257.610	46.9542b	ppb	1.3731	2.9	12318.6
Mo 202.032	-0.0889b	ppb	0.3188	358.8	5.5006
Na 330.237	342367xb	ppb	10029.0	2.9	19234.1
Ni 231.604	2.0769b	ppb	0.6122	29.5	2.6902
Pb 220.353	-1.8320b	ppb	0.6511	35.5	10.6409
Sb 206.834	3.4214b	ppb	1.0612	31.0	4.7563
Se 196.026	4.4536b	ppb	1.9610	44.0	7.5895
Sn 189.925	0.1248b	ppb	2.3237	1861.2	-5.0729
Sr 216.596	356.048b	ppb	9.4790	2.7	4551.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.2544b	ppb	0.0143	5.6	107.104
Tl 190.794	-2.1883b	ppb	1.8857	86.2	-11.1193
V 292.401	0.0921b	ppb	0.0542	58.9	-7.7921
Zn 206.200	1.8050b	ppb	0.5252	29.1	2.6787

640-50339-h-5-aPDS (Samp) **2/4/2015, 5:00:06 AM** **Rack 4, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	69.6128	69.2706	69.3736
Al 308.215	938.211	932.617	935.122
As 188.980	81.2310	83.3592	76.1324
B 249.678	2127.40	2122.49	2132.06
Ba 389.178	634.873	633.426	633.826
Be 313.042	68.1898	68.1199	68.0237
Ca 370.602	202620	200768	199583
Cd 226.502	64.0147	64.2684	64.0408
Co 228.615	64.4021	64.0356	64.2226
Cr 267.716	67.4416	67.4906	67.2300
Cu 324.754	78.3768	78.5379	78.7020
Fe 271.441	15894.9	15835.0	15848.1
K 766.491	124561x	124831x	124866x
Mg 279.078	271365	270677	270491
Mn 257.610	915.199	912.723	914.212
Mo 202.032	65.6369	64.2417	64.5721
Na 330.237	2073185x	2080746x	2076169x
Ni 231.604	66.1253	65.1788	64.6168
Pb 220.353	63.7793	63.2536	64.3568
Sb 206.834	76.5409	75.9823	74.8949
Se 196.026	81.3468	85.8036	84.0051
Sn 189.925	62.7166	63.2123	62.6369
Sr 216.596	1810.75	1813.49	1814.42
Ti 334.941	68.0091	67.8673	67.9015
Tl 190.794	7.3164	3.9337	7.4264
V 292.401	71.7292	71.8235	71.7984
Zn 206.200	67.8357	68.6106	72.4131

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	69.4190b	ppb	0.1755	0.3	6388.00
Al 308.215	935.317b	ppb	2.8019	0.3	7713.79
As 188.980	80.2409b	ppb	3.7138	4.6	52.0523
B 249.678	2127.32b	ppb	4.7838	0.2	40855.8
Ba 389.178	634.042b	ppb	0.7471	0.1	16555.2
Be 313.042	68.1111b	ppb	0.0834	0.1	143679
Ca 370.602	200990b	ppb	1531	0.8	597650
Cd 226.502	64.1080b	ppb	0.1395	0.2	3126.26
Co 228.615	64.2201b	ppb	0.1833	0.3	773.139
Cr 267.716	67.3874b	ppb	0.1385	0.2	4149.57
Cu 324.754	78.5389b	ppb	0.1626	0.2	6140.91
Fe 271.441	15859.3b	ppb	31.4749	0.2	28096.4
K 766.491	124753xb	ppb	167.150	0.1	5991762
Mg 279.078	270844b	ppb	460.328	0.2	804322
Mn 257.610	914.045b	ppb	1.2464	0.1	232054
Mo 202.032	64.8169b	ppb	0.7291	1.1	474574

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	2076700xb	ppb	3807.93	0.2	116509
Ni 231.604	65.3070b	ppb	0.7624	1.2	216.470
Pb 220.353	63.7966b	ppb	0.5518	0.9	120.005
Sb 206.834	75.8061b	ppb	0.8371	1.1	111.890
Se 196.026	83.7185b	ppb	2.2422	2.7	47.0737
Sn 189.925	62.8553b	ppb	0.3118	0.5	44.5152
Sr 216.596	1812.88b	ppb	1.9098	0.1	23177.5
Ti 334.941	67.9260b	ppb	0.0740	0.1	23142.3
Tl 190.794	6.2255b	ppb	1.9855	31.9	-2.9361
V 292.401	71.7837b	ppb	0.0488	0.1	2199.63
Zn 206.200	69.6198b	ppb	2.4499	3.5	79.6910

640-50339-h-5-b ms (Samp) **2/4/2015, 5:04:43 AM** **Rack 4, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	56.6277	56.9057	56.5257
Al 308.215	6006.59	6003.74	6001.38
As 188.980	107.659	119.208	114.310
B 249.678	2186.94	2189.26	2187.82
Ba 389.178	670.365	670.589	671.166
Be 313.042	49.6614	49.6174	49.6656
Ca 370.602	200042	198053	198402
Cd 226.502	46.9650	46.9744	46.7192
Co 228.615	46.3272	47.1948	46.2595
Cr 267.716	97.2562	96.8459	97.1498
Cu 324.754	112.549	112.605	113.196
Fe 271.441	14019.5	13975.8	13999.1
K 766.491	121982x	121535x	121803x
Mg 279.078	267581	267467	267598
Mn 257.610	717.135	715.512	715.533
Mo 202.032	94.0916	92.8635	93.0753
Na 330.237	2070634x	2058644x	2068324x
Ni 231.604	94.0566	93.8857	94.2316
Pb 220.353	452.752	452.141	452.767
Sb 206.834	59.3526	54.2700	57.8843
Se 196.026	121.446	118.566	120.378
Sn 189.925	179.619	184.240	179.617
Sr 216.596	1829.60	1835.01	1832.98
Ti 334.941	96.8173	97.4660	97.3630
Tl 190.794	31.1330	27.7169	30.8475
V 292.401	100.494	100.879	100.097
Zn 206.200	96.5988	97.3860	97.8814

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	56.6864b	ppb	0.1967	0.3	5201.86
Al 308.215	6003.90b	ppb	2.6086	0.0	47575.2
As 188.980	113.726b	ppb	5.7967	5.1	76.1757
B 249.678	2188.01b	ppb	1.1743	0.1	42026.3
Ba 389.178	670.707b	ppb	0.4134	0.1	17468.1
Be 313.042	49.6481b	ppb	0.0267	0.1	104587
Ca 370.602	198832b	ppb	1062	0.5	591260
Cd 226.502	46.8862b	ppb	0.1447	0.3	2301.52
Co 228.615	46.5938b	ppb	0.5216	1.1	559.711

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	97.0840b	ppb	0.2129	0.2	5943.79
Cu 324.754	112.783b	ppb	0.3583	0.3	8744.10
Fe 271.441	13998.2b	ppb	21.8785	0.2	24799.6
K 766.491	121773xb	ppb	224.721	0.2	5848678
Mg 279.078	267549b	ppb	71.2516	0.0	794539
Mn 257.610	716.060b	ppb	0.9307	0.1	182295
Mo 202.032	93.3435b	ppb	0.6565	0.7	681.138
Na 330.237	2065867xb	ppb	6361.20	0.3	115902
Ni 231.604	94.0579b	ppb	0.1730	0.2	313.044
Pb 220.353	452.553b	ppb	0.3574	0.1	761.356
Sb 206.834	57.1690b	ppb	2.6157	4.6	84.1677
Se 196.026	120.130b	ppb	1.4560	1.2	64.9807
Sn 189.925	181.159b	ppb	2.6686	1.5	136.936
Sr 216.596	1832.53b	ppb	2.7312	0.1	23422.6
Ti 334.941	97.2154b	ppb	0.3486	0.4	32983.8
Tl 190.794	29.8991b	ppb	1.8952	6.3	25.2369
V 292.401	100.490b	ppb	0.3912	0.4	3091.07
Zn 206.200	97.2887b	ppb	0.6468	0.7	111.391

640-50339-h-5-c msd (Samp) **2/4/2015, 5:09:20 AM** **Rack 4, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	56.9222	57.1906	56.9650
Al 308.215	6358.02	6373.62	6368.16
As 188.980	112.011	116.982	123.050
B 249.678	2192.24	2196.51	2194.58
Ba 389.178	664.545	667.266	668.021
Be 313.042	50.3300	50.4402	50.3064
Ca 370.602	199548	200858	198970
Cd 226.502	47.3904	47.2499	47.0806
Co 228.615	48.1804	47.8502	48.0150
Cr 267.716	99.1241	98.9599	99.0063
Cu 324.754	114.253	114.247	113.804
Fe 271.441	14969.4	14962.3	14949.6
K 766.491	121488x	121666x	121420x
Mg 279.078	268073	268599	268492
Mn 257.610	764.081	764.962	762.870
Mo 202.032	93.9093	94.5681	94.8026
Na 330.237	2059498x	2060981x	2063199x
Ni 231.604	96.4305	96.8313	97.0176
Pb 220.353	461.788	460.603	458.590
Sb 206.834	55.9860	53.1698	57.7929
Se 196.026	113.519	112.399	116.596
Sn 189.925	184.532	186.601	180.485
Sr 216.596	1829.52	1835.39	1829.74
Ti 334.941	100.731	100.639	100.643
Tl 190.794	31.4965	30.2040	34.9637
V 292.401	102.285	101.800	101.956
Zn 206.200	105.798	105.837	104.410

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	57.0259b	ppb	0.1442	0.3	5233.59
Al 308.215	6366.60b	ppb	7.9191	0.1	50427.6

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	117.348b	ppb	5.5287	4.7	78.7775
B 249.678	2194.44b	ppb	2.1382	0.1	42147.3
Ba 389.178	666.611b	ppb	1.8284	0.3	17367.9
Be 313.042	50.3588b	ppb	0.0715	0.1	106093
Ca 370.602	199792b	ppb	967.3	0.5	594108
Cd 226.502	47.2403b	ppb	0.1551	0.3	2323.24
Co 228.615	48.0152b	ppb	0.1651	0.3	577.013
Cr 267.716	99.0301b	ppb	0.0847	0.1	6062.13
Cu 324.754	114.101b	ppb	0.2574	0.2	8844.75
Fe 271.441	14960.4b	ppb	10.0472	0.1	26503.3
K 766.491	121525xb	ppb	127.141	0.1	5836747
Mg 279.078	268388b	ppb	277.764	0.1	797030
Mn 257.610	763.971b	ppb	1.0502	0.1	194338
Mo 202.032	94.4266b	ppb	0.4631	0.5	688.930
Na 330.237	2061226xb	ppb	1862.54	0.1	115641
Ni 231.604	96.7598b	ppb	0.3000	0.3	322.217
Pb 220.353	460.327b	ppb	1.6169	0.4	774.257
Sb 206.834	55.6496b	ppb	2.3298	4.2	81.9483
Se 196.026	114.172b	ppb	2.1733	1.9	62.0607
Sn 189.925	183.872b	ppb	3.1109	1.7	139.054
Sr 216.596	1831.55b	ppb	3.3269	0.2	23411.8
Ti 334.941	100.671b	ppb	0.0519	0.1	34148.1
Tl 190.794	32.2214b	ppb	2.4613	7.6	27.8572
V 292.401	102.013b	ppb	0.2474	0.2	3138.11
Zn 206.200	105.348b	ppb	0.8125	0.8	120.582

Cont Calib Verif (CCV) **2/4/2015, 5:13:57 AM** **Rack 4, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	455.866	468.068	454.475
Al 308.215	4530.54	4638.69	4541.98
As 188.980	468.648	473.209	464.662
B 249.678	473.244	484.188	472.507
Ba 389.178	4446.22	4550.83	4459.41
Be 313.042	462.856	473.268	461.039
Ca 370.602	4476	4602	4530
Cd 226.502	451.627	463.051	452.199
Co 228.615	462.028	471.498	463.665
Cr 267.716	4641.76	4755.78	4656.31
Cu 324.754	4820.76	4892.39	4808.31
Fe 271.441	4478.76	4580.46	4491.30
K 766.491	9836.17	10015.6	9782.37
Mg 279.078	4659.63	4775.22	4677.21
Mn 257.610	4616.83	4730.82	4633.97
Mo 202.032	447.267	459.973	450.006
Na 330.237	7000.42	7269.96	7033.18
Ni 231.604	2298.66	2356.20	2311.36
Pb 220.353	446.858	456.048	450.310
Sb 206.834	896.803	915.361	904.699
Se 196.026	4577.06	4677.41	4577.17
Sn 189.925	4554.95	4667.10	4548.01
Sr 216.596	2213.51	2272.20	2221.33
Ti 334.941	448.028	457.189	446.514

Label	Replicates Concentration		
Tl 190.794	4535.77	4658.66	4568.19
V 292.401	4612.51	4710.19	4617.40
Zn 206.200	2226.31	2294.01	2260.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	459.470	ppb	7.4784	1.6	42712.8	91.89395
Al 308.215	4570.41	ppb	59.4162	1.3	37013.0	91.40810
As 188.980	468.840	ppb	4.2766	0.9	331.919	93.76800
B 249.678	476.646	ppb	6.5416	1.4	9191.09	95.32925
Ba 389.178	4485.49	ppb	56.9694	1.3	112817	89.70978Q
Be 313.042	465.721	ppb	6.5986	1.4	985918	93.14424
Ca 370.602	4536	ppb	63.54	1.4	13832	90.72387
Cd 226.502	455.626	ppb	6.4368	1.4	21610.0	91.12511
Co 228.615	465.730	ppb	5.0614	1.1	5631.30	93.14606
Cr 267.716	4684.61	ppb	62.0560	1.3	283373	93.69228
Cu 324.754	4840.49	ppb	45.3764	0.9	368087	96.80971
Fe 271.441	4516.84	ppb	55.4568	1.2	8111.76	90.33678
K 766.491	9878.05	ppb	122.122	1.2	474720	98.78048
Mg 279.078	4704.02	ppb	62.2804	1.3	13883.8	94.08042
Mn 257.610	4660.54	ppb	61.4681	1.3	1170576	93.21077
Mo 202.032	452.415	ppb	6.6867	1.5	3275.68	90.48308
Na 330.237	7101.19	ppb	147.079	2.1	372.780	94.68247
Ni 231.604	2322.07	ppb	30.2278	1.3	7804.45	92.88286
Pb 220.353	451.072	ppb	4.6422	1.0	762.174	90.21442
Sb 206.834	905.621	ppb	9.3136	1.0	1395.33	90.56210
Se 196.026	4610.55	ppb	57.9066	1.3	2282.62	92.21095
Sn 189.925	4590.02	ppb	66.8470	1.5	3580.62	91.80041
Sr 216.596	2235.68	ppb	31.8641	1.4	28391.8	89.42720Q
Ti 334.941	450.577	ppb	5.7760	1.3	151452	90.11541
Tl 190.794	4587.54	ppb	63.6867	1.4	5442.23	91.75081
V 292.401	4646.70	ppb	55.0397	1.2	145111	92.93405
Zn 206.200	2260.11	ppb	33.8498	1.5	2579.27	90.40440

Cont Calib Blank (CCB) **2/4/2015, 5:18:34 AM** **Rack 4, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0548u	-0.0012u	0.0915
Al 308.215	-0.7297u	-1.4407u	1.2341
As 188.980	0.9713	4.3045	1.4746
B 249.678	7.3165	6.8222	6.8861
Ba 389.178	0.0775	-0.1966u	0.0840
Be 313.042	0.0209	0.0222	0.0166
Ca 370.602	-2.379u	4.519	5.017
Cd 226.502	0.0056	-0.0026u	0.1357
Co 228.615	0.1591	0.1775	0.2097
Cr 267.716	0.2615	0.2201	0.3942
Cu 324.754	-0.2794u	0.3473	0.1875
Fe 271.441	-0.9276u	1.1924	-2.6208u
K 766.491	3.5661	4.3330	3.9420
Mg 279.078	0.8431	3.4646	5.4393
Mn 257.610	0.1265	0.1548	0.1580
Mo 202.032	-0.0986u	0.3102	0.0465
Na 330.237	-138.341u	11.7227	47.8622

Label	Replicates Concentration		
Ni 231.604	-0.2895u	0.2932	0.1665
Pb 220.353	-0.9028u	-1.7620u	-4.1024u
Sb 206.834	3.1868	3.9012	1.4022
Se 196.026	-4.7284u	3.1411	-0.1248u
Sn 189.925	0.7051	-0.6785u	-1.8879u
Sr 216.596	0.3259	0.0180	0.0480
Ti 334.941	0.1263	0.0856	0.1235
Tl 190.794	-3.0305u	1.1927	1.5703
V 292.401	-0.0279u	0.2160	0.3934
Zn 206.200	0.9406	0.4519	0.0584

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0118	ppb	0.0740	626.2	0.4969	0.01182
Al 308.215	-0.3121	ppb	1.3854	443.9	342.306	-0.31210
As 188.980	2.2501	ppb	1.7968	79.9	-3.9916	2.25012
B 249.678	7.0083	ppb	0.2688	3.8	166.092	7.00829
Ba 389.178	-0.0117	ppb	0.1602	1369.4	-38.6890	-0.01170
Be 313.042	0.0199	ppb	0.0029	14.6	-267.995	0.01991
Ca 370.602	2.386	ppb	4.134	173.3	24.26	2.38561
Cd 226.502	0.0462	ppb	0.0776	167.7	23.9537	0.04624
Co 228.615	0.1821	ppb	0.0256	14.1	-2.0327	0.18211
Cr 267.716	0.2919	ppb	0.0910	31.2	31.7791	0.29193
Cu 324.754	0.0851	ppb	0.3257	382.6	168.058	0.08513
Fe 271.441	-0.7853	ppb	1.9106	243.3	9.8158	-0.78532
K 766.491	3.9470	ppb	0.3835	9.7	499.297	3.94705
Mg 279.078	3.2490	ppb	2.3057	71.0	32.4340	3.24900
Mn 257.610	0.1464	ppb	0.0174	11.9	93.4672	0.14643
Mo 202.032	0.0860	ppb	0.2072	241.0	6.8638	0.08601
Na 330.237	-26.2519	ppb	98.7393	376.1	29.4800	-26.25195
Ni 231.604	0.0567	ppb	0.3065	540.1	-4.2846	0.05675
Pb 220.353	-2.2557	ppb	1.6559	73.4	9.7946	-2.25574
Sb 206.834	2.8300	ppb	1.2871	45.5	3.8375	2.83004
Se 196.026	-0.5707	ppb	3.9536	692.8	5.0781	-0.57070
Sn 189.925	-0.6204	ppb	1.2975	209.1	-5.7703	-0.62040
Sr 216.596	0.1306	ppb	0.1698	130.0	2.9398	0.13063
Ti 334.941	0.1118	ppb	0.0227	20.3	-15.4199	0.11180
Tl 190.794	-0.0892	ppb	2.5542	2863.9	-8.3277	-0.08919
V 292.401	0.1938	ppb	0.2115	109.1	-1.4283	0.19384
Zn 206.200	0.4836	ppb	0.4419	91.4	1.2383	0.48363

640-50339-h-6-a (Samp) **2/4/2015, 5:23:11 AM** **Rack 4, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.0089u	-0.2503u	-0.1087u
Al 308.215	45.6543	45.1730	44.8149
As 188.980	12.9793	14.8573	14.4557
B 249.678	194.506	195.174	194.775
Ba 389.178	358.638	359.050	358.850
Be 313.042	-0.0023	-0.0010	0.0026
Ca 370.602	84525	84472	84282
Cd 226.502	-0.1310	-0.2425	-0.2300
Co 228.615	0.1423	-0.0646u	-0.0157
Cr 267.716	0.9265	0.8170	0.8992

Label	Replicates Concentration		
Cu 324.754	0.2463	0.5900	0.2674
Fe 271.441	3755.52	3746.62	3751.12
K 766.491	6834.15	6858.19	6857.90
Mg 279.078	24559.2	24547.9	24538.3
Mn 257.610	930.779	930.297	928.839
Mo 202.032	3.2122	3.1806	3.6375
Na 330.237	137853x	138113x	138505x
Ni 231.604	2.3526	2.0592	2.8940
Pb 220.353	2.3996	-0.1258	2.6208
Sb 206.834	-0.5186u	1.5127	2.3528
Se 196.026	4.2980	1.3556	2.6148
Sn 189.925	0.9504	-1.0748u	-1.1021u
Sr 216.596	385.165	385.258	384.059
Ti 334.941	1.5110	1.4200	1.4192
Tl 190.794	-2.0180u	1.2271	1.6198
V 292.401	0.1399	0.5897	0.4590
Zn 206.200	1.5827	1.6829	0.9297

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1167b	ppb	0.1297	111.2	-22.0413
Al 308.215	45.2141b	ppb	0.4212	0.9	700.882
As 188.980	14.0975b	ppb	0.9889	7.0	4.5145
B 249.678	194.818b	ppb	0.3363	0.2	3763.85
Ba 389.178	358.846b	ppb	0.2061	0.1	9048.35
Be 313.042	-0.0003b	ppb	0.0025	926.2	-296.393
Ca 370.602	84426b	ppb	128.0	0.2	251087
Cd 226.502	-0.2012b	ppb	0.0611	30.4	30.6634
Co 228.615	0.0207b	ppb	0.1081	522.8	-3.7701
Cr 267.716	0.8809b	ppb	0.0570	6.5	77.6585
Cu 324.754	0.3679b	ppb	0.1926	52.4	191.367
Fe 271.441	3751.09b	ppb	4.4500	0.1	6651.88
K 766.491	6850.08b	ppb	13.7930	0.2	329297
Mg 279.078	24548.4b	ppb	10.4598	0.0	72902.6
Mn 257.610	929.971b	ppb	1.0102	0.1	233843
Mo 202.032	3.3434b	ppb	0.2551	7.6	30.2571
Na 330.237	138157xb	ppb	328.540	0.2	7779.27
Ni 231.604	2.4353b	ppb	0.4235	17.4	4.0622
Pb 220.353	1.6316b	ppb	1.5259	93.5	16.6682
Sb 206.834	1.1156b	ppb	1.4763	132.3	1.3235
Se 196.026	2.7561b	ppb	1.4763	53.6	6.9894
Sn 189.925	-0.4088b	ppb	1.1772	287.9	-5.5586
Sr 216.596	384.827b	ppb	0.6668	0.2	4939.26
Ti 334.941	1.4501b	ppb	0.0527	3.6	471.855
Tl 190.794	0.2763b	ppb	1.9966	722.7	-8.0189
V 292.401	0.3962b	ppb	0.2314	58.4	1.6043
Zn 206.200	1.3984b	ppb	0.4090	29.2	2.1453

640-50339-h-7-a (Samp) **2/4/2015, 5:27:48 AM** **Rack 4, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3936u	-0.3126u	-0.2231u
Al 308.215	67.7172	66.8592	67.9695
As 188.980	-0.1805u	2.5122	-0.8264u

Label	Replicates Concentration		
B 249.678	2019.20	2022.73	2020.17
Ba 389.178	380.909	381.287	381.003
Be 313.042	0.0820u	0.0811u	0.0823u
Ca 370.602	105310	105680	105509
Cd 226.502	-0.0737	0.1247	-0.0237
Co 228.615	0.6341	-0.3493u	0.6574
Cr 267.716	-0.6523	-0.4409	-0.5579
Cu 324.754	0.7818	0.6712	0.7778
Fe 271.441	6332.55	6330.71	6325.51
K 766.491	95848.8x	95675.2x	95460.8x
Mg 279.078	180745	180790	180607
Mn 257.610	248.405	248.529	247.947
Mo 202.032	0.3246	-0.3612u	-0.2917u
Na 330.237	1755195x	1764289x	1764466x
Ni 231.604	3.2116	2.6595	1.7427
Pb 220.353	0.2499	0.7331	2.5920
Sb 206.834	0.3742	3.3851	1.6793
Se 196.026	10.6266	6.8157	9.9112
Sn 189.925	-7.1416u	-1.6350u	-1.0533u
Sr 216.596	1072.98	1075.91	1073.25
Ti 334.941	1.2705	0.8907	1.1466
Tl 190.794	0.0508u	-2.2922u	-1.3310u
V 292.401	1.2514	1.3327	1.3676
Zn 206.200	2.4441	5.3997	1.0635

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3098b	ppb	0.0853	27.5	-73.4070
Al 308.215	67.5153b	ppb	0.5821	0.9	876.557
As 188.980	0.5018b	ppb	1.7708	352.9	-5.2957
B 249.678	2020.70b	ppb	1.8205	0.1	38831.9
Ba 389.178	381.066b	ppb	0.1970	0.1	9972.85
Be 313.042	0.0818b	ppb	0.0006	0.8	-336.743
Ca 370.602	105500b	ppb	185.4	0.2	313713
Cd 226.502	0.0091b	ppb	0.1032	1132.3	44.6732
Co 228.615	0.3140b	ppb	0.5746	183.0	0.1301
Cr 267.716	-0.5504b	ppb	0.1059	19.2	25.2854
Cu 324.754	0.7436b	ppb	0.0627	8.4	220.934
Fe 271.441	6329.59b	ppb	3.6532	0.1	11216.7
K 766.491	95661.6xb	ppb	194.349	0.2	4594623
Mg 279.078	180714b	ppb	95.6149	0.1	536680
Mn 257.610	248.294b	ppb	0.3065	0.1	64024.0
Mo 202.032	-0.1094b	ppb	0.3775	345.1	5.1326
Na 330.237	1761317xb	ppb	5302.26	0.3	98823.4
Ni 231.604	2.5379b	ppb	0.7419	29.2	4.6467
Pb 220.353	1.1917b	ppb	1.2365	103.8	15.9803
Sb 206.834	1.8129b	ppb	1.5099	83.3	2.4564
Se 196.026	9.1179b	ppb	2.0255	22.2	9.9860
Sn 189.925	-3.2766b	ppb	3.3598	102.5	-7.2551
Sr 216.596	1074.05b	ppb	1.6186	0.2	13723.9
Ti 334.941	1.1026b	ppb	0.1937	17.6	519.680
Tl 190.794	-1.1908b	ppb	1.1778	98.9	-10.5601
V 292.401	1.3173b	ppb	0.0596	4.5	17.6132
Zn 206.200	2.9691b	ppb	2.2153	74.6	3.8499

640-50339-h-10-a (Samp) **2/4/2015, 5:32:25 AM** **Rack 4, Tube 17**

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

Label	Replicates	Concentration	
Ag 328.068	-0.3543u	0.0345	0.0020
Al 308.215	2.1082	0.7604	2.8691
As 188.980	2.4169	2.7511	2.1019
B 249.678	9.0547	8.4632	7.6843
Ba 389.178	0.9856	0.4959	0.0601
Be 313.042	0.0047	0.0079	-0.0009u
Ca 370.602	12.53	12.59	11.70
Cd 226.502	0.1602	0.0088	0.0270
Co 228.615	0.1491	-0.1184u	-0.0938u
Cr 267.716	0.4032	0.2943	0.4723
Cu 324.754	0.1233	0.2716	0.5423
Fe 271.441	-0.0154u	0.2187	-0.5202u
K 766.491	13.0658	13.0032	12.5377
Mg 279.078	3.8975	5.9280	5.5224
Mn 257.610	0.0878	0.1099	0.1031
Mo 202.032	-0.6510u	-0.0464u	0.0101
Na 330.237	-33.4814u	34.7256	99.1100
Ni 231.604	0.0569	-1.0515u	-0.0257u
Pb 220.353	-0.5726u	-0.8888u	-1.1988u
Sb 206.834	2.1176	4.5342	1.3539
Se 196.026	0.8740	1.7365	-2.5340u
Sn 189.925	-3.0534u	-1.0759u	-0.2473u
Sr 216.596	-0.0113u	0.2000	0.0824
Ti 334.941	0.0716	0.0705	0.1038
Tl 190.794	-0.4141u	-0.7658u	-0.8466u
V 292.401	-0.0795u	0.2797	-0.1716u
Zn 206.200	1.5030	2.3621	-0.6927u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1059	ppb	0.2157	203.7	-10.4642
Al 308.215	1.9126	ppb	1.0679	55.8	359.769
As 188.980	2.4233	ppb	0.3246	13.4	-3.8668
B 249.678	8.4007	ppb	0.6873	8.2	192.828
Ba 389.178	0.5139	ppb	0.4630	90.1	-25.4600
Be 313.042	0.0039	ppb	0.0045	114.0	-301.793
Ca 370.602	12.27	ppb	0.4963	4.0	53.59
Cd 226.502	0.0653	ppb	0.0826	126.5	24.8898
Co 228.615	-0.0210	ppb	0.1479	703.0	-4.4738
Cr 267.716	0.3899	ppb	0.0898	23.0	37.7131
Cu 324.754	0.3124	ppb	0.2124	68.0	185.320
Fe 271.441	-0.1057	ppb	0.3777	357.4	10.9968
K 766.491	12.8689	ppb	0.2885	2.2	927.783
Mg 279.078	5.1160	ppb	1.0745	21.0	37.9791
Mn 257.610	0.1003	ppb	0.0113	11.3	81.9266
Mo 202.032	-0.2291	ppb	0.3665	160.0	4.5827
Na 330.237	33.4514	ppb	66.3049	198.2	32.8043
Ni 231.604	-0.3401	ppb	0.6175	181.5	-5.6183
Pb 220.353	-0.8867	ppb	0.3131	35.3	12.0554
Sb 206.834	2.6685	ppb	1.6602	62.2	3.6087
Se 196.026	0.0255	ppb	2.2581	8855.2	5.3724
Sn 189.925	-1.4589	ppb	1.4417	98.8	-6.4253
Sr 216.596	0.0904	ppb	0.1058	117.1	2.4606

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0820	ppb	0.0189	23.1	-25.4449
Tl 190.794	-0.6755	ppb	0.2300	34.0	-9.0232
V 292.401	0.0095	ppb	0.2384	2498.6	-7.0992
Zn 206.200	1.0575	ppb	1.5754	149.0	1.8951

640-50339-h-12-a (Samp) **2/4/2015, 5:37:03 AM** **Rack 4, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-0.4667u	-0.3135u	-0.3600u
Al 308.215	17.0049	15.4819	15.5472
As 188.980	-2.8974u	4.8510	0.5056
B 249.678	3140.31	3149.68	3157.67
Ba 389.178	553.058	552.808	553.713
Be 313.042	0.1811u	0.1755u	0.1698u
Ca 370.602	117828	116859	116588
Cd 226.502	0.7084	0.6512	0.5015
Co 228.615	-0.0878u	0.6286	0.2783
Cr 267.716	-1.0211	-1.0371	-1.1587
Cu 324.754	0.6079	1.1823	1.0984
Fe 271.441	6947.38	6931.08	6917.34
K 766.491	152591x	153602x	153320x
Mg 279.078	301795	301372	301389
Mn 257.610	215.545	215.117	215.551
Mo 202.032	0.0753	-0.3592u	0.0486
Na 330.237	3342581x	3364357x	3400742x
Ni 231.604	3.6590	3.6233	2.5210
Pb 220.353	3.0841	4.4164	-1.1234u
Sb 206.834	4.2880	-2.1552u	1.2141
Se 196.026	15.7813	16.9494	15.4683
Sn 189.925	-1.2811	-3.3740u	-2.5179u
Sr 216.596	1806.47	1808.15	1809.54
Ti 334.941	-0.4208	-0.3996	-0.4201
Tl 190.794	-3.5474u	-4.0131u	-3.7998u
V 292.401	1.5983	1.5750	1.7250
Zn 206.200	3.3046	3.6247	0.8525

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3801b	ppb	0.0786	20.7	-110.213
Al 308.215	16.0113b	ppb	0.8611	5.4	471.612
As 188.980	0.8197b	ppb	3.8838	473.8	-5.0711
B 249.678	3149.22b	ppb	8.6882	0.3	60508.8
Ba 389.178	553.193b	ppb	0.4673	0.1	14584.3
Be 313.042	0.1755b	ppb	0.0057	3.2	-351.661
Ca 370.602	117092b	ppb	651.6	0.6	348180
Cd 226.502	0.6204b	ppb	0.1068	17.2	67.2377
Co 228.615	0.2731b	ppb	0.3582	131.2	-0.3063
Cr 267.716	-1.0723b	ppb	0.0752	7.0	30.0369
Cu 324.754	0.9629b	ppb	0.3102	32.2	237.878
Fe 271.441	6931.94b	ppb	15.0413	0.2	12283.1
K 766.491	153171xb	ppb	521.739	0.3	7356607
Mg 279.078	301519b	ppb	238.996	0.1	895433
Mn 257.610	215.404b	ppb	0.2488	0.1	56825.0
Mo 202.032	-0.0785b	ppb	0.2435	310.3	-5.3260

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	3369227xb	ppb	29385.1	0.9	189013
Ni 231.604	3.2677b	ppb	0.6469	19.8	7.1581
Pb 220.353	2.1257b	ppb	2.8915	136.0	17.5604
Sb 206.834	1.1156b	ppb	3.2227	288.9	1.4401
Se 196.026	16.0664b	ppb	0.7806	4.9	13.4151
Sn 189.925	-2.3910b	ppb	1.0522	44.0	-6.0253
Sr 216.596	1808.05b	ppb	1.5397	0.1	23072.0
Ti 334.941	-0.4135b	ppb	0.0121	2.9	104.391
Tl 190.794	-3.7868b	ppb	0.2331	6.2	-13.7589
V 292.401	1.6328b	ppb	0.0807	4.9	14.3373
Zn 206.200	2.5939b	ppb	1.5166	58.5	3.3971

680-109509-a-1-a (Samp) **2/4/2015, 5:41:40 AM** **Rack 4, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	-0.0236u	-0.2443u	0.0122u
Al 308.215	216.789	216.728	217.596
As 188.980	18.0213	13.6829	14.8002
B 249.678	561.917	561.514	560.699
Ba 389.178	44.0916	43.9355	44.1032
Be 313.042	-0.0564u	-0.0548u	-0.0584u
Ca 370.602	291995	290220	293172
Cd 226.502	1.0680	1.0694	1.0049
Co 228.615	2.1184	2.3781	2.3271
Cr 267.716	1.0919	0.9860	1.1323
Cu 324.754	5.7330	5.6671	5.6082
Fe 271.441	208.406	211.892	204.405
K 766.491	151256x	152089x	152012x
Mg 279.078	51671.2	51580.2	51674.7
Mn 257.610	395.535	395.589	395.714
Mo 202.032	5.4941	5.3889	5.1883
Na 330.237	34129.3	34102.4	34051.4
Ni 231.604	20.7864	20.5105	21.6673
Pb 220.353	-1.2697u	-2.0230u	1.1675
Sb 206.834	6.6866	6.0285	10.5124
Se 196.026	-0.3459u	0.9397	4.5142
Sn 189.925	0.5102	-0.1649u	1.6724
Sr 216.596	533.605	534.023	533.725
Ti 334.941	5.4253	5.1299	5.6406
Tl 190.794	-1.4000u	0.5446	-0.6135u
V 292.401	4.0997	4.2109	3.8517
Zn 206.200	60.1984	62.4259	61.1728

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0852b	ppb	0.1389	162.9	-28.3160
Al 308.215	217.038b	ppb	0.4843	0.2	2052.17
As 188.980	15.5015b	ppb	2.2526	14.5	5.5502
B 249.678	561.377b	ppb	0.6203	0.1	10815.3
Ba 389.178	44.0434b	ppb	0.0937	0.2	1189.84
Be 313.042	-0.0566b	ppb	0.0018	3.2	-325.108
Ca 370.602	291796b	ppb	1486	0.5	867832
Cd 226.502	1.0474b	ppb	0.0368	3.5	72.9978
Co 228.615	2.2745b	ppb	0.1376	6.0	23.3688

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	1.0701b	ppb	0.0756	7.1	81.8803
Cu 324.754	5.6695b	ppb	0.0624	1.1	592.835
Fe 271.441	208.234b	ppb	3.7463	1.8	380.145
K 766.491	151786xb	ppb	459.890	0.3	7290070
Mg 279.078	51642.1b	ppb	53.5751	0.1	153374
Mn 257.610	395.613b	ppb	0.0916	0.0	99873.4
Mo 202.032	5.3571b	ppb	0.1554	2.9	45.0058
Na 330.237	34094.4b	ppb	39.5745	0.1	1941.80
Ni 231.604	20.9881b	ppb	0.6042	2.9	66.1277
Pb 220.353	-0.7084b	ppb	1.6677	235.4	12.4350
Sb 206.834	7.7425b	ppb	2.4213	31.3	11.0214
Se 196.026	1.7027b	ppb	2.5183	147.9	6.3016
Sn 189.925	0.6726b	ppb	0.9294	138.2	-4.7487
Sr 216.596	533.784b	ppb	0.2150	0.0	6915.15
Ti 334.941	5.3986b	ppb	0.2564	4.7	1863.71
Tl 190.794	-0.4896b	ppb	0.9782	199.8	-8.6231
V 292.401	4.0541b	ppb	0.1839	4.5	118.519
Zn 206.200	61.2657b	ppb	1.1167	1.8	70.8497

CRI (Samp) **2/4/2015, 5:46:17 AM** **Rack 4, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	9.1954	9.7916	9.8809
Al 308.215	190.198	191.755	192.458
As 188.980	13.7330	18.0168	18.1531
B 249.678	104.711	105.296	105.564
Ba 389.178	9.0679	9.1280	8.9974
Be 313.042	3.9900	4.0077	4.0176
Ca 370.602	494.9	499.0	498.0
Cd 226.502	4.7490	4.7362	4.5997
Co 228.615	9.9352	9.6426	9.5863
Cr 267.716	9.9135	9.8777	9.9759
Cu 324.754	21.0011	20.5114	20.6542
Fe 271.441	52.2875	52.4489	47.8641
K 766.491	1053.04	1054.56	1058.63
Mg 279.078	500.813	502.178	507.713
Mn 257.610	10.2224	10.2879	10.3555
Mo 202.032	9.0225	9.2033	9.1613
Na 330.237	996.084	893.419	928.989
Ni 231.604	39.4518	39.2680	40.2621
Pb 220.353	10.3998	6.8245	9.5704
Sb 206.834	17.9452	19.6939	20.6227
Se 196.026	18.9099	19.9477	22.8419
Sn 189.925	46.1782	48.4643	48.3668
Sr 216.596	9.6524	9.1284	9.4852
Ti 334.941	9.5697	9.5875	9.6590
Tl 190.794	25.3058	22.3340	24.2803
V 292.401	10.0920	10.3344	10.0342
Zn 206.200	20.9254	20.7669	19.6279

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.6226	ppb	0.3727	3.9	894.612
Al 308.215	191.471	ppb	1.1566	0.6	1852.10

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	16.6343	ppb	2.5135	15.1	6.3661
B 249.678	105.190	ppb	0.4365	0.4	2052.30
Ba 389.178	9.0644	ppb	0.0653	0.7	190.896
Be 313.042	4.0051	ppb	0.0140	0.3	8168.35
Ca 370.602	497.3	ppb	2.151	0.4	1500
Cd 226.502	4.6950	ppb	0.0827	1.8	244.245
Co 228.615	9.7214	ppb	0.1874	1.9	113.232
Cr 267.716	9.9224	ppb	0.0497	0.5	614.319
Cu 324.754	20.7222	ppb	0.2519	1.2	1737.15
Fe 271.441	50.8668	ppb	2.6017	5.1	102.587
K 766.491	1055.41	ppb	2.8909	0.3	50997.7
Mg 279.078	503.568	ppb	3.6540	0.7	1517.91
Mn 257.610	10.2886	ppb	0.0665	0.6	2645.22
Mo 202.032	9.1290	ppb	0.0946	1.0	72.3119
Na 330.237	939.497	ppb	52.1332	5.5	83.1396
Ni 231.604	39.6606	ppb	0.5289	1.3	128.893
Pb 220.353	8.9316	ppb	1.8713	21.0	28.2476
Sb 206.834	19.4206	ppb	1.3595	7.0	28.3559
Se 196.026	20.5665	ppb	2.0377	9.9	15.5157
Sn 189.925	47.6698	ppb	1.2927	2.7	31.9562
Sr 216.596	9.4220	ppb	0.2676	2.8	120.211
Ti 334.941	9.6054	ppb	0.0473	0.5	3177.50
Tl 190.794	23.9734	ppb	1.5095	6.3	20.2190
V 292.401	10.1536	ppb	0.1593	1.6	307.810
Zn 206.200	20.4401	ppb	0.7078	3.5	24.0744

Cont Calib Verif (CCV) **2/4/2015, 5:50:54 AM** **Rack 4, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	454.644	455.283	454.263
Al 308.215	4535.32	4554.14	4526.29
As 188.980	462.834	467.489	462.556
B 249.678	466.778	469.338	465.728
Ba 389.178	4449.00	4461.37	4441.82
Be 313.042	463.916	464.858	461.906
Ca 370.602	4483	4512	4496
Cd 226.502	454.471	454.905	452.761
Co 228.615	463.814	465.493	463.378
Cr 267.716	4666.64	4677.63	4659.17
Cu 324.754	4789.44	4784.11	4733.23
Fe 271.441	4501.57	4522.73	4502.91
K 766.491	9807.67	9825.92	9711.35
Mg 279.078	4667.96	4686.09	4658.79
Mn 257.610	4654.98	4656.81	4630.46
Mo 202.032	448.552	452.891	446.059
Na 330.237	7084.59	6965.09	6877.21
Ni 231.604	2308.60	2318.77	2312.14
Pb 220.353	448.942	450.508	447.339
Sb 206.834	892.252	899.049	889.489
Se 196.026	4569.81	4586.86	4570.03
Sn 189.925	4562.77	4578.22	4574.58
Sr 216.596	2227.17	2234.14	2220.98
Ti 334.941	448.919	449.085	446.055

Label	Replicates Concentration		
Tl 190.794	4572.54	4565.07	4554.04
V 292.401	4627.84	4637.56	4608.05
Zn 206.200	2250.33	2271.45	2258.57

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	454.730	ppb	0.5154	0.1	42271.8	90.94592
Al 308.215	4538.59	ppb	14.2075	0.3	36759.4	90.77171
As 188.980	464.293	ppb	2.7714	0.6	328.645	92.85864
B 249.678	467.281	ppb	1.8572	0.4	9011.11	93.45626
Ba 389.178	4450.73	ppb	9.8914	0.2	111943	89.01455Q
Be 313.042	463.560	ppb	1.5082	0.3	981341	92.71201
Ca 370.602	4497	ppb	14.18	0.3	13714	89.94141Q
Cd 226.502	454.046	ppb	1.1336	0.2	21535.1	90.80919
Co 228.615	464.228	ppb	1.1170	0.2	5613.10	92.84566
Cr 267.716	4667.81	ppb	9.2890	0.2	282357	93.35630
Cu 324.754	4768.93	ppb	31.0243	0.7	362647	95.37852
Fe 271.441	4509.07	ppb	11.8497	0.3	8097.58	90.18137
K 766.491	9781.65	ppb	61.5610	0.6	470090	97.81645
Mg 279.078	4670.95	ppb	13.8953	0.3	13785.9	93.41898
Mn 257.610	4647.41	ppb	14.7122	0.3	1167280	92.94829
Mo 202.032	449.167	ppb	3.4570	0.8	3252.19	89.83342Q
Na 330.237	6975.63	ppb	104.094	1.5	365.739	93.00843
Ni 231.604	2313.17	ppb	5.1619	0.2	7774.51	92.52667
Pb 220.353	448.929	ppb	1.5845	0.4	758.616	89.78590Q
Sb 206.834	893.597	ppb	4.9196	0.6	1377.21	89.35966Q
Se 196.026	4575.56	ppb	9.7827	0.2	2265.35	91.51130
Sn 189.925	4571.86	ppb	8.0795	0.2	3566.43	91.43714
Sr 216.596	2227.43	ppb	6.5839	0.3	28287.1	89.09704Q
Ti 334.941	448.020	ppb	1.7035	0.4	150592	89.60397Q
Tl 190.794	4563.88	ppb	9.3051	0.2	5414.13	91.27762
V 292.401	4624.48	ppb	15.0353	0.3	144417	92.48964
Zn 206.200	2260.12	ppb	10.6448	0.5	2579.34	90.40464

Cont Calib Blank (CCB) **2/4/2015, 5:55:32 AM** **Rack 4, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	-0.0195u	0.2043	-0.1223u
Al 308.215	-1.0850u	-0.2451u	-1.2872u
As 188.980	1.9808	-2.0825u	2.6274
B 249.678	5.1731	4.8269	4.8493
Ba 389.178	-0.8328u	0.6745	-0.0933u
Be 313.042	0.0176	0.0088	0.0175
Ca 370.602	1.230	0.1351	-1.915u
Cd 226.502	-0.0057u	0.0335	0.0040
Co 228.615	-0.0860u	-0.1962u	0.2782
Cr 267.716	0.1708	0.0655	0.2004
Cu 324.754	0.1320	0.0727	0.2458
Fe 271.441	-3.0831u	-3.0916u	-4.0358u
K 766.491	4.3746	4.3627	4.0954
Mg 279.078	-2.7028u	0.1963	-1.4059u
Mn 257.610	0.1197	0.1818	0.1544
Mo 202.032	0.1912	0.2969	0.1695
Na 330.237	-15.6847u	-72.5336u	-51.3692u

Label	Replicates Concentration		
Ni 231.604	-0.2952u	-0.0205u	0.5789
Pb 220.353	-1.6278u	-0.5041u	-1.8428u
Sb 206.834	3.4253	0.8031	1.6489
Se 196.026	1.9819	2.1657	-3.8318u
Sn 189.925	0.4253	0.3045	0.3106
Sr 216.596	-0.0441u	-0.1813u	0.1411
Ti 334.941	0.1192	0.1185	0.1388
Tl 190.794	2.3481	-1.7595u	2.0080
V 292.401	-0.1112u	0.0693	0.0081
Zn 206.200	-1.2525u	0.4823	-0.4626u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0208	ppb	0.1670	801.3	1.3374	0.02084
Al 308.215	-0.8725	ppb	0.5526	63.3	337.869	-0.87246
As 188.980	0.8419	ppb	2.5532	303.3	-5.0060	0.84191
B 249.678	4.9498	ppb	0.1937	3.9	126.521	4.94977
Ba 389.178	-0.0839	ppb	0.7537	898.2	-40.5158	-0.08391
Be 313.042	0.0146	ppb	0.0051	34.5	-279.181	0.01464
Ca 370.602	-0.1831	ppb	1.596	871.9	16.63	-0.18308
Cd 226.502	0.0106	ppb	0.0204	192.9	22.2626	0.01058
Co 228.615	-0.0014	ppb	0.2483	18377.1	-4.2527	-0.00135
Cr 267.716	0.1456	ppb	0.0709	48.7	22.9294	0.14558
Cu 324.754	0.1502	ppb	0.0880	58.6	173.010	0.15019
Fe 271.441	-3.4035	ppb	0.5476	16.1	5.1507	-3.40351
K 766.491	4.2776	ppb	0.1579	3.7	515.171	4.27759
Mg 279.078	-1.3041	ppb	1.4522	111.4	18.9136	-1.30414
Mn 257.610	0.1519	ppb	0.0311	20.5	94.8089	0.15193
Mo 202.032	0.2192	ppb	0.0681	31.1	7.8282	0.21918
Na 330.237	-46.5292	ppb	28.7318	61.8	28.3582	-46.52916
Ni 231.604	0.0877	ppb	0.4470	509.4	-4.1798	0.08774
Pb 220.353	-1.3249	ppb	0.7189	54.3	11.3307	-1.32489
Sb 206.834	1.9591	ppb	1.3383	68.3	2.5472	1.95913
Se 196.026	0.1053	ppb	3.4108	3239.9	5.4118	0.10528
Sn 189.925	0.3468	ppb	0.0681	19.6	-5.0146	0.34681
Sr 216.596	-0.0281	ppb	0.1618	575.0	0.9119	-0.02814
Ti 334.941	0.1255	ppb	0.0115	9.2	-10.8265	0.12549
Tl 190.794	0.8655	ppb	2.2797	263.4	-7.1966	0.86553
V 292.401	-0.0113	ppb	0.0918	814.0	-7.8562	-0.01128
Zn 206.200	-0.4109	ppb	0.8686	211.4	0.2139	-0.41092

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Blank (Blk) **2/4/2015, 2:51:32 PM** **Rack S, Tube 1**

Label	Replicates Concentration		
Ag 328.068	0.1242	-0.0926	-0.0316
Al 308.215	-0.1056	0.0503	0.0552
As 188.980	2.9915	-3.5243	0.5329
B 249.678	-0.0184	0.2446	-0.2262
Ba 389.178	-0.4464	0.4191	0.0273
Be 313.042	0.0005	-0.0028	0.0023
Ca 370.602	2.253	-2.808	0.5544
Cd 226.502	-0.0850	0.0598	0.0252
Co 228.615	-0.1074	0.0181	0.0892
Cr 267.716	0.0497	-0.0888	0.0391
Cu 324.754	-0.0980	0.1986	-0.1007
Fe 271.441	1.0114	-1.0214	0.0100
K 766.491	-0.0634	-0.1689	0.2324
Mg 279.078	-0.1182	0.6038	-0.4856
Mn 257.610	0.0030	-0.0230	0.0200
Mo 202.032	0.2716	0.0139	-0.2856
Na 330.237	49.6976	75.7076	-125.405
Ni 231.604	-0.0121	-0.0785	0.0906
Pb 220.353	-0.1963	-0.1129	0.3091
Sb 206.834	1.1870	-1.2852	0.0982
Se 196.026	1.1171	-0.1166	-1.0005
Sn 189.925	-1.8921	1.4457	0.4463
Sr 216.596	0.0121	-0.0595	0.0474
Ti 334.941	0.0075	-0.0148	0.0073
Tl 190.794	-0.7423	-1.8667	2.6090
V 292.401	-0.0180	-0.1363	0.1543
Zn 206.200	-1.1874	1.0454	0.1420

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	10.430	106.4	-9.8021
Al 308.215	0.0000	ppb	0.711	0.2	324.358
As 188.980	0.0000	ppb	2.291	54.1	-4.2388
B 249.678	0.0000	ppb	4.477	10.6	42.3280
Ba 389.178	0.0000	ppb	10.462	23.0	-45.5633
Be 313.042	0.0000	ppb	5.175	1.5	-337.780
Ca 370.602	0.0000	ppb	8.111	52.2	15.52
Cd 226.502	0.0000	ppb	3.473	14.3	24.3150
Co 228.615	0.0000	ppb	1.169	131.7	-0.8882
Cr 267.716	0.0000	ppb	4.438	14.5	30.6758
Cu 324.754	0.0000	ppb	13.174	7.0	188.575
Fe 271.441	0.0000	ppb	1.716	28.8	5.9623
K 766.491	0.0000	ppb	10.032	3.1	328.569
Mg 279.078	0.0000	ppb	1.611	8.7	18.5394
Mn 257.610	0.0000	ppb	5.208	8.1	64.1797
Mo 202.032	0.0000	ppb	1.924	34.1	5.6430
Na 330.237	0.0000	ppb	6.012	21.7	27.7218
Ni 231.604	0.0000	ppb	0.277	5.4	-5.1147
Pb 220.353	0.0000	ppb	0.435	3.4	12.7035
Sb 206.834	0.0000	ppb	1.766	44.8	-3.9440
Se 196.026	0.0000	ppb	0.512	7.3	7.0649
Sn 189.925	0.0000	ppb	1.303	21.4	-6.0799
Sr 216.596	0.0000	ppb	0.661	29.3	2.2601
Ti 334.941	0.0000	ppb	4.190	10.6	-39.6873

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Tl 190.794	0.0000	ppb	2.651	29.9	-8.8518
V 292.401	0.0000	ppb	4.421	33.6	-13.1382
Zn 206.200	0.0000	ppb	1.192	319.1	0.3736

HIGH STD (Std) **2/4/2015, 2:56:05 PM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	999.983	1000.47	999.549
Al 308.215	10002.3	10009.1	9988.60
As 188.980	996.782	1001.51	1001.71
B 249.678	1000.06	1000.42	999.522
Ba 389.178	9999.80	10015.4	9984.79
Be 313.042	1001.24	1001.04	997.714
Ca 370.602	9981	10016	10003
Cd 226.502	999.697	1000.61	999.692
Co 228.615	999.556	1001.08	999.366
Cr 267.716	10006.4	9993.98	9999.64
Cu 324.754	9942.57	10050.4	10007.0
Fe 271.441	9991.41	10016.9	9991.72
K 766.491	20005.2	20048.8	19946.0
Mg 279.078	10010.4	10009.4	9980.29
Mn 257.610	9998.49	10028.1	9973.43
Mo 202.032	998.203	1000.28	1001.52
Na 330.237	14941.1	15035.8	15023.2
Ni 231.604	5002.81	4998.19	4998.99
Pb 220.353	998.784	999.938	1001.28
Sb 206.834	1998.94	1999.89	2001.17
Se 196.026	9993.21	10020.0	9986.82
Sn 189.925	10029.4	9993.70	9976.93
Sr 216.596	5002.23	5007.72	4990.05
Ti 334.941	1000.80	1001.01	998.188
Tl 190.794	10018.5	9989.29	9992.24
V 292.401	10000.4	10017.7	9981.90
Zn 206.200	5003.94	4995.53	5000.53

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	42.877	0.0	93250.7
Al 308.215	10000.0	ppb	81.190	0.1	78060.1
As 188.980	1000.00	ppb	1.942	0.3	692.154
B 249.678	1000.00	ppb	8.563	0.0	19017.5
Ba 389.178	10000.0	ppb	369.641	0.2	241332
Be 313.042	1000.00	ppb	3921.354	0.2	1977689
Ca 370.602	10000	ppb	56.498	0.2	31503
Cd 226.502	1000.00	ppb	24.291	0.1	45948.4
Co 228.615	1000.00	ppb	11.024	0.1	11746.3
Cr 267.716	10000.0	ppb	357.053	0.1	575375
Cu 324.754	10000.0	ppb	4154.910	0.5	766003
Fe 271.441	10000.0	ppb	24.663	0.1	16888.5
K 766.491	20000.0	ppb	2487.085	0.3	964808
Mg 279.078	10000.0	ppb	49.645	0.2	29088.9
Mn 257.610	10000.0	ppb	6572.772	0.3	2402304
Mo 202.032	1000.00	ppb	11.568	0.2	6906.06
Na 330.237	15000.0	ppb	2.827	0.3	852.191
Ni 231.604	5000.00	ppb	8.040	0.0	16268.1

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Pb 220.353	1000.00	ppb	2.002	0.1	1617.41
Sb 206.834	2000.00	ppb	1.600	0.1	2846.65
Se 196.026	10000.0	ppb	8.473	0.2	4825.30
Sn 189.925	10000.0	ppb	20.364	0.3	7598.23
Sr 216.596	5000.00	ppb	109.825	0.2	60731.7
Ti 334.941	1000.00	ppb	515.751	0.2	327917
Tl 190.794	10000.0	ppb	18.288	0.2	11375.7
V 292.401	10000.0	ppb	541.749	0.2	302420
Zn 206.200	5000.00	ppb	4.488	0.1	5306.13

Ag 328.068 Calibration (ppb) **2/4/2015, 2:56:05 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-9.8021	0.0000	0.0000	-	-
HIGH STD		93250.7	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 93.3 x + -9.8

Al 308.215 Calibration (ppb) **2/4/2015, 2:56:05 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		324.358	0.0000	0.0000	-	-
HIGH STD		78060.1	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 7.8 x + 324.4

As 188.980 Calibration (ppb) **2/4/2015, 2:56:05 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.2388	0.0000	0.0000	-	-
HIGH STD		692.154	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.7 x + -4.2

B 249.678 Calibration (ppb) **2/4/2015, 2:56:05 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		42.3280	0.0000	0.0000	-	-
HIGH STD		19017.5	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 19.0 x + 42.3

Ba 389.178 Calibration (ppb) **2/4/2015, 2:56:05 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-45.5633	0.0000	0.0000	-	-
HIGH STD		241332	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 24.1 x + -45.6

Be 313.042 Calibration (ppb) **2/4/2015, 2:56:05 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-337.780	0.0000	0.0000	-	-
HIGH STD		1977689	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1978.0 x + -337.8

Ca 370.602 Calibration (ppb) **2/4/2015, 2:56:05 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		15.52	0.0000	0.0000	-	-
HIGH STD		31503	10000	10000	0.0000	0.0

Curve Type: Linear Equation: y = 3.1 x + 15.5

Cd 226.502 Calibration (ppb) **2/4/2015, 2:56:05 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		24.3150	0.0000	0.0000	-	-
HIGH STD		45948.4	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 45.9 x + 24.3

Co 228.615 Calibration (ppb) **2/4/2015, 2:56:05 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.8882	0.0000	0.0000	-	-
HIGH STD		11746.3	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 11.7 x + -0.9

Cr 267.716 Calibration (ppb) **2/4/2015, 2:56:05 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		30.6758	0.0000	0.0000	-	-
HIGH STD		575375	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 57.5 x + 30.7

Cu 324.754 Calibration (ppb) **2/4/2015, 2:56:05 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		188.575	0.0000	0.0000	-	-
HIGH STD		766003	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 76.6 x + 188.6

Fe 271.441 Calibration (ppb) **2/4/2015, 2:56:05 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.9623	0.0000	0.0000	-	-
HIGH STD		16888.5	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 1.7 x + 6.0

K 766.491 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		328.569	0.0000	0.0000	-	-
HIGH STD		964808	20000.0	20000.0	0.0000	0.0

Curve Type: Linear Equation: y = 48.2 x + 328.6

Mg 279.078 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		18.5394	0.0000	0.0000	-	-
HIGH STD		29088.9	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 2.9 x + 18.5

Mn 257.610 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		64.1797	0.0000	0.0000	-	-
HIGH STD		2402304	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 240.2 x + 64.2

Mo 202.032 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.6430	0.0000	0.0000	-	-
HIGH STD		6906.06	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 6.9 x + 5.6

Na 330.237 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		27.7218	0.0000	0.0000	-	-
HIGH STD		852.191	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.1 x + 27.7

Ni 231.604 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.1147	0.0000	0.0000	-	-
HIGH STD		16268.1	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 3.3 x + -5.1

Pb 220.353 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		12.7035	0.0000	0.0000	-	-
HIGH STD		1617.41	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1.6 x + 12.7

Sb 206.834 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-3.9440	0.0000	0.0000	-	-
HIGH STD		2846.65	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1.4 x + -3.9

Se 196.026 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.0649	0.0000	0.0000	-	-
HIGH STD		4825.30	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 0.5 x + 7.1

Sn 189.925 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-6.0799	0.0000	0.0000	-	-
HIGH STD		7598.23	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.8 x + -6.1

Sr 216.596 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.2601	0.0000	0.0000	-	-
HIGH STD		60731.7	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 12.1 x + 2.3

Ti 334.941 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-39.6873	0.0000	0.0000	-	-
HIGH STD		327917	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 328.0 x + -39.7

Tl 190.794 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-8.8518	0.0000	0.0000	-	-
HIGH STD		11375.7	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 1.1 x + -8.9

V 292.401 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-13.1382	0.0000	0.0000	-	-
HIGH STD		302420	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 30.2 x + -13.1

Zn 206.200 Calibration (ppb) 2/4/2015, 2:56:05 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.3736	0.0000	0.0000	-	-
HIGH STD		5306.13	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: y = 1.1 x + 0.4

Lab Control Sample (LCS) 2/4/2015, 3:00:38 PM Rack S, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	993.941	999.856	1007.94
Al 308.215	10064.8	10059.8	10054.2
As 188.980	1007.11	1003.72	1015.82
B 249.678	1000.86	1001.90	1006.30
Ba 389.178	10044.0	10048.2	10029.8
Be 313.042	1006.43	1003.78	1000.98
Ca 370.602	10114	10094	10080
Cd 226.502	997.920	997.722	1002.11
Co 228.615	998.925	1000.66	1003.14
Cr 267.716	10051.5	10024.9	10084.0x
Cu 324.754	9994.48	10041.9	10014.2
Fe 271.441	10020.9	10027.5	10046.0
K 766.491	20166.6	20170.7	20124.6
Mg 279.078	9983.28	9991.34	9992.73
Mn 257.610	10032.6	9994.15	10025.3
Mo 202.032	993.237	999.281	1000.09
Na 330.237	15387.9	15390.2	15364.8
Ni 231.604	4988.42	4988.02	5001.58
Pb 220.353	996.960	996.163	1006.73
Sb 206.834	2008.44	2016.08	2009.26
Se 196.026	9988.43	9988.34	10036.8
Sn 189.925	9922.65	9966.71	9963.45
Sr 216.596	4983.48	4984.71	5010.62
Ti 334.941	1002.61	1003.30	1004.03
Tl 190.794	9997.62	10015.9	10037.3
V 292.401	10023.4	10015.9	10031.9
Zn 206.200	4987.62	4983.02	4988.81

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1000.58b	ppb	7.0271	0.7	93199.8	100.05790
Al 308.215	10059.6b	ppb	5.2535	0.1	80087.2	100.59602

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1008.88b	ppb	6.2415	0.6	697.970	100.88802
B 249.678	1003.02b	ppb	2.8894	0.3	19082.3	20.06042*
Ba 389.178	10040.7b	ppb	9.6586	0.1	242372	100.40663
Be 313.042	1003.73b	ppb	2.7289	0.3	1985493	100.37299
Ca 370.602	10096b	ppb	16.87	0.2	32556	100.96056
Cd 226.502	999.252b	ppb	2.4807	0.2	45962.4	99.92520
Co 228.615	1000.91b	ppb	2.1201	0.2	11768.0	100.09090
Cr 267.716	10053.5xb	ppb	29.6144	0.3	578385	100.53478
Cu 324.754	10016.9b	ppb	23.8312	0.2	767188	100.16861
Fe 271.441	10031.5b	ppb	13.0036	0.1	17155.7	100.31484
K 766.491	20154.0b	ppb	25.5509	0.1	972233	100.76991
Mg 279.078	9989.12b	ppb	5.1030	0.1	28831.7	99.89118
Mn 257.610	10017.3b	ppb	20.4160	0.2	2406589	100.17347
Mo 202.032	997.536b	ppb	3.7451	0.4	6877.50	99.75360
Na 330.237	15381.0b	ppb	14.0797	0.1	750.983	102.53973
Ni 231.604	4992.68b	ppb	7.7142	0.2	16242.6	99.85354
Pb 220.353	999.951b	ppb	5.8843	0.6	1625.96	99.99507
Sb 206.834	2011.26b	ppb	4.1947	0.2	2978.27	100.56291
Se 196.026	10004.5b	ppb	27.9575	0.3	4829.99	100.04526
Sn 189.925	9950.94b	ppb	24.5516	0.2	7560.93	99.50938
Sr 216.596	4992.93b	ppb	15.3252	0.3	60513.1	99.85869
Ti 334.941	1003.31b	ppb	0.7106	0.1	329024	100.33138
Tl 190.794	10017.0b	ppb	19.8763	0.2	11415.1	100.16961
V 292.401	10023.7b	ppb	7.9669	0.1	302420	100.23721
Zn 206.200	4986.48b	ppb	3.0562	0.1	5271.60	99.72970

Initial Calib Verif (ICV) **2/4/2015, 3:05:12 PM** **Rack S, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	967.111	961.300	970.704
Al 308.215	984.715	982.420	981.166
As 188.980	1036.38	1038.33	1035.62
B 249.678	985.168	985.186	986.395
Ba 389.178	1018.25	1019.61	1018.29
Be 313.042	1005.23x	1008.31x	1005.43x
Ca 370.602	978.9	971.7	974.3
Cd 226.502	1003.82x	1003.85x	1000.17
Co 228.615	1043.75	1038.88	1034.12
Cr 267.716	1028.38	1029.27	1027.29
Cu 324.754	1001.73	1002.97	1002.42
Fe 271.441	988.646	995.421	984.622
K 766.491	10344.6	10340.3	10364.2
Mg 279.078	998.688	999.224	998.382
Mn 257.610	1039.38	1040.98	1038.54
Mo 202.032	1024.39x	1026.31x	1021.11x
Na 330.237	9809.75	9815.26	9792.58
Ni 231.604	1004.47	1011.55	1004.19
Pb 220.353	1009.03	1013.99	1008.10
Sb 206.834	1013.81	1021.40	1015.92
Se 196.026	984.662	984.361	964.367
Sn 189.925	4936.71	4951.18	4976.14
Sr 216.596	5124.00x	5131.33x	5122.97x
Ti 334.941	959.923	961.211	961.196

Label	Replicates Concentration		
Tl 190.794	1002.94	1012.11	1000.39
V 292.401	1042.32	1043.62	1040.26
Zn 206.200	1018.33	1011.49	1005.01

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	966.372b	ppb	4.7455	0.5	89931.7	96.63716
Al 308.215	982.767b	ppb	1.8000	0.2	8143.98	98.27669
As 188.980	1036.78b	ppb	1.3941	0.1	717.452	103.67770
B 249.678	985.583b	ppb	0.7033	0.1	18758.1	98.55829
Ba 389.178	1018.72b	ppb	0.7753	0.1	24554.8	101.87163
Be 313.042	1006.32xb	ppb	1.7246	0.2	1990088	100.63224
Ca 370.602	975.0b	ppb	3.659	0.4	3581	97.49788
Cd 226.502	1002.61xb	ppb	2.1167	0.2	46071.8	100.26122
Co 228.615	1038.92b	ppb	4.8170	0.5	12194.5	103.89160
Cr 267.716	1028.31b	ppb	0.9893	0.1	59179.0	102.83126
Cu 324.754	1002.37b	ppb	0.6202	0.1	76979.3	100.23709
Fe 271.441	989.563b	ppb	5.4575	0.6	1813.32	98.95630
K 766.491	10349.7b	ppb	12.7312	0.1	499431	103.49686
Mg 279.078	998.764b	ppb	0.4264	0.0	2898.62	99.87645
Mn 257.610	1039.63b	ppb	1.2420	0.1	249822	103.96339
Mo 202.032	1023.94xb	ppb	2.6288	0.3	7070.04	102.39366
Na 330.237	9805.86b	ppb	11.8283	0.1	542.083	98.05864
Ni 231.604	1006.74b	ppb	4.1711	0.4	3268.87	100.67397
Pb 220.353	1010.37b	ppb	3.1690	0.3	1632.76	101.03719
Sb 206.834	1017.04b	ppb	3.9151	0.4	1443.42	101.70424
Se 196.026	977.797b	ppb	11.6313	1.2	478.451	97.77968
Sn 189.925	4954.68b	ppb	19.9442	0.4	3761.62	99.09357
Sr 216.596	5126.10xb	ppb	4.5589	0.1	62224.9	102.52197
Ti 334.941	960.777b	ppb	0.7395	0.1	315054	96.07765
Tl 190.794	1005.15b	ppb	6.1671	0.6	1136.94	100.51474
V 292.401	1042.07b	ppb	1.6958	0.2	31229.0	104.20675
Zn 206.200	1011.61b	ppb	6.6597	0.7	1071.79	101.16135

Initial Calib Blank (ICB) **2/4/2015, 3:09:45 PM** **Rack S, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	-0.0166u	0.0661	0.0164
Al 308.215	2.7185	3.4801	4.2580
As 188.980	-3.3444u	-2.3117u	-4.1737u
B 249.678	5.1945	4.2720	4.3961
Ba 389.178	0.2102	0.1234	-0.1510u
Be 313.042	0.0430	0.0499	0.0617
Ca 370.602	2.813	0.6834	1.419
Cd 226.502	-0.1985u	0.0148	0.0177
Co 228.615	-0.3592u	-0.3558u	0.1611
Cr 267.716	-0.0428u	0.0555	0.0983
Cu 324.754	-0.0902u	0.2810	0.1241
Fe 271.441	2.6138	0.5735	-0.3853u
K 766.491	0.5561	0.2410	0.7618
Mg 279.078	2.1229	-1.1132u	1.4788
Mn 257.610	0.1429	0.1528	0.1469
Mo 202.032	0.4796	0.3281	0.5156
Na 330.237	8.9190	29.1227	50.5285

Label	Replicates Concentration		
Ni 231.604	-1.1994u	0.6316	-0.2280u
Pb 220.353	-1.1504u	-0.3030u	1.7022
Sb 206.834	3.4894	0.6091	2.5465
Se 196.026	-3.8969u	2.0264	-8.8129u
Sn 189.925	0.8573	-0.2945u	2.9418
Sr 216.596	0.1285	0.0955	0.3918
Ti 334.941	0.1989	0.1718	0.2204
Tl 190.794	1.2430	3.7859	0.9125
V 292.401	0.0831	0.5230	0.2430
Zn 206.200	0.5019	-0.2430u	1.7866

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0220	ppb	0.0417	189.6	-7.7615	0.02197
Al 308.215	3.4855	ppb	0.7697	22.1	351.501	3.48551
As 188.980	-3.2766	ppb	0.9329	28.5	-6.5207	-3.27660
B 249.678	4.6209	ppb	0.5006	10.8	130.066	4.62087
Ba 389.178	0.0609	ppb	0.1886	309.9	-44.0904	0.06085
Be 313.042	0.0515	ppb	0.0095	18.4	-235.877	0.05154
Ca 370.602	1.639	ppb	1.082	66.0	20.78	1.63856
Cd 226.502	-0.0553	ppb	0.1240	224.0	21.7782	-0.05534
Co 228.615	-0.1846	ppb	0.2994	162.1	-3.0626	-0.18464
Cr 267.716	0.0370	ppb	0.0723	195.5	32.8060	0.03701
Cu 324.754	0.1049	ppb	0.1863	177.6	196.622	0.10492
Fe 271.441	0.9340	ppb	1.5317	164.0	7.5068	0.93403
K 766.491	0.5196	ppb	0.2623	50.5	353.629	0.51964
Mg 279.078	0.8295	ppb	1.7130	206.5	20.9457	0.82951
Mn 257.610	0.1475	ppb	0.0050	3.4	99.6310	0.14755
Mo 202.032	0.4411	ppb	0.0995	22.6	8.6865	0.44110
Na 330.237	29.5234	ppb	20.8076	70.5	29.3299	29.52342
Ni 231.604	-0.2653	ppb	0.9160	345.3	-5.9772	-0.26526
Pb 220.353	0.0829	ppb	1.4649	1766.5	12.8361	0.08293
Sb 206.834	2.2150	ppb	1.4685	66.3	-0.7926	2.21499
Se 196.026	-3.5612	ppb	5.4275	152.4	5.3491	-3.56115
Sn 189.925	1.1682	ppb	1.6404	140.4	-5.1916	1.16820
Sr 216.596	0.2053	ppb	0.1624	79.1	4.7582	0.20525
Ti 334.941	0.1970	ppb	0.0244	12.4	24.9247	0.19702
Tl 190.794	1.9804	ppb	1.5723	79.4	-6.5989	1.98045
V 292.401	0.2830	ppb	0.2227	78.7	-4.6537	0.28303
Zn 206.200	0.6818	ppb	1.0267	150.6	1.0970	0.68184

CRI (CRI) **2/4/2015, 3:14:23 PM** **Rack S, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	10.0466	10.1502	10.1560
Al 308.215	197.585	196.574	200.241
As 188.980	20.2059	16.9096	21.0918
B 249.678	100.693	99.5354	101.329
Ba 389.178	10.1859	9.8525	9.9927
Be 313.042	4.1712	4.1443	4.1793
Ca 370.602	519.5	516.3	517.8
Cd 226.502	4.9476	4.9996	5.0688
Co 228.615	9.7460	9.7388	9.9959
Cr 267.716	10.4366	10.2158	10.5022

Label	Replicates Concentration		
Cu 324.754	20.9500	20.7817	21.1412
Fe 271.441	48.9327	56.9571	50.4517
K 766.491	1073.53	1069.58	1075.57
Mg 279.078	505.961	505.649	511.253
Mn 257.610	10.7025	10.6277	10.6712
Mo 202.032	9.8154	9.8244	9.7715
Na 330.237	1158.50	858.143	868.012
Ni 231.604	39.6825	40.6193	39.7614
Pb 220.353	10.9072	9.5153	8.3299
Sb 206.834	19.4944	19.6460	24.1061
Se 196.026	21.1805	18.6035	21.2076
Sn 189.925	51.1088	45.9562	53.2660
Sr 216.596	9.9444	9.6526	9.7792
Ti 334.941	10.0082	9.9918	10.0941
Tl 190.794	25.4340	27.5583	26.0631
V 292.401	10.8523	11.2273	11.2657
Zn 206.200	21.7007	21.5551	20.5514

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.1176	ppb	0.0616	0.6	933.473	101.17583
Al 308.215	198.133	ppb	1.8943	1.0	1866.46	99.06667
As 188.980	19.4024	ppb	2.2038	11.4	9.2696	97.01207
B 249.678	100.519	ppb	0.9092	0.9	1949.87	100.51913
Ba 389.178	10.0104	ppb	0.1674	1.7	197.323	100.10383
Be 313.042	4.1649	ppb	0.0183	0.4	7899.65	104.12345
Ca 370.602	517.9	ppb	1.595	0.3	1651	103.57310
Cd 226.502	5.0054	ppb	0.0608	1.2	254.423	100.10748
Co 228.615	9.8269	ppb	0.1464	1.5	114.486	98.26917
Cr 267.716	10.3849	ppb	0.1500	1.4	628.105	103.84867
Cu 324.754	20.9577	ppb	0.1799	0.9	1793.81	104.78835
Fe 271.441	52.1138	ppb	4.2626	8.2	95.2330	104.22763
K 766.491	1072.89	ppb	3.0455	0.3	52067.8	107.28939
Mg 279.078	507.621	ppb	3.1492	0.6	1493.90	101.52415
Mn 257.610	10.6671	ppb	0.0376	0.4	2631.17	106.67117
Mo 202.032	9.8038	ppb	0.0283	0.3	73.2784	98.03755
Na 330.237	961.552	ppb	170.635	17.7	80.0456	96.15525
Ni 231.604	40.0211	ppb	0.5196	1.3	125.119	100.05270
Pb 220.353	9.5841	ppb	1.2900	13.5	28.0713	95.84140
Sb 206.834	21.0822	ppb	2.6199	12.4	26.0837	105.41085
Se 196.026	20.3305	ppb	1.4957	7.4	16.8637	101.65259
Sn 189.925	50.1103	ppb	3.7558	7.5	32.0258	100.22063
Sr 216.596	9.7921	ppb	0.1464	1.5	120.236	97.92082
Ti 334.941	10.0313	ppb	0.0549	0.5	3251.10	100.31340
Tl 190.794	26.3518	ppb	1.0911	4.1	21.1573	105.40721
V 292.401	11.1151	ppb	0.2284	2.1	320.365	111.15116
Zn 206.200	21.2690	ppb	0.6257	2.9	22.9210	106.34520

Interf Check A (ICSA) **2/4/2015, 3:21:13 PM** **Rack S, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	0.4417u	0.3232u	0.1144u
Al 308.215	537698	537871	538664
As 188.980	5.9446	8.8593	2.5248

Label	Replicates Concentration		
B 249.678	3.3641u	1.9747u	3.0178u
Ba 389.178	-2.9141	-2.2341	-2.6377
Be 313.042	-0.1213u	-0.1267u	-0.1233u
Ca 370.602	504894	508103	507444
Cd 226.502	1.9298	2.0084	1.9245
Co 228.615	-3.9792u	-4.1402u	-4.3402u
Cr 267.716	-0.5194	-0.5940	-0.6558
Cu 324.754	2.5493	3.0980	2.6349
Fe 271.441	184267	184380	184643
K 766.491	4.3546	3.3967	3.7613
Mg 279.078	508740	510316	507853
Mn 257.610	1.7188	1.6833	1.7267
Mo 202.032	0.8414u	1.2368u	-0.7153u
Na 330.237	-55.5195u	-222.418u	36.6217u
Ni 231.604	-1.7114	-2.0033	-2.0935
Pb 220.353	8.6566	9.1432	3.8292
Sb 206.834	-4.3928u	14.5130	2.8702
Se 196.026	8.5123	-7.0475u	-10.8083u
Sn 189.925	0.6961	-0.5073u	-2.2569u
Sr 216.596	-8.5509	-6.7509	-6.9634
Ti 334.941	2.2229	2.0807	2.1312
Tl 190.794	-7.8106u	-9.0556u	-7.2607u
V 292.401	5.2811	5.4619	5.0710
Zn 206.200	12.3088	16.5466	11.6995

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2931	ppb	0.1657	56.5	-25.0548	0.29312
Al 308.215	538078	ppb	514.965	0.1	4183133	-
As 188.980	5.7762	ppb	3.1706	54.9	-1.4785	5.77624
B 249.678	2.7855	ppb	0.7232	26.0	-389.650	2.78553
Ba 389.178	-2.5953	ppb	0.3420	13.2	1184.83	-2.59528
Be 313.042	-0.1238	ppb	0.0027	2.2	-369.517	-0.12380
Ca 370.602	506814	ppb	1695	0.3	1593765	-
Cd 226.502	1.9542	ppb	0.0470	2.4	1029.44	1.95420
Co 228.615	-4.1532	ppb	0.1809	4.4	-36.7530	-4.15319
Cr 267.716	-0.5897	ppb	0.0683	11.6	96.5963	-0.58972
Cu 324.754	2.7607	ppb	0.2952	10.7	483.197	2.76071
Fe 271.441	184430	ppb	192.950	0.1	311371	-
K 766.491	3.8375	ppb	0.4835	12.6	513.631	3.83754
Mg 279.078	508970	ppb	1247.43	0.2	1479397	-
Mn 257.610	1.7096	ppb	0.0231	1.4	5407.12	1.70963
Mo 202.032	0.4543	ppb	1.0320	227.2	0.0160	0.45430
Na 330.237	-80.4386	ppb	131.305	163.2	-26.7255	-80.43859
Ni 231.604	-1.9360	ppb	0.1997	10.3	5.3518	-1.93605
Pb 220.353	7.2097	ppb	2.9376	40.7	29.2655	7.20968
Sb 206.834	4.3301	ppb	9.5371	220.3	5.6129	4.33009
Se 196.026	-3.1145	ppb	10.2432	328.9	7.3167	-3.11452
Sn 189.925	-0.6893	ppb	1.4849	215.4	-6.6045	-0.68934
Sr 216.596	-7.4217	ppb	0.9836	13.3	344.000	-7.42172
Ti 334.941	2.1449	ppb	0.0721	3.4	1728.80	2.14490
Tl 190.794	-8.0423	ppb	0.9196	11.4	-47.9178	-8.04230
V 292.401	5.2714	ppb	0.1957	3.7	72.3855	5.27136
Zn 206.200	13.5183	ppb	2.6402	19.5	8.3678	13.51832

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Interf Check AB (ICSAB) **2/4/2015, 3:25:48 PM** **Rack S, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	212.927	214.438	213.081
Al 308.215	534343	534711	533743
As 188.980	110.052	116.884	112.588
B 249.678	2.8026u	2.3573u	2.2205u
Ba 389.178	491.820	493.177	492.948
Be 313.042	471.386	473.579	471.546
Ca 370.602	503847	501924	499634
Cd 226.502	910.443	909.618	908.751
Co 228.615	462.365	458.842	458.854
Cr 267.716	488.215	488.461	487.795
Cu 324.754	566.002	562.711	567.399
Fe 271.441	182698	182645	182362
K 766.491	2.8535	2.5244	1.8611
Mg 279.078	504296	504976	505578
Mn 257.610	499.228	498.787	498.225
Mo 202.032	994.864	996.506	995.363
Na 330.237	-20.3890u	90.6997u	14.5535u
Ni 231.604	895.258	890.968	892.966
Pb 220.353	51.3909	50.5921	49.8409
Sb 206.834	630.404	616.399	620.540
Se 196.026	58.5949	33.8157	53.5907
Sn 189.925	987.977	987.917	985.114
Sr 216.596	-6.8897	-6.8063	-7.3521
Ti 334.941	2.1614	2.1577	2.2225
Tl 190.794	79.0415	87.4192	89.5516
V 292.401	488.607	488.122	487.894
Zn 206.200	906.269	918.233	911.622

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	213.482	ppb	0.8312	0.4	19861.6	106.74088
Al 308.215	534265	ppb	488.713	0.1	4153597	106.85309
As 188.980	113.175	ppb	3.4539	3.1	73.0278	113.17464
B 249.678	2.4601	ppb	0.3043	12.4	-381.119	-
Ba 389.178	492.648	ppb	0.7264	0.1	13134.6	98.52968
Be 313.042	472.170	ppb	1.2225	0.3	933706	94.43403
Ca 370.602	501802	ppb	2109	0.4	1578022	100.36034
Cd 226.502	909.604	ppb	0.8458	0.1	42703.7	90.96042
Co 228.615	460.020	ppb	2.0304	0.4	5388.33	92.00402
Cr 267.716	488.157	ppb	0.3370	0.1	28202.1	97.63136
Cu 324.754	565.371	ppb	2.4072	0.4	43602.4	113.07412
Fe 271.441	182568	ppb	180.980	0.1	308290	91.28417
K 766.491	2.4130	ppb	0.5055	20.9	444.934	-
Mg 279.078	504950	ppb	641.432	0.1	1467701	100.98999
Mn 257.610	498.747	ppb	0.5031	0.1	124767	99.74931
Mo 202.032	995.578	ppb	0.8419	0.1	6866.34	99.55777
Na 330.237	28.2881	ppb	56.8037	200.8	-41.8273	-
Ni 231.604	893.064	ppb	2.1463	0.2	2916.90	89.30641
Pb 220.353	50.6080	ppb	0.7751	1.5	97.6616	101.21590
Sb 206.834	622.448	ppb	7.1948	1.2	876.168	103.74128
Se 196.026	48.6671	ppb	13.1028	26.9	32.3693	97.33417
Sn 189.925	987.002	ppb	1.6360	0.2	744.467	98.70023
Sr 216.596	-7.0160	ppb	0.2940	4.2	308.230	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	2.1806	ppb	0.0364	1.7	1731.94	-
Tl 190.794	85.3374	ppb	5.5557	6.5	57.5388	85.33740
V 292.401	488.208	ppb	0.3639	0.1	14431.6	97.64153
Zn 206.200	912.041	ppb	5.9933	0.7	960.936	91.20412

LRA1 (Samp) **2/4/2015, 3:30:24 PM** **Rack S, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-0.7155	-0.2698	-0.5651
Al 308.215	69.6204	68.5593	67.9595
As 188.980	20641.3x	20567.5x	20701.8x
B 249.678	4864.29	4867.03	4875.57
Ba 389.178	-0.3596u	-0.6334u	-0.7584u
Be 313.042	0.1252	0.1238	0.1245
Ca 370.602	-748.5	-742.6	-742.0
Cd 226.502	-1.2856u	-1.2579u	-1.1920u
Co 228.615	10034.6	10042.5	10078.8
Cr 267.716	-0.9335	-0.9885	-0.9742
Cu 324.754	-2.7100u	-2.3061u	-2.4532u
Fe 271.441	44.8282	41.1949	51.7057
K 766.491	1.4659	1.1460	1.1011
Mg 279.078	21.7772u	21.1133u	16.5826u
Mn 257.610	27132.0x	27015.3	27133.8
Mo 202.032	0.5680	0.9017	1.0107
Na 330.237	-802.905u	-586.273u	-735.831u
Ni 231.604	10166.6x	10111.4x	10137.2x
Pb 220.353	20277.1x	20183.0x	20234.3x
Sb 206.834	7.3694	8.2826	5.0350
Se 196.026	-4.8209	0.0613	-7.8244
Sn 189.925	3.5103	7.0169	1.1300
Sr 216.596	-1.0870u	-0.8922u	-1.5451u
Ti 334.941	26552.2	26529.2	26609.0
Tl 190.794	12.9314	12.8605	8.6910
V 292.401	1.0391	1.2599	1.3575
Zn 206.200	1.0696	0.5947	-0.8635u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5168b	ppb	0.2268	43.9	97.2069
Al 308.215	68.7131b	ppb	0.8411	1.2	781.913
As 188.980	20636.9xb	ppb	67.2689	0.3	14367.1
B 249.678	4868.96b	ppb	5.8854	0.1	92429.9
Ba 389.178	-0.5838b	ppb	0.2040	34.9	-59.4555
Be 313.042	0.1245b	ppb	0.0007	0.6	-108.621
Ca 370.602	-744.3b	ppb	3.588	0.5	11372
Cd 226.502	-1.2452b	ppb	0.0481	3.9	-77.6870
Co 228.615	10052.0b	ppb	23.5612	0.2	118658
Cr 267.716	-0.9654b	ppb	0.0285	3.0	176.670
Cu 324.754	-2.4898b	ppb	0.2044	8.2	-2.1446
Fe 271.441	45.9096b	ppb	5.3382	11.6	1310.87
K 766.491	1.2377b	ppb	0.1989	16.1	388.255
Mg 279.078	19.8244b	ppb	2.8270	14.3	-522.345
Mn 257.610	27093.7xb	ppb	67.8970	0.3	6508614
Mo 202.032	0.8268b	ppb	0.2307	27.9	11.3022

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	-708.336b	ppb	110.902	15.7	-12.6023
Ni 231.604	10138.4xb	ppb	27.5938	0.3	32965.6
Pb 220.353	20231.4xb	ppb	47.1028	0.2	32466.9
Sb 206.834	6.8956b	ppb	1.6748	24.3	5.9079
Se 196.026	-4.1947b	ppb	3.9800	94.9	11.5767
Sn 189.925	3.8857b	ppb	2.9613	76.2	-3.1257
Sr 216.596	-1.1748b	ppb	0.3352	28.5	-290.991
Ti 334.941	26563.5b	ppb	41.0729	0.2	8711617
Tl 190.794	11.4943b	ppb	2.4280	21.1	47.5466
V 292.401	1.2188b	ppb	0.1631	13.4	243.843
Zn 206.200	0.2670b	ppb	1.0074	377.4	0.6285

LRA2 (Samp) **2/4/2015, 3:35:01 PM** **Rack S, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	1.1612u	0.2765u	-0.0186u
Al 308.215	796879	798095	799253
As 188.980	20.3492	21.9803	14.8352
B 249.678	26.8082u	22.7338u	21.7112u
Ba 389.178	5.2959	6.0540	5.0556
Be 313.042	-0.1580u	-0.1584u	-0.1589u
Ca 370.602	765044	756169	758277
Cd 226.502	16.3137	16.8709	16.4071
Co 228.615	-13.8509u	-14.8377u	-14.2379u
Cr 267.716	-6.1028	-6.4423	-6.6672
Cu 324.754	5.4166	5.6386	5.2408
Fe 271.441	938112	937714	937115
K 766.491	-1.5437u	-0.8788u	-1.6453u
Mg 279.078	736999	738116	736846
Mn 257.610	6.6072	6.6745	6.4359
Mo 202.032	3.2790u	1.9401u	5.4311u
Na 330.237	-449.896u	-475.263u	-149.789u
Ni 231.604	-22.9863	-16.4439	-17.8207
Pb 220.353	28.7160	20.4322	27.4482
Sb 206.834	14.9095	9.2095	18.2832
Se 196.026	-22.4053u	-34.1594u	-31.2413u
Sn 189.925	-0.8434u	-0.3817u	6.8352
Sr 216.596	18.5829	19.2990	19.0567
Ti 334.941	5.1009	4.6552	4.3532
Tl 190.794	-36.9685u	-29.2831u	-30.0221u
V 292.401	21.6463	21.7556	21.4338
Zn 206.200	44.0645	44.0843	45.5761

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4730	ppb	0.6140	129.8	-155.765
Al 308.215	798076	ppb	1186.90	0.1	6204343
As 188.980	19.0549	ppb	3.7443	19.7	2.6014
B 249.678	23.7511	ppb	2.6965	11.4	-1977.00
Ba 389.178	5.4685	ppb	0.5211	9.5	2518.41
Be 313.042	-0.1584	ppb	0.0005	0.3	-363.672
Ca 370.602	759830	ppb	4637	0.6	2381842
Cd 226.502	16.5306	ppb	0.2984	1.8	5417.12
Co 228.615	-14.3088	ppb	0.4972	3.5	-103.592

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-6.4041	ppb	0.2841	4.4	148.139
Cu 324.754	5.4320	ppb	0.1993	3.7	1028.45
Fe 271.441	937647	ppb	502.039	0.1	1582994
K 766.491	-1.3560	ppb	0.4163	30.7	263.180
Mg 279.078	737321	ppb	693.551	0.1	2143116
Mn 257.610	6.5726	ppb	0.1230	1.9	11011.7
Mo 202.032	3.5501	ppb	1.7612	49.6	-14.4819
Na 330.237	-358.316	ppb	181.035	50.5	-246.121
Ni 231.604	-19.0837	ppb	3.4492	18.1	17.2895
Pb 220.353	25.5321	ppb	4.4619	17.5	106.231
Sb 206.834	14.1341	ppb	4.5863	32.4	33.3857
Se 196.026	-29.2687	ppb	6.1203	20.9	1.8719
Sn 189.925	1.8700	ppb	4.3061	230.3	-4.6600
Sr 216.596	18.9796	ppb	0.3642	1.9	1741.68
Ti 334.941	4.7031	ppb	0.3761	8.0	3136.76
Tl 190.794	-32.0912	ppb	4.2400	13.2	-197.758
V 292.401	21.6119	ppb	0.1637	0.8	253.973
Zn 206.200	44.5750	ppb	0.8671	1.9	15.3356

LRA3 (Samp) **2/4/2015, 3:39:38 PM** **Rack S, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	0.1114	0.1852	0.1040
Al 308.215	781.787	756.487	772.258
As 188.980	0.2315	4.5545	0.9312
B 249.678	6.3194	5.7535	5.9165
Ba 389.178	0.6803	-0.1747u	0.1254
Be 313.042	0.0261	0.0311	0.0203
Ca 370.602	812.2	794.5	808.4
Cd 226.502	-0.0026	0.0054	0.0071
Co 228.615	0.8251	0.5978	0.4904
Cr 267.716	0.0702	0.0639	0.0211
Cu 324.754	0.9539	1.0119	1.1210
Fe 271.441	952.210	931.519	949.017
K 766.491	41245.6x	40053.1x	40927.4x
Mg 279.078	745.149	722.597	731.920
Mn 257.610	3.1726	3.0894	3.1229
Mo 202.032	0.2825	-0.1734u	0.0381
Na 330.237	106565x	103956x	105671x
Ni 231.604	0.0387	0.6717	0.8487
Pb 220.353	2.0478	0.0824	1.8300
Sb 206.834	4.1438	3.3136	0.5814
Se 196.026	1.6455	-5.3181u	-0.2905u
Sn 189.925	3.6798	-0.3774u	3.2954
Sr 216.596	0.3029	0.1832	0.0098
Ti 334.941	2.8033	2.6166	2.6486
Tl 190.794	0.8991	0.7726	1.8405
V 292.401	0.2317	0.1681	-0.0036u
Zn 206.200	29390.5x	28707.5x	29114.3x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1335b	ppb	0.0449	33.6	2.4713
Al 308.215	770.177b	ppb	12.7776	1.7	6311.52

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.9057b	ppb	2.3205	121.8	-2.9181
B 249.678	5.9965b	ppb	0.2913	4.9	153.830
Ba 389.178	0.2103b	ppb	0.4338	206.2	-38.0634
Be 313.042	0.0258b	ppb	0.0054	20.9	-298.432
Ca 370.602	805.0b	ppb	9.310	1.2	2541
Cd 226.502	0.0033b	ppb	0.0052	155.6	28.4311
Co 228.615	0.6378b	ppb	0.1709	26.8	6.7536
Cr 267.716	0.0517b	ppb	0.0267	51.6	35.6440
Cu 324.754	1.0289b	ppb	0.0848	8.2	267.796
Fe 271.441	944.249b	ppb	11.1390	1.2	1600.16
K 766.491	40742.0xb	ppb	617.497	1.5	1965070
Mg 279.078	733.222b	ppb	11.3324	1.5	2149.66
Mn 257.610	3.1283b	ppb	0.0419	1.3	824.454
Mo 202.032	0.0491b	ppb	0.2282	465.1	5.9368
Na 330.237	105397xb	ppb	1325.83	1.3	5122.49
Ni 231.604	0.5197b	ppb	0.4259	81.9	-3.3058
Pb 220.353	1.3201b	ppb	1.0774	81.6	14.8740
Sb 206.834	2.6796b	ppb	1.8639	69.6	-0.1064
Se 196.026	-1.3210b	ppb	3.5944	272.1	6.4381
Sn 189.925	2.1993b	ppb	2.2397	101.8	-4.3758
Sr 216.596	0.1653b	ppb	0.1473	89.1	5.8008
Ti 334.941	2.6895b	ppb	0.0999	3.7	835.056
Tl 190.794	1.1707b	ppb	0.5834	49.8	-7.6684
V 292.401	0.1320b	ppb	0.1217	92.2	-10.3755
Zn 206.200	29070.8xb	ppb	343.597	1.2	30848.8

Cont Calib Verif (CCV) **2/4/2015, 3:44:13 PM** **Rack 1, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	470.175	468.973	468.376
Al 308.215	4666.65	4643.78	4672.58
As 188.980	476.408	477.417	480.780
B 249.678	471.617	469.570	472.635
Ba 389.178	4799.76	4780.63	4817.73
Be 313.042	480.825	478.548	485.038
Ca 370.602	4890	4870	4907
Cd 226.502	481.257	480.037	484.244
Co 228.615	486.087	483.634	487.485
Cr 267.716	4933.80	4920.57	4959.38
Cu 324.754	4945.74	4891.32	4896.68
Fe 271.441	4713.64	4697.55	4726.02
K 766.491	10087.5	10061.0	10084.8
Mg 279.078	4812.38	4795.45	4820.90
Mn 257.610	4901.01	4876.86	4935.33
Mo 202.032	482.630	477.787	482.703
Na 330.237	7337.86	7256.03	7308.12
Ni 231.604	2442.61	2431.00	2447.63
Pb 220.353	486.509	479.117	485.219
Sb 206.834	942.709	944.360	948.948
Se 196.026	4782.68	4788.15	4827.41
Sn 189.925	4810.15	4746.21	4833.23
Sr 216.596	2393.18	2383.72	2411.48
Ti 334.941	468.411	466.402	470.522

Label	Replicates Concentration		
Tl 190.794	4916.96	4907.23	4940.01
V 292.401	4821.02	4803.22	4835.61
Zn 206.200	2407.17	2405.97	2419.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	469.175	ppb	0.9165	0.2	43696.0	93.83495
Al 308.215	4661.00	ppb	15.2075	0.3	37308.1	93.21999
As 188.980	478.202	ppb	2.2895	0.5	328.601	95.64034
B 249.678	471.274	ppb	1.5608	0.3	8988.34	94.25481
Ba 389.178	4799.38	ppb	18.5528	0.4	115829	95.98751
Be 313.042	481.470	ppb	3.2923	0.7	952227	96.29404
Ca 370.602	4889	ppb	18.29	0.4	15768	97.78336
Cd 226.502	481.846	ppb	2.1646	0.4	22175.3	96.36916
Co 228.615	485.735	ppb	1.9492	0.4	5710.30	97.14703
Cr 267.716	4937.91	ppb	19.7276	0.4	284099	98.75829
Cu 324.754	4911.25	ppb	29.9955	0.6	376248	98.22491
Fe 271.441	4712.40	ppb	14.2758	0.3	8065.36	94.24805
K 766.491	10077.8	ppb	14.5585	0.1	486319	100.77785
Mg 279.078	4809.58	ppb	12.9555	0.3	13889.9	96.19154
Mn 257.610	4904.40	ppb	29.3803	0.6	1178275	98.08796
Mo 202.032	481.040	ppb	2.8173	0.6	3319.47	96.20796
Na 330.237	7300.67	ppb	41.4194	0.6	369.980	97.34226
Ni 231.604	2440.42	ppb	8.5312	0.3	7936.75	97.61661
Pb 220.353	483.615	ppb	3.9481	0.8	793.006	96.72298
Sb 206.834	945.339	ppb	3.2325	0.3	1400.18	94.53389
Se 196.026	4799.42	ppb	24.3975	0.5	2320.76	95.98832
Sn 189.925	4796.53	ppb	45.0781	0.9	3641.35	95.93056
Sr 216.596	2396.13	ppb	14.1100	0.6	29040.3	95.84511
Ti 334.941	468.445	ppb	2.0602	0.4	153600	93.68903
Tl 190.794	4921.40	ppb	16.8331	0.3	5603.66	98.42801
V 292.401	4819.95	ppb	16.2211	0.3	145408	96.39902
Zn 206.200	2410.90	ppb	7.5225	0.3	2548.82	96.43591

Cont Calib Blank (CCB) **2/4/2015, 3:48:46 PM** **Rack 1, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.0503	0.1815	0.0733
Al 308.215	5.0991	4.0358	5.6324
As 188.980	-1.7617u	2.7873	-0.8150u
B 249.678	3.8333	3.5351	3.4016
Ba 389.178	0.5521	0.0169	0.0108
Be 313.042	0.0236	0.0158	0.0279
Ca 370.602	3.048	1.659	1.246
Cd 226.502	0.0447	-0.1487u	0.0471
Co 228.615	-0.4503u	-0.0901u	0.1249
Cr 267.716	0.0585	-0.0040u	0.1173
Cu 324.754	0.0516	0.0511	0.0127
Fe 271.441	1.2215	2.6962	3.2498
K 766.491	-0.1956u	-0.1353u	0.4579
Mg 279.078	0.1863	1.5921	2.5617
Mn 257.610	0.1722	0.2133	0.2476
Mo 202.032	0.6514	0.1922	-0.1794u
Na 330.237	-15.6541u	-46.7011u	43.5714

Label	Replicates Concentration		
Ni 231.604	0.4909	0.3074	0.8120
Pb 220.353	-3.2199u	-1.1526u	-2.9890u
Sb 206.834	3.0179	3.4846	2.5642
Se 196.026	-3.9433u	-6.0646u	0.5342
Sn 189.925	3.9533	2.5545	1.6876
Sr 216.596	0.2145	0.2206	-0.1875u
Ti 334.941	0.2097	0.2720	0.2719
Tl 190.794	-0.7355u	2.4339	4.7376
V 292.401	0.2860	0.2311	0.5406
Zn 206.200	0.1815	1.6839	0.5187

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1017	ppb	0.0701	68.9	-0.3193	0.10170
Al 308.215	4.9224	ppb	0.8128	16.5	362.679	4.92243
As 188.980	0.0702	ppb	2.4002	3419.4	-4.1900	0.07019
B 249.678	3.5900	ppb	0.2210	6.2	110.496	3.59000
Ba 389.178	0.1932	ppb	0.3108	160.8	-40.8918	0.19325
Be 313.042	0.0225	ppb	0.0061	27.4	-293.360	0.02246
Ca 370.602	1.985	ppb	0.9437	47.6	21.87	1.98455
Cd 226.502	-0.0190	ppb	0.1123	592.7	23.4585	-0.01895
Co 228.615	-0.1385	ppb	0.2906	209.8	-2.5172	-0.13850
Cr 267.716	0.0573	ppb	0.0607	106.0	33.9693	0.05726
Cu 324.754	0.0385	ppb	0.0223	58.0	191.530	0.03850
Fe 271.441	2.3891	ppb	1.0484	43.9	9.9599	2.38914
K 766.491	0.0423	ppb	0.3612	853.0	330.611	0.04234
Mg 279.078	1.4467	ppb	1.1943	82.6	22.7381	1.44669
Mn 257.610	0.2110	ppb	0.0378	17.9	114.893	0.21103
Mo 202.032	0.2214	ppb	0.4161	188.0	7.1704	0.22141
Na 330.237	-6.2613	ppb	45.8634	732.5	27.3577	-6.26129
Ni 231.604	0.5368	ppb	0.2554	47.6	-3.3666	0.53678
Pb 220.353	-2.4538	ppb	1.1328	46.2	8.7657	-2.45381
Sb 206.834	3.0222	ppb	0.4602	15.2	0.3611	3.02224
Se 196.026	-3.1579	ppb	3.3688	106.7	5.5435	-3.15789
Sn 189.925	2.7318	ppb	1.1432	41.8	-4.0026	2.73180
Sr 216.596	0.0825	ppb	0.2339	283.4	3.2544	0.08252
Ti 334.941	0.2512	ppb	0.0359	14.3	42.7008	0.25120
Tl 190.794	2.1454	ppb	2.7479	128.1	-6.4110	2.14537
V 292.401	0.3526	ppb	0.1651	46.8	-2.5302	0.35258
Zn 206.200	0.7947	ppb	0.7883	99.2	1.2166	0.79469

680-109515-b-2-a^10 (Samp) **2/4/2015, 3:53:19 PM** **Rack 1, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-0.7439u	-0.6315u	-0.8890u
Al 308.215	13998.3	13707.4	13532.3
As 188.980	25.7888	31.8742	25.2720
B 249.678	3.3955u	3.8990u	3.3694u
Ba 389.178	297.819	291.927	288.137
Be 313.042	2.2956	2.2485	2.2097
Ca 370.602	2466	2416	2390
Cd 226.502	-1.1205	-1.3397	-1.6102
Co 228.615	30.9588	31.2549	30.5912
Cr 267.716	61.5096	60.2925	59.1928

Label	Replicates Concentration		
Cu 324.754	3.9446	3.7930	3.7664
Fe 271.441	98083.5	95910.2	94551.8
K 766.491	130.374	128.378	126.853
Mg 279.078	867.676	853.009	841.119
Mn 257.610	4011.89	3930.48	3884.45
Mo 202.032	1.9651	2.3264	1.9157
Na 330.237	67.0992u	-42.2039u	-30.8021u
Ni 231.604	7.7153	7.7638	7.3345
Pb 220.353	62.3976	61.8133	59.5502
Sb 206.834	4.7704	4.9858	1.1829
Se 196.026	-2.8523	-6.1895u	0.8381
Sn 189.925	5.0417	-0.8072u	0.4683
Sr 216.596	8.5963	8.3277	7.6618
Ti 334.941	95.5029	93.7513	92.4102
Tl 190.794	-1.6454u	0.2114u	0.6576u
V 292.401	136.642	134.205	132.362
Zn 206.200	39.3246	38.2717	35.5811

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7548	ppb	0.1291	17.1	-75.8705
Al 308.215	13746.0	ppb	235.401	1.7	107212
As 188.980	27.6450	ppb	3.6717	13.3	14.3537
B 249.678	3.5546	ppb	0.2985	8.4	-143.288
Ba 389.178	292.628	ppb	4.8789	1.7	7099.92
Be 313.042	2.2513	ppb	0.0430	1.9	4120.40
Ca 370.602	2424	ppb	38.95	1.6	6707
Cd 226.502	-1.3568	ppb	0.2453	18.1	435.455
Co 228.615	30.9349	ppb	0.3325	1.1	371.324
Cr 267.716	60.3317	ppb	1.1589	1.9	3569.95
Cu 324.754	3.8347	ppb	0.0961	2.5	523.716
Fe 271.441	96181.8	ppb	1781.46	1.9	162390
K 766.491	128.535	ppb	1.7656	1.4	6527.04
Mg 279.078	853.935	ppb	13.3028	1.6	2408.37
Mn 257.610	3942.27	ppb	64.5365	1.6	947418
Mo 202.032	2.0691	ppb	0.2242	10.8	15.2028
Na 330.237	-1.9690	ppb	60.0858	3051.7	0.7718
Ni 231.604	7.6045	ppb	0.2351	3.1	28.1801
Pb 220.353	61.2537	ppb	1.5039	2.5	118.146
Sb 206.834	3.6463	ppb	2.1361	58.6	3.7709
Se 196.026	-2.7346	ppb	3.5153	128.6	7.6087
Sn 189.925	1.5676	ppb	3.0755	196.2	-4.8881
Sr 216.596	8.1953	ppb	0.4811	5.9	228.822
Ti 334.941	93.8881	ppb	1.5509	1.7	30766.7
Tl 190.794	-0.2588	ppb	1.2214	471.9	-22.3572
V 292.401	134.403	ppb	2.1472	1.6	4008.96
Zn 206.200	37.7258	ppb	1.9305	5.1	36.9723

680-109515-a-3-a^10 (Samp) **2/4/2015, 3:57:52 PM** **Rack 1, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-0.3887u	-0.4313u	-0.1657u
Al 308.215	18057.4	17656.5	17295.6
As 188.980	37.9594	36.9833	39.4507

Label	Replicates Concentration		
B 249.678	2.8188u	2.7511u	3.3583u
Ba 389.178	25.4610	23.8302	23.4840
Be 313.042	3.3159	3.2404	3.1692
Ca 370.602	1423	1396	1379
Cd 226.502	-1.6160	-1.6387	-2.2292
Co 228.615	15.7778	15.5712	15.2424
Cr 267.716	72.6597	71.0766	69.5700
Cu 324.754	2.7660	2.9948	2.8335
Fe 271.441	132639	129416	126977
K 766.491	175.588	171.686	167.355
Mg 279.078	1277.04	1253.31	1225.94
Mn 257.610	958.603	935.788	917.999
Mo 202.032	1.9558	1.8037	1.8265
Na 330.237	-45.4809u	175.296u	164.999u
Ni 231.604	10.6772	9.7929	11.0150
Pb 220.353	33.1250	33.1797	32.2049
Sb 206.834	1.5692	3.2447	1.5506
Se 196.026	-6.1059u	-3.5886u	-0.0308
Sn 189.925	5.3084	2.5792	4.4137
Sr 216.596	5.7940	5.7352	5.1663
Ti 334.941	86.1121	84.5029	82.8840
Tl 190.794	-1.7300u	0.6261u	1.5719u
V 292.401	176.282	172.286	168.127
Zn 206.200	45.6732	46.4739	44.0756

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3286	ppb	0.1426	43.4	-59.3520
Al 308.215	17669.8	ppb	381.053	2.2	137724
As 188.980	38.1311	ppb	1.2426	3.3	21.4260
B 249.678	2.9761	ppb	0.3327	11.2	-242.782
Ba 389.178	24.2584	ppb	1.0557	4.4	651.087
Be 313.042	3.2418	ppb	0.0734	2.3	6081.77
Ca 370.602	1399	ppb	22.30	1.6	3007
Cd 226.502	-1.8279	ppb	0.3476	19.0	579.436
Co 228.615	15.5305	ppb	0.2700	1.7	192.530
Cr 267.716	71.1021	ppb	1.5450	2.2	4190.75
Cu 324.754	2.8648	ppb	0.1176	4.1	464.046
Fe 271.441	129677	ppb	2839.93	2.2	218938
K 766.491	171.543	ppb	4.1185	2.4	8601.05
Mg 279.078	1252.10	ppb	25.5734	2.0	3630.60
Mn 257.610	937.463	ppb	20.3536	2.2	225705
Mo 202.032	1.8620	ppb	0.0820	4.4	12.1342
Na 330.237	98.2712	ppb	124.599	126.8	-2.9629
Ni 231.604	10.4950	ppb	0.6311	6.0	40.6433
Pb 220.353	32.8365	ppb	0.5477	1.7	74.1654
Sb 206.834	2.1215	ppb	0.9728	45.9	2.3592
Se 196.026	-3.2418	ppb	3.0524	94.2	6.9598
Sn 189.925	4.1004	ppb	1.3913	33.9	-2.9621
Sr 216.596	5.5652	ppb	0.3467	6.2	240.593
Ti 334.941	84.4997	ppb	1.6140	1.9	27693.3
Tl 190.794	0.1560	ppb	1.7004	1089.9	-28.9157
V 292.401	172.231	ppb	4.0780	2.4	5138.46
Zn 206.200	45.4076	ppb	1.2210	2.7	43.9440

680-109515-b-4-a^10 (Samp) **2/4/2015, 4:02:26 PM** **Rack 1, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.4157u	-0.4343u	-0.1711u
Al 308.215	13123.0	12951.3	12893.2
As 188.980	17.8889	17.1435	13.6021
B 249.678	1.6205u	1.4603u	1.6863u
Ba 389.178	184.994	182.633	181.395
Be 313.042	1.8131	1.7864	1.7811
Ca 370.602	1594	1579	1572
Cd 226.502	-0.9374	-0.9960	-0.9311
Co 228.615	28.9669	29.0765	28.9278
Cr 267.716	36.8770	36.4118	36.5228
Cu 324.754	2.6314	2.5947	3.1210
Fe 271.441	64909.0	64000.4	63873.3
K 766.491	167.479	165.727	165.442
Mg 279.078	1324.11	1304.40	1299.49
Mn 257.610	4025.68	3975.96	3951.33
Mo 202.032	1.0524	0.6418	0.3398u
Na 330.237	180.211u	10.6551u	13.1776u
Ni 231.604	10.4216	10.1195	10.5089
Pb 220.353	32.5359	36.0059	34.1393
Sb 206.834	-0.3097	1.2749	5.7284
Se 196.026	1.6623	-2.0078	2.1287
Sn 189.925	1.9272	2.6690	3.8988
Sr 216.596	6.1074	5.8002	6.1890
Ti 334.941	51.9608	51.1646	51.1276
Tl 190.794	1.3264u	2.2709u	-0.4296u
V 292.401	93.0900	92.2513	91.8174
Zn 206.200	36.2614	35.6570	33.5404

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3404	ppb	0.1469	43.2	-30.9930
Al 308.215	12989.2	ppb	119.491	0.9	101318
As 188.980	16.2115	ppb	2.2904	14.1	6.6100
B 249.678	1.5890	ppb	0.1163	7.3	-96.7582
Ba 389.178	183.008	ppb	1.8285	1.0	4428.38
Be 313.042	1.7936	ppb	0.0172	1.0	3213.54
Ca 370.602	1582	ppb	11.40	0.7	4398
Cd 226.502	-0.9548	ppb	0.0358	3.7	297.179
Co 228.615	28.9904	ppb	0.0771	0.3	345.326
Cr 267.716	36.6039	ppb	0.2430	0.7	2189.19
Cu 324.754	2.7824	ppb	0.2939	10.6	429.331
Fe 271.441	64260.9	ppb	564.852	0.9	108499
K 766.491	166.216	ppb	1.1033	0.7	8344.16
Mg 279.078	1309.33	ppb	13.0312	1.0	3731.59
Mn 257.610	3984.32	ppb	37.8705	1.0	957417
Mo 202.032	0.6780	ppb	0.3577	52.8	7.1631
Na 330.237	68.0146	ppb	97.1732	142.9	13.2556
Ni 231.604	10.3500	ppb	0.2043	2.0	34.2667
Pb 220.353	34.2270	ppb	1.7367	5.1	72.6386
Sb 206.834	2.2312	ppb	3.1306	140.3	0.8864
Se 196.026	0.5944	ppb	2.2656	381.1	8.9211
Sn 189.925	2.8317	ppb	0.9958	35.2	-3.9268
Sr 216.596	6.0322	ppb	0.2050	3.4	160.350

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	51.4176	ppb	0.4708	0.9	16834.9
Tl 190.794	1.0559	ppb	1.3704	129.8	-15.7407
V 292.401	92.3862	ppb	0.6470	0.7	2752.58
Zn 206.200	35.1529	ppb	1.4288	4.1	35.3863

680-109515-a-17-a^10 (Samp) **2/4/2015, 4:07:00 PM** **Rack 1, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	-0.6192u	-0.5252u	-0.4392u
Al 308.215	19219.6	18936.5	18590.4
As 188.980	48.8831	44.0487	44.3605
B 249.678	2.0861u	2.8417u	2.4563u
Ba 389.178	205.938	203.699	200.319
Be 313.042	2.8054	2.7654	2.7313
Ca 370.602	1781	1759	1738
Cd 226.502	-1.6642	-1.7016	-1.9989
Co 228.615	55.3583	54.4431	53.7132
Cr 267.716	119.922	118.006	116.312
Cu 324.754	9.6277	9.3857	8.9584
Fe 271.441	118631	116686	114773
K 766.491	398.068	393.606	387.167
Mg 279.078	588.931	579.354	570.583
Mn 257.610	5843.67	5741.30	5661.10
Mo 202.032	4.2171	3.9046	3.8413
Na 330.237	-37.0750u	25.0315u	56.5911u
Ni 231.604	19.6458	19.2116	17.5953
Pb 220.353	60.9023	62.2216	59.5890
Sb 206.834	1.1887	-0.9968	1.8719
Se 196.026	-1.2954	-5.2565u	-0.5949
Sn 189.925	5.1174	3.7250	5.2105
Sr 216.596	10.6063	9.8618	9.1552
Ti 334.941	92.1572	90.9292	89.4076
Tl 190.794	-0.5715u	5.2667u	-1.3889u
V 292.401	151.164	148.565	146.643
Zn 206.200	46.0257	46.9400	44.4232

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5279	ppb	0.0900	17.0	-48.3222
Al 308.215	18915.5	ppb	315.101	1.7	147402
As 188.980	45.7641	ppb	2.7056	5.9	26.8300
B 249.678	2.4614	ppb	0.3778	15.4	-218.294
Ba 389.178	203.319	ppb	2.8289	1.4	4960.74
Be 313.042	2.7674	ppb	0.0371	1.3	5140.84
Ca 370.602	1759	ppb	21.90	1.2	4428
Cd 226.502	-1.7882	ppb	0.1834	10.3	517.143
Co 228.615	54.5049	ppb	0.8243	1.5	649.652
Cr 267.716	118.080	ppb	1.8061	1.5	6912.19
Cu 324.754	9.3239	ppb	0.3389	3.6	953.267
Fe 271.441	116697	ppb	1929.07	1.7	197028
K 766.491	392.947	ppb	5.4803	1.4	19278.0
Mg 279.078	579.622	ppb	9.1771	1.6	1568.96
Mn 257.610	5748.69	ppb	91.5112	1.6	1381428
Mo 202.032	3.9877	ppb	0.2012	5.0	27.4464

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	14.8492	ppb	47.6560	320.9	-4.0583
Ni 231.604	18.8176	ppb	1.0805	5.7	66.4631
Pb 220.353	60.9043	ppb	1.3163	2.2	119.328
Sb 206.834	0.6879	ppb	1.4985	217.8	0.6446
Se 196.026	-2.3823	ppb	2.5137	105.5	8.4089
Sn 189.925	4.6843	ppb	0.8321	17.8	-2.5181
Sr 216.596	9.8744	ppb	0.7257	7.3	275.714
Ti 334.941	90.8313	ppb	1.3774	1.5	29766.7
Tl 190.794	1.1021	ppb	3.6298	329.4	-23.1107
V 292.401	148.791	ppb	2.2687	1.5	4432.15
Zn 206.200	45.7963	ppb	1.2740	2.8	44.7117

680-109515-b-20-a^10 (Samp) **2/4/2015, 4:11:35 PM** **Rack 1, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-0.5341u	-0.5988u	-0.4761
Al 308.215	10367.7	9974.22	9798.62
As 188.980	24.7566	24.9465	25.0812
B 249.678	1.7785u	1.9549u	2.1295u
Ba 389.178	581.189	559.398	548.900
Be 313.042	1.9199	1.8419	1.8030
Ca 370.602	4444	4270	4199
Cd 226.502	-0.1418	-0.2682	-0.2687
Co 228.615	39.2780	37.9742	37.6097
Cr 267.716	54.1357	51.7407	50.9432
Cu 324.754	40.0782	38.6647	37.6629
Fe 271.441	49655.6	47796.5	46932.3
K 766.491	627.071	603.897	592.067
Mg 279.078	1232.94	1190.12	1167.26
Mn 257.610	10505.8	10105.7	9945.61
Mo 202.032	2.9039	2.8385	2.8105
Na 330.237	30.2848u	129.043u	28.6769u
Ni 231.604	13.0708	13.2731	12.1896
Pb 220.353	87.5439	84.8360	83.0554
Sb 206.834	1.2976	4.6505	0.7120
Se 196.026	-5.1588	-5.3689	-7.9169u
Sn 189.925	3.4957	0.9358	1.3220
Sr 216.596	21.3277	20.5652	19.4330
Ti 334.941	113.347	109.308	107.188
Tl 190.794	0.5895u	1.9544	1.7321u
V 292.401	66.7107	64.4711	63.2420
Zn 206.200	141.681	132.422	130.580

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5363	ppb	0.0613	11.4	-11.5666
Al 308.215	10046.9	ppb	291.432	2.9	78440.0
As 188.980	24.9281	ppb	0.1631	0.7	12.7900
B 249.678	1.9543	ppb	0.1755	9.0	-47.4041
Ba 389.178	563.162	ppb	16.4707	2.9	13590.7
Be 313.042	1.8550	ppb	0.0595	3.2	3332.35
Ca 370.602	4305	ppb	126.2	2.9	13358
Cd 226.502	-0.2262	ppb	0.0731	32.3	251.113
Co 228.615	38.2873	ppb	0.8771	2.3	454.667

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	52.2732	ppb	1.6616	3.2	3115.05
Cu 324.754	38.8019	ppb	1.2135	3.1	3180.98
Fe 271.441	48128.1	ppb	1391.58	2.9	81263.9
K 766.491	607.678	ppb	17.8060	2.9	29633.2
Mg 279.078	1196.77	ppb	33.3426	2.8	3268.52
Mn 257.610	10185.7	ppb	288.514	2.8	2447083
Mo 202.032	2.8510	ppb	0.0479	1.7	22.9541
Na 330.237	62.6681	ppb	57.4877	91.7	14.9074
Ni 231.604	12.8445	ppb	0.5761	4.5	40.9146
Pb 220.353	85.1451	ppb	2.2602	2.7	154.564
Sb 206.834	2.2201	ppb	2.1251	95.7	0.7427
Se 196.026	-6.1482	ppb	1.5353	25.0	7.0135
Sn 189.925	1.9179	ppb	1.3801	72.0	-4.6216
Sr 216.596	20.4420	ppb	0.9533	4.7	315.142
Ti 334.941	109.948	ppb	3.1289	2.8	36027.5
Tl 190.794	1.4253	ppb	0.7324	51.4	-9.4394
V 292.401	64.8080	ppb	1.7587	2.7	1924.45
Zn 206.200	134.895	ppb	5.9494	4.4	141.751

680-109515-b-21-a^10 (Samp) **2/4/2015, 4:16:09 PM** **Rack 1, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	-0.5300u	-0.6425u	-0.6883u
Al 308.215	9800.42	9629.39	9488.33
As 188.980	9.7078	10.0475	7.4427
B 249.678	1.0721u	1.4709u	0.8532u
Ba 389.178	264.393	260.376	257.314
Be 313.042	1.5956	1.5657	1.5514
Ca 370.602	1834	1802	1778
Cd 226.502	-0.3225	-0.2494	-0.1714
Co 228.615	13.0184	12.6758	12.3430
Cr 267.716	23.2190	22.8528	22.4343
Cu 324.754	9.7571	9.5497	9.5824
Fe 271.441	22731.7	22374.6	22044.8
K 766.491	489.539	481.820	475.085
Mg 279.078	593.299	580.958	574.196
Mn 257.610	4585.74	4508.71	4446.05
Mo 202.032	1.1507	1.2487	0.5974
Na 330.237	-65.7051u	24.8362u	37.8201u
Ni 231.604	6.3157	6.8931	6.7269
Pb 220.353	29.6088	32.2330	34.2633
Sb 206.834	-0.2622	-1.7728u	4.1929
Se 196.026	-2.7313u	-0.7367	-5.8571u
Sn 189.925	2.9688	4.1761	3.6323
Sr 216.596	11.9574	11.9009	11.6700
Ti 334.941	95.8011	94.2991	92.9193
Tl 190.794	3.6249	-0.1225u	-0.2094u
V 292.401	36.3025	35.8471	34.7609
Zn 206.200	38.6605	37.8400	36.8099

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6203	ppb	0.0815	13.1	-46.5358
Al 308.215	9639.38	ppb	156.285	1.6	75264.9

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	9.0660	ppb	1.4161	15.6	1.9210
B 249.678	1.1320	ppb	0.3132	27.7	4.8764
Ba 389.178	260.694	ppb	3.5501	1.4	6266.94
Be 313.042	1.5709	ppb	0.0226	1.4	2770.79
Ca 370.602	1804	ppb	28.30	1.6	5614
Cd 226.502	-0.2478	ppb	0.0756	30.5	123.084
Co 228.615	12.6791	ppb	0.3377	2.7	151.689
Cr 267.716	22.8354	ppb	0.3926	1.7	1379.16
Cu 324.754	9.6297	ppb	0.1115	1.2	935.648
Fe 271.441	22383.7	ppb	343.536	1.5	37797.3
K 766.491	482.148	ppb	7.2323	1.5	23579.7
Mg 279.078	582.818	ppb	9.6866	1.7	1609.26
Mn 257.610	4513.50	ppb	69.9719	1.6	1084394
Mo 202.032	0.9989	ppb	0.3512	35.2	11.4324
Na 330.237	-1.0163	ppb	56.3971	5549.4	20.7194
Ni 231.604	6.6452	ppb	0.2972	4.5	18.4919
Pb 220.353	32.0350	ppb	2.3336	7.3	66.4023
Sb 206.834	0.7193	ppb	3.1016	431.2	-2.2223
Se 196.026	-3.1084	ppb	2.5809	83.0	6.8666
Sn 189.925	3.5924	ppb	0.6047	16.8	-3.3482
Sr 216.596	11.8428	ppb	0.1523	1.3	176.049
Ti 334.941	94.3398	ppb	1.4413	1.5	30904.3
Tl 190.794	1.0976	ppb	2.1891	199.4	-8.7508
V 292.401	35.6368	ppb	0.7920	2.2	1054.70
Zn 206.200	37.7701	ppb	0.9272	2.5	39.6357

mb 680-369204/1-a (Samp) **2/4/2015, 4:20:44 PM** **Rack 1, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.2207u	0.1667	-0.0721u
Al 308.215	8.5660	7.8346	8.5566
As 188.980	-5.0858u	-0.0291u	-1.2741u
B 249.678	0.6196	0.2815	0.7031
Ba 389.178	-0.7892u	-0.2233u	0.2532
Be 313.042	0.0114	0.0114	0.0164
Ca 370.602	23.02	16.06	21.81
Cd 226.502	-0.0233u	0.1061	-0.0933u
Co 228.615	-0.5504u	-0.1312u	-0.2104u
Cr 267.716	0.7977	0.9038	0.8890
Cu 324.754	-0.0968u	-0.2299u	-0.0201u
Fe 271.441	15.7755	13.0881	18.1505
K 766.491	8.8902	7.9210	8.0831
Mg 279.078	1.1342	5.0732	5.7457
Mn 257.610	0.9637	0.9432	0.9335
Mo 202.032	0.4966	0.1890	0.0926
Na 330.237	147.040	50.6345	11.7405
Ni 231.604	1.4689	-0.0669u	0.2794
Pb 220.353	2.0619	0.9711	1.8079
Sb 206.834	0.9960	0.9350	-2.1572u
Se 196.026	0.8865	-2.6244u	-1.5472u
Sn 189.925	5.0382	7.8447	5.2890
Sr 216.596	-0.2470u	0.4573	0.0029
Ti 334.941	0.2701	0.2723	0.2936

Label	Replicates Concentration		
Tl 190.794	0.2957	3.9563	2.1044
V 292.401	0.0675	-0.0696u	0.1091
Zn 206.200	3.1493	3.2022	3.1905

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0420	ppb	0.1954	464.9	-13.7245
Al 308.215	8.3191	ppb	0.4196	5.0	389.038
As 188.980	-2.1297	ppb	2.6347	123.7	-5.7221
B 249.678	0.5347	ppb	0.2232	41.7	52.4602
Ba 389.178	-0.2531	ppb	0.5219	206.2	-51.6472
Be 313.042	0.0131	ppb	0.0029	22.4	-311.970
Ca 370.602	20.30	ppb	3.721	18.3	79.40
Cd 226.502	-0.0035	ppb	0.1011	2880.5	24.2433
Co 228.615	-0.2974	ppb	0.2227	74.9	-4.3830
Cr 267.716	0.8635	ppb	0.0575	6.7	80.3725
Cu 324.754	-0.1156	ppb	0.1061	91.8	179.743
Fe 271.441	15.6714	ppb	2.5328	16.2	32.3797
K 766.491	8.2981	ppb	0.5192	6.3	728.737
Mg 279.078	3.9843	ppb	2.4911	62.5	30.0976
Mn 257.610	0.9468	ppb	0.0154	1.6	291.722
Mo 202.032	0.2594	ppb	0.2110	81.3	7.4319
Na 330.237	69.8049	ppb	69.6570	99.8	31.4701
Ni 231.604	0.5605	ppb	0.8055	143.7	-3.2881
Pb 220.353	1.6136	ppb	0.5708	35.4	15.2944
Sb 206.834	-0.0754	ppb	1.8031	2391.8	-4.0434
Se 196.026	-1.0950	ppb	1.7986	164.3	6.5377
Sn 189.925	6.0573	ppb	1.5530	25.6	-1.4738
Sr 216.596	0.0710	ppb	0.3571	502.6	3.1478
Ti 334.941	0.2787	ppb	0.0130	4.7	51.7152
Tl 190.794	2.1188	ppb	1.8303	86.4	-6.4440
V 292.401	0.0357	ppb	0.0935	262.1	-12.1623
Zn 206.200	3.1806	ppb	0.0278	0.9	3.7464

lcs 680-369204/2-a (Samp) **2/4/2015, 4:25:20 PM** **Rack 1, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	48.7414	49.1460	49.4275
Al 308.215	4771.90	4789.14	4795.53
As 188.980	99.9601	97.5055	98.0463
B 249.678	185.067	186.093	186.404
Ba 389.178	98.1222	98.6183	99.0771
Be 313.042	50.2202	50.4068	50.5138
Ca 370.602	5001	5019	5016
Cd 226.502	49.5259	50.3838	49.9786
Co 228.615	49.4687	49.9633	50.3837
Cr 267.716	102.540	103.385	103.356
Cu 324.754	101.293	101.162	102.487
Fe 271.441	4858.61	4878.03	4890.05
K 766.491	5147.01	5164.06	5173.45
Mg 279.078	4859.63	4877.88	4885.06
Mn 257.610	516.753	518.557	519.880
Mo 202.032	98.4711	100.594	99.8869
Na 330.237	4737.18	4697.53	4751.89

Label	Replicates Concentration		
Ni 231.604	98.8917	99.5719	99.7472
Pb 220.353	490.678	489.477	495.404
Sb 206.834	51.0561	48.6497	53.8338
Se 196.026	86.9023	92.6901	95.5441
Sn 189.925	197.416	201.666	205.273
Sr 216.596	97.3627	96.9646	97.9993
Ti 334.941	98.1726	98.7882	98.9295
Tl 190.794	38.6238	40.9290	42.5025
V 292.401	100.952	101.266	101.503
Zn 206.200	104.869	101.272	103.753

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.1050	ppb	0.3449	0.7	4568.33
Al 308.215	4785.52	ppb	12.2209	0.3	37543.4
As 188.980	98.5040	ppb	1.2897	1.3	64.2954
B 249.678	185.855	ppb	0.6994	0.4	3556.94
Ba 389.178	98.6059	ppb	0.4776	0.5	2350.30
Be 313.042	50.3803	ppb	0.1486	0.3	99306.4
Ca 370.602	5012	ppb	9.751	0.2	15805
Cd 226.502	49.9628	ppb	0.4292	0.9	2342.76
Co 228.615	49.9386	ppb	0.4580	0.9	585.531
Cr 267.716	103.094	ppb	0.4795	0.5	5965.95
Cu 324.754	101.647	ppb	0.7304	0.7	7977.74
Fe 271.441	4875.56	ppb	15.8657	0.3	8244.26
K 766.491	5161.51	ppb	13.4029	0.3	249237
Mg 279.078	4874.19	ppb	13.1099	0.3	14174.6
Mn 257.610	518.396	ppb	1.5696	0.3	124653
Mo 202.032	99.6506	ppb	1.0808	1.1	692.930
Na 330.237	4728.87	ppb	28.1195	0.6	283.834
Ni 231.604	99.4036	ppb	0.4519	0.5	318.720
Pb 220.353	491.853	ppb	3.1332	0.6	802.222
Sb 206.834	51.1799	ppb	2.5942	5.1	68.7748
Se 196.026	91.7122	ppb	4.4031	4.8	51.4253
Sn 189.925	201.452	ppb	3.9328	2.0	147.112
Sr 216.596	97.4422	ppb	0.5219	0.5	1190.16
Ti 334.941	98.6301	ppb	0.4025	0.4	32316.8
Tl 190.794	40.6851	ppb	1.9509	4.8	36.9071
V 292.401	101.240	ppb	0.2762	0.3	3020.03
Zn 206.200	103.298	ppb	1.8413	1.8	109.617

680-109515-b-15-a (Samp) **2/4/2015, 4:29:56 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.6114u	-2.2051u	-2.6659u
Al 308.215	118130	117284	117635
As 188.980	368.855	368.750	363.724
B 249.678	24.5718u	24.8397u	23.9873u
Ba 389.178	2182.20	2169.59	2174.26
Be 313.042	14.7262	14.6509	14.6914
Ca 370.602	34342	34165	34321
Cd 226.502	2.0471	1.5835	1.8446
Co 228.615	177.549	175.089	177.056
Cr 267.716	348.325	345.726	346.607

Label	Replicates Concentration		
Cu 324.754	285.257	283.514	281.828
Fe 271.441	367246	365427	366648
K 766.491	11770.1	11716.6	11715.8
Mg 279.078	7993.18	7935.20	7960.75
Mn 257.610	23798.5	23715.9	23665.7
Mo 202.032	21.5683	21.9804	21.9482
Na 330.237	765.976u	715.712u	875.031u
Ni 231.604	116.951	119.422	117.643
Pb 220.353	1008.95	1002.41	1002.24
Sb 206.834	7.7777	15.2674	11.5534
Se 196.026	-4.0915	-1.9040	-19.5746u
Sn 189.925	49.3903	53.8517	50.4718
Sr 216.596	274.913	273.275	273.458
Ti 334.941	1046.36	1039.02	1042.50
Tl 190.794	6.3418u	4.1874u	2.8382u
V 292.401	457.443	454.546	455.569
Zn 206.200	2202.39	2193.02	2195.87

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4941	ppb	0.2517	10.1	-185.434
Al 308.215	117683	ppb	425.168	0.4	915255
As 188.980	367.109	ppb	2.9324	0.8	248.897
B 249.678	24.4663	ppb	0.4359	1.8	-457.712
Ba 389.178	2175.35	ppb	6.3777	0.3	52785.8
Be 313.042	14.6895	ppb	0.0377	0.3	28743.2
Ca 370.602	34276	ppb	97.06	0.3	104932
Cd 226.502	1.8251	ppb	0.2324	12.7	1911.21
Co 228.615	176.565	ppb	1.3016	0.7	2121.55
Cr 267.716	346.886	ppb	1.3219	0.4	20296.1
Cu 324.754	283.533	ppb	1.7150	0.6	22061.5
Fe 271.441	366440	ppb	927.038	0.3	618677
K 766.491	11734.2	ppb	31.1328	0.3	566198
Mg 279.078	7963.04	ppb	29.0594	0.4	22596.2
Mn 257.610	23726.7	ppb	67.0589	0.3	5701062
Mo 202.032	21.8323	ppb	0.2292	1.0	138.378
Na 330.237	785.573	ppb	81.4476	10.4	-80.7891
Ni 231.604	118.005	ppb	1.2743	1.1	411.390
Pb 220.353	1004.53	ppb	3.8237	0.4	1652.53
Sb 206.834	11.5328	ppb	3.7449	32.5	23.3686
Se 196.026	-8.5234	ppb	9.6329	113.0	12.1476
Sn 189.925	51.2380	ppb	2.3273	4.5	32.8823
Sr 216.596	273.882	ppb	0.8976	0.3	3818.60
Ti 334.941	1042.63	ppb	3.6733	0.4	341968
Tl 190.794	4.4558	ppb	1.7671	39.7	-49.4803
V 292.401	455.853	ppb	1.4691	0.3	13606.9
Zn 206.200	2197.09	ppb	4.8022	0.2	2318.50

680-109515-b-15-aSD (Samp) **2/4/2015, 4:34:31 PM** **Rack 1, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	-0.4720u	-0.6411u	-0.4879u
Al 308.215	23802.7	23785.7	23754.2
As 188.980	72.5692	69.1233	74.8419

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Label	Replicates Concentration		
B 249.678	5.3669u	5.7393u	5.4897u
Ba 389.178	451.302	450.056	449.767
Be 313.042	3.0353	3.0260	3.0260
Ca 370.602	7065	7094	7075
Cd 226.502	-0.0045	0.0391	-0.0846
Co 228.615	37.3971	36.9317	37.3459
Cr 267.716	72.7397	72.6668	72.5559
Cu 324.754	56.4784	56.1001	55.8968
Fe 271.441	77729.6	77738.7	77639.3
K 766.491	2217.45	2200.80	2202.17
Mg 279.078	1712.57	1716.28	1720.11
Mn 257.610	5339.34	5326.08	5332.86
Mo 202.032	4.2708	4.6984	4.3325
Na 330.237	203.270u	164.924u	145.238u
Ni 231.604	25.6423	24.8393	26.2345
Pb 220.353	212.116	213.048	207.996
Sb 206.834	3.6421	0.3653	3.2484
Se 196.026	0.6997	-2.8681	2.9245
Sn 189.925	13.0466	13.8831	8.3131
Sr 216.596	57.3956	57.6067	57.3849
Ti 334.941	217.432	216.778	216.237
Tl 190.794	2.4604u	1.6679u	0.7773u
V 292.401	94.9153	94.2386	94.7959
Zn 206.200	462.892	463.757	462.683

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5336	ppb	0.0934	17.5	-45.7637
Al 308.215	23780.9	ppb	24.5812	0.1	185211
As 188.980	72.1781	ppb	2.8793	4.0	45.4918
B 249.678	5.5320	ppb	0.1897	3.4	-57.2869
Ba 389.178	450.375	ppb	0.8153	0.2	10894.1
Be 313.042	3.0291	ppb	0.0054	0.2	5659.03
Ca 370.602	7078	ppb	14.65	0.2	21669
Cd 226.502	-0.0167	ppb	0.0628	376.3	406.064
Co 228.615	37.2249	ppb	0.2552	0.7	446.557
Cr 267.716	72.6541	ppb	0.0925	0.1	4277.59
Cu 324.754	56.1584	ppb	0.2951	0.5	4523.13
Fe 271.441	77702.5	ppb	54.9703	0.1	131193
K 766.491	2206.81	ppb	9.2444	0.4	106750
Mg 279.078	1716.32	ppb	3.7703	0.2	4880.63
Mn 257.610	5332.76	ppb	6.6290	0.1	1281392
Mo 202.032	4.4339	ppb	0.2311	5.2	32.4399
Na 330.237	171.144	ppb	29.5120	17.2	5.0151
Ni 231.604	25.5720	ppb	0.7002	2.7	84.9953
Pb 220.353	211.053	ppb	2.6885	1.3	357.370
Sb 206.834	2.4186	ppb	1.7891	74.0	1.8031
Se 196.026	0.2520	ppb	2.9222	1159.4	9.2080
Sn 189.925	11.7476	ppb	3.0036	25.6	2.8532
Sr 216.596	57.4624	ppb	0.1251	0.2	804.274
Ti 334.941	216.816	ppb	0.5987	0.3	71081.4
Tl 190.794	1.6352	ppb	0.8420	51.5	-16.5304
V 292.401	94.6499	ppb	0.3611	0.4	2814.13
Zn 206.200	463.111	ppb	0.5693	0.1	488.980

Cont Calib Verif (CCV) **2/4/2015, 4:39:06 PM** **Rack 1, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	472.806	471.199	471.223
Al 308.215	4663.42	4693.71	4654.98
As 188.980	481.299	485.328	486.074
B 249.678	468.883	471.525	467.242
Ba 389.178	4794.02	4830.18	4793.16
Be 313.042	484.548	486.063	483.901
Ca 370.602	4873	4906	4865
Cd 226.502	480.543	484.754	479.490
Co 228.615	486.225	488.825	485.156
Cr 267.716	4931.80	4970.93	4930.01
Cu 324.754	4962.03	4929.17	4916.18
Fe 271.441	4732.19	4755.51	4711.20
K 766.491	10141.1	10203.1	10111.9
Mg 279.078	4812.92	4841.20	4792.78
Mn 257.610	4896.46	4944.45	4886.41
Mo 202.032	480.515	482.337	479.091
Na 330.237	7210.22	7100.62	7211.08
Ni 231.604	2428.33	2448.95	2434.08
Pb 220.353	480.040	488.254	481.168
Sb 206.834	940.947	952.221	940.926
Se 196.026	4795.94	4815.65	4795.71
Sn 189.925	4810.41	4872.23	4743.57
Sr 216.596	2386.50	2402.61	2386.44
Ti 334.941	467.072	471.340	467.526
Tl 190.794	4901.11	4944.68	4907.09
V 292.401	4827.03	4858.66	4814.60
Zn 206.200	2409.95	2421.23	2403.94

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	471.742	ppb	0.9211	0.2	43935.8	94.34846
Al 308.215	4670.71	ppb	20.3671	0.4	37385.3	93.41414
As 188.980	484.234	ppb	2.5687	0.5	332.802	96.84671
B 249.678	469.217	ppb	2.1609	0.5	8949.22	93.84337
Ba 389.178	4805.79	ppb	21.1306	0.4	115984	96.11576
Be 313.042	484.837	ppb	1.1101	0.2	958888	96.96745
Ca 370.602	4881	ppb	21.79	0.4	15743	97.62569
Cd 226.502	481.595	ppb	2.7854	0.6	22163.9	96.31908
Co 228.615	486.735	ppb	1.8869	0.4	5722.08	97.34708
Cr 267.716	4944.25	ppb	23.1269	0.5	284463	98.88495
Cu 324.754	4935.79	ppb	23.6303	0.5	378127	98.71581
Fe 271.441	4732.97	ppb	22.1679	0.5	8100.26	94.65939
K 766.491	10152.0	ppb	46.5957	0.5	489899	101.52012
Mg 279.078	4815.63	ppb	24.3207	0.5	13907.4	96.31267
Mn 257.610	4909.11	ppb	31.0183	0.6	1179406	98.18217
Mo 202.032	480.648	ppb	1.6272	0.3	3316.75	96.12952
Na 330.237	7173.97	ppb	63.5297	0.9	363.017	95.65295
Ni 231.604	2437.12	ppb	10.6399	0.4	7926.03	97.48484
Pb 220.353	483.154	ppb	4.4523	0.9	792.276	96.63084
Sb 206.834	944.698	ppb	6.5148	0.7	1399.37	94.46982
Se 196.026	4802.43	ppb	11.4484	0.2	2322.22	96.04868
Sn 189.925	4808.73	ppb	64.3464	1.3	3650.64	96.17467
Sr 216.596	2391.85	ppb	9.3191	0.4	28988.4	95.67396

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	468.646	ppb	2.3445	0.5	153665	93.72918
Tl 190.794	4917.63	ppb	23.6184	0.5	5599.39	98.35257
V 292.401	4833.43	ppb	22.7160	0.5	145816	96.66859
Zn 206.200	2411.71	ppb	8.7740	0.4	2549.66	96.46825

Cont Calib Blank (CCB) **2/4/2015, 4:43:38 PM** **Rack 1, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0584u	-0.0997u	0.1882
Al 308.215	4.4341	4.3678	4.7852
As 188.980	-1.6300u	-2.3186u	-4.5838u
B 249.678	1.8626	1.6904	1.3537
Ba 389.178	0.2885	-0.5213u	-0.0156u
Be 313.042	0.0296	0.0257	0.0207
Ca 370.602	-1.103u	3.756	3.750
Cd 226.502	0.0464	-0.1915u	0.0590
Co 228.615	-0.2456u	-0.1306u	0.1583
Cr 267.716	-0.0331u	-0.0299u	-0.0752u
Cu 324.754	0.1055	0.1286	0.1275
Fe 271.441	2.2066	2.6960	2.7862
K 766.491	-0.2306u	-0.1079u	-0.0535u
Mg 279.078	2.1071	-1.4555u	-0.1943u
Mn 257.610	0.2810	0.3152	0.3183
Mo 202.032	0.3555	0.3101	-0.0246u
Na 330.237	31.5610	52.2330	-44.2199u
Ni 231.604	-0.5147u	0.2860	0.6445
Pb 220.353	1.4809	2.3787	1.6799
Sb 206.834	4.4699	3.4992	0.7956
Se 196.026	-2.2392u	6.1366	-4.1495u
Sn 189.925	-0.0777u	-0.1067u	2.9094
Sr 216.596	0.0425	0.2175	-0.1601u
Ti 334.941	0.1195	0.0978	0.0968
Tl 190.794	0.8953	1.8530	-0.0162u
V 292.401	0.4256	0.2384	0.2726
Zn 206.200	0.5029	0.9164	1.1775

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0101	ppb	0.1557	1547.7	-8.8659	0.01006
Al 308.215	4.5290	ppb	0.2243	5.0	359.626	4.52905
As 188.980	-2.8441	ppb	1.5454	54.3	-6.2195	-2.84414
B 249.678	1.6356	ppb	0.2588	15.8	73.4093	1.63557
Ba 389.178	-0.0828	ppb	0.4091	494.0	-47.5590	-0.08281
Be 313.042	0.0253	ppb	0.0044	17.5	-287.680	0.02534
Ca 370.602	2.134	ppb	2.803	131.4	22.30	2.13413
Cd 226.502	-0.0287	ppb	0.1412	491.8	23.0021	-0.02870
Co 228.615	-0.0727	ppb	0.2081	286.4	-1.7464	-0.07265
Cr 267.716	-0.0461	ppb	0.0253	54.9	28.0246	-0.04606
Cu 324.754	0.1205	ppb	0.0131	10.8	197.811	0.12052
Fe 271.441	2.5629	ppb	0.3119	12.2	10.2406	2.56292
K 766.491	-0.1306	ppb	0.0907	69.5	322.269	-0.13065
Mg 279.078	0.1524	ppb	1.8064	1185.1	18.9739	0.15242
Mn 257.610	0.3049	ppb	0.0207	6.8	137.417	0.30485
Mo 202.032	0.2137	ppb	0.2076	97.1	7.1171	0.21368

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	13.1914	ppb	50.7826	385.0	28.4273	13.19138
Ni 231.604	0.1386	ppb	0.5935	428.2	-4.6624	0.13860
Pb 220.353	1.8465	ppb	0.4715	25.5	15.6663	1.84650
Sb 206.834	2.9216	ppb	1.9041	65.2	0.2149	2.92158
Se 196.026	-0.0840	ppb	5.4712	6510.9	7.0245	-0.08403
Sn 189.925	0.9084	ppb	1.7330	190.8	-5.3892	0.90836
Sr 216.596	0.0333	ppb	0.1890	567.4	2.6714	0.03330
Ti 334.941	0.1047	ppb	0.0128	12.2	-5.3503	0.10470
Tl 190.794	0.9107	ppb	0.9347	102.6	-7.8166	0.91069
V 292.401	0.3122	ppb	0.0997	31.9	-3.7488	0.31219
Zn 206.200	0.8656	ppb	0.3402	39.3	1.2922	0.86559

680-109515-b-15-aPDS (Samp) **2/4/2015, 4:48:12 PM** **Rack 1, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	81.0438	80.9553	81.7269
Al 308.215	117648	117799	117814
As 188.980	458.934	464.708	462.724
B 249.678	201.503	203.941	204.678
Ba 389.178	2221.92	2230.86	2221.79
Be 313.042	109.083	109.551	109.070
Ca 370.602	43204	43409	43364
Cd 226.502	92.6084	93.2613	93.2070
Co 228.615	265.419	268.570	265.700
Cr 267.716	438.293	438.792	438.163
Cu 324.754	378.166	380.007	375.271
Fe 271.441	366787	370085	368475
K 766.491	21611.6	21748.9	21603.9
Mg 279.078	16896.8	16936.5	16924.1
Mn 257.610	23639.8	23846.8	23682.7
Mo 202.032	115.895	114.742	115.049
Na 330.237	9302.17	9299.64	9137.05
Ni 231.604	207.795	209.772	208.005
Pb 220.353	1070.73	1075.85	1084.88
Sb 206.834	108.365	103.655	107.507
Se 196.026	91.2212	100.073	90.3215
Sn 189.925	141.452	149.111	141.869
Sr 216.596	358.758	360.781	359.897
Ti 334.941	1121.24	1123.96	1120.25
Tl 190.794	21.9784u	17.4811u	24.7244u
V 292.401	544.557	548.855	546.097
Zn 206.200	2243.70	2255.01	2256.24

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	81.2420	ppb	0.4222	0.5	7620.27
Al 308.215	117754	ppb	91.6405	0.1	915821
As 188.980	462.122	ppb	2.9335	0.6	315.019
B 249.678	203.374	ppb	1.6617	0.8	2932.47
Ba 389.178	2224.86	ppb	5.1960	0.2	54003.5
Be 313.042	109.235	ppb	0.2743	0.3	215748
Ca 370.602	43326	ppb	108.1	0.2	133440
Cd 226.502	93.0256	ppb	0.3623	0.4	6111.08
Co 228.615	266.563	ppb	1.7438	0.7	3178.19

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	438.416	ppb	0.3319	0.1	25561.8
Cu 324.754	377.815	ppb	2.3874	0.6	29285.3
Fe 271.441	368449	ppb	1649.04	0.4	622081
K 766.491	21654.8	ppb	81.5766	0.4	1044607
Mg 279.078	16919.2	ppb	20.2847	0.1	48631.6
Mn 257.610	23723.1	ppb	109.254	0.5	5700282
Mo 202.032	115.229	ppb	0.5971	0.5	782.640
Na 330.237	9246.29	ppb	94.6069	1.0	382.259
Ni 231.604	208.524	ppb	1.0860	0.5	705.974
Pb 220.353	1077.15	ppb	7.1607	0.7	1769.08
Sb 206.834	106.509	ppb	2.5087	2.4	158.452
Se 196.026	93.8719	ppb	5.3891	5.7	61.5090
Sn 189.925	144.144	ppb	4.3064	3.0	103.534
Sr 216.596	359.812	ppb	1.0145	0.3	4865.15
Ti 334.941	1121.81	ppb	1.9229	0.2	367955
Tl 190.794	21.3946	ppb	3.6568	17.1	-30.4946
V 292.401	546.503	ppb	2.1776	0.4	16322.6
Zn 206.200	2251.65	ppb	6.9103	0.3	2376.13

680-109515-b-15-b ms (Samp) **2/4/2015, 4:52:45 PM** **Rack 1, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	44.1146	44.2800	44.4094
Al 308.215	129786	129624	129153
As 188.980	445.284	438.109	431.476
B 249.678	149.963	148.808	149.448
Ba 389.178	2336.28	2336.61	2330.84
Be 313.042	62.9727	63.0024	62.9003
Ca 370.602	36162	36152	36100
Cd 226.502	48.0966	47.8854	47.0722
Co 228.615	215.451	217.040	215.519
Cr 267.716	447.750	446.937	446.654
Cu 324.754	331.814	328.677	331.460
Fe 271.441	337116	335583	335806
K 766.491	15670.1	15685.9	15668.4
Mg 279.078	12168.2	12133.6	12116.8
Mn 257.610	22668.4	22688.6	22649.6
Mo 202.032	108.425	108.294	108.316
Na 330.237	5425.41	5227.18	5404.19
Ni 231.604	202.807	199.383	199.273
Pb 220.353	1305.14	1293.76	1298.57
Sb 206.834	28.1260	30.9406	28.2923
Se 196.026	87.1255	94.1080	88.5443
Sn 189.925	233.778	233.333	229.376
Sr 216.596	356.759	356.294	355.273
Ti 334.941	1005.09	1003.78	1002.01
Tl 190.794	40.2305	38.7818	42.2024
V 292.401	536.990	538.185	536.300
Zn 206.200	1890.32	1882.47	1884.62

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.2680	ppb	0.1478	0.3	4172.48
Al 308.215	129521	ppb	329.200	0.3	1007289

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	438.290	ppb	6.9058	1.6	298.649
B 249.678	149.406	ppb	0.5783	0.4	1993.33
Ba 389.178	2334.58	ppb	3.2389	0.1	56613.8
Be 313.042	62.9585	ppb	0.0525	0.1	124213
Ca 370.602	36138	ppb	33.37	0.1	111095
Cd 226.502	47.6847	ppb	0.5409	1.1	3867.50
Co 228.615	216.003	ppb	0.8982	0.4	2579.54
Cr 267.716	447.114	ppb	0.5693	0.1	26040.4
Cu 324.754	330.650	ppb	1.7183	0.5	25658.4
Fe 271.441	336168	ppb	828.494	0.2	567576
K 766.491	15674.8	ppb	9.6263	0.1	756231
Mg 279.078	12139.5	ppb	26.2195	0.2	34756.1
Mn 257.610	22668.9	ppb	19.4896	0.1	5446883
Mo 202.032	108.345	ppb	0.0702	0.1	736.709
Na 330.237	5352.26	ppb	108.843	2.0	185.908
Ni 231.604	200.488	ppb	2.0094	1.0	677.016
Pb 220.353	1299.16	ppb	5.7141	0.4	2122.82
Sb 206.834	29.1196	ppb	1.5792	5.4	47.7340
Se 196.026	89.9259	ppb	3.6906	4.1	59.0379
Sn 189.925	232.162	ppb	2.4232	1.0	170.464
Sr 216.596	356.109	ppb	0.7601	0.2	4774.77
Ti 334.941	1003.63	ppb	1.5452	0.2	329182
Tl 190.794	40.4049	ppb	1.7169	4.2	-4.2353
V 292.401	537.158	ppb	0.9538	0.2	16053.7
Zn 206.200	1885.81	ppb	4.0544	0.2	1989.03

680-109515-b-15-c ms (Samp) **2/4/2015, 4:57:18 PM** **Rack 1, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	44.6586	45.8039	45.2108
Al 308.215	134099	134345	134140
As 188.980	482.436	486.946	480.846
B 249.678	154.929	156.406	156.120
Ba 389.178	2270.99	2273.31	2270.74
Be 313.042	63.0626	63.0986	63.0588
Ca 370.602	39047	39196	39202
Cd 226.502	49.4164	49.2629	49.4258
Co 228.615	208.432	209.197	208.962
Cr 267.716	451.172	451.605	451.354
Cu 324.754	411.543	404.189	403.316
Fe 271.441	341586	343101	343614
K 766.491	17407.3	17347.6	17305.5
Mg 279.078	12961.7	12980.7	12965.2
Mn 257.610	21315.8	21417.7	21198.5
Mo 202.032	107.482	108.661	107.932
Na 330.237	5407.70	5524.11	5484.83
Ni 231.604	208.397	212.986	211.245
Pb 220.353	1465.82	1476.15	1477.89
Sb 206.834	30.3158	30.5479	31.4124
Se 196.026	86.2131	82.8481	91.5124
Sn 189.925	248.067	244.001	246.636
Sr 216.596	387.271	387.329	386.841
Ti 334.941	1196.09	1196.13	1194.15

Label	Replicates Concentration		
Tl 190.794	42.6556	42.0282	39.4921
V 292.401	543.184	543.894	544.236
Zn 206.200	2358.54	2383.80	2386.26

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	45.2245	ppb	0.5728	1.3	4251.60
Al 308.215	134195	ppb	131.981	0.1	1043624
As 188.980	483.409	ppb	3.1643	0.7	330.024
B 249.678	155.818	ppb	0.7832	0.5	2097.54
Ba 389.178	2271.68	ppb	1.4162	0.1	55103.0
Be 313.042	63.0733	ppb	0.0220	0.0	124443
Ca 370.602	39148	ppb	87.71	0.2	120553
Cd 226.502	49.3684	ppb	0.0914	0.2	3977.30
Co 228.615	208.864	ppb	0.3917	0.2	2500.31
Cr 267.716	451.377	ppb	0.2172	0.0	26282.4
Cu 324.754	406.349	ppb	4.5187	1.1	31458.5
Fe 271.441	342767	ppb	1054.09	0.3	578716
K 766.491	17353.5	ppb	51.1272	0.3	837182
Mg 279.078	12969.2	ppb	10.0921	0.1	37196.0
Mn 257.610	21310.7	ppb	109.682	0.5	5120648
Mo 202.032	108.025	ppb	0.5951	0.6	734.176
Na 330.237	5472.21	ppb	59.2184	1.1	178.828
Ni 231.604	210.876	ppb	2.3167	1.1	711.443
Pb 220.353	1473.29	ppb	6.5213	0.4	2402.26
Sb 206.834	30.7587	ppb	0.5779	1.9	50.2557
Se 196.026	86.8579	ppb	4.3680	5.0	57.2967
Sn 189.925	246.234	ppb	2.0625	0.8	181.165
Sr 216.596	387.147	ppb	0.2669	0.1	5161.23
Ti 334.941	1195.46	ppb	1.1352	0.1	392096
Tl 190.794	41.3919	ppb	1.6750	4.0	-4.9192
V 292.401	543.771	ppb	0.5370	0.1	16252.3
Zn 206.200	2376.20	ppb	15.3451	0.6	2509.17

680-109515-a-22-a (Samp) **2/4/2015, 5:01:52 PM** **Rack 1, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	-3.7507u	-3.9169u	-3.8458u
Al 308.215	108552	108691	108764
As 188.980	103.388	109.920	107.831
B 249.678	8.3961u	8.0367u	9.0043u
Ba 389.178	742.795	745.152	745.528
Be 313.042	13.2429	13.2642	13.2576
Ca 370.602	14787	14836	14768
Cd 226.502	-3.1019	-2.8440	-2.7042
Co 228.615	105.087	104.380	104.353
Cr 267.716	307.924	307.901	308.434
Cu 324.754	81.0968	79.8575	81.2880
Fe 271.441	266177	266900	266667
K 766.491	4433.23	4453.09	4447.73
Mg 279.078	4944.71	4952.87	4958.87
Mn 257.610	17701.4	17745.2	17742.5
Mo 202.032	10.1593	10.0592	8.9662
Na 330.237	-1.8875u	235.494u	-2.0830u

Label	Replicates Concentration		
Ni 231.604	72.7945	72.4361	72.0431
Pb 220.353	165.269	165.858	162.508
Sb 206.834	4.1658	4.9483	5.0409
Se 196.026	-2.9271	-6.1441	-1.1943
Sn 189.925	21.3258	15.8303	17.9026
Sr 216.596	72.5659	73.2195	72.7431
Ti 334.941	749.053	753.734	753.110
Tl 190.794	6.0669u	3.9345u	3.7543u
V 292.401	369.493	370.481	369.570
Zn 206.200	244.445	247.437	248.135

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.8378	ppb	0.0834	2.2	-318.585
Al 308.215	108669	ppb	107.893	0.1	845161
As 188.980	107.046	ppb	3.3360	3.1	68.4792
B 249.678	8.4790	ppb	0.4891	5.8	-498.141
Ba 389.178	744.492	ppb	1.4814	0.2	18158.0
Be 313.042	13.2549	ppb	0.0109	0.1	25901.5
Ca 370.602	14797	ppb	35.09	0.2	44427
Cd 226.502	-2.8834	ppb	0.2018	7.0	1203.09
Co 228.615	104.606	ppb	0.4160	0.4	1263.25
Cr 267.716	308.086	ppb	0.3010	0.1	17982.2
Cu 324.754	80.7475	ppb	0.7766	1.0	6487.49
Fe 271.441	266581	ppb	369.418	0.1	450080
K 766.491	4444.68	ppb	10.2762	0.2	214669
Mg 279.078	4952.15	ppb	7.1040	0.1	13979.6
Mn 257.610	17729.7	ppb	24.5490	0.1	4260079
Mo 202.032	9.7282	ppb	0.6619	6.8	59.7004
Na 330.237	77.1744	ppb	137.109	177.7	-45.8538
Ni 231.604	72.4246	ppb	0.3758	0.5	254.262
Pb 220.353	164.545	ppb	1.7885	1.1	296.839
Sb 206.834	4.7184	ppb	0.4807	10.2	11.5106
Se 196.026	-3.4218	ppb	2.5117	73.4	12.2124
Sn 189.925	18.3529	ppb	2.7753	15.1	7.8756
Sr 216.596	72.8428	ppb	0.3380	0.5	1240.30
Ti 334.941	751.966	ppb	2.5417	0.3	246623
Tl 190.794	4.5852	ppb	1.2863	28.1	-36.5972
V 292.401	369.848	ppb	0.5495	0.1	11049.7
Zn 206.200	246.672	ppb	1.9606	0.8	252.335

680-109515-b-23-a (Samp) **2/4/2015, 5:06:26 PM** **Rack 1, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-4.1391u	-4.7280u	-4.4422u
Al 308.215	120163	119995	119970
As 188.980	66.2950	66.1139	67.7121
B 249.678	7.8884u	7.5246u	7.3384u
Ba 389.178	684.557	682.825	683.716
Be 313.042	13.3926	13.3862	13.3728
Ca 370.602	15306	15305	15302
Cd 226.502	-1.9945	-2.2093	-2.3198
Co 228.615	71.2732	71.2219	69.4628
Cr 267.716	239.447	239.085	238.513

Label	Replicates Concentration		
Cu 324.754	84.6281	85.2750	84.2923
Fe 271.441	201005	200857	200777
K 766.491	6518.16	6520.36	6524.45
Mg 279.078	5368.02	5353.01	5346.35
Mn 257.610	15541.8	15509.5	15541.9
Mo 202.032	7.6788	7.6787	6.7890
Na 330.237	-190.119u	18.1387u	-265.101u
Ni 231.604	73.1865	72.2559	72.2953
Pb 220.353	114.570	115.720	116.261
Sb 206.834	-2.4337	4.2836	-1.2172
Se 196.026	-1.1105	-3.8935	-3.5330
Sn 189.925	17.5591	15.6915	19.8176
Sr 216.596	68.3592	68.8961	68.0350
Ti 334.941	849.323	849.356	848.435
Tl 190.794	3.8842u	6.1395u	2.8299u
V 292.401	302.284	301.077	301.623
Zn 206.200	218.792	215.333	217.764

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.4364	ppb	0.2945	6.6	-374.456
Al 308.215	120043	ppb	104.754	0.1	933555
As 188.980	66.7070	ppb	0.8751	1.3	40.8378
B 249.678	7.5838	ppb	0.2797	3.7	-342.299
Ba 389.178	683.700	ppb	0.8661	0.1	16636.8
Be 313.042	13.3839	ppb	0.0101	0.1	26157.3
Ca 370.602	15304	ppb	2.140	0.0	46761
Cd 226.502	-2.1745	ppb	0.1654	7.6	912.010
Co 228.615	70.6526	ppb	1.0307	1.5	861.822
Cr 267.716	239.015	ppb	0.4708	0.2	13964.5
Cu 324.754	84.7318	ppb	0.4995	0.6	6763.88
Fe 271.441	200880	ppb	115.623	0.1	339154
K 766.491	6520.99	ppb	3.1933	0.0	314797
Mg 279.078	5355.79	ppb	11.1012	0.2	15197.2
Mn 257.610	15531.1	ppb	18.6706	0.1	3731706
Mo 202.032	7.3822	ppb	0.5137	7.0	46.7075
Na 330.237	-145.694	ppb	146.753	100.7	-39.6966
Ni 231.604	72.5792	ppb	0.5263	0.7	248.971
Pb 220.353	115.517	ppb	0.8639	0.7	212.993
Sb 206.834	0.2109	ppb	3.5792	1697.1	3.0284
Se 196.026	-2.8457	ppb	1.5135	53.2	11.3362
Sn 189.925	17.6894	ppb	2.0661	11.7	7.3712
Sr 216.596	68.4301	ppb	0.4349	0.6	1100.71
Ti 334.941	849.038	ppb	0.5222	0.1	278452
Tl 190.794	4.2845	ppb	1.6907	39.5	-27.6507
V 292.401	301.661	ppb	0.6045	0.2	9019.39
Zn 206.200	217.296	ppb	1.7760	0.8	223.563

680-109515-b-24-a (Samp) **2/4/2015, 5:11:00 PM** **Rack 1, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	-0.7807u	-0.7577u	-0.4933u
Al 308.215	115484	115387	115819
As 188.980	168.352	167.017	164.932

Label	Replicates Concentration		
B 249.678	29.4695u	28.8489u	28.9244u
Ba 389.178	1253.53	1252.49	1253.94
Be 313.042	15.1503	15.1472	15.1656
Ca 370.602	228502	229299	229528
Cd 226.502	0.6110	0.5393	0.2945
Co 228.615	78.1916	79.6270	78.8045
Cr 267.716	348.781	349.372	349.814
Cu 324.754	275.341	273.419	271.897
Fe 271.441	333889	333358	338436
K 766.491	9054.61	9039.30	9037.33
Mg 279.078	64539.5	64618.6	64809.8
Mn 257.610	9302.15	9281.93	9328.38
Mo 202.032	11.9918	11.4029	11.9495
Na 330.237	858.007u	828.515u	900.747u
Ni 231.604	102.793	102.686	103.579
Pb 220.353	1188.95	1202.16	1193.44
Sb 206.834	8.2125	5.0298	8.7163
Se 196.026	-7.0895	-5.4229	-0.1870
Sn 189.925	46.2419	46.7829	43.6452
Sr 216.596	427.186	425.406	428.543
Ti 334.941	1037.54	1035.51	1035.62
Tl 190.794	-1.3574u	1.5735u	0.0618u
V 292.401	445.263	445.230	445.480
Zn 206.200	1370.46	1371.49	1371.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6772	ppb	0.1597	23.6	-99.6814
Al 308.215	115563	ppb	226.775	0.2	898772
As 188.980	166.767	ppb	1.7233	1.0	109.595
B 249.678	29.0809	ppb	0.3386	1.2	-288.613
Ba 389.178	1253.32	ppb	0.7468	0.1	30631.5
Be 313.042	15.1544	ppb	0.0099	0.1	29739.8
Ca 370.602	229110	ppb	538.9	0.2	718371
Cd 226.502	0.4816	ppb	0.1659	34.5	1697.60
Co 228.615	78.8744	ppb	0.7202	0.9	971.973
Cr 267.716	349.322	ppb	0.5179	0.1	20346.0
Cu 324.754	273.553	ppb	1.7257	0.6	21282.9
Fe 271.441	335228	ppb	2791.41	0.8	565970
K 766.491	9043.75	ppb	9.4570	0.1	436454
Mg 279.078	64656.0	ppb	138.993	0.2	187724
Mn 257.610	9304.16	ppb	23.2872	0.3	2236806
Mo 202.032	11.7814	ppb	0.3285	2.8	70.5083
Na 330.237	862.423	ppb	36.3180	4.2	-48.3493
Ni 231.604	103.019	ppb	0.4875	0.5	360.086
Pb 220.353	1194.85	ppb	6.7151	0.6	1952.89
Sb 206.834	7.3195	ppb	1.9989	27.3	16.9903
Se 196.026	-4.2331	ppb	3.6018	85.1	10.4470
Sn 189.925	45.5567	ppb	1.6773	3.7	28.5623
Sr 216.596	427.045	ppb	1.5734	0.4	5712.80
Ti 334.941	1036.22	ppb	1.1419	0.1	339976
Tl 190.794	0.0926	ppb	1.4657	1582.1	-57.3221
V 292.401	445.324	ppb	0.1360	0.0	13304.3
Zn 206.200	1371.24	ppb	0.6853	0.0	1443.21

680-109515-a-25-a (Samp) **2/4/2015, 5:22:23 PM** **Rack 1, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	-2.9376u	-2.5224u	-2.3130u
Al 308.215	115720	115602	115795
As 188.980	226.085	222.179	220.847
B 249.678	13.3253u	11.8418u	12.4055u
Ba 389.178	511.685	510.758	508.557
Be 313.042	14.5746	14.5489	14.5393
Ca 370.602	19029	19042	19075
Cd 226.502	-2.9429	-3.4633	-3.9676
Co 228.615	135.274	136.397	134.408
Cr 267.716	568.785	568.418	568.897
Cu 324.754	83.2557	84.4211	83.0035
Fe 271.441	508042	510129	510944
K 766.491	3307.80	3301.72	3305.44
Mg 279.078	5609.53	5612.76	5617.10
Mn 257.610	10601.3	10611.1	10604.3
Mo 202.032	13.7126	12.5399	13.9367
Na 330.237	121.814u	19.9531u	10.0117u
Ni 231.604	90.7613	88.2618	88.6693
Pb 220.353	231.564	232.421	229.410
Sb 206.834	5.3739	7.2019	5.5218
Se 196.026	-20.8684u	-7.3522	-11.6032
Sn 189.925	19.4543	16.8478	18.4497
Sr 216.596	86.1532	85.6574	86.6092
Ti 334.941	594.486	593.039	592.409
Tl 190.794	-1.4805u	1.0369u	0.3011u
V 292.401	707.777	707.194	707.471
Zn 206.200	281.988	280.504	278.363

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.5910	ppb	0.3179	12.3	-288.650
Al 308.215	115706	ppb	97.2743	0.1	899942
As 188.980	223.037	ppb	2.7224	1.2	147.579
B 249.678	12.5242	ppb	0.7488	6.0	-1064.90
Ba 389.178	510.333	ppb	1.6065	0.3	12711.7
Be 313.042	14.5543	ppb	0.0183	0.1	28485.7
Ca 370.602	19049	ppb	23.54	0.1	54748
Cd 226.502	-3.4579	ppb	0.5124	14.8	2381.25
Co 228.615	135.360	ppb	0.9973	0.7	1638.60
Cr 267.716	568.700	ppb	0.2507	0.0	33059.7
Cu 324.754	83.5601	ppb	0.7562	0.9	6808.35
Fe 271.441	509705	ppb	1497.04	0.3	860543
K 766.491	3304.99	ppb	3.0611	0.1	159708
Mg 279.078	5613.13	ppb	3.7990	0.1	16055.3
Mn 257.610	10605.6	ppb	5.0480	0.0	2549516
Mo 202.032	13.3964	ppb	0.7502	5.6	73.0198
Na 330.237	50.5928	ppb	61.8792	122.3	-114.051
Ni 231.604	89.2308	ppb	1.3410	1.5	330.800
Pb 220.353	231.132	ppb	1.5514	0.7	418.992
Sb 206.834	6.0325	ppb	1.0154	16.8	21.1946
Se 196.026	-13.2746	ppb	6.9114	52.1	8.0691
Sn 189.925	18.2506	ppb	1.3146	7.2	7.7973
Sr 216.596	86.1399	ppb	0.4760	0.6	1722.97

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	593.311	ppb	1.0650	0.2	194626
Tl 190.794	-0.0475	ppb	1.2944	2725.3	-84.6939
V 292.401	707.481	ppb	0.2920	0.0	21144.0
Zn 206.200	280.285	ppb	1.8224	0.7	279.057

680-109515-b-26-a (Samp) **2/4/2015, 5:26:58 PM** **Rack 1, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-2.1247u	-1.9485u	-1.9717u
Al 308.215	123272	123242	123065
As 188.980	133.043	137.459	142.797
B 249.678	9.7286u	10.4527u	10.1901u
Ba 389.178	504.632	503.802	503.735
Be 313.042	13.3807	13.3560	13.3482
Ca 370.602	22818	22811	22700
Cd 226.502	-2.8630	-2.7940	-2.5314
Co 228.615	63.2768	64.1706	64.2297
Cr 267.716	407.988	406.895	406.969
Cu 324.754	73.5922	73.9431	73.3919
Fe 271.441	323191	321218	321391
K 766.491	4234.35	4239.76	4231.87
Mg 279.078	6259.35	6257.52	6249.84
Mn 257.610	6165.58	6159.64	6141.54
Mo 202.032	7.6415	7.8512	8.2868
Na 330.237	-40.5979u	80.0760u	88.3966u
Ni 231.604	79.4290	79.6250	77.8792
Pb 220.353	151.044	152.482	154.265
Sb 206.834	2.6703	3.1250	0.1377
Se 196.026	-2.5372	-8.8385	-5.1930
Sn 189.925	21.8017	17.2575	18.7392
Sr 216.596	92.9996	92.3823	91.6076
Ti 334.941	512.374	512.736	512.213
Tl 190.794	-0.8300u	4.0900u	4.4684u
V 292.401	451.482	452.311	450.085
Zn 206.200	229.448	230.300	224.729

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0150	ppb	0.0957	4.7	-225.429
Al 308.215	123193	ppb	111.593	0.1	958081
As 188.980	137.766	ppb	4.8845	3.5	89.4911
B 249.678	10.1238	ppb	0.3666	3.6	-613.653
Ba 389.178	504.056	ppb	0.4995	0.1	12404.1
Be 313.042	13.3617	ppb	0.0170	0.1	26123.3
Ca 370.602	22776	ppb	65.94	0.3	68476
Cd 226.502	-2.7295	ppb	0.1750	6.4	1485.27
Co 228.615	63.8923	ppb	0.5339	0.8	783.939
Cr 267.716	407.284	ppb	0.6104	0.1	23656.6
Cu 324.754	73.6424	ppb	0.2790	0.4	5967.24
Fe 271.441	321933	ppb	1092.48	0.3	543524
K 766.491	4235.33	ppb	4.0363	0.1	204573
Mg 279.078	6255.57	ppb	5.0484	0.1	18018.4
Mn 257.610	6155.59	ppb	12.5216	0.2	1479903
Mo 202.032	7.9265	ppb	0.3291	4.2	44.5277

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	42.6250	ppb	72.1930	169.4	-62.3108
Ni 231.604	78.9777	ppb	0.9564	1.2	280.701
Pb 220.353	152.597	ppb	1.6133	1.1	279.057
Sb 206.834	1.9776	ppb	1.6096	81.4	9.9293
Se 196.026	-5.5229	ppb	3.1636	57.3	8.9418
Sn 189.925	19.2661	ppb	2.3175	12.0	8.5700
Sr 216.596	92.3299	ppb	0.6975	0.8	1552.64
Ti 334.941	512.441	ppb	0.2676	0.1	168081
Tl 190.794	2.5762	ppb	2.9559	114.7	-54.0475
V 292.401	451.292	ppb	1.1249	0.2	13483.1
Zn 206.200	228.159	ppb	3.0008	1.3	230.574

680-109515-a-27-a (Samp) **2/4/2015, 5:31:33 PM** **Rack 1, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	-2.1028u	-1.8038u	-2.1125u
Al 308.215	142884	142326	142267
As 188.980	193.102	195.678	201.182
B 249.678	11.9429u	10.8224u	11.6405u
Ba 389.178	410.283	408.175	408.657
Be 313.042	18.8726	18.7974	18.7841
Ca 370.602	22535	22438	22390
Cd 226.502	-3.6961	-3.7765	-3.8135
Co 228.615	86.8457	86.5307	86.7511
Cr 267.716	478.013	476.670	475.345
Cu 324.754	72.8749	72.3021	73.1039
Fe 271.441	479275	477207	478404
K 766.491	4810.39	4824.25	4815.91
Mg 279.078	6790.35	6757.05	6752.35
Mn 257.610	5851.18	5817.26	5832.47
Mo 202.032	10.0251	10.3215	10.6175
Na 330.237	-107.670u	156.678u	83.4084u
Ni 231.604	107.049	106.889	107.354
Pb 220.353	202.592	190.817	197.035
Sb 206.834	6.5960	2.6380	1.6379
Se 196.026	-10.5347	-21.8269u	-8.1786
Sn 189.925	23.8009	16.0747	21.6042
Sr 216.596	89.8057	89.9014	89.7721
Ti 334.941	549.284	548.386	548.758
Tl 190.794	-0.7354u	-5.0724u	-3.2196u
V 292.401	658.852	656.849	657.168
Zn 206.200	321.009	321.006	316.283

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0064	ppb	0.1755	8.7	-255.308
Al 308.215	142492	ppb	340.806	0.2	1108157
As 188.980	196.654	ppb	4.1277	2.1	129.429
B 249.678	11.4686	ppb	0.5797	5.1	-999.441
Ba 389.178	409.038	ppb	1.1045	0.3	10242.2
Be 313.042	18.8181	ppb	0.0477	0.3	36923.3
Ca 370.602	22454	ppb	74.00	0.3	65687
Cd 226.502	-3.7620	ppb	0.0600	1.6	2207.38
Co 228.615	86.7092	ppb	0.1617	0.2	1063.72

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	476.676	ppb	1.3342	0.3	27724.7
Cu 324.754	72.7603	ppb	0.4130	0.6	5967.26
Fe 271.441	478295	ppb	1038.20	0.2	807508
K 766.491	4816.85	ppb	6.9758	0.1	232616
Mg 279.078	6766.58	ppb	20.7185	0.3	19503.3
Mn 257.610	5833.64	ppb	16.9899	0.3	1403084
Mo 202.032	10.3213	ppb	0.2962	2.9	53.4005
Na 330.237	44.1388	ppb	136.480	309.2	-106.595
Ni 231.604	107.097	ppb	0.2365	0.2	386.175
Pb 220.353	196.815	ppb	5.8904	3.0	360.316
Sb 206.834	3.6240	ppb	2.6220	72.4	16.0101
Se 196.026	-13.5134	ppb	7.2955	54.0	6.4959
Sn 189.925	20.4933	ppb	3.9811	19.4	9.5028
Sr 216.596	89.8264	ppb	0.0671	0.1	1725.69
Ti 334.941	548.809	ppb	0.4510	0.1	180031
Tl 190.794	-3.0091	ppb	2.1761	72.3	-85.5395
V 292.401	657.623	ppb	1.0762	0.2	19654.5
Zn 206.200	319.432	ppb	2.7276	0.9	321.905

680-109515-b-28-a (Samp) **2/4/2015, 5:36:09 PM** **Rack 1, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	2.6868	2.2276	2.0731
Al 308.215	141715	141984	141810
As 188.980	293.366	287.048	291.640
B 249.678	65.2724	66.7866	66.3761
Ba 389.178	2466.10	2468.78	2473.65
Be 313.042	21.5665	21.5993	21.6791
Ca 370.602	352408	351778	351710
Cd 226.502	5.0978	5.3118	5.9818
Co 228.615	134.526	135.700	136.715
Cr 267.716	353.299	353.601	355.340
Cu 324.754	318.933	318.699	321.401
Fe 271.441	466568	468468	468931
K 766.491	14389.7	14328.1	14316.4
Mg 279.078	46383.7	46439.0	46637.8
Mn 257.610	20030.2	20162.0	20175.5
Mo 202.032	22.7931	22.3588	22.3142
Na 330.237	1339.02u	1346.36u	1247.24u
Ni 231.604	122.175	122.321	125.252
Pb 220.353	2131.62	2142.39	2151.13
Sb 206.834	12.8770	16.4684	13.3916
Se 196.026	-16.7459	-8.4929	-17.2180
Sn 189.925	542.228	541.833	544.701
Sr 216.596	643.081	646.314	651.576
Ti 334.941	1466.80	1469.51	1470.76
Tl 190.794	-2.5684u	-0.3550u	-6.0998u
V 292.401	567.551	568.119	569.964
Zn 206.200	2615.35	2630.83	2647.73

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.3292	ppb	0.3192	13.7	209.155
Al 308.215	141836	ppb	136.454	0.1	1103045

E02042015.wvq. All Data Report 2/5/2015, 12:46:23 PM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	290.685	ppb	3.2655	1.1	194.975
B 249.678	66.1450	ppb	0.7831	1.2	63.8447
Ba 389.178	2469.51	ppb	3.8308	0.2	60057.9
Be 313.042	21.6150	ppb	0.0579	0.3	42564.3
Ca 370.602	351965	ppb	384.9	0.1	1104208
Cd 226.502	5.4638	ppb	0.4612	8.4	2582.08
Co 228.615	135.647	ppb	1.0955	0.8	1656.93
Cr 267.716	354.080	ppb	1.1015	0.3	20743.3
Cu 324.754	319.678	ppb	1.4973	0.5	24874.0
Fe 271.441	467989	ppb	1252.28	0.3	790114
K 766.491	14344.7	ppb	39.3967	0.3	692088
Mg 279.078	46486.9	ppb	133.639	0.3	134656
Mn 257.610	20122.6	ppb	80.2766	0.4	4835944
Mo 202.032	22.4887	ppb	0.2646	1.2	137.920
Na 330.237	1310.88	ppb	55.2297	4.2	-90.0063
Ni 231.604	123.249	ppb	1.7358	1.4	437.744
Pb 220.353	2141.71	ppb	9.7715	0.5	3483.03
Sb 206.834	14.2457	ppb	1.9421	13.6	29.3575
Se 196.026	-14.1523	ppb	4.9069	34.7	9.5387
Sn 189.925	542.921	ppb	1.5540	0.3	406.773
Sr 216.596	646.990	ppb	4.2873	0.7	8604.67
Ti 334.941	1469.02	ppb	2.0207	0.1	481898
Tl 190.794	-3.0077	ppb	2.8975	96.3	-76.4244
V 292.401	568.545	ppb	1.2618	0.2	16975.9
Zn 206.200	2631.30	ppb	16.1945	0.6	2775.72

Cont Calib Verif (CCV) **2/4/2015, 5:40:43 PM** **Rack 1, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	468.333	474.087	476.885
Al 308.215	4685.61	4704.55	4707.21
As 188.980	478.382	478.979	486.836
B 249.678	470.596	471.989	473.399
Ba 389.178	4783.66	4806.29	4803.18
Be 313.042	484.287	484.659	485.469
Ca 370.602	4864	4892	4877
Cd 226.502	481.356	482.704	481.700
Co 228.615	486.020	488.969	487.969
Cr 267.716	4932.52	4948.39	4946.98
Cu 324.754	4949.25	4977.54	4950.27
Fe 271.441	4730.51	4739.46	4737.27
K 766.491	10192.0	10207.9	10249.7
Mg 279.078	4827.11	4843.38	4850.22
Mn 257.610	4918.28	4929.23	4925.06
Mo 202.032	479.375	482.295	481.494
Na 330.237	7370.24	7134.47	7248.91
Ni 231.604	2433.39	2442.83	2443.39
Pb 220.353	483.817	484.045	480.397
Sb 206.834	938.337	945.131	945.414
Se 196.026	4804.84	4803.24	4799.96
Sn 189.925	4826.96	4842.95	4795.69
Sr 216.596	2391.60	2400.72	2395.03
Ti 334.941	469.124	470.838	471.872

Label	Replicates Concentration		
Tl 190.794	4916.17	4927.64	4925.24
V 292.401	4830.67	4843.52	4844.94
Zn 206.200	2399.13	2413.34	2410.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	473.102	ppb	4.3604	0.9	44062.3	94.62031
Al 308.215	4699.12	ppb	11.7768	0.3	37607.2	93.98247
As 188.980	481.399	ppb	4.7181	1.0	330.827	96.27979
B 249.678	471.995	ppb	1.4013	0.3	9001.94	94.39896
Ba 389.178	4797.71	ppb	12.2645	0.3	115789	95.95422
Be 313.042	484.805	ppb	0.6041	0.1	958825	96.96100
Ca 370.602	4878	ppb	13.83	0.3	15733	97.55281
Cd 226.502	481.920	ppb	0.7003	0.1	22178.9	96.38402
Co 228.615	487.653	ppb	1.4994	0.3	5732.87	97.53056
Cr 267.716	4942.63	ppb	8.7824	0.2	284370	98.85262
Cu 324.754	4959.02	ppb	16.0454	0.3	379906	99.18039
Fe 271.441	4735.74	ppb	4.6636	0.1	8105.15	94.71487
K 766.491	10216.5	ppb	29.7803	0.3	493010	102.16525
Mg 279.078	4840.24	ppb	11.8689	0.2	13978.6	96.80479
Mn 257.610	4924.19	ppb	5.5265	0.1	1183030	98.48381
Mo 202.032	481.055	ppb	1.5087	0.3	3319.55	96.21091
Na 330.237	7251.21	ppb	117.902	1.6	367.228	96.68275
Ni 231.604	2439.87	ppb	5.6200	0.2	7934.97	97.59472
Pb 220.353	482.753	ppb	2.0435	0.4	791.634	96.55057
Sb 206.834	942.961	ppb	4.0070	0.4	1396.92	94.29607
Se 196.026	4802.68	ppb	2.4884	0.1	2322.34	96.05362
Sn 189.925	4821.87	ppb	24.0372	0.5	3660.62	96.43732
Sr 216.596	2395.78	ppb	4.6048	0.2	29036.2	95.83134
Ti 334.941	470.611	ppb	1.3881	0.3	154310	94.12225
Tl 190.794	4923.02	ppb	6.0494	0.1	5605.54	98.46034
V 292.401	4839.71	ppb	7.8629	0.2	146005	96.79414
Zn 206.200	2407.57	ppb	7.4737	0.3	2545.26	96.30269

Cont Calib Blank (CCB) **2/4/2015, 5:45:16 PM** **Rack 1, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.1746	0.0997	0.1124
Al 308.215	4.3104	3.4935	5.6736
As 188.980	-0.0558u	-2.0725u	-2.9092u
B 249.678	1.9905	1.1903	1.3134
Ba 389.178	0.2312	0.5033	0.8219
Be 313.042	0.0206	0.0186	0.0180
Ca 370.602	1.369	4.375	2.545
Cd 226.502	0.0507	0.0477	0.0127
Co 228.615	-0.3309u	-0.2016u	-0.1829u
Cr 267.716	0.0026	-0.0288u	-0.2953u
Cu 324.754	0.0017	0.1926	0.1398
Fe 271.441	6.1058	6.1873	3.9072
K 766.491	-0.5897u	-0.6431u	-0.5552u
Mg 279.078	0.7889	0.0327	2.6016
Mn 257.610	0.2498	0.2699	0.2465
Mo 202.032	-0.2244u	-0.2897u	0.6973
Na 330.237	52.7771	67.3768	54.3510

Label	Replicates Concentration		
Ni 231.604	-0.4907u	0.2859	0.0112
Pb 220.353	-1.7999u	1.5582	0.9243
Sb 206.834	3.3675	1.3021	4.0752
Se 196.026	-3.0376u	-4.6218u	3.2634
Sn 189.925	3.5257	2.8129	0.7971
Sr 216.596	0.0677	0.0546	0.0056
Ti 334.941	0.1678	0.1468	0.1342
Tl 190.794	2.0190	2.3228	2.1125
V 292.401	0.2294	0.0154	0.1097
Zn 206.200	-1.5883u	-0.5388u	0.6549

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1289	ppb	0.0400	31.1	2.2172	0.12889
Al 308.215	4.4925	ppb	1.1014	24.5	359.314	4.49249
As 188.980	-1.6792	ppb	1.4668	87.4	-5.4082	-1.67917
B 249.678	1.4981	ppb	0.4309	28.8	70.7661	1.49807
Ba 389.178	0.5188	ppb	0.2956	57.0	-33.0361	0.51880
Be 313.042	0.0191	ppb	0.0014	7.2	-300.106	0.01905
Ca 370.602	2.763	ppb	1.515	54.8	24.24	2.76306
Cd 226.502	0.0370	ppb	0.0211	57.1	26.0479	0.03702
Co 228.615	-0.2385	ppb	0.0806	33.8	-3.6897	-0.23849
Cr 267.716	-0.1072	ppb	0.1637	152.8	24.5151	-0.10715
Cu 324.754	0.1114	ppb	0.0986	88.5	197.108	0.11136
Fe 271.441	5.4001	ppb	1.2936	24.0	15.0404	5.40010
K 766.491	-0.5960	ppb	0.0443	7.4	299.828	-0.59600
Mg 279.078	1.1411	ppb	1.3202	115.7	21.8493	1.14110
Mn 257.610	0.2554	ppb	0.0127	5.0	125.549	0.25541
Mo 202.032	0.0611	ppb	0.5520	904.0	6.0639	0.06106
Na 330.237	58.1683	ppb	8.0136	13.8	30.9258	58.16832
Ni 231.604	-0.0645	ppb	0.3938	610.2	-5.3233	-0.06454
Pb 220.353	0.2275	ppb	1.7842	784.1	13.0689	0.22754
Sb 206.834	2.9149	ppb	1.4409	49.4	0.2085	2.91494
Se 196.026	-1.4654	ppb	4.1711	284.6	6.3590	-1.46536
Sn 189.925	2.3786	ppb	1.4152	59.5	-4.2712	2.37855
Sr 216.596	0.0426	ppb	0.0327	76.8	2.7842	0.04261
Ti 334.941	0.1496	ppb	0.0170	11.3	9.3617	0.14958
Tl 190.794	2.1514	ppb	0.1556	7.2	-6.4045	2.15143
V 292.401	0.1182	ppb	0.1073	90.8	-9.5817	0.11817
Zn 206.200	-0.4907	ppb	1.1223	228.7	-0.1472	-0.49073

680-109515-b-29-a (Samp) **2/4/2015, 5:49:49 PM** **Rack 1, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.9290u	-1.8364u	-1.9380u
Al 308.215	86828.6	86940.1	86743.0
As 188.980	133.940	128.390	123.479
B 249.678	16.3908u	16.3743u	17.3754u
Ba 389.178	786.612	786.512	786.450
Be 313.042	11.5558	11.5386	11.5384
Ca 370.602	41708	41498	41353
Cd 226.502	-1.5938	-1.2138	-1.0237
Co 228.615	71.4689	72.1359	72.1049
Cr 267.716	251.111	250.334	250.083

Label	Replicates Concentration		
Cu 324.754	85.2074	86.3618	86.1305
Fe 271.441	231556	230978	230841
K 766.491	4111.74	4121.18	4123.68
Mg 279.078	7983.49	7981.31	7975.68
Mn 257.610	8667.54	8675.13	8672.52
Mo 202.032	8.1993	8.9543	8.1993
Na 330.237	445.770u	97.8898u	304.653u
Ni 231.604	57.3100	57.6397	56.3080
Pb 220.353	483.137	487.293	484.062
Sb 206.834	5.5094	5.8449	7.3391
Se 196.026	-9.3696u	-2.4694	7.6000
Sn 189.925	83.1819	84.1029	80.9041
Sr 216.596	142.482	142.018	142.450
Ti 334.941	629.743	629.883	630.553
Tl 190.794	5.6182u	-0.8515u	3.0892u
V 292.401	335.098	334.772	333.784
Zn 206.200	457.518	462.069	457.703

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9011	ppb	0.0562	3.0	-185.815
Al 308.215	86837.2	ppb	98.8414	0.1	675439
As 188.980	128.603	ppb	5.2337	4.1	83.7313
B 249.678	16.7135	ppb	0.5733	3.4	-249.706
Ba 389.178	786.525	ppb	0.0821	0.0	19150.4
Be 313.042	11.5443	ppb	0.0099	0.1	22527.7
Ca 370.602	41520	ppb	178.9	0.4	128659
Cd 226.502	-1.2771	ppb	0.2903	22.7	1104.69
Co 228.615	71.9032	ppb	0.3765	0.5	873.862
Cr 267.716	250.509	ppb	0.5358	0.2	14604.7
Cu 324.754	85.8999	ppb	0.6108	0.7	6866.74
Fe 271.441	231125	ppb	379.431	0.2	390217
K 766.491	4118.87	ppb	6.3010	0.2	198957
Mg 279.078	7980.16	ppb	4.0333	0.1	22990.7
Mn 257.610	8671.73	ppb	3.8547	0.0	2084055
Mo 202.032	8.4510	ppb	0.4359	5.2	52.5891
Na 330.237	282.771	ppb	174.969	61.9	-30.2336
Ni 231.604	57.0859	ppb	0.6935	1.2	201.278
Pb 220.353	484.830	ppb	2.1822	0.5	806.869
Sb 206.834	6.2311	ppb	0.9741	15.6	12.3250
Se 196.026	-1.4130	ppb	8.5340	604.0	10.6677
Sn 189.925	82.7296	ppb	1.6467	2.0	56.8299
Sr 216.596	142.317	ppb	0.2591	0.2	2048.86
Ti 334.941	630.060	ppb	0.4327	0.1	206644
Tl 190.794	2.6186	ppb	3.2604	124.5	-38.1030
V 292.401	334.551	ppb	0.6842	0.2	9999.00
Zn 206.200	459.097	ppb	2.5757	0.6	479.069

680-109515-b-30-a (Samp) **2/4/2015, 5:54:23 PM** **Rack 1, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-2.6898u	-2.8686u	-2.6090u
Al 308.215	102888	102557	103172
As 188.980	66.8024	63.0789	69.6133

Label	Replicates Concentration		
B 249.678	8.8680u	8.9510u	9.0507u
Ba 389.178	340.075	339.651	341.003
Be 313.042	12.2998	12.2724	12.3287
Ca 370.602	18457	18374	18485
Cd 226.502	-1.9236	-2.4845	-1.8274
Co 228.615	48.7562	48.4019	48.7091
Cr 267.716	267.018	266.136	267.541
Cu 324.754	58.7884	59.6541	59.4570
Fe 271.441	184938	184295	185226
K 766.491	3163.03	3156.05	3179.54
Mg 279.078	5467.15	5444.25	5474.56
Mn 257.610	5950.46	5962.89	5975.10
Mo 202.032	4.7037	5.0945	5.2127
Na 330.237	-44.0759u	14.4371u	15.1703u
Ni 231.604	52.7411	53.9666	53.7475
Pb 220.353	119.175	121.211	122.502
Sb 206.834	5.0672	0.9632	2.8843
Se 196.026	-6.7900u	-10.8647u	-4.5092
Sn 189.925	17.7819	20.0669	18.1844
Sr 216.596	78.9232	79.2226	79.5169
Ti 334.941	566.032	564.400	567.437
Tl 190.794	5.7204u	5.2066u	5.1382u
V 292.401	276.910	275.642	277.567
Zn 206.200	176.639	180.016	178.632

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7225	ppb	0.1329	4.9	-266.605
Al 308.215	102872	ppb	308.033	0.3	800075
As 188.980	66.4982	ppb	3.2778	4.9	40.8012
B 249.678	8.9566	ppb	0.0915	1.0	-274.630
Ba 389.178	340.243	ppb	0.6912	0.2	8333.76
Be 313.042	12.3003	ppb	0.0281	0.2	24016.2
Ca 370.602	18439	ppb	57.64	0.3	56406
Cd 226.502	-2.0785	ppb	0.3549	17.1	839.209
Co 228.615	48.6224	ppb	0.1924	0.4	595.925
Cr 267.716	266.898	ppb	0.7098	0.3	15510.7
Cu 324.754	59.2998	ppb	0.4537	0.8	4809.42
Fe 271.441	184820	ppb	477.078	0.3	312038
K 766.491	3166.20	ppb	12.0603	0.4	153015
Mg 279.078	5461.98	ppb	15.8020	0.3	15723.9
Mn 257.610	5962.82	ppb	12.3205	0.2	1433134
Mo 202.032	5.0037	ppb	0.2664	5.3	31.0725
Na 330.237	-4.8227	ppb	33.9962	704.9	-26.7582
Ni 231.604	53.4851	ppb	0.6536	1.2	185.463
Pb 220.353	120.963	ppb	1.6773	1.4	219.084
Sb 206.834	2.9716	ppb	2.0534	69.1	7.0652
Se 196.026	-7.3880	ppb	3.2197	43.6	6.6950
Sn 189.925	18.6777	ppb	1.2198	6.5	8.1228
Sr 216.596	79.2209	ppb	0.2969	0.4	1212.91
Ti 334.941	565.956	ppb	1.5198	0.3	185611
Tl 190.794	5.3551	ppb	0.3182	5.9	-29.0400
V 292.401	276.706	ppb	0.9785	0.4	8268.17
Zn 206.200	178.429	ppb	1.6973	1.0	182.809

680-109515-a-31-a (Samp) **2/4/2015, 5:58:56 PM** **Rack 1, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	-2.1162u	-2.4434u	-1.9541u
Al 308.215	117213	117139	117093
As 188.980	77.7452	74.9286	74.0589
B 249.678	9.5106u	9.9411u	9.1901u
Ba 389.178	478.923	478.353	476.822
Be 313.042	12.0213	12.0077	12.0322
Ca 370.602	20986	21010	21088
Cd 226.502	-1.7664	-1.6678	-2.0482
Co 228.615	51.9086	51.7335	52.2613
Cr 267.716	253.826	253.013	253.917
Cu 324.754	48.9690	49.1626	49.3326
Fe 271.441	203097	202645	203166
K 766.491	3950.66	3927.86	3935.08
Mg 279.078	5767.69	5758.14	5764.96
Mn 257.610	6345.90	6354.78	6367.21
Mo 202.032	4.9065	5.0686	5.1752
Na 330.237	101.109u	11.4161u	-131.448u
Ni 231.604	61.8588	60.2567	60.8869
Pb 220.353	130.658	128.902	129.791
Sb 206.834	6.6863	5.5189	2.8582
Se 196.026	-9.8283u	1.7955	-7.9523u
Sn 189.925	19.9917	19.2936	17.6290
Sr 216.596	85.5362	85.0676	85.4271
Ti 334.941	483.941	482.587	482.221
Tl 190.794	2.4789u	2.3424u	-4.6310u
V 292.401	300.424	299.645	300.031
Zn 206.200	182.724	183.502	186.660

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1712	ppb	0.2492	11.5	-216.484
Al 308.215	117149	ppb	60.7987	0.1	911058
As 188.980	75.5776	ppb	1.9269	2.5	46.9989
B 249.678	9.5473	ppb	0.3769	3.9	-311.526
Ba 389.178	478.032	ppb	1.0864	0.2	11675.6
Be 313.042	12.0204	ppb	0.0123	0.1	23465.4
Ca 370.602	21028	ppb	52.88	0.3	64321
Cd 226.502	-1.8275	ppb	0.1974	10.8	940.914
Co 228.615	51.9678	ppb	0.2688	0.5	634.673
Cr 267.716	253.585	ppb	0.4982	0.2	14755.8
Cu 324.754	49.1547	ppb	0.1819	0.4	4040.39
Fe 271.441	202969	ppb	283.252	0.1	342680
K 766.491	3937.87	ppb	11.6543	0.3	190228
Mg 279.078	5763.60	ppb	4.9212	0.1	16586.1
Mn 257.610	6355.96	ppb	10.7031	0.2	1527640
Mo 202.032	5.0501	ppb	0.1353	2.7	30.4981
Na 330.237	-6.3078	ppb	117.288	1859.4	-31.9087
Ni 231.604	61.0008	ppb	0.8071	1.3	211.560
Pb 220.353	129.784	ppb	0.8777	0.7	234.391
Sb 206.834	5.0211	ppb	1.9620	39.1	10.1618
Se 196.026	-5.3283	ppb	6.2404	117.1	7.9563
Sn 189.925	18.9715	ppb	1.2139	6.4	8.3462
Sr 216.596	85.3436	ppb	0.2452	0.3	1311.99

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	482.916	ppb	0.9061	0.2	158381
Tl 190.794	0.0634	ppb	4.0661	6411.4	-37.7712
V 292.401	300.033	ppb	0.3896	0.1	8965.92
Zn 206.200	184.295	ppb	2.0844	1.1	188.428

680-109515-a-32-a (Samp) **2/4/2015, 6:03:30 PM** **Rack 1, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	-4.7310u	-4.3369u	-4.9101u
Al 308.215	127514	127501	127495
As 188.980	249.144	250.661	247.663
B 249.678	18.1501u	17.9746u	18.5299u
Ba 389.178	7531.40	7538.05	7522.02
Be 313.042	20.5583	20.5759	20.5101
Ca 370.602	94661	94587	94300
Cd 226.502	12.5595	12.8919	12.6703
Co 228.615	288.581	284.539	286.033
Cr 267.716	395.438	395.497	393.973
Cu 324.754	197.889	195.942	197.723
Fe 271.441	408962	409156	408798
K 766.491	7449.69	7450.96	7486.55
Mg 279.078	26441.7	26411.0	26331.5
Mn 257.610	47229.0x	47561.2x	47039.4x
Mo 202.032	26.0822	25.8786	25.4047
Na 330.237	348.157u	217.541u	275.975u
Ni 231.604	199.770	198.990	198.362
Pb 220.353	633.205	631.424	624.156
Sb 206.834	3.8727	1.5643	4.7147
Se 196.026	-1.6847	-1.8033	-11.3284
Sn 189.925	64.5396	62.2355	65.3452
Sr 216.596	418.302	419.257	416.789
Ti 334.941	766.647	766.569	766.509
Tl 190.794	14.2191u	13.2195u	8.1550u
V 292.401	541.354	541.282	539.804
Zn 206.200	1139.45	1140.26	1128.25

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.6594b	ppb	0.2932	6.3	-267.133
Al 308.215	127503b	ppb	9.6468	0.0	991611
As 188.980	249.156b	ppb	1.4988	0.6	166.459
B 249.678	18.2182b	ppb	0.2839	1.6	-689.807
Ba 389.178	7530.49b	ppb	8.0516	0.1	182124
Be 313.042	20.5481b	ppb	0.0341	0.2	40347.9
Ca 370.602	94516b	ppb	190.6	0.2	294650
Cd 226.502	12.7072b	ppb	0.1693	1.3	2623.81
Co 228.615	286.384b	ppb	2.0435	0.7	3408.64
Cr 267.716	394.969b	ppb	0.8636	0.2	23204.9
Cu 324.754	197.184b	ppb	1.0792	0.5	15467.1
Fe 271.441	408972b	ppb	179.258	0.0	690496
K 766.491	7462.40b	ppb	20.9252	0.3	360195
Mg 279.078	26394.7b	ppb	56.8855	0.2	75653.1
Mn 257.610	47276.5xb	ppb	264.154	0.6	11358596
Mo 202.032	25.7885b	ppb	0.3477	1.3	163537

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	280.558b	ppb	65.4285	23.3	-94.6225
Ni 231.604	199.041b	ppb	0.7055	0.4	678.709
Pb 220.353	629.595b	ppb	4.7940	0.8	1058.71
Sb 206.834	3.3839b	ppb	1.6311	48.2	13.1370
Se 196.026	-4.9388b	ppb	5.5339	112.0	19.9602
Sn 189.925	64.0401b	ppb	1.6139	2.5	42.6173
Sr 216.596	418.116b	ppb	1.2443	0.3	5647.24
Ti 334.941	766.575b	ppb	0.0691	0.0	251477
Tl 190.794	11.8646b	ppb	3.2512	27.4	-35.0880
V 292.401	540.813b	ppb	0.8750	0.2	16153.0
Zn 206.200	1135.99b	ppb	6.7118	0.6	1190.93

680-109515-b-33-a (Samp) **2/4/2015, 6:08:04 PM** **Rack 1, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	-1.2686u	-1.8219u	-1.0010u
Al 308.215	128214	128757	128175
As 188.980	189.342	186.643	188.871
B 249.678	20.4369u	19.7935u	21.0186u
Ba 389.178	626.728	626.942	627.164
Be 313.042	17.1833	17.2098	17.1954
Ca 370.602	50125	50312	50431
Cd 226.502	1.5476	1.5504	1.4086
Co 228.615	75.3333	75.9620	74.9393
Cr 267.716	384.778	385.558	385.347
Cu 324.754	146.438	147.611	144.949
Fe 271.441	368739	369793	368372
K 766.491	7376.85	7394.17	7359.73
Mg 279.078	8829.56	8842.51	8847.43
Mn 257.610	4295.12	4313.16	4310.37
Mo 202.032	12.9508	12.4997	12.2213
Na 330.237	285.256u	588.327u	538.444u
Ni 231.604	105.282	106.481	106.536
Pb 220.353	426.331	430.267	427.227
Sb 206.834	2.5649	7.3185	4.3449
Se 196.026	-11.2238u	-3.3632	-1.5409
Sn 189.925	32.2933	31.7492	32.8123
Sr 216.596	181.484	180.087	180.294
Ti 334.941	608.207	610.213	609.005
Tl 190.794	2.5148u	-1.7998u	-5.2975u
V 292.401	506.084	506.286	505.434
Zn 206.200	874.281	870.576	873.918

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3638	ppb	0.4187	30.7	-187.395
Al 308.215	128382	ppb	325.359	0.3	998434
As 188.980	188.286	ppb	1.4414	0.8	124.349
B 249.678	20.4163	ppb	0.6128	3.0	-542.195
Ba 389.178	626.945	ppb	0.2184	0.0	15415.5
Be 313.042	17.1962	ppb	0.0133	0.1	33719.4
Ca 370.602	50289	ppb	154.2	0.3	154566
Cd 226.502	1.5022	ppb	0.0811	5.4	1911.09
Co 228.615	75.4115	ppb	0.5158	0.7	924.436

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	385.228	ppb	0.4033	0.1	22401.5
Cu 324.754	146.333	ppb	1.3340	0.9	11554.6
Fe 271.441	368968	ppb	737.505	0.2	622932
K 766.491	7376.92	ppb	17.2169	0.2	356073
Mg 279.078	8839.83	ppb	9.2336	0.1	25569.7
Mn 257.610	4306.21	ppb	9.7116	0.2	1035817
Mo 202.032	12.5572	ppb	0.3681	2.9	74.1866
Na 330.237	470.676	ppb	162.503	34.5	-67.0087
Ni 231.604	106.100	ppb	0.7088	0.7	373.162
Pb 220.353	427.942	ppb	2.0632	0.5	723.561
Sb 206.834	4.7428	ppb	2.4016	50.6	14.3832
Se 196.026	-5.3760	ppb	5.1457	95.7	9.0134
Sn 189.925	32.2849	ppb	0.5316	1.6	18.4699
Sr 216.596	180.621	ppb	0.7540	0.4	2696.13
Ti 334.941	609.142	ppb	1.0099	0.2	199806
Tl 190.794	-1.5275	ppb	3.9132	256.2	-67.2259
V 292.401	505.935	ppb	0.4452	0.1	15116.9
Zn 206.200	872.925	ppb	2.0423	0.2	913.188

680-109515-a-34-a (Samp) **2/4/2015, 6:12:38 PM** **Rack 1, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	-7.7891u	-7.9196u	-8.0233u
Al 308.215	138783	138817	139224
As 188.980	249.483	249.941	253.879
B 249.678	11.6285u	12.4624u	10.9374u
Ba 389.178	6009.73	6010.23	6027.39
Be 313.042	24.1679	24.1797	24.2566
Ca 370.602	32615	32568	32729
Cd 226.502	-0.0689	0.4164	0.1902
Co 228.615	378.652	379.078	381.100
Cr 267.716	457.500	457.635	459.333
Cu 324.754	88.3374	88.7940	89.2667
Fe 271.441	517716	516496	520061
K 766.491	6330.08	6327.78	6347.43
Mg 279.078	8344.17	8353.04	8377.88
Mn 257.610	46561.1x	46784.9x	47037.2x
Mo 202.032	18.3094	18.3058	17.9849
Na 330.237	18.3225u	-221.843u	20.3872u
Ni 231.604	156.183	158.216	155.867
Pb 220.353	854.802	857.738	852.501
Sb 206.834	6.0748	6.5353	9.3097
Se 196.026	-9.9447	-6.0568	-0.2785
Sn 189.925	24.2348	18.3513	18.3780
Sr 216.596	154.634	154.366	156.458
Ti 334.941	412.412	412.623	412.630
Tl 190.794	15.1706u	8.1106u	9.7690u
V 292.401	668.019	669.031	670.797
Zn 206.200	450.918	449.432	451.470

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-7.9107b	ppb	0.1174	1.5	-582.910
Al 308.215	138941b	ppb	245.299	0.2	1080560

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	251.101b	ppb	2.4170	1.0	167.066
B 249.678	11.6761b	ppb	0.7636	6.5	-1102.06
Ba 389.178	6015.78b	ppb	10.0521	0.2	145613
Be 313.042	24.2014b	ppb	0.0481	0.2	47558.2
Ca 370.602	32637b	ppb	82.66	0.3	98370
Cd 226.502	0.1792b	ppb	0.2428	135.5	2587.97
Co 228.615	379.610b	ppb	1.3078	0.3	4504.10
Cr 267.716	458.156b	ppb	1.0212	0.2	26891.5
Cu 324.754	88.7994b	ppb	0.4647	0.5	7213.98
Fe 271.441	518091b	ppb	1811.59	0.3	874729
K 766.491	6335.09b	ppb	10.7429	0.2	305832
Mg 279.078	8358.36b	ppb	17.4724	0.2	23226.3
Mn 257.610	46794.4xb	ppb	238.196	0.5	11242987
Mo 202.032	18.2000b	ppb	0.1863	1.0	105.830
Na 330.237	-61.0445b	ppb	139.260	228.1	-126.434
Ni 231.604	156.755b	ppb	1.2748	0.8	550.660
Pb 220.353	855.014b	ppb	2.6248	0.3	1427.83
Sb 206.834	7.3066b	ppb	1.7500	24.0	21.6899
Se 196.026	-5.4267b	ppb	4.8638	89.6	20.6504
Sn 189.925	20.3213b	ppb	3.3892	16.7	9.3720
Sr 216.596	155.153b	ppb	1.1381	0.7	2574.38
Ti 334.941	412.555b	ppb	0.1236	0.0	135353
Tl 190.794	11.0167b	ppb	3.6917	33.5	-53.5618
V 292.401	669.282b	ppb	1.4058	0.2	19988.2
Zn 206.200	450.607b	ppb	1.0540	0.2	459.734

680-109515-a-35-a (Samp) **2/4/2015, 6:17:13 PM** **Rack 1, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	-3.6710u	-3.5185u	-3.1197u
Al 308.215	163687	163753	164231
As 188.980	216.627	214.563	209.971
B 249.678	13.0605u	13.6278u	11.7745u
Ba 389.178	1238.09	1238.82	1243.20
Be 313.042	22.4551	22.4678	22.5151
Ca 370.602	30276	30251	30335
Cd 226.502	-1.4801	-1.3568	-1.5201
Co 228.615	133.558	130.804	134.515
Cr 267.716	477.130	477.183	477.539
Cu 324.754	77.6105	78.7488	78.5597
Fe 271.441	499908	499063	500037
K 766.491	6787.22	6791.14	6840.80
Mg 279.078	9552.17	9551.60	9586.34
Mn 257.610	15391.5	15287.9	15358.3
Mo 202.032	11.0741	11.4444	10.2454
Na 330.237	190.963u	412.608u	157.009u
Ni 231.604	122.130	118.904	116.772
Pb 220.353	259.789	260.286	259.682
Sb 206.834	3.4454	4.3709	6.1621
Se 196.026	-7.7220	-12.9974	-13.6890
Sn 189.925	18.7500	24.1654	16.4185
Sr 216.596	118.853	118.720	117.855
Ti 334.941	442.250	443.265	444.019

Label	Replicates Concentration		
Tl 190.794	-1.4309u	-4.0185u	-1.3069u
V 292.401	640.024	639.529	640.829
Zn 206.200	468.710	466.878	466.273

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.4364	ppb	0.2847	8.3	-339.769
Al 308.215	163890	ppb	296.905	0.2	1274498
As 188.980	213.720	ppb	3.4073	1.6	141.164
B 249.678	12.8209	ppb	0.9496	7.4	-1031.13
Ba 389.178	1240.04	ppb	2.7652	0.2	30324.8
Be 313.042	22.4793	ppb	0.0316	0.1	44164.9
Ca 370.602	30287	ppb	42.85	0.1	90317
Cd 226.502	-1.4523	ppb	0.0851	5.9	2421.04
Co 228.615	132.959	ppb	1.9265	1.4	1606.25
Cr 267.716	477.284	ppb	0.2220	0.0	27820.2
Cu 324.754	78.3063	ppb	0.6100	0.8	6402.12
Fe 271.441	499669	ppb	528.698	0.1	843598
K 766.491	6806.39	ppb	29.8671	0.4	328559
Mg 279.078	9563.37	ppb	19.8958	0.2	27414.9
Mn 257.610	15345.9	ppb	52.8761	0.3	3688249
Mo 202.032	10.9213	ppb	0.6139	5.6	56.5238
Na 330.237	253.526	ppb	138.811	54.8	-104.511
Ni 231.604	119.269	ppb	2.6973	2.3	427.633
Pb 220.353	259.919	ppb	0.3223	0.1	464.782
Sb 206.834	4.6595	ppb	1.3812	29.6	17.9065
Se 196.026	-11.4695	ppb	3.2638	28.5	9.9785
Sn 189.925	19.7780	ppb	3.9745	20.1	8.9589
Sr 216.596	118.476	ppb	0.5423	0.5	2104.69
Ti 334.941	443.178	ppb	0.8877	0.2	145398
Tl 190.794	-2.2521	ppb	1.5310	68.0	-83.0704
V 292.401	640.127	ppb	0.6558	0.1	19115.1
Zn 206.200	467.287	ppb	1.2688	0.3	478.046

680-109515-a-36-a (Samp) **2/4/2015, 6:21:48 PM** **Rack 1, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.3181u	-1.1149u	-1.2397u
Al 308.215	221947	224775	221121
As 188.980	202.949	208.808	208.858
B 249.678	100.206	100.869	100.833
Ba 389.178	2547.83	2580.31	2534.54
Be 313.042	31.5438	32.0023	31.4276
Ca 370.602	661545	674046	660658
Cd 226.502	6.4634	6.9184	6.4539
Co 228.615	92.0765	93.8640	91.6230
Cr 267.716	279.658	283.743	279.573
Cu 324.754	411.796	419.322	412.388
Fe 271.441	273027	277378	272118
K 766.491	24956.6	25297.0	24827.1
Mg 279.078	111717	113341	111375
Mn 257.610	13984.0	14187.4	13922.3
Mo 202.032	21.3541	20.3218	20.4406
Na 330.237	4570.36	4477.08	4468.93

Label	Replicates Concentration		
Ni 231.604	115.136	116.168	115.847
Pb 220.353	1054.71	1072.85	1058.81
Sb 206.834	5.5743	14.2296	4.6386
Se 196.026	-19.9548u	-22.1345u	-0.2279
Sn 189.925	62.7059	59.9350	59.5634
Sr 216.596	1156.35	1172.35	1148.96
Ti 334.941	3139.61	3179.37	3120.31
Tl 190.794	0.3476u	2.3669u	-4.5288u
V 292.401	296.343	300.206	295.775
Zn 206.200	2294.81	2329.00	2281.90

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2242	ppb	0.1025	8.4	-141.740
Al 308.215	222615	ppb	1916.16	0.9	1730914
As 188.980	206.872	ppb	3.3972	1.6	137.940
B 249.678	100.636	ppb	0.3732	0.4	1230.01
Ba 389.178	2554.23	ppb	23.5473	0.9	62087.5
Be 313.042	31.6579	ppb	0.3039	1.0	62545.8
Ca 370.602	665416	ppb	7487	1.1	2094069
Cd 226.502	6.6119	ppb	0.2655	4.0	1675.02
Co 228.615	92.5212	ppb	1.1848	1.3	1173.45
Cr 267.716	280.991	ppb	2.3834	0.8	16415.7
Cu 324.754	414.502	ppb	4.1849	1.0	32052.0
Fe 271.441	274175	ppb	2811.38	1.0	462898
K 766.491	25026.9	ppb	242.687	1.0	1207224
Mg 279.078	112144	ppb	1050.23	0.9	325626
Mn 257.610	14031.2	ppb	138.688	1.0	3372567
Mo 202.032	20.7055	ppb	0.5648	2.7	135.154
Na 330.237	4505.46	ppb	56.3552	1.3	145.859
Ni 231.604	115.717	ppb	0.5279	0.5	395.940
Pb 220.353	1062.12	ppb	9.5167	0.9	1734.07
Sb 206.834	8.1475	ppb	5.2880	64.9	16.0394
Se 196.026	-14.1057	ppb	12.0679	85.6	6.2484
Sn 189.925	60.7348	ppb	1.7171	2.8	40.1055
Sr 216.596	1159.22	ppb	11.9541	1.0	14691.6
Ti 334.941	3146.43	ppb	30.1120	1.0	1032123
Tl 190.794	-0.6047	ppb	3.5451	586.2	-45.9229
V 292.401	297.442	ppb	2.4110	0.8	8875.84
Zn 206.200	2301.91	ppb	24.3397	1.1	2433.03

680-109515-a-37-a (Samp) **2/4/2015, 6:26:23 PM** **Rack 1, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	-1.4941u	-0.9456u	-1.3293u
Al 308.215	191232	191453	191908
As 188.980	318.769	315.488	320.149
B 249.678	26.2660u	27.3176u	27.4541u
Ba 389.178	720.924	722.144	719.281
Be 313.042	19.8602	19.9382	19.9408
Ca 370.602	175759	175385	176508
Cd 226.502	-0.6407	0.4849	-0.0668
Co 228.615	113.003	115.629	114.734
Cr 267.716	543.562	544.561	544.819

Label	Replicates Concentration		
Cu 324.754	132.432	133.274	133.193
Fe 271.441	698591	695554	700376
K 766.491	8580.13	8579.60	8575.47
Mg 279.078	31259.2	31377.1	31406.2
Mn 257.610	6514.78	6545.97	6519.57
Mo 202.032	26.2598	26.2044	24.7043
Na 330.237	729.667u	673.580u	785.935u
Ni 231.604	97.4485	101.588	100.148
Pb 220.353	409.418	415.142	415.672
Sb 206.834	9.6213	10.4651	11.3950
Se 196.026	-9.9214	-12.1328	-3.4213
Sn 189.925	27.2938	26.0144	32.1507
Sr 216.596	319.746	322.951	323.368
Ti 334.941	921.917	923.442	921.655
Tl 190.794	-11.0493u	-4.0750u	-9.7251u
V 292.401	964.957	965.155	965.375
Zn 206.200	711.205	717.714	723.861

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2563	ppb	0.2814	22.4	-231.723
Al 308.215	191531	ppb	344.314	0.2	1489439
As 188.980	318.135	ppb	2.3945	0.8	212.514
B 249.678	27.0126	ppb	0.6502	2.4	-1284.54
Ba 389.178	720.783	ppb	1.4365	0.2	18006.1
Be 313.042	19.9131	ppb	0.0458	0.2	39156.1
Ca 370.602	175884	ppb	571.9	0.3	546492
Cd 226.502	-0.0742	ppb	0.5629	758.6	3461.82
Co 228.615	114.455	ppb	1.3352	1.2	1412.84
Cr 267.716	544.314	ppb	0.6639	0.1	31729.7
Cu 324.754	132.966	ppb	0.4645	0.3	10673.4
Fe 271.441	698174	ppb	2437.90	0.3	1178725
K 766.491	8578.40	ppb	2.5532	0.0	414013
Mg 279.078	31347.5	ppb	77.8446	0.2	90925.8
Mn 257.610	6526.77	ppb	16.7993	0.3	1570532
Mo 202.032	25.7228	ppb	0.8825	3.4	148.865
Na 330.237	729.728	ppb	56.1773	7.7	-137.931
Ni 231.604	99.7281	ppb	2.1014	2.1	381.893
Pb 220.353	413.411	ppb	3.4676	0.8	722.140
Sb 206.834	10.4938	ppb	0.8872	8.5	30.4793
Se 196.026	-8.4918	ppb	4.5283	53.3	11.1738
Sn 189.925	28.4863	ppb	3.2373	11.4	15.5807
Sr 216.596	322.022	ppb	1.9817	0.6	4892.15
Ti 334.941	922.338	ppb	0.9649	0.1	302613
Tl 190.794	-8.2831	ppb	3.7040	44.7	-126.401
V 292.401	965.162	ppb	0.2091	0.0	28860.1
Zn 206.200	717.593	ppb	6.3287	0.9	736.682

680-109515-a-38-a (Samp) **2/4/2015, 6:30:59 PM** **Rack 1, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	-1.4190u	-1.4722u	-1.2125u
Al 308.215	128739	128972	126706
As 188.980	215.441	213.825	200.035

E02042015.wvq. All Data Report 2/5/2015, 12:46:23 PM

Label	Replicates Concentration		
B 249.678	21.6576u	21.7100u	22.1587u
Ba 389.178	1007.47	1010.40	990.859
Be 313.042	13.3196	13.3763	13.1284
Ca 370.602	112015	112365	110130
Cd 226.502	-1.3579	-1.7606	-2.4819
Co 228.615	107.053	108.597	107.621
Cr 267.716	569.825	571.441	560.605
Cu 324.754	134.326	135.505	132.686
Fe 271.441	465650	466882	459165
K 766.491	6411.98	6428.19	6331.17
Mg 279.078	25415.1	25498.4	25003.5
Mn 257.610	4641.65	4648.06	4542.61
Mo 202.032	18.6225	19.0548	19.4072
Na 330.237	766.779u	651.632u	478.254u
Ni 231.604	96.7317	95.7855	95.6614
Pb 220.353	336.110	327.115	327.217
Sb 206.834	7.5033	7.5306	11.6130
Se 196.026	-4.7765	-13.5949u	-1.4562
Sn 189.925	25.1453	23.7692	17.5113
Sr 216.596	272.124	273.059	267.149
Ti 334.941	1086.51	1090.89	1071.61
Tl 190.794	-4.8674u	-7.5583u	-1.1940u
V 292.401	666.328	669.527	656.757
Zn 206.200	602.273	604.508	593.882

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3679	ppb	0.1372	10.0	-207.468
Al 308.215	128139	ppb	1246.68	1.0	996580
As 188.980	209.767	ppb	8.4667	4.0	138.658
B 249.678	21.8421	ppb	0.2754	1.3	-764.357
Ba 389.178	1002.91	ppb	10.5371	1.1	24606.4
Be 313.042	13.2748	ppb	0.1299	1.0	25988.8
Ca 370.602	111503	ppb	1202	1.1	346476
Cd 226.502	-1.8668	ppb	0.5695	30.5	2222.18
Co 228.615	107.757	ppb	0.7807	0.7	1321.52
Cr 267.716	567.291	ppb	5.8462	1.0	32925.5
Cu 324.754	134.172	ppb	1.4155	1.1	10664.0
Fe 271.441	463899	ppb	4145.62	0.9	783206
K 766.491	6390.45	ppb	51.9693	0.8	308501
Mg 279.078	25305.7	ppb	264.960	1.0	73429.8
Mn 257.610	4610.77	ppb	59.1213	1.3	1109434
Mo 202.032	19.0282	ppb	0.3930	2.1	114.164
Na 330.237	632.222	ppb	145.238	23.0	-77.1255
Ni 231.604	96.0595	ppb	0.5854	0.6	348.886
Pb 220.353	330.148	ppb	5.1639	1.6	573.011
Sb 206.834	8.8823	ppb	2.3649	26.6	24.2296
Se 196.026	-6.6092	ppb	6.2735	94.9	9.3906
Sn 189.925	22.1419	ppb	4.0689	18.4	10.7567
Sr 216.596	270.778	ppb	3.1770	1.2	3938.16
Ti 334.941	1083.00	ppb	10.1030	0.9	355256
Tl 190.794	-4.5399	ppb	3.1948	70.4	-85.5273
V 292.401	664.204	ppb	6.6444	1.0	19857.9
Zn 206.200	600.221	ppb	5.6024	0.9	620.188

Cont Calib Verif (CCV) **2/4/2015, 6:35:33 PM** **Rack 1, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	470.289	470.719	470.895
Al 308.215	4679.26	4685.38	4703.46
As 188.980	472.094	476.867	478.041
B 249.678	469.268	470.225	472.198
Ba 389.178	4758.83	4749.25	4772.62
Be 313.042	481.142	480.691	483.361
Ca 370.602	4837	4853	4869
Cd 226.502	477.464	477.723	479.830
Co 228.615	483.889	483.818	486.439
Cr 267.716	4908.32	4911.28	4927.09
Cu 324.754	4949.63	4897.43	4976.40
Fe 271.441	4716.47	4719.31	4728.92
K 766.491	10175.6	10158.3	10223.2
Mg 279.078	4823.64	4829.58	4834.13
Mn 257.610	4895.15	4879.27	4915.28
Mo 202.032	477.308	476.184	479.472
Na 330.237	7187.85	7367.41	7266.57
Ni 231.604	2429.50	2430.97	2441.93
Pb 220.353	478.311	478.965	479.805
Sb 206.834	936.836	936.115	947.917
Se 196.026	4760.97	4791.26	4790.76
Sn 189.925	4776.78	4783.85	4793.07
Sr 216.596	2372.56	2369.25	2381.32
Ti 334.941	466.711	466.809	468.592
Tl 190.794	4867.12	4876.75	4901.38
V 292.401	4810.76	4806.26	4840.06
Zn 206.200	2374.41	2390.25	2395.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	470.635	ppb	0.3117	0.1	43832.9	94.12691
Al 308.215	4689.37	ppb	12.5854	0.3	37527.8	93.78735
As 188.980	475.667	ppb	3.1500	0.7	326.837	95.13342
B 249.678	470.564	ppb	1.4942	0.3	8974.75	94.11278
Ba 389.178	4760.23	ppb	11.7473	0.2	114884	95.20466
Be 313.042	481.731	ppb	1.4295	0.3	952744	96.34621
Ca 370.602	4853	ppb	15.87	0.3	15652	97.05497
Cd 226.502	478.339	ppb	1.2979	0.3	22014.3	95.66778
Co 228.615	484.715	ppb	1.4934	0.3	5698.34	96.94309
Cr 267.716	4915.56	ppb	10.0870	0.2	282813	98.31128
Cu 324.754	4941.15	ppb	40.1578	0.8	378538	98.82307
Fe 271.441	4721.57	ppb	6.5283	0.1	8080.64	94.43134
K 766.491	10185.7	ppb	33.5868	0.3	491524	101.85710
Mg 279.078	4829.11	ppb	5.2628	0.1	13947.0	96.58228
Mn 257.610	4896.56	ppb	18.0485	0.4	1176393	97.93130
Mo 202.032	477.655	ppb	1.6710	0.3	3296.12	95.53091
Na 330.237	7273.94	ppb	90.0049	1.2	369.039	96.98589
Ni 231.604	2434.14	ppb	6.7927	0.3	7916.32	97.36547
Pb 220.353	479.027	ppb	0.7490	0.2	785.630	95.80537
Sb 206.834	940.290	ppb	6.6158	0.7	1392.77	94.02895
Se 196.026	4781.00	ppb	17.3466	0.4	2311.88	95.61994
Sn 189.925	4784.57	ppb	8.1673	0.2	3632.26	95.69140
Sr 216.596	2374.38	ppb	6.2355	0.3	28776.3	94.97500

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	467.371	ppb	1.0593	0.2	153247	93.47411
Tl 190.794	4881.75	ppb	17.6686	0.4	5558.51	97.63503
V 292.401	4819.02	ppb	18.3512	0.4	145382	96.38049
Zn 206.200	2386.58	ppb	10.8022	0.5	2523.05	95.46302

Cont Calib Blank (CCB) **2/4/2015, 6:40:07 PM** **Rack 1, Tube 38**

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

Label	Replicates Concentration		
Ag 328.068	0.3210	0.1063	0.1238
Al 308.215	3.9835	3.4319	4.1606
As 188.980	-3.1892u	-3.0886u	-0.9395u
B 249.678	1.4470	1.4098	1.0757
Ba 389.178	0.0123	0.2336	-0.3546u
Be 313.042	0.0184	0.0204	0.0188
Ca 370.602	4.542	0.7923	-0.5627u
Cd 226.502	-0.1068u	0.0140	-0.0324u
Co 228.615	-0.3138u	-0.2512u	-0.2208u
Cr 267.716	-0.0661u	-0.2039u	-0.1242u
Cu 324.754	0.1125	-0.0791u	0.0812
Fe 271.441	3.1949	3.8258	5.2177
K 766.491	-1.2170u	-1.0197u	-0.5474u
Mg 279.078	-2.6761u	-0.9722u	0.1726
Mn 257.610	0.1862	0.1469	0.1804
Mo 202.032	-0.0145u	0.5819	0.6084
Na 330.237	130.571	-121.218u	-130.100u
Ni 231.604	0.0602	-0.6647u	-0.3100u
Pb 220.353	1.2310	-1.6465u	-1.7486u
Sb 206.834	2.0684	0.9186	4.1478
Se 196.026	-4.4683u	0.7884	2.0391
Sn 189.925	0.0524	3.5302	0.0656
Sr 216.596	-0.2193u	0.2143	0.1429
Ti 334.941	0.1169	0.1135	0.1044
Tl 190.794	1.5563	0.8458	0.1983
V 292.401	0.1952	0.3514	0.1109
Zn 206.200	-1.1233u	-0.5063u	-0.4410u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1837	ppb	0.1192	64.9	7.3263	0.18371
Al 308.215	3.8587	ppb	0.3801	9.8	354.396	3.85867
As 188.980	-2.4058	ppb	1.2708	52.8	-5.9143	-2.40579
B 249.678	1.3108	ppb	0.2045	15.6	67.2314	1.31085
Ba 389.178	-0.0362	ppb	0.2971	819.8	-46.4346	-0.03624
Be 313.042	0.0192	ppb	0.0010	5.4	-299.864	0.01919
Ca 370.602	1.591	ppb	2.645	166.3	20.55	1.59061
Cd 226.502	-0.0417	ppb	0.0609	146.1	22.4217	-0.04170
Co 228.615	-0.2619	ppb	0.0474	18.1	-3.9731	-0.26193
Cr 267.716	-0.1314	ppb	0.0692	52.6	23.1154	-0.13143
Cu 324.754	0.0382	ppb	0.1028	269.1	191.515	0.03820
Fe 271.441	4.0795	ppb	1.0350	25.4	12.8135	4.07946
K 766.491	-0.9280	ppb	0.3441	37.1	283.816	-0.92803
Mg 279.078	-1.1586	ppb	1.4334	123.7	15.1663	-1.15857
Mn 257.610	0.1712	ppb	0.0212	12.4	105.303	0.17117
Mo 202.032	0.3920	ppb	0.3522	89.9	8.3473	0.39196

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-40.2488	ppb	148.001	367.7	25.5235	-40.24877
Ni 231.604	-0.3048	ppb	0.3625	118.9	-6.1056	-0.30481
Pb 220.353	-0.7214	ppb	1.6916	234.5	11.5455	-0.72139
Sb 206.834	2.3783	ppb	1.6367	68.8	-0.5623	2.37826
Se 196.026	-0.5469	ppb	3.4531	631.4	6.8015	-0.54691
Sn 189.925	1.2161	ppb	2.0041	164.8	-5.1552	1.21608
Sr 216.596	0.0460	ppb	0.2325	505.8	2.8366	0.04596
Ti 334.941	0.1116	ppb	0.0065	5.8	-3.0855	0.11160
Tl 190.794	0.8668	ppb	0.6793	78.4	-7.8675	0.86683
V 292.401	0.2192	ppb	0.1220	55.7	-6.5869	0.21916
Zn 206.200	-0.6902	ppb	0.3765	54.5	-0.3588	-0.69022

680-109515-a-39-a (Samp) **2/4/2015, 6:44:40 PM** **Rack 1, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-1.1913u	-1.2766u	-1.0509u
Al 308.215	173322	172495	171947
As 188.980	238.558	246.113	240.702
B 249.678	23.0982u	22.4132u	23.2694u
Ba 389.178	600.272	600.665	598.838
Be 313.042	16.5193	16.5000	16.4936
Ca 370.602	145195	145212	145149
Cd 226.502	-1.8886	-1.9994	-1.9949
Co 228.615	97.9575	99.6584	100.100
Cr 267.716	494.030	491.513	491.505
Cu 324.754	121.720	120.413	121.923
Fe 271.441	626460	627799	625345
K 766.491	7731.05	7692.48	7691.20
Mg 279.078	26801.9	26719.5	26682.4
Mn 257.610	5539.55	5560.51	5532.04
Mo 202.032	19.9999	21.1945	20.1518
Na 330.237	645.824u	810.083u	612.946u
Ni 231.604	95.9763	95.4835	97.9837
Pb 220.353	304.551	304.368	317.373
Sb 206.834	16.6827	3.6509	11.4782
Se 196.026	-11.6117	-20.0276u	-12.6765
Sn 189.925	21.9113	22.6250	26.9795
Sr 216.596	286.302	286.857	287.073
Ti 334.941	837.853	836.392	835.425
Tl 190.794	-6.0013u	-5.4067u	-3.3122u
V 292.401	842.876	841.961	839.469
Zn 206.200	608.357	605.127	609.801

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1729	ppb	0.1140	9.7	-214.766
Al 308.215	172588	ppb	692.312	0.4	1342154
As 188.980	241.791	ppb	3.8935	1.6	159.846
B 249.678	22.9269	ppb	0.4530	2.0	-1171.28
Ba 389.178	599.925	ppb	0.9614	0.2	15017.9
Be 313.042	16.5043	ppb	0.0134	0.1	32397.0
Ca 370.602	145186	ppb	32.48	0.0	450585
Cd 226.502	-1.9610	ppb	0.0627	3.2	3018.36
Co 228.615	99.2387	ppb	1.1313	1.1	1227.20

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	492.349	ppb	1.4555	0.3	28699.0
Cu 324.754	121.352	ppb	0.8194	0.7	9752.92
Fe 271.441	626535	ppb	1228.66	0.2	1057777
K 766.491	7704.91	ppb	22.6511	0.3	371890
Mg 279.078	26734.6	ppb	61.1937	0.2	77545.4
Mn 257.610	5544.03	ppb	14.7517	0.3	1334175
Mo 202.032	20.4487	ppb	0.6503	3.2	116.052
Na 330.237	689.618	ppb	105.613	15.3	-117.937
Ni 231.604	96.4811	ppb	1.3243	1.4	364.861
Pb 220.353	308.764	ppb	7.4560	2.4	549.367
Sb 206.834	10.6039	ppb	6.5598	61.9	28.7080
Se 196.026	-14.7720	ppb	4.5826	31.0	7.2224
Sn 189.925	23.8386	ppb	2.7434	11.5	12.0466
Sr 216.596	286.744	ppb	0.3979	0.1	4357.11
Ti 334.941	836.557	ppb	1.2221	0.1	274461
Tl 190.794	-4.9067	ppb	1.4126	28.8	-111.552
V 292.401	841.435	ppb	1.7637	0.2	25151.5
Zn 206.200	607.762	ppb	2.3936	0.4	622.737

680-109515-a-40-a (Samp) **2/4/2015, 6:49:13 PM** **Rack 1, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	0.2456	0.7740	0.2133
Al 308.215	113086	113266	113604
As 188.980	1251.90	1254.41	1264.40
B 249.678	56.1921	55.4270	54.8197
Ba 389.178	1736.79	1739.75	1743.24
Be 313.042	16.8443	16.8288	16.8815
Ca 370.602	61162	61215	61394
Cd 226.502	43.2181	43.2319	43.3741
Co 228.615	189.334	189.894	188.997
Cr 267.716	541.886	541.570	542.504
Cu 324.754	1045.34	1038.30	1061.48
Fe 271.441	369730	369385	370609
K 766.491	8991.70	9004.84	9038.90
Mg 279.078	15489.5	15505.6	15524.0
Mn 257.610	13504.8	13496.9	13479.5
Mo 202.032	19.5535	19.4930	19.4867
Na 330.237	1027.23u	1230.32u	1205.65u
Ni 231.604	338.442	340.645	341.861
Pb 220.353	2112.76	2121.57	2125.97
Sb 206.834	26.5092	25.4425	28.1899
Se 196.026	3.8600	8.3223	3.5933
Sn 189.925	93.4804	90.7674	94.1279
Sr 216.596	274.802	273.789	274.851
Ti 334.941	1556.88	1558.32	1560.54
Tl 190.794	-1.1468u	4.4022u	-3.5277u
V 292.401	394.253	394.332	395.168
Zn 206.200	4492.50	4510.57	4501.47

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4110	ppb	0.3148	76.6	26.1620
Al 308.215	113319	ppb	263.239	0.2	881322

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1256.90	ppb	6.6140	0.5	868.519
B 249.678	55.4796	ppb	0.6877	1.2	121.672
Ba 389.178	1739.93	ppb	3.2290	0.2	42295.5
Be 313.042	16.8515	ppb	0.0271	0.2	33028.7
Ca 370.602	61257	ppb	121.3	0.2	189813
Cd 226.502	43.2747	ppb	0.0863	0.2	3831.22
Co 228.615	189.408	ppb	0.4534	0.2	2284.36
Cr 267.716	541.987	ppb	0.4747	0.1	31471.2
Cu 324.754	1048.37	ppb	11.8856	1.1	80636.3
Fe 271.441	369908	ppb	631.084	0.2	624533
K 766.491	9011.81	ppb	24.3576	0.3	434914
Mg 279.078	15506.4	ppb	17.2647	0.1	44752.8
Mn 257.610	13493.7	ppb	12.9831	0.1	3242935
Mo 202.032	19.5111	ppb	0.0369	0.2	122.261
Na 330.237	1154.40	ppb	110.822	9.6	-116.947
Ni 231.604	340.316	ppb	1.7329	0.5	1135.21
Pb 220.353	2120.10	ppb	6.7262	0.3	3440.74
Sb 206.834	26.7139	ppb	1.3850	5.2	47.6201
Se 196.026	5.2585	ppb	2.6566	50.5	16.3545
Sn 189.925	92.7919	ppb	1.7829	1.9	64.4812
Sr 216.596	274.481	ppb	0.5995	0.2	3834.46
Ti 334.941	1558.58	ppb	1.8424	0.1	511192
Tl 190.794	-0.0907	ppb	4.0691	4484.0	-60.7153
V 292.401	394.585	ppb	0.5072	0.1	11747.8
Zn 206.200	4501.51	ppb	9.0369	0.2	4763.33

CRI (Samp) **2/4/2015, 6:53:47 PM** **Rack 1, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	10.3083	10.1178	10.4571
Al 308.215	207.926	208.837	210.198
As 188.980	19.7602	17.0159	20.3140
B 249.678	99.1046	100.448	100.794
Ba 389.178	10.6721	9.7808	10.1732
Be 313.042	4.1454	4.1652	4.2083
Ca 370.602	520.7	519.8	523.9
Cd 226.502	4.8642	4.9698	4.8632
Co 228.615	9.7812	9.8254	9.6979
Cr 267.716	10.1699	10.2784	10.1983
Cu 324.754	21.2121	21.2249	21.5617
Fe 271.441	82.2663	77.5847	79.5566
K 766.491	1086.94	1093.23	1103.26
Mg 279.078	512.914	517.116	520.408
Mn 257.610	12.2322	12.2049	12.3462
Mo 202.032	9.7806	9.8042	9.9571
Na 330.237	939.947	904.104	949.159
Ni 231.604	39.4225	39.9595	40.4037
Pb 220.353	9.5973	9.3870	8.3962
Sb 206.834	19.5440	21.0828	21.3310
Se 196.026	16.3248	16.5418	15.3842
Sn 189.925	49.0787	53.6264	51.1100
Sr 216.596	9.7607	9.8105	10.0233
Ti 334.941	10.2883	10.3424	10.3955

Label	Replicates Concentration		
Tl 190.794	25.1325	27.3029	29.6600
V 292.401	10.7061	11.1775	11.0154
Zn 206.200	22.9541	22.3628	23.2918

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.2944	ppb	0.1701	1.7	949.968
Al 308.215	208.987	ppb	1.1435	0.5	1950.82
As 188.980	19.0300	ppb	1.7662	9.3	9.0101
B 249.678	100.116	ppb	0.8924	0.9	1942.18
Ba 389.178	10.2087	ppb	0.4467	4.4	202.153
Be 313.042	4.1730	ppb	0.0322	0.8	7915.59
Ca 370.602	521.5	ppb	2.151	0.4	1662
Cd 226.502	4.8991	ppb	0.0613	1.3	249.681
Co 228.615	9.7681	ppb	0.0647	0.7	113.801
Cr 267.716	10.2156	ppb	0.0563	0.6	618.390
Cu 324.754	21.3329	ppb	0.1983	0.9	1822.57
Fe 271.441	79.8025	ppb	2.3505	2.9	141.968
K 766.491	1094.48	ppb	8.2283	0.8	53108.6
Mg 279.078	516.813	ppb	3.7561	0.7	1520.58
Mn 257.610	12.2611	ppb	0.0750	0.6	3014.24
Mo 202.032	9.8473	ppb	0.0958	1.0	73.5779
Na 330.237	931.070	ppb	23.8031	2.6	78.3172
Ni 231.604	39.9286	ppb	0.4914	1.2	124.821
Pb 220.353	9.1268	ppb	0.6414	7.0	27.3392
Sb 206.834	20.6526	ppb	0.9680	4.7	25.4699
Se 196.026	16.0836	ppb	0.6153	3.8	14.8181
Sn 189.925	51.2717	ppb	2.2782	4.4	32.9090
Sr 216.596	9.8648	ppb	0.1394	1.4	121.152
Ti 334.941	10.3421	ppb	0.0536	0.5	3353.03
Tl 190.794	27.3652	ppb	2.2644	8.3	22.3066
V 292.401	10.9663	ppb	0.2395	2.2	315.855
Zn 206.200	22.8696	ppb	0.4703	2.1	24.6188

mb 680-369215/1-a (Samp) **2/4/2015, 6:58:21 PM** **Rack 1, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-0.2516u	0.0611	0.1385
Al 308.215	10.0383	10.4243	8.6322
As 188.980	-0.8679u	-1.1846u	-1.6428u
B 249.678	0.4515	0.7456	0.4613
Ba 389.178	-0.3505u	0.0163	-0.6520u
Be 313.042	0.0110	0.0118	0.0098
Ca 370.602	20.95	15.51	19.47
Cd 226.502	-0.1197u	0.0425	-0.0820u
Co 228.615	-0.4452u	0.2443	0.0931
Cr 267.716	0.6541	0.6244	0.6303
Cu 324.754	0.0916	0.2741	0.1025
Fe 271.441	19.3775	28.5084	14.7943
K 766.491	8.1671	8.2543	8.4016
Mg 279.078	3.5737	2.7604	3.6771
Mn 257.610	0.5198	0.5312	0.4551
Mo 202.032	0.3170	0.5201	0.0675
Na 330.237	53.8805	89.3712	-87.1929u

Label	Replicates Concentration		
Ni 231.604	1.0735	1.0882	1.6541
Pb 220.353	1.6004	-0.6552u	0.3193
Sb 206.834	3.1504	0.4190	1.3068
Se 196.026	-6.3247u	-2.6295u	-1.0086u
Sn 189.925	6.4335	5.0509	7.6158
Sr 216.596	-0.0055u	-0.2151u	-0.5895u
Ti 334.941	0.2969	0.2898	0.3052
Tl 190.794	0.5281	-1.5193u	3.1781
V 292.401	0.1005	0.0459	0.0676
Zn 206.200	2.5945	2.4776	3.4382

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0173	ppb	0.2065	1190.5	-11.4116
Al 308.215	9.6983	ppb	0.9432	9.7	399.764
As 188.980	-1.2317	ppb	0.3896	31.6	-5.0968
B 249.678	0.5528	ppb	0.1671	30.2	52.7839
Ba 389.178	-0.3287	ppb	0.3347	101.8	-53.4729
Be 313.042	0.0109	ppb	0.0010	9.3	-316.314
Ca 370.602	18.64	ppb	2.815	15.1	74.16
Cd 226.502	-0.0531	ppb	0.0849	159.9	21.9787
Co 228.615	-0.0359	ppb	0.3624	1009.2	-1.3121
Cr 267.716	0.6362	ppb	0.0157	2.5	67.2973
Cu 324.754	0.1561	ppb	0.1024	65.6	200.547
Fe 271.441	20.8934	ppb	6.9816	33.4	41.2122
K 766.491	8.2744	ppb	0.1185	1.4	727.591
Mg 279.078	3.3371	ppb	0.5021	15.0	28.2253
Mn 257.610	0.5020	ppb	0.0410	8.2	184.872
Mo 202.032	0.3015	ppb	0.2267	75.2	7.7228
Na 330.237	18.6863	ppb	93.3954	499.8	28.6755
Ni 231.604	1.2719	ppb	0.3310	26.0	-0.9726
Pb 220.353	0.4215	ppb	1.1313	268.4	13.3812
Sb 206.834	1.6254	ppb	1.3933	85.7	-1.6227
Se 196.026	-3.3209	ppb	2.7247	82.0	5.4652
Sn 189.925	6.3668	ppb	1.2838	20.2	-1.2384
Sr 216.596	-0.2700	ppb	0.2959	109.6	-1.0154
Ti 334.941	0.2973	ppb	0.0077	2.6	57.8284
Tl 190.794	0.7290	ppb	2.3552	323.1	-8.0266
V 292.401	0.0713	ppb	0.0275	38.5	-11.0810
Zn 206.200	2.8368	ppb	0.5241	18.5	3.3819

lcs 680-369215/2-a (Samp) **2/4/2015, 7:02:54 PM** **Rack 1, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	48.3440	48.9313	48.5236
Al 308.215	4693.46	4735.28	4709.57
As 188.980	97.7711	101.060	95.2509
B 249.678	182.805	185.143	184.493
Ba 389.178	94.9239	96.6490	95.7585
Be 313.042	49.0283	49.5442	49.2348
Ca 370.602	4815	4879	4864
Cd 226.502	48.6094	49.0438	48.5261
Co 228.615	47.7718	48.6135	48.5091
Cr 267.716	100.072	100.940	100.247

Label	Replicates Concentration		
Cu 324.754	100.073	100.539	99.2932
Fe 271.441	4720.55	4759.85	4736.18
K 766.491	5092.56	5129.79	5104.80
Mg 279.078	4771.40	4817.43	4787.93
Mn 257.610	504.105	509.844	506.644
Mo 202.032	96.6416	96.5094	96.3626
Na 330.237	4752.49	4665.60	4568.21
Ni 231.604	97.3937	97.8115	96.7429
Pb 220.353	477.399	485.065	480.542
Sb 206.834	47.3123	47.9073	49.6590
Se 196.026	90.5289	91.0170	97.2125
Sn 189.925	193.870	202.539	197.716
Sr 216.596	94.4362	95.3347	93.4127
Ti 334.941	96.1325	96.9481	96.3452
Tl 190.794	37.8378	39.2476	42.1654
V 292.401	98.1833	99.6253	98.6323
Zn 206.200	98.2461	100.973	97.9903

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.5997	ppb	0.3009	0.6	4521.27
Al 308.215	4712.77	ppb	21.0922	0.4	36977.4
As 188.980	98.0275	ppb	2.9133	3.0	63.9654
B 249.678	184.147	ppb	1.2065	0.7	3524.88
Ba 389.178	95.7771	ppb	0.8627	0.9	2281.69
Be 313.042	49.2691	ppb	0.2597	0.5	97108.7
Ca 370.602	4852	ppb	33.58	0.7	15303
Cd 226.502	48.7264	ppb	0.2780	0.6	2285.30
Co 228.615	48.2981	ppb	0.4588	0.9	566.278
Cr 267.716	100.420	ppb	0.4587	0.5	5811.98
Cu 324.754	99.9683	ppb	0.6295	0.6	7849.01
Fe 271.441	4738.86	ppb	19.7849	0.4	8013.27
K 766.491	5109.05	ppb	18.9769	0.4	246707
Mg 279.078	4792.25	ppb	23.3157	0.5	13936.7
Mn 257.610	506.864	ppb	2.8759	0.6	121882
Mo 202.032	96.5045	ppb	0.1396	0.1	671.230
Na 330.237	4662.10	ppb	92.1947	2.0	280.304
Ni 231.604	97.3160	ppb	0.5385	0.6	311.917
Pb 220.353	481.002	ppb	3.8535	0.8	784.802
Sb 206.834	48.2929	ppb	1.2199	2.5	64.6715
Se 196.026	92.9195	ppb	3.7259	4.0	52.0027
Sn 189.925	198.042	ppb	4.3439	2.2	144.519
Sr 216.596	94.3945	ppb	0.9617	1.0	1152.99
Ti 334.941	96.4753	ppb	0.4231	0.4	31610.0
Tl 190.794	39.7502	ppb	2.2072	5.6	35.8605
V 292.401	98.8136	ppb	0.7379	0.7	2947.42
Zn 206.200	99.0697	ppb	1.6531	1.7	105.140

680-109515-a-44-a (Samp) **2/4/2015, 7:07:29 PM** **Rack 1, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-0.7568u	-0.4614u	-0.7820u
Al 308.215	119521	119844	119155
As 188.980	458.564	446.989	439.422

Label	Replicates Concentration		
B 249.678	33.2318u	33.4463u	34.9670u
Ba 389.178	1330.32	1333.84	1325.73
Be 313.042	14.4677	14.4970	14.4164
Ca 370.602	75382	75458	74796
Cd 226.502	13.9560	13.8711	14.7192
Co 228.615	134.548	134.610	135.247
Cr 267.716	428.382	428.311	426.185
Cu 324.754	489.345	492.954	485.683
Fe 271.441	345355	346985	343922
K 766.491	10146.0	10185.7	10124.1
Mg 279.078	10124.4	10138.5	10097.7
Mn 257.610	14034.5	14023.6	13985.7
Mo 202.032	19.3211	20.8256	19.7884
Na 330.237	1114.96u	1138.12u	1012.91u
Ni 231.604	167.960	168.781	169.297
Pb 220.353	1222.25	1221.05	1210.21
Sb 206.834	12.2329	10.0894	11.1467
Se 196.026	4.7464	-7.4976	-1.7843
Sn 189.925	62.1862	62.6065	61.9548
Sr 216.596	219.344	220.189	219.243
Ti 334.941	823.792	826.438	823.397
Tl 190.794	0.0040u	-1.0930u	1.3467u
V 292.401	442.147	442.672	441.896
Zn 206.200	3536.89	3529.14	3531.60

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6668	ppb	0.1783	26.7	-64.5481
Al 308.215	119506	ppb	344.359	0.3	929426
As 188.980	448.325	ppb	9.6407	2.2	305.597
B 249.678	33.8817	ppb	0.9460	2.8	-224.754
Ba 389.178	1329.96	ppb	4.0680	0.3	32367.8
Be 313.042	14.4604	ppb	0.0408	0.3	28309.0
Ca 370.602	75212	ppb	362.4	0.5	233689
Cd 226.502	14.1821	ppb	0.4671	3.3	2377.48
Co 228.615	134.802	ppb	0.3869	0.3	1625.02
Cr 267.716	427.626	ppb	1.2481	0.3	24880.1
Cu 324.754	489.327	ppb	3.6353	0.7	37812.3
Fe 271.441	345420	ppb	1532.57	0.4	583185
K 766.491	10151.9	ppb	31.2219	0.3	489895
Mg 279.078	10120.2	ppb	20.7405	0.2	29081.1
Mn 257.610	14014.6	ppb	25.6172	0.2	3367938
Mo 202.032	19.9784	ppb	0.7701	3.9	126.581
Na 330.237	1088.66	ppb	66.6171	6.1	-90.8117
Ni 231.604	168.679	ppb	0.6744	0.4	574.576
Pb 220.353	1217.84	ppb	6.6339	0.5	1991.56
Sb 206.834	11.1563	ppb	1.0717	9.6	23.5233
Se 196.026	-1.5118	ppb	6.1265	405.2	12.9888
Sn 189.925	62.2492	ppb	0.3303	0.5	41.2556
Sr 216.596	219.592	ppb	0.5193	0.2	3146.36
Ti 334.941	824.542	ppb	1.6533	0.2	270447
Tl 190.794	0.0859	ppb	1.2219	1422.0	-56.3974
V 292.401	442.238	ppb	0.3958	0.1	13198.3
Zn 206.200	3532.54	ppb	3.9594	0.1	3736.17

680-109515-a-44-aSD (Samp) **2/4/2015, 7:12:03 PM** **Rack 1, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-0.3012u	-0.1976u	-0.2556u
Al 308.215	23899.5	23878.0	23985.1
As 188.980	85.9792	84.5446	89.2183
B 249.678	6.8011u	7.2258u	6.9495u
Ba 389.178	274.356	274.484	275.992
Be 313.042	2.9553	2.9646	2.9718
Ca 370.602	15380	15383	15415
Cd 226.502	2.5955	2.3594	2.4502
Co 228.615	27.5845	28.1194	28.0232
Cr 267.716	89.2418	89.5117	89.7976
Cu 324.754	96.4152	96.6697	96.9563
Fe 271.441	73222.3	73251.0	73553.5
K 766.491	1848.50	1846.87	1861.26
Mg 279.078	2155.48	2152.96	2165.54
Mn 257.610	3015.97	3008.26	3019.46
Mo 202.032	4.1906	3.9976	4.1972
Na 330.237	344.226u	271.061u	271.228u
Ni 231.604	35.6289	35.5216	35.1861
Pb 220.353	253.693	261.639	262.381
Sb 206.834	6.2624	3.8996	6.8594
Se 196.026	4.8805	-0.7433	-1.0609
Sn 189.925	9.8257	14.7521	15.3221
Sr 216.596	46.6292	46.5099	46.2717
Ti 334.941	169.966	170.192	171.286
Tl 190.794	-0.7191u	3.2038u	-0.6579u
V 292.401	92.1845	91.4938	92.3494
Zn 206.200	739.028	751.147	752.939

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2515	ppb	0.0519	20.6	-31.4647
Al 308.215	23920.9	ppb	56.6718	0.2	186298
As 188.980	86.5807	ppb	2.3942	2.8	55.5514
B 249.678	6.9921	ppb	0.2155	3.1	-18.1247
Ba 389.178	274.944	ppb	0.9094	0.3	6657.01
Be 313.042	2.9639	ppb	0.0082	0.3	5533.94
Ca 370.602	15393	ppb	19.21	0.1	47813
Cd 226.502	2.4684	ppb	0.1191	4.8	498.918
Co 228.615	27.9090	ppb	0.2851	1.0	335.856
Cr 267.716	89.5170	ppb	0.2779	0.3	5233.45
Cu 324.754	96.6804	ppb	0.2707	0.3	7624.44
Fe 271.441	73342.3	ppb	183.494	0.3	123831
K 766.491	1852.21	ppb	7.8769	0.4	89649.5
Mg 279.078	2157.99	ppb	6.6577	0.3	6215.80
Mn 257.610	3014.56	ppb	5.7279	0.2	724496
Mo 202.032	4.1284	ppb	0.1134	2.7	30.5414
Na 330.237	295.505	ppb	42.1935	14.3	6.1794
Ni 231.604	35.4455	ppb	0.2310	0.7	116.766
Pb 220.353	259.238	ppb	4.8163	1.9	433.953
Sb 206.834	5.6738	ppb	1.5652	27.6	6.5806
Se 196.026	1.0254	ppb	3.3424	326.0	8.9802
Sn 189.925	13.3000	ppb	3.0223	22.7	4.0337
Sr 216.596	46.4703	ppb	0.1820	0.4	667.948

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	170.481	ppb	0.7062	0.4	55886.1
Tl 190.794	0.6089	ppb	2.2475	369.1	-18.2567
V 292.401	92.0092	ppb	0.4540	0.5	2734.93
Zn 206.200	747.705	ppb	7.5674	1.0	791.094

680-109515-a-44-aPDS (Samp) **2/4/2015, 7:16:38 PM** **Rack 1, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	84.2762	84.5168	84.9537
Al 308.215	119744	119850	120682
As 188.980	547.130	548.029	540.415
B 249.678	211.896	212.427	213.868
Ba 389.178	1391.12	1394.59	1401.05
Be 313.042	107.491	107.803	108.253
Ca 370.602	83860	84338	84609
Cd 226.502	103.130	102.856	103.707
Co 228.615	221.572	223.129	224.244
Cr 267.716	512.378	514.983	516.439
Cu 324.754	589.001	592.718	590.700
Fe 271.441	348759	351089	353396
K 766.491	20413.0	20396.3	20556.6
Mg 279.078	19040.2	19112.5	19185.8
Mn 257.610	14618.9	14738.8	14781.2
Mo 202.032	111.657	111.083	112.515
Na 330.237	9968.48	9893.72	9916.53
Ni 231.604	253.154	255.247	255.474
Pb 220.353	1287.83	1302.64	1308.95
Sb 206.834	105.232	104.030	110.416
Se 196.026	80.5228	85.4790	91.5308
Sn 189.925	154.271	149.822	156.276
Sr 216.596	304.668	305.162	308.490
Ti 334.941	905.620	906.821	910.733
Tl 190.794	18.0467u	17.6884u	20.6756u
V 292.401	532.899	534.599	536.242
Zn 206.200	3588.48	3592.92	3612.97

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	84.5822	ppb	0.3435	0.4	7885.46
Al 308.215	120092	ppb	513.950	0.4	933993
As 188.980	545.191	ppb	4.1607	0.8	372.988
B 249.678	212.731	ppb	1.0206	0.5	3155.70
Ba 389.178	1395.59	ppb	5.0409	0.4	33977.3
Be 313.042	107.849	ppb	0.3833	0.4	213025
Ca 370.602	84269	ppb	379.3	0.5	262204
Cd 226.502	103.231	ppb	0.4347	0.4	6494.59
Co 228.615	222.982	ppb	1.3421	0.6	2660.63
Cr 267.716	514.600	ppb	2.0574	0.4	29888.9
Cu 324.754	590.806	ppb	1.8609	0.3	45588.7
Fe 271.441	351081	ppb	2318.40	0.7	592754
K 766.491	20455.3	ppb	88.1273	0.4	986765
Mg 279.078	19112.8	ppb	72.8277	0.4	55207.4
Mn 257.610	14712.9	ppb	84.1984	0.6	3535791
Mo 202.032	111.752	ppb	0.7207	0.6	759.487

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	9926.24	ppb	38.3154	0.4	391.867
Ni 231.604	254.625	ppb	1.2788	0.5	854.576
Pb 220.353	1299.80	ppb	10.8402	0.8	2123.47
Sb 206.834	106.559	ppb	3.3939	3.2	159.236
Se 196.026	85.8442	ppb	5.5131	6.4	55.2988
Sn 189.925	153.457	ppb	3.3032	2.2	110.616
Sr 216.596	306.107	ppb	2.0787	0.7	4204.30
Ti 334.941	907.724	ppb	2.6735	0.3	297745
Tl 190.794	18.8036	ppb	1.6311	8.7	-35.5542
V 292.401	534.580	ppb	1.6718	0.3	15964.4
Zn 206.200	3598.13	ppb	13.0478	0.4	3805.40

680-109515-a-44-b ms (Samp) **2/4/2015, 7:21:14 PM** **Rack 1, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	47.2151	46.3645	46.7357
Al 308.215	104387	104336	104179
As 188.980	732.825	736.488	728.760
B 249.678	158.821	157.677	158.720
Ba 389.178	1313.97	1310.26	1310.09
Be 313.042	58.5822	58.4725	58.3659
Ca 370.602	43063	42940	42806
Cd 226.502	59.6493	59.7557	59.8554
Co 228.615	163.753	162.619	164.196
Cr 267.716	517.107	516.095	514.997
Cu 324.754	765.349	763.968	760.604
Fe 271.441	303329	302365	302459
K 766.491	11651.6	11634.3	11602.7
Mg 279.078	12257.5	12217.3	12245.8
Mn 257.610	11611.8	11619.7	11606.4
Mo 202.032	103.538	102.507	102.429
Na 330.237	5519.97	5281.45	5328.34
Ni 231.604	297.391	294.836	299.132
Pb 220.353	2074.77	2063.15	2066.74
Sb 206.834	26.4285	30.6456	34.1600
Se 196.026	88.6792	81.0862	95.9326
Sn 189.925	254.723	256.956	258.345
Sr 216.596	237.582	236.096	238.784
Ti 334.941	944.594	943.496	942.654
Tl 190.794	35.8870u	39.9794	37.3597
V 292.401	473.338	473.119	472.585
Zn 206.200	3298.64	3280.77	3302.26

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.7718	ppb	0.4265	0.9	4353.45
Al 308.215	104301	ppb	108.589	0.1	811225
As 188.980	732.691	ppb	3.8661	0.5	503.895
B 249.678	158.406	ppb	0.6337	0.4	2250.93
Ba 389.178	1311.44	ppb	2.1913	0.2	31890.4
Be 313.042	58.4736	ppb	0.1082	0.2	115345
Ca 370.602	42936	ppb	128.7	0.3	132538
Cd 226.502	59.7534	ppb	0.1031	0.2	4259.57
Co 228.615	163.522	ppb	0.8133	0.5	1959.74

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	516.066	ppb	1.0553	0.2	29933.7
Cu 324.754	763.307	ppb	2.4404	0.3	58777.8
Fe 271.441	302718	ppb	531.868	0.2	511096
K 766.491	11629.5	ppb	24.8054	0.2	561150
Mg 279.078	12240.2	ppb	20.6649	0.2	35302.9
Mn 257.610	11612.6	ppb	6.6817	0.1	2790794
Mo 202.032	102.825	ppb	0.6194	0.6	700.253
Na 330.237	5376.59	ppb	126.368	2.4	162.180
Ni 231.604	297.120	ppb	2.1608	0.7	988.692
Pb 220.353	2068.22	ppb	5.9490	0.3	3352.86
Sb 206.834	30.4114	ppb	3.8711	12.7	49.9581
Se 196.026	88.5660	ppb	7.4238	8.4	55.4075
Sn 189.925	256.674	ppb	1.8274	0.7	189.104
Sr 216.596	237.488	ppb	1.3467	0.6	3291.22
Ti 334.941	943.581	ppb	0.9730	0.1	309484
Tl 190.794	37.7420	ppb	2.0728	5.5	-8.0228
V 292.401	473.014	ppb	0.3871	0.1	14124.8
Zn 206.200	3293.89	ppb	11.5037	0.3	3484.22

680-109515-a-44-c ms (Samp) **2/4/2015, 7:25:49 PM** **Rack 1, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	46.5997	46.6005	45.9557
Al 308.215	116790	116611	116916
As 188.980	619.958	619.392	622.239
B 249.678	156.403	157.238	157.966
Ba 389.178	1399.63	1395.97	1399.62
Be 313.042	63.4320	63.3438	63.5025
Ca 370.602	43540	43431	43393
Cd 226.502	58.1672	57.6941	58.2565
Co 228.615	171.480	171.676	172.007
Cr 267.716	517.402	516.371	517.225
Cu 324.754	748.518	748.311	752.856
Fe 271.441	375039	374846	374511
K 766.491	11795.6	11756.3	11912.4
Mg 279.078	12623.0	12615.2	12627.4
Mn 257.610	15315.9	15294.1	15370.7
Mo 202.032	106.830	104.342	106.317
Na 330.237	5564.46	5515.14	5496.43
Ni 231.604	266.140	262.213	266.226
Pb 220.353	1723.75	1717.03	1710.75
Sb 206.834	29.1976	32.9583	27.8867
Se 196.026	96.4872	84.9926	83.2555
Sn 189.925	247.484	237.088	247.454
Sr 216.596	244.323	244.355	244.161
Ti 334.941	903.588	903.302	906.182
Tl 190.794	35.4389u	35.3548u	37.4854u
V 292.401	573.932	571.610	574.321
Zn 206.200	3061.58	3061.96	3050.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.3853	ppb	0.3720	0.8	4324.89
Al 308.215	116773	ppb	153.215	0.1	908200

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	620.530	ppb	1.5069	0.2	425.293
B 249.678	157.202	ppb	0.7823	0.5	2038.70
Ba 389.178	1398.41	ppb	2.1082	0.2	34050.5
Be 313.042	63.4261	ppb	0.0796	0.1	125143
Ca 370.602	43455	ppb	76.63	0.2	133433
Cd 226.502	58.0393	ppb	0.3022	0.5	4535.34
Co 228.615	171.721	ppb	0.2663	0.2	2060.13
Cr 267.716	516.999	ppb	0.5517	0.1	30042.0
Cu 324.754	749.895	ppb	2.5664	0.3	57781.8
Fe 271.441	374799	ppb	267.253	0.1	632789
K 766.491	11821.4	ppb	81.1956	0.7	570405
Mg 279.078	12621.9	ppb	6.2209	0.0	36325.8
Mn 257.610	15326.9	ppb	39.4569	0.3	3683299
Mo 202.032	105.830	ppb	1.3135	1.2	717.458
Na 330.237	5525.34	ppb	35.1441	0.6	156.665
Ni 231.604	264.860	ppb	2.2927	0.9	890.131
Pb 220.353	1717.18	ppb	6.4986	0.4	2795.04
Sb 206.834	30.0142	ppb	2.6326	8.8	50.6715
Se 196.026	88.2451	ppb	7.1905	8.1	56.8266
Sn 189.925	244.008	ppb	5.9934	2.5	179.472
Sr 216.596	244.280	ppb	0.1040	0.0	3468.52
Ti 334.941	904.357	ppb	1.5867	0.2	296631
Tl 190.794	36.0930	ppb	1.2065	3.3	-19.4362
V 292.401	573.288	ppb	1.4660	0.3	17126.5
Zn 206.200	3057.85	ppb	6.7864	0.2	3231.26

Cont Calib Verif (CCV) **2/4/2015, 7:30:23 PM** **Rack 1, Tube 49**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	473.526	468.900	473.152
Al 308.215	4708.34	4677.37	4685.80
As 188.980	483.250	474.489	478.374
B 249.678	474.291	471.296	472.932
Ba 389.178	4758.51	4720.04	4734.86
Be 313.042	485.233	479.459	481.461
Ca 370.602	4827	4789	4813
Cd 226.502	479.197	474.505	476.814
Co 228.615	487.900	482.284	484.056
Cr 267.716	4912.87	4877.48	4894.48
Cu 324.754	4959.29	4876.93	4946.21
Fe 271.441	4721.18	4688.31	4702.77
K 766.491	10280.0	10207.3	10190.4
Mg 279.078	4847.63	4815.72	4813.90
Mn 257.610	4912.41	4867.92	4874.69
Mo 202.032	477.867	474.037	474.912
Na 330.237	7229.45	7456.27	7296.11
Ni 231.604	2437.44	2419.38	2429.08
Pb 220.353	481.035	483.065	479.459
Sb 206.834	939.057	937.350	947.469
Se 196.026	4811.62	4776.36	4797.18
Sn 189.925	4813.74	4726.52	4768.14
Sr 216.596	2380.68	2359.14	2365.30
Ti 334.941	469.767	465.248	466.653

Label	Replicates Concentration		
Tl 190.794	4878.88	4849.33	4863.39
V 292.401	4828.90	4797.04	4803.52
Zn 206.200	2378.61	2367.00	2390.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	471.860	ppb	2.5696	0.5	43947.1	94.37192
Al 308.215	4690.50	ppb	16.0149	0.3	37535.7	93.81005
As 188.980	478.704	ppb	4.3895	0.9	328.952	95.74086
B 249.678	472.840	ppb	1.4998	0.3	9018.05	94.56798
Ba 389.178	4737.80	ppb	19.4014	0.4	114343	94.75603
Be 313.042	482.051	ppb	2.9319	0.6	953376	96.41019
Ca 370.602	4809	ppb	19.26	0.4	15515	96.18764
Cd 226.502	476.839	ppb	2.3462	0.5	21945.4	95.36771
Co 228.615	484.747	ppb	2.8711	0.6	5698.73	96.94935
Cr 267.716	4894.94	ppb	17.7035	0.4	281627	97.89889
Cu 324.754	4927.48	ppb	44.2591	0.9	377491	98.54958
Fe 271.441	4704.09	ppb	16.4710	0.4	8051.02	94.08174
K 766.491	10225.9	ppb	47.6092	0.5	493461	102.25887
Mg 279.078	4825.75	ppb	18.9706	0.4	13937.5	96.51499
Mn 257.610	4885.01	ppb	23.9698	0.5	1173617	97.70015
Mo 202.032	475.605	ppb	2.0069	0.4	3281.99	95.12110
Na 330.237	7327.28	ppb	116.578	1.6	372.104	97.69701
Ni 231.604	2428.63	ppb	9.0392	0.4	7898.41	97.14533
Pb 220.353	481.187	ppb	1.8076	0.4	789.088	96.23733
Sb 206.834	941.292	ppb	5.4169	0.6	1394.12	94.12920
Se 196.026	4795.05	ppb	17.7281	0.4	2318.65	95.90101
Sn 189.925	4769.47	ppb	43.6221	0.9	3620.77	95.38931
Sr 216.596	2368.37	ppb	11.0930	0.5	28703.5	94.73490
Ti 334.941	467.223	ppb	2.3125	0.5	153199	93.44450
Tl 190.794	4863.87	ppb	14.7832	0.3	5538.14	97.27734
V 292.401	4809.82	ppb	16.8359	0.4	145104	96.19637
Zn 206.200	2378.60	ppb	11.6022	0.5	2514.60	95.14412

Cont Calib Blank (CCB) **2/4/2015, 7:34:56 PM** **Rack 1, Tube 50**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1711	0.1998	-0.0687u
Al 308.215	4.1565	3.0453	3.0787
As 188.980	-3.3742u	-5.8681u	-1.7921u
B 249.678	1.7782	1.8260	1.7072
Ba 389.178	0.0414	0.4118	0.0150
Be 313.042	0.0211	0.0196	0.0215
Ca 370.602	4.102	-1.065u	1.772
Cd 226.502	-0.0576u	-0.0080u	0.0684
Co 228.615	-0.3518u	-0.2075u	-0.4339u
Cr 267.716	0.0021	0.1010	-0.1487u
Cu 324.754	-0.0425u	0.0550	0.0107
Fe 271.441	5.4324	4.8539	7.3225
K 766.491	-0.2160u	-0.9401u	-0.5172u
Mg 279.078	-1.7329u	0.2176	-3.6105u
Mn 257.610	0.2616	0.2424	0.2653
Mo 202.032	0.2017	0.0925	0.0094
Na 330.237	-68.2214u	82.2065	-24.6141u

Label	Replicates Concentration		
Ni 231.604	1.0417	0.4751	0.4723
Pb 220.353	2.3310	0.6719	-0.5058u
Sb 206.834	4.3720	2.5042	0.6708
Se 196.026	5.5406	-7.1610u	-0.8269u
Sn 189.925	3.7298	2.2454	1.0670
Sr 216.596	0.1981	-0.2789u	0.3331
Ti 334.941	0.1752	0.1399	0.1065
Tl 190.794	1.0516	2.7348	1.1702
V 292.401	0.3730	0.5622	0.3061
Zn 206.200	-0.8546u	-0.1677u	0.6738

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1007	ppb	0.1474	146.4	-0.4059	0.10073
Al 308.215	3.4268	ppb	0.6321	18.4	351.059	3.42683
As 188.980	-3.6781	ppb	2.0549	55.9	-6.8003	-3.67814
B 249.678	1.7705	ppb	0.0598	3.4	75.9924	1.77048
Ba 389.178	0.1561	ppb	0.2219	142.1	-41.7930	0.15609
Be 313.042	0.0207	ppb	0.0010	4.8	-296.750	0.02074
Ca 370.602	1.603	ppb	2.588	161.5	20.60	1.60267
Cd 226.502	0.0009	ppb	0.0635	6865.9	24.3785	0.00092
Co 228.615	-0.3310	ppb	0.1146	34.6	-4.7774	-0.33105
Cr 267.716	-0.0152	ppb	0.1257	827.7	29.8023	-0.01519
Cu 324.754	0.0077	ppb	0.0488	633.1	189.165	0.00771
Fe 271.441	5.8696	ppb	1.2910	22.0	15.8284	5.86960
K 766.491	-0.5577	ppb	0.3637	65.2	301.673	-0.55774
Mg 279.078	-1.7086	ppb	1.9141	112.0	13.5657	-1.70860
Mn 257.610	0.2564	ppb	0.0123	4.8	125.786	0.25643
Mo 202.032	0.1012	ppb	0.0965	95.3	6.3409	0.10121
Na 330.237	-3.5430	ppb	77.3960	2184.5	27.5244	-3.54303
Ni 231.604	0.6630	ppb	0.3279	49.5	-2.9554	0.66304
Pb 220.353	0.8324	ppb	1.4252	171.2	14.0394	0.83237
Sb 206.834	2.5156	ppb	1.8506	73.6	-0.3596	2.51564
Se 196.026	-0.8158	ppb	6.3508	778.5	6.6720	-0.81578
Sn 189.925	2.3474	ppb	1.3343	56.8	-4.2949	2.34742
Sr 216.596	0.0841	ppb	0.3215	382.4	3.2754	0.08409
Ti 334.941	0.1405	ppb	0.0344	24.5	6.3951	0.14053
Tl 190.794	1.6522	ppb	0.9394	56.9	-6.9722	1.65220
V 292.401	0.4138	ppb	0.1328	32.1	-0.6403	0.41376
Zn 206.200	-0.1162	ppb	0.7655	659.0	0.2502	-0.11616

680-109515-a-41-a (Samp) **2/4/2015, 7:39:30 PM** **Rack 1, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-1.2903u	-1.6995u	-1.2609u
Al 308.215	88272.6	88428.9	88035.9
As 188.980	312.864	310.604	310.478
B 249.678	21.5047u	22.4310u	22.2501u
Ba 389.178	884.098	887.042	882.986
Be 313.042	12.1555	12.2040	12.1382
Ca 370.602	25084	25179	24966
Cd 226.502	6.1062	6.2567	5.8281
Co 228.615	126.174	127.098	125.825
Cr 267.716	482.752	484.295	482.245

Label	Replicates Concentration		
Cu 324.754	256.732	258.078	255.386
Fe 271.441	369053	369468	366557
K 766.491	5475.76	5474.22	5458.77
Mg 279.078	6460.54	6482.54	6443.69
Mn 257.610	16332.7	16325.7	16271.4
Mo 202.032	15.1865	15.5661	15.7688
Na 330.237	390.903u	418.692u	618.915u
Ni 231.604	111.012	110.639	111.265
Pb 220.353	771.233	773.536	762.347
Sb 206.834	12.0245	11.8199	13.4080
Se 196.026	-9.7191	-17.5048u	-3.5032
Sn 189.925	38.7122	44.4559	47.0033
Sr 216.596	101.487	101.787	100.794
Ti 334.941	904.278	907.876	904.241
Tl 190.794	3.0711u	-3.4823u	2.1552u
V 292.401	490.373	492.208	488.789
Zn 206.200	1668.35	1666.36	1654.75

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4169	ppb	0.2452	17.3	-121.279
Al 308.215	88245.8	ppb	197.881	0.2	686429
As 188.980	311.315	ppb	1.3427	0.4	210.028
B 249.678	22.0619	ppb	0.4910	2.2	-509.633
Ba 389.178	884.708	ppb	2.0957	0.2	21631.4
Be 313.042	12.1659	ppb	0.0341	0.3	23751.3
Ca 370.602	25077	ppb	106.8	0.4	75662
Cd 226.502	6.0637	ppb	0.2175	3.6	2117.77
Co 228.615	126.366	ppb	0.6580	0.5	1529.52
Cr 267.716	483.097	ppb	1.0677	0.2	28094.5
Cu 324.754	256.732	ppb	1.3462	0.5	20009.3
Fe 271.441	368360	ppb	1575.05	0.4	621912
K 766.491	5469.58	ppb	9.3983	0.2	264093
Mg 279.078	6462.26	ppb	19.4796	0.3	18409.3
Mn 257.610	16309.9	ppb	33.5637	0.2	3919371
Mo 202.032	15.5071	ppb	0.2956	1.9	94.5814
Na 330.237	476.170	ppb	124.399	26.1	-85.7136
Ni 231.604	110.972	ppb	0.3149	0.3	388.828
Pb 220.353	769.039	ppb	5.9088	0.8	1273.86
Sb 206.834	12.4175	ppb	0.8639	7.0	26.5221
Se 196.026	-10.2424	ppb	7.0155	68.5	9.5505
Sn 189.925	43.3904	ppb	4.2470	9.8	26.9148
Sr 216.596	101.356	ppb	0.5097	0.5	1723.12
Ti 334.941	905.465	ppb	2.0881	0.2	296980
Tl 190.794	0.5813	ppb	3.5489	610.5	-58.2870
V 292.401	490.457	ppb	1.7109	0.3	14646.1
Zn 206.200	1663.15	ppb	7.3451	0.4	1751.56

680-109515-a-42-a (Samp) **2/4/2015, 7:44:03 PM** **Rack 1, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	-1.5454u	-2.5740u	-2.4732u
Al 308.215	113838	113542	113857
As 188.980	98.1611	105.127	105.840

Label	Replicates Concentration		
B 249.678	12.0710u	11.6940u	11.4567u
Ba 389.178	499.596	498.334	498.711
Be 313.042	8.0496	8.0211	8.0308
Ca 370.602	12128	12101	12133
Cd 226.502	-1.9729	-1.7349	-1.9069
Co 228.615	119.673	119.448	120.134
Cr 267.716	356.460	355.559	355.370
Cu 324.754	61.9326	62.0511	61.3083
Fe 271.441	252049	251409	251747
K 766.491	4030.40	4030.51	4030.67
Mg 279.078	5495.97	5483.62	5496.29
Mn 257.610	11010.6	10982.9	11025.8
Mo 202.032	10.4682	10.2338	10.6690
Na 330.237	113.079u	62.9703u	176.870u
Ni 231.604	62.3524	61.6255	61.0238
Pb 220.353	232.094	226.483	229.354
Sb 206.834	3.8869	2.6698	5.1983
Se 196.026	-6.9395	-3.8644	-2.4146
Sn 189.925	14.6311	16.3010	17.6063
Sr 216.596	52.4912	51.5996	51.9939
Ti 334.941	626.572	623.386	625.149
Tl 190.794	1.0803u	-0.8623u	2.4993u
V 292.401	372.090	371.237	371.511
Zn 206.200	203.517	202.384	206.016

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1975	ppb	0.5670	25.8	-200.310
Al 308.215	113746	ppb	176.388	0.2	884622
As 188.980	103.043	ppb	4.2428	4.1	65.7906
B 249.678	11.7406	ppb	0.3098	2.6	-397.987
Ba 389.178	498.880	ppb	0.6481	0.1	12218.8
Be 313.042	8.0338	ppb	0.0145	0.2	15576.2
Ca 370.602	12121	ppb	17.06	0.1	35917
Cd 226.502	-1.8716	ppb	0.1229	6.6	1178.27
Co 228.615	119.752	ppb	0.3495	0.3	1437.49
Cr 267.716	355.797	ppb	0.5827	0.2	20684.7
Cu 324.754	61.7640	ppb	0.3991	0.6	5027.16
Fe 271.441	251735	ppb	319.986	0.1	425018
K 766.491	4030.53	ppb	0.1395	0.0	194697
Mg 279.078	5491.96	ppb	7.2243	0.1	15695.3
Mn 257.610	11006.4	ppb	21.7340	0.2	2644952
Mo 202.032	10.4570	ppb	0.2178	2.1	65.4174
Na 330.237	117.640	ppb	57.0869	48.5	-38.7088
Ni 231.604	61.6672	ppb	0.6653	1.1	217.913
Pb 220.353	229.311	ppb	2.8056	1.2	398.404
Sb 206.834	3.9183	ppb	1.2645	32.3	10.6985
Se 196.026	-4.4062	ppb	2.3106	52.4	9.9793
Sn 189.925	16.1795	ppb	1.4913	9.2	6.2230
Sr 216.596	52.0282	ppb	0.4468	0.9	967.650
Ti 334.941	625.035	ppb	1.5959	0.3	204995
Tl 190.794	0.9057	ppb	1.6876	186.3	-41.9552
V 292.401	371.613	ppb	0.4353	0.1	11105.4
Zn 206.200	203.972	ppb	1.8584	0.9	207.429

680-109515-a-43-a (Samp) **2/4/2015, 7:48:37 PM** **Rack 1, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	-1.0169u	-1.3348u	-1.6121u
Al 308.215	107577	107080	107349
As 188.980	66.3759	68.5619	65.1384
B 249.678	11.8518u	12.7315u	12.0751u
Ba 389.178	447.296	445.297	444.829
Be 313.042	4.7186	4.6955	4.6997
Ca 370.602	12648	12560	12577
Cd 226.502	-1.4203	-1.3171	-1.4517
Co 228.615	95.3386	95.6530	95.7868
Cr 267.716	195.263	193.421	194.227
Cu 324.754	61.5363	61.2353	61.2026
Fe 271.441	171432	170559	171026
K 766.491	4552.79	4525.43	4553.85
Mg 279.078	5773.78	5744.00	5766.77
Mn 257.610	5030.01	4996.47	5018.04
Mo 202.032	7.0578	7.7969	8.1187
Na 330.237	114.667u	263.171u	179.826u
Ni 231.604	49.7835	49.0301	50.6364
Pb 220.353	156.248	154.152	154.301
Sb 206.834	-0.3585	1.1932	-2.3832
Se 196.026	-7.3814u	-4.0628	7.3240
Sn 189.925	20.2005	17.8943	16.6282
Sr 216.596	52.4683	51.9027	52.1762
Ti 334.941	604.578	601.944	603.402
Tl 190.794	0.2695u	4.8451u	4.0226u
V 292.401	268.191	267.038	267.620
Zn 206.200	158.712	156.427	159.137

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3213	ppb	0.2978	22.5	-137.675
Al 308.215	107335	ppb	248.477	0.2	834765
As 188.980	66.6921	ppb	1.7335	2.6	41.0300
B 249.678	12.2195	ppb	0.4573	3.7	-176.435
Ba 389.178	445.807	ppb	1.3101	0.3	10871.0
Be 313.042	4.7046	ppb	0.0123	0.3	8989.48
Ca 370.602	12595	ppb	46.49	0.4	38154
Cd 226.502	-1.3964	ppb	0.0704	5.0	802.504
Co 228.615	95.5928	ppb	0.2301	0.2	1147.30
Cr 267.716	194.304	ppb	0.9238	0.5	11322.4
Cu 324.754	61.3248	ppb	0.1839	0.3	4958.51
Fe 271.441	171006	ppb	436.962	0.3	288722
K 766.491	4544.02	ppb	16.1126	0.4	219459
Mg 279.078	5761.52	ppb	15.5736	0.3	16613.7
Mn 257.610	5014.84	ppb	17.0006	0.3	1205365
Mo 202.032	7.6578	ppb	0.5440	7.1	50.0528
Na 330.237	185.888	ppb	74.4372	40.0	-12.0375
Ni 231.604	49.8167	ppb	0.8037	1.6	172.166
Pb 220.353	154.900	ppb	1.1698	0.8	272.244
Sb 206.834	-0.5162	ppb	1.7934	347.4	0.8589
Se 196.026	-1.3734	ppb	7.7128	561.6	9.2337
Sn 189.925	18.2410	ppb	1.8112	9.9	7.7908
Sr 216.596	52.1824	ppb	0.2829	0.5	864.155

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	603.308	ppb	1.3196	0.2	197859
Tl 190.794	3.0457	ppb	2.4392	80.1	-29.8203
V 292.401	267.616	ppb	0.5763	0.2	8002.26
Zn 206.200	158.092	ppb	1.4577	0.9	161.846

680-109515-a-45-a (Samp) **2/4/2015, 7:53:11 PM** **Rack 1, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	-5.5966u	-5.6929u	-5.5837u
Al 308.215	100796	100814	100807
As 188.980	171.830	179.779	167.455
B 249.678	6.7326u	5.8007u	6.5602u
Ba 389.178	4993.37	4994.89	5002.56
Be 313.042	19.9214	19.9468	19.9470
Ca 370.602	19120	19144	19149
Cd 226.502	-0.9886	-0.7391	-0.6254
Co 228.615	191.365	190.894	191.521
Cr 267.716	285.342	285.930	286.144
Cu 324.754	106.849	107.192	107.518
Fe 271.441	264884	265137	265164
K 766.491	5348.49	5354.67	5364.14
Mg 279.078	3901.32	3907.94	3904.74
Mn 257.610	58309.5x	58388.0x	58385.3x
Mo 202.032	17.7591	17.4990	18.3333
Na 330.237	228.760u	76.3029u	57.1880u
Ni 231.604	84.3374	85.5286	83.8454
Pb 220.353	704.038	702.181	705.635
Sb 206.834	5.5311	7.3581	7.5729
Se 196.026	-5.3262	3.3031	-3.1691
Sn 189.925	22.2234	25.4930	27.1206
Sr 216.596	111.849	111.817	112.303
Ti 334.941	731.926	732.974	734.367
Tl 190.794	20.4629	18.5101	19.1178
V 292.401	402.293	403.475	403.729
Zn 206.200	552.229	547.239	548.829

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.6244b	ppb	0.0597	1.1	-255.341
Al 308.215	100806b	ppb	8.9347	0.0	784039
As 188.980	173.021b	ppb	6.2477	3.6	114.429
B 249.678	6.3645b	ppb	0.4958	7.8	-535.421
Ba 389.178	4996.94b	ppb	4.9226	0.1	120799
Be 313.042	19.9384b	ppb	0.0147	0.1	39109.3
Ca 370.602	19138b	ppb	15.43	0.1	59238
Cd 226.502	-0.7844b	ppb	0.1858	23.7	1294.32
Co 228.615	191.260b	ppb	0.3261	0.2	2280.42
Cr 267.716	285.805b	ppb	0.4152	0.1	16909.5
Cu 324.754	107.186b	ppb	0.3345	0.3	8511.58
Fe 271.441	265062b	ppb	154.749	0.1	447525
K 766.491	5355.76b	ppb	7.8815	0.1	258605
Mg 279.078	3904.67b	ppb	3.3078	0.1	10040.1
Mn 257.610	58360.9xb	ppb	44.5599	0.1	14020667
Mo 202.032	17.8638b	ppb	0.4269	2.4	115.852

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	120.750b	ppb	94.0260	77.9	-50.4964
Ni 231.604	84.5705b	ppb	0.8655	1.0	293.470
Pb 220.353	703.951b	ppb	1.7285	0.2	1170.89
Sb 206.834	6.8207b	ppb	1.1220	16.4	14.1105
Se 196.026	-1.7307b	ppb	4.4909	259.5	22.8018
Sn 189.925	24.9457b	ppb	2.4941	10.0	12.8890
Sr 216.596	111.990b	ppb	0.2720	0.2	1715.44
Ti 334.941	733.089b	ppb	1.2244	0.2	240429
Tl 190.794	19.3636b	ppb	0.9994	5.2	2.2234
V 292.401	403.166b	ppb	0.7667	0.2	12056.7
Zn 206.200	549.433b	ppb	2.5494	0.5	573.683

680-109515-a-46-a (Samp) **2/4/2015, 7:57:44 PM** **Rack 1, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-4.5762u	-4.4020u	-4.6091u
Al 308.215	97026.4	97756.9	97539.0
As 188.980	63.5846	58.6794	55.1106
B 249.678	8.2469u	8.5380u	8.9083u
Ba 389.178	1284.31	1289.88	1289.21
Be 313.042	13.4280	13.4755	13.4455
Ca 370.602	13394	13484	13484
Cd 226.502	-1.6399	-1.4964	-1.4723
Co 228.615	88.8177	88.7031	89.0177
Cr 267.716	144.186	145.038	144.384
Cu 324.754	69.8481	70.0746	69.2603
Fe 271.441	152116	152949	152530
K 766.491	4116.39	4137.84	4119.98
Mg 279.078	4009.43	4028.63	4019.57
Mn 257.610	24906.6	25020.4	25067.4
Mo 202.032	9.8830	10.0199	10.0040
Na 330.237	39.2740u	-73.0212u	10.9030u
Ni 231.604	55.8515	57.5749	55.0027
Pb 220.353	163.547	165.086	167.212
Sb 206.834	2.4524	3.7892	-1.4534
Se 196.026	-4.3640	-1.1463	-1.9359
Sn 189.925	13.2226	14.5332	15.4811
Sr 216.596	72.0877	72.4023	72.6439
Ti 334.941	507.449	509.459	508.513
Tl 190.794	6.5410u	5.1685u	5.0136u
V 292.401	243.836	245.161	245.120
Zn 206.200	168.503	169.162	166.385

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.5291	ppb	0.1113	2.5	-320.589
Al 308.215	97440.8	ppb	375.047	0.4	757843
As 188.980	59.1249	ppb	4.2546	7.2	35.8865
B 249.678	8.5644	ppb	0.3315	3.9	-197.032
Ba 389.178	1287.80	ppb	3.0442	0.2	31175.2
Be 313.042	13.4496	ppb	0.0241	0.2	26279.7
Ca 370.602	13454	ppb	52.21	0.4	41584
Cd 226.502	-1.5362	ppb	0.0906	5.9	704.972
Co 228.615	88.8462	ppb	0.1592	0.2	1064.53

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	144.536	ppb	0.4464	0.3	8552.88
Cu 324.754	69.7277	ppb	0.4203	0.6	5594.08
Fe 271.441	152531	ppb	416.605	0.3	257531
K 766.491	4124.73	ppb	11.4906	0.3	199240
Mg 279.078	4019.21	ppb	9.6089	0.2	11111.6
Mn 257.610	24998.1	ppb	82.7085	0.3	6005751
Mo 202.032	9.9690	ppb	0.0749	0.8	66.9064
Na 330.237	-7.6148	ppb	58.3930	766.8	-17.9387
Ni 231.604	56.1430	ppb	1.3107	2.3	191.110
Pb 220.353	165.282	ppb	1.8402	1.1	291.956
Sb 206.834	1.5960	ppb	2.7242	170.7	2.8785
Se 196.026	-2.4821	ppb	1.6769	67.6	13.3333
Sn 189.925	14.4123	ppb	1.1341	7.9	4.8793
Sr 216.596	72.3780	ppb	0.2789	0.4	1085.28
Ti 334.941	508.474	ppb	1.0053	0.2	166751
Tl 190.794	5.5744	ppb	0.8407	15.1	-13.4095
V 292.401	244.706	ppb	0.7531	0.3	7318.21
Zn 206.200	168.017	ppb	1.4511	0.9	173.111

680-109515-a-47-a (Samp) **2/4/2015, 8:02:19 PM** **Rack 1, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	-2.2243u	-2.5461u	-1.9886u
Al 308.215	133113	133410	133152
As 188.980	91.0256	101.105	96.3771
B 249.678	10.1691u	9.7015u	10.4352u
Ba 389.178	467.042	469.355	467.002
Be 313.042	10.1682	10.1910	10.1520
Ca 370.602	14958	14965	14908
Cd 226.502	-2.7245	-2.4181	-2.2991
Co 228.615	45.3743	45.3715	46.0521
Cr 267.716	320.932	320.475	321.011
Cu 324.754	89.7218	90.0487	89.4904
Fe 271.441	263005	263159	262720
K 766.491	5359.80	5371.63	5357.08
Mg 279.078	5570.10	5565.08	5566.15
Mn 257.610	3756.92	3771.62	3767.14
Mo 202.032	12.1949	11.9148	12.7074
Na 330.237	52.1288u	111.337u	37.1639u
Ni 231.604	63.7323	63.0338	63.2822
Pb 220.353	135.008	134.944	134.762
Sb 206.834	2.2902	6.8653	6.9994
Se 196.026	-8.6675u	2.7945	-6.1223
Sn 189.925	19.1520	15.2879	17.8027
Sr 216.596	65.6463	64.8447	65.2709
Ti 334.941	526.187	528.132	526.468
Tl 190.794	0.0762u	4.0296u	2.1764u
V 292.401	393.858	393.397	392.849
Zn 206.200	206.646	209.340	207.612

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2530	ppb	0.2799	12.4	-249.141
Al 308.215	133225	ppb	161.265	0.1	1036050

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	96.1694	ppb	5.0431	5.2	60.9238
B 249.678	10.1019	ppb	0.3714	3.7	-459.664
Ba 389.178	467.800	ppb	1.3471	0.3	11478.6
Be 313.042	10.1704	ppb	0.0196	0.2	19808.1
Ca 370.602	14944	ppb	31.25	0.2	44423
Cd 226.502	-2.4806	ppb	0.2195	8.8	1207.74
Co 228.615	45.5993	ppb	0.3922	0.9	564.962
Cr 267.716	320.806	ppb	0.2896	0.1	18639.8
Cu 324.754	89.7536	ppb	0.2805	0.3	7175.63
Fe 271.441	262961	ppb	222.424	0.1	443961
K 766.491	5362.84	ppb	7.7357	0.1	258946
Mg 279.078	5567.11	ppb	2.6424	0.0	16065.6
Mn 257.610	3765.23	ppb	7.5345	0.2	905481
Mo 202.032	12.2724	ppb	0.4019	3.3	77.3674
Na 330.237	66.8767	ppb	39.2244	58.7	-44.6977
Ni 231.604	63.3494	ppb	0.3541	0.6	224.631
Pb 220.353	134.904	ppb	0.1278	0.1	245.956
Sb 206.834	5.3850	ppb	2.6810	49.8	12.5274
Se 196.026	-3.9984	ppb	6.0189	150.5	8.5444
Sn 189.925	17.4142	ppb	1.9612	11.3	7.1619
Sr 216.596	65.2540	ppb	0.4011	0.6	1144.58
Ti 334.941	526.929	ppb	1.0516	0.2	172824
Tl 190.794	2.0941	ppb	1.9780	94.5	-46.5066
V 292.401	393.368	ppb	0.5052	0.1	11758.9
Zn 206.200	207.866	ppb	1.3649	0.7	211.229

680-109515-a-48-a (Samp) **2/4/2015, 8:06:53 PM** **Rack 1, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	10.3765	10.5136	9.8322
Al 308.215	121299	121299	121436
As 188.980	509.241	505.150	509.038
B 249.678	106.592	107.207	106.616
Ba 389.178	1949.93	1949.74	1954.47
Be 313.042	7.4407	7.4382	7.4551
Ca 370.602	196313	196361	197883
Cd 226.502	2.5261	2.6571	2.6750
Co 228.615	52.8215	53.5164	52.4305
Cr 267.716	335.771	335.508	336.008
Cu 324.754	543.905	543.982	545.732
Fe 271.441	437232	435477	435874
K 766.491	16585.9	16626.0	16554.0
Mg 279.078	28568.4	28549.2	28608.0
Mn 257.610	24000.1	23932.2	24037.7
Mo 202.032	20.5166	20.7729	19.6440
Na 330.237	2053.13u	2071.66u	1917.01u
Ni 231.604	153.202	156.367	155.661
Pb 220.353	1271.25	1275.57	1284.82
Sb 206.834	11.1407	7.6430	18.6051
Se 196.026	-4.1517	-10.1607	-2.4107
Sn 189.925	106.983	108.095	106.410
Sr 216.596	775.800	773.494	774.763
Ti 334.941	7905.26	7899.12	7921.34

Label	Replicates Concentration		
Tl 190.794	6.1824u	-1.7500u	1.8075u
V 292.401	1089.53	1088.09	1088.24
Zn 206.200	1807.91	1807.73	1818.83

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.2408	ppb	0.3604	3.5	972.231
Al 308.215	121345	ppb	78.9099	0.1	943829
As 188.980	507.809	ppb	2.3056	0.5	346.399
B 249.678	106.805	ppb	0.3481	0.3	919.761
Ba 389.178	1951.38	ppb	2.6812	0.1	47485.6
Be 313.042	7.4446	ppb	0.0091	0.1	14508.0
Ca 370.602	196853	ppb	893.0	0.5	619406
Cd 226.502	2.6194	ppb	0.0813	3.1	2281.44
Co 228.615	52.9228	ppb	0.5500	1.0	822.907
Cr 267.716	335.762	ppb	0.2500	0.1	19701.5
Cu 324.754	544.540	ppb	1.0331	0.2	42071.7
Fe 271.441	436194	ppb	920.645	0.2	736431
K 766.491	16588.6	ppb	36.0945	0.2	800297
Mg 279.078	28575.2	ppb	30.0283	0.1	82509.5
Mn 257.610	23990.0	ppb	53.4710	0.2	5764728
Mo 202.032	20.3111	ppb	0.5918	2.9	123.841
Na 330.237	2013.93	ppb	84.4480	4.2	-23.3163
Ni 231.604	155.077	ppb	1.6615	1.1	538.630
Pb 220.353	1277.21	ppb	6.9329	0.5	2091.32
Sb 206.834	12.4629	ppb	5.5994	44.9	25.8933
Se 196.026	-5.5744	ppb	4.0662	72.9	14.2915
Sn 189.925	107.163	ppb	0.8566	0.8	75.4094
Sr 216.596	774.685	ppb	1.1551	0.1	10054.4
Ti 334.941	7908.57	ppb	11.4735	0.1	2593747
Tl 190.794	2.0799	ppb	3.9732	191.0	-62.6949
V 292.401	1088.62	ppb	0.7892	0.1	32772.7
Zn 206.200	1811.49	ppb	6.3564	0.4	1906.92

680-109515-a-49-a (Samp) **2/4/2015, 8:11:29 PM** **Rack 1, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	1.4467	1.2170	1.4752
Al 308.215	133631	134270	134398
As 188.980	152.849	145.598	149.320
B 249.678	23.4975u	22.5439u	22.9707u
Ba 389.178	1611.09	1620.69	1616.63
Be 313.042	10.7584	10.8091	10.7976
Ca 370.602	35732	36056	36072
Cd 226.502	1.4691	1.6247	1.1368
Co 228.615	45.6329	46.8074	45.9043
Cr 267.716	234.838	235.895	235.477
Cu 324.754	245.009	244.913	245.613
Fe 271.441	235597	236972	236776
K 766.491	7946.20	7985.43	8000.17
Mg 279.078	14262.8	14316.2	14314.8
Mn 257.610	6736.06	6787.69	6772.07
Mo 202.032	9.5367	9.9407	8.9311
Na 330.237	1045.05u	908.545u	848.293u

Label	Replicates Concentration		
Ni 231.604	71.2788	72.0237	73.5057
Pb 220.353	566.701	572.796	568.372
Sb 206.834	10.6658	9.7355	1.3203
Se 196.026	-6.8315	-0.9020	-4.1454
Sn 189.925	52.2396	49.6719	52.1403
Sr 216.596	183.396	183.268	182.938
Ti 334.941	469.246	470.377	470.092
Tl 190.794	-0.1037u	-0.4881u	3.8481u
V 292.401	302.030	303.568	303.073
Zn 206.200	1283.15	1294.52	1289.92

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.3797	ppb	0.1416	10.3	106.852
Al 308.215	134100	ppb	410.679	0.3	1042834
As 188.980	149.256	ppb	3.6260	2.4	98.0770
B 249.678	23.0040	ppb	0.4777	2.1	-144.316
Ba 389.178	1616.14	ppb	4.8183	0.3	39193.9
Be 313.042	10.7884	ppb	0.0266	0.2	21032.5
Ca 370.602	35954	ppb	191.8	0.5	110941
Cd 226.502	1.4102	ppb	0.2492	17.7	1254.70
Co 228.615	46.1149	ppb	0.6149	1.3	567.767
Cr 267.716	235.404	ppb	0.5323	0.2	13728.9
Cu 324.754	245.178	ppb	0.3791	0.2	19067.5
Fe 271.441	236448	ppb	743.533	0.3	399200
K 766.491	7977.27	ppb	27.8952	0.3	385024
Mg 279.078	14297.9	ppb	30.3933	0.2	41379.9
Mn 257.610	6765.27	ppb	26.4759	0.4	1626149
Mo 202.032	9.4695	ppb	0.5081	5.4	59.3997
Na 330.237	933.963	ppb	100.811	10.8	-15.8961
Ni 231.604	72.2694	ppb	1.1336	1.6	251.261
Pb 220.353	569.290	ppb	3.1493	0.6	941.776
Sb 206.834	7.2405	ppb	5.1481	71.1	13.6394
Se 196.026	-3.9596	ppb	2.9691	75.0	9.0301
Sn 189.925	51.3506	ppb	1.4546	2.8	32.9684
Sr 216.596	183.201	ppb	0.2361	0.1	2549.81
Ti 334.941	469.905	ppb	0.5880	0.1	154136
Tl 190.794	1.0854	ppb	2.4002	221.1	-41.8606
V 292.401	302.890	ppb	0.7848	0.3	9038.11
Zn 206.200	1289.20	ppb	5.7195	0.4	1359.78

680-109515-a-50-a (Samp) **2/4/2015, 8:16:04 PM** **Rack 1, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.3690u	-2.8197u	-2.7108u
Al 308.215	149618	149637	149371
As 188.980	93.6398	90.2928	89.5979
B 249.678	18.6911u	19.1982u	18.5906u
Ba 389.178	1225.93	1226.41	1223.50
Be 313.042	11.9052	11.9040	11.8600
Ca 370.602	39713	39516	39366
Cd 226.502	-0.0789	-0.0455	0.1034
Co 228.615	54.2151	53.7572	53.5171
Cr 267.716	190.928	190.775	189.903

Label	Replicates Concentration		
Cu 324.754	75.9141	74.0805	75.6100
Fe 271.441	180184	179768	179617
K 766.491	5607.21	5614.35	5616.83
Mg 279.078	16010.7	16031.2	16002.1
Mn 257.610	8541.84	8520.74	8515.83
Mo 202.032	5.2783	5.4268	5.8386
Na 330.237	601.792u	405.530u	642.135u
Ni 231.604	61.1873	62.0965	62.1420
Pb 220.353	277.314	275.719	280.090
Sb 206.834	3.1377	1.2194	1.1138
Se 196.026	-2.2377	4.7386	-0.0547
Sn 189.925	17.6623	21.1136	23.4004
Sr 216.596	120.063	120.725	120.145
Ti 334.941	306.521	306.762	306.366
Tl 190.794	0.6033u	-0.3936u	1.5276u
V 292.401	308.564	307.628	308.454
Zn 206.200	440.330	440.543	438.588

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.6332	ppb	0.2351	8.9	-244.243
Al 308.215	149542	ppb	148.334	0.1	1162867
As 188.980	91.1768	ppb	2.1611	2.4	58.0204
B 249.678	18.8267	ppb	0.3257	1.7	-74.6439
Ba 389.178	1225.28	ppb	1.5630	0.1	29716.2
Be 313.042	11.8897	ppb	0.0257	0.2	23216.9
Ca 370.602	39532	ppb	173.9	0.4	122825
Cd 226.502	-0.0070	ppb	0.0970	1386.3	911.065
Co 228.615	53.8298	ppb	0.3546	0.7	650.944
Cr 267.716	190.535	ppb	0.5526	0.3	11127.6
Cu 324.754	75.2015	ppb	0.9827	1.3	6024.54
Fe 271.441	179856	ppb	293.540	0.2	303659
K 766.491	5612.79	ppb	4.9964	0.1	271000
Mg 279.078	16014.6	ppb	14.9386	0.1	46325.4
Mn 257.610	8526.14	ppb	13.8191	0.2	2048979
Mo 202.032	5.5146	ppb	0.2903	5.3	34.7940
Na 330.237	549.819	ppb	126.576	23.0	-1.2733
Ni 231.604	61.8086	ppb	0.5385	0.9	212.127
Pb 220.353	277.708	ppb	2.2119	0.8	470.226
Sb 206.834	1.8237	ppb	1.1392	62.5	4.3649
Se 196.026	0.8154	ppb	3.5686	437.7	11.2180
Sn 189.925	20.7254	ppb	2.8887	13.9	9.6801
Sr 216.596	120.311	ppb	0.3611	0.3	1713.45
Ti 334.941	306.549	ppb	0.1996	0.1	100559
Tl 190.794	0.5791	ppb	0.9608	165.9	-32.2651
V 292.401	308.215	ppb	0.5120	0.2	9224.38
Zn 206.200	439.820	ppb	1.0722	0.2	460.500

680-109515-a-51-a (Samp) **2/4/2015, 8:20:40 PM** **Rack 1, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	-1.5046u	-1.5215u	-1.5249u
Al 308.215	178278	176919	177638
As 188.980	31.0553	26.7914	29.3885

Label	Replicates Concentration		
B 249.678	13.1979u	12.9175u	12.8153u
Ba 389.178	772.964	766.396	769.615
Be 313.042	11.0687	10.9906	11.0411
Ca 370.602	73945	73096	73567
Cd 226.502	-0.2802	-0.1252	-0.2330
Co 228.615	21.4258	21.0545	21.7877
Cr 267.716	188.049	186.622	187.146
Cu 324.754	34.5745	34.1341	34.2687
Fe 271.441	123458	122431	122960
K 766.491	4193.04	4181.68	4209.42
Mg 279.078	24673.5	24477.3	24574.9
Mn 257.610	1436.70	1425.72	1430.26
Mo 202.032	1.0461	1.1478	1.4557
Na 330.237	1096.63	1038.55	1133.23
Ni 231.604	51.1922	53.4542	52.4576
Pb 220.353	110.885	120.408	115.936
Sb 206.834	-1.4034	2.1245	3.2173
Se 196.026	-6.1938u	1.2925	-7.5652u
Sn 189.925	15.6239	17.7966	20.2705
Sr 216.596	94.9877	95.0022	94.0116
Ti 334.941	209.249	207.895	209.128
Tl 190.794	-0.3639u	-2.7135u	2.1069u
V 292.401	204.070	202.960	203.911
Zn 206.200	277.325	276.888	279.480

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5170	ppb	0.0109	0.7	-169.041
Al 308.215	177612	ppb	679.852	0.4	1381048
As 188.980	29.0784	ppb	2.1488	7.4	15.1685
B 249.678	12.9769	ppb	0.1981	1.5	-35.0400
Ba 389.178	769.658	ppb	3.2841	0.4	18689.9
Be 313.042	11.0334	ppb	0.0396	0.4	21537.2
Ca 370.602	73536	ppb	425.3	0.6	230304
Cd 226.502	-0.2128	ppb	0.0794	37.3	620.190
Co 228.615	21.4227	ppb	0.3666	1.7	264.260
Cr 267.716	187.272	ppb	0.7218	0.4	10875.4
Cu 324.754	34.3258	ppb	0.2257	0.7	2869.80
Fe 271.441	122950	ppb	513.731	0.4	207581
K 766.491	4194.71	ppb	13.9498	0.3	202614
Mg 279.078	24575.2	ppb	98.0922	0.4	71356.7
Mn 257.610	1430.90	ppb	5.5168	0.4	344415
Mo 202.032	1.2166	ppb	0.2133	17.5	7.9696
Na 330.237	1089.47	ppb	47.7431	4.4	47.7535
Ni 231.604	52.3680	ppb	1.1336	2.2	176.370
Pb 220.353	115.743	ppb	4.7643	4.1	204.632
Sb 206.834	1.3128	ppb	2.4149	184.0	2.5986
Se 196.026	-4.1555	ppb	4.7677	114.7	6.5731
Sn 189.925	17.8970	ppb	2.3250	13.0	7.5296
Sr 216.596	94.6672	ppb	0.5677	0.6	1340.25
Ti 334.941	208.757	ppb	0.7493	0.4	68498.6
Tl 190.794	-0.3235	ppb	2.4105	745.1	-28.0219
V 292.401	203.647	ppb	0.6004	0.3	6085.89
Zn 206.200	277.898	ppb	1.3876	0.5	290.656

Cont Calib Verif (CCV) **2/4/2015, 8:25:14 PM** **Rack 2, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	457.917	466.197	469.990
Al 308.215	4595.35	4688.36	4683.91
As 188.980	453.764	475.670	479.686
B 249.678	463.487	472.716	472.866
Ba 389.178	4610.94	4706.16	4703.16
Be 313.042	473.239	479.683	480.773
Ca 370.602	4680	4775	4770
Cd 226.502	466.478	475.625	475.051
Co 228.615	474.040	482.314	482.836
Cr 267.716	4783.80	4872.75	4877.85
Cu 324.754	4797.03	4916.31	4939.90
Fe 271.441	4595.08	4679.40	4677.30
K 766.491	9992.87	10212.6	10222.0
Mg 279.078	4743.94	4831.10	4836.36
Mn 257.610	4777.32	4871.78	4880.83
Mo 202.032	461.771	474.065	471.317
Na 330.237	7249.29	7267.36	7333.48
Ni 231.604	2382.05	2424.62	2419.07
Pb 220.353	472.012	470.748	481.673
Sb 206.834	911.292	931.176	935.771
Se 196.026	4682.25	4791.57	4804.63
Sn 189.925	4656.02	4778.61	4767.65
Sr 216.596	2321.59	2359.34	2359.92
Ti 334.941	456.873	465.573	465.640
Tl 190.794	4741.57	4834.20	4835.40
V 292.401	4709.00	4791.95	4797.52
Zn 206.200	2339.00	2378.60	2375.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	464.701	ppb	6.1742	1.3	43279.9	92.94028
Al 308.215	4655.87	ppb	52.4628	1.1	37259.1	93.11740
As 188.980	469.707	ppb	13.9519	3.0	322.688	93.94132
B 249.678	469.690	ppb	5.3719	1.1	8958.20	93.93797
Ba 389.178	4673.42	ppb	54.1303	1.2	112788	93.46840
Be 313.042	477.898	ppb	4.0718	0.9	945160	95.57963
Ca 370.602	4741	ppb	53.31	1.1	15298	94.82628
Cd 226.502	472.385	ppb	5.1236	1.1	21740.6	94.47691
Co 228.615	479.730	ppb	4.9345	1.0	5639.78	95.94604
Cr 267.716	4844.80	ppb	52.8917	1.1	278742	96.89602
Cu 324.754	4884.41	ppb	76.5894	1.6	374193	97.68821
Fe 271.441	4650.59	ppb	48.0843	1.0	7959.69	93.01189
K 766.491	10142.5	ppb	129.670	1.3	489440	101.42501
Mg 279.078	4803.80	ppb	51.9110	1.1	13874.6	96.07603
Mn 257.610	4843.31	ppb	57.3292	1.2	1163600	96.86618
Mo 202.032	469.051	ppb	6.4526	1.4	3236.81	93.81020
Na 330.237	7283.38	ppb	44.3218	0.6	370.013	97.11169
Ni 231.604	2408.58	ppb	23.1423	1.0	7833.16	96.34337
Pb 220.353	474.811	ppb	5.9765	1.3	778.821	94.96221
Sb 206.834	926.080	ppb	13.0111	1.4	1371.97	92.60798
Se 196.026	4759.48	ppb	67.2032	1.4	2301.50	95.18969
Sn 189.925	4734.09	ppb	67.8361	1.4	3593.87	94.68182
Sr 216.596	2346.95	ppb	21.9633	0.9	28443.9	93.87796

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	462.695	ppb	5.0427	1.1	151714	92.53905
Tl 190.794	4803.72	ppb	53.8304	1.1	5469.58	96.07449
V 292.401	4766.15	ppb	49.5770	1.0	143787	95.32307
Zn 206.200	2364.22	ppb	21.9107	0.9	2499.42	94.56866

Cont Calib Blank (CCB) **2/4/2015, 8:29:48 PM** **Rack 2, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.0246	0.1704	0.0787
Al 308.215	4.8684	3.3059	3.0396
As 188.980	-1.3627u	-4.4709u	-5.6377u
B 249.678	1.5971	1.6628	1.4875
Ba 389.178	-0.1034u	-0.4282u	0.3150
Be 313.042	0.0130	0.0078	0.0151
Ca 370.602	3.807	4.610	3.516
Cd 226.502	0.0125	-0.0573u	-0.0362u
Co 228.615	-0.2652u	-0.1850u	0.3402
Cr 267.716	0.0449	0.0270	0.0887
Cu 324.754	0.1654	0.0663	0.1590
Fe 271.441	-2.2002u	2.5721	3.2571
K 766.491	-0.7750u	-0.6491u	0.0130
Mg 279.078	1.8247	2.2186	1.1017
Mn 257.610	0.1393	0.1552	0.1461
Mo 202.032	0.0460	-0.0245u	0.1415
Na 330.237	197.543	74.7868	-109.895u
Ni 231.604	-0.1733u	0.3210	0.4418
Pb 220.353	1.1157	2.1588	-2.0114u
Sb 206.834	3.1381	3.5338	0.6313
Se 196.026	2.3819	-0.4842u	-1.9562u
Sn 189.925	2.9947	-0.0374u	1.6391
Sr 216.596	-0.0364u	-0.0733u	0.1061
Ti 334.941	0.1264	0.1319	0.1470
Tl 190.794	1.0795	-0.4686u	5.0814
V 292.401	0.2223	0.3523	0.3768
Zn 206.200	0.4855	0.7326	0.3445

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0912	ppb	0.0737	80.8	-1.2958	0.09121
Al 308.215	3.7380	ppb	0.9880	26.4	353.464	3.73797
As 188.980	-3.8238	ppb	2.2098	57.8	-6.9017	-3.82376
B 249.678	1.5825	ppb	0.0886	5.6	72.4162	1.58246
Ba 389.178	-0.0722	ppb	0.3726	515.9	-47.2997	-0.07222
Be 313.042	0.0120	ppb	0.0038	31.5	-314.057	0.01199
Ca 370.602	3.978	ppb	0.5666	14.2	28.09	3.97757
Cd 226.502	-0.0270	ppb	0.0358	132.7	23.0931	-0.02699
Co 228.615	-0.0367	ppb	0.3288	896.5	-1.3171	-0.03668
Cr 267.716	0.0535	ppb	0.0318	59.3	33.7572	0.05354
Cu 324.754	0.1302	ppb	0.0555	42.6	198.548	0.13023
Fe 271.441	1.2097	ppb	2.9728	245.8	8.0018	1.20968
K 766.491	-0.4704	ppb	0.4233	90.0	305.887	-0.47036
Mg 279.078	1.7150	ppb	0.5665	33.0	23.5201	1.71499
Mn 257.610	0.1469	ppb	0.0079	5.4	99.4859	0.14688
Mo 202.032	0.0543	ppb	0.0833	153.3	6.0176	0.05435

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	54.1448	ppb	154.755	285.8	30.6838	54.14483
Ni 231.604	0.1965	ppb	0.3259	165.8	-4.4747	0.19652
Pb 220.353	0.4210	ppb	2.1702	515.4	13.3792	0.42104
Sb 206.834	2.4344	ppb	1.5740	64.7	-0.4747	2.43439
Se 196.026	-0.0195	ppb	2.2061	11291.7	7.0556	-0.01954
Sn 189.925	1.5321	ppb	1.5189	99.1	-4.9148	1.53214
Sr 216.596	-0.0012	ppb	0.0948	7936.3	2.2441	-0.00119
Ti 334.941	0.1351	ppb	0.0107	7.9	4.6233	0.13511
Tl 190.794	1.8974	ppb	2.8640	150.9	-6.6920	1.89741
V 292.401	0.3171	ppb	0.0830	26.2	-3.5575	0.31714
Zn 206.200	0.5208	ppb	0.1964	37.7	0.9261	0.52085

680-109515-a-52-a (Samp) **2/4/2015, 8:34:22 PM** **Rack 2, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-0.0956u	0.4447	0.6443
Al 308.215	97228.5	97285.5	99466.0
As 188.980	155.992	155.934	153.358
B 249.678	51.8086	51.9795	52.1734
Ba 389.178	1432.15	1433.15	1464.26
Be 313.042	8.4836	8.4879	8.6910
Ca 370.602	199080	200053	205353
Cd 226.502	3.3597	3.2231	3.9929
Co 228.615	42.1792	41.4144	42.2392
Cr 267.716	376.887	378.501	385.669
Cu 324.754	250.093	250.721	257.677
Fe 271.441	286141	286755	292208
K 766.491	7598.99	7609.21	7782.32
Mg 279.078	20672.0	20665.9	21093.6
Mn 257.610	11891.8	11857.3	12156.8
Mo 202.032	15.5439	14.9275	14.3252
Na 330.237	850.644u	1180.39u	1173.31u
Ni 231.604	64.8612	67.1688	67.1358
Pb 220.353	1688.09	1690.81	1727.65
Sb 206.834	9.3785	9.9619	14.1257
Se 196.026	-2.0733	-4.9381	-3.8936
Sn 189.925	63.6033	59.1402	58.4251
Sr 216.596	356.020	355.935	363.565
Ti 334.941	3048.60	3056.75	3108.92
Tl 190.794	4.4838u	1.8759u	-2.2608u
V 292.401	493.442	494.093	502.928
Zn 206.200	2219.16	2212.00	2248.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3311	ppb	0.3828	115.6	21.8218
Al 308.215	97993.3	ppb	1275.69	1.3	762194
As 188.980	155.095	ppb	1.5043	1.0	101.786
B 249.678	51.9872	ppb	0.1825	0.4	269.056
Ba 389.178	1443.19	ppb	18.2606	1.3	35077.3
Be 313.042	8.5542	ppb	0.1185	1.4	16678.8
Ca 370.602	201495	ppb	3376	1.7	633019
Cd 226.502	3.5253	ppb	0.4107	11.7	1602.90
Co 228.615	41.9443	ppb	0.4599	1.1	579.017

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	380.353	ppb	4.6745	1.2	22125.1
Cu 324.754	252.831	ppb	4.2091	1.7	19674.2
Fe 271.441	288368	ppb	3339.59	1.2	486855
K 766.491	7663.50	ppb	103.023	1.3	369893
Mg 279.078	20810.5	ppb	245.188	1.2	60212.0
Mn 257.610	11968.6	ppb	163.881	1.4	2876346
Mo 202.032	14.9322	ppb	0.6093	4.1	94.4128
Na 330.237	1068.11	ppb	188.368	17.6	-45.2502
Ni 231.604	66.3886	ppb	1.3228	2.0	236.758
Pb 220.353	1702.18	ppb	22.0932	1.3	2763.62
Sb 206.834	11.1554	ppb	2.5889	23.2	21.9412
Se 196.026	-3.6350	ppb	1.4498	39.9	10.9303
Sn 189.925	60.3895	ppb	2.8061	4.6	39.8417
Sr 216.596	358.507	ppb	4.3810	1.2	4810.69
Ti 334.941	3071.43	ppb	32.7261	1.1	1007339
Tl 190.794	1.3663	ppb	3.4011	248.9	-46.8998
V 292.401	496.821	ppb	5.2989	1.1	14895.2
Zn 206.200	2226.57	ppb	19.3717	0.9	2352.40

680-109515-a-53-a (Samp) **2/4/2015, 8:38:56 PM** **Rack 2, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	-0.0594u	-0.0790u	0.0088u
Al 308.215	42463.2	42465.9	42487.9
As 188.980	70.8818	76.1162	65.7532
B 249.678	20.0841	19.8822	19.5689
Ba 389.178	2089.06	2089.18	2088.45
Be 313.042	3.1798	3.1789	3.1689
Ca 370.602	471541	474280	472619
Cd 226.502	5.2147	4.9728	4.7673
Co 228.615	18.0310	18.2385	17.3461
Cr 267.716	102.426	102.264	102.818
Cu 324.754	114.977	115.960	114.757
Fe 271.441	70966.5	70976.4	71060.8
K 766.491	3004.88	3008.83	3005.66
Mg 279.078	13564.3	13546.0	13543.2
Mn 257.610	3359.66	3352.68	3367.94
Mo 202.032	6.5655	6.2376	6.6731
Na 330.237	1434.45	1185.27u	1198.83u
Ni 231.604	31.5810	31.5433	31.8769
Pb 220.353	2403.77	2391.08	2404.32
Sb 206.834	4.5357	5.1088	5.6073
Se 196.026	-7.2704u	-6.0450u	-5.0807u
Sn 189.925	24.3241	28.0501	30.8027
Sr 216.596	259.943	259.542	259.958
Ti 334.941	1227.23	1225.75	1225.40
Tl 190.794	-2.8029u	-2.1934u	0.3843u
V 292.401	148.056	148.434	148.269
Zn 206.200	2411.09	2418.70	2417.73

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0432	ppb	0.0461	106.8	-19.1308
Al 308.215	42472.4	ppb	13.5703	0.0	330518

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	70.9171	ppb	5.1816	7.3	44.6587
B 249.678	19.8451	ppb	0.2596	1.3	231.937
Ba 389.178	2088.90	ppb	0.3891	0.0	50465.5
Be 313.042	3.1758	ppb	0.0060	0.2	6129.20
Ca 370.602	472813	ppb	1380	0.3	1488689
Cd 226.502	4.9849	ppb	0.2240	4.5	601.243
Co 228.615	17.8719	ppb	0.4670	2.6	240.682
Cr 267.716	102.503	ppb	0.2852	0.3	5983.10
Cu 324.754	115.231	ppb	0.6407	0.6	9043.27
Fe 271.441	71001.2	ppb	51.8281	0.1	119878
K 766.491	3006.46	ppb	2.0934	0.1	145312
Mg 279.078	13551.2	ppb	11.4466	0.1	39321.1
Mn 257.610	3360.10	ppb	7.6391	0.2	807596
Mo 202.032	6.4921	ppb	0.2269	3.5	46.9000
Na 330.237	1272.85	ppb	140.117	11.0	20.2854
Ni 231.604	31.6671	ppb	0.1827	0.6	104.290
Pb 220.353	2399.72	ppb	7.4874	0.3	3867.93
Sb 206.834	5.0839	ppb	0.5362	10.5	5.8315
Se 196.026	-6.1320	ppb	1.0975	17.9	5.5922
Sn 189.925	27.7256	ppb	3.2515	11.7	15.0035
Sr 216.596	259.814	ppb	0.2354	0.1	3432.09
Ti 334.941	1226.13	ppb	0.9723	0.1	402115
Tl 190.794	-1.5374	ppb	1.6918	110.0	-20.0722
V 292.401	148.253	ppb	0.1894	0.1	4444.51
Zn 206.200	2415.84	ppb	4.1428	0.2	2561.29

680-109515-a-54-a (Samp) **2/4/2015, 8:43:30 PM** **Rack 2, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.7472u	-0.9069u	-0.9501u
Al 308.215	118651	119140	118974
As 188.980	212.373	215.617	216.221
B 249.678	19.7889u	19.2327u	21.2427u
Ba 389.178	756.717	761.773	760.756
Be 313.042	15.4059	15.4908	15.4595
Ca 370.602	75040	75330	74966
Cd 226.502	-1.4247	-0.7390	-0.0979
Co 228.615	94.8930	95.5909	95.3680
Cr 267.716	424.830	426.853	426.468
Cu 324.754	226.001	225.726	225.105
Fe 271.441	595911	599074	595848
K 766.491	3262.76	3268.59	3263.37
Mg 279.078	23483.0	23580.8	23565.9
Mn 257.610	10292.0	10367.3	10318.6
Mo 202.032	15.5907	15.8585	15.6286
Na 330.237	117.710u	375.422u	84.2234u
Ni 231.604	80.9577	79.8785	79.7441
Pb 220.353	476.647	475.767	482.379
Sb 206.834	10.8208	10.4857	4.8842
Se 196.026	-12.7106	-9.3969	-11.2488
Sn 189.925	26.3696	31.1710	30.2334
Sr 216.596	126.839	128.430	127.171
Ti 334.941	1212.98	1219.35	1217.12

Label	Replicates Concentration		
Tl 190.794	-0.6317u	-5.7818u	-4.9958u
V 292.401	867.368	870.565	867.370
Zn 206.200	856.712	858.905	860.600

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8681	ppb	0.1069	12.3	-147.734
Al 308.215	118921	ppb	248.797	0.2	924975
As 188.980	214.737	ppb	2.0692	1.0	141.203
B 249.678	20.0881	ppb	1.0378	5.2	-1149.94
Ba 389.178	759.748	ppb	2.6742	0.4	18844.8
Be 313.042	15.4521	ppb	0.0429	0.3	30287.2
Ca 370.602	75112	ppb	192.6	0.3	230584
Cd 226.502	-0.7539	ppb	0.6635	88.0	2932.32
Co 228.615	95.2840	ppb	0.3565	0.4	1186.97
Cr 267.716	426.050	ppb	1.0740	0.3	24894.7
Cu 324.754	225.611	ppb	0.4590	0.2	17723.7
Fe 271.441	596944	ppb	1844.42	0.3	1007820
K 766.491	3264.91	ppb	3.2051	0.1	157775
Mg 279.078	23543.2	ppb	52.7248	0.2	68183.9
Mn 257.610	10326.0	ppb	38.1949	0.4	2482789
Mo 202.032	15.6926	ppb	0.1449	0.9	84.5607
Na 330.237	192.452	ppb	159.339	82.8	-143.660
Ni 231.604	80.1935	ppb	0.6653	0.8	309.275
Pb 220.353	478.265	ppb	3.5904	0.8	820.925
Sb 206.834	8.7303	ppb	3.3350	38.2	24.7706
Se 196.026	-11.1188	ppb	1.6607	14.9	9.8615
Sn 189.925	29.2580	ppb	2.5450	8.7	16.1676
Sr 216.596	127.480	ppb	0.8393	0.7	2359.74
Ti 334.941	1216.48	ppb	3.2326	0.3	399046
Tl 190.794	-3.8031	ppb	2.7745	73.0	-103.071
V 292.401	868.434	ppb	1.8452	0.2	25987.7
Zn 206.200	858.739	ppb	1.9496	0.2	890.174

680-109515-b-55-a (Samp) **2/4/2015, 8:48:04 PM** **Rack 2, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	-2.6423u	-2.9229u	-3.3217u
Al 308.215	75892.8	75842.5	75750.2
As 188.980	84.2348	90.4346	84.8312
B 249.678	8.2514u	8.9033u	8.0954u
Ba 389.178	864.008	859.818	861.027
Be 313.042	10.4698	10.4615	10.4413
Ca 370.602	14356	14290	14264
Cd 226.502	-1.2306	-1.2017	-1.4512
Co 228.615	102.590	102.299	102.990
Cr 267.716	229.929	228.556	228.844
Cu 324.754	88.6916	88.9545	88.8910
Fe 271.441	187085	186401	186105
K 766.491	4257.99	4280.88	4270.39
Mg 279.078	4367.20	4339.33	4343.38
Mn 257.610	17940.4	17879.5	17811.1
Mo 202.032	7.9077	7.9220	7.6782
Na 330.237	-107.895u	12.8387u	-19.1737u

Label	Replicates Concentration		
Ni 231.604	51.2841	50.1292	50.4053
Pb 220.353	248.602	249.387	243.614
Sb 206.834	3.0257	5.2399	2.1655
Se 196.026	-5.1160	0.3396	-5.4581
Sn 189.925	20.8899	13.7321	19.9679
Sr 216.596	74.8255	73.0896	73.6306
Ti 334.941	742.761	742.606	741.842
Tl 190.794	4.8784u	5.0837u	3.8324u
V 292.401	277.263	276.418	276.683
Zn 206.200	359.681	364.009	358.790

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.9623	ppb	0.3414	11.5	-221.575
Al 308.215	75828.5	ppb	72.2886	0.1	589847
As 188.980	86.5002	ppb	3.4203	4.0	54.7175
B 249.678	8.4167	ppb	0.4286	5.1	-289.600
Ba 389.178	861.618	ppb	2.1564	0.3	20917.4
Be 313.042	10.4575	ppb	0.0147	0.1	20362.7
Ca 370.602	14303	ppb	47.21	0.3	43783
Cd 226.502	-1.2945	ppb	0.1365	10.5	883.597
Co 228.615	102.626	ppb	0.3473	0.3	1234.13
Cr 267.716	229.110	ppb	0.7239	0.3	13399.1
Cu 324.754	88.8457	ppb	0.1372	0.2	7073.01
Fe 271.441	186530	ppb	502.526	0.3	314932
K 766.491	4269.75	ppb	11.4571	0.3	206233
Mg 279.078	4349.97	ppb	15.0592	0.3	12239.3
Mn 257.610	17877.0	ppb	64.6636	0.4	4295203
Mo 202.032	7.8360	ppb	0.1368	1.7	50.5324
Na 330.237	-38.0765	ppb	62.5471	164.3	-33.4796
Ni 231.604	50.6062	ppb	0.6031	1.2	176.099
Pb 220.353	247.201	ppb	3.1313	1.3	424.492
Sb 206.834	3.4770	ppb	1.5861	45.6	7.2964
Se 196.026	-3.4115	ppb	3.2530	95.4	11.4922
Sn 189.925	18.1966	ppb	3.8938	21.4	7.7569
Sr 216.596	73.8486	ppb	0.8883	1.2	1148.46
Ti 334.941	742.403	ppb	0.4916	0.1	243474
Tl 190.794	4.5982	ppb	0.6711	14.6	-23.7351
V 292.401	276.788	ppb	0.4322	0.2	8272.73
Zn 206.200	360.826	ppb	2.7918	0.8	376.371

680-109515-a-56-a (Samp) **2/4/2015, 8:52:38 PM** **Rack 2, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-0.5554u	-0.7169u	0.0294u
Al 308.215	162953	162495	163028
As 188.980	231.524	235.238	229.262
B 249.678	69.2750	69.2956	68.5002
Ba 389.178	1844.45	1843.98	1849.82
Be 313.042	21.2883	21.2856	21.3161
Ca 370.602	388444	390066	388989
Cd 226.502	7.0993	6.8137	6.8322
Co 228.615	120.621	120.172	121.097
Cr 267.716	457.298	457.394	458.189

Label	Replicates Concentration		
Cu 324.754	342.347	339.398	341.683
Fe 271.441	369570	372300	370722
K 766.491	15095.5	15040.2	15054.6
Mg 279.078	87312.6	87275.2	87522.6
Mn 257.610	11892.3	11895.6	11941.3
Mo 202.032	30.1978	30.7453	30.4774
Na 330.237	2103.62u	2016.50u	2114.21u
Ni 231.604	149.447	150.214	147.538
Pb 220.353	945.415	942.426	940.335
Sb 206.834	8.1103	9.8317	7.4017
Se 196.026	3.8614	-9.4049	0.4181
Sn 189.925	81.0976	77.7827	79.5136
Sr 216.596	650.839	651.191	652.693
Ti 334.941	2433.90	2429.30	2433.92
Tl 190.794	-2.3154u	-3.1715u	-2.1938u
V 292.401	470.956	472.465	473.194
Zn 206.200	2221.09	2233.27	2238.41

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4143	ppb	0.3927	94.8	-76.1952
Al 308.215	162825	ppb	288.927	0.2	1266177
As 188.980	232.008	ppb	3.0173	1.3	154.779
B 249.678	69.0236	ppb	0.4534	0.7	375.623
Ba 389.178	1846.08	ppb	3.2429	0.2	45019.8
Be 313.042	21.2967	ppb	0.0169	0.1	41949.3
Ca 370.602	389166	ppb	825.6	0.2	1222703
Cd 226.502	6.9151	ppb	0.1598	2.3	2166.27
Co 228.615	120.630	ppb	0.4625	0.4	1495.00
Cr 267.716	457.627	ppb	0.4892	0.1	26612.1
Cu 324.754	341.143	ppb	1.5471	0.5	26475.5
Fe 271.441	370864	ppb	1370.46	0.4	626139
K 766.491	15063.4	ppb	28.6912	0.2	726748
Mg 279.078	87370.1	ppb	133.393	0.2	253679
Mn 257.610	11909.7	ppb	27.4131	0.2	2863034
Mo 202.032	30.4735	ppb	0.2738	0.9	197.769
Na 330.237	2078.11	ppb	53.6136	2.6	-11.9784
Ni 231.604	149.066	ppb	1.3781	0.9	513.053
Pb 220.353	942.725	ppb	2.5529	0.3	1549.92
Sb 206.834	8.4479	ppb	1.2497	14.8	20.3363
Se 196.026	-1.7085	ppb	6.8841	402.9	12.6245
Sn 189.925	79.4646	ppb	1.6580	2.1	54.3472
Sr 216.596	651.574	ppb	0.9848	0.2	8546.31
Ti 334.941	2432.37	ppb	2.6655	0.1	797904
Tl 190.794	-2.5602	ppb	0.5328	20.8	-64.6472
V 292.401	472.205	ppb	1.1417	0.2	14104.3
Zn 206.200	2230.92	ppb	8.8956	0.4	2354.02

680-109515-a-57-a (Samp) **2/4/2015, 8:57:12 PM** **Rack 2, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	10.2225	10.4948	11.1351
Al 308.215	69315.9	71092.6	71039.3
As 188.980	753.385	768.284	771.920

Label	Replicates Concentration		
B 249.678	63.3678	65.3176	65.4719
Ba 389.178	1933.62	1984.24	1981.10
Be 313.042	5.2257	5.3532	5.3423
Ca 370.602	45552	46604	46598
Cd 226.502	0.4810	1.8254	1.9700
Co 228.615	47.6291	48.7436	49.2227
Cr 267.716	215.597	220.910	220.639
Cu 324.754	862.614	894.466	894.432
Fe 271.441	408205	419724	419188
K 766.491	10722.0	10980.9	10945.4
Mg 279.078	9753.69	10017.5	10029.5
Mn 257.610	5593.99	5723.63	5767.04
Mo 202.032	38.1149	37.9589	38.1905
Na 330.237	3804.15	3969.21	3793.74
Ni 231.604	88.4518	93.9460	93.5006
Pb 220.353	864.885	895.844	893.121
Sb 206.834	14.1060	10.6764	10.6557
Se 196.026	4.1947	11.8085	16.6451
Sn 189.925	90.7677	86.1002	88.8050
Sr 216.596	624.682	644.655	646.910
Ti 334.941	1466.60	1506.25	1504.92
Tl 190.794	6.5327u	0.3898u	6.3252u
V 292.401	352.753	361.760	361.844
Zn 206.200	1584.39	1637.88	1633.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.6175	ppb	0.4685	4.4	911.027
Al 308.215	70482.6	ppb	1010.76	1.4	548333
As 188.980	764.530	ppb	9.8213	1.3	525.311
B 249.678	64.7191	ppb	1.1728	1.8	174.722
Ba 389.178	1966.32	ppb	28.3646	1.4	47786.3
Be 313.042	5.3071	ppb	0.0707	1.3	10179.1
Ca 370.602	46251	ppb	605.8	1.3	141783
Cd 226.502	1.4255	ppb	0.8211	57.6	2137.74
Co 228.615	48.5318	ppb	0.8177	1.7	630.003
Cr 267.716	219.049	ppb	2.9920	1.4	12874.7
Cu 324.754	883.837	ppb	18.3802	2.1	68058.4
Fe 271.441	415706	ppb	6501.34	1.6	701834
K 766.491	10882.8	ppb	140.334	1.3	525139
Mg 279.078	9933.56	ppb	155.887	1.6	28741.7
Mn 257.610	5694.89	ppb	90.0348	1.6	1369575
Mo 202.032	38.0881	ppb	0.1181	0.3	248.286
Na 330.237	3855.70	ppb	98.4375	2.6	88.3123
Ni 231.604	91.9661	ppb	3.0516	3.3	331.421
Pb 220.353	884.617	ppb	17.1422	1.9	1460.06
Sb 206.834	11.8127	ppb	1.9861	16.8	22.7596
Se 196.026	10.8828	ppb	6.2766	57.7	17.6269
Sn 189.925	88.5576	ppb	2.3435	2.6	61.2623
Sr 216.596	638.749	ppb	12.2345	1.9	8320.89
Ti 334.941	1492.59	ppb	22.5191	1.5	489542
Tl 190.794	4.4159	ppb	3.4882	79.0	-67.7820
V 292.401	358.785	ppb	5.2244	1.5	10657.3
Zn 206.200	1618.74	ppb	29.8077	1.8	1703.31

680-109515-a-58-a (Samp) **2/4/2015, 9:01:47 PM** **Rack 2, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	1.3594	1.1747	1.5540
Al 308.215	56280.8	56662.1	56629.7
As 188.980	78.5966	89.9316	86.2589
B 249.678	28.3132u	28.1681u	28.1157u
Ba 389.178	685.588	688.821	689.599
Be 313.042	4.2775	4.3062	4.3020
Ca 370.602	34121	34433	34334
Cd 226.502	3.9913	3.4283	3.7998
Co 228.615	40.1066	40.5821	41.1884
Cr 267.716	576.321	580.436	580.622
Cu 324.754	670.977	675.498	676.565
Fe 271.441	396101	399254	397200
K 766.491	4425.24	4455.37	4461.55
Mg 279.078	7594.59	7630.32	7624.68
Mn 257.610	4358.42	4386.60	4389.42
Mo 202.032	93.3965	93.5808	93.3087
Na 330.237	812.962u	812.487u	834.816u
Ni 231.604	243.545	248.284	245.579
Pb 220.353	1569.34	1580.47	1580.02
Sb 206.834	13.4605	11.0019	12.3564
Se 196.026	-8.9784	-19.3621u	-7.8693
Sn 189.925	106.266	102.663	100.735
Sr 216.596	164.095	165.915	164.341
Ti 334.941	595.410	599.249	598.618
Tl 190.794	-0.5349u	-3.3183u	-4.5605u
V 292.401	155.181	156.235	156.243
Zn 206.200	2922.46	2937.60	2933.46

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.3627	ppb	0.1897	13.9	61.1740
Al 308.215	56524.2	ppb	211.398	0.4	439794
As 188.980	84.9290	ppb	5.7834	6.8	52.1518
B 249.678	28.1990	ppb	0.1023	0.4	-469.645
Ba 389.178	688.003	ppb	2.1271	0.3	16909.9
Be 313.042	4.2952	ppb	0.0155	0.4	8153.10
Ca 370.602	34296	ppb	159.3	0.5	103875
Cd 226.502	3.7398	ppb	0.2862	7.7	2154.74
Co 228.615	40.6257	ppb	0.5422	1.3	515.674
Cr 267.716	579.126	ppb	2.4313	0.4	33575.4
Cu 324.754	674.347	ppb	2.9666	0.4	52012.4
Fe 271.441	397519	ppb	1600.03	0.4	671127
K 766.491	4447.39	ppb	19.4282	0.4	214799
Mg 279.078	7616.53	ppb	19.2088	0.3	22040.8
Mn 257.610	4378.15	ppb	17.1439	0.4	1053181
Mo 202.032	93.4286	ppb	0.1389	0.1	631.262
Na 330.237	820.088	ppb	12.7569	1.6	-105.142
Ni 231.604	245.802	ppb	2.3775	1.0	830.470
Pb 220.353	1576.61	ppb	6.3037	0.4	2569.86
Sb 206.834	12.2730	ppb	1.2314	10.0	26.7017
Se 196.026	-12.0699	ppb	6.3395	52.5	6.0754
Sn 189.925	103.221	ppb	2.8076	2.7	72.4120
Sr 216.596	164.784	ppb	0.9876	0.6	2530.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	597.759	ppb	2.0590	0.3	196071
Tl 190.794	-2.8045	ppb	2.0614	73.5	-74.2783
V 292.401	155.886	ppb	0.6105	0.4	4491.01
Zn 206.200	2931.17	ppb	7.8254	0.3	3095.93

680-109515-a-59-a (Samp) **2/4/2015, 9:06:22 PM** **Rack 2, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	1.2202	1.1225	1.7399
Al 308.215	56388.7	54928.5	56019.8
As 188.980	92.6213	90.2408	89.5918
B 249.678	31.1920u	30.7957u	30.2285u
Ba 389.178	757.201	736.521	749.903
Be 313.042	4.4032	4.2802	4.3621
Ca 370.602	61855	60279	61503
Cd 226.502	3.7036	2.3607	2.9640
Co 228.615	45.3008	43.7899	44.8372
Cr 267.716	566.622	552.117	562.198
Cu 324.754	670.529	649.639	673.800
Fe 271.441	391395	381412	388054
K 766.491	4543.70	4426.71	4496.88
Mg 279.078	9101.74	8855.81	9043.93
Mn 257.610	5263.09	5120.87	5228.32
Mo 202.032	101.381	99.2202	101.045
Na 330.237	668.906u	871.284u	839.383u
Ni 231.604	270.446	263.482	265.896
Pb 220.353	1671.77	1615.37	1652.94
Sb 206.834	11.5680	13.5158	12.7232
Se 196.026	-2.7033	-13.4998u	-0.2411
Sn 189.925	98.8565	95.2176	96.4149
Sr 216.596	161.579	157.278	161.182
Ti 334.941	656.932	637.952	650.246
Tl 190.794	0.3939u	-3.6257u	-5.1026u
V 292.401	189.366	184.203	187.637
Zn 206.200	2450.86	2380.98	2432.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.3609	ppb	0.3319	24.4	67.8888
Al 308.215	55779.0	ppb	759.292	1.4	434005
As 188.980	90.8180	ppb	1.5951	1.8	56.3250
B 249.678	30.7388	ppb	0.4843	1.6	-392.894
Ba 389.178	747.875	ppb	10.4884	1.4	18349.3
Be 313.042	4.3485	ppb	0.0626	1.4	8269.17
Ca 370.602	61212	ppb	827.4	1.4	188799
Cd 226.502	3.0094	ppb	0.6726	22.4	2067.65
Co 228.615	44.6426	ppb	0.7740	1.7	562.949
Cr 267.716	560.313	ppb	7.4342	1.3	32491.5
Cu 324.754	664.656	ppb	13.1075	2.0	51265.2
Fe 271.441	386954	ppb	5081.70	1.3	653291
K 766.491	4489.09	ppb	58.8834	1.3	216810
Mg 279.078	9000.49	ppb	128.587	1.4	26046.2
Mn 257.610	5204.09	ppb	74.1394	1.4	1251569
Mo 202.032	100.549	ppb	1.1626	1.2	680.874

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	793.191	ppb	108.810	13.7	-91.4525
Ni 231.604	266.608	ppb	3.5360	1.3	897.200
Pb 220.353	1646.69	ppb	28.7114	1.7	2681.71
Sb 206.834	12.6023	ppb	0.9795	7.8	26.5940
Se 196.026	-5.4814	ppb	7.0524	128.7	9.3447
Sn 189.925	96.8297	ppb	1.8546	1.9	67.5516
Sr 216.596	160.013	ppb	2.3770	1.5	2467.88
Ti 334.941	648.377	ppb	9.6268	1.5	212672
Tl 190.794	-2.7781	ppb	2.8446	102.4	-72.0106
V 292.401	187.069	ppb	2.6281	1.4	5438.30
Zn 206.200	2421.33	ppb	36.1792	1.5	2555.33

680-109515-a-60-a (Samp) **2/4/2015, 9:10:57 PM** **Rack 2, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	-0.0230u	-0.2083u	-0.4512u
Al 308.215	74730.8	76416.0	74807.8
As 188.980	205.467	216.952	212.326
B 249.678	20.5365u	18.9847u	20.3748u
Ba 389.178	732.533	751.853	733.337
Be 313.042	10.0856	10.3093	10.0998
Ca 370.602	36043	36844	36139
Cd 226.502	-2.8104	-1.1026	-2.5225
Co 228.615	79.6841	80.6260	80.1269
Cr 267.716	660.576	675.998	662.017
Cu 324.754	299.333	305.162	299.297
Fe 271.441	636091	652434	639838
K 766.491	2125.06	2174.22	2114.62
Mg 279.078	4163.79	4253.00	4168.99
Mn 257.610	7281.04	7470.01	7326.10
Mo 202.032	63.0922	64.3915	62.6245
Na 330.237	358.067u	367.826u	286.036u
Ni 231.604	164.376	166.519	164.538
Pb 220.353	1017.51	1038.10	1020.11
Sb 206.834	10.8161	10.2785	17.5819
Se 196.026	-6.2749	-5.5120	-10.4052
Sn 189.925	46.1444	53.5213	52.8129
Sr 216.596	85.2301	89.9889	86.4416
Ti 334.941	699.948	716.190	700.116
Tl 190.794	-4.9125u	-6.4557u	-6.3854u
V 292.401	801.275	818.907	801.270
Zn 206.200	1210.18	1223.80	1214.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2275	ppb	0.2148	94.4	-111.928
Al 308.215	75318.2	ppb	951.496	1.3	586019
As 188.980	211.582	ppb	5.7787	2.7	138.677
B 249.678	19.9653	ppb	0.8531	4.3	-1272.81
Ba 389.178	739.241	ppb	10.9300	1.5	18344.7
Be 313.042	10.1649	ppb	0.1253	1.2	19798.9
Ca 370.602	36342	ppb	437.4	1.2	107648
Cd 226.502	-2.1452	ppb	0.9143	42.6	3094.82
Co 228.615	80.1457	ppb	0.4713	0.6	1000.46

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	666.197	ppb	8.5184	1.3	38718.4
Cu 324.754	301.264	ppb	3.3757	1.1	23541.0
Fe 271.441	642788	ppb	8561.45	1.3	1085214
K 766.491	2137.97	ppb	31.8286	1.5	103430
Mg 279.078	4195.26	ppb	50.0717	1.2	12021.6
Mn 257.610	7359.05	ppb	98.6989	1.3	1770049
Mo 202.032	63.3694	ppb	0.9155	1.4	411.441
Na 330.237	337.310	ppb	44.6720	13.2	-156.652
Ni 231.604	165.144	ppb	1.1935	0.7	589.891
Pb 220.353	1025.24	ppb	11.2128	1.1	1702.17
Sb 206.834	12.8921	ppb	4.0703	31.6	33.7809
Se 196.026	-7.3973	ppb	2.6326	35.6	11.3747
Sn 189.925	50.8262	ppb	4.0700	8.0	32.5686
Sr 216.596	87.2202	ppb	2.4731	2.8	1913.41
Ti 334.941	705.418	ppb	9.3289	1.3	231405
Tl 190.794	-5.9179	ppb	0.8713	14.7	-114.818
V 292.401	807.151	ppb	10.1808	1.3	24088.4
Zn 206.200	1216.32	ppb	6.9098	0.6	1267.56

680-109515-a-49-b ms (Samp) **2/4/2015, 9:15:33 PM** **Rack 2, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	47.2702	46.1718	46.4102
Al 308.215	138183	138319	137789
As 188.980	185.299	187.839	188.978
B 249.678	119.332	121.177	121.584
Ba 389.178	1351.49	1355.84	1350.02
Be 313.042	57.0189	57.2369	57.0184
Ca 370.602	41675	41756	41464
Cd 226.502	46.1025	46.5322	46.0772
Co 228.615	90.8184	90.9500	90.4379
Cr 267.716	281.688	282.697	281.507
Cu 324.754	259.868	257.032	256.766
Fe 271.441	173918	174488	173737
K 766.491	12232.1	12259.6	12252.3
Mg 279.078	18755.6	18799.7	18694.4
Mn 257.610	6144.67	6142.30	6112.58
Mo 202.032	86.7748	87.7938	88.2752
Na 330.237	5444.44	5264.41	5325.78
Ni 231.604	154.337	152.482	153.053
Pb 220.353	969.020	972.136	966.908
Sb 206.834	26.6189	18.4820	22.3195
Se 196.026	74.3624	85.5673	76.6100
Sn 189.925	240.674	238.734	239.951
Sr 216.596	267.402	269.558	267.452
Ti 334.941	410.383	412.402	411.188
Tl 190.794	41.1651	34.1872	34.8261
V 292.401	370.239	371.488	370.879
Zn 206.200	1168.60	1176.30	1158.50

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.6174	ppb	0.5777	1.2	4330.94
Al 308.215	138097	ppb	275.495	0.2	1073912

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	187.372	ppb	1.8837	1.0	125.027
B 249.678	120.698	ppb	1.2000	1.0	1874.97
Ba 389.178	1352.45	ppb	3.0281	0.2	32787.3
Be 313.042	57.0914	ppb	0.1260	0.2	112616
Ca 370.602	41632	ppb	150.9	0.4	129492
Cd 226.502	46.2373	ppb	0.2557	0.6	3004.32
Co 228.615	90.7355	ppb	0.2659	0.3	1084.08
Cr 267.716	281.964	ppb	0.6412	0.2	16371.3
Cu 324.754	257.889	ppb	1.7190	0.7	20014.7
Fe 271.441	174047	ppb	391.678	0.2	293857
K 766.491	12248.0	ppb	14.2440	0.1	590975
Mg 279.078	18749.9	ppb	52.8655	0.3	54334.8
Mn 257.610	6133.19	ppb	17.8803	0.3	1474137
Mo 202.032	87.6146	ppb	0.7661	0.9	601.543
Na 330.237	5344.88	ppb	91.5212	1.7	246.427
Ni 231.604	153.291	ppb	0.9503	0.6	509.217
Pb 220.353	969.355	ppb	2.6301	0.3	1579.25
Sb 206.834	22.4735	ppb	4.0707	18.1	33.5017
Se 196.026	78.8466	ppb	5.9278	7.5	48.1782
Sn 189.925	239.786	ppb	0.9802	0.4	176.262
Sr 216.596	268.137	ppb	1.2308	0.5	3497.89
Ti 334.941	411.324	ppb	1.0161	0.2	134924
Tl 190.794	36.7262	ppb	3.8575	10.5	8.5289
V 292.401	370.869	ppb	0.6247	0.2	11099.8
Zn 206.200	1167.80	ppb	8.9280	0.8	1233.03

Cont Calib Verif (CCV) **2/4/2015, 9:20:07 PM** **Rack 2, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	473.824	468.819	469.393
Al 308.215	4702.39	4712.22	4693.66
As 188.980	469.133	477.844	475.128
B 249.678	474.238	475.638	474.867
Ba 389.178	4687.28	4701.68	4684.51
Be 313.042	479.465	481.874	479.990
Ca 370.602	4769	4795	4769
Cd 226.502	473.389	474.131	473.768
Co 228.615	482.169	481.942	481.416
Cr 267.716	4859.68	4871.21	4851.37
Cu 324.754	4949.63	4942.63	4878.16
Fe 271.441	4669.49	4688.03	4661.74
K 766.491	10263.8	10273.0	10231.5
Mg 279.078	4850.97	4853.37	4830.56
Mn 257.610	4858.35	4877.15	4864.44
Mo 202.032	471.273	473.610	472.339
Na 330.237	7358.02	7429.29	7247.20
Ni 231.604	2418.99	2423.53	2419.77
Pb 220.353	475.293	475.585	471.993
Sb 206.834	935.353	942.450	936.268
Se 196.026	4778.54	4807.12	4791.34
Sn 189.925	4740.15	4768.44	4740.50
Sr 216.596	2345.79	2344.54	2339.64
Ti 334.941	463.614	464.035	462.494

Label	Replicates Concentration		
Tl 190.794	4842.09	4858.56	4817.22
V 292.401	4795.99	4805.20	4782.01
Zn 206.200	2353.39	2372.47	2369.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	470.679	ppb	2.7389	0.6	43837.9	94.13573
Al 308.215	4702.76	ppb	9.2836	0.2	37627.3	94.05513
As 188.980	474.035	ppb	4.4575	0.9	325.702	94.80698
B 249.678	474.914	ppb	0.7009	0.1	9057.36	94.98284
Ba 389.178	4691.15	ppb	9.2172	0.2	113216	93.82307
Be 313.042	480.443	ppb	1.2667	0.3	950194	96.08855
Ca 370.602	4778	ppb	14.92	0.3	15414	95.55853
Cd 226.502	473.762	ppb	0.3712	0.1	21803.9	94.75248
Co 228.615	481.842	ppb	0.3861	0.1	5664.56	96.36843
Cr 267.716	4860.75	ppb	9.9619	0.2	279660	97.21510
Cu 324.754	4923.47	ppb	39.4015	0.8	377184	98.46947
Fe 271.441	4673.09	ppb	13.5089	0.3	7998.11	93.46175
K 766.491	10256.1	ppb	21.7707	0.2	494919	102.56124
Mg 279.078	4844.97	ppb	12.5383	0.3	13993.9	96.89935
Mn 257.610	4866.64	ppb	9.5932	0.2	1169206	97.33289
Mo 202.032	472.407	ppb	1.1702	0.2	3259.95	94.48149
Na 330.237	7344.84	ppb	91.7597	1.2	373.345	97.93118
Ni 231.604	2420.76	ppb	2.4271	0.1	7872.79	96.83051
Pb 220.353	474.290	ppb	1.9950	0.4	777.985	94.85808
Sb 206.834	938.024	ppb	3.8605	0.4	1388.96	93.80240
Se 196.026	4792.33	ppb	14.3125	0.3	2317.34	95.84668
Sn 189.925	4749.70	ppb	16.2356	0.3	3605.74	94.99397
Sr 216.596	2343.32	ppb	3.2513	0.1	28399.6	93.73288
Ti 334.941	463.381	ppb	0.7966	0.2	151939	92.67625
Tl 190.794	4839.29	ppb	20.8109	0.4	5510.12	96.78579
V 292.401	4794.40	ppb	11.6754	0.2	144641	95.88801
Zn 206.200	2365.05	ppb	10.2172	0.4	2500.30	94.60184

Cont Calib Blank (CCB) **2/4/2015, 9:24:41 PM** **Rack 2, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1369	0.0395	0.2554
Al 308.215	4.3983	3.2817	2.8413
As 188.980	-1.3762u	-1.5444u	-4.7903u
B 249.678	1.9929	1.6530	1.4544
Ba 389.178	-0.0903u	0.4353	0.5733
Be 313.042	0.0149	0.0117	0.0188
Ca 370.602	2.478	0.7320	4.047
Cd 226.502	-0.0226u	-0.0251u	-0.0933u
Co 228.615	0.2130	-0.0893u	0.0793
Cr 267.716	-0.1970u	-0.0615u	-0.1403u
Cu 324.754	0.2274	0.1703	-0.0640u
Fe 271.441	3.9366	3.8111	1.7705
K 766.491	-0.5115u	-0.5988u	-0.6259u
Mg 279.078	-2.1217u	-0.0487u	-1.2107u
Mn 257.610	0.1759	0.1279	0.1187
Mo 202.032	0.5602	-0.2610u	0.4461
Na 330.237	17.3471	32.0800	-114.464u

Label	Replicates Concentration		
Ni 231.604	-0.5769u	-0.4639u	-0.2408u
Pb 220.353	-1.8994u	-1.2398u	-1.8742u
Sb 206.834	1.8440	4.8857	1.6958
Se 196.026	-1.5724u	1.1335	-3.1931u
Sn 189.925	5.0693	3.2184	-0.3103u
Sr 216.596	0.1037	-0.1283u	0.4413
Ti 334.941	0.1220	0.1151	0.1365
Tl 190.794	-0.1708u	3.1772	4.3439
V 292.401	0.2796	0.1813	0.0362
Zn 206.200	0.2750	-1.0609u	-0.2885u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1439	ppb	0.1081	75.1	3.6171	0.14395
Al 308.215	3.5071	ppb	0.8026	22.9	351.640	3.50710
As 188.980	-2.5703	ppb	1.9244	74.9	-6.0288	-2.57031
B 249.678	1.7001	ppb	0.2723	16.0	74.6473	1.70013
Ba 389.178	0.3061	ppb	0.3502	114.4	-38.1759	0.30611
Be 313.042	0.0151	ppb	0.0035	23.4	-307.860	0.01514
Ca 370.602	2.419	ppb	1.658	68.6	23.21	2.41894
Cd 226.502	-0.0470	ppb	0.0401	85.3	22.1619	-0.04699
Co 228.615	0.0677	ppb	0.1515	223.9	-0.0965	0.06767
Cr 267.716	-0.1330	ppb	0.0680	51.2	23.0270	-0.13296
Cu 324.754	0.1113	ppb	0.1544	138.8	197.102	0.11125
Fe 271.441	3.1727	ppb	1.2160	38.3	11.3046	3.17270
K 766.491	-0.5788	ppb	0.0598	10.3	300.659	-0.57876
Mg 279.078	-1.1270	ppb	1.0390	92.2	15.2583	-1.12703
Mn 257.610	0.1408	ppb	0.0307	21.8	97.9976	0.14082
Mo 202.032	0.2484	ppb	0.4449	179.1	7.3571	0.24842
Na 330.237	-21.6790	ppb	80.6912	372.2	26.5340	-21.67899
Ni 231.604	-0.4272	ppb	0.1710	40.0	-6.5046	-0.42718
Pb 220.353	-1.6711	ppb	0.3738	22.4	10.0214	-1.67113
Sb 206.834	2.8085	ppb	1.8004	64.1	0.0547	2.80849
Se 196.026	-1.2106	ppb	2.1859	180.6	6.4817	-1.21064
Sn 189.925	2.6591	ppb	2.7331	102.8	-4.0579	2.65911
Sr 216.596	0.1389	ppb	0.2865	206.2	3.9654	0.13890
Ti 334.941	0.1245	ppb	0.0109	8.8	1.1531	0.12453
Tl 190.794	2.4501	ppb	2.3435	95.7	-6.0634	2.45010
V 292.401	0.1657	ppb	0.1224	73.9	-8.1613	0.16569
Zn 206.200	-0.3581	ppb	0.6707	187.3	-0.0063	-0.35812

680-109515-a-49-c ms (Samp) **2/4/2015, 9:29:15 PM** **Rack 2, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	49.2498	48.8642	50.0181
Al 308.215	159489	159505	160469
As 188.980	196.756	200.947	208.201
B 249.678	130.679	131.459	131.651
Ba 389.178	1153.52	1154.38	1161.08
Be 313.042	58.6516	58.8131	59.1108
Ca 370.602	39926	39853	40163
Cd 226.502	47.5206	47.2712	47.5901
Co 228.615	87.7071	87.0431	87.5560
Cr 267.716	318.793	318.711	320.648

Label	Replicates Concentration		
Cu 324.754	296.841	296.832	298.140
Fe 271.441	192737	192992	193977
K 766.491	13768.4	13830.3	13893.4
Mg 279.078	20028.1	20038.3	20117.8
Mn 257.610	6339.54	6346.68	6374.67
Mo 202.032	90.5907	90.6773	90.8624
Na 330.237	5477.46	5706.56	5604.03
Ni 231.604	166.971	170.270	168.926
Pb 220.353	993.099	987.074	996.086
Sb 206.834	22.1114	28.8572	25.7141
Se 196.026	84.1535	78.1512	79.8959
Sn 189.925	255.677	257.140	253.410
Sr 216.596	267.852	267.979	270.251
Ti 334.941	477.604	478.688	480.726
Tl 190.794	37.2538	40.9627	38.7190
V 292.401	382.746	383.983	386.691
Zn 206.200	1301.54	1291.28	1301.23

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.3774	ppb	0.5874	1.2	4586.09
Al 308.215	159821	ppb	561.104	0.4	1242788
As 188.980	201.968	ppb	5.7904	2.9	135.061
B 249.678	131.263	ppb	0.5147	0.4	2025.40
Ba 389.178	1156.33	ppb	4.1404	0.4	28072.2
Be 313.042	58.8585	ppb	0.2329	0.4	116113
Ca 370.602	39981	ppb	162.3	0.4	124115
Cd 226.502	47.4606	ppb	0.1677	0.4	3154.12
Co 228.615	87.4354	ppb	0.3481	0.4	1048.12
Cr 267.716	319.384	ppb	1.0955	0.3	18535.2
Cu 324.754	297.271	ppb	0.7527	0.3	23039.2
Fe 271.441	193235	ppb	654.669	0.3	326251
K 766.491	13830.7	ppb	62.4785	0.5	667299
Mg 279.078	20061.4	ppb	49.1344	0.2	58133.9
Mn 257.610	6353.63	ppb	18.5684	0.3	1527167
Mo 202.032	90.7102	ppb	0.1388	0.2	621.984
Na 330.237	5596.01	ppb	114.760	2.1	251.946
Ni 231.604	168.722	ppb	1.6589	1.0	561.165
Pb 220.353	992.086	ppb	4.5903	0.5	1616.75
Sb 206.834	25.5609	ppb	3.3755	13.2	38.6858
Se 196.026	80.7335	ppb	3.0876	3.8	49.3198
Sn 189.925	255.409	ppb	1.8795	0.7	188.142
Sr 216.596	268.694	ppb	1.3498	0.5	3528.44
Ti 334.941	479.006	ppb	1.5853	0.3	157127
Tl 190.794	38.9785	ppb	1.8680	4.8	8.1207
V 292.401	384.473	ppb	2.0179	0.5	11501.2
Zn 206.200	1298.02	ppb	5.8352	0.4	1370.48

CRI (Samp) **2/4/2015, 9:33:49 PM** **Rack 2, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.9992	9.9179	10.0699
Al 308.215	205.902	201.409	200.363
As 188.980	17.1330	24.0605	17.2722

Label	Replicates Concentration		
B 249.678	100.261	99.3767	99.1662
Ba 389.178	10.0685	10.2556	10.0587
Be 313.042	4.1411	4.0722	4.0829
Ca 370.602	508.0	501.8	497.7
Cd 226.502	4.9283	4.7609	4.7808
Co 228.615	9.3924	9.6004	9.6084
Cr 267.716	10.0643	9.8133	9.8464
Cu 324.754	21.2671	20.7011	21.1476
Fe 271.441	54.4032	57.9175	58.8822
K 766.491	1093.27	1074.22	1076.57
Mg 279.078	513.164	508.831	507.236
Mn 257.610	10.7836	10.6190	10.7353
Mo 202.032	10.1779	9.9733	9.6332
Na 330.237	893.093	1012.49	1045.49
Ni 231.604	40.4524	40.1818	40.1608
Pb 220.353	9.5405	8.8660	6.9795
Sb 206.834	20.8011	19.8511	19.7609
Se 196.026	13.9599	10.4388	20.7896
Sn 189.925	54.2557	49.4422	51.7866
Sr 216.596	9.5937	9.3009	9.8203
Ti 334.941	9.9355	9.7793	9.8051
Tl 190.794	27.0170	26.2567	25.2075
V 292.401	10.8075	10.6993	10.8426
Zn 206.200	21.0466	19.4478	21.8011

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.9957	ppb	0.0760	0.8	922.112
Al 308.215	202.558	ppb	2.9424	1.5	1900.81
As 188.980	19.4885	ppb	3.9600	20.3	9.3295
B 249.678	99.6011	ppb	0.5807	0.6	1932.48
Ba 389.178	10.1276	ppb	0.1109	1.1	200.160
Be 313.042	4.0987	ppb	0.0371	0.9	7768.64
Ca 370.602	502.5	ppb	5.178	1.0	1602
Cd 226.502	4.8234	ppb	0.0914	1.9	246.091
Co 228.615	9.5337	ppb	0.1224	1.3	111.034
Cr 267.716	9.9080	ppb	0.1364	1.4	600.679
Cu 324.754	21.0386	ppb	0.2984	1.4	1800.02
Fe 271.441	57.0676	ppb	2.3573	4.1	103.546
K 766.491	1081.35	ppb	10.3845	1.0	52475.7
Mg 279.078	509.744	ppb	3.0673	0.6	1500.06
Mn 257.610	10.7126	ppb	0.0846	0.8	2642.13
Mo 202.032	9.9281	ppb	0.2752	2.8	74.1366
Na 330.237	983.691	ppb	80.1763	8.2	81.2714
Ni 231.604	40.2650	ppb	0.1626	0.4	125.915
Pb 220.353	8.4620	ppb	1.3274	15.7	26.2705
Sb 206.834	20.1377	ppb	0.5763	2.9	24.7304
Se 196.026	15.0627	ppb	5.2628	34.9	14.3256
Sn 189.925	51.8282	ppb	2.4071	4.6	33.3321
Sr 216.596	9.5716	ppb	0.2604	2.7	117.565
Ti 334.941	9.8400	ppb	0.0837	0.9	3188.33
Tl 190.794	26.1604	ppb	0.9086	3.5	20.9364
V 292.401	10.7831	ppb	0.0747	0.7	310.316
Zn 206.200	20.7652	ppb	1.2017	5.8	22.3870

mb 680-369315/1-a (Samp) **2/4/2015, 9:38:23 PM** **Rack 2, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	-0.2360u	0.0826	0.0677
Al 308.215	8.9199	7.4912	9.2320
As 188.980	1.2037	-6.0424u	-2.5980u
B 249.678	0.7796	0.7466	1.0969
Ba 389.178	-0.0801u	-0.4259u	0.3552
Be 313.042	0.0057	0.0103	0.0097
Ca 370.602	14.71	13.83	13.20
Cd 226.502	0.0635	0.0130	-0.0278u
Co 228.615	-0.2005u	-0.0980u	-0.5927u
Cr 267.716	0.3476	0.3957	0.5876
Cu 324.754	0.0017	0.1093	0.1462
Fe 271.441	9.7481	12.4602	14.4656
K 766.491	8.3040	8.6597	8.3210
Mg 279.078	3.7191	6.5796	5.4573
Mn 257.610	0.4029	0.3380	0.3894
Mo 202.032	-0.1371u	0.0613	0.0023
Na 330.237	-46.9962u	17.6009	125.636
Ni 231.604	0.5813	1.4786	0.3726
Pb 220.353	0.6025	0.4878	-0.2799u
Sb 206.834	0.9901	0.9482	1.1648
Se 196.026	-6.8208u	-1.4097u	-5.3781u
Sn 189.925	5.6065	5.8217	8.0101
Sr 216.596	0.2834	-0.0072u	0.1142
Ti 334.941	0.2257	0.2564	0.2535
Tl 190.794	0.8746	1.3369	1.9357
V 292.401	0.0277	0.3477	0.0689
Zn 206.200	5.4858	4.8027	5.9928

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0286	ppb	0.1798	629.5	-12.4777
Al 308.215	8.5477	ppb	0.9282	10.9	390.830
As 188.980	-2.4789	ppb	3.6245	146.2	-5.9651
B 249.678	0.8744	ppb	0.1934	22.1	58.9128
Ba 389.178	-0.0503	ppb	0.3914	778.5	-46.7559
Be 313.042	0.0086	ppb	0.0025	29.6	-320.801
Ca 370.602	13.91	ppb	0.7564	5.4	59.32
Cd 226.502	0.0162	ppb	0.0458	281.6	25.1190
Co 228.615	-0.2971	ppb	0.2611	87.9	-4.3738
Cr 267.716	0.4437	ppb	0.1269	28.6	56.2079
Cu 324.754	0.0857	ppb	0.0751	87.6	195.142
Fe 271.441	12.2246	ppb	2.3675	19.4	26.5526
K 766.491	8.4283	ppb	0.2006	2.4	735.014
Mg 279.078	5.2520	ppb	1.4413	27.4	33.7953
Mn 257.610	0.3768	ppb	0.0342	9.1	154.767
Mo 202.032	-0.0245	ppb	0.1019	415.7	5.4733
Na 330.237	32.0804	ppb	87.2224	271.9	29.3603
Ni 231.604	0.8109	ppb	0.5877	72.5	-2.4735
Pb 220.353	0.2701	ppb	0.4798	177.6	13.1382
Sb 206.834	1.0344	ppb	0.1149	11.1	-2.4615
Se 196.026	-4.5362	ppb	2.8021	61.8	4.8795
Sn 189.925	6.4794	ppb	1.3300	20.5	-1.1528
Sr 216.596	0.1301	ppb	0.1460	112.2	3.8422

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.2452	ppb	0.0170	6.9	40.7437
Tl 190.794	1.3824	ppb	0.5320	38.5	-7.2805
V 292.401	0.1481	ppb	0.1741	117.5	-8.6716
Zn 206.200	5.4271	ppb	0.5972	11.0	6.1313

lcs 680-369315/2-a (Samp) **2/4/2015, 9:42:57 PM** **Rack 2, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	46.6305	47.0303	47.4854
Al 308.215	4685.44	4678.76	4760.01
As 188.980	95.2221	98.3448	98.0398
B 249.678	181.599	181.940	184.400
Ba 389.178	93.4723	93.2609	94.4865
Be 313.042	48.4811	48.5354	49.3291
Ca 370.602	4729	4737	4809
Cd 226.502	47.3381	47.2217	47.8792
Co 228.615	47.3128	47.7775	48.1451
Cr 267.716	97.6518	97.7978	99.5954
Cu 324.754	97.9272	97.5342	100.753
Fe 271.441	4646.99	4653.22	4717.89
K 766.491	5100.58	5078.20	5172.45
Mg 279.078	4764.42	4753.11	4838.06
Mn 257.610	497.209	497.199	505.837
Mo 202.032	94.2457	94.1568	95.4560
Na 330.237	4615.17	4603.62	4707.45
Ni 231.604	95.3998	96.1045	97.1933
Pb 220.353	467.967	468.234	476.002
Sb 206.834	47.7399	47.1509	46.8906
Se 196.026	84.6725	88.1581	88.1351
Sn 189.925	188.578	193.451	197.183
Sr 216.596	91.6860	92.6294	93.3478
Ti 334.941	93.9435	93.9028	95.6820
Tl 190.794	39.2008	37.1597	40.2778
V 292.401	97.0386	97.0376	98.3480
Zn 206.200	97.0283	97.1951	100.392

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.0488	ppb	0.4277	0.9	4376.66
Al 308.215	4708.07	ppb	45.1075	1.0	36940.6
As 188.980	97.2022	ppb	1.7216	1.8	63.3917
B 249.678	182.646	ppb	1.5285	0.8	3496.57
Ba 389.178	93.7399	ppb	0.6551	0.7	2232.42
Be 313.042	48.7818	ppb	0.4747	1.0	96145.1
Ca 370.602	4758	ppb	44.18	0.9	15006
Cd 226.502	47.4797	ppb	0.3509	0.7	2227.70
Co 228.615	47.7451	ppb	0.4171	0.9	559.794
Cr 267.716	98.3484	ppb	1.0824	1.1	5692.76
Cu 324.754	98.7383	ppb	1.7562	1.8	7754.72
Fe 271.441	4672.70	ppb	39.2560	0.8	7901.47
K 766.491	5117.08	ppb	49.2406	1.0	247094
Mg 279.078	4785.19	ppb	46.1302	1.0	13916.4
Mn 257.610	500.082	ppb	4.9847	1.0	120252
Mo 202.032	94.6195	ppb	0.7258	0.8	658.228

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	4642.08	ppb	56.9019	1.2	279.237
Ni 231.604	96.2325	ppb	0.9035	0.9	308.386
Pb 220.353	470.734	ppb	4.5637	1.0	768.321
Sb 206.834	47.2605	ppb	0.4351	0.9	63.2021
Se 196.026	86.9885	ppb	2.0058	2.3	49.1424
Sn 189.925	193.071	ppb	4.3153	2.2	140.739
Sr 216.596	92.5544	ppb	0.8334	0.9	1130.59
Ti 334.941	94.5094	ppb	1.0157	1.1	30965.2
Tl 190.794	38.8794	ppb	1.5837	4.1	34.8784
V 292.401	97.4748	ppb	0.7563	0.8	2907.49
Zn 206.200	98.2050	ppb	1.8955	1.9	104.229

680-109497-e-4-a (Samp) **2/4/2015, 9:47:31 PM** **Rack 2, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	-1.9672u	-1.7347u	-1.8698u
Al 308.215	101247	98823.2	98983.7
As 188.980	291.176	279.515	289.158
B 249.678	8.9593u	9.8103u	10.0771u
Ba 389.178	208.579	203.618	203.935
Be 313.042	3.1912	3.1088	3.1081
Ca 370.602	12541	12211	12259
Cd 226.502	-3.1996	-4.0780	-4.1286
Co 228.615	82.1070	80.4979	79.9749
Cr 267.716	272.964	265.634	266.252
Cu 324.754	177.475	175.178	175.700
Fe 271.441	365689	357492	358763
K 766.491	4129.94	4041.03	4039.74
Mg 279.078	2491.56	2429.87	2433.27
Mn 257.610	8327.23	8128.01	8131.92
Mo 202.032	9.0983	9.2913	8.7471
Na 330.237	-6.8568u	17.2362u	86.9518u
Ni 231.604	38.7309	33.2250	36.5978
Pb 220.353	147.519	143.870	142.834
Sb 206.834	5.4810	0.8621	6.6334
Se 196.026	7.0539	-1.8382	2.9932
Sn 189.925	16.8014	18.8525	19.8091
Sr 216.596	41.5641	40.6069	39.9073
Ti 334.941	3556.29	3469.54	3477.16
Tl 190.794	-1.5501u	3.8580u	-1.8415u
V 292.401	480.262	468.968	469.522
Zn 206.200	125.786	121.564	122.649

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.8572	ppb	0.1167	6.3	-204.619
Al 308.215	99684.8	ppb	1355.64	1.4	775347
As 188.980	286.616	ppb	6.2319	2.2	192.884
B 249.678	9.6156	ppb	0.5838	6.1	-725.049
Ba 389.178	205.377	ppb	2.7768	1.4	5218.32
Be 313.042	3.1361	ppb	0.0478	1.5	5889.80
Ca 370.602	12337	ppb	178.2	1.4	36686
Cd 226.502	-3.8020	ppb	0.5224	13.7	1620.75
Co 228.615	80.8599	ppb	1.1112	1.4	1050.89

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	268.283	ppb	4.0652	1.5	15695.7
Cu 324.754	176.118	ppb	1.2042	0.7	13832.1
Fe 271.441	360648	ppb	4411.71	1.2	608887
K 766.491	4070.24	ppb	51.7073	1.3	196611
Mg 279.078	2451.57	ppb	34.6793	1.4	6925.00
Mn 257.610	8195.72	ppb	113.906	1.4	1970087
Mo 202.032	9.0455	ppb	0.2759	3.1	50.3889
Na 330.237	32.4437	ppb	48.7182	150.2	-70.9349
Ni 231.604	36.1845	ppb	2.7761	7.7	144.819
Pb 220.353	144.741	ppb	2.4611	1.7	268.131
Sb 206.834	4.3255	ppb	3.0542	70.6	12.1802
Se 196.026	2.7363	ppb	4.4516	162.7	13.7718
Sn 189.925	18.4877	ppb	1.5367	8.3	7.9779
Sr 216.596	40.6927	ppb	0.8317	2.0	973.265
Ti 334.941	3500.99	ppb	48.0352	1.4	1148192
Tl 190.794	0.1554	ppb	3.2098	2064.9	-61.9132
V 292.401	472.918	ppb	6.3669	1.3	14152.8
Zn 206.200	123.333	ppb	2.1924	1.8	118.278

680-109497-e-4-aSD^5 (Samp) **2/4/2015, 9:52:05 PM** **Rack 2, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	-0.3654u	-0.5498u	-0.0140u
Al 308.215	19836.8	19862.3	19885.2
As 188.980	52.9173	56.0541	56.7569
B 249.678	1.8320u	1.8188u	2.1607u
Ba 389.178	42.4096	42.0599	42.3375
Be 313.042	0.6109	0.6051	0.6109
Ca 370.602	2519	2525	2534
Cd 226.502	-1.2947	-1.1334	-0.9366
Co 228.615	16.1011	15.6618	16.2896
Cr 267.716	54.3858	54.4437	54.8419
Cu 324.754	35.1019	34.8436	35.2314
Fe 271.441	74571.7	74535.1	74868.9
K 766.491	769.105	767.299	768.008
Mg 279.078	518.584	521.949	521.753
Mn 257.610	1733.13	1734.74	1741.12
Mo 202.032	1.3852	1.3764	2.0364
Na 330.237	7.1130u	10.4107u	28.9846u
Ni 231.604	8.0219	8.5192	7.1861
Pb 220.353	31.0882	29.6651	31.8492
Sb 206.834	1.5701	4.4423	3.5039
Se 196.026	1.0831	-2.0050	2.8089
Sn 189.925	2.7737	5.4615	6.0198
Sr 216.596	8.4311	8.4307	8.4633
Ti 334.941	726.526	726.755	727.114
Tl 190.794	-1.8169u	1.1526u	-1.8457u
V 292.401	96.0721	96.5546	96.0961
Zn 206.200	25.7629	25.0743	25.5737

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3097	ppb	0.2722	87.9	-42.9525
Al 308.215	19861.4	ppb	24.2209	0.1	154743

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	55.2428	ppb	2.0443	3.7	33.7195
B 249.678	1.9371	ppb	0.1937	10.0	-117.596
Ba 389.178	42.2690	ppb	0.1846	0.4	1038.22
Be 313.042	0.6090	ppb	0.0033	0.5	871.892
Ca 370.602	2526	ppb	7.386	0.3	7521
Cd 226.502	-1.1216	ppb	0.1793	16.0	339.553
Co 228.615	16.0175	ppb	0.3221	2.0	208.423
Cr 267.716	54.5571	ppb	0.2483	0.5	3217.34
Cu 324.754	35.0590	ppb	0.1974	0.6	2905.80
Fe 271.441	74658.6	ppb	183.073	0.2	126052
K 766.491	768.137	ppb	0.9098	0.1	37371.2
Mg 279.078	520.762	ppb	1.8886	0.4	1486.23
Mn 257.610	1736.33	ppb	4.2228	0.2	417424
Mo 202.032	1.5994	ppb	0.3785	23.7	13.0216
Na 330.237	15.5028	ppb	11.7914	76.1	7.7626
Ni 231.604	7.9091	ppb	0.6737	8.5	27.2893
Pb 220.353	30.8675	ppb	1.1087	3.6	67.0506
Sb 206.834	3.1721	ppb	1.4646	46.2	2.6318
Se 196.026	0.6290	ppb	2.4389	387.7	8.4933
Sn 189.925	4.7517	ppb	1.7355	36.5	-2.4668
Sr 216.596	8.4417	ppb	0.0187	0.2	203.706
Ti 334.941	726.798	ppb	0.2964	0.0	238330
Tl 190.794	-0.8367	ppb	1.7228	205.9	-20.8123
V 292.401	96.2409	ppb	0.2719	0.3	2869.33
Zn 206.200	25.4703	ppb	0.3558	1.4	24.7174

680-109497-e-4-aPDS (Samp) **2/4/2015, 9:56:40 PM** **Rack 2, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	65.6687	65.9914	66.0048
Al 308.215	99174.4	99227.0	98995.5
As 188.980	360.397	357.432	366.944
B 249.678	149.407	151.577	150.606
Ba 389.178	265.308	266.053	266.391
Be 313.042	77.0891	77.0653	77.1958
Ca 370.602	19437	19427	19378
Cd 226.502	66.7249	66.3928	66.9642
Co 228.615	151.614	151.065	150.210
Cr 267.716	337.588	337.731	337.766
Cu 324.754	250.881	251.490	250.949
Fe 271.441	361554	360745	360087
K 766.491	12269.7	12240.4	12278.7
Mg 279.078	9536.84	9531.32	9544.73
Mn 257.610	8758.19	8766.40	8737.70
Mo 202.032	80.7152	80.0433	81.2421
Na 330.237	6748.67	6838.74	6907.64
Ni 231.604	106.607	108.323	106.539
Pb 220.353	211.395	211.953	209.647
Sb 206.834	75.1817	79.9779	78.3968
Se 196.026	59.3111	72.3063	76.2701
Sn 189.925	93.7972	90.4037	91.9156
Sr 216.596	109.210	108.747	109.106
Ti 334.941	3491.02	3501.23	3507.19

Label	Replicates Concentration		
Tl 190.794	16.4182u	14.5888u	18.6570u
V 292.401	540.219	541.504	541.906
Zn 206.200	199.297	198.019	192.175

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	65.8883	ppb	0.1903	0.3	6113.95
Al 308.215	99132.3	ppb	121.340	0.1	771065
As 188.980	361.591	ppb	4.8672	1.3	245.074
B 249.678	150.530	ppb	1.0868	0.7	1949.83
Ba 389.178	265.917	ppb	0.5541	0.2	6696.09
Be 313.042	77.1167	ppb	0.0695	0.1	152219
Ca 370.602	19414	ppb	31.49	0.2	58986
Cd 226.502	66.6940	ppb	0.2870	0.4	4858.66
Co 228.615	150.963	ppb	0.7077	0.5	1872.54
Cr 267.716	337.695	ppb	0.0947	0.0	19690.7
Cu 324.754	251.107	ppb	0.3334	0.1	19576.9
Fe 271.441	360795	ppb	734.996	0.2	609145
K 766.491	12262.9	ppb	20.0393	0.2	591696
Mg 279.078	9537.63	ppb	6.7400	0.1	27512.5
Mn 257.610	8754.09	ppb	14.7791	0.2	2104282
Mo 202.032	80.6668	ppb	0.6009	0.7	544.528
Na 330.237	6831.68	ppb	79.7187	1.2	300.996
Ni 231.604	107.156	ppb	1.0111	0.9	375.631
Pb 220.353	210.998	ppb	1.2033	0.6	374.507
Sb 206.834	77.8521	ppb	2.4441	3.1	116.710
Se 196.026	69.2958	ppb	8.8713	12.8	45.9755
Sn 189.925	92.0388	ppb	1.7001	1.8	63.9108
Sr 216.596	109.021	ppb	0.2432	0.2	1803.09
Ti 334.941	3499.81	ppb	8.1782	0.2	1147817
Tl 190.794	16.5547	ppb	2.0375	12.3	-42.9044
V 292.401	541.209	ppb	0.8813	0.2	16198.6
Zn 206.200	196.497	ppb	3.7973	1.9	195.777

680-109497-e-4-b ms (Samp) **2/4/2015, 10:01:15 PM** **Rack 2, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	47.5089	47.5421	47.9738
Al 308.215	120720	120526	120381
As 188.980	323.969	316.437	322.125
B 249.678	200.537	200.840	201.583
Ba 389.178	513.756	512.027	514.169
Be 313.042	51.5463	51.4403	51.5300
Ca 370.602	141289	141421	140271
Cd 226.502	44.5682	43.7767	43.7820
Co 228.615	164.208	160.615	162.696
Cr 267.716	257.058	256.999	257.243
Cu 324.754	301.984	297.852	299.522
Fe 271.441	316148	315264	316035
K 766.491	12096.8	12472.8	12514.3
Mg 279.078	11729.2	11708.9	11701.2
Mn 257.610	9561.22	9497.30	9505.66
Mo 202.032	96.8292	97.0881	96.7923
Na 330.237	5397.32	5260.88	5344.18

Label	Replicates Concentration		
Ni 231.604	149.203	151.377	151.268
Pb 220.353	627.919	619.150	620.646
Sb 206.834	25.4796	22.8289	25.2657
Se 196.026	87.1472	84.5418	79.8623
Sn 189.925	200.021	203.324	202.383
Sr 216.596	294.441	294.871	292.376
Ti 334.941	4310.50	4301.05	4323.51
Tl 190.794	35.5326u	39.8972	41.7885
V 292.401	520.719	520.110	520.621
Zn 206.200	359.860	362.362	366.930

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.6749	ppb	0.2593	0.5	4420.93
Al 308.215	120542	ppb	169.711	0.1	937489
As 188.980	320.844	ppb	3.9264	1.2	217.000
B 249.678	200.987	ppb	0.5380	0.3	3024.55
Ba 389.178	513.317	ppb	1.1360	0.2	12635.4
Be 313.042	51.5055	ppb	0.0571	0.1	101605
Ca 370.602	140994	ppb	629.6	0.4	442750
Cd 226.502	44.0423	ppb	0.4555	1.0	3595.94
Co 228.615	162.506	ppb	1.8039	1.1	2022.13
Cr 267.716	257.100	ppb	0.1272	0.0	15037.5
Cu 324.754	299.786	ppb	2.0784	0.7	23285.6
Fe 271.441	315816	ppb	481.011	0.2	533209
K 766.491	12361.3	ppb	230.011	1.9	596438
Mg 279.078	11713.1	ppb	14.4347	0.1	33811.2
Mn 257.610	9521.39	ppb	34.7447	0.4	2288478
Mo 202.032	96.9032	ppb	0.1612	0.2	658.719
Na 330.237	5334.13	ppb	68.7766	1.3	226.737
Ni 231.604	150.616	ppb	1.2249	0.8	513.032
Pb 220.353	622.572	ppb	4.6907	0.8	1031.25
Sb 206.834	24.5247	ppb	1.4725	6.0	38.5550
Se 196.026	83.8504	ppb	3.6913	4.4	52.7465
Sn 189.925	201.909	ppb	1.7015	0.8	147.459
Sr 216.596	293.896	ppb	1.3339	0.5	4035.28
Ti 334.941	4311.69	ppb	11.2755	0.3	1414076
Tl 190.794	39.0728	ppb	3.2084	8.2	-9.6331
V 292.401	520.483	ppb	0.3269	0.1	15597.3
Zn 206.200	363.051	ppb	3.5852	1.0	374.220

680-109497-e-4-c msd (Samp) **2/4/2015, 10:05:50 PM** **Rack 2, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	46.6540	47.1701	46.5715
Al 308.215	107080	107203	107361
As 188.980	335.548	344.013	341.728
B 249.678	173.732	174.944	174.848
Ba 389.178	297.083	297.429	296.776
Be 313.042	52.5687	52.5886	52.6015
Ca 370.602	22199	22208	22268
Cd 226.502	43.8406	43.2239	43.1212
Co 228.615	122.554	123.241	124.068
Cr 267.716	408.625	408.994	409.769

Label	Replicates Concentration		
Cu 324.754	276.310	275.262	276.107
Fe 271.441	411741	410846	410855
K 766.491	9342.88	9348.96	9337.93
Mg 279.078	6932.54	6945.74	6956.78
Mn 257.610	8042.44	8095.82	8076.40
Mo 202.032	92.9081	95.2428	94.7224
Na 330.237	4909.43	4829.67	4996.84
Ni 231.604	118.183	117.394	119.163
Pb 220.353	599.198	603.584	613.573
Sb 206.834	21.4502	23.5316	23.0567
Se 196.026	77.0813	87.7869	71.4309
Sn 189.925	205.844	198.426	205.070
Sr 216.596	136.383	136.655	137.464
Ti 334.941	4367.66	4355.42	4342.56
Tl 190.794	35.1356u	37.7909u	37.5623u
V 292.401	632.026	632.354	633.040
Zn 206.200	208.593	212.165	210.119

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.7985	ppb	0.3244	0.7	4319.47
Al 308.215	107215	ppb	140.532	0.1	833915
As 188.980	340.429	ppb	4.3794	1.3	229.985
B 249.678	174.508	ppb	0.6734	0.4	2270.05
Ba 389.178	297.096	ppb	0.3269	0.1	7485.48
Be 313.042	52.5863	ppb	0.0165	0.0	103700
Ca 370.602	22225	ppb	37.76	0.2	67661
Cd 226.502	43.3952	ppb	0.3891	0.9	4037.53
Co 228.615	123.287	ppb	0.7581	0.6	1569.50
Cr 267.716	409.129	ppb	0.5839	0.1	23824.3
Cu 324.754	275.893	ppb	0.5556	0.2	21497.3
Fe 271.441	411147	ppb	514.513	0.1	694150
K 766.491	9343.26	ppb	5.5273	0.1	450897
Mg 279.078	6945.02	ppb	12.1358	0.2	19987.3
Mn 257.610	8071.55	ppb	27.0163	0.3	1940466
Mo 202.032	94.2911	ppb	1.2257	1.3	636.023
Na 330.237	4911.98	ppb	83.6138	1.7	181.395
Ni 231.604	118.247	ppb	0.8860	0.7	416.358
Pb 220.353	605.452	ppb	7.3676	1.2	1010.28
Sb 206.834	22.6795	ppb	1.0907	4.8	39.7004
Se 196.026	78.7663	ppb	8.3072	10.5	50.8577
Sn 189.925	203.113	ppb	4.0779	2.0	148.374
Sr 216.596	136.834	ppb	0.5623	0.4	2208.07
Ti 334.941	4355.21	ppb	12.5525	0.3	1428354
Tl 190.794	36.8296	ppb	1.4715	4.0	-28.4061
V 292.401	632.473	ppb	0.5175	0.1	18938.0
Zn 206.200	210.292	ppb	1.7923	0.9	208.519

680-109515-a-61-a (Samp) **2/4/2015, 10:10:25 PM** **Rack 2, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-0.9019u	-1.5035u	-0.7803u
Al 308.215	108493	108377	108447
As 188.980	191.439	185.046	183.995

Label	Replicates Concentration		
B 249.678	17.7261u	18.9599u	19.2461u
Ba 389.178	383.677	382.329	382.362
Be 313.042	12.8697	12.8374	12.8733
Ca 370.602	15585	15605	15548
Cd 226.502	-3.6895	-4.0200	-3.6909
Co 228.615	98.6590	99.0104	99.5588
Cr 267.716	449.803	448.581	449.504
Cu 324.754	68.8100	68.7003	67.8232
Fe 271.441	586711	582802	585739
K 766.491	2144.33	2145.24	2155.05
Mg 279.078	7573.24	7547.95	7554.41
Mn 257.610	4448.59	4436.37	4447.61
Mo 202.032	13.9291	12.9093	13.7003
Na 330.237	226.826u	262.164u	54.7549u
Ni 231.604	47.6658	45.9614	48.5221
Pb 220.353	376.224	369.859	378.368
Sb 206.834	9.0172	3.4916	10.5536
Se 196.026	4.9052	-6.1893	1.8483
Sn 189.925	22.6681	23.7443	21.7207
Sr 216.596	56.4548	56.8319	55.9739
Ti 334.941	652.995	651.111	652.378
Tl 190.794	-0.3464u	-2.7706u	-6.5632u
V 292.401	827.409	826.943	827.268
Zn 206.200	555.389	559.821	548.380

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0619	ppb	0.3873	36.5	-194.035
Al 308.215	108439	ppb	58.4694	0.1	843482
As 188.980	186.827	ppb	4.0286	2.2	121.847
B 249.678	18.6440	ppb	0.8077	4.3	-1146.66
Ba 389.178	382.789	ppb	0.7692	0.2	9700.36
Be 313.042	12.8602	ppb	0.0198	0.2	25138.1
Ca 370.602	15580	ppb	28.94	0.2	42825
Cd 226.502	-3.8001	ppb	0.1904	5.0	2735.84
Co 228.615	99.0761	ppb	0.4535	0.5	1218.72
Cr 267.716	449.296	ppb	0.6370	0.1	26194.8
Cu 324.754	68.4445	ppb	0.5408	0.8	5682.96
Fe 271.441	585084	ppb	2035.42	0.3	987798
K 766.491	2148.20	ppb	5.9477	0.3	103923
Mg 279.078	7558.53	ppb	13.1398	0.2	21850.0
Mn 257.610	4444.19	ppb	6.7878	0.2	1069669
Mo 202.032	13.5129	ppb	0.5351	4.0	70.1193
Na 330.237	181.248	ppb	110.962	61.2	-133.794
Ni 231.604	47.3831	ppb	1.3035	2.8	201.433
Pb 220.353	374.817	ppb	4.4255	1.2	653.362
Sb 206.834	7.6875	ppb	3.7141	48.3	23.3873
Se 196.026	0.1881	ppb	5.7305	3047.2	13.7808
Sn 189.925	22.7111	ppb	1.0125	4.5	11.1891
Sr 216.596	56.4202	ppb	0.4300	0.8	1459.92
Ti 334.941	652.161	ppb	0.9602	0.1	213940
Tl 190.794	-3.2267	ppb	3.1334	97.1	-103.704
V 292.401	827.207	ppb	0.2388	0.0	24740.2
Zn 206.200	554.530	ppb	5.7689	1.0	567.718

Cont Calib Verif (CCV) **2/4/2015, 10:15:00 PM** **Rack 2, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	460.914	465.239	463.461
Al 308.215	4626.26	4631.07	4629.02
As 188.980	469.287	475.889	473.171
B 249.678	467.810	469.648	469.670
Ba 389.178	4583.38	4576.89	4576.37
Be 313.042	472.549	471.427	472.583
Ca 370.602	4659	4663	4650
Cd 226.502	463.402	464.385	463.286
Co 228.615	473.394	473.568	471.834
Cr 267.716	4752.83	4760.56	4743.82
Cu 324.754	4856.50	4840.96	4799.36
Fe 271.441	4595.72	4594.63	4576.86
K 766.491	10051.3	10040.6	10065.6
Mg 279.078	4757.79	4757.33	4751.62
Mn 257.610	4775.94	4782.64	4775.04
Mo 202.032	461.889	462.788	459.530
Na 330.237	7312.13	7282.19	7243.77
Ni 231.604	2383.84	2388.87	2377.03
Pb 220.353	466.664	463.219	469.531
Sb 206.834	920.205	914.843	919.014
Se 196.026	4717.08	4690.28	4724.36
Sn 189.925	4678.22	4676.09	4605.77
Sr 216.596	2296.69	2295.52	2286.34
Ti 334.941	450.554	451.007	450.792
Tl 190.794	4721.24	4732.88	4747.28
V 292.401	4697.86	4705.90	4697.21
Zn 206.200	2324.13	2330.89	2316.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	463.204	ppb	2.1741	0.5	43142.0	92.64088
Al 308.215	4628.79	ppb	2.4149	0.1	37037.9	92.57571
As 188.980	472.782	ppb	3.3182	0.7	324.832	94.55638
B 249.678	469.043	ppb	1.0673	0.2	8945.90	93.80854
Ba 389.178	4578.88	ppb	3.9087	0.1	110506	91.57759
Be 313.042	472.186	ppb	0.6580	0.1	933859	94.43729
Ca 370.602	4657	ppb	6.561	0.1	15027	93.14799
Cd 226.502	463.691	ppb	0.6036	0.1	21341.0	92.73819
Co 228.615	472.932	ppb	0.9547	0.2	5559.77	94.58643
Cr 267.716	4752.40	ppb	8.3796	0.2	273426	95.04807
Cu 324.754	4832.27	ppb	29.5411	0.6	370201	96.64543
Fe 271.441	4589.07	ppb	10.5904	0.2	7854.28	91.78140
K 766.491	10052.5	ppb	12.5454	0.1	485099	100.52483
Mg 279.078	4755.58	ppb	3.4367	0.1	13736.3	95.11157
Mn 257.610	4777.87	ppb	4.1521	0.1	1147880	95.55748
Mo 202.032	461.402	ppb	1.6825	0.4	3184.11	92.28048
Na 330.237	7279.36	ppb	34.2677	0.5	370.665	97.05813
Ni 231.604	2383.25	ppb	5.9444	0.2	7750.71	95.32986
Pb 220.353	466.471	ppb	3.1607	0.7	765.347	93.29424
Sb 206.834	918.021	ppb	2.8154	0.3	1359.23	91.80209
Se 196.026	4710.57	ppb	17.9473	0.4	2277.92	94.21143
Sn 189.925	4653.36	ppb	41.2247	0.9	3532.48	93.06721
Sr 216.596	2292.85	ppb	5.6683	0.2	27787.6	91.71391

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	450.784	ppb	0.2263	0.1	147808	90.15688
Tl 190.794	4733.80	ppb	13.0429	0.3	5389.83	94.67596
V 292.401	4700.33	ppb	4.8413	0.1	141802	94.00652
Zn 206.200	2323.87	ppb	7.1568	0.3	2456.82	92.95480

Cont Calib Blank (CCB) **2/4/2015, 10:19:34 PM** **Rack 2, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0159u	0.1301	0.0883
Al 308.215	3.0841	2.5859	2.4095
As 188.980	-1.7412u	-0.5836u	-4.9320u
B 249.678	2.1365	2.0602	1.2940
Ba 389.178	0.3650	0.2568	-0.1984u
Be 313.042	0.0228	0.0187	0.0178
Ca 370.602	3.532	3.239	0.4215
Cd 226.502	-0.0230u	0.0989	-0.0925u
Co 228.615	0.0644	-0.1058u	0.2181
Cr 267.716	-0.0274u	-0.1701u	0.1202
Cu 324.754	0.0227	0.1492	-0.0957u
Fe 271.441	6.2103	5.0232	7.3171
K 766.491	0.0130	0.0413	-0.3458u
Mg 279.078	1.3092	-1.0990u	-1.2631u
Mn 257.610	0.2126	0.2329	0.2451
Mo 202.032	0.4995	0.0723	-0.0008u
Na 330.237	-12.8921u	5.7386	-10.5369u
Ni 231.604	1.2137	-0.1226u	0.7603
Pb 220.353	-0.0720u	0.0305	0.8249
Sb 206.834	3.2082	3.4159	-0.2173u
Se 196.026	-0.4773u	1.1852	-2.2917u
Sn 189.925	0.9717	1.4186	3.3453
Sr 216.596	0.0127	0.0455	-0.4318u
Ti 334.941	0.2459	0.2087	0.2452
Tl 190.794	0.7148	1.4963	0.8422
V 292.401	0.4221	0.3184	0.4467
Zn 206.200	-0.3315u	-1.2087u	1.1153

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0675	ppb	0.0752	111.4	-3.5050	0.06750
Al 308.215	2.6932	ppb	0.3499	13.0	345.358	2.69316
As 188.980	-2.4189	ppb	2.2520	93.1	-5.9234	-2.41894
B 249.678	1.8302	ppb	0.4659	25.5	77.0800	1.83022
Ba 389.178	0.1411	ppb	0.2990	211.9	-42.1520	0.14113
Be 313.042	0.0198	ppb	0.0027	13.6	-298.651	0.01978
Ca 370.602	2.397	ppb	1.717	71.6	23.14	2.39726
Cd 226.502	-0.0055	ppb	0.0969	1754.9	24.0866	-0.00552
Co 228.615	0.0589	ppb	0.1620	275.0	-0.1954	0.05890
Cr 267.716	-0.0258	ppb	0.1452	563.5	29.1949	-0.02576
Cu 324.754	0.0254	ppb	0.1225	482.6	190.521	0.02538
Fe 271.441	6.1835	ppb	1.1472	18.6	16.3958	6.18352
K 766.491	-0.0971	ppb	0.2158	222.1	323.884	-0.09715
Mg 279.078	-0.3510	ppb	1.4400	410.3	17.5134	-0.35096
Mn 257.610	0.2302	ppb	0.0165	7.1	119.491	0.23020
Mo 202.032	0.1903	ppb	0.2702	142.0	6.9557	0.19033

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-5.8968	ppb	10.1452	172.0	27.4023	-5.89683
Ni 231.604	0.6171	ppb	0.6796	110.1	-3.1055	0.61714
Pb 220.353	0.2611	ppb	0.4909	188.0	13.1225	0.26111
Sb 206.834	2.1356	ppb	2.0403	95.5	-0.9021	2.13563
Se 196.026	-0.5280	ppb	1.7390	329.4	6.8107	-0.52797
Sn 189.925	1.9118	ppb	1.2613	66.0	-4.6261	1.91184
Sr 216.596	-0.1245	ppb	0.2666	214.1	0.7393	-0.12451
Ti 334.941	0.2333	ppb	0.0213	9.1	36.8098	0.23327
Tl 190.794	1.0178	ppb	0.4193	41.2	-7.6939	1.01775
V 292.401	0.3957	ppb	0.0681	17.2	-1.1970	0.39574
Zn 206.200	-0.1416	ppb	1.1736	828.6	0.2231	-0.14163

680-109515-a-62-a (Samp) **2/4/2015, 10:24:09 PM** **Rack 2, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	-1.6004u	-1.3425u	-1.5184u
Al 308.215	107937	107912	107866
As 188.980	190.743	187.460	182.677
B 249.678	14.6095u	15.2385u	14.0332u
Ba 389.178	356.262	355.364	355.414
Be 313.042	12.1055	12.0800	12.0843
Ca 370.602	10835	10774	10815
Cd 226.502	-4.3840	-4.3852	-4.1772
Co 228.615	79.2455	78.7320	78.5340
Cr 267.716	437.846	436.752	435.964
Cu 324.754	29.2238	28.4790	27.8640
Fe 271.441	548378	547131	548005
K 766.491	2079.36	2085.64	2079.82
Mg 279.078	7329.58	7318.37	7304.86
Mn 257.610	4117.76	4106.24	4096.45
Mo 202.032	7.7188	8.4523	7.5346
Na 330.237	49.3262u	67.0557u	-130.957u
Ni 231.604	42.2919	43.1515	42.4468
Pb 220.353	178.697	179.326	177.283
Sb 206.834	6.9134	6.5579	10.5351
Se 196.026	-21.3560u	3.1355	-11.4066
Sn 189.925	14.9321	18.9301	23.5689
Sr 216.596	58.2473	59.8397	59.2895
Ti 334.941	748.432	747.789	746.662
Tl 190.794	-3.4960u	0.4348u	-0.1126u
V 292.401	847.816	846.244	845.773
Zn 206.200	289.184	281.918	286.601

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4871	ppb	0.1318	8.9	-228.617
Al 308.215	107905	ppb	36.3435	0.0	839328
As 188.980	186.960	ppb	4.0561	2.2	122.196
B 249.678	14.6271	ppb	0.6029	4.1	-1124.95
Ba 389.178	355.680	ppb	0.5047	0.1	9014.56
Be 313.042	12.0899	ppb	0.0137	0.1	23616.6
Ca 370.602	10808	ppb	30.95	0.3	28263
Cd 226.502	-4.3155	ppb	0.1197	2.8	2528.68
Co 228.615	78.8372	ppb	0.3672	0.5	980.634

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	436.854	ppb	0.9451	0.2	25458.3
Cu 324.754	28.5222	ppb	0.6809	2.4	2608.29
Fe 271.441	547838	ppb	640.212	0.1	924914
K 766.491	2081.61	ppb	3.5014	0.2	100712
Mg 279.078	7317.60	ppb	12.3790	0.2	21157.4
Mn 257.610	4106.82	ppb	10.6673	0.3	988499
Mo 202.032	7.9019	ppb	0.4855	6.1	33.1484
Na 330.237	-4.8583	ppb	109.564	2255.2	-127.490
Ni 231.604	42.6301	ppb	0.4582	1.1	182.679
Pb 220.353	178.435	ppb	1.0461	0.6	335.592
Sb 206.834	8.0021	ppb	2.2008	27.5	23.0897
Se 196.026	-9.8757	ppb	12.3173	124.7	8.4972
Sn 189.925	19.1437	ppb	4.3224	22.6	8.4764
Sr 216.596	59.1255	ppb	0.8088	1.4	1442.51
Ti 334.941	747.628	ppb	0.8962	0.1	245243
Tl 190.794	-1.0579	ppb	2.1291	201.2	-95.3758
V 292.401	846.611	ppb	1.0702	0.1	25345.3
Zn 206.200	285.901	ppb	3.6833	1.3	283.970

680-109515-a-63-a (Samp) **2/4/2015, 10:28:43 PM** **Rack 2, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-2.1934u	-2.4125u	-1.5687u
Al 308.215	126941	126666	129799
As 188.980	263.474	270.994	271.133
B 249.678	21.7728u	22.1608u	20.6793u
Ba 389.178	796.465	794.802	814.071
Be 313.042	18.1856	18.1599	18.6294
Ca 370.602	161720	159120	163942
Cd 226.502	-0.4362	-0.7189	0.7420
Co 228.615	111.806	111.366	114.850
Cr 267.716	380.234	379.139	388.342
Cu 324.754	174.347	173.229	178.541
Fe 271.441	495634	494078	507930
K 766.491	6220.43	6211.88	6375.44
Mg 279.078	79033.6	78830.2	80819.0
Mn 257.610	7927.74	7935.67	8086.26
Mo 202.032	20.2059	20.3850	20.5907
Na 330.237	234.480u	246.553u	277.696u
Ni 231.604	113.347	117.581	117.066
Pb 220.353	491.257	488.345	499.321
Sb 206.834	8.2594	8.7944	11.6685
Se 196.026	-4.1987	-15.6125u	-6.2406
Sn 189.925	46.0508	40.9311	45.0090
Sr 216.596	253.862	249.412	259.688
Ti 334.941	662.626	662.475	679.255
Tl 190.794	-0.9041u	-2.9730u	-7.5011u
V 292.401	639.308	637.939	654.927
Zn 206.200	908.520	913.586	935.589

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0582	ppb	0.4379	21.3	-260.253
Al 308.215	127802	ppb	1735.00	1.4	993961

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	268.534	ppb	4.3827	1.6	179.336
B 249.678	21.5376	ppb	0.7683	3.6	-864.520
Ba 389.178	801.779	ppb	10.6774	1.3	19903.3
Be 313.042	18.3249	ppb	0.2640	1.4	35991.3
Ca 370.602	161594	ppb	2413	1.5	503687
Cd 226.502	-0.1377	ppb	0.7748	562.7	2479.82
Co 228.615	112.674	ppb	1.8973	1.7	1372.46
Cr 267.716	382.571	ppb	5.0269	1.3	22332.5
Cu 324.754	175.373	ppb	2.8005	1.6	13835.7
Fe 271.441	499214	ppb	7588.64	1.5	842827
K 766.491	6269.25	ppb	92.0653	1.5	302657
Mg 279.078	79560.9	ppb	1094.24	1.4	231078
Mn 257.610	7983.22	ppb	89.3226	1.1	1920158
Mo 202.032	20.3939	ppb	0.1926	0.9	121.907
Na 330.237	252.910	ppb	22.2978	8.8	-115.380
Ni 231.604	115.998	ppb	2.3104	2.0	416.983
Pb 220.353	492.974	ppb	5.6861	1.2	837.490
Sb 206.834	9.5741	ppb	1.8334	19.1	23.5126
Se 196.026	-8.6840	ppb	6.0865	70.1	9.5335
Sn 189.925	43.9970	ppb	2.7057	6.1	27.3758
Sr 216.596	254.321	ppb	5.1531	2.0	3804.08
Ti 334.941	668.119	ppb	9.6444	1.4	219306
Tl 190.794	-3.7927	ppb	3.3740	89.0	-88.7620
V 292.401	644.058	ppb	9.4378	1.5	19239.8
Zn 206.200	919.231	ppb	14.3908	1.6	957.831

CRI (Samp) **2/4/2015, 10:33:17 PM** **Rack 2, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	10.4205	9.8726	9.8037
Al 308.215	204.083	201.069	195.847
As 188.980	23.5567	20.5342	19.6176
B 249.678	100.097	99.5429	98.1204
Ba 389.178	9.4537	9.9396	9.3407
Be 313.042	4.1226	4.1042	4.0236
Ca 370.602	502.7	502.1	491.9
Cd 226.502	4.9154	4.9558	4.7248
Co 228.615	9.4755	10.0096	9.5204
Cr 267.716	9.9196	9.7962	9.7660
Cu 324.754	21.1528	21.1785	20.9571
Fe 271.441	68.1867	61.2020	65.8257
K 766.491	1091.15	1081.05	1057.39
Mg 279.078	514.294	513.176	503.820
Mn 257.610	10.7619	10.7571	10.5509
Mo 202.032	9.8535	9.9128	9.9048
Na 330.237	1109.48	991.787	941.026
Ni 231.604	39.7390	39.5654	39.4040
Pb 220.353	11.1341	9.6993	7.7093
Sb 206.834	20.7967	21.2680	18.6945
Se 196.026	19.8079	20.0295	18.9017
Sn 189.925	53.6688	49.6866	49.3570
Sr 216.596	9.8232	9.8839	9.6823
Ti 334.941	10.0011	9.8501	9.6724

Label	Replicates Concentration		
Tl 190.794	26.7212	21.8967	25.8025
V 292.401	11.0347	10.7254	10.3189
Zn 206.200	22.1218	21.4393	19.9875

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.0323	ppb	0.3380	3.4	925.515
Al 308.215	200.333	ppb	4.1669	2.1	1883.50
As 188.980	21.2362	ppb	2.0613	9.7	10.5465
B 249.678	99.2534	ppb	1.0196	1.0	1925.84
Ba 389.178	9.5780	ppb	0.3182	3.3	186.907
Be 313.042	4.0835	ppb	0.0527	1.3	7738.49
Ca 370.602	498.9	ppb	6.048	1.2	1591
Cd 226.502	4.8653	ppb	0.1233	2.5	248.072
Co 228.615	9.6685	ppb	0.2963	3.1	112.619
Cr 267.716	9.8273	ppb	0.0814	0.8	596.041
Cu 324.754	21.0961	ppb	0.1211	0.6	1804.44
Fe 271.441	65.0715	ppb	3.5529	5.5	117.079
K 766.491	1076.53	ppb	17.3298	1.6	52243.1
Mg 279.078	510.430	ppb	5.7519	1.1	1502.06
Mn 257.610	10.6900	ppb	0.1205	1.1	2636.74
Mo 202.032	9.8904	ppb	0.0322	0.3	73.8758
Na 330.237	1014.10	ppb	86.4124	8.5	82.9293
Ni 231.604	39.5695	ppb	0.1675	0.4	123.652
Pb 220.353	9.5143	ppb	1.7199	18.1	27.9597
Sb 206.834	20.2531	ppb	1.3702	6.8	24.8938
Se 196.026	19.5797	ppb	0.5975	3.1	16.5021
Sn 189.925	50.9042	ppb	2.3999	4.7	32.6295
Sr 216.596	9.7965	ppb	0.1034	1.1	120.328
Ti 334.941	9.8412	ppb	0.1645	1.7	3188.74
Tl 190.794	24.8068	ppb	2.5618	10.3	19.3939
V 292.401	10.6930	ppb	0.3590	3.4	307.586
Zn 206.200	21.1829	ppb	1.0900	5.1	22.8300

mb 680-369386/1-a (Samp) **2/4/2015, 10:37:51 PM** **Rack 2, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	0.2363	0.0271	0.0974
Al 308.215	3.9334	3.7994	6.1972
As 188.980	-0.9804u	-0.5266u	-1.0632u
B 249.678	0.7337	0.3483	0.4667
Ba 389.178	0.0347	0.4232	-0.2793u
Be 313.042	0.0039	0.0148	0.0044
Ca 370.602	5.229	0.1887	-0.7870u
Cd 226.502	-0.0491u	-0.0917u	0.0138
Co 228.615	-0.2456u	-0.0832u	-0.1321u
Cr 267.716	-0.1715u	-0.2503u	-0.2164u
Cu 324.754	-0.0330u	-0.2802u	-0.1073u
Fe 271.441	8.2949	9.2363	8.6929
K 766.491	-0.7037u	-0.1665u	-0.7770u
Mg 279.078	2.8750	-0.7050u	0.4753
Mn 257.610	0.8883	0.9170	0.9265
Mo 202.032	-0.0455u	-0.0034u	-0.1586u
Na 330.237	43.2583	134.205	52.9346

Label	Replicates Concentration		
Ni 231.604	0.3158	-0.0664u	-0.5345u
Pb 220.353	-0.9204u	-0.4570u	-0.9814u
Sb 206.834	2.8230	0.7251	-0.9003u
Se 196.026	-1.1877u	-2.6371u	-1.9920u
Sn 189.925	3.0456	1.8486	-0.6640u
Sr 216.596	-0.1685u	0.4551	-0.0266u
Ti 334.941	0.1179	0.1183	0.1292
Tl 190.794	0.0131	1.6197	1.6767
V 292.401	0.1137	-0.0040u	0.1342
Zn 206.200	0.7363	0.9320	-0.8222u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1203	ppb	0.1065	88.5	1.4129
Al 308.215	4.6433	ppb	1.3474	29.0	360.476
As 188.980	-0.8567	ppb	0.2889	33.7	-4.8355
B 249.678	0.5162	ppb	0.1974	38.2	52.1235
Ba 389.178	0.0595	ppb	0.3519	591.2	-44.1168
Be 313.042	0.0077	ppb	0.0062	80.2	-322.534
Ca 370.602	1.543	ppb	3.229	209.2	20.36
Cd 226.502	-0.0423	ppb	0.0531	125.5	22.4134
Co 228.615	-0.1536	ppb	0.0833	54.2	-2.6900
Cr 267.716	-0.2128	ppb	0.0395	18.6	18.4456
Cu 324.754	-0.1402	ppb	0.1268	90.5	177.842
Fe 271.441	8.7413	ppb	0.4726	5.4	20.6852
K 766.491	-0.5491	ppb	0.3333	60.7	302.091
Mg 279.078	0.8818	ppb	1.8243	206.9	21.0808
Mn 257.610	0.9106	ppb	0.0199	2.2	282.965
Mo 202.032	-0.0692	ppb	0.0803	116.0	5.1650
Na 330.237	76.7993	ppb	49.9496	65.0	31.9355
Ni 231.604	-0.0950	ppb	0.4259	448.2	-5.4224
Pb 220.353	-0.7863	ppb	0.2868	36.5	11.4424
Sb 206.834	0.8826	ppb	1.8667	211.5	-2.6876
Se 196.026	-1.9389	ppb	0.7262	37.5	6.1310
Sn 189.925	1.4101	ppb	1.8933	134.3	-5.0076
Sr 216.596	0.0867	ppb	0.3268	377.1	3.3293
Ti 334.941	0.1218	ppb	0.0064	5.3	0.2445
Tl 190.794	1.1032	ppb	0.9445	85.6	-7.5973
V 292.401	0.0813	ppb	0.0746	91.8	-10.6607
Zn 206.200	0.2820	ppb	0.9613	340.9	0.6730

llcs 680-369386/2-a (Samp) **2/4/2015, 10:42:25 PM** **Rack 2, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.1977	10.7083	10.4421
Al 308.215	210.459	209.057	209.819
As 188.980	20.3579	22.1934	21.1182
B 249.678	104.000	103.669	104.920
Ba 389.178	11.1103	10.4903	10.7525
Be 313.042	4.1639	4.1545	4.1880
Ca 370.602	520.6	521.3	525.8
Cd 226.502	5.1409	5.2197	5.0820
Co 228.615	11.1588	10.2759	11.0741
Cr 267.716	10.3830	10.2553	10.3817

Label	Replicates Concentration		
Cu 324.754	22.3127	21.8294	21.7962
Fe 271.441	43.6786	46.9219	47.3163
K 766.491	1189.77	1178.86	1188.36
Mg 279.078	537.095	533.995	543.845
Mn 257.610	11.3288	11.2887	11.4143
Mo 202.032	8.9087	9.2766	9.3250
Na 330.237	979.208	1067.71	1084.83
Ni 231.604	42.2295	41.7379	42.0965
Pb 220.353	11.2336	9.0051	10.8849
Sb 206.834	19.4752	22.9920	23.4243
Se 196.026	21.6395	12.0302	12.9891
Sn 189.925	26.9557	29.2701	29.7947
Sr 216.596	10.7567	10.2266	10.2282
Ti 334.941	9.8666	9.8814	10.0204
Tl 190.794	28.9840	32.2888	27.6186
V 292.401	11.3514	11.1040	11.2573
Zn 206.200	21.3174	21.2367	20.1479

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.4493	ppb	0.2554	2.4	964.393
Al 308.215	209.778	ppb	0.7018	0.3	1956.97
As 188.980	21.2231	ppb	0.9222	4.3	10.5378
B 249.678	104.196	ppb	0.6481	0.6	2019.72
Ba 389.178	10.7844	ppb	0.3112	2.9	216.070
Be 313.042	4.1688	ppb	0.0173	0.4	7907.43
Ca 370.602	522.6	ppb	2.841	0.5	1666
Cd 226.502	5.1475	ppb	0.0691	1.3	260.927
Co 228.615	10.8363	ppb	0.4871	4.5	126.376
Cr 267.716	10.3400	ppb	0.0733	0.7	625.524
Cu 324.754	21.9794	ppb	0.2891	1.3	1872.03
Fe 271.441	45.9723	ppb	1.9961	4.3	84.9821
K 766.491	1185.66	ppb	5.9310	0.5	57506.0
Mg 279.078	538.312	ppb	5.0365	0.9	1583.10
Mn 257.610	11.3440	ppb	0.0641	0.6	2794.01
Mo 202.032	9.1701	ppb	0.2277	2.5	68.9061
Na 330.237	1043.92	ppb	56.6882	5.4	84.5795
Ni 231.604	42.0213	ppb	0.2543	0.6	131.626
Pb 220.353	10.3746	ppb	1.1987	11.6	29.3400
Sb 206.834	21.9638	ppb	2.1661	9.9	27.3454
Se 196.026	15.5529	ppb	5.2929	34.0	14.5619
Sn 189.925	28.6735	ppb	1.5106	5.3	15.7246
Sr 216.596	10.4038	ppb	0.3056	2.9	127.622
Ti 334.941	9.9228	ppb	0.0848	0.9	3215.55
Tl 190.794	29.6305	ppb	2.4013	8.1	24.8964
V 292.401	11.2376	ppb	0.1249	1.1	324.223
Zn 206.200	20.9007	ppb	0.6532	3.1	22.5304

lcs 680-369386/4-a (Samp) **2/4/2015, 10:47:00 PM** **Rack 2, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	471.293	465.528	465.234
Al 308.215	4670.27	4667.62	4679.66
As 188.980	468.539	472.553	467.783

Label	Replicates Concentration		
B 249.678	471.682	473.052	474.639
Ba 389.178	4621.71	4613.71	4613.13
Be 313.042	477.360	476.379	475.093
Ca 370.602	4663	4670	4696
Cd 226.502	467.048	466.791	467.371
Co 228.615	477.041	477.737	477.928
Cr 267.716	4788.55	4784.14	4787.03
Cu 324.754	4939.92	4954.63	4924.57
Fe 271.441	4617.37	4603.44	4601.75
K 766.491	10187.1	10144.5	10138.8
Mg 279.078	4790.12	4780.91	4791.10
Mn 257.610	4819.94	4829.84	4829.00
Mo 202.032	465.340	464.722	465.629
Na 330.237	7370.71	7298.12	7271.37
Ni 231.604	2398.21	2396.55	2406.73
Pb 220.353	466.616	471.602	475.269
Sb 206.834	926.974	923.929	927.448
Se 196.026	4778.59	4769.89	4775.42
Sn 189.925	4726.59	4700.21	4689.99
Sr 216.596	2322.95	2319.06	2312.10
Ti 334.941	455.366	454.208	453.699
Tl 190.794	4754.04	4761.89	4766.42
V 292.401	4751.89	4745.19	4739.50
Zn 206.200	2329.33	2339.46	2337.51

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	467.352	ppb	3.4162	0.7	43528.1
Al 308.215	4672.52	ppb	6.3283	0.1	37385.3
As 188.980	469.625	ppb	2.5637	0.5	322.633
B 249.678	473.124	ppb	1.4800	0.3	9023.45
Ba 389.178	4616.18	ppb	4.7945	0.1	111407
Be 313.042	476.277	ppb	1.1372	0.2	941954
Ca 370.602	4676	ppb	17.85	0.4	15090
Cd 226.502	467.070	ppb	0.2906	0.1	21496.3
Co 228.615	477.569	ppb	0.4671	0.1	5614.31
Cr 267.716	4786.57	ppb	2.2437	0.0	275392
Cu 324.754	4939.71	ppb	15.0283	0.3	378428
Fe 271.441	4607.52	ppb	8.5747	0.2	7886.37
K 766.491	10156.8	ppb	26.3977	0.3	490129
Mg 279.078	4787.38	ppb	5.6228	0.1	13827.7
Mn 257.610	4826.26	ppb	5.4905	0.1	1159503
Mo 202.032	465.230	ppb	0.4630	0.1	3210.47
Na 330.237	7313.40	ppb	51.4006	0.7	372.226
Ni 231.604	2400.50	ppb	5.4599	0.2	7806.84
Pb 220.353	471.162	ppb	4.3429	0.9	772.913
Sb 206.834	926.117	ppb	1.9099	0.2	1371.29
Se 196.026	4774.64	ppb	4.4036	0.1	2308.80
Sn 189.925	4705.60	ppb	18.8861	0.4	3572.21
Sr 216.596	2318.04	ppb	5.4947	0.2	28093.1
Ti 334.941	454.424	ppb	0.8543	0.2	149001
Tl 190.794	4760.78	ppb	6.2624	0.1	5420.65
V 292.401	4745.53	ppb	6.2025	0.1	143167
Zn 206.200	2335.43	ppb	5.3746	0.2	2469.00

680-109421-a-1-b (Samp) **2/4/2015, 10:51:35 PM** **Rack 2, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	0.1379	0.0713	0.2090
Al 308.215	10.4200	8.7136	7.9940
As 188.980	-3.1394u	-0.2089u	1.3786
B 249.678	9.3676	9.0009	8.6508
Ba 389.178	3.7009	2.4716	3.1694
Be 313.042	0.0277	0.0337	0.0225
Ca 370.602	44382	43282	43236
Cd 226.502	-0.1120u	-0.2768u	-0.0744u
Co 228.615	0.3736	-0.1287u	-0.1188u
Cr 267.716	2.6093	2.4067	2.4001
Cu 324.754	1.1560	0.9942	1.1151
Fe 271.441	9.7741	7.1058	9.1698
K 766.491	300.110	292.828	292.345
Mg 279.078	21696.9	21167.5	21149.7
Mn 257.610	0.9142	0.8821	0.8834
Mo 202.032	0.1802	0.1485	-0.0384u
Na 330.237	8012.55	7766.46	7782.22
Ni 231.604	1.9928	0.8907	1.5094
Pb 220.353	0.2146	1.2276	-1.2276u
Sb 206.834	3.1633	-1.3351u	3.0939
Se 196.026	-0.1200u	0.9986	0.6530
Sn 189.925	0.3734	2.5657	3.4236
Sr 216.596	58.3399	56.8553	56.5686
Ti 334.941	0.1071	0.0918	0.0527
Tl 190.794	1.4628	2.3457	2.4810
V 292.401	11.9417	11.8256	11.8434
Zn 206.200	1.5680	1.5633	0.6448

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1394	ppb	0.0689	49.4	0.5460
Al 308.215	9.0425	ppb	1.2460	13.8	396.486
As 188.980	-0.6566	ppb	2.2920	349.1	-4.6961
B 249.678	9.0064	ppb	0.3584	4.0	213.236
Ba 389.178	3.1140	ppb	0.6166	19.8	77.6409
Be 313.042	0.0280	ppb	0.0056	20.0	-266.979
Ca 370.602	43633	ppb	648.6	1.5	137407
Cd 226.502	-0.1544	ppb	0.1077	69.7	17.5438
Co 228.615	0.0420	ppb	0.2872	683.2	-0.3850
Cr 267.716	2.4720	ppb	0.1189	4.8	172.948
Cu 324.754	1.0884	ppb	0.0841	7.7	271.751
Fe 271.441	8.6832	ppb	1.3991	16.1	20.7096
K 766.491	295.094	ppb	4.3502	1.5	14559.2
Mg 279.078	21338.0	ppb	310.910	1.5	62048.9
Mn 257.610	0.8932	ppb	0.0182	2.0	461.116
Mo 202.032	0.0968	ppb	0.1181	122.0	6.2974
Na 330.237	7853.74	ppb	137.760	1.8	459.375
Ni 231.604	1.4643	ppb	0.5525	37.7	-0.3482
Pb 220.353	0.0715	ppb	1.2338	1724.5	12.8209
Sb 206.834	1.6407	ppb	2.5773	157.1	-1.5742
Se 196.026	0.5105	ppb	0.5727	112.2	7.3114
Sn 189.925	2.1209	ppb	1.5730	74.2	-4.4646
Sr 216.596	57.2546	ppb	0.9508	1.7	714.529

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0838	ppb	0.0281	33.5	29.6361
Tl 190.794	2.0965	ppb	0.5530	26.4	-6.4454
V 292.401	11.8702	ppb	0.0625	0.5	345.941
Zn 206.200	1.2587	ppb	0.5317	42.2	1.7041

680-109421-a-2-b (Samp) **2/4/2015, 10:56:10 PM** **Rack 2, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	0.0053u	-0.1657u	-0.3209u
Al 308.215	69.8180	66.6329	66.2887
As 188.980	-5.8043u	-2.6952u	-2.0347u
B 249.678	4.8864	4.8327	4.6917
Ba 389.178	11.7600	11.4925	11.5312
Be 313.042	0.0088	0.0088	0.0068
Ca 370.602	12933	12658	12647
Cd 226.502	-0.0848u	-0.1342u	-0.0391u
Co 228.615	0.2487	0.8484	0.5474
Cr 267.716	6.0439	5.6976	6.3696
Cu 324.754	1.1963	1.1155	1.1588
Fe 271.441	82.5399	70.3063	76.0785
K 766.491	602.497	589.176	589.938
Mg 279.078	5436.03	5323.32	5321.01
Mn 257.610	7.8307	7.5882	7.6125
Mo 202.032	0.1443	0.4938	-0.3001u
Na 330.237	3284.48	3472.74	3331.95
Ni 231.604	3.9196	4.2365	3.8171
Pb 220.353	0.2007	0.4179	0.0344
Sb 206.834	2.6035	-0.7708u	-0.6713u
Se 196.026	0.6780	2.8470	3.5077
Sn 189.925	-0.6533u	-0.4014u	3.1163
Sr 216.596	40.3627	40.2946	40.1098
Ti 334.941	0.7885	0.7837	0.7523
Tl 190.794	1.6964	4.0802	3.0763
V 292.401	3.7833	3.6207	3.6545
Zn 206.200	1.9753	2.0987	1.1806

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1604	ppb	0.1632	101.7	-26.3816
Al 308.215	67.5799	ppb	1.9459	2.9	850.275
As 188.980	-3.5114	ppb	2.0130	57.3	-6.6846
B 249.678	4.8036	ppb	0.1005	2.1	133.270
Ba 389.178	11.5946	ppb	0.1446	1.2	246.432
Be 313.042	0.0081	ppb	0.0011	13.9	-317.306
Ca 370.602	12746	ppb	161.9	1.3	40149
Cd 226.502	-0.0861	ppb	0.0476	55.3	20.7939
Co 228.615	0.5482	ppb	0.2999	54.7	5.5871
Cr 267.716	6.0370	ppb	0.3360	5.6	378.125
Cu 324.754	1.1569	ppb	0.0404	3.5	277.151
Fe 271.441	76.3082	ppb	6.1200	8.0	134.873
K 766.491	593.870	ppb	7.4804	1.3	28967.3
Mg 279.078	5360.12	ppb	65.7499	1.2	15600.4
Mn 257.610	7.6771	ppb	0.1336	1.7	1954.48
Mo 202.032	0.1126	ppb	0.3979	353.2	6.4126

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	3363.06	ppb	97.9100	2.9	212.507
Ni 231.604	3.9911	ppb	0.2187	5.5	7.8807
Pb 220.353	0.2177	ppb	0.1923	88.4	13.0630
Sb 206.834	0.3872	ppb	1.9201	495.9	-3.3143
Se 196.026	2.3442	ppb	1.4803	63.1	8.1970
Sn 189.925	0.6872	ppb	2.1074	306.7	-5.5563
Sr 216.596	40.2557	ppb	0.1309	0.3	496.149
Ti 334.941	0.7749	ppb	0.0197	2.5	224.822
Tl 190.794	2.9510	ppb	1.1968	40.6	-5.4933
V 292.401	3.6862	ppb	0.0858	2.3	98.0468
Zn 206.200	1.7516	ppb	0.4983	28.5	2.2177

460-89822-g-1-d (Samp) **2/4/2015, 11:00:45 PM** **Rack 2, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	0.0572	0.0167	0.1789
Al 308.215	3.3010	3.6264	1.8246
As 188.980	-4.6110u	1.7913	-6.2298u
B 249.678	-0.1306u	-0.0756u	-0.7764u
Ba 389.178	0.2281	-0.0576u	0.2091
Be 313.042	0.0045	0.0048	0.0090
Ca 370.602	-2.266u	0.4333	1.471
Cd 226.502	-0.0803u	-0.0917u	0.0246
Co 228.615	-0.2068u	0.5010	0.8067
Cr 267.716	-0.3886u	-0.2288u	-0.2347u
Cu 324.754	0.1364	-0.0169u	-0.2513u
Fe 271.441	1.2509	1.5249	3.3778
K 766.491	-0.7595u	-1.0066u	-0.9234u
Mg 279.078	0.1499	-0.2826u	0.3887
Mn 257.610	0.2041	0.2209	0.1901
Mo 202.032	-0.1096u	-0.0685u	0.3353
Na 330.237	-47.2757u	78.1408	-32.1403u
Ni 231.604	0.9918	0.0172	-0.5015u
Pb 220.353	-0.2195u	-2.0916u	-1.5064u
Sb 206.834	4.1204	0.6325	-3.2306u
Se 196.026	3.9731	-0.0091u	-0.0352u
Sn 189.925	-0.6245u	1.4448	2.1839
Sr 216.596	-0.0957u	-0.2161u	-0.1809u
Ti 334.941	0.0481	0.0493	0.0194
Tl 190.794	0.4319	1.8621	1.6039
V 292.401	0.3526	0.1467	0.0107
Zn 206.200	-1.1217u	0.7697	-2.1133u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0843	ppb	0.0844	100.1	-1.9402
Al 308.215	2.9174	ppb	0.9602	32.9	347.060
As 188.980	-3.0165	ppb	4.2416	140.6	-6.3395
B 249.678	-0.3276	ppb	0.3897	119.0	36.1182
Ba 389.178	0.1265	ppb	0.1598	126.3	-42.5063
Be 313.042	0.0061	ppb	0.0025	41.0	-325.705
Ca 370.602	-0.1206	ppb	1.930	1600.6	15.14
Cd 226.502	-0.0491	ppb	0.0641	130.5	22.0723
Co 228.615	0.3670	ppb	0.5199	141.7	3.4220

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	-0.2841	ppb	0.0906	31.9	14.3345
Cu 324.754	-0.0439	ppb	0.1953	444.4	185.211
Fe 271.441	2.0512	ppb	1.1570	56.4	9.4651
K 766.491	-0.8965	ppb	0.1257	14.0	285.337
Mg 279.078	0.0853	ppb	0.3403	398.8	18.7816
Mn 257.610	0.2051	ppb	0.0154	7.5	113.449
Mo 202.032	0.0524	ppb	0.2459	469.5	6.0041
Na 330.237	-0.4251	ppb	68.4596	16106.0	27.7152
Ni 231.604	0.1692	ppb	0.7582	448.2	-4.5647
Pb 220.353	-1.2725	ppb	0.9577	75.3	10.6613
Sb 206.834	0.5074	ppb	3.6771	724.7	-3.2249
Se 196.026	1.3096	ppb	2.3067	176.1	7.6960
Sn 189.925	1.0014	ppb	1.4557	145.4	-5.3184
Sr 216.596	-0.1642	ppb	0.0619	37.7	0.2681
Ti 334.941	0.0390	ppb	0.0169	43.5	-26.9076
Tl 190.794	1.2993	ppb	0.7622	58.7	-7.3720
V 292.401	0.1700	ppb	0.1721	101.2	-7.9920
Zn 206.200	-0.8218	ppb	1.4647	178.2	-0.4980

460-89822-g-1-d (Samp) **2/4/2015, 11:05:20 PM** **Rack 2, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	0.1921	0.1317	0.0733
Al 308.215	0.9687	4.2106	3.4285
As 188.980	-0.9788u	-5.9185u	-1.2450u
B 249.678	-0.6623u	-0.4051u	-0.1634u
Ba 389.178	-0.2848u	-0.0475u	-0.0298u
Be 313.042	0.0139	0.0037	0.0056
Ca 370.602	-0.4814u	7.452	0.5841
Cd 226.502	-0.0571u	-0.0534u	-0.0387u
Co 228.615	-0.0189u	0.2727	0.5712
Cr 267.716	0.0987	-0.0278u	0.0533
Cu 324.754	-0.0539u	-0.2246u	0.0030
Fe 271.441	4.2776	3.7172	2.0315
K 766.491	-0.6395u	-0.2267u	0.1160
Mg 279.078	0.7762	3.5390	0.5915
Mn 257.610	0.1277	0.1926	0.1967
Mo 202.032	-0.2792u	0.0428	0.4787
Na 330.237	-78.5951u	-24.0888u	114.674
Ni 231.604	0.3669	-0.4753u	0.7180
Pb 220.353	-1.1618u	-0.3870u	1.3326
Sb 206.834	0.7222	1.6646	1.7776
Se 196.026	-2.9934u	-7.5545u	-5.9236u
Sn 189.925	0.8363	2.4595	-0.4394u
Sr 216.596	-0.0394u	0.0393	0.1085
Ti 334.941	0.1073	0.0842	0.0822
Tl 190.794	0.4465	2.2459	1.9025
V 292.401	0.2177	0.1029	0.0971
Zn 206.200	0.3820	-0.0495u	2.1058

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1324	ppb	0.0594	44.9	2.5440
Al 308.215	2.8693	ppb	1.6917	59.0	346.679

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-2.7141	ppb	2.7783	102.4	-6.1289
B 249.678	-0.4103	ppb	0.2495	60.8	34.5546
Ba 389.178	-0.1207	ppb	0.1424	118.0	-48.4685
Be 313.042	0.0077	ppb	0.0054	70.2	-322.464
Ca 370.602	2.518	ppb	4.306	171.0	23.43
Cd 226.502	-0.0497	ppb	0.0097	19.6	22.0554
Co 228.615	0.2750	ppb	0.2950	107.3	2.3408
Cr 267.716	0.0414	ppb	0.0641	154.8	33.0616
Cu 324.754	-0.0918	ppb	0.1184	129.0	181.547
Fe 271.441	3.3421	ppb	1.1691	35.0	11.6286
K 766.491	-0.2501	ppb	0.3783	151.3	316.510
Mg 279.078	1.6356	ppb	1.6510	100.9	23.2889
Mn 257.610	0.1723	ppb	0.0387	22.5	105.604
Mo 202.032	0.0808	ppb	0.3804	470.9	6.2001
Na 330.237	3.9966	ppb	99.6484	2493.3	27.9244
Ni 231.604	0.2032	ppb	0.6133	301.8	-4.4534
Pb 220.353	-0.0721	ppb	1.2767	1771.4	12.5880
Sb 206.834	1.3882	ppb	0.5795	41.7	-1.9662
Se 196.026	-5.4905	ppb	2.3112	42.1	4.4196
Sn 189.925	0.9521	ppb	1.4529	152.6	-5.3559
Sr 216.596	0.0361	ppb	0.0740	204.8	2.6929
Ti 334.941	0.0913	ppb	0.0140	15.3	-9.7572
Tl 190.794	1.5316	ppb	0.9553	62.4	-7.1084
V 292.401	0.1392	ppb	0.0680	48.8	-8.9500
Zn 206.200	0.8128	ppb	1.1404	140.3	1.2358

Cont Calib Verif (CCV) **2/4/2015, 11:09:55 PM** **Rack 2, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	460.519	474.681	461.748
Al 308.215	4635.92	4740.78	4638.59
As 188.980	466.097	472.729	470.731
B 249.678	467.831	479.039	470.026
Ba 389.178	4560.00	4662.25	4573.90
Be 313.042	470.408	482.591	471.546
Ca 370.602	4640	4722	4638
Cd 226.502	462.666	472.346	463.131
Co 228.615	473.312	483.874	474.538
Cr 267.716	4740.09	4840.25	4750.13
Cu 324.754	4802.12	5046.65	4825.30
Fe 271.441	4555.13	4667.24	4566.38
K 766.491	10036.5	10297.6	10077.6
Mg 279.078	4743.89	4858.42	4748.19
Mn 257.610	4782.32	4873.87	4794.30
Mo 202.032	461.296	468.146	459.996
Na 330.237	7261.02	7399.96	7366.65
Ni 231.604	2387.22	2431.45	2385.21
Pb 220.353	468.807	476.088	471.288
Sb 206.834	913.315	942.616	920.692
Se 196.026	4732.61	4843.64	4714.02
Sn 189.925	4629.73	4773.53	4658.74
Sr 216.596	2292.48	2339.90	2293.95
Ti 334.941	448.242	458.467	449.267

Label	Replicates Concentration		
Tl 190.794	4740.19	4827.47	4724.45
V 292.401	4702.07	4806.10	4712.50
Zn 206.200	2313.33	2368.43	2311.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	465.649	ppb	7.8460	1.7	43369.7	93.12988
Al 308.215	4671.76	ppb	59.7845	1.3	37377.9	93.43526
As 188.980	469.852	ppb	3.4022	0.7	322.791	93.97041
B 249.678	472.299	ppb	5.9395	1.3	9007.75	94.45972
Ba 389.178	4598.72	ppb	55.4610	1.2	110985	91.97434
Be 313.042	474.848	ppb	6.7296	1.4	939126	94.96964
Ca 370.602	4667	ppb	47.63	1.0	15059	93.33501
Cd 226.502	466.048	ppb	5.4595	1.2	21449.3	93.20958
Co 228.615	477.241	ppb	5.7765	1.2	5610.43	95.44827
Cr 267.716	4776.82	ppb	55.1611	1.2	274831	95.53647
Cu 324.754	4891.35	ppb	134.984	2.8	374725	97.82710
Fe 271.441	4596.25	ppb	61.7384	1.3	7867.20	91.92502
K 766.491	10137.2	ppb	140.389	1.4	489186	101.37238
Mg 279.078	4783.50	ppb	64.9196	1.4	13816.7	95.67001
Mn 257.610	4816.83	ppb	49.7561	1.0	1157239	96.33661
Mo 202.032	463.146	ppb	4.3789	0.9	3196.10	92.62923
Na 330.237	7342.54	ppb	72.5387	1.0	373.900	97.90059
Ni 231.604	2401.29	ppb	26.1384	1.1	7809.44	96.05175
Pb 220.353	472.061	ppb	3.7018	0.8	774.344	94.41222
Sb 206.834	925.541	ppb	15.2407	1.6	1370.30	92.55410
Se 196.026	4763.42	ppb	70.0902	1.5	2303.39	95.26842
Sn 189.925	4687.33	ppb	76.0445	1.6	3558.32	93.74661
Sr 216.596	2308.78	ppb	26.9623	1.2	27980.7	92.35120
Ti 334.941	451.992	ppb	5.6306	1.2	148204	90.39839
Tl 190.794	4764.04	ppb	55.4987	1.2	5424.33	95.28070
V 292.401	4740.23	ppb	57.2886	1.2	143007	94.80453
Zn 206.200	2331.04	ppb	32.3869	1.4	2464.37	93.24179

Cont Calib Blank (CCB) **2/4/2015, 11:14:30 PM** **Rack 2, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0854u	0.1263	0.3057
Al 308.215	1.7823	1.6582	2.1503
As 188.980	-3.7848u	-5.9581u	-1.0396u
B 249.678	1.5903	1.3704	1.2920
Ba 389.178	0.0710	0.1550	0.5442
Be 313.042	0.0182	0.0148	0.0179
Ca 370.602	-1.070u	1.362	1.087
Cd 226.502	0.0334	-0.0603u	-0.0779u
Co 228.615	-0.2805u	-0.4859u	-0.4313u
Cr 267.716	0.1269	0.0164	0.1146
Cu 324.754	-0.0084u	-0.2366u	0.0852
Fe 271.441	-0.8938u	2.5639	0.2775
K 766.491	-0.4240u	-0.7644u	-0.0175u
Mg 279.078	-1.1788u	2.3656	-1.5966u
Mn 257.610	0.1109	0.1340	0.1664
Mo 202.032	0.4581	1.0277	0.0182
Na 330.237	172.661	-94.3989u	114.618

Label	Replicates Concentration		
Ni 231.604	-0.7736u	-0.4209u	-0.6773u
Pb 220.353	-1.1764u	-0.0636u	-2.5099u
Sb 206.834	4.4059	3.4665	1.8880
Se 196.026	-2.9768u	-4.4961u	-1.5999u
Sn 189.925	1.5570	3.7802	0.6398
Sr 216.596	0.2089	0.0998	-0.1258u
Ti 334.941	0.1523	0.1303	0.0718
Tl 190.794	-0.6246u	0.4211	2.7345
V 292.401	0.2376	0.3868	0.2463
Zn 206.200	0.2246	0.8022	0.2501

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1155	ppb	0.1957	169.4	0.9676	0.11553
Al 308.215	1.8636	ppb	0.2560	13.7	338.900	1.86359
As 188.980	-3.5942	ppb	2.4648	68.6	-6.7419	-3.59419
B 249.678	1.4176	ppb	0.1546	10.9	69.2690	1.41758
Ba 389.178	0.2568	ppb	0.2524	98.3	-39.3636	0.25676
Be 313.042	0.0170	ppb	0.0019	11.1	-304.278	0.01697
Ca 370.602	0.4596	ppb	1.332	289.8	17.04	0.45962
Cd 226.502	-0.0349	ppb	0.0598	171.2	22.7063	-0.03494
Co 228.615	-0.3992	ppb	0.1064	26.7	-5.5900	-0.39921
Cr 267.716	0.0860	ppb	0.0605	70.4	35.6210	0.08597
Cu 324.754	-0.0533	ppb	0.1655	310.6	184.510	-0.05329
Fe 271.441	0.6492	ppb	1.7586	270.9	7.0046	0.64922
K 766.491	-0.4020	ppb	0.3739	93.0	309.184	-0.40198
Mg 279.078	-0.1366	ppb	2.1770	1593.3	18.1383	-0.13663
Mn 257.610	0.1371	ppb	0.0279	20.4	97.1095	0.13710
Mo 202.032	0.5013	ppb	0.5061	101.0	9.1023	0.50134
Na 330.237	64.2933	ppb	140.462	218.5	31.2404	64.29330
Ni 231.604	-0.6239	ppb	0.1823	29.2	-7.1443	-0.62394
Pb 220.353	-1.2500	ppb	1.2248	98.0	10.6970	-1.24997
Sb 206.834	3.2535	ppb	1.2724	39.1	0.6857	3.25347
Se 196.026	-3.0243	ppb	1.4487	47.9	5.6078	-3.02426
Sn 189.925	1.9923	ppb	1.6149	81.1	-4.5649	1.99232
Sr 216.596	0.0609	ppb	0.1707	280.1	3.0146	0.06095
Ti 334.941	0.1181	ppb	0.0416	35.2	-0.9512	0.11813
Tl 190.794	0.8437	ppb	1.7190	203.8	-7.8938	0.84366
V 292.401	0.2902	ppb	0.0838	28.9	-4.4700	0.29024
Zn 206.200	0.4256	ppb	0.3263	76.7	0.8252	0.42564

460-89822-g-1-d (Samp) **2/4/2015, 11:19:05 PM** **Rack 2, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	65.5802	65.6031	65.6991
Al 308.215	750.419	753.520	748.617
As 188.980	76.9285	75.8468	71.3674
B 249.678	146.091	146.425	146.500
Ba 389.178	66.5744	67.2323	66.3841
Be 313.042	72.8546	73.1893	72.7293
Ca 370.602	7432	7435	7371
Cd 226.502	73.7044	73.7815	73.4860
Co 228.615	74.1788	74.4640	74.0511
Cr 267.716	75.5035	75.5216	75.1921

Label	Replicates Concentration		
Cu 324.754	75.8903	76.0803	75.8916
Fe 271.441	7325.78	7330.20	7291.00
K 766.491	8309.10	8338.38	8293.82
Mg 279.078	7554.49	7596.60	7542.12
Mn 257.610	779.218	781.126	776.685
Mo 202.032	71.1409	71.0262	71.1263
Na 330.237	6661.43	6872.93	6729.91
Ni 231.604	74.9666	74.5825	75.4399
Pb 220.353	70.9009	72.9052	74.7145
Sb 206.834	43.0345	46.9378	51.6158
Se 196.026	77.3057	63.7873	78.0047
Sn 189.925	65.2298	68.1693	71.6425
Sr 216.596	72.4094	73.0456	72.9882
Ti 334.941	72.5485	73.0405	72.5533
Tl 190.794	16.5982	20.0793	16.8449
V 292.401	77.5242	77.8363	76.8733
Zn 206.200	73.2008	75.7273	72.9285

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	65.6275	ppb	0.0631	0.1	6110.99
Al 308.215	750.852	ppb	2.4800	0.3	6175.31
As 188.980	74.7142	ppb	2.9485	3.9	47.7198
B 249.678	146.339	ppb	0.2178	0.1	2800.61
Ba 389.178	66.7302	ppb	0.4450	0.7	1588.87
Be 313.042	72.9244	ppb	0.2378	0.3	143902
Ca 370.602	7413	ppb	36.03	0.5	23330
Cd 226.502	73.6573	ppb	0.1533	0.2	3443.08
Co 228.615	74.2313	ppb	0.2114	0.3	871.341
Cr 267.716	75.4057	ppb	0.1852	0.2	4375.43
Cu 324.754	75.9541	ppb	0.1093	0.1	6010.42
Fe 271.441	7315.66	ppb	21.4684	0.3	12366.5
K 766.491	8313.77	ppb	22.6412	0.3	401251
Mg 279.078	7564.40	ppb	28.5633	0.4	21991.1
Mn 257.610	779.010	ppb	2.2278	0.3	187290
Mo 202.032	71.0978	ppb	0.0624	0.1	495.814
Na 330.237	6754.76	ppb	107.914	1.6	395.226
Ni 231.604	74.9963	ppb	0.4295	0.6	239.438
Pb 220.353	72.8402	ppb	1.9076	2.6	130.130
Sb 206.834	47.1960	ppb	4.2965	9.1	63.2730
Se 196.026	73.0326	ppb	8.0142	11.0	42.5099
Sn 189.925	68.3472	ppb	3.2101	4.7	45.8957
Sr 216.596	72.8144	ppb	0.3519	0.5	896.278
Ti 334.941	72.7141	ppb	0.2827	0.4	23822.8
Tl 190.794	17.8408	ppb	1.9425	10.9	10.7649
V 292.401	77.4113	ppb	0.4913	0.6	2305.74
Zn 206.200	73.9522	ppb	1.5433	2.1	78.4455

460-89822-g-1-g ms (Samp) **2/4/2015, 11:23:40 PM** **Rack 2, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	0.1913	0.1144	-0.0587u
Al 308.215	2014.34	2060.03	2048.35
As 188.980	37.3078	44.7135	41.1947

Label	Replicates Concentration		
B 249.678	81.8047	83.2877	82.1511
Ba 389.178	39.5487	40.9322	40.5490
Be 313.042	20.3929	20.8139	20.6882
Ca 370.602	2007	2049	2031
Cd 226.502	20.6184	21.1220	20.6895
Co 228.615	20.8537	22.1292	21.4645
Cr 267.716	41.2911	42.2408	41.9270
Cu 324.754	41.8406	43.2670	42.6837
Fe 271.441	2001.65	2051.52	2036.41
K 766.491	2257.85	2310.58	2301.22
Mg 279.078	2086.32	2130.39	2118.31
Mn 257.610	215.189	219.599	218.112
Mo 202.032	38.4291	39.5379	39.8057
Na 330.237	1980.73	1910.91	2193.43
Ni 231.604	41.7638	43.1144	41.0789
Pb 220.353	204.634	206.629	209.667
Sb 206.834	21.9626	24.0787	22.7056
Se 196.026	44.1372	39.4186	37.8007
Sn 189.925	68.9032	73.3723	68.5145
Sr 216.596	39.7080	40.2417	40.3478
Ti 334.941	39.5593	40.3961	40.2428
Tl 190.794	19.2833	18.2987	20.0782
V 292.401	41.4882	42.7102	42.2955
Zn 206.200	41.7910	41.8252	40.9513

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0823	ppb	0.1280	155.5	-2.6973
Al 308.215	2040.91	ppb	23.7373	1.2	16197.1
As 188.980	41.0720	ppb	3.7044	9.0	24.3377
B 249.678	82.4145	ppb	0.7758	0.9	1601.19
Ba 389.178	40.3433	ppb	0.7143	1.8	934.982
Be 313.042	20.6317	ppb	0.2161	1.0	40468.6
Ca 370.602	2029	ppb	21.12	1.0	6406
Cd 226.502	20.8100	ppb	0.2726	1.3	989.966
Co 228.615	21.4825	ppb	0.6379	3.0	251.428
Cr 267.716	41.8196	ppb	0.4839	1.2	2438.33
Cu 324.754	42.5971	ppb	0.7171	1.7	3452.67
Fe 271.441	2029.86	ppb	25.5743	1.3	3435.90
K 766.491	2289.88	ppb	28.1377	1.2	110756
Mg 279.078	2111.68	ppb	22.7722	1.1	6151.66
Mn 257.610	217.633	ppb	2.2436	1.0	52369.6
Mo 202.032	39.2575	ppb	0.7298	1.9	276.393
Na 330.237	2028.36	ppb	147.155	7.3	137.646
Ni 231.604	41.9857	ppb	1.0357	2.5	131.662
Pb 220.353	206.977	ppb	2.5343	1.2	344.941
Sb 206.834	22.9156	ppb	1.0736	4.7	28.6387
Se 196.026	40.4522	ppb	3.2923	8.1	26.6271
Sn 189.925	70.2633	ppb	2.6994	3.8	47.3511
Sr 216.596	40.0992	ppb	0.3429	0.9	491.136
Ti 334.941	40.0661	ppb	0.4455	1.1	13104.6
Tl 190.794	19.2200	ppb	0.8914	4.6	12.8049
V 292.401	42.1646	ppb	0.6215	1.5	1250.59
Zn 206.200	41.5225	ppb	0.4950	1.2	44.2825

460-89822-g-1-h msd (Samp) **2/4/2015, 11:28:14 PM** **Rack 2, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	-0.2616u	-0.0946u	-0.0705u
Al 308.215	1997.11	1963.45	1963.52
As 188.980	38.9484	39.5299	35.5955
B 249.678	80.3652	79.8470	79.6048
Ba 389.178	39.3747	38.7203	38.4760
Be 313.042	20.1592	19.8553	19.8267
Ca 370.602	1980	1949	1954
Cd 226.502	20.4267	20.0564	19.8804
Co 228.615	20.6692	20.6509	20.4636
Cr 267.716	40.9125	40.0701	40.0892
Cu 324.754	41.6454	40.6530	40.8508
Fe 271.441	1985.88	1958.42	1957.66
K 766.491	2246.22	2201.72	2207.03
Mg 279.078	2072.22	2032.19	2030.32
Mn 257.610	213.099	209.627	209.420
Mo 202.032	38.9071	38.1414	38.3786
Na 330.237	1976.55	1900.67	1783.85
Ni 231.604	39.8809	40.2139	40.2015
Pb 220.353	204.952	201.562	201.844
Sb 206.834	17.4415	19.4469	20.4468
Se 196.026	41.8846	37.4442	35.9883
Sn 189.925	67.7074	69.1618	65.8519
Sr 216.596	40.2255	39.1355	38.2322
Ti 334.941	39.2622	38.5213	38.5082
Tl 190.794	17.9884	14.9141	18.4267
V 292.401	41.5962	40.6968	40.7426
Zn 206.200	40.3805	38.6763	39.3036

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1422	ppb	0.1041	73.2	-23.6410
Al 308.215	1974.69	ppb	19.4102	1.0	15682.2
As 188.980	38.0246	ppb	2.1236	5.6	22.2162
B 249.678	79.9390	ppb	0.3885	0.5	1554.32
Ba 389.178	38.8570	ppb	0.4647	1.2	898.904
Be 313.042	19.9470	ppb	0.1843	0.9	39114.4
Ca 370.602	1961	ppb	16.87	0.9	6192
Cd 226.502	20.1212	ppb	0.2788	1.4	958.025
Co 228.615	20.5945	ppb	0.1138	0.6	240.986
Cr 267.716	40.3573	ppb	0.4809	1.2	2354.14
Cu 324.754	41.0497	ppb	0.5252	1.3	3334.12
Fe 271.441	1967.32	ppb	16.0814	0.8	3330.20
K 766.491	2218.33	ppb	24.3030	1.1	107305
Mg 279.078	2044.91	ppb	23.6707	1.2	5957.75
Mn 257.610	210.715	ppb	2.0666	1.0	50707.0
Mo 202.032	38.4757	ppb	0.3920	1.0	271.003
Na 330.237	1887.02	ppb	97.0732	5.1	129.958
Ni 231.604	40.0987	ppb	0.1888	0.5	125.517
Pb 220.353	202.786	ppb	1.8811	0.9	338.213
Sb 206.834	19.1117	ppb	1.5304	8.0	23.2114
Se 196.026	38.4390	ppb	3.0715	8.0	25.6549
Sn 189.925	67.5737	ppb	1.6590	2.5	45.3058
Sr 216.596	39.1977	ppb	0.9981	2.5	480.142

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	38.7639	ppb	0.4316	1.1	12677.5
Tl 190.794	17.1097	ppb	1.9140	11.2	10.4077
V 292.401	41.0119	ppb	0.5066	1.2	1215.99
Zn 206.200	39.4534	ppb	0.8619	2.2	42.0917

460-89824-g-1-c (Samp) **2/4/2015, 11:32:49 PM** **Rack 2, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-0.0840u	0.0503u	0.0262u
Al 308.215	10.7989	10.9487	10.6189
As 188.980	-2.3167u	-1.8363u	0.6149
B 249.678	44.5246	46.0602	44.5930
Ba 389.178	44.6882	45.6886	44.4527
Be 313.042	0.0764	0.0710	0.0743
Ca 370.602	11825	12040	11764
Cd 226.502	-0.0203u	-0.0184u	-0.0732u
Co 228.615	0.9058	1.6310	1.4825
Cr 267.716	-0.2211u	-0.2056u	-0.1467u
Cu 324.754	2.8937	3.3248	3.1471
Fe 271.441	52.0779	57.4295	53.2647
K 766.491	3395.41	3498.33	3404.30
Mg 279.078	2682.27	2743.75	2682.05
Mn 257.610	2.9073	3.0502	2.9276
Mo 202.032	0.2940	-0.0370u	0.4587
Na 330.237	29334.4	30341.1	29597.2
Ni 231.604	13.3234	13.9281	13.6914
Pb 220.353	3.1956	3.9354	2.1962
Sb 206.834	3.5311	3.7270	0.0657
Se 196.026	-4.2031u	0.6509	-2.5792u
Sn 189.925	-1.3976u	0.3650	1.1897
Sr 216.596	185.286	188.744	185.648
Ti 334.941	0.0676	0.0541	0.0684
Tl 190.794	1.3437	3.5360	0.2023
V 292.401	0.3898	0.1556	0.4228
Zn 206.200	36.0988	35.7076	36.1279

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0025	ppb	0.0716	2902.6	-17.0897
Al 308.215	10.7888	ppb	0.1651	1.5	408.281
As 188.980	-1.1794	ppb	1.5724	133.3	-5.0605
B 249.678	45.0593	ppb	0.8675	1.9	897.249
Ba 389.178	44.9431	ppb	0.6562	1.5	1045.40
Be 313.042	0.0739	ppb	0.0027	3.7	-190.967
Ca 370.602	11876	ppb	145.2	1.2	37412
Cd 226.502	-0.0373	ppb	0.0311	83.5	22.7043
Co 228.615	1.3397	ppb	0.3831	28.6	14.8511
Cr 267.716	-0.1911	ppb	0.0392	20.5	20.3489
Cu 324.754	3.1219	ppb	0.2166	6.9	427.681
Fe 271.441	54.2573	ppb	2.8105	5.2	97.6990
K 766.491	3432.68	ppb	57.0278	1.7	165866
Mg 279.078	2702.69	ppb	35.5594	1.3	7875.29
Mn 257.610	2.9617	ppb	0.0773	2.6	798.883
Mo 202.032	0.2386	ppb	0.2524	105.8	7.2863

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	29757.6	ppb	522.138	1.8	1662.46
Ni 231.604	13.6477	ppb	0.3047	2.2	39.3056
Pb 220.353	3.1091	ppb	0.8728	28.1	17.6958
Sb 206.834	2.4413	ppb	2.0597	84.4	-0.4700
Se 196.026	-2.0438	ppb	2.4709	120.9	6.0814
Sn 189.925	0.0523	ppb	1.3217	2525.3	-6.0306
Sr 216.596	186.559	ppb	1.9005	1.0	2272.52
Ti 334.941	0.0634	ppb	0.0080	12.7	-16.1975
Tl 190.794	1.6940	ppb	1.6942	100.0	-6.9274
V 292.401	0.3227	ppb	0.1457	45.1	-3.6605
Zn 206.200	35.9781	ppb	0.2347	0.7	38.5503

460-89825-f-1-b (Samp) **2/4/2015, 11:37:24 PM** **Rack 2, Tube 43**

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

Label	Replicates		Concentration
Ag 328.068	-0.0280u	0.1210	-0.0878u
Al 308.215	12.5650	12.3631	11.4076
As 188.980	-0.9375u	0.1555	-1.0214u
B 249.678	45.4301	44.8088	45.0300
Ba 389.178	47.2918	48.6098	47.8656
Be 313.042	0.0788	0.0726	0.0719
Ca 370.602	12166	12156	12142
Cd 226.502	-0.1557u	0.0225	0.0173
Co 228.615	0.8244	0.9703	1.2535
Cr 267.716	0.3334	0.1357	0.0451
Cu 324.754	2.8545	2.8583	2.8650
Fe 271.441	68.1372	73.6619	67.0624
K 766.491	3456.95	3463.61	3480.15
Mg 279.078	2759.11	2761.12	2764.06
Mn 257.610	3.4053	3.4251	3.4117
Mo 202.032	-0.1926u	-0.1236u	0.2501
Na 330.237	29587.6	29889.1	29898.0
Ni 231.604	13.9842	13.5864	15.4291
Pb 220.353	3.3644	1.4280	4.0195
Sb 206.834	0.2450	0.3332	2.8248
Se 196.026	-12.1282u	-5.0225u	-2.2459u
Sn 189.925	-0.4940u	2.4079	3.4021
Sr 216.596	190.175	190.916	191.238
Ti 334.941	0.1040	0.0790	0.1729
Tl 190.794	-0.1692u	2.0058	2.9976
V 292.401	0.1976	0.3233	0.5712
Zn 206.200	36.0998	37.2710	38.6727

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0017	ppb	0.1076	6223.0	-16.8400
Al 308.215	12.1119	ppb	0.6183	5.1	418.568
As 188.980	-0.6012	ppb	0.6566	109.2	-4.6579
B 249.678	45.0896	ppb	0.3149	0.7	897.757
Ba 389.178	47.9224	ppb	0.6608	1.4	1117.46
Be 313.042	0.0744	ppb	0.0038	5.1	-189.813
Ca 370.602	12155	ppb	12.17	0.1	38287
Cd 226.502	-0.0386	ppb	0.1014	262.8	22.7088
Co 228.615	1.0161	ppb	0.2182	21.5	11.0590

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.1714	ppb	0.1474	86.0	41.2147
Cu 324.754	2.8592	ppb	0.0053	0.2	407.561
Fe 271.441	69.6205	ppb	3.5410	5.1	123.619
K 766.491	3466.90	ppb	11.9501	0.3	167516
Mg 279.078	2761.43	ppb	2.4903	0.1	8046.03
Mn 257.610	3.4140	ppb	0.0101	0.3	908.120
Mo 202.032	-0.0220	ppb	0.2382	1081.1	5.4875
Na 330.237	29791.5	ppb	176.678	0.6	1664.29
Ni 231.604	14.3332	ppb	0.9697	6.8	41.5384
Pb 220.353	2.9373	ppb	1.3475	45.9	17.4219
Sb 206.834	1.1343	ppb	1.4646	129.1	-2.3222
Se 196.026	-6.4655	ppb	5.0967	78.8	3.9512
Sn 189.925	1.7720	ppb	2.0244	114.2	-4.7228
Sr 216.596	190.776	ppb	0.5447	0.3	2323.84
Ti 334.941	0.1186	ppb	0.0486	41.0	2.0431
Tl 190.794	1.6114	ppb	1.6198	100.5	-7.0226
V 292.401	0.3640	ppb	0.1901	52.2	-2.3695
Zn 206.200	37.3478	ppb	1.2882	3.4	40.0026

mb 680-369306/1-b (Samp) **2/4/2015, 11:41:58 PM** **Rack 2, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-0.0167u	-0.1112u	-0.0030u
Al 308.215	3.8654	3.9023	2.2414
As 188.980	0.2083	-2.4910u	-1.6977u
B 249.678	0.4355	0.6143	0.4594
Ba 389.178	0.3827	-0.2548u	0.0817
Be 313.042	0.0064	0.0110	0.0069
Ca 370.602	3.787	2.282	2.188
Cd 226.502	0.0097	-0.0524u	-0.1007u
Co 228.615	0.0208	0.1536	0.1377
Cr 267.716	-0.2910u	-0.2012u	-0.1942u
Cu 324.754	0.0594	0.0529	0.0786
Fe 271.441	26.3029	23.9106	16.4723
K 766.491	0.2687	0.1398	-0.3740u
Mg 279.078	-1.5462u	0.5933	-0.0088u
Mn 257.610	0.1998	0.1811	0.1641
Mo 202.032	-0.0183u	0.1040	-0.1481u
Na 330.237	57.8849	-55.0944u	-53.1836u
Ni 231.604	0.0015	-0.4374u	-0.2062u
Pb 220.353	1.3185	0.2488	-3.3782u
Sb 206.834	0.6505	0.7605	2.5155
Se 196.026	-9.2450u	1.5454	-5.9628u
Sn 189.925	1.1505	0.1544	1.0450
Sr 216.596	0.2025	0.1115	0.1525
Ti 334.941	0.0379	0.1046	0.0321
Tl 190.794	0.9955	-1.9139u	1.5865
V 292.401	0.2291	-0.0149u	0.4784
Zn 206.200	0.0130	0.1391	0.4124

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0436	ppb	0.0589	134.9	-13.8876
Al 308.215	3.3364	ppb	0.9485	28.4	350.334

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.3268	ppb	1.3873	104.6	-5.1629
B 249.678	0.5030	ppb	0.0971	19.3	51.8264
Ba 389.178	0.0698	ppb	0.3189	456.6	-43.8639
Be 313.042	0.0081	ppb	0.0025	30.7	-321.738
Ca 370.602	2.752	ppb	0.8971	32.6	24.01
Cd 226.502	-0.0478	ppb	0.0554	115.9	22.2122
Co 228.615	0.1040	ppb	0.0725	69.7	0.3353
Cr 267.716	-0.2288	ppb	0.0540	23.6	17.5206
Cu 324.754	0.0636	ppb	0.0134	21.0	193.454
Fe 271.441	22.2286	ppb	5.1266	23.1	43.4786
K 766.491	0.0115	ppb	0.3400	2956.2	329.124
Mg 279.078	-0.3206	ppb	1.1033	344.2	17.6021
Mn 257.610	0.1817	ppb	0.0179	9.8	107.875
Mo 202.032	-0.0208	ppb	0.1260	605.5	5.4982
Na 330.237	-16.7977	ppb	64.6841	385.1	26.7921
Ni 231.604	-0.2140	ppb	0.2195	102.6	-5.8093
Pb 220.353	-0.6036	ppb	2.4617	407.8	11.7359
Sb 206.834	1.3088	ppb	1.0465	80.0	-2.0810
Se 196.026	-4.5541	ppb	5.5314	121.5	4.8709
Sn 189.925	0.7833	ppb	0.5472	69.9	-5.4843
Sr 216.596	0.1555	ppb	0.0456	29.3	4.1824
Ti 334.941	0.0582	ppb	0.0403	69.2	-20.5902
Tl 190.794	0.2227	ppb	1.8738	841.4	-8.6011
V 292.401	0.2309	ppb	0.2467	106.8	-6.1493
Zn 206.200	0.1882	ppb	0.2042	108.5	0.5731

lcs 680-369306/2-b (Samp) **2/4/2015, 11:46:33 PM** **Rack 2, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	50.7934	50.1102	49.3856
Al 308.215	4999.45	4975.87	4892.45
As 188.980	97.9358	102.786	100.382
B 249.678	198.874	198.447	195.659
Ba 389.178	97.7507	97.7183	95.8635
Be 313.042	50.5911	50.2666	49.3925
Ca 370.602	4945	4906	4834
Cd 226.502	50.5476	50.1311	49.4413
Co 228.615	50.8320	51.7486	50.1067
Cr 267.716	102.480	102.237	100.531
Cu 324.754	103.746	102.432	100.143
Fe 271.441	4921.29	4896.33	4818.39
K 766.491	5566.12	5526.00	5412.20
Mg 279.078	5098.92	5070.93	4996.21
Mn 257.610	527.461	524.623	516.734
Mo 202.032	98.7289	97.3198	97.2023
Na 330.237	4886.05	4955.56	5001.71
Ni 231.604	101.421	100.985	101.478
Pb 220.353	501.159	501.898	494.833
Sb 206.834	51.5491	50.8213	51.5717
Se 196.026	99.7259	94.6841	93.3140
Sn 189.925	190.700	196.502	200.197
Sr 216.596	97.4931	97.3420	96.4377
Ti 334.941	98.0880	97.6251	95.8730

Label	Replicates Concentration		
Tl 190.794	44.6508	44.9615	41.8729
V 292.401	103.185	102.777	100.900
Zn 206.200	99.3643	104.133	100.844

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0964	ppb	0.7040	1.4	4660.80
Al 308.215	4955.93	ppb	56.2191	1.1	38868.2
As 188.980	100.368	ppb	2.4250	2.4	65.5934
B 249.678	197.660	ppb	1.7459	0.9	3780.92
Ba 389.178	97.1108	ppb	1.0803	1.1	2314.71
Be 313.042	50.0834	ppb	0.6199	1.2	98719.3
Ca 370.602	4895	ppb	56.04	1.1	15437
Cd 226.502	50.0400	ppb	0.5588	1.1	2346.39
Co 228.615	50.8958	ppb	0.8228	1.6	596.786
Cr 267.716	101.749	ppb	1.0624	1.0	5888.58
Cu 324.754	102.107	ppb	1.8232	1.8	8012.91
Fe 271.441	4878.67	ppb	53.6770	1.1	8249.63
K 766.491	5501.44	ppb	79.8456	1.5	265630
Mg 279.078	5055.35	ppb	53.0932	1.1	14701.2
Mn 257.610	522.939	ppb	5.5581	1.1	125746
Mo 202.032	97.7503	ppb	0.8495	0.9	679.816
Na 330.237	4947.77	ppb	58.2204	1.2	295.904
Ni 231.604	101.295	ppb	0.2697	0.3	324.874
Pb 220.353	499.297	ppb	3.8833	0.8	814.166
Sb 206.834	51.3140	ppb	0.4268	0.8	68.9658
Se 196.026	95.9080	ppb	3.3766	3.5	53.4473
Sn 189.925	195.800	ppb	4.7872	2.4	142.814
Sr 216.596	97.0909	ppb	0.5707	0.6	1185.89
Ti 334.941	97.1954	ppb	1.1683	1.2	31846.7
Tl 190.794	43.8284	ppb	1.7006	3.9	40.4899
V 292.401	102.288	ppb	1.2186	1.2	3051.84
Zn 206.200	101.447	ppb	2.4407	2.4	107.653

680-109417-a-5-d (Samp) **2/4/2015, 11:51:08 PM** **Rack 2, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	0.0930	0.0658u	-0.0515u
Al 308.215	5.8674	6.9653	4.7233
As 188.980	-1.4875u	-1.6624u	-1.9699u
B 249.678	54.4965	54.0482	53.8368
Ba 389.178	107.723	107.543	107.479
Be 313.042	-0.0095u	-0.0107u	-0.0112u
Ca 370.602	59858	59778	59652
Cd 226.502	0.0269	-0.0751u	0.0437
Co 228.615	0.2405	-0.0267u	0.2242
Cr 267.716	-0.2235u	-0.2810u	-0.2769u
Cu 324.754	0.1648	0.1862	0.2437
Fe 271.441	4.4427	8.3052	6.6370
K 766.491	3378.38	3379.43	3377.70
Mg 279.078	13298.0	13267.9	13286.9
Mn 257.610	652.354	652.963	652.533
Mo 202.032	1.5390	1.6950	1.3756
Na 330.237	39469.3	39394.3	39523.2

Label	Replicates Concentration		
Ni 231.604	1.5831	1.0333	1.5996
Pb 220.353	0.4825	0.5145	-0.7614u
Sb 206.834	-0.4185u	-1.6191u	-0.0662u
Se 196.026	1.7443	-9.2429u	0.4677
Sn 189.925	0.8660	0.4814	0.3312
Sr 216.596	280.743	280.090	282.210
Ti 334.941	0.0512	0.0553	0.0142
Tl 190.794	-1.6484u	0.6191	0.1849
V 292.401	0.2417	0.0015u	-0.1625u
Zn 206.200	0.3029	1.1222	1.2443

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0357	ppb	0.0768	214.9	-13.7200
Al 308.215	5.8520	ppb	1.1211	19.2	369.904
As 188.980	-1.7066	ppb	0.2442	14.3	-5.4278
B 249.678	54.1272	ppb	0.3369	0.6	1069.40
Ba 389.178	107.582	ppb	0.1264	0.1	2581.24
Be 313.042	-0.0105	ppb	0.0009	8.4	-341.522
Ca 370.602	59763	ppb	103.6	0.2	188214
Cd 226.502	-0.0015	ppb	0.0643	4274.4	24.2090
Co 228.615	0.1460	ppb	0.1498	102.6	0.7900
Cr 267.716	-0.2604	ppb	0.0320	12.3	19.8807
Cu 324.754	0.1982	ppb	0.0408	20.6	203.820
Fe 271.441	6.4617	ppb	1.9372	30.0	16.8755
K 766.491	3378.50	ppb	0.8688	0.0	163253
Mg 279.078	13284.3	ppb	15.2386	0.1	38622.1
Mn 257.610	652.617	ppb	0.3132	0.0	156953
Mo 202.032	1.5365	ppb	0.1597	10.4	16.2453
Na 330.237	39462.3	ppb	64.7057	0.2	2196.74
Ni 231.604	1.4053	ppb	0.3223	22.9	-0.5404
Pb 220.353	0.0786	ppb	0.7276	926.0	12.9624
Sb 206.834	-0.7013	ppb	0.8141	116.1	-4.9722
Se 196.026	-2.3436	ppb	6.0089	256.4	6.0918
Sn 189.925	0.5595	ppb	0.2759	49.3	-5.6418
Sr 216.596	281.014	ppb	1.0857	0.4	3438.68
Ti 334.941	0.0402	ppb	0.0227	56.3	-3.4618
Tl 190.794	-0.2815	ppb	1.2035	427.6	-8.8345
V 292.401	0.0269	ppb	0.2033	756.2	-12.8133
Zn 206.200	0.8898	ppb	0.5119	57.5	1.3180

680-109417-a-5-dSD^5 (Samp) **2/4/2015, 11:55:43 PM** **Rack 2, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	0.1451	-0.0465u	0.1304
Al 308.215	2.8852	4.9898	3.0443
As 188.980	-1.2169u	-2.2283u	-1.8291u
B 249.678	10.9657	11.3286	10.9535
Ba 389.178	20.9494	21.9946	21.6311
Be 313.042	0.0042	0.0018	0.0040
Ca 370.602	11601	11915	11623
Cd 226.502	0.0140	-0.0218u	0.0599
Co 228.615	0.0957	-0.1339u	-0.1566u
Cr 267.716	0.0107	-0.0384u	-0.0609u

Label	Replicates Concentration		
Cu 324.754	-0.0567u	0.0932	-0.0101u
Fe 271.441	5.6910	9.7851	5.2015
K 766.491	607.956	621.930	607.315
Mg 279.078	2593.01	2656.85	2590.63
Mn 257.610	130.515	134.136	130.610
Mo 202.032	0.5069	0.4081	0.3716
Na 330.237	7361.53	7615.27	7306.82
Ni 231.604	0.3568	-0.1408u	0.5010
Pb 220.353	-0.3461u	0.3949	-1.3640u
Sb 206.834	0.1946	0.1199	0.1167
Se 196.026	-1.4931u	-1.0570u	-6.1735u
Sn 189.925	-1.5956u	3.1904	1.9048
Sr 216.596	55.2625	57.4106	55.9016
Ti 334.941	0.0454	0.0631	0.0877
Tl 190.794	2.6765	-0.3938u	0.2215
V 292.401	-0.0238u	-0.0158u	0.2848
Zn 206.200	0.0045	1.9904	2.1545

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0763	ppb	0.1066	139.6	-4.1308
Al 308.215	3.6397	ppb	1.1719	32.2	352.676
As 188.980	-1.7581	ppb	0.5094	29.0	-5.4633
B 249.678	11.0826	ppb	0.2131	1.9	252.655
Ba 389.178	21.5250	ppb	0.5306	2.5	479.914
Be 313.042	0.0033	ppb	0.0014	40.9	-327.866
Ca 370.602	11713	ppb	175.1	1.5	36901
Cd 226.502	0.0174	ppb	0.0410	235.8	25.1309
Co 228.615	-0.0649	ppb	0.1396	214.9	-1.6608
Cr 267.716	-0.0295	ppb	0.0366	124.2	29.8155
Cu 324.754	0.0088	ppb	0.0767	872.8	189.268
Fe 271.441	6.8925	ppb	2.5170	36.5	17.5582
K 766.491	612.400	ppb	8.2590	1.3	29860.9
Mg 279.078	2613.50	ppb	37.5647	1.4	7613.17
Mn 257.610	131.754	ppb	2.0641	1.6	31737.1
Mo 202.032	0.4289	ppb	0.0700	16.3	8.6023
Na 330.237	7427.88	ppb	164.576	2.2	435.963
Ni 231.604	0.2390	ppb	0.3367	140.9	-4.3354
Pb 220.353	-0.4384	ppb	0.8831	201.4	12.0269
Sb 206.834	0.1437	ppb	0.0441	30.7	-3.7473
Se 196.026	-2.9079	ppb	2.8365	97.5	5.6954
Sn 189.925	1.1665	ppb	2.4769	212.3	-5.1905
Sr 216.596	56.1916	ppb	1.1030	2.0	689.320
Ti 334.941	0.0654	ppb	0.0212	32.4	-13.6819
Tl 190.794	0.8347	ppb	1.6244	194.6	-7.8355
V 292.401	0.0817	ppb	0.1759	215.3	-10.7898
Zn 206.200	1.3831	ppb	1.1967	86.5	1.8412

680-109417-a-5-dPDS (Samp) **2/5/2015, 12:00:18 AM** **Rack 2, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	67.2105	66.7839	66.5496
Al 308.215	774.889	775.873	777.147
As 188.980	73.4938	77.3518	80.3468

Label	Replicates Concentration		
B 249.678	200.390	200.554	200.203
Ba 389.178	171.111	171.654	171.498
Be 313.042	73.9429	73.9548	73.7676
Ca 370.602	66555	66544	66629
Cd 226.502	72.9648	73.0543	73.1466
Co 228.615	73.7069	73.3951	73.6654
Cr 267.716	74.7173	74.8012	74.7184
Cu 324.754	78.3883	77.4110	77.4515
Fe 271.441	7305.76	7300.29	7309.77
K 766.491	11964.5	11943.7	11935.6
Mg 279.078	20806.8	20859.2	20859.8
Mn 257.610	1427.79	1429.51	1429.80
Mo 202.032	73.7834	74.5186	74.3583
Na 330.237	46434.2	46719.0	46664.9
Ni 231.604	73.6207	76.2043	75.9752
Pb 220.353	71.8808	71.7318	76.4583
Sb 206.834	64.4633	61.9444	65.8811
Se 196.026	71.7220	67.2388	71.8583
Sn 189.925	73.2532	75.2103	75.6806
Sr 216.596	351.081	350.181	351.175
Ti 334.941	72.5574	72.5524	72.4037
Tl 190.794	16.1964	13.7731	18.1436
V 292.401	77.3768	77.5284	77.5783
Zn 206.200	77.4700	73.9167	76.1052

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	66.8480	ppb	0.3351	0.5	6217.62
Al 308.215	775.970	ppb	1.1323	0.1	6370.70
As 188.980	77.0641	ppb	3.4355	4.5	49.3553
B 249.678	200.382	ppb	0.1753	0.1	3826.43
Ba 389.178	171.421	ppb	0.2797	0.2	4145.92
Be 313.042	73.8885	ppb	0.1048	0.1	145826
Ca 370.602	66576	ppb	46.06	0.1	209641
Cd 226.502	73.0552	ppb	0.0909	0.1	3415.36
Co 228.615	73.5891	ppb	0.1693	0.2	863.701
Cr 267.716	74.7456	ppb	0.0481	0.1	4341.63
Cu 324.754	77.7503	ppb	0.5529	0.7	6148.10
Fe 271.441	7305.27	ppb	4.7584	0.1	12348.9
K 766.491	11947.9	ppb	14.8915	0.1	576506
Mg 279.078	20841.9	ppb	30.3928	0.1	60575.1
Mn 257.610	1429.04	ppb	1.0841	0.1	343556
Mo 202.032	74.2201	ppb	0.3866	0.5	517.359
Na 330.237	46606.0	ppb	151.252	0.3	2585.60
Ni 231.604	75.2667	ppb	1.4301	1.9	240.320
Pb 220.353	73.3570	ppb	2.6869	3.7	131.088
Sb 206.834	64.0962	ppb	1.9939	3.1	87.3018
Se 196.026	70.2730	ppb	2.6286	3.7	41.3355
Sn 189.925	74.7147	ppb	1.2874	1.7	50.7505
Sr 216.596	350.812	ppb	0.5484	0.2	4295.90
Ti 334.941	72.5045	ppb	0.0873	0.1	23777.1
Tl 190.794	16.0377	ppb	2.1896	13.7	9.0415
V 292.401	77.4945	ppb	0.1049	0.1	2307.39
Zn 206.200	75.8307	ppb	1.7925	2.4	80.4398

Cont Calib Verif (CCV) **2/5/2015, 12:04:53 AM** **Rack 2, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	455.821	456.347	457.149
Al 308.215	4604.36	4611.39	4602.00
As 188.980	463.637	462.891	460.933
B 249.678	463.732	466.646	464.718
Ba 389.178	4543.02	4546.31	4538.89
Be 313.042	469.058	469.511	469.049
Ca 370.602	4605	4609	4585
Cd 226.502	459.927	460.978	458.544
Co 228.615	470.843	471.569	470.953
Cr 267.716	4719.24	4721.40	4704.78
Cu 324.754	4799.86	4820.51	4828.32
Fe 271.441	4538.11	4540.68	4532.74
K 766.491	9969.04	9987.66	9967.41
Mg 279.078	4710.34	4721.45	4709.89
Mn 257.610	4771.59	4781.46	4764.08
Mo 202.032	458.134	457.818	456.594
Na 330.237	7191.23	7303.15	7357.31
Ni 231.604	2376.09	2379.53	2367.32
Pb 220.353	464.439	462.137	465.770
Sb 206.834	913.484	913.914	911.456
Se 196.026	4661.44	4703.48	4671.67
Sn 189.925	4640.84	4640.54	4610.51
Sr 216.596	2283.16	2284.90	2282.65
Ti 334.941	443.944	445.210	444.838
Tl 190.794	4677.71	4710.56	4671.18
V 292.401	4679.06	4688.04	4671.33
Zn 206.200	2310.09	2314.12	2303.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	456.439	ppb	0.6685	0.1	42511.3	91.28776
Al 308.215	4605.92	ppb	4.8836	0.1	36857.0	92.11836
As 188.980	462.487	ppb	1.3966	0.3	317.664	92.49748
B 249.678	465.032	ppb	1.4824	0.3	8869.82	93.00638
Ba 389.178	4542.74	ppb	3.7222	0.1	109633	90.85478
Be 313.042	469.206	ppb	0.2638	0.1	927963	93.84123
Ca 370.602	4600	ppb	12.82	0.3	14842	91.99062
Cd 226.502	459.816	ppb	1.2204	0.3	21162.9	91.96325
Co 228.615	471.122	ppb	0.3913	0.1	5538.40	94.22435
Cr 267.716	4715.14	ppb	9.0321	0.2	271283	94.30277
Cu 324.754	4816.23	ppb	14.7066	0.3	368973	96.32460
Fe 271.441	4537.18	ppb	4.0536	0.1	7766.22	90.74352
K 766.491	9974.70	ppb	11.2511	0.1	481348	99.74704
Mg 279.078	4713.89	ppb	6.5478	0.1	13615.5	94.27786
Mn 257.610	4772.38	ppb	8.7162	0.2	1146559	95.44756
Mo 202.032	457.516	ppb	0.8132	0.2	3157.32	91.50310
Na 330.237	7283.90	ppb	84.6964	1.2	371.159	97.11868
Ni 231.604	2374.31	ppb	6.2969	0.3	7721.64	94.97256
Pb 220.353	464.115	ppb	1.8382	0.4	761.546	92.82305
Sb 206.834	912.951	ppb	1.3127	0.1	1351.71	91.29515
Se 196.026	4678.86	ppb	21.9231	0.5	2262.63	93.57726
Sn 189.925	4630.63	ppb	17.4235	0.4	3515.20	92.61259
Sr 216.596	2283.57	ppb	1.1806	0.1	27675.3	91.34293

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	444.664	ppb	0.6505	0.1	145800	88.93279Q
Tl 190.794	4686.48	ppb	21.1053	0.5	5335.93	93.72968
V 292.401	4679.48	ppb	8.3608	0.2	141174	93.58954
Zn 206.200	2309.28	ppb	5.2810	0.2	2441.39	92.37138

Cont Calib Blank (CCB) **2/5/2015, 12:09:28 AM** **Rack 2, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.3018	-0.0307u	-0.0185u
Al 308.215	1.1459	2.2888	1.6751
As 188.980	-1.4627u	-2.2896u	-1.0113u
B 249.678	1.8837	1.6407	1.8666
Ba 389.178	0.7555	0.2706	0.0959
Be 313.042	0.0203	0.0194	0.0129
Ca 370.602	0.1257	2.040	5.922
Cd 226.502	0.0482	-0.2220u	0.0214
Co 228.615	-0.3760u	0.3593	0.1679
Cr 267.716	0.0815	-0.0680u	-0.0715u
Cu 324.754	-0.0351u	0.0008	0.2665
Fe 271.441	-0.7055u	0.3061	2.7596
K 766.491	-1.1867u	-0.3657u	-0.7626u
Mg 279.078	-0.4711u	1.2972	-1.4226u
Mn 257.610	0.1423	0.1145	0.1262
Mo 202.032	0.3666	0.6942	0.3578
Na 330.237	-21.2044u	-3.5695u	45.1258
Ni 231.604	0.3418	0.0840	0.4369
Pb 220.353	0.3633	-2.0308u	-0.3659u
Sb 206.834	2.5465	2.2960	1.3099
Se 196.026	-0.3547u	7.5120	0.4958
Sn 189.925	2.0010	2.2471	0.3882
Sr 216.596	-0.2069u	-0.1504u	-0.1543u
Ti 334.941	0.1307	0.1015	0.1189
Tl 190.794	1.9255	1.9035	-0.7647u
V 292.401	0.0785	0.1585	0.0404
Zn 206.200	1.2872	1.1263	1.0685

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0842	ppb	0.1885	223.9	-1.9460	0.08420
Al 308.215	1.7033	ppb	0.5719	33.6	337.619	1.70326
As 188.980	-1.5879	ppb	0.6483	40.8	-5.3447	-1.58787
B 249.678	1.7970	ppb	0.1356	7.5	76.4779	1.79700
Ba 389.178	0.3740	ppb	0.3418	91.4	-36.5337	0.37400
Be 313.042	0.0175	ppb	0.0041	23.2	-303.180	0.01753
Ca 370.602	2.696	ppb	2.953	109.5	24.06	2.69616
Cd 226.502	-0.0508	ppb	0.1489	293.0	21.9862	-0.05080
Co 228.615	0.0504	ppb	0.3814	757.1	-0.3067	0.05038
Cr 267.716	-0.0193	ppb	0.0873	452.4	29.5663	-0.01931
Cu 324.754	0.0774	ppb	0.1647	212.8	194.523	0.07743
Fe 271.441	0.7867	ppb	1.7818	226.5	7.2727	0.78674
K 766.491	-0.7717	ppb	0.4106	53.2	291.356	-0.77167
Mg 279.078	-0.1988	ppb	1.3802	694.2	17.9580	-0.19881
Mn 257.610	0.1276	ppb	0.0140	10.9	94.8405	0.12764
Mo 202.032	0.4729	ppb	0.1918	40.6	8.9059	0.47287

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	6.7839	ppb	34.3558	506.4	28.0678	6.78394
Ni 231.604	0.2876	ppb	0.1826	63.5	-4.1783	0.28755
Pb 220.353	-0.6778	ppb	1.2272	181.1	11.6152	-0.67780
Sb 206.834	2.0508	ppb	0.6538	31.9	-1.0283	2.05078
Se 196.026	2.5510	ppb	4.3173	169.2	8.2941	2.55105
Sn 189.925	1.5454	ppb	1.0097	65.3	-4.9047	1.54544
Sr 216.596	-0.1705	ppb	0.0316	18.5	0.1727	-0.17054
Ti 334.941	0.1170	ppb	0.0147	12.6	-1.3028	0.11704
Tl 190.794	1.0214	ppb	1.5468	151.4	-7.6910	1.02142
V 292.401	0.0925	ppb	0.0603	65.2	-10.4404	0.09248
Zn 206.200	1.1607	ppb	0.1133	9.8	1.6051	1.16065

680-109417-a-5-e ms (Samp) **2/5/2015, 12:14:03 AM** **Rack 2, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	50.5588	50.4859	50.1850
Al 308.215	5077.62	5080.70	5088.93
As 188.980	107.505	109.123	108.839
B 249.678	251.817	251.766	252.235
Ba 389.178	201.149	201.332	200.880
Be 313.042	49.9410	49.9059	49.8472
Ca 370.602	63238	63383	63377
Cd 226.502	49.3893	49.8305	49.7134
Co 228.615	49.6615	49.9572	50.0096
Cr 267.716	100.520	100.808	100.366
Cu 324.754	103.550	103.269	103.410
Fe 271.441	4825.92	4826.92	4821.68
K 766.491	9315.52	9290.51	9291.10
Mg 279.078	18117.5	18162.1	18144.9
Mn 257.610	1159.87	1162.05	1160.33
Mo 202.032	97.5047	98.6066	99.2485
Na 330.237	44229.2	44285.3	43928.3
Ni 231.604	99.8198	101.099	100.979
Pb 220.353	492.827	496.280	499.094
Sb 206.834	51.0001	49.1922	52.4116
Se 196.026	97.3756	104.054	98.5221
Sn 189.925	189.876	195.632	196.612
Sr 216.596	373.333	375.016	372.189
Ti 334.941	96.0371	96.0540	95.9367
Tl 190.794	40.9864	38.9358	43.0530
V 292.401	101.324	101.630	100.753
Zn 206.200	100.288	98.9879	99.4429

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.4099	ppb	0.1981	0.4	4682.87
Al 308.215	5082.42	ppb	5.8438	0.1	39851.3
As 188.980	108.489	ppb	0.8638	0.8	71.2490
B 249.678	251.939	ppb	0.2572	0.1	4811.03
Ba 389.178	201.120	ppb	0.2276	0.1	4854.79
Be 313.042	49.8980	ppb	0.0474	0.1	98369.3
Ca 370.602	63333	ppb	81.78	0.1	199462
Cd 226.502	49.6444	ppb	0.2285	0.5	2327.91
Co 228.615	49.8761	ppb	0.1877	0.4	584.766

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	100.565	ppb	0.2247	0.2	5824.53
Cu 324.754	103.409	ppb	0.1406	0.1	8112.66
Fe 271.441	4824.84	ppb	2.7800	0.1	8158.63
K 766.491	9299.04	ppb	14.2750	0.2	448765
Mg 279.078	18141.5	ppb	22.5105	0.1	52729.0
Mn 257.610	1160.75	ppb	1.1514	0.1	279076
Mo 202.032	98.4532	ppb	0.8820	0.9	684.669
Na 330.237	44147.6	ppb	191.958	0.4	2450.56
Ni 231.604	100.633	ppb	0.7066	0.7	322.718
Pb 220.353	496.067	ppb	3.1389	0.6	809.108
Sb 206.834	50.8680	ppb	1.6138	3.2	68.3048
Se 196.026	99.9840	ppb	3.5712	3.6	55.5631
Sn 189.925	194.040	ppb	3.6394	1.9	141.488
Sr 216.596	373.513	ppb	1.4219	0.4	4566.11
Ti 334.941	96.0093	ppb	0.0634	0.1	31480.4
Tl 190.794	40.9917	ppb	2.0586	5.0	37.5979
V 292.401	101.235	ppb	0.4450	0.4	3019.79
Zn 206.200	99.5731	ppb	0.6600	0.7	105.669

680-109417-a-5-f msd (Samp) **2/5/2015, 12:18:38 AM** **Rack 2, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	49.3294	49.6808	49.3071
Al 308.215	4997.07	4991.02	4984.49
As 188.980	104.480	102.878	100.527
B 249.678	246.533	246.527	246.955
Ba 389.178	196.176	196.111	195.560
Be 313.042	49.0382	48.9764	48.9957
Ca 370.602	61747	61582	61303
Cd 226.502	48.6360	48.2291	48.3038
Co 228.615	49.0613	48.8684	49.0917
Cr 267.716	98.9258	98.4031	98.0865
Cu 324.754	101.050	101.594	101.268
Fe 271.441	4739.42	4732.27	4723.26
K 766.491	9089.93	9113.47	9116.00
Mg 279.078	17696.1	17656.9	17652.6
Mn 257.610	1132.58	1130.11	1130.31
Mo 202.032	95.7404	96.4102	96.9587
Na 330.237	42954.2	42915.6	43228.8
Ni 231.604	100.369	98.7319	98.3581
Pb 220.353	486.420	487.305	486.099
Sb 206.834	52.2490	51.8300	52.4407
Se 196.026	95.0327	101.936	95.2193
Sn 189.925	194.707	194.246	188.173
Sr 216.596	361.760	361.540	363.365
Ti 334.941	93.9603	93.9206	94.1395
Tl 190.794	40.1434	41.1220	40.6244
V 292.401	99.5156	99.4956	99.4260
Zn 206.200	99.0368	96.9574	95.6602

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.4391	ppb	0.2096	0.4	4592.64
Al 308.215	4990.86	ppb	6.2896	0.1	39139.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	102.628	ppb	1.9882	1.9	67.1691
B 249.678	246.672	ppb	0.2456	0.1	4711.32
Ba 389.178	195.949	ppb	0.3388	0.2	4728.87
Be 313.042	49.0034	ppb	0.0316	0.1	96599.4
Ca 370.602	61544	ppb	224.1	0.4	193829
Cd 226.502	48.3896	ppb	0.2166	0.4	2269.81
Co 228.615	49.0071	ppb	0.1211	0.2	574.558
Cr 267.716	98.4718	ppb	0.4239	0.4	5703.90
Cu 324.754	101.304	ppb	0.2736	0.3	7951.35
Fe 271.441	4731.65	ppb	8.0991	0.2	8001.18
K 766.491	9106.47	ppb	14.3790	0.2	439478
Mg 279.078	17668.5	ppb	23.9847	0.1	51354.8
Mn 257.610	1131.00	ppb	1.3740	0.1	271925
Mo 202.032	96.3698	ppb	0.6102	0.6	670.299
Na 330.237	43032.9	ppb	170.762	0.4	2389.38
Ni 231.604	99.1530	ppb	1.0696	1.1	317.895
Pb 220.353	486.608	ppb	0.6244	0.1	793.920
Sb 206.834	52.1732	ppb	0.3123	0.6	70.1679
Se 196.026	97.3961	ppb	3.9331	4.0	54.3080
Sn 189.925	192.376	ppb	3.6467	1.9	140.222
Sr 216.596	362.222	ppb	0.9963	0.3	4428.15
Ti 334.941	94.0068	ppb	0.1166	0.1	30822.9
Tl 190.794	40.6299	ppb	0.4893	1.2	37.1874
V 292.401	99.4791	ppb	0.0470	0.0	2967.26
Zn 206.200	97.2181	ppb	1.7034	1.8	103.177

mb 680-369330/1-a (Samp) **2/5/2015, 12:23:13 AM** **Rack 2, Tube 53**

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

Label	Replicates Concentration		
Ag 328.068	0.0092	0.2208	0.2674
Al 308.215	3.3208	3.1415	3.4426
As 188.980	-1.0885u	0.4847	-5.2576u
B 249.678	1.9814	1.7641	1.1653
Ba 389.178	-0.2325u	-0.0146u	-0.2401u
Be 313.042	0.0045	0.0109	0.0138
Ca 370.602	11.02	6.968	9.607
Cd 226.502	0.0030	0.0174	0.0803
Co 228.615	0.1004	-0.3576u	0.0759
Cr 267.716	-0.0187u	0.0223	-0.0870u
Cu 324.754	-0.1112u	0.0269	-0.0737u
Fe 271.441	1.9624	3.1624	6.5693
K 766.491	0.1553	0.3600	0.0763
Mg 279.078	1.5769	1.3138	2.7506
Mn 257.610	0.1277	0.1528	0.1714
Mo 202.032	0.3187	0.4023	-0.0422u
Na 330.237	-53.6412u	36.6440	-26.7391u
Ni 231.604	-0.4694u	0.3744	-0.2550u
Pb 220.353	-1.2169u	0.0064	-1.0069u
Sb 206.834	-0.5166u	-0.2164u	0.0134
Se 196.026	-0.6091u	2.3601	-5.0389u
Sn 189.925	2.9691	1.6532	0.4176
Sr 216.596	0.2798	-0.0294u	-0.3489u
Ti 334.941	0.1357	0.1429	0.1005

Label	Replicates Concentration		
Tl 190.794	2.9857	3.0793	0.3053
V 292.401	0.1697	0.3670	0.0106
Zn 206.200	1.0653	1.3112	-0.7533u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1658	ppb	0.1376	83.0	5.6563
Al 308.215	3.3016	ppb	0.1515	4.6	350.056
As 188.980	-1.9538	ppb	2.9673	151.9	-5.5995
B 249.678	1.6369	ppb	0.4226	25.8	73.4041
Ba 389.178	-0.1624	ppb	0.1281	78.9	-49.4781
Be 313.042	0.0097	ppb	0.0047	48.7	-318.524
Ca 370.602	9.198	ppb	2.056	22.3	44.54
Cd 226.502	0.0336	ppb	0.0411	122.4	25.8605
Co 228.615	-0.0604	ppb	0.2576	426.4	-1.6016
Cr 267.716	-0.0278	ppb	0.0552	198.5	29.0749
Cu 324.754	-0.0527	ppb	0.0714	135.5	184.548
Fe 271.441	3.8980	ppb	2.3900	61.3	12.5106
K 766.491	0.1972	ppb	0.1464	74.3	338.079
Mg 279.078	1.8805	ppb	0.7650	40.7	24.0016
Mn 257.610	0.1506	ppb	0.0219	14.6	100.379
Mo 202.032	0.2263	ppb	0.2362	104.4	7.2042
Na 330.237	-14.5788	ppb	46.3547	318.0	26.9024
Ni 231.604	-0.1167	ppb	0.4386	375.9	-5.4937
Pb 220.353	-0.7391	ppb	0.6541	88.5	11.5171
Sb 206.834	-0.2399	ppb	0.2658	110.8	-4.2896
Se 196.026	-1.0960	ppb	3.7235	339.7	6.5369
Sn 189.925	1.6800	ppb	1.2760	76.0	-4.8024
Sr 216.596	-0.0328	ppb	0.3143	957.1	1.8700
Ti 334.941	0.1264	ppb	0.0227	17.9	1.7643
Tl 190.794	2.1234	ppb	1.5753	74.2	-6.4357
V 292.401	0.1824	ppb	0.1785	97.9	-7.6607
Zn 206.200	0.5411	ppb	1.1277	208.4	0.9478

lcs 680-369330/2-a (Samp) **2/5/2015, 12:27:47 AM** **Rack 2, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	49.9085	49.8553	50.4289
Al 308.215	4979.95	4974.40	5053.70
As 188.980	102.365	98.4132	103.437
B 249.678	199.904	200.183	202.869
Ba 389.178	98.7221	97.9358	99.1625
Be 313.042	51.8747	51.7860	52.5865
Ca 370.602	4932	4914	5011
Cd 226.502	50.2158	50.3004	50.9365
Co 228.615	50.4112	51.0610	51.7740
Cr 267.716	103.004	102.236	104.495
Cu 324.754	103.527	103.809	106.263
Fe 271.441	4903.60	4892.14	4975.61
K 766.491	5356.32	5328.67	5435.34
Mg 279.078	5068.38	5069.51	5152.61
Mn 257.610	528.043	527.032	536.568
Mo 202.032	99.2965	100.304	99.9686
Na 330.237	4989.46	5024.63	5011.15

Label	Replicates Concentration		
Ni 231.604	101.564	101.892	102.647
Pb 220.353	503.024	506.408	511.268
Sb 206.834	50.1272	51.7658	50.9833
Se 196.026	96.7845	105.301	105.595
Sn 189.925	198.337	200.622	199.695
Sr 216.596	98.5968	98.2871	100.468
Ti 334.941	97.7432	97.4356	98.8406
Tl 190.794	41.0997	41.7732	40.8592
V 292.401	103.065	102.475	104.642
Zn 206.200	98.7705	100.191	100.639

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0642	ppb	0.3169	0.6	4657.76
Al 308.215	5002.68	ppb	44.2653	0.9	39231.9
As 188.980	101.405	ppb	2.6460	2.6	66.3149
B 249.678	200.986	ppb	1.6374	0.8	3843.90
Ba 389.178	98.6068	ppb	0.6214	0.6	2351.00
Be 313.042	52.0824	ppb	0.4388	0.8	102673
Ca 370.602	4952	ppb	51.50	1.0	15616
Cd 226.502	50.4842	ppb	0.3940	0.8	2367.03
Co 228.615	51.0821	ppb	0.6817	1.3	598.937
Cr 267.716	103.245	ppb	1.1484	1.1	5974.70
Cu 324.754	104.533	ppb	1.5049	1.4	8198.82
Fe 271.441	4923.78	ppb	45.2523	0.9	8325.82
K 766.491	5373.44	ppb	55.3592	1.0	259457
Mg 279.078	5096.83	ppb	48.3089	0.9	14821.6
Mn 257.610	530.548	ppb	5.2379	1.0	127575
Mo 202.032	99.8564	ppb	0.5131	0.5	694.345
Na 330.237	5008.42	ppb	17.7438	0.4	299.249
Ni 231.604	102.034	ppb	0.5553	0.5	327.285
Pb 220.353	506.900	ppb	4.1442	0.8	826.368
Sb 206.834	50.9588	ppb	0.8196	1.6	68.4472
Se 196.026	102.560	ppb	5.0040	4.9	56.6546
Sn 189.925	199.551	ppb	1.1494	0.6	145.667
Sr 216.596	99.1172	ppb	1.1799	1.2	1210.57
Ti 334.941	98.0065	ppb	0.7386	0.8	32112.9
Tl 190.794	41.2440	ppb	0.4738	1.1	37.5383
V 292.401	103.394	ppb	1.1202	1.1	3084.73
Zn 206.200	99.8670	ppb	0.9756	1.0	105.972

640-50304-j-2-c (Samp) **2/5/2015, 12:32:22 AM** **Rack 2, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-0.1446u	-0.1237u	-0.1527u
Al 308.215	49.5663	52.2102	50.9160
As 188.980	-3.1715u	-5.2315u	-3.5543u
B 249.678	106.109	105.869	105.889
Ba 389.178	1199.92	1202.96	1201.17
Be 313.042	0.0060u	0.0031u	0.0002u
Ca 370.602	419892	422044	420900
Cd 226.502	-0.1090	0.0057	0.0194
Co 228.615	1.1334	0.5456	1.1033
Cr 267.716	1.2469	1.5449	1.2138

Label	Replicates Concentration		
Cu 324.754	0.7607	0.7312	0.6167
Fe 271.441	19939.9	19994.9	19911.2
K 766.491	22951.4	23028.3	23033.7
Mg 279.078	113713	113763	113706
Mn 257.610	2301.17	2306.24	2300.87
Mo 202.032	-0.5772u	-0.6506u	0.1773
Na 330.237	1568979x	1576284x	1564083x
Ni 231.604	7.7976	7.9348	9.4066
Pb 220.353	-0.8994	0.8856	3.4163
Sb 206.834	0.6339	0.9245	3.2535
Se 196.026	4.8208	9.7985	13.9093
Sn 189.925	-0.0733	1.7851	2.9732
Sr 216.596	1760.23	1763.13	1762.17
Ti 334.941	2.3951	2.4316	2.4151
Tl 190.794	-3.1783u	-2.5034u	-6.4685u
V 292.401	6.9897	7.2957	6.9752
Zn 206.200	5.6324	4.2936	3.3080

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1403b	ppb	0.0149	10.6	-83.0103
Al 308.215	50.8975b	ppb	1.3221	2.6	723.500
As 188.980	-3.9857b	ppb	1.0957	27.5	-7.1514
B 249.678	105.956b	ppb	0.1333	0.1	2000.28
Ba 389.178	1201.35b	ppb	1.5265	0.1	29226.1
Be 313.042	0.0031b	ppb	0.0029	93.0	-365.948
Ca 370.602	420945b	ppb	1077	0.3	1325323
Cd 226.502	-0.0280b	ppb	0.0705	252.1	112.685
Co 228.615	0.9274b	ppb	0.3310	35.7	11.4887
Cr 267.716	1.3352b	ppb	0.1824	13.7	162.533
Cu 324.754	0.7029b	ppb	0.0761	10.8	251.321
Fe 271.441	19948.6b	ppb	42.5152	0.2	33684.6
K 766.491	23004.5b	ppb	46.0219	0.2	1109695
Mg 279.078	113727b	ppb	31.2248	0.0	330578
Mn 257.610	2302.76b	ppb	3.0180	0.1	554279
Mo 202.032	-0.3501b	ppb	0.4583	130.9	2.2683
Na 330.237	1569782xb	ppb	6139.79	0.4	86304.6
Ni 231.604	8.3797b	ppb	0.8920	10.6	23.9492
Pb 220.353	1.1341b	ppb	2.1685	191.2	16.3591
Sb 206.834	1.6040b	ppb	1.4359	89.5	-1.2533
Se 196.026	9.5095b	ppb	4.5511	47.9	12.3873
Sn 189.925	1.5617b	ppb	1.5355	98.3	-4.3885
Sr 216.596	1761.84b	ppb	1.4812	0.1	21591.5
Ti 334.941	2.4139b	ppb	0.0183	0.8	841.014
Tl 190.794	-4.0501b	ppb	2.1214	52.4	-15.4826
V 292.401	7.0868b	ppb	0.1810	2.6	180.867
Zn 206.200	4.4113b	ppb	1.1667	26.4	4.3605

640-50304-j-7-c (Samp) **2/5/2015, 12:36:57 AM** **Rack 2, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	0.0053u	0.0823u	-0.2431u
Al 308.215	21.7290	21.7147	21.3583
As 188.980	7.5415	9.5102	3.0497

Label	Replicates Concentration		
B 249.678	140.501	139.965	139.913
Ba 389.178	3181.29	3183.87	3186.00
Be 313.042	0.0128u	0.0100u	0.0214u
Ca 370.602	480907	477280	481583
Cd 226.502	0.2303	0.0717	0.2831
Co 228.615	7.0554	6.7776	6.8090
Cr 267.716	0.0787	0.1822	-0.0610
Cu 324.754	0.2891	0.2177	0.3260
Fe 271.441	32936.6	32946.8	32929.3
K 766.491	37546.2	37552.3	37362.2
Mg 279.078	220100	219948	220229
Mn 257.610	763.925	763.482	763.599
Mo 202.032	9.3551	8.4705	8.6839
Na 330.237	1918569x	1905870x	1910144x
Ni 231.604	9.7666	9.5358	9.1183
Pb 220.353	2.2411	0.2563	3.5120
Sb 206.834	-1.2379u	2.7480	2.2995
Se 196.026	7.7743	11.5739	-6.9336u
Sn 189.925	-2.5690u	-3.3315u	0.7589
Sr 216.596	2187.51	2185.83	2187.00
Ti 334.941	0.2297	0.2321	0.2663
Tl 190.794	-7.5005u	-5.7374u	-5.4836u
V 292.401	7.0524	6.9896	6.4085
Zn 206.200	3.2937	4.1571	3.4403

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0518b	ppb	0.1701	328.2	-103.923
Al 308.215	21.6007b	ppb	0.2100	1.0	497.484
As 188.980	6.7005b	ppb	3.3114	49.4	0.1983
B 249.678	140.126b	ppb	0.3257	0.2	2614.38
Ba 389.178	3183.72b	ppb	2.3617	0.1	77327.5
Be 313.042	0.0148b	ppb	0.0059	40.2	-369.470
Ca 370.602	479924b	ppb	2314	0.5	1510841
Cd 226.502	0.1950b	ppb	0.1100	56.4	186.526
Co 228.615	6.8806b	ppb	0.1521	2.2	82.0464
Cr 267.716	0.0666b	ppb	0.1220	183.1	95.5245
Cu 324.754	0.2776b	ppb	0.0551	19.8	225.039
Fe 271.441	32937.5b	ppb	8.7890	0.0	55613.9
K 766.491	37486.9b	ppb	108.040	0.3	1808095
Mg 279.078	220092b	ppb	140.591	0.1	639818
Mn 257.610	763.668b	ppb	0.2295	0.0	185505
Mo 202.032	8.8365b	ppb	0.4616	5.2	65.0404
Na 330.237	1911528xb	ppb	6461.73	0.3	105085
Ni 231.604	9.4736b	ppb	0.3286	3.5	28.6634
Pb 220.353	2.0031b	ppb	1.6408	81.9	18.3062
Sb 206.834	1.2699b	ppb	2.1833	171.9	-1.6686
Se 196.026	4.1382b	ppb	9.7749	236.2	9.5561
Sn 189.925	-1.7139b	ppb	2.1751	126.9	-6.7693
Sr 216.596	2186.78b	ppb	0.8599	0.0	26792.1
Ti 334.941	0.2427b	ppb	0.0205	8.4	312.836
Tl 190.794	-6.2405b	ppb	1.0985	17.6	-20.9181
V 292.401	6.8168b	ppb	0.3550	5.2	163.763
Zn 206.200	3.6304b	ppb	0.4620	12.7	3.0847

640-50339-h-1-a (Samp) **2/5/2015, 12:41:31 AM** **Rack 2, Tube 57**

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

Label	Replicates Concentration		
Ag 328.068	0.0094u	-0.0446u	-0.1255u
Al 308.215	193.119	193.104	193.675
As 188.980	3.6958	2.5327	1.6189
B 249.678	2241.54	2247.15	2248.60
Ba 389.178	364.667	365.764	363.409
Be 313.042	0.1124u	0.1107u	0.1163
Ca 370.602	126270	126398	126956
Cd 226.502	0.1059	0.1829	0.1082
Co 228.615	0.7310	1.3161	1.0615
Cr 267.716	0.9500	0.9298	1.2031
Cu 324.754	2.0327	2.1935	2.2833
Fe 271.441	8401.40	8394.59	8393.09
K 766.491	104149x	104101x	103944x
Mg 279.078	197209	197019	196976
Mn 257.610	369.580	369.474	369.551
Mo 202.032	0.4627	0.0833	-0.0876u
Na 330.237	2158898x	2155004x	2152303x
Ni 231.604	4.2896	4.6063	4.5686
Pb 220.353	2.5445	-0.5953u	4.9519
Sb 206.834	1.6709	0.2479	3.5393
Se 196.026	8.6459	7.4691	10.4579
Sn 189.925	-2.3625u	-4.5133u	1.3122
Sr 216.596	1214.69	1214.35	1210.41
Ti 334.941	2.5846	2.8605	2.7216
Tl 190.794	-4.6694u	-5.8625u	-5.2150u
V 292.401	1.9581	1.8474	2.0856
Zn 206.200	7.2577	6.6793	8.5602

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0536b	ppb	0.0679	126.8	-63.7898
Al 308.215	193.299b	ppb	0.3255	0.2	1828.25
As 188.980	2.6158b	ppb	1.0409	39.8	-2.4749
B 249.678	2245.76b	ppb	3.7311	0.2	42634.2
Ba 389.178	364.613b	ppb	1.1781	0.3	9208.83
Be 313.042	0.1131b	ppb	0.0029	2.5	-337.856
Ca 370.602	126541b	ppb	365.0	0.3	398384
Cd 226.502	0.1323b	ppb	0.0438	33.1	60.3655
Co 228.615	1.0362b	ppb	0.2934	28.3	12.0216
Cr 267.716	1.0276b	ppb	0.1523	14.8	141.407
Cu 324.754	2.1699b	ppb	0.1270	5.9	358.533
Fe 271.441	8396.36b	ppb	4.4310	0.1	14181.3
K 766.491	104065xb	ppb	107.220	0.1	5018740
Mg 279.078	197068b	ppb	123.697	0.1	572894
Mn 257.610	369.535b	ppb	0.0546	0.0	90543.2
Mo 202.032	0.1528b	ppb	0.2817	184.4	6.2949
Na 330.237	2155401xb	ppb	3315.45	0.2	118496
Ni 231.604	4.4882b	ppb	0.1730	3.9	10.2460
Pb 220.353	2.3004b	ppb	2.7816	120.9	17.0420
Sb 206.834	1.8194b	ppb	1.6507	90.7	-1.1726
Se 196.026	8.8576b	ppb	1.5056	17.0	11.5025
Sn 189.925	-1.8545b	ppb	2.9458	158.8	-6.7990
Sr 216.596	1213.15b	ppb	2.3817	0.2	14797.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	2.7222b	ppb	0.1380	5.1	1055.66
Tl 190.794	-5.2489b	ppb	0.5973	11.4	-15.9932
V 292.401	1.9637b	ppb	0.1192	6.1	26.7617
Zn 206.200	7.4991b	ppb	0.9634	12.8	8.0368

640-50339-p-2-a (Samp) **2/5/2015, 12:46:06 AM** **Rack 2, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	-0.1015u	-0.1296u	-0.0560u
Al 308.215	180.471	181.486	178.926
As 188.980	0.8287	-3.1852u	-3.2571u
B 249.678	2230.54	2239.46	2220.37
Ba 389.178	364.947	364.590	359.055
Be 313.042	0.1152	0.1094u	0.1149
Ca 370.602	125944	125751	124208
Cd 226.502	0.1168	-0.0001	-0.0726
Co 228.615	1.1267	1.0437	0.5041
Cr 267.716	0.6883	0.7218	1.0877
Cu 324.754	2.1373	2.5299	2.0604
Fe 271.441	8310.50	8314.88	8221.80
K 766.491	103624x	103947x	102782x
Mg 279.078	195744	196049	194068
Mn 257.610	367.993	368.276	364.490
Mo 202.032	0.2302	0.8760	-0.0441u
Na 330.237	2148753x	2125374x	2115436x
Ni 231.604	4.1839	4.2010	3.9599
Pb 220.353	2.5844	-0.1729	2.0172
Sb 206.834	6.3477	-1.5886u	-0.6422u
Se 196.026	6.4910	4.9016	5.8936
Sn 189.925	-4.6880u	-2.4648u	1.1696
Sr 216.596	1201.48	1207.63	1195.83
Ti 334.941	2.5560	2.5930	2.4724
Tl 190.794	-1.9009u	-6.5037u	-5.7802u
V 292.401	2.0903	2.0165	2.0503
Zn 206.200	5.4281	10.3960	6.5770

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0957b	ppb	0.0371	38.8	-67.2790
Al 308.215	180.295b	ppb	1.2890	0.7	1727.16
As 188.980	-1.8712b	ppb	2.3384	125.0	-5.5991
B 249.678	2230.12b	ppb	9.5502	0.4	42337.7
Ba 389.178	362.864b	ppb	3.3031	0.9	9162.51
Be 313.042	0.1132b	ppb	0.0033	2.9	-334.842
Ca 370.602	125301b	ppb	951.1	0.8	394479
Cd 226.502	0.0147b	ppb	0.0956	649.0	54.6257
Co 228.615	0.8915b	ppb	0.3380	37.9	10.3019
Cr 267.716	0.8326b	ppb	0.2216	26.6	129.582
Cu 324.754	2.2425b	ppb	0.2518	11.2	364.065
Fe 271.441	8282.39b	ppb	52.5197	0.6	13988.9
K 766.491	103451xb	ppb	601.742	0.6	4989152
Mg 279.078	195287b	ppb	1066.54	0.5	567716
Mn 257.610	366.920b	ppb	2.1091	0.6	89899.7
Mo 202.032	0.3540b	ppb	0.4724	133.4	7.6882

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	2129855xb	ppb	17104.1	0.8	117092
Ni 231.604	4.1149b	ppb	0.1345	3.3	9.0226
Pb 220.353	1.4762b	ppb	1.4561	98.6	15.7119
Sb 206.834	1.3723b	ppb	4.3347	315.9	-1.8201
Se 196.026	5.7621b	ppb	0.8028	13.9	10.0095
Sn 189.925	-1.9944b	ppb	2.9570	148.3	-6.9136
Sr 216.596	1201.65b	ppb	5.8997	0.5	14657.2
Ti 334.941	2.5405b	ppb	0.0618	2.4	994.819
Tl 190.794	-4.7283b	ppb	2.4752	52.3	-15.3870
V 292.401	2.0524b	ppb	0.0369	1.8	29.6255
Zn 206.200	7.4670b	ppb	2.6008	34.8	8.0067

640-50339-h-4-a (Samp) **2/5/2015, 12:50:41 AM** **Rack 2, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	-0.2043u	0.0071u	-0.1336u
Al 308.215	1219.55	1216.26	1215.58
As 188.980	12.3902	17.4343	14.1181
B 249.678	379.357	379.527	377.543
Ba 389.178	733.098	732.513	732.961
Be 313.042	0.2175	0.2215	0.2259
Ca 370.602	145212	146011	148485
Cd 226.502	-0.0940	-0.1450	-0.2006
Co 228.615	3.1583	3.1374	2.9812
Cr 267.716	1.5424	1.6514	1.7103
Cu 324.754	0.9118	0.6865	0.9305
Fe 271.441	15961.3	15984.1	15981.7
K 766.491	21278.5	21242.8	21304.6
Mg 279.078	67685.0	67597.7	67616.4
Mn 257.610	808.488	808.026	807.739
Mo 202.032	0.2915	0.8023	0.6836
Na 330.237	425182x	424740x	426289x
Ni 231.604	9.2206	9.1953	9.9916
Pb 220.353	2.9569	3.5285	6.6447
Sb 206.834	2.8099	4.7155	3.1386
Se 196.026	4.0985	-5.2974u	10.5132
Sn 189.925	3.0401	0.7935	2.1647
Sr 216.596	893.146	892.733	892.797
Ti 334.941	10.3515	10.3444	10.3966
Tl 190.794	0.1791u	-1.6607u	-0.1549u
V 292.401	6.1617	6.2565	6.4723
Zn 206.200	21.5186	22.3345	20.4428

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1103b	ppb	0.1076	97.6	-53.6562
Al 308.215	1217.13b	ppb	2.1250	0.2	9788.75
As 188.980	14.6475b	ppb	2.5634	17.5	5.8516
B 249.678	378.809b	ppb	1.0998	0.3	7188.16
Ba 389.178	732.857b	ppb	0.3060	0.0	17810.6
Be 313.042	0.2216b	ppb	0.0042	1.9	101.549
Ca 370.602	146569b	ppb	1706	1.2	461377
Cd 226.502	-0.1465b	ppb	0.0533	36.4	94.7596
Co 228.615	3.0923b	ppb	0.0968	3.1	36.7917

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	1.6347b	ppb	0.0852	5.2	145.979
Cu 324.754	0.8429b	ppb	0.1358	16.1	260.303
Fe 271.441	15975.7b	ppb	12.5034	0.1	26977.5
K 766.491	21275.3b	ppb	31.0559	0.1	1026307
Mg 279.078	67633.1b	ppb	45.9796	0.1	196612
Mn 257.610	808.084b	ppb	0.3778	0.0	194818
Mo 202.032	0.5925b	ppb	0.2673	45.1	8.9617
Na 330.237	425404xb	ppb	798.136	0.2	23405.0
Ni 231.604	9.4692b	ppb	0.4526	4.8	27.1347
Pb 220.353	4.3767b	ppb	1.9848	45.3	20.9607
Sb 206.834	3.5546b	ppb	1.0186	28.7	1.4334
Se 196.026	3.1048b	ppb	7.9520	256.1	8.9064
Sn 189.925	1.9994b	ppb	1.1324	56.6	-4.4229
Sr 216.596	892.892b	ppb	0.2219	0.0	10925.6
Ti 334.941	10.3642b	ppb	0.0283	0.3	3458.92
Tl 190.794	-0.5455b	ppb	0.9801	179.7	-11.6342
V 292.401	6.2969b	ppb	0.1592	2.5	167.743
Zn 206.200	21.4319b	ppb	0.9488	4.4	22.5593

640-50339-h-5-a (Samp) **2/5/2015, 12:55:17 AM** **Rack 2, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	0.2582u	0.0038u	-0.0395u
Al 308.215	134.486	132.367	131.652
As 188.980	-3.1843u	-0.5001u	-0.8931u
B 249.678	2031.47	2033.22	2036.13
Ba 389.178	594.251	592.104	594.630
Be 313.042	0.0825u	0.0952u	0.0981u
Ca 370.602	199523	202389	200642
Cd 226.502	0.3030	0.2535	0.1701
Co 228.615	0.5744	-0.4065u	0.6080
Cr 267.716	-0.0700	-0.1765	-0.1384
Cu 324.754	0.8149	0.8367	0.9492
Fe 271.441	9663.32	9626.81	9648.32
K 766.491	116886x	117020x	116981x
Mg 279.078	269169	269642	270310
Mn 257.610	244.401	244.020	244.754
Mo 202.032	0.2083	0.0959	-0.7643u
Na 330.237	2172787x	2183368x	2188230x
Ni 231.604	2.7820	3.0823	2.5530
Pb 220.353	1.0394	-0.2790	2.8212
Sb 206.834	1.3112	3.6652	0.8663
Se 196.026	9.0282	4.6904	-1.6608u
Sn 189.925	2.0011	-5.0792u	2.7209
Sr 216.596	1829.55	1824.69	1829.86
Ti 334.941	1.0787	0.9660	1.0615
Tl 190.794	-3.7877u	-1.7922u	-3.9836u
V 292.401	1.5833	1.9249	1.9407
Zn 206.200	4.1115	8.7364	5.1957

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0742b	ppb	0.1609	216.8	-77.4408
Al 308.215	132.835b	ppb	1.4737	1.1	1358.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.5258b	ppb	1.4496	95.0	-5.3677
B 249.678	2033.61b	ppb	2.3522	0.1	38605.3
Ba 389.178	593.662b	ppb	1.3621	0.2	14904.2
Be 313.042	0.0920b	ppb	0.0083	9.0	-357.018
Ca 370.602	200851b	ppb	1444	0.7	632352
Cd 226.502	0.2422b	ppb	0.0672	27.7	72.6666
Co 228.615	0.2586b	ppb	0.5763	222.8	2.9617
Cr 267.716	-0.1283b	ppb	0.0540	42.1	75.3537
Cu 324.754	0.8669b	ppb	0.0721	8.3	259.315
Fe 271.441	9646.15b	ppb	18.3519	0.2	16291.2
K 766.491	116963xb	ppb	68.9608	0.1	5640735
Mg 279.078	269707b	ppb	573.603	0.2	784060
Mn 257.610	244.391b	ppb	0.3671	0.2	61112.9
Mo 202.032	-0.1533b	ppb	0.5320	347.0	4.1222
Na 330.237	2181462xb	ppb	7895.91	0.4	119928
Ni 231.604	2.8058b	ppb	0.2655	9.5	4.8860
Pb 220.353	1.1938b	ppb	1.5559	130.3	15.3283
Sb 206.834	1.9475b	ppb	1.5040	77.2	-0.9765
Se 196.026	4.0193b	ppb	5.3760	133.8	9.1541
Sn 189.925	-0.1191b	ppb	4.3107	3620.3	-5.4726
Sr 216.596	1828.03b	ppb	2.8964	0.2	22296.7
Ti 334.941	1.0354b	ppb	0.0607	5.9	647.498
Tl 190.794	-3.1878b	ppb	1.2126	38.0	-13.9185
V 292.401	1.8163b	ppb	0.2019	11.1	22.6935
Zn 206.200	6.0145b	ppb	2.4188	40.2	6.4201

Cont Calib Verif (CCV) **2/5/2015, 12:59:52 AM** **Rack 3, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	458.284	457.443	455.445
Al 308.215	4610.37	4612.08	4603.18
As 188.980	459.255	469.028	463.612
B 249.678	474.438	475.858	474.990
Ba 389.178	4541.56	4536.73	4527.65
Be 313.042	473.685	472.710	469.933
Ca 370.602	4578	4554	4551
Cd 226.502	459.765	459.402	460.439
Co 228.615	471.674	473.054	473.659
Cr 267.716	4715.70	4707.13	4707.93
Cu 324.754	4880.10	4900.64	4829.27
Fe 271.441	4530.46	4538.36	4529.07
K 766.491	9971.42	10023.8	9975.19
Mg 279.078	4724.21	4720.24	4736.25
Mn 257.610	4786.38	4785.14	4779.08
Mo 202.032	457.156	456.594	457.755
Na 330.237	7389.19	7419.58	7461.60
Ni 231.604	2377.21	2379.73	2383.58
Pb 220.353	467.537	467.829	464.619
Sb 206.834	913.892	917.529	916.742
Se 196.026	4678.25	4688.49	4706.74
Sn 189.925	4608.19	4660.72	4622.22
Sr 216.596	2284.93	2290.54	2293.52
Ti 334.941	443.462	444.483	443.388

Label	Replicates Concentration		
Tl 190.794	4700.57	4692.17	4698.73
V 292.401	4695.43	4698.86	4690.18
Zn 206.200	2315.90	2303.39	2305.35

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	457.057	ppb	1.4586	0.3	42568.6	91.41144
Al 308.215	4608.54	ppb	4.7204	0.1	36880.3	92.17085
As 188.980	463.965	ppb	4.8961	1.1	318.693	92.79307
B 249.678	475.095	ppb	0.7158	0.2	9060.82	95.01903
Ba 389.178	4535.31	ppb	7.0640	0.2	109454	90.70629
Be 313.042	472.109	ppb	1.9471	0.4	933707	94.42190
Ca 370.602	4561	ppb	15.12	0.3	14721	91.22121
Cd 226.502	459.869	ppb	0.5264	0.1	21165.3	91.97375
Co 228.615	472.796	ppb	1.0176	0.2	5558.06	94.55913
Cr 267.716	4710.25	ppb	4.7347	0.1	271001	94.20510
Cu 324.754	4870.01	ppb	36.7391	0.8	373091	97.40012
Fe 271.441	4532.63	ppb	5.0107	0.1	7758.96	90.65254
K 766.491	9990.13	ppb	29.2071	0.3	482092	99.90134
Mg 279.078	4726.90	ppb	8.3359	0.2	13653.2	94.53806
Mn 257.610	4783.53	ppb	3.9048	0.1	1149240	95.67069
Mo 202.032	457.168	ppb	0.5806	0.1	3154.90	91.43368
Na 330.237	7423.46	ppb	36.3586	0.5	378.827	98.97947
Ni 231.604	2380.17	ppb	3.2053	0.1	7740.70	95.20693
Pb 220.353	466.662	ppb	1.7749	0.4	765.646	93.33234
Sb 206.834	916.054	ppb	1.9137	0.2	1356.35	91.60543
Se 196.026	4691.16	ppb	14.4299	0.3	2268.56	93.82321
Sn 189.925	4630.38	ppb	27.1986	0.6	3515.01	92.60756
Sr 216.596	2289.66	ppb	4.3593	0.2	27749.1	91.58656
Ti 334.941	443.778	ppb	0.6121	0.1	145510	88.75552Q
Tl 190.794	4697.16	ppb	4.4148	0.1	5348.12	93.94321
V 292.401	4694.82	ppb	4.3724	0.1	141637	93.89642
Zn 206.200	2308.21	ppb	6.7254	0.3	2440.22	92.32858

Cont Calib Blank (CCB) **2/5/2015, 1:04:28 AM** **Rack 3, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2142u	0.2891	0.0273
Al 308.215	1.4605	1.5804	0.3691
As 188.980	-0.0481u	2.7499	0.1869
B 249.678	5.3101	4.5829	4.5190
Ba 389.178	-0.2437u	0.3301	0.1563
Be 313.042	0.0182	0.0155	0.0182
Ca 370.602	4.354	2.441	2.111
Cd 226.502	-0.0824u	0.0900	-0.0197u
Co 228.615	-0.2141u	-0.3220u	0.1541
Cr 267.716	0.0520	-0.1194u	-0.0632u
Cu 324.754	0.0393	0.0340	0.2549
Fe 271.441	1.9217	-1.5631u	-4.2233u
K 766.491	0.9709	1.0464	0.9589
Mg 279.078	0.3384	4.1161	4.1370
Mn 257.610	0.1805	0.1674	0.2087
Mo 202.032	-0.2546u	-0.1734u	0.5433
Na 330.237	77.1851	58.3961	136.652

Label	Replicates Concentration		
Ni 231.604	-0.2532u	0.8285	-0.3700u
Pb 220.353	-0.2623u	2.1286	-0.2111u
Sb 206.834	3.4039	1.0354	2.5590
Se 196.026	3.8190	7.9646	4.2484
Sn 189.925	1.9127	1.9704	1.3442
Sr 216.596	0.2845	-0.0481u	0.0612
Ti 334.941	0.0892	0.0975	0.1015
Tl 190.794	1.1476	1.4583	1.5092
V 292.401	0.2763	0.2688	0.3922
Zn 206.200	-0.8641u	-0.3686u	1.3155

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0341	ppb	0.2517	738.9	-6.6316	0.03406
Al 308.215	1.1366	ppb	0.6674	58.7	333.239	1.13665
As 188.980	0.9629	ppb	1.5520	161.2	-3.5683	0.96286
B 249.678	4.8040	ppb	0.4394	9.1	133.526	4.80401
Ba 389.178	0.0809	ppb	0.2942	363.8	-43.6045	0.08088
Be 313.042	0.0173	ppb	0.0016	9.0	-303.555	0.01730
Ca 370.602	2.968	ppb	1.211	40.8	24.90	2.96845
Cd 226.502	-0.0040	ppb	0.0873	2168.7	24.1373	-0.00402
Co 228.615	-0.1274	ppb	0.2496	196.0	-2.3853	-0.12736
Cr 267.716	-0.0435	ppb	0.0874	200.7	28.1712	-0.04354
Cu 324.754	0.1094	ppb	0.1261	115.2	196.953	0.10940
Fe 271.441	-1.2883	ppb	3.0817	239.2	3.7644	-1.28827
K 766.491	0.9921	ppb	0.0474	4.8	376.410	0.99206
Mg 279.078	2.8638	ppb	2.1871	76.4	26.8607	2.86384
Mn 257.610	0.1855	ppb	0.0211	11.4	108.774	0.18555
Mo 202.032	0.0384	ppb	0.4391	1142.4	5.9079	0.03844
Na 330.237	90.7444	ppb	40.8522	45.0	32.7055	90.74445
Ni 231.604	0.0685	ppb	0.6608	965.1	-4.8912	0.06847
Pb 220.353	0.5518	ppb	1.3659	247.5	13.5889	0.55176
Sb 206.834	2.3328	ppb	1.2004	51.5	-0.6205	2.33278
Se 196.026	5.3440	ppb	2.2796	42.7	9.6399	5.34398
Sn 189.925	1.7425	ppb	0.3461	19.9	-4.7549	1.74248
Sr 216.596	0.0992	ppb	0.1695	170.9	3.4731	0.09920
Ti 334.941	0.0961	ppb	0.0063	6.6	-8.1767	0.09609
Tl 190.794	1.3717	ppb	0.1957	14.3	-7.2908	1.37169
V 292.401	0.3124	ppb	0.0692	22.1	-3.7031	0.31244
Zn 206.200	0.0276	ppb	1.1425	4141.3	0.4029	0.02759

640-50339-h-5-aSD^5 (Samp) **2/5/2015, 1:09:04 AM** **Rack 3, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0835u	0.1264u	-0.0757u
Al 308.215	27.5267	24.7123	28.5190
As 188.980	-3.1157u	-0.2836u	-1.1336u
B 249.678	381.351	383.178	381.358
Ba 389.178	116.367	116.741	116.015
Be 313.042	0.0151u	0.0114u	0.0155
Ca 370.602	39138	39266	39117
Cd 226.502	-0.0539	0.2065	-0.0782
Co 228.615	-0.0030	-0.3366u	0.1450
Cr 267.716	0.1855	0.1709	0.1598

Label	Replicates Concentration		
Cu 324.754	0.3732	0.1708	0.4234
Fe 271.441	1950.81	1952.92	1955.56
K 766.491	16926.4	16917.4	16943.6
Mg 279.078	52959.6	52988.6	52873.5
Mn 257.610	48.3810	48.4360	48.4130
Mo 202.032	0.1904	-0.4203u	-0.0923u
Na 330.237	351961x	353529x	353930x
Ni 231.604	2.6961	1.3007	2.9203
Pb 220.353	-1.0124u	2.4013	1.3029
Sb 206.834	2.7483	2.6050	3.2328
Se 196.026	-2.2928u	4.7026	1.9015
Sn 189.925	0.9013	-2.0533u	1.2775
Sr 216.596	365.045	364.470	366.300
Ti 334.941	0.1936	0.2089	0.2494
Tl 190.794	1.7837	-2.8539u	1.6559
V 292.401	0.3012	0.5859	0.5775
Zn 206.200	2.0314	0.6814	-0.1380u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0447b	ppb	0.1065	238.1	-20.5243
Al 308.215	26.9194b	ppb	1.9747	7.3	533.922
As 188.980	-1.5110b	ppb	1.4533	96.2	-5.3044
B 249.678	381.962b	ppb	1.0529	0.3	7285.03
Ba 389.178	116.374b	ppb	0.3635	0.3	2885.23
Be 313.042	0.0140b	ppb	0.0022	16.0	-340.301
Ca 370.602	39174b	ppb	80.47	0.2	123345
Cd 226.502	0.0248b	ppb	0.1578	636.7	33.5620
Co 228.615	-0.0649b	ppb	0.2466	380.2	-1.4869
Cr 267.716	0.1721b	ppb	0.0129	7.5	49.2494
Cu 324.754	0.3224b	ppb	0.1337	41.5	214.143
Fe 271.441	1953.10b	ppb	2.3828	0.1	3303.29
K 766.491	16929.1b	ppb	13.2762	0.1	816718
Mg 279.078	52940.6b	ppb	59.8467	0.1	153918
Mn 257.610	48.4100b	ppb	0.0276	0.1	12153.4
Mo 202.032	-0.1074b	ppb	0.3056	284.5	4.8078
Na 330.237	353140xb	ppb	1040.57	0.3	19437.4
Ni 231.604	2.3057b	ppb	0.8775	38.1	2.5656
Pb 220.353	0.8973b	ppb	1.7426	194.2	14.2869
Sb 206.834	2.8620b	ppb	0.3290	11.5	0.1775
Se 196.026	1.4371b	ppb	3.5208	245.0	7.7880
Sn 189.925	0.0418b	ppb	1.8242	4360.8	-5.9351
Sr 216.596	365.272b	ppb	0.9359	0.3	4456.75
Ti 334.941	0.2173b	ppb	0.0289	13.3	106.577
Tl 190.794	0.1952b	ppb	2.6414	1353.2	-8.9209
V 292.401	0.4882b	ppb	0.1620	33.2	-1.4887
Zn 206.200	0.8583b	ppb	1.0954	127.6	1.2160

640-50339-h-5-aPDS (Samp) **2/5/2015, 1:13:39 AM** **Rack 3, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	70.1767	70.3399	69.9442
Al 308.215	978.165	976.133	980.156
As 188.980	74.6886	81.1635	82.3928

Label	Replicates Concentration		
B 249.678	2150.98	2160.99	2167.63
Ba 389.178	644.939	646.544	644.298
Be 313.042	69.6416	69.5236	69.4644
Ca 370.602	206129	203744	203146
Cd 226.502	65.6589	65.2072	65.0685
Co 228.615	65.6213	64.1016	65.2959
Cr 267.716	67.9499	68.1412	67.8992
Cu 324.754	79.7398	79.6102	79.9275
Fe 271.441	16011.7	15985.3	16032.8
K 766.491	126489x	126345x	123690x
Mg 279.078	274139	274015	274916
Mn 257.610	945.715	945.110	946.923
Mo 202.032	66.3408	66.7825	65.7926
Na 330.237	2168597x	2173818x	2181496x
Ni 231.604	65.6693	68.8378	66.5790
Pb 220.353	71.1030	68.3893	69.8343
Sb 206.834	78.2300	80.5100	77.5926
Se 196.026	76.7577	90.8808	85.3670
Sn 189.925	67.0413	67.4486	69.1078
Sr 216.596	1870.90	1871.96	1873.70
Ti 334.941	67.0841	67.2373	67.2853
Tl 190.794	10.5603	7.1726	12.4695
V 292.401	72.9653	72.3682	73.1683
Zn 206.200	71.1287	72.2018	73.0396

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	70.1536b	ppb	0.1989	0.3	6459.20
Al 308.215	978.151b	ppb	2.0114	0.2	7942.50
As 188.980	79.4150b	ppb	4.1390	5.2	50.9347
B 249.678	2159.87b	ppb	8.3846	0.4	40985.4
Ba 389.178	645.260b	ppb	1.1566	0.2	16166.2
Be 313.042	69.5432b	ppb	0.0902	0.1	137015
Ca 370.602	204340b	ppb	1578	0.8	643316
Cd 226.502	65.3115b	ppb	0.3087	0.5	3092.59
Co 228.615	65.0063b	ppb	0.8002	1.2	763.690
Cr 267.716	67.9968b	ppb	0.1277	0.2	4000.09
Cu 324.754	79.7592b	ppb	0.1595	0.2	6305.66
Fe 271.441	16009.9b	ppb	23.8150	0.1	27043.5
K 766.491	125508xb	ppb	1576.03	1.3	6052828
Mg 279.078	274357b	ppb	488.169	0.2	797562
Mn 257.610	945.916b	ppb	0.9229	0.1	229698
Mo 202.032	66.3053b	ppb	0.4959	0.7	462.331
Na 330.237	2174637xb	ppb	6488.50	0.3	119550
Ni 231.604	67.0287b	ppb	1.6314	2.4	214.317
Pb 220.353	69.7755b	ppb	1.3578	1.9	125.848
Sb 206.834	78.7775b	ppb	1.5338	1.9	108.447
Se 196.026	84.3352b	ppb	7.1179	8.4	48.0805
Sn 189.925	67.8659b	ppb	1.0946	1.6	46.2213
Sr 216.596	1872.19b	ppb	1.4163	0.1	22840.5
Ti 334.941	67.2023b	ppb	0.1051	0.2	22358.8
Tl 190.794	10.0675b	ppb	2.6826	26.6	0.5640
V 292.401	72.8339b	ppb	0.4159	0.6	2150.01
Zn 206.200	72.1234b	ppb	0.9579	1.3	76.2145

640-50339-h-5-b ms (Samp) **2/5/2015, 1:18:14 AM** **Rack 3, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	57.4377	57.5633	57.2999
Al 308.215	6139.74	6156.94	6129.75
As 188.980	112.630	114.386	118.424
B 249.678	2213.53	2220.20	2215.38
Ba 389.178	681.684	680.711	680.173
Be 313.042	51.3494	51.2447	51.2570
Ca 370.602	202834	201949	202997
Cd 226.502	47.6132	47.5655	47.2127
Co 228.615	47.8690	48.0079	47.3116
Cr 267.716	98.0801	97.9696	98.0305
Cu 324.754	113.813	115.139	114.012
Fe 271.441	14116.8	14083.4	14088.4
K 766.491	122938x	123598x	123055x
Mg 279.078	270487	269773	269428
Mn 257.610	740.755	739.345	738.706
Mo 202.032	94.8239	95.1794	94.9772
Na 330.237	2165855x	2179075x	2162788x
Ni 231.604	97.8736	96.1902	96.6276
Pb 220.353	470.352	468.681	468.960
Sb 206.834	57.0870	56.4267	54.6212
Se 196.026	120.413	120.227	119.224
Sn 189.925	185.616	184.163	188.442
Sr 216.596	1891.34	1882.57	1881.06
Ti 334.941	96.0042	95.9320	95.8261
Tl 190.794	36.0392	28.1370	30.7066
V 292.401	102.068	101.827	102.380
Zn 206.200	101.057	99.1128	100.364

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	57.4336b	ppb	0.1317	0.2	5272.05
Al 308.215	6142.14b	ppb	13.7534	0.2	48090.3
As 188.980	115.147b	ppb	2.9712	2.6	75.8226
B 249.678	2216.37b	ppb	3.4444	0.2	42062.4
Ba 389.178	680.856b	ppb	0.7660	0.1	17014.1
Be 313.042	51.2837b	ppb	0.0572	0.1	100895
Ca 370.602	202593b	ppb	564.0	0.3	637847
Cd 226.502	47.4638b	ppb	0.2188	0.5	2263.28
Co 228.615	47.7295b	ppb	0.3685	0.8	560.394
Cr 267.716	98.0268b	ppb	0.0553	0.1	5725.70
Cu 324.754	114.321b	ppb	0.7149	0.6	8952.40
Fe 271.441	14096.2b	ppb	18.0390	0.1	23810.8
K 766.491	123197xb	ppb	352.315	0.3	5941377
Mg 279.078	269896b	ppb	539.766	0.2	784597
Mn 257.610	739.602b	ppb	1.0487	0.1	180092
Mo 202.032	94.9935b	ppb	0.1783	0.2	660.353
Na 330.237	2169239xb	ppb	8654.55	0.4	119253
Ni 231.604	96.8971b	ppb	0.8735	0.9	311.401
Pb 220.353	469.331b	ppb	0.8953	0.2	766.741
Sb 206.834	56.0450b	ppb	1.2765	2.3	75.8909
Se 196.026	119.954b	ppb	0.6396	0.5	65.1747
Sn 189.925	186.074b	ppb	2.1760	1.2	136.109
Sr 216.596	1884.99b	ppb	5.5507	0.3	22991.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	95.9208b	ppb	0.0896	0.1	31768.9
Tl 190.794	31.6276b	ppb	4.0308	12.7	25.2122
V 292.401	102.092b	ppb	0.2768	0.3	3027.82
Zn 206.200	100.178b	ppb	0.9852	1.0	105.992

640-50339-h-5-c msd (Samp) **2/5/2015, 1:22:50 AM** **Rack 3, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	58.3913	58.7651	58.6674
Al 308.215	6559.50	6572.01	6565.71
As 188.980	117.944	114.003	117.726
B 249.678	2228.09	2232.08	2236.33
Ba 389.178	678.055	679.745	679.098
Be 313.042	52.1215	52.0586	52.1482
Ca 370.602	202964	204948	203250
Cd 226.502	48.1746	48.1499	48.4108
Co 228.615	48.5836	48.9555	49.1015
Cr 267.716	99.4793	100.013	100.272
Cu 324.754	117.366	117.057	116.473
Fe 271.441	15113.9	15126.4	15138.4
K 766.491	123475x	123588x	123853x
Mg 279.078	272053	272583	272875
Mn 257.610	791.710	792.419	792.539
Mo 202.032	97.2026	96.7574	95.5966
Na 330.237	2149596x	2156828x	2159491x
Ni 231.604	99.4589	99.1393	99.2701
Pb 220.353	480.094	476.289	476.693
Sb 206.834	57.5217	54.9297	55.9487
Se 196.026	123.971	116.642	126.622
Sn 189.925	191.444	197.559	188.052
Sr 216.596	1886.79	1885.81	1885.27
Ti 334.941	99.2216	99.8181	99.3975
Tl 190.794	34.7752	31.8223	28.8633
V 292.401	104.560	104.342	104.598
Zn 206.200	102.768	107.162	106.132

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	58.6079b	ppb	0.1939	0.3	5381.70
Al 308.215	6565.74b	ppb	6.2569	0.1	51383.7
As 188.980	116.558b	ppb	2.2147	1.9	76.7977
B 249.678	2232.17b	ppb	4.1198	0.2	42359.4
Ba 389.178	678.966b	ppb	0.8527	0.1	16975.7
Be 313.042	52.1094b	ppb	0.0460	0.1	102529
Ca 370.602	203721b	ppb	1072	0.5	641390
Cd 226.502	48.2451b	ppb	0.1440	0.3	2304.37
Co 228.615	48.8802b	ppb	0.2670	0.5	574.020
Cr 267.716	99.9217b	ppb	0.4044	0.4	5835.24
Cu 324.754	116.965b	ppb	0.4536	0.4	9155.36
Fe 271.441	15126.2b	ppb	12.2935	0.1	25549.9
K 766.491	123639xb	ppb	193.943	0.2	5962674
Mg 279.078	272504b	ppb	416.761	0.2	792177
Mn 257.610	792.223b	ppb	0.4479	0.1	192761
Mo 202.032	96.5189b	ppb	0.8291	0.9	670.826

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	2155305xb	ppb	5120.19	0.2	118487
Ni 231.604	99.2894b	ppb	0.1607	0.2	319.277
Pb 220.353	477.692b	ppb	2.0900	0.4	780.230
Sb 206.834	56.1334b	ppb	1.3058	2.3	76.0366
Se 196.026	122.411b	ppb	5.1695	4.2	66.3810
Sn 189.925	192.352b	ppb	4.8177	2.5	140.879
Sr 216.596	1885.96b	ppb	0.7714	0.0	23004.8
Ti 334.941	99.4791b	ppb	0.3065	0.3	32942.7
Tl 190.794	31.8203b	ppb	2.9559	9.3	25.2939
V 292.401	104.500b	ppb	0.1383	0.1	3099.98
Zn 206.200	105.354b	ppb	2.2982	2.2	111.446

640-50339-h-6-a (Samp) **2/5/2015, 1:27:25 AM** **Rack 3, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-0.0813u	-0.0758u	-0.0379u
Al 308.215	46.7591	46.3967	47.0349
As 188.980	15.0377	10.5203	12.3433
B 249.678	205.920	204.945	205.440
Ba 389.178	368.608	367.209	366.796
Be 313.042	0.0002	-0.0009	-0.0035
Ca 370.602	86458	86456	86673
Cd 226.502	-0.2081	-0.2382	-0.2966
Co 228.615	-0.9330u	-0.1139u	-1.1740u
Cr 267.716	0.6774	0.7300	0.6037
Cu 324.754	0.1491	0.3760	0.2194
Fe 271.441	3816.62	3819.82	3821.44
K 766.491	7036.48	7032.26	7036.29
Mg 279.078	25085.8	25112.4	25121.2
Mn 257.610	969.753	970.016	970.151
Mo 202.032	3.8819	3.5465	3.4018
Na 330.237	143628x	143783x	143443x
Ni 231.604	4.7319	1.1860	2.0775
Pb 220.353	-2.4318u	-1.2324u	-1.6074u
Sb 206.834	-1.9515u	-0.2245u	-0.6180u
Se 196.026	1.4496	4.8926	4.3735
Sn 189.925	1.7816	-1.4931u	-2.8158u
Sr 216.596	401.451	401.316	400.387
Ti 334.941	1.3534	1.3874	1.4276
Tl 190.794	2.2313	0.7009	0.4381
V 292.401	0.3848	0.4919	0.3259
Zn 206.200	-0.1199u	3.9301	4.5621

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0650b	ppb	0.0236	36.4	-26.8626
Al 308.215	46.7302b	ppb	0.3201	0.7	688.253
As 188.980	12.6337b	ppb	2.2727	18.0	4.5319
B 249.678	205.435b	ppb	0.4878	0.2	3930.42
Ba 389.178	367.537b	ppb	0.9496	0.3	8886.25
Be 313.042	-0.0014b	ppb	0.0019	134.4	-326.584
Ca 370.602	86529b	ppb	124.8	0.1	272463
Cd 226.502	-0.2477b	ppb	0.0450	18.2	31.2610
Co 228.615	-0.7403b	ppb	0.5557	75.1	-9.3764

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.6704b	ppb	0.0634	9.5	79.1961
Cu 324.754	0.2481b	ppb	0.1161	46.8	209.455
Fe 271.441	3819.30b	ppb	2.4520	0.1	6453.84
K 766.491	7035.01b	ppb	2.3811	0.0	339585
Mg 279.078	25106.5b	ppb	18.4340	0.1	72982.7
Mn 257.610	969.973b	ppb	0.2022	0.0	233304
Mo 202.032	3.6101b	ppb	0.2463	6.8	30.3713
Na 330.237	143618xb	ppb	170.334	0.1	7920.53
Ni 231.604	2.6651b	ppb	1.8445	69.2	3.9052
Pb 220.353	-1.7572b	ppb	0.6135	34.9	10.3386
Sb 206.834	-0.9313b	ppb	0.9051	97.2	-5.2541
Se 196.026	3.5719b	ppb	1.8562	52.0	9.0539
Sn 189.925	-0.8424b	ppb	2.3668	280.9	-6.6746
Sr 216.596	401.051b	ppb	0.5792	0.1	4912.57
Ti 334.941	1.3895b	ppb	0.0371	2.7	454.174
Tl 190.794	1.1234b	ppb	0.9684	86.2	-7.7001
V 292.401	0.4008b	ppb	0.0842	21.0	-4.3289
Zn 206.200	2.7908b	ppb	2.5404	91.0	3.2012

640-50339-h-7-a (Samp) **2/5/2015, 1:32:01 AM** **Rack 3, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	0.0193u	-0.0225u	-0.0384u
Al 308.215	67.9499	68.6248	66.3988
As 188.980	-2.7859u	0.4933	-1.9650u
B 249.678	2050.31	2051.74	2051.39
Ba 389.178	389.232	390.879	390.988
Be 313.042	0.0841u	0.0799u	0.0789u
Ca 370.602	108798	108331	108309
Cd 226.502	0.1261	-0.0279	0.0164
Co 228.615	0.0280	-0.0129	0.0242
Cr 267.716	-0.7324	-0.7147	-0.7971u
Cu 324.754	0.7394	0.3858	0.7351
Fe 271.441	6435.73	6409.04	6429.14
K 766.491	96987.8x	97095.3x	96913.0x
Mg 279.078	183210	183206	183131
Mn 257.610	258.467	258.057	258.001
Mo 202.032	-0.1548u	0.1419	0.2722
Na 330.237	1837536x	1837983x	1827525x
Ni 231.604	1.7897	3.2035	2.0562
Pb 220.353	0.2221	-1.8468u	0.1616
Sb 206.834	1.3908	-0.7258u	2.2462
Se 196.026	12.1238	4.6030	4.3828
Sn 189.925	1.7468	1.0455	-0.2470
Sr 216.596	1109.01	1110.18	1112.28
Ti 334.941	0.8897	0.7406	0.7729
Tl 190.794	-3.1311u	-1.2494u	-4.9881u
V 292.401	1.5038	1.2882	1.1716
Zn 206.200	2.8870	2.9451	3.1622

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0139b	ppb	0.0298	214.8	-56.1363
Al 308.215	67.6578b	ppb	1.1414	1.7	851.230

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.4192b	ppb	1.7064	120.2	-5.2714
B 249.678	2051.15b	ppb	0.7455	0.0	38946.5
Ba 389.178	390.366b	ppb	0.9838	0.3	9798.55
Be 313.042	0.0809b	ppb	0.0028	3.4	-368.192
Ca 370.602	108479b	ppb	275.8	0.3	341529
Cd 226.502	0.0382b	ppb	0.0793	207.5	48.3445
Co 228.615	0.0131b	ppb	0.0226	172.7	-0.1863
Cr 267.716	-0.7481b	ppb	0.0433	5.8	30.8240
Cu 324.754	0.6201b	ppb	0.2029	32.7	238.968
Fe 271.441	6424.64b	ppb	13.9034	0.2	10852.4
K 766.491	96998.7xb	ppb	91.6690	0.1	4677989
Mg 279.078	183182b	ppb	44.7906	0.0	532531
Mn 257.610	258.175b	ppb	0.2548	0.1	63672.4
Mo 202.032	0.0864b	ppb	0.2189	253.2	5.9313
Na 330.237	1834348xb	ppb	5913.47	0.3	100850
Ni 231.604	2.3498b	ppb	0.7512	32.0	3.1122
Pb 220.353	-0.4877b	ppb	1.1774	241.4	12.4126
Sb 206.834	0.9704b	ppb	1.5299	157.7	-2.4414
Se 196.026	7.0366b	ppb	4.4071	62.6	10.5796
Sn 189.925	0.8484b	ppb	1.0114	119.2	-4.8478
Sr 216.596	1110.49b	ppb	1.6553	0.1	13541.2
Ti 334.941	0.8011b	ppb	0.0785	9.8	427.809
Tl 190.794	-3.1229b	ppb	1.8694	59.9	-13.3155
V 292.401	1.3212b	ppb	0.1685	12.8	10.8740
Zn 206.200	2.9981b	ppb	0.1451	4.8	3.3324

640-50339-h-10-a (Samp) **2/5/2015, 1:36:36 AM** **Rack 3, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0312	0.0420	0.1541
Al 308.215	2.6741	2.3940	4.1366
As 188.980	-2.7022u	-4.8729u	-3.0892u
B 249.678	10.1488	9.1976	8.1704
Ba 389.178	0.7056	-0.1239u	0.4937
Be 313.042	0.0112	0.0079	0.0007
Ca 370.602	18.94	21.83	19.78
Cd 226.502	0.1207	0.0386	-0.0465u
Co 228.615	0.0967	0.0351	0.2285
Cr 267.716	-0.0310u	-0.0273u	0.0637
Cu 324.754	0.2906	0.2730	0.0654
Fe 271.441	8.4060	3.7259	6.7315
K 766.491	12.6226	12.7361	11.9643
Mg 279.078	12.4049	11.8467	12.2801
Mn 257.610	0.1558	0.1861	0.1744
Mo 202.032	0.4752	-0.0029u	0.2973
Na 330.237	194.579	98.2470	251.058
Ni 231.604	-0.3119u	0.9670	0.2176
Pb 220.353	-0.2967u	-0.9867u	-0.6765u
Sb 206.834	-0.4938u	0.4160	0.7656
Se 196.026	4.0518	-1.2154u	-2.1599u
Sn 189.925	2.3259	-0.1850u	1.8498
Sr 216.596	0.1201	0.2620	0.1262
Ti 334.941	0.0771	0.0193	0.1063

Label	Replicates Concentration		
Tl 190.794	1.1200	0.8087	2.0408
V 292.401	0.2224	0.0865	0.1599
Zn 206.200	1.6709	0.3703	2.3160

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0758	ppb	0.0681	89.8	-2.7416
Al 308.215	3.0682	ppb	0.9358	30.5	348.237
As 188.980	-3.5547	ppb	1.1578	32.6	-6.7144
B 249.678	9.1723	ppb	0.9894	10.8	216.357
Ba 389.178	0.3585	ppb	0.4310	120.2	-36.8779
Be 313.042	0.0066	ppb	0.0053	81.0	-324.763
Ca 370.602	20.18	ppb	1.489	7.4	79.04
Cd 226.502	0.0376	ppb	0.0836	222.5	26.0735
Co 228.615	0.1201	ppb	0.0988	82.3	0.5191
Cr 267.716	0.0018	ppb	0.0536	2967.5	30.7868
Cu 324.754	0.2097	ppb	0.1252	59.7	204.641
Fe 271.441	6.2878	ppb	2.3714	37.7	16.5904
K 766.491	12.4410	ppb	0.4167	3.3	928.523
Mg 279.078	12.1772	ppb	0.2930	2.4	53.9341
Mn 257.610	0.1721	ppb	0.0153	8.9	105.637
Mo 202.032	0.2565	ppb	0.2417	94.2	7.4127
Na 330.237	181.295	ppb	77.2666	42.6	37.6471
Ni 231.604	0.2909	ppb	0.6426	220.9	-4.1674
Pb 220.353	-0.6533	ppb	0.3456	52.9	11.6552
Sb 206.834	0.2293	ppb	0.6501	283.6	-3.6205
Se 196.026	0.2255	ppb	3.3471	1484.4	7.1737
Sn 189.925	1.3302	ppb	1.3337	100.3	-5.0683
Sr 216.596	0.1694	ppb	0.0803	47.4	4.3280
Ti 334.941	0.0676	ppb	0.0443	65.5	-17.5266
Tl 190.794	1.3232	ppb	0.6407	48.4	-7.3467
V 292.401	0.1563	ppb	0.0680	43.5	-8.4598
Zn 206.200	1.4524	ppb	0.9911	68.2	1.9146

640-50339-h-12-a (Samp) **2/5/2015, 1:41:12 AM** **Rack 3, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	-0.2654u	-0.2838u	-0.0553u
Al 308.215	16.7190	17.0778	18.2116
As 188.980	-4.9043u	-3.6409u	-6.3578u
B 249.678	3218.72	3223.91	3230.73
Ba 389.178	570.636	569.083	568.651
Be 313.042	0.1697u	0.1751u	0.1741u
Ca 370.602	120082	120847	120799
Cd 226.502	0.7357	0.6476	0.6840
Co 228.615	0.1998	-0.6636u	-0.8600u
Cr 267.716	-1.4599u	-1.3399	-1.3328
Cu 324.754	1.1937	0.9917	1.0607
Fe 271.441	7043.47	7069.03	7056.58
K 766.491	156217x	157652x	156597x
Mg 279.078	305749	307961	306634
Mn 257.610	225.017	225.649	225.475
Mo 202.032	0.1016	-0.1372u	-0.3801u
Na 330.237	3566650x	3594128x	3576162x

Label	Replicates Concentration		
Ni 231.604	1.9543	2.4741	1.8489
Pb 220.353	2.3861	2.1197	5.1155
Sb 206.834	1.7850	0.8838	-2.3346u
Se 196.026	10.8193	5.5688	17.2869
Sn 189.925	2.5824	-1.9136u	-7.2928u
Sr 216.596	1882.12	1884.94	1879.74
Ti 334.941	-0.3961	-0.4213	-0.4349
Tl 190.794	-4.5691u	-1.7757u	-4.3670u
V 292.401	1.6892	2.0648	2.0869
Zn 206.200	3.9075	2.1341	3.2734

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2015b	ppb	0.1269	63.0	-105.140
Al 308.215	17.3361b	ppb	0.7791	4.5	460.169
As 188.980	-4.9677b	ppb	1.3596	27.4	-7.7469
B 249.678	3224.45b	ppb	6.0247	0.2	61208.7
Ba 389.178	569.457b	ppb	1.0444	0.2	14402.8
Be 313.042	0.1730b	ppb	0.0029	1.7	-397.021
Ca 370.602	120576b	ppb	428.8	0.4	379610
Cd 226.502	0.6891b	ppb	0.0443	6.4	71.6221
Co 228.615	-0.4413b	ppb	0.5638	127.8	-5.4480
Cr 267.716	-1.3776b	ppb	0.0714	5.2	31.2302
Cu 324.754	1.0820b	ppb	0.1027	9.5	274.621
Fe 271.441	7056.36b	ppb	12.7834	0.2	11918.9
K 766.491	156822xb	ppb	743.793	0.5	7562910
Mg 279.078	306781b	ppb	1113.46	0.4	891838
Mn 257.610	225.381b	ppb	0.3264	0.1	56850.6
Mo 202.032	-0.1385b	ppb	0.2408	173.8	4.3477
Na 330.237	3578980xb	ppb	13954.1	0.4	196743
Ni 231.604	2.0924b	ppb	0.3347	16.0	2.3338
Pb 220.353	3.2071b	ppb	1.6581	51.7	18.3817
Sb 206.834	0.1114b	ppb	2.1657	1944.1	-3.6502
Se 196.026	11.2250b	ppb	5.8696	52.3	12.5971
Sn 189.925	-2.2080b	ppb	4.9441	223.9	-6.6170
Sr 216.596	1882.27b	ppb	2.6006	0.1	22920.8
Ti 334.941	-0.4174b	ppb	0.0197	4.7	121.319
Tl 190.794	-3.5706b	ppb	1.5577	43.6	-13.9452
V 292.401	1.9470b	ppb	0.2235	11.5	16.3369
Zn 206.200	3.1050b	ppb	0.8986	28.9	3.4234

680-109509-a-1-a (Samp) **2/5/2015, 1:45:47 AM** **Rack 3, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0510u	0.1293u	0.0647u
Al 308.215	220.244	219.140	221.812
As 188.980	8.5669	6.3116	11.4328
B 249.678	570.922	567.054	570.398
Ba 389.178	44.9867	45.3422	45.2892
Be 313.042	-0.0659u	-0.0594u	-0.0592u
Ca 370.602	295517	296423	295744
Cd 226.502	1.0454	0.9586	1.0852
Co 228.615	1.7503	1.6236	1.4929
Cr 267.716	0.9311	0.8644	0.6682

Label	Replicates Concentration		
Cu 324.754	6.1655	5.4889	5.9303
Fe 271.441	209.777	213.232	216.650
K 766.491	153168x	153195x	153677x
Mg 279.078	52368.4	52376.5	52411.8
Mn 257.610	409.487	408.758	409.722
Mo 202.032	6.3032	5.5539	5.8527
Na 330.237	35592.6	36003.3	35447.1
Ni 231.604	21.5764	21.6809	21.8344
Pb 220.353	-1.9214u	-1.8245u	-2.2524u
Sb 206.834	6.4580	4.1445	7.5267
Se 196.026	-10.6523u	-2.2778u	1.5464
Sn 189.925	-0.9023u	4.3886	-0.4823u
Sr 216.596	548.553	546.998	549.774
Ti 334.941	3.9871	3.5190	4.1020
Tl 190.794	0.7400	2.5062	-1.4661u
V 292.401	4.0710	4.2702	4.0640
Zn 206.200	62.6539	61.7199	62.0996

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0477b	ppb	0.0914	191.7	-25.5332
Al 308.215	220.399b	ppb	1.3430	0.6	2038.49
As 188.980	8.7704b	ppb	2.5667	29.3	1.8656
B 249.678	569.458b	ppb	2.0985	0.4	10847.9
Ba 389.178	45.2060b	ppb	0.1918	0.4	1164.90
Be 313.042	-0.0615b	ppb	0.0038	6.3	-359.576
Ca 370.602	295895b	ppb	471.3	0.2	931739
Cd 226.502	1.0297b	ppb	0.0647	6.3	73.2368
Co 228.615	1.6223b	ppb	0.1287	7.9	18.2235
Cr 267.716	0.8212b	ppb	0.1366	16.6	80.8354
Cu 324.754	5.8616b	ppb	0.3435	5.9	637.742
Fe 271.441	213.220b	ppb	3.4362	1.6	366.177
K 766.491	153346xb	ppb	286.355	0.2	7395294
Mg 279.078	52385.6b	ppb	23.1025	0.0	152296
Mn 257.610	409.323b	ppb	0.5029	0.1	98848.9
Mo 202.032	5.9033b	ppb	0.3772	6.4	46.3630
Na 330.237	35681.0b	ppb	288.439	0.8	1987.36
Ni 231.604	21.6972b	ppb	0.1298	0.6	65.5172
Pb 220.353	-1.9995b	ppb	0.2243	11.2	9.5799
Sb 206.834	6.0430b	ppb	1.7289	28.6	4.5794
Se 196.026	-3.7946b	ppb	6.2392	164.4	5.3367
Sn 189.925	1.0014b	ppb	2.9410	293.7	-5.3071
Sr 216.596	548.442b	ppb	1.3912	0.3	6780.18
Ti 334.941	3.8694b	ppb	0.3088	8.0	1331.66
Tl 190.794	0.5934b	ppb	1.9902	335.4	-8.0041
V 292.401	4.1351b	ppb	0.1171	2.8	110.900
Zn 206.200	62.1578b	ppb	0.4697	0.8	66.3232

CRI (Samp) **2/5/2015, 1:50:23 AM** **Rack 3, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.3875	9.7677	9.5698
Al 308.215	193.351	192.500	192.838
As 188.980	19.6004	21.9261	16.5435

Label	Replicates Concentration		
B 249.678	105.439	104.393	103.149
Ba 389.178	9.4293	9.5856	9.9926
Be 313.042	4.0394	4.0290	4.0271
Ca 370.602	486.7	485.9	481.9
Cd 226.502	4.6910	4.6624	4.7590
Co 228.615	9.6942	9.7609	9.0287
Cr 267.716	9.5128	9.5928	9.5359
Cu 324.754	20.7486	20.4843	20.8313
Fe 271.441	48.5368	52.1098	45.7838
K 766.491	1068.36	1062.10	1070.84
Mg 279.078	501.744	498.210	497.486
Mn 257.610	10.4262	10.3692	10.3948
Mo 202.032	9.6127	9.6884	9.7876
Na 330.237	983.653	861.289	1126.28
Ni 231.604	39.4801	39.3814	39.3878
Pb 220.353	9.8798	8.7546	7.6532
Sb 206.834	19.9450	19.7878	22.6779
Se 196.026	15.8081	13.7681	17.7925
Sn 189.925	46.8442	47.5754	47.6659
Sr 216.596	9.6242	9.3882	8.9477
Ti 334.941	9.4437	9.3772	9.3756
Tl 190.794	24.6406	27.7362	28.7492
V 292.401	10.5028	10.4735	10.4679
Zn 206.200	18.6696	20.4461	20.4648

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.5750	ppb	0.1901	2.0	882.889
Al 308.215	192.896	ppb	0.4280	0.2	1825.65
As 188.980	19.3567	ppb	2.6996	13.9	9.2378
B 249.678	104.327	ppb	1.1466	1.1	2022.18
Ba 389.178	9.6692	ppb	0.2908	3.0	189.081
Be 313.042	4.0318	ppb	0.0066	0.2	7636.35
Ca 370.602	484.9	ppb	2.563	0.5	1547
Cd 226.502	4.7041	ppb	0.0496	1.1	240.573
Co 228.615	9.4946	ppb	0.4049	4.3	110.570
Cr 267.716	9.5472	ppb	0.0412	0.4	579.916
Cu 324.754	20.6881	ppb	0.1812	0.9	1773.17
Fe 271.441	48.8101	ppb	3.1718	6.5	89.6133
K 766.491	1067.10	ppb	4.5048	0.4	51788.5
Mg 279.078	499.147	ppb	2.2781	0.5	1469.27
Mn 257.610	10.3967	ppb	0.0286	0.3	2566.19
Mo 202.032	9.6962	ppb	0.0877	0.9	72.5375
Na 330.237	990.408	ppb	132.625	13.4	81.6599
Ni 231.604	39.4164	ppb	0.0552	0.1	123.152
Pb 220.353	8.7625	ppb	1.1133	12.7	26.7523
Sb 206.834	20.8036	ppb	1.6251	7.8	25.6766
Se 196.026	15.7895	ppb	2.0123	12.7	14.6757
Sn 189.925	47.3619	ppb	0.4505	1.0	29.9358
Sr 216.596	9.3200	ppb	0.3434	3.7	114.517
Ti 334.941	9.3988	ppb	0.0389	0.4	3043.66
Tl 190.794	27.0420	ppb	2.1405	7.9	21.9414
V 292.401	10.4814	ppb	0.0187	0.2	301.233
Zn 206.200	19.8602	ppb	1.0311	5.2	21.4276

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Cont Calib Verif (CCV) **2/5/2015, 1:54:58 AM** **Rack 3, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	455.438	456.405	455.878
Al 308.215	4622.84	4633.69	4620.77
As 188.980	467.327	471.393	472.447
B 249.678	470.952	473.288	471.124
Ba 389.178	4512.19	4518.81	4508.86
Be 313.042	471.950	470.852	468.467
Ca 370.602	4537	4564	4561
Cd 226.502	459.036	459.857	458.945
Co 228.615	472.218	472.326	471.404
Cr 267.716	4696.73	4706.51	4700.78
Cu 324.754	4900.68	4882.94	4836.03
Fe 271.441	4529.21	4532.80	4525.46
K 766.491	10034.1	10021.2	10012.3
Mg 279.078	4725.77	4745.77	4727.34
Mn 257.610	4813.96	4795.97	4784.87
Mo 202.032	455.354	458.391	457.305
Na 330.237	7589.88	7415.15	7117.02
Ni 231.604	2374.75	2381.28	2373.80
Pb 220.353	466.522	464.810	468.639
Sb 206.834	916.543	917.904	918.897
Se 196.026	4702.91	4703.47	4708.46
Sn 189.925	4585.10	4629.30	4588.73
Sr 216.596	2288.14	2283.07	2278.34
Ti 334.941	441.605	441.556	440.697
Tl 190.794	4684.18	4688.81	4685.06
V 292.401	4698.89	4693.31	4688.51
Zn 206.200	2296.89	2302.75	2293.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	455.907	ppb	0.4841	0.1	42461.9	91.18140
Al 308.215	4625.76	ppb	6.9378	0.1	37013.4	92.51527
As 188.980	470.389	ppb	2.7037	0.6	323.167	94.07782
B 249.678	471.788	ppb	1.3019	0.3	8998.08	94.35763
Ba 389.178	4513.29	ppb	5.0655	0.1	108923	90.26574
Be 313.042	470.423	ppb	1.7804	0.4	930371	94.08456
Ca 370.602	4554	ppb	14.86	0.3	14697	91.07390
Cd 226.502	459.279	ppb	0.5022	0.1	21138.2	91.85587
Co 228.615	471.983	ppb	0.5038	0.1	5548.46	94.39653
Cr 267.716	4701.34	ppb	4.9108	0.1	270489	94.02683
Cu 324.754	4873.22	ppb	33.3997	0.7	373337	97.46435
Fe 271.441	4529.16	ppb	3.6699	0.1	7753.04	90.58311
K 766.491	10022.5	ppb	10.9590	0.1	483653	100.22500
Mg 279.078	4732.96	ppb	11.1196	0.2	13670.6	94.65922
Mn 257.610	4798.27	ppb	14.6854	0.3	1152779	95.96531
Mo 202.032	457.017	ppb	1.5388	0.3	3153.86	91.40334
Na 330.237	7374.02	ppb	239.101	3.2	376.276	98.32020
Ni 231.604	2376.61	ppb	4.0767	0.2	7729.10	95.06436
Pb 220.353	466.657	ppb	1.9179	0.4	765.630	93.33134
Sb 206.834	917.781	ppb	1.1822	0.1	1358.64	91.77813
Se 196.026	4704.95	ppb	3.0551	0.1	2275.20	94.09892
Sn 189.925	4601.04	ppb	24.5375	0.5	3492.70	92.02087
Sr 216.596	2283.18	ppb	4.9013	0.2	27670.4	91.32735

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	441.286	ppb	0.5110	0.1	144693	88.25721Q
Tl 190.794	4686.01	ppb	2.4585	0.1	5335.43	93.72028
V 292.401	4693.57	ppb	5.1946	0.1	141600	93.87145
Zn 206.200	2297.60	ppb	4.8325	0.2	2428.98	91.90405

Cont Calib Blank (CCB) **2/5/2015, 1:59:34 AM** **Rack 3, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	0.0288	0.1918	0.2418
Al 308.215	0.7342	1.6533	2.1898
As 188.980	1.9859	0.5813	1.1083
B 249.678	4.0544	4.0809	3.5947
Ba 389.178	0.2317	0.7509	-0.0035u
Be 313.042	0.0174	0.0117	0.0034
Ca 370.602	3.030	2.316	3.013
Cd 226.502	0.0153	0.0300	0.0435
Co 228.615	0.2243	0.0903	0.0709
Cr 267.716	-0.0152u	0.0542	-0.1723u
Cu 324.754	0.2215	0.2845	0.0478
Fe 271.441	0.7705	2.1489	0.4931
K 766.491	1.4771	1.7328	1.9484
Mg 279.078	0.4514	1.3812	-1.7216u
Mn 257.610	0.1628	0.1175	0.0988
Mo 202.032	-0.0940u	0.4810	0.2159
Na 330.237	93.7374	136.322	146.852
Ni 231.604	0.2935	1.2284	-0.4946u
Pb 220.353	-2.3724u	0.0663	1.1962
Sb 206.834	3.5788	2.0409	2.3563
Se 196.026	-7.4433u	-2.1680u	2.3971
Sn 189.925	-1.8811u	0.5035	1.5617
Sr 216.596	-0.2063u	-0.0103u	0.4302
Ti 334.941	0.1196	0.1117	0.1022
Tl 190.794	0.1845	3.3695	0.4576
V 292.401	0.3566	0.2633	0.2947
Zn 206.200	0.7283	0.7096	0.3728

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1541	ppb	0.1114	72.2	4.5699	0.15414
Al 308.215	1.5258	ppb	0.7361	48.2	336.271	1.52578
As 188.980	1.2252	ppb	0.7095	57.9	-3.3856	1.22518
B 249.678	3.9100	ppb	0.2734	7.0	116.563	3.91002
Ba 389.178	0.3264	ppb	0.3860	118.3	-37.6835	0.32636
Be 313.042	0.0108	ppb	0.0070	65.1	-316.388	0.01083
Ca 370.602	2.786	ppb	0.4075	14.6	24.38	2.78611
Cd 226.502	0.0296	ppb	0.0141	47.5	25.6629	0.02959
Co 228.615	0.1285	ppb	0.0835	65.0	0.6179	0.12850
Cr 267.716	-0.0444	ppb	0.1161	261.2	28.1165	-0.04444
Cu 324.754	0.1846	ppb	0.1226	66.4	202.717	0.18462
Fe 271.441	1.1375	ppb	0.8868	78.0	7.8793	1.13751
K 766.491	1.7194	ppb	0.2359	13.7	411.488	1.71945
Mg 279.078	0.0370	ppb	1.5923	4305.0	18.6436	0.03699
Mn 257.610	0.1264	ppb	0.0329	26.0	94.5332	0.12635
Mo 202.032	0.2010	ppb	0.2878	143.2	7.0296	0.20097

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	125.637	ppb	28.1232	22.4	34.6117	125.63714
Ni 231.604	0.3424	ppb	0.8625	251.9	-4.0002	0.34245
Pb 220.353	-0.3700	ppb	1.8239	493.0	12.1092	-0.36998
Sb 206.834	2.6587	ppb	0.8123	30.6	-0.1590	2.65866
Se 196.026	-2.4047	ppb	4.9244	204.8	5.9063	-2.40472
Sn 189.925	0.0614	ppb	1.7635	2873.6	-6.0332	0.06137
Sr 216.596	0.0712	ppb	0.3259	457.8	3.1088	0.07120
Ti 334.941	0.1111	ppb	0.0087	7.8	-3.2440	0.11114
Tl 190.794	1.3372	ppb	1.7653	132.0	-7.3294	1.33722
V 292.401	0.3048	ppb	0.0475	15.6	-3.9644	0.30485
Zn 206.200	0.6036	ppb	0.2001	33.1	1.0142	0.60361

mb 680-369509/1-a (Samp) **2/5/2015, 2:04:09 AM** **Rack 3, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	0.1438	0.1755	0.2058
Al 308.215	0.9635	3.9663	1.3535
As 188.980	-0.8161u	-3.1961u	-5.2037u
B 249.678	2.9632	2.7377	2.8585
Ba 389.178	-0.3636u	0.3742	-0.1678u
Be 313.042	0.0104	0.0058	0.0050
Ca 370.602	2.340	4.903	0.5372
Cd 226.502	0.1309	0.1171	0.0266
Co 228.615	-0.5948u	-0.2304u	-0.0913u
Cr 267.716	0.1715	0.0250	0.1295
Cu 324.754	0.2937	0.3310	0.1957
Fe 271.441	0.4794	4.7869	4.4637
K 766.491	2.8219	2.5028	2.7751
Mg 279.078	0.6313	-0.9149u	0.7871
Mn 257.610	4.1483	4.1772	4.1206
Mo 202.032	0.1889	0.2821	0.0776
Na 330.237	87.4644	205.973	234.937
Ni 231.604	-0.8287u	0.1007	0.7875
Pb 220.353	-1.1889u	2.3446	0.9142
Sb 206.834	2.2036	0.8450	0.3122
Se 196.026	1.7633	0.0766	8.2517
Sn 189.925	-0.7756u	2.2724	1.7918
Sr 216.596	0.0825	0.4386	-0.3054u
Ti 334.941	0.0965	0.1514	0.0926
Tl 190.794	0.1798	-0.3339u	0.4648
V 292.401	0.2030	0.1721	0.2768
Zn 206.200	1.8568	1.2527	1.3275

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1750	ppb	0.0310	17.7	6.5374
Al 308.215	2.0944	ppb	1.6328	78.0	340.687
As 188.980	-3.0720	ppb	2.1964	71.5	-6.3782
B 249.678	2.8532	ppb	0.1128	4.0	96.5006
Ba 389.178	-0.0524	ppb	0.3822	729.0	-46.8254
Be 313.042	0.0071	ppb	0.0029	41.5	-323.814
Ca 370.602	2.593	ppb	2.194	84.6	23.83
Cd 226.502	0.0915	ppb	0.0566	61.9	28.5339
Co 228.615	-0.3055	ppb	0.2600	85.1	-4.4784

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.1087	ppb	0.0755	69.4	36.9495
Cu 324.754	0.2735	ppb	0.0699	25.5	209.522
Fe 271.441	3.2433	ppb	2.3991	74.0	11.3913
K 766.491	2.6999	ppb	0.1723	6.4	458.771
Mg 279.078	0.1678	ppb	0.9409	560.7	18.9364
Mn 257.610	4.1487	ppb	0.0283	0.7	1060.80
Mo 202.032	0.1829	ppb	0.1024	56.0	6.9044
Na 330.237	176.125	ppb	78.1359	44.4	37.3660
Ni 231.604	0.0198	ppb	0.8111	4091.6	-5.0489
Pb 220.353	0.6900	ppb	1.7774	257.6	13.8117
Sb 206.834	1.1202	ppb	0.9753	87.1	-2.3485
Se 196.026	3.3639	ppb	4.3162	128.3	8.6867
Sn 189.925	1.0962	ppb	1.6388	149.5	-5.2463
Sr 216.596	0.0719	ppb	0.3721	517.5	3.1442
Ti 334.941	0.1135	ppb	0.0329	29.0	-2.4684
Tl 190.794	0.1035	ppb	0.4048	390.9	-8.7336
V 292.401	0.2173	ppb	0.0538	24.7	-6.6072
Zn 206.200	1.4790	ppb	0.3293	22.3	1.9427

lcs 680-369509/2-a (Samp) **2/5/2015, 2:08:45 AM** **Rack 3, Tube 16**

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

Label	Replicates Concentration		
Ag 328.068	48.0037	48.5030	48.5767
Al 308.215	4864.30	4861.96	4883.19
As 188.980	96.3932	102.399	100.616
B 249.678	196.530	197.083	197.441
Ba 389.178	95.0782	95.0426	95.0913
Be 313.042	50.8962	50.7932	51.0647
Ca 370.602	4768	4787	4802
Cd 226.502	48.8383	48.8146	48.9400
Co 228.615	50.2584	49.4271	50.2265
Cr 267.716	101.001	101.067	101.481
Cu 324.754	103.639	102.031	103.604
Fe 271.441	4791.10	4788.00	4811.96
K 766.491	5148.22	5147.37	5182.15
Mg 279.078	4908.98	4912.60	4917.98
Mn 257.610	521.337	520.418	522.947
Mo 202.032	97.9779	98.1619	98.7450
Na 330.237	4891.50	4990.67	5002.79
Ni 231.604	100.850	99.7234	99.6547
Pb 220.353	492.209	495.102	493.958
Sb 206.834	50.5672	50.9558	48.8875
Se 196.026	101.353	101.730	98.0574
Sn 189.925	193.752	190.817	192.361
Sr 216.596	94.9862	96.6053	95.9829
Ti 334.941	95.3359	95.2659	95.6102
Tl 190.794	42.8636	35.3615	42.9527
V 292.401	101.826	101.647	102.024
Zn 206.200	97.0712	98.7762	97.9549

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.3611	ppb	0.3117	0.6	4499.03
Al 308.215	4869.82	ppb	11.6365	0.2	38198.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	99.8027	ppb	3.0843	3.1	65.2002
B 249.678	197.018	ppb	0.4589	0.2	3768.93
Ba 389.178	95.0707	ppb	0.0252	0.0	2265.18
Be 313.042	50.9180	ppb	0.1371	0.3	100370
Ca 370.602	4785	ppb	17.13	0.4	15091
Cd 226.502	48.8643	ppb	0.0666	0.1	2292.03
Co 228.615	49.9707	ppb	0.4710	0.9	585.866
Cr 267.716	101.183	ppb	0.2605	0.3	5855.96
Cu 324.754	103.091	ppb	0.9185	0.9	8088.28
Fe 271.441	4797.02	ppb	13.0296	0.3	8111.68
K 766.491	5159.25	ppb	19.8404	0.4	249128
Mg 279.078	4913.19	ppb	4.5312	0.1	14288.0
Mn 257.610	521.567	ppb	1.2802	0.2	125416
Mo 202.032	98.2949	ppb	0.4005	0.4	683.578
Na 330.237	4961.65	ppb	61.0532	1.2	296.766
Ni 231.604	100.076	ppb	0.6709	0.7	320.903
Pb 220.353	493.756	ppb	1.4568	0.3	805.270
Sb 206.834	50.1368	ppb	1.0993	2.2	67.2749
Se 196.026	100.380	ppb	2.0204	2.0	55.6005
Sn 189.925	192.310	ppb	1.4684	0.8	140.160
Sr 216.596	95.8581	ppb	0.8168	0.9	1170.82
Ti 334.941	95.4040	ppb	0.1820	0.2	31259.0
Tl 190.794	40.3926	ppb	4.3573	10.8	36.5838
V 292.401	101.832	ppb	0.1887	0.2	3038.01
Zn 206.200	97.9341	ppb	0.8527	0.9	103.929

680-109475-g-3-a (Samp) **2/5/2015, 2:13:20 AM** **Rack 3, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0580	0.0536	0.2067
Al 308.215	18.6126	17.4310	17.6319
As 188.980	-3.6857u	-4.5488u	-4.6385u
B 249.678	7.2814	6.9373	7.0370
Ba 389.178	21.0188	20.4767	20.8777
Be 313.042	0.0167	0.0089	0.0146
Ca 370.602	336.2	334.9	332.6
Cd 226.502	0.0991	0.0398	0.0053
Co 228.615	-0.0676u	0.2498	0.0565
Cr 267.716	0.2548	0.2454	0.2417
Cu 324.754	1.4600	1.4281	1.3555
Fe 271.441	43.3239	43.1857	42.8732
K 766.491	1035.28	1034.94	1037.96
Mg 279.078	218.091	219.114	221.709
Mn 257.610	10.7588	10.7512	10.8491
Mo 202.032	0.2135	0.1861	0.1267
Na 330.237	1625.56	1751.09	1702.21
Ni 231.604	1.0722	-0.3730u	0.2126
Pb 220.353	0.0435	-0.4976u	2.3114
Sb 206.834	1.2169	1.1078	-1.4214u
Se 196.026	3.6717	-0.6147u	-2.8858u
Sn 189.925	0.9679	-1.6306u	1.0868
Sr 216.596	7.2413	7.2308	7.5850
Ti 334.941	0.8504	0.8411	0.8304

Label	Replicates Concentration		
Tl 190.794	0.6655	0.3138	-1.9146u
V 292.401	0.2556	0.2104	0.2317
Zn 206.200	10.5617	8.0848	9.6077

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1061	ppb	0.0872	82.2	-0.1391
Al 308.215	17.8918	ppb	0.6322	3.5	463.487
As 188.980	-4.2910	ppb	0.5261	12.3	-7.2274
B 249.678	7.0852	ppb	0.1771	2.5	176.693
Ba 389.178	20.7911	ppb	0.2812	1.4	456.821
Be 313.042	0.0134	ppb	0.0040	30.1	-311.428
Ca 370.602	334.5	ppb	1.830	0.5	1069
Cd 226.502	0.0481	ppb	0.0474	98.7	26.7308
Co 228.615	0.0796	ppb	0.1599	201.0	0.0650
Cr 267.716	0.2473	ppb	0.0067	2.7	45.0150
Cu 324.754	1.4145	ppb	0.0536	3.8	296.926
Fe 271.441	43.1276	ppb	0.2309	0.5	78.7712
K 766.491	1036.06	ppb	1.6574	0.2	50291.4
Mg 279.078	219.638	ppb	1.8651	0.8	656.793
Mn 257.610	10.7864	ppb	0.0545	0.5	2657.35
Mo 202.032	0.1754	ppb	0.0444	25.3	6.8513
Na 330.237	1692.95	ppb	63.2728	3.7	120.528
Ni 231.604	0.3039	ppb	0.7269	239.2	-4.1215
Pb 220.353	0.6191	ppb	1.4904	240.7	13.7015
Sb 206.834	0.3011	ppb	1.4927	495.7	-3.5130
Se 196.026	0.0571	ppb	3.3300	5833.2	7.0954
Sn 189.925	0.1413	ppb	1.5357	1086.6	-5.9719
Sr 216.596	7.3523	ppb	0.2015	2.7	91.7441
Ti 334.941	0.8406	ppb	0.0100	1.2	236.303
Tl 190.794	-0.3118	ppb	1.3992	448.8	-9.2086
V 292.401	0.2326	ppb	0.0226	9.7	-6.1764
Zn 206.200	9.4181	ppb	1.2493	13.3	10.3655

680-109475-g-3-aSD^5 (Samp) **2/5/2015, 2:17:56 AM** **Rack 3, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	0.2215	0.1020	0.0643
Al 308.215	5.9771	8.0163	5.5963
As 188.980	-0.2450u	-1.1436u	-5.3050u
B 249.678	2.0392	2.2132	2.0426
Ba 389.178	4.7536	5.2154	4.0412
Be 313.042	0.0096	-0.0011u	0.0090
Ca 370.602	73.18	70.17	66.57
Cd 226.502	0.0641	-0.0269u	0.0284
Co 228.615	-0.4197u	0.1562	-0.0281u
Cr 267.716	0.0484	0.0486	0.0287
Cu 324.754	0.3565	0.1565	0.3918
Fe 271.441	5.4311	9.8461	6.7841
K 766.491	214.183	213.046	209.081
Mg 279.078	45.4962	44.9895	42.5777
Mn 257.610	2.2035	2.2545	2.1670
Mo 202.032	-0.0328u	0.2078	-0.1380u
Na 330.237	377.774	343.315	345.770

Label	Replicates Concentration		
Ni 231.604	1.1474	1.0694	1.0249
Pb 220.353	-0.4212u	1.6811	0.6804
Sb 206.834	-2.0020u	-0.8995u	1.0994
Se 196.026	-4.0387u	-5.1106u	-2.1290u
Sn 189.925	0.2376	-0.3458u	0.8089
Sr 216.596	1.3738	1.8067	1.3944
Ti 334.941	0.1787	0.1839	0.2234
Tl 190.794	2.8611	-1.1219u	1.7080
V 292.401	0.1103	0.2643	0.1081
Zn 206.200	3.5114	3.7444	2.9088

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1293	ppb	0.0821	63.5	2.2031
Al 308.215	6.5299	ppb	1.3013	19.9	375.142
As 188.980	-2.2312	ppb	2.6996	121.0	-5.7926
B 249.678	2.0984	ppb	0.0995	4.7	82.1457
Ba 389.178	4.6700	ppb	0.5915	12.7	67.2668
Be 313.042	0.0058	ppb	0.0060	103.1	-326.250
Ca 370.602	69.97	ppb	3.305	4.7	235.9
Cd 226.502	0.0219	ppb	0.0458	209.8	25.3604
Co 228.615	-0.0972	ppb	0.2941	302.6	-2.0242
Cr 267.716	0.0419	ppb	0.0114	27.3	33.1081
Cu 324.754	0.3016	ppb	0.1269	42.1	211.672
Fe 271.441	7.3538	ppb	2.2619	30.8	18.3392
K 766.491	212.103	ppb	2.6788	1.3	10557.0
Mg 279.078	44.3545	ppb	1.5595	3.5	147.429
Mn 257.610	2.2083	ppb	0.0440	2.0	595.072
Mo 202.032	0.0123	ppb	0.1773	1439.7	5.7274
Na 330.237	355.620	ppb	19.2257	5.4	47.1830
Ni 231.604	1.0806	ppb	0.0620	5.7	-1.5962
Pb 220.353	0.6468	ppb	1.0516	162.6	13.7424
Sb 206.834	-0.6007	ppb	1.5721	261.7	-4.7992
Se 196.026	-3.7594	ppb	1.5103	40.2	5.2542
Sn 189.925	0.2336	ppb	0.5774	247.2	-5.9022
Sr 216.596	1.5250	ppb	0.2442	16.0	20.7932
Ti 334.941	0.1953	ppb	0.0245	12.5	24.4189
Tl 190.794	1.1491	ppb	2.0495	178.4	-7.5446
V 292.401	0.1609	ppb	0.0895	55.6	-8.2712
Zn 206.200	3.3882	ppb	0.4312	12.7	3.9686

680-109475-g-3-aPDS (Samp) **2/5/2015, 2:22:31 AM** **Rack 3, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	86.4727	86.2538	86.5737
Al 308.215	964.466	963.711	961.892
As 188.980	98.5557	102.845	100.356
B 249.678	194.327	194.404	193.995
Ba 389.178	105.396	104.558	104.382
Be 313.042	97.8167	97.7160	97.6870
Ca 370.602	9705	9708	9730
Cd 226.502	93.7144	93.6933	93.5185
Co 228.615	95.6425	96.0070	95.1597
Cr 267.716	97.9548	98.3654	98.0379

Label	Replicates Concentration		
Cu 324.754	102.108	102.028	101.847
Fe 271.441	9459.38	9460.13	9445.55
K 766.491	11193.3	11155.1	11134.8
Mg 279.078	9789.87	9777.78	9784.15
Mn 257.610	1027.87	1028.40	1027.03
Mo 202.032	95.3216	95.8067	94.5972
Na 330.237	10219.3	10418.5	10276.7
Ni 231.604	94.7309	96.8465	97.9458
Pb 220.353	97.6924	97.7381	95.3756
Sb 206.834	94.3778	97.8235	93.6588
Se 196.026	100.856	104.205	98.6771
Sn 189.925	95.1613	95.6591	92.2564
Sr 216.596	100.273	99.7934	100.180
Ti 334.941	93.4232	93.4362	93.3332
Tl 190.794	20.0000	19.5478	21.0055
V 292.401	100.889	101.229	100.861
Zn 206.200	105.097	105.103	104.316

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	86.4334	ppb	0.1635	0.2	8051.33
Al 308.215	963.356	ppb	1.3234	0.1	7831.60
As 188.980	100.586	ppb	2.1539	2.1	65.7144
B 249.678	194.242	ppb	0.2175	0.1	3704.65
Ba 389.178	104.779	ppb	0.5420	0.5	2514.48
Be 313.042	97.7399	ppb	0.0681	0.1	192986
Ca 370.602	9714	ppb	13.64	0.1	30570
Cd 226.502	93.6421	ppb	0.1075	0.1	4371.52
Co 228.615	95.6031	ppb	0.4250	0.4	1122.35
Cr 267.716	98.1193	ppb	0.2171	0.2	5684.23
Cu 324.754	101.995	ppb	0.1336	0.1	8006.29
Fe 271.441	9455.02	ppb	8.2118	0.1	15981.1
K 766.491	11161.1	ppb	29.7038	0.3	538560
Mg 279.078	9783.93	ppb	6.0473	0.1	28437.9
Mn 257.610	1027.77	ppb	0.6922	0.1	247074
Mo 202.032	95.2418	ppb	0.6087	0.6	662.288
Na 330.237	10304.8	ppb	102.564	1.0	588.999
Ni 231.604	96.5077	ppb	1.6340	1.7	309.589
Pb 220.353	96.9354	ppb	1.3510	1.4	168.954
Sb 206.834	95.2867	ppb	2.2261	2.3	131.758
Se 196.026	101.246	ppb	2.7847	2.8	56.1826
Sn 189.925	94.3590	ppb	1.8378	1.9	65.6770
Sr 216.596	100.082	ppb	0.2544	0.3	1230.36
Ti 334.941	93.3975	ppb	0.0561	0.1	30610.7
Tl 190.794	20.1844	ppb	0.7462	3.7	13.2236
V 292.401	100.993	ppb	0.2049	0.2	3011.54
Zn 206.200	104.839	ppb	0.4526	0.4	111.100

680-109475-g-3-b ms (Samp) **2/5/2015, 2:27:07 AM** **Rack 3, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	48.8853	48.6950	48.6000
Al 308.215	4948.86	4927.65	4940.34
As 188.980	100.403	101.133	101.852

Label	Replicates Concentration		
B 249.678	202.042	202.013	202.255
Ba 389.178	116.193	116.196	116.155
Be 313.042	51.7258	51.4902	51.5652
Ca 370.602	5123	5119	5131
Cd 226.502	49.4984	49.4625	49.5323
Co 228.615	50.4802	50.3523	50.0254
Cr 267.716	102.077	102.133	102.098
Cu 324.754	107.424	107.147	107.901
Fe 271.441	4896.75	4887.67	4894.93
K 766.491	6242.83	6192.73	6199.24
Mg 279.078	5164.33	5153.48	5168.72
Mn 257.610	537.593	536.401	536.892
Mo 202.032	97.3070	98.5929	98.2587
Na 330.237	6654.42	6638.99	6575.76
Ni 231.604	99.2719	100.284	101.312
Pb 220.353	496.705	487.325	499.734
Sb 206.834	47.8073	52.0547	51.5750
Se 196.026	98.8746	100.206	96.0191
Sn 189.925	197.489	193.269	196.926
Sr 216.596	103.694	103.894	103.452
Ti 334.941	97.4704	97.0027	97.1483
Tl 190.794	41.0383	37.9986	39.7037
V 292.401	102.674	102.365	102.728
Zn 206.200	104.710	107.814	108.777

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.7267	ppb	0.1453	0.3	4532.91
Al 308.215	4938.95	ppb	10.6728	0.2	38736.3
As 188.980	101.129	ppb	0.7246	0.7	66.1235
B 249.678	202.103	ppb	0.1320	0.1	3865.18
Ba 389.178	116.181	ppb	0.0229	0.0	2775.41
Be 313.042	51.5938	ppb	0.1204	0.2	101707
Ca 370.602	5124	ppb	6.340	0.1	16159
Cd 226.502	49.4977	ppb	0.0349	0.1	2321.61
Co 228.615	50.2860	ppb	0.2345	0.5	589.620
Cr 267.716	102.103	ppb	0.0284	0.0	5909.03
Cu 324.754	107.491	ppb	0.3815	0.4	8425.23
Fe 271.441	4893.12	ppb	4.8045	0.1	8273.97
K 766.491	6211.60	ppb	27.2430	0.4	299877
Mg 279.078	5162.17	ppb	7.8457	0.2	15011.4
Mn 257.610	536.962	ppb	0.5990	0.1	129116
Mo 202.032	98.0529	ppb	0.6672	0.7	681.902
Na 330.237	6623.06	ppb	41.6834	0.6	387.824
Ni 231.604	100.289	ppb	1.0201	1.0	321.606
Pb 220.353	494.588	ppb	6.4701	1.3	806.613
Sb 206.834	50.4790	ppb	2.3262	4.6	67.7815
Se 196.026	98.3666	ppb	2.1393	2.2	54.6350
Sn 189.925	195.894	ppb	2.2914	1.2	142.886
Sr 216.596	103.680	ppb	0.2217	0.2	1266.08
Ti 334.941	97.2071	ppb	0.2393	0.2	31850.8
Tl 190.794	39.5802	ppb	1.5236	3.8	35.6533
V 292.401	102.589	ppb	0.1958	0.2	3060.81
Zn 206.200	107.100	ppb	2.1255	2.0	113.650

680-109475-g-3-c msd (Samp) **2/5/2015, 2:31:42 AM** **Rack 3, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	48.4136	48.8146	48.8042
Al 308.215	4931.37	4938.23	4924.24
As 188.980	98.9828	103.140	101.780
B 249.678	202.608	202.163	202.519
Ba 389.178	116.449	116.230	115.962
Be 313.042	51.5873	51.7278	51.6362
Ca 370.602	5138	5140	5130
Cd 226.502	49.1508	49.2043	49.1006
Co 228.615	50.0374	49.9910	50.8039
Cr 267.716	102.025	102.102	101.931
Cu 324.754	105.442	105.072	104.957
Fe 271.441	4885.80	4891.84	4884.84
K 766.491	6231.77	6228.78	6228.79
Mg 279.078	5165.02	5165.89	5150.70
Mn 257.610	536.378	536.688	536.014
Mo 202.032	98.6009	98.2648	97.5766
Na 330.237	6565.72	6402.84	6577.82
Ni 231.604	101.030	101.024	99.0229
Pb 220.353	493.524	497.884	491.602
Sb 206.834	50.0171	53.7470	52.6898
Se 196.026	101.669	98.9983	89.2718
Sn 189.925	187.929	194.544	191.150
Sr 216.596	102.242	103.237	103.050
Ti 334.941	96.1919	96.5257	96.4585
Tl 190.794	38.0218	36.9281	40.9289
V 292.401	102.419	103.349	102.394
Zn 206.200	109.344	109.058	108.065

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.6774	ppb	0.2286	0.5	4528.34
Al 308.215	4931.28	ppb	6.9963	0.1	38676.6
As 188.980	101.301	ppb	2.1194	2.1	66.2430
B 249.678	202.430	ppb	0.2356	0.1	3871.41
Ba 389.178	116.213	ppb	0.2437	0.2	2776.16
Be 313.042	51.6504	ppb	0.0713	0.1	101819
Ca 370.602	5136	ppb	5.206	0.1	16195
Cd 226.502	49.1519	ppb	0.0519	0.1	2305.68
Co 228.615	50.2775	ppb	0.4565	0.9	589.516
Cr 267.716	102.019	ppb	0.0858	0.1	5904.22
Cu 324.754	105.157	ppb	0.2534	0.2	8246.46
Fe 271.441	4887.50	ppb	3.7969	0.1	8264.49
K 766.491	6229.78	ppb	1.7197	0.0	300753
Mg 279.078	5160.54	ppb	8.5330	0.2	15006.7
Mn 257.610	536.360	ppb	0.3377	0.1	128971
Mo 202.032	98.1474	ppb	0.5221	0.5	682.555
Na 330.237	6515.46	ppb	97.7154	1.5	381.868
Ni 231.604	100.359	ppb	1.1573	1.2	321.832
Pb 220.353	494.337	ppb	3.2187	0.7	806.210
Sb 206.834	52.1513	ppb	1.9224	3.7	70.1687
Se 196.026	96.6465	ppb	6.5248	6.8	53.8058
Sn 189.925	191.208	ppb	3.3076	1.7	139.323
Sr 216.596	102.843	ppb	0.5287	0.5	1255.92

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	96.3921	ppb	0.1766	0.2	31583.5
Tl 190.794	38.6263	ppb	2.0677	5.4	34.5703
V 292.401	102.721	ppb	0.5441	0.5	3064.91
Zn 206.200	108.822	ppb	0.6711	0.6	115.478

680-109475-g-1-a (Samp) **2/5/2015, 2:36:18 AM** **Rack 3, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	0.0443u	0.0487u	-0.0195u
Al 308.215	2540.19	2542.07	2532.40
As 188.980	4.3923	2.1177	5.9894
B 249.678	37.7855	37.0211	37.2715
Ba 389.178	21.0708	20.3487	20.9053
Be 313.042	0.0439	0.0400	0.0402
Ca 370.602	15695	15669	15638
Cd 226.502	-0.1510	-0.1480	-0.2416
Co 228.615	0.4859	0.6110	0.9646
Cr 267.716	15.7436	15.9621	15.8109
Cu 324.754	7.5915	7.7584	7.7501
Fe 271.441	28005.7	28002.2	27966.7
K 766.491	1051.70	1056.06	1054.50
Mg 279.078	1530.83	1531.06	1533.51
Mn 257.610	141.415	141.174	140.872
Mo 202.032	1.7479	2.2568	1.9546
Na 330.237	3048.58	3067.52	3074.26
Ni 231.604	1.7140	0.5856	0.2777
Pb 220.353	87.5496	90.9621	91.1559
Sb 206.834	0.0861	4.2896	5.9153
Se 196.026	-2.7090u	2.2556	10.6585
Sn 189.925	0.9241	2.3161	0.6432
Sr 216.596	145.330	144.042	144.798
Ti 334.941	87.0445	87.6178	87.5472
Tl 190.794	-2.0061u	-0.0095u	-0.0207u
V 292.401	17.1987	17.3108	17.1759
Zn 206.200	30.6331	29.2307	29.9068

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0245	ppb	0.0382	155.7	-17.4359
Al 308.215	2538.22	ppb	5.1290	0.2	20061.5
As 188.980	4.1665	ppb	1.9457	46.7	-1.5304
B 249.678	37.3594	ppb	0.3897	1.0	677.292
Ba 389.178	20.7749	ppb	0.3783	1.8	482.809
Be 313.042	0.0414	ppb	0.0022	5.3	-250.474
Ca 370.602	15667	ppb	28.39	0.2	49074
Cd 226.502	-0.1802	ppb	0.0532	29.5	154.354
Co 228.615	0.6872	ppb	0.2483	36.1	11.0444
Cr 267.716	15.8389	ppb	0.1119	0.7	957.072
Cu 324.754	7.7000	ppb	0.0941	1.2	790.777
Fe 271.441	27991.5	ppb	21.5800	0.1	47263.1
K 766.491	1054.09	ppb	2.2093	0.2	51160.8
Mg 279.078	1531.80	ppb	1.4850	0.1	4467.42
Mn 257.610	141.154	ppb	0.2716	0.2	34079.1
Mo 202.032	1.9864	ppb	0.2559	12.9	17.9951

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	3063.45	ppb	13.3158	0.4	187.794
Ni 231.604	0.8591	ppb	0.7562	88.0	0.2011
Pb 220.353	89.8892	ppb	2.0285	2.3	158.816
Sb 206.834	3.4303	ppb	3.0081	87.7	1.6338
Se 196.026	3.4017	ppb	6.7571	198.6	9.0042
Sn 189.925	1.2945	ppb	0.8958	69.2	-5.0947
Sr 216.596	144.723	ppb	0.6474	0.4	1803.16
Ti 334.941	87.4032	ppb	0.3126	0.4	28631.4
Tl 190.794	-0.6788	ppb	1.1495	169.4	-14.0916
V 292.401	17.2285	ppb	0.0722	0.4	495.701
Zn 206.200	29.9235	ppb	0.7013	2.3	31.1263

680-109475-g-2-a (Samp) **2/5/2015, 2:40:53 AM** **Rack 3, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	0.1405	0.2215	0.0637
Al 308.215	1984.99	1995.15	1993.25
As 188.980	1.5623	4.1537	1.4463
B 249.678	12.1640	12.1257	12.0424
Ba 389.178	13.0835	13.2225	13.1440
Be 313.042	0.0496	0.0446	0.0502
Ca 370.602	11838	11889	11916
Cd 226.502	0.1204	0.0973	0.2210
Co 228.615	0.8138	1.1954	1.2219
Cr 267.716	8.5373	8.4956	8.6341
Cu 324.754	2.7755	2.9739	2.8172
Fe 271.441	4780.58	4805.56	4805.46
K 766.491	516.624	518.495	518.107
Mg 279.078	913.706	912.719	913.125
Mn 257.610	13.4163	13.4855	13.4593
Mo 202.032	0.4512	0.8957	0.6708
Na 330.237	1682.79	1517.95	1645.74
Ni 231.604	2.8972	2.7110	3.5807
Pb 220.353	13.9883	11.5629	10.0515
Sb 206.834	0.7748	0.2173	2.7740
Se 196.026	-0.1546u	-2.0206u	3.9146
Sn 189.925	-1.7253u	-0.3701u	-0.9476u
Sr 216.596	76.6542	76.6931	76.9910
Ti 334.941	27.3191	27.3727	27.3736
Tl 190.794	0.8613	-0.2464u	2.4346
V 292.401	7.7935	7.5555	7.8018
Zn 206.200	126.420	127.512	127.887

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1419	ppb	0.0789	55.6	-0.2892
Al 308.215	1991.13	ppb	5.4029	0.3	15804.3
As 188.980	2.3874	ppb	1.5307	64.1	-2.6094
B 249.678	12.1107	ppb	0.0622	0.5	259.482
Ba 389.178	13.1500	ppb	0.0697	0.5	277.952
Be 313.042	0.0481	ppb	0.0030	6.3	-237.782
Ca 370.602	11881	ppb	39.50	0.3	37385
Cd 226.502	0.1462	ppb	0.0658	45.0	54.7191
Co 228.615	1.0770	ppb	0.2283	21.2	12.7045

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	8.5556	ppb	0.0710	0.8	525.466
Cu 324.754	2.8555	ppb	0.1046	3.7	409.341
Fe 271.441	4797.20	ppb	14.3940	0.3	8105.07
K 766.491	517.742	ppb	0.9878	0.2	25296.1
Mg 279.078	913.183	ppb	0.4960	0.1	2672.09
Mn 257.610	13.4537	ppb	0.0349	0.3	3320.06
Mo 202.032	0.6726	ppb	0.2223	33.0	10.0464
Na 330.237	1615.49	ppb	86.4811	5.4	112.118
Ni 231.604	3.0630	ppb	0.4579	15.0	5.2843
Pb 220.353	11.8676	ppb	1.9860	16.7	32.0405
Sb 206.834	1.2553	ppb	1.3444	107.1	-1.9670
Se 196.026	0.5798	ppb	3.0350	523.5	7.3932
Sn 189.925	-1.0143	ppb	0.6801	67.0	-6.8508
Sr 216.596	76.7794	ppb	0.1842	0.2	945.795
Ti 334.941	27.3551	ppb	0.0312	0.1	8934.05
Tl 190.794	1.0165	ppb	1.3472	132.5	-8.4560
V 292.401	7.7169	ppb	0.1399	1.8	217.882
Zn 206.200	127.273	ppb	0.7619	0.6	135.246

680-109475-g-4-a (Samp) **2/5/2015, 2:45:29 AM** **Rack 3, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	0.1970	-0.0723u	0.1559
Al 308.215	6683.35	6692.33	6670.27
As 188.980	-7.1550u	-2.4512u	-0.8696u
B 249.678	13.5650	13.0406	13.3347
Ba 389.178	11.2944	11.3954	12.0054
Be 313.042	0.0782	0.0791	0.0771
Ca 370.602	5342	5330	5313
Cd 226.502	-0.1343	-0.1002	-0.1105
Co 228.615	0.3906	0.0942	0.2201
Cr 267.716	10.2872	10.0117	10.2683
Cu 324.754	2.9936	3.2364	2.9222
Fe 271.441	4600.26	4597.95	4595.06
K 766.491	1260.45	1263.59	1260.28
Mg 279.078	975.028	978.163	979.646
Mn 257.610	53.7672	53.8951	53.7866
Mo 202.032	1.2258	0.9508	1.2410
Na 330.237	3360.92	3407.67	3323.27
Ni 231.604	2.6870	2.7170	1.0666
Pb 220.353	3.8391	4.1010	6.4732
Sb 206.834	-1.8334u	3.0983	2.6750
Se 196.026	9.7030	0.0965	-7.8045u
Sn 189.925	-0.7262u	2.5730	0.9008
Sr 216.596	45.1003	45.4554	45.2034
Ti 334.941	192.700	194.747	194.304
Tl 190.794	1.2525	1.2678	-1.1255u
V 292.401	11.3539	11.1832	11.0827
Zn 206.200	18.8979	18.0575	17.6617

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0935	ppb	0.1450	155.1	-3.2988
Al 308.215	6681.98	ppb	11.0948	0.2	52269.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-3.4919	ppb	3.2694	93.6	-6.7025
B 249.678	13.3134	ppb	0.2629	2.0	282.841
Ba 389.178	11.5651	ppb	0.3847	3.3	239.684
Be 313.042	0.0781	ppb	0.0010	1.3	-180.645
Ca 370.602	5328	ppb	14.90	0.3	16838
Cd 226.502	-0.1150	ppb	0.0175	15.2	41.4261
Co 228.615	0.2350	ppb	0.1488	63.3	6.4538
Cr 267.716	10.1891	ppb	0.1539	1.5	619.996
Cu 324.754	3.0508	ppb	0.1647	5.4	424.171
Fe 271.441	4597.76	ppb	2.6041	0.1	7768.33
K 766.491	1261.44	ppb	1.8638	0.1	61160.0
Mg 279.078	977.613	ppb	2.3577	0.2	2856.59
Mn 257.610	53.8163	ppb	0.0689	0.1	13015.9
Mo 202.032	1.1392	ppb	0.1633	14.3	13.2719
Na 330.237	3363.95	ppb	42.2835	1.3	210.921
Ni 231.604	2.1569	ppb	0.9443	43.8	2.3210
Pb 220.353	4.8044	ppb	1.4511	30.2	20.5470
Sb 206.834	1.3133	ppb	2.7333	208.1	-1.8743
Se 196.026	0.6650	ppb	8.7676	1318.4	7.4420
Sn 189.925	0.9159	ppb	1.6496	180.1	-5.3824
Sr 216.596	45.2531	ppb	0.1827	0.4	560.047
Ti 334.941	193.917	ppb	1.0772	0.6	63559.2
Tl 190.794	0.4649	ppb	1.3774	296.3	-9.0279
V 292.401	11.2066	ppb	0.1371	1.2	324.677
Zn 206.200	18.2057	ppb	0.6313	3.5	19.5130

Cont Calib Verif (CCV) **2/5/2015, 2:50:04 AM** **Rack 3, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	452.792	455.587	454.883
Al 308.215	4619.94	4612.21	4605.56
As 188.980	467.283	466.067	469.957
B 249.678	470.609	469.485	470.425
Ba 389.178	4495.39	4489.99	4490.80
Be 313.042	475.738	473.246	473.515
Ca 370.602	4556	4540	4531
Cd 226.502	463.182	461.100	461.430
Co 228.615	474.057	470.914	471.875
Cr 267.716	4722.55	4713.03	4714.08
Cu 324.754	4818.26	4853.49	4876.52
Fe 271.441	4556.67	4545.38	4540.58
K 766.491	9992.07	10000.0	9981.45
Mg 279.078	4752.23	4734.89	4732.89
Mn 257.610	4838.47	4802.49	4810.47
Mo 202.032	457.890	456.060	454.294
Na 330.237	7381.26	7476.00	7733.83
Ni 231.604	2385.38	2372.43	2374.83
Pb 220.353	470.754	468.330	466.884
Sb 206.834	920.185	913.291	919.095
Se 196.026	4755.44	4691.56	4694.92
Sn 189.925	4615.90	4625.60	4626.55
Sr 216.596	2284.99	2273.55	2274.07
Ti 334.941	437.953	436.974	437.226

Label	Replicates Concentration		
Tl 190.794	4722.38	4671.08	4685.97
V 292.401	4707.65	4693.77	4701.25
Zn 206.200	2327.20	2325.44	2323.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	454.421	ppb	1.4536	0.3	42323.7	90.88412
Al 308.215	4612.57	ppb	7.1956	0.2	36911.3	92.25142
As 188.980	467.769	ppb	1.9903	0.4	321.343	93.55378
B 249.678	470.173	ppb	0.6028	0.1	8967.30	94.03460
Ba 389.178	4492.06	ppb	2.9117	0.1	108410	89.84118Q
Be 313.042	474.166	ppb	1.3677	0.3	937776	94.83328
Ca 370.602	4542	ppb	12.28	0.3	14660	90.84769
Cd 226.502	461.904	ppb	1.1189	0.2	21258.8	92.38081
Co 228.615	472.282	ppb	1.6108	0.3	5552.04	94.45641
Cr 267.716	4716.55	ppb	5.2181	0.1	271364	94.33102
Cu 324.754	4849.42	ppb	29.3438	0.6	371514	96.98842
Fe 271.441	4547.54	ppb	8.2593	0.2	7784.31	90.95083
K 766.491	9991.18	ppb	9.3191	0.1	482143	99.91177
Mg 279.078	4740.00	ppb	10.6342	0.2	13690.9	94.80004
Mn 257.610	4817.14	ppb	18.8960	0.4	1157314	96.34288
Mo 202.032	456.081	ppb	1.7983	0.4	3147.40	91.21627
Na 330.237	7530.36	ppb	182.463	2.4	384.152	100.40481
Ni 231.604	2377.55	ppb	6.8880	0.3	7732.16	95.10195
Pb 220.353	468.656	ppb	1.9556	0.4	768.863	93.73116
Sb 206.834	917.524	ppb	3.7060	0.4	1358.61	91.75236
Se 196.026	4713.98	ppb	35.9505	0.8	2279.56	94.27950
Sn 189.925	4622.68	ppb	5.8908	0.1	3509.16	92.45364
Sr 216.596	2277.54	ppb	6.4632	0.3	27601.6	91.10146
Ti 334.941	437.384	ppb	0.5083	0.1	143413	87.47688Q
Tl 190.794	4693.14	ppb	26.3941	0.6	5343.57	93.86287
V 292.401	4700.89	ppb	6.9461	0.1	141821	94.01781
Zn 206.200	2325.23	ppb	2.0755	0.1	2458.27	93.00934

Cont Calib Blank (CCB) **2/5/2015, 2:54:40 AM** **Rack 3, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0458	-0.1024u	0.2398
Al 308.215	-0.4469u	-0.2195u	0.5625
As 188.980	-5.9674u	-2.4848u	-0.7431u
B 249.678	1.9774	1.9005	1.7661
Ba 389.178	0.2313	0.6372	-0.0817u
Be 313.042	0.0124	0.0203	0.0248
Ca 370.602	5.384	2.468	2.838
Cd 226.502	0.0361	-0.0183u	0.0202
Co 228.615	-0.5403u	-0.2649u	0.2149
Cr 267.716	-0.1741u	-0.1104u	-0.0481u
Cu 324.754	0.0567	0.3907	0.2920
Fe 271.441	1.4806	-1.4378u	1.2992
K 766.491	0.6987	0.3273	1.1955
Mg 279.078	1.8778	0.5890	3.6784
Mn 257.610	0.1476	0.1686	0.2611
Mo 202.032	0.4204	0.0201	0.2230
Na 330.237	79.2188	115.959	76.2134

Label	Replicates Concentration		
Ni 231.604	0.5951	0.1586	0.0612
Pb 220.353	0.2144	-2.0892u	-2.0166u
Sb 206.834	4.5435	4.3258	1.9668
Se 196.026	-6.4206u	2.0189	3.9352
Sn 189.925	2.5360	3.4706	0.2829
Sr 216.596	0.1386	-0.0202u	0.3663
Ti 334.941	0.0807	0.1339	0.1133
Tl 190.794	2.5987	1.5320	2.4664
V 292.401	0.1989	0.3867	0.5450
Zn 206.200	0.9323	0.6243	-0.5738u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0611	ppb	0.1716	281.0	-4.1144	0.06109
Al 308.215	-0.0347	ppb	0.5295	1527.1	324.151	-0.03467
As 188.980	-3.0651	ppb	2.6601	86.8	-6.3734	-3.06511
B 249.678	1.8813	ppb	0.1069	5.7	78.0638	1.88132
Ba 389.178	0.2623	ppb	0.3604	137.4	-39.2272	0.26229
Be 313.042	0.0192	ppb	0.0063	32.7	-299.881	0.01917
Ca 370.602	3.563	ppb	1.587	44.5	26.77	3.56325
Cd 226.502	0.0127	ppb	0.0280	220.5	24.9118	0.01268
Co 228.615	-0.1968	ppb	0.3822	194.2	-3.2043	-0.19678
Cr 267.716	-0.1108	ppb	0.0630	56.8	24.2983	-0.11084
Cu 324.754	0.2465	ppb	0.1716	69.6	207.455	0.24648
Fe 271.441	0.4473	ppb	1.6351	365.5	6.6822	0.44733
K 766.491	0.7405	ppb	0.4356	58.8	364.278	0.74048
Mg 279.078	2.0484	ppb	1.5517	75.8	24.4902	2.04841
Mn 257.610	0.1924	ppb	0.0604	31.4	110.413	0.19241
Mo 202.032	0.2212	ppb	0.2001	90.5	7.1686	0.22116
Na 330.237	90.4638	ppb	22.1308	24.5	32.6846	90.46383
Ni 231.604	0.2716	ppb	0.2843	104.7	-4.2297	0.27159
Pb 220.353	-1.2972	ppb	1.3095	101.0	10.6218	-1.29716
Sb 206.834	3.6120	ppb	1.4290	39.6	1.2003	3.61200
Se 196.026	-0.1555	ppb	5.5097	3543.8	6.9901	-0.15547
Sn 189.925	2.0965	ppb	1.6387	78.2	-4.4857	2.09650
Sr 216.596	0.1616	ppb	0.1943	120.2	4.2195	0.16159
Ti 334.941	0.1093	ppb	0.0268	24.5	-3.8374	0.10933
Tl 190.794	2.1990	ppb	0.5814	26.4	-6.3497	2.19903
V 292.401	0.3769	ppb	0.1733	46.0	-1.7801	0.37686
Zn 206.200	0.3276	ppb	0.7957	242.9	0.7213	0.32763

680-109475-g-5-a (Samp) **2/5/2015, 2:59:16 AM** **Rack 3, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	0.2577	0.0359u	-0.0805u
Al 308.215	1323.09	1319.52	1317.00
As 188.980	3.6774	-3.2662u	1.1848
B 249.678	13.4352	13.1946	13.3575
Ba 389.178	10.0924	10.7541	11.4496
Be 313.042	0.0256	0.0158	0.0163
Ca 370.602	25027	24897	24827
Cd 226.502	-0.0780	0.0095	0.0811
Co 228.615	-0.1421u	-0.2743u	-0.0224
Cr 267.716	7.3895	7.2791	7.2303

Label	Replicates Concentration		
Cu 324.754	4.7899	4.7671	4.9689
Fe 271.441	7856.70	7833.64	7825.27
K 766.491	942.760	943.503	944.550
Mg 279.078	589.032	590.291	588.317
Mn 257.610	17.8445	17.8393	17.8133
Mo 202.032	2.0286	1.1478	1.4203
Na 330.237	1510.01	1591.19	1620.61
Ni 231.604	1.2110	1.1519	1.2710
Pb 220.353	11.3620	7.8870	10.2446
Sb 206.834	6.1231	3.2238	1.5474
Se 196.026	4.5436	5.5724	-3.8758u
Sn 189.925	1.9637	-0.2536u	0.5974
Sr 216.596	135.289	135.050	134.954
Ti 334.941	35.8097	37.1458	35.6431
Tl 190.794	1.9088	-3.2164u	-1.8395u
V 292.401	6.4648	6.3169	6.2811
Zn 206.200	175.346	171.277	177.248

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0710	ppb	0.1718	241.9	-9.6744
Al 308.215	1319.87	ppb	3.0582	0.2	10586.4
As 188.980	0.5320	ppb	3.5175	661.2	-3.9227
B 249.678	13.3291	ppb	0.1228	0.9	274.588
Ba 389.178	10.7654	ppb	0.6787	6.3	222.198
Be 313.042	0.0192	ppb	0.0055	28.8	-290.158
Ca 370.602	24917	ppb	101.5	0.4	78402
Cd 226.502	0.0042	ppb	0.0797	1917.2	63.2330
Co 228.615	-0.1463	ppb	0.1260	86.1	-1.2854
Cr 267.716	7.2996	ppb	0.0815	1.1	454.805
Cu 324.754	4.8419	ppb	0.1105	2.3	562.905
Fe 271.441	7838.54	ppb	16.2775	0.2	13239.5
K 766.491	943.604	ppb	0.8990	0.1	45832.9
Mg 279.078	589.213	ppb	0.9992	0.2	1730.47
Mn 257.610	17.8324	ppb	0.0167	0.1	4379.43
Mo 202.032	1.5322	ppb	0.4509	29.4	15.8347
Na 330.237	1573.94	ppb	57.2870	3.6	107.869
Ni 231.604	1.2113	ppb	0.0596	4.9	-0.4654
Pb 220.353	9.8312	ppb	1.7740	18.0	28.9840
Sb 206.834	3.6315	ppb	2.3149	63.7	1.4449
Se 196.026	2.0801	ppb	5.1835	249.2	8.1461
Sn 189.925	0.7692	ppb	1.1186	145.4	-5.4946
Sr 216.596	135.097	ppb	0.1725	0.1	1663.42
Ti 334.941	36.1996	ppb	0.8237	2.3	11834.4
Tl 190.794	-1.0490	ppb	2.6525	252.8	-11.3104
V 292.401	6.3543	ppb	0.0974	1.5	175.351
Zn 206.200	174.624	ppb	3.0500	1.7	185.390

680-109475-j-6-a (Samp) **2/5/2015, 3:03:52 AM** **Rack 3, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	0.0361	-0.0684u	-0.0097u
Al 308.215	2.9735	3.4433	1.5137
As 188.980	-3.8084u	-1.7583u	-3.0338u

Label	Replicates Concentration		
B 249.678	27.1499	27.4247	26.9411
Ba 389.178	0.3270	-0.1283u	-0.1023u
Be 313.042	0.0025	0.0003	0.0006
Ca 370.602	6.312	7.487	5.568
Cd 226.502	0.0735	-0.0064u	0.0655
Co 228.615	0.1415	-0.1820u	-0.0687u
Cr 267.716	0.1483	0.1151	0.0964
Cu 324.754	-0.1309u	-0.0726u	0.1975
Fe 271.441	0.7373	2.9767	3.3874
K 766.491	1.3333	1.6344	1.6003
Mg 279.078	2.0443	1.5645	1.5560
Mn 257.610	0.0492	0.0499	0.0813
Mo 202.032	-0.1814u	-0.2846u	0.3242
Na 330.237	208.419	106.706	174.996
Ni 231.604	0.5057	-0.5675u	0.0720
Pb 220.353	0.5613	-0.7964u	1.6742
Sb 206.834	0.4638	4.8113	0.4391
Se 196.026	-10.7926u	3.5971	-1.9209u
Sn 189.925	2.0077	2.7356	-0.0285u
Sr 216.596	0.0488	-0.0144u	0.3989
Ti 334.941	0.0895	0.0434	0.0925
Tl 190.794	-0.2515u	-0.5343u	-1.1544u
V 292.401	0.4285	0.3417	0.0669
Zn 206.200	0.5881	1.6891	2.3001

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0140	ppb	0.0524	374.4	-11.1119
Al 308.215	2.6435	ppb	1.0062	38.1	344.952
As 188.980	-2.8668	ppb	1.0352	36.1	-6.2352
B 249.678	27.1719	ppb	0.2425	0.9	557.965
Ba 389.178	0.0321	ppb	0.2557	796.2	-44.7817
Be 313.042	0.0011	ppb	0.0012	104.3	-335.523
Ca 370.602	6.456	ppb	0.9672	15.0	35.86
Cd 226.502	0.0442	ppb	0.0440	99.5	26.3598
Co 228.615	-0.0364	ppb	0.1641	450.8	-1.3125
Cr 267.716	0.1199	ppb	0.0263	21.9	37.5777
Cu 324.754	-0.0020	ppb	0.1752	8743.5	188.416
Fe 271.441	2.3671	ppb	1.4264	60.3	9.9502
K 766.491	1.5227	ppb	0.1649	10.8	401.999
Mg 279.078	1.7216	ppb	0.2795	16.2	23.5423
Mn 257.610	0.0602	ppb	0.0183	30.5	78.6523
Mo 202.032	-0.0473	ppb	0.3258	689.2	5.3164
Na 330.237	163.374	ppb	51.8431	31.7	36.6595
Ni 231.604	0.0034	ppb	0.5398	15864.7	-5.1031
Pb 220.353	0.4797	ppb	1.2373	257.9	13.4736
Sb 206.834	1.9047	ppb	2.5172	132.2	-1.2265
Se 196.026	-3.0388	ppb	7.2597	238.9	5.6008
Sn 189.925	1.5716	ppb	1.4327	91.2	-4.8848
Sr 216.596	0.1444	ppb	0.2226	154.1	4.0181
Ti 334.941	0.0751	ppb	0.0275	36.7	-15.0590
Tl 190.794	-0.6467	ppb	0.4618	71.4	-9.5881
V 292.401	0.2790	ppb	0.1887	67.6	-4.6940
Zn 206.200	1.5258	ppb	0.8676	56.9	1.9923

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680-109475-j-8-a (Samp) **2/5/2015, 3:08:28 AM** **Rack 3, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	0.0460u	0.1042	-0.0476u
Al 308.215	619.459	613.455	616.197
As 188.980	-1.1200u	-1.5032u	2.6304
B 249.678	29.4473	29.6068	29.7948
Ba 389.178	25.4572	25.0235	25.9042
Be 313.042	0.0681	0.0677	0.0672
Ca 370.602	18358	18385	18319
Cd 226.502	13.1630	13.1557	13.1951
Co 228.615	0.2255	0.2754	-0.3506u
Cr 267.716	2.9771	3.0574	3.0203
Cu 324.754	2.7607	2.6480	2.5209
Fe 271.441	603.989	606.391	608.294
K 766.491	3026.31	3034.78	3040.05
Mg 279.078	2664.57	2662.55	2658.37
Mn 257.610	15.5765	15.6385	15.6405
Mo 202.032	0.7967	0.8494	-0.2421u
Na 330.237	88304.7	88171.7	88561.9
Ni 231.604	1.5215	2.3949	1.9330
Pb 220.353	1.1842	-1.5046u	3.3429
Sb 206.834	0.1306	-0.7734u	-1.0424u
Se 196.026	1.7906	2.3488	-0.8458u
Sn 189.925	0.2317	-1.8236u	0.6509
Sr 216.596	127.133	127.094	128.228
Ti 334.941	11.0902	11.0879	11.5919
Tl 190.794	-2.5385u	1.4322	-0.8799u
V 292.401	1.9789	1.9768	2.0723
Zn 206.200	145.677	149.772	147.697

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0342	ppb	0.0766	224.0	-11.4964
Al 308.215	616.371	ppb	3.0057	0.5	5116.16
As 188.980	0.0024	ppb	2.2840	95551.2	-4.2414
B 249.678	29.6163	ppb	0.1740	0.6	602.718
Ba 389.178	25.4616	ppb	0.4404	1.7	575.590
Be 313.042	0.0677	ppb	0.0004	0.6	-207.357
Ca 370.602	18354	ppb	33.18	0.2	57807
Cd 226.502	13.1713	ppb	0.0210	0.2	631.615
Co 228.615	0.0501	ppb	0.3479	694.5	-0.0120
Cr 267.716	3.0182	ppb	0.0402	1.3	206.417
Cu 324.754	2.6432	ppb	0.1200	4.5	391.261
Fe 271.441	606.224	ppb	2.1573	0.4	1029.44
K 766.491	3033.72	ppb	6.9336	0.2	146626
Mg 279.078	2661.83	ppb	3.1609	0.1	7755.97
Mn 257.610	15.6185	ppb	0.0364	0.2	3840.84
Mo 202.032	0.4680	ppb	0.6155	131.5	8.8413
Na 330.237	88346.1	ppb	198.332	0.2	4879.87
Ni 231.604	1.9498	ppb	0.4369	22.4	1.2863
Pb 220.353	1.0075	ppb	2.4286	241.0	14.3519
Sb 206.834	-0.5617	ppb	0.6145	109.4	-4.7019
Se 196.026	1.0979	ppb	1.7063	155.4	7.6034
Sn 189.925	-0.3137	ppb	1.3243	422.2	-6.2904
Sr 216.596	127.485	ppb	0.6435	0.5	1558.77

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	11.2567	ppb	0.2903	2.6	3649.61
Tl 190.794	-0.6621	ppb	1.9943	301.2	-9.6943
V 292.401	2.0093	ppb	0.0545	2.7	46.4967
Zn 206.200	147.716	ppb	2.0475	1.4	157.095

680-109475-j-9-a (Samp) **2/5/2015, 3:13:04 AM** **Rack 3, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	0.1084u	0.2419	0.5887
Al 308.215	10225.6	10219.0	10218.1
As 188.980	12.4693	10.7578	10.9506
B 249.678	31.2035	31.4709	31.6357
Ba 389.178	8.5305	8.7369	7.8022
Be 313.042	0.0568	0.0607	0.0533
Ca 370.602	33744	33640	33704
Cd 226.502	-0.0712	-0.1873	-0.1421
Co 228.615	-0.6477u	-0.2685	-0.1672
Cr 267.716	9.5955	9.5931	9.6833
Cu 324.754	7.4852	7.3980	7.6508
Fe 271.441	11078.3	11088.4	11086.9
K 766.491	4438.20	4439.62	4434.66
Mg 279.078	4085.61	4082.84	4091.89
Mn 257.610	13.8859	13.8490	13.9181
Mo 202.032	4.6469	4.9026	4.8998
Na 330.237	4684.87	4603.94	4756.05
Ni 231.604	2.2096	2.2306	2.9904
Pb 220.353	4.1703	4.1914	3.9628
Sb 206.834	0.9826	2.9160	2.1135
Se 196.026	46.5605	34.7164	40.0668
Sn 189.925	1.3184	3.9205	-0.8800u
Sr 216.596	236.891	237.949	238.135
Ti 334.941	154.634	154.507	155.092
Tl 190.794	1.6443	-0.3726u	-0.7162u
V 292.401	12.3028	12.0010	12.1237
Zn 206.200	41.6717	42.2750	41.0839

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3130	ppb	0.2479	79.2	8.4345
Al 308.215	10220.9	ppb	4.1003	0.0	79780.4
As 188.980	11.3926	ppb	0.9375	8.2	3.6172
B 249.678	31.4367	ppb	0.2181	0.7	609.596
Ba 389.178	8.3565	ppb	0.4910	5.9	174.754
Be 313.042	0.0569	ppb	0.0037	6.5	-212.301
Ca 370.602	33696	ppb	52.53	0.2	106068
Cd 226.502	-0.1335	ppb	0.0585	43.8	72.7748
Co 228.615	-0.3612	ppb	0.2533	70.1	-1.0586
Cr 267.716	9.6239	ppb	0.0514	0.5	590.552
Cu 324.754	7.5113	ppb	0.1284	1.7	768.848
Fe 271.441	11084.5	ppb	5.4366	0.0	18719.6
K 766.491	4437.49	ppb	2.5568	0.1	214322
Mg 279.078	4086.78	ppb	4.6363	0.1	11894.5
Mn 257.610	13.8843	ppb	0.0346	0.2	3472.05
Mo 202.032	4.8164	ppb	0.1469	3.0	38.3358

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	4681.62	ppb	76.1029	1.6	281.021
Ni 231.604	2.4769	ppb	0.4449	18.0	3.9497
Pb 220.353	4.1082	ppb	0.1263	3.1	19.8278
Sb 206.834	2.0040	ppb	0.9714	48.5	-0.8414
Se 196.026	40.4479	ppb	5.9312	14.7	26.6626
Sn 189.925	1.4530	ppb	2.4031	165.4	-4.9736
Sr 216.596	237.658	ppb	0.6707	0.3	2916.85
Ti 334.941	154.745	ppb	0.3078	0.2	50719.7
Tl 190.794	0.1852	ppb	1.2753	688.7	-10.4380
V 292.401	12.1425	ppb	0.1518	1.3	349.154
Zn 206.200	41.6769	ppb	0.5955	1.4	44.1960

680-109475-g-10-a (Samp) **2/5/2015, 3:17:39 AM** **Rack 3, Tube 31**

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

Label	Replicates Concentration		
Ag 328.068	0.1911	0.1487	0.1072
Al 308.215	3413.79	3403.02	3408.26
As 188.980	-0.0248u	-4.5543u	1.4160
B 249.678	25.0943	25.4273	25.3203
Ba 389.178	14.3298	14.5509	14.5455
Be 313.042	0.0367	0.0422	0.0406
Ca 370.602	7713	7757	7758
Cd 226.502	0.0965	-0.0121	-0.0312
Co 228.615	-0.0218	0.1917	-0.0888
Cr 267.716	10.3604	10.4017	10.6008
Cu 324.754	21.9073	21.9123	22.0945
Fe 271.441	6376.47	6393.75	6380.86
K 766.491	1050.84	1044.37	1047.45
Mg 279.078	3291.44	3289.39	3292.20
Mn 257.610	53.6350	53.6976	53.6769
Mo 202.032	1.0233	1.2207	1.4167
Na 330.237	109498x	109458x	109403x
Ni 231.604	1.7380	2.5634	1.6917
Pb 220.353	6.8064	4.8240	5.3292
Sb 206.834	-0.6594u	1.6541	0.9297
Se 196.026	6.5442	1.9788	4.1852
Sn 189.925	1.5122	1.0975	-0.2642u
Sr 216.596	37.4221	37.9933	38.0801
Ti 334.941	131.456	130.780	131.564
Tl 190.794	2.3720	-2.4566u	1.3863
V 292.401	8.6607	8.5026	8.2865
Zn 206.200	20.8768	21.8166	21.3812

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1490b	ppb	0.0419	28.1	1.7340
Al 308.215	3408.36b	ppb	5.3867	0.2	26821.6
As 188.980	-1.0544b	ppb	3.1155	295.5	-5.0173
B 249.678	25.2806b	ppb	0.1700	0.7	505.208
Ba 389.178	14.4754b	ppb	0.1261	0.9	316.677
Be 313.042	0.0398b	ppb	0.0028	7.0	-268.752
Ca 370.602	7742b	ppb	25.71	0.3	24388
Cd 226.502	0.0177b	ppb	0.0688	388.4	55.7592
Co 228.615	0.0270b	ppb	0.1465	542.3	2.7559

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	10.4543b	ppb	0.1285	1.2	638.224
Cu 324.754	21.9714b	ppb	0.1067	0.5	1873.99
Fe 271.441	6383.69b	ppb	8.9816	0.1	10783.4
K 766.491	1047.56b	ppb	3.2341	0.3	50845.8
Mg 279.078	3291.01b	ppb	1.4512	0.0	9583.06
Mn 257.610	53.6698b	ppb	0.0319	0.1	13006.0
Mo 202.032	1.2203b	ppb	0.1967	16.1	13.7495
Na 330.237	109453xb	ppb	47.7055	0.0	6041.50
Ni 231.604	1.9977b	ppb	0.4905	24.6	1.9625
Pb 220.353	5.6532b	ppb	1.0301	18.2	22.1105
Sb 206.834	0.6415b	ppb	1.1834	184.5	-2.7955
Se 196.026	4.2361b	ppb	2.2831	53.9	9.1795
Sn 189.925	0.7819b	ppb	0.9293	118.9	-5.4506
Sr 216.596	37.8318b	ppb	0.3575	0.9	473.200
Ti 334.941	131.266b	ppb	0.4252	0.3	43007.9
Tl 190.794	0.4339b	ppb	2.5513	588.0	-9.3590
V 292.401	8.4833b	ppb	0.1879	2.2	240.179
Zn 206.200	21.3582b	ppb	0.4703	2.2	22.7961

680-109475-g-11-a (Samp) **2/5/2015, 3:22:15 AM** **Rack 3, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	0.0366u	0.1587	0.0880
Al 308.215	4339.56	4337.25	4337.04
As 188.980	1.3725	2.5296	2.6722
B 249.678	59.0634	59.1667	59.6688
Ba 389.178	11.3763	12.5515	11.7766
Be 313.042	0.0620	0.0642	0.0570
Ca 370.602	10323	10322	10340
Cd 226.502	-0.1402	0.0323	-0.0166
Co 228.615	0.2822	0.4183	0.1249
Cr 267.716	8.3948	8.4035	8.3579
Cu 324.754	5.7536	5.8774	5.8402
Fe 271.441	20348.1	20324.5	20393.0
K 766.491	862.225	859.999	862.077
Mg 279.078	2388.89	2390.08	2388.76
Mn 257.610	103.675	103.652	103.807
Mo 202.032	1.7537	1.8355	2.0466
Na 330.237	67046.5	66953.4	66964.0
Ni 231.604	1.2309	2.0866	1.9897
Pb 220.353	5.1713	3.2793	4.3798
Sb 206.834	-0.1499	2.5126	2.9916
Se 196.026	2.0593	5.8898	7.6096
Sn 189.925	-2.5303u	-1.4628u	0.8538
Sr 216.596	69.5554	69.2132	70.2384
Ti 334.941	73.7515	74.0221	73.9277
Tl 190.794	0.3074u	-3.3174u	0.8133u
V 292.401	9.1586	9.4676	9.5122
Zn 206.200	52.1825	50.7322	52.0513

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0945	ppb	0.0613	64.9	-6.8987
Al 308.215	4337.95	ppb	1.4001	0.0	34049.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2.1915	ppb	0.7128	32.5	-2.8533
B 249.678	59.2996	ppb	0.3239	0.5	1113.79
Ba 389.178	11.9015	ppb	0.5975	5.0	264.174
Be 313.042	0.0611	ppb	0.0037	6.1	-221.126
Ca 370.602	10328	ppb	10.23	0.1	32343
Cd 226.502	-0.0415	ppb	0.0889	214.1	122.563
Co 228.615	0.2751	ppb	0.1468	53.4	5.3635
Cr 267.716	8.3854	ppb	0.0242	0.3	525.560
Cu 324.754	5.8237	ppb	0.0635	1.1	643.738
Fe 271.441	20355.2	ppb	34.7541	0.2	34370.9
K 766.491	861.434	ppb	1.2446	0.1	41870.3
Mg 279.078	2389.24	ppb	0.7316	0.0	6960.11
Mn 257.610	103.711	ppb	0.0832	0.1	25066.1
Mo 202.032	1.8786	ppb	0.1512	8.0	17.6242
Na 330.237	66988.0	ppb	50.9790	0.1	3702.92
Ni 231.604	1.7691	ppb	0.4685	26.5	2.4768
Pb 220.353	4.2768	ppb	0.9502	22.2	20.8796
Sb 206.834	1.7848	ppb	1.6925	94.8	-0.9455
Se 196.026	5.1862	ppb	2.8412	54.8	9.7824
Sn 189.925	-1.0464	ppb	1.7301	165.3	-6.8544
Sr 216.596	69.6690	ppb	0.5219	0.7	879.356
Ti 334.941	73.9004	ppb	0.1373	0.2	24198.2
Tl 190.794	-0.7322	ppb	2.2531	307.7	-12.9403
V 292.401	9.3795	ppb	0.1925	2.1	261.259
Zn 206.200	51.6554	ppb	0.8022	1.6	54.4660

680-109475-g-12-a (Samp) **2/5/2015, 3:26:51 AM** **Rack 3, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	0.0410u	0.2754	0.0486
Al 308.215	2200.97	2200.31	2212.76
As 188.980	0.0886u	2.3579	4.5916
B 249.678	30.3901	30.4390	30.4734
Ba 389.178	9.2409	9.6064	9.4756
Be 313.042	0.0311	0.0278	0.0361
Ca 370.602	5814	5836	5850
Cd 226.502	-0.2109	-0.2295	-0.2323
Co 228.615	0.2820	0.0982	-0.1435
Cr 267.716	16.4810	16.3034	16.4272
Cu 324.754	3.0817	2.8892	2.7918
Fe 271.441	14755.5	14772.5	14737.1
K 766.491	824.846	823.281	822.884
Mg 279.078	2083.44	2087.72	2086.07
Mn 257.610	47.7818	47.9015	47.9925
Mo 202.032	1.2152	1.7211	1.5556
Na 330.237	35320.1	35277.3	35200.7
Ni 231.604	2.2655	3.2955	2.8148
Pb 220.353	12.4922	11.6849	12.7290
Sb 206.834	1.4673	1.6849	0.8613
Se 196.026	6.1213	-0.0183	-3.8559u
Sn 189.925	-0.0408u	0.7161	2.2835
Sr 216.596	37.1146	35.8347	36.7253
Ti 334.941	87.2544	87.1677	86.4993

Label	Replicates Concentration		
Tl 190.794	0.5050u	1.5886u	-0.6902u
V 292.401	11.6982	11.6580	11.6731
Zn 206.200	6.7948	7.1639	6.2880

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1217	ppb	0.1332	109.4	-2.3672
Al 308.215	2204.68	ppb	7.0080	0.3	17466.3
As 188.980	2.3460	ppb	2.2515	96.0	-2.7072
B 249.678	30.4342	ppb	0.0418	0.1	580.762
Ba 389.178	9.4410	ppb	0.1852	2.0	199.447
Be 313.042	0.0317	ppb	0.0041	13.1	-277.050
Ca 370.602	5833	ppb	18.23	0.3	18258
Cd 226.502	-0.2242	ppb	0.0116	5.2	86.7783
Co 228.615	0.0789	ppb	0.2134	270.4	2.9850
Cr 267.716	16.4039	ppb	0.0911	0.6	983.087
Cu 324.754	2.9209	ppb	0.1475	5.1	418.854
Fe 271.441	14755.0	ppb	17.7145	0.1	24916.4
K 766.491	823.670	ppb	1.0374	0.1	40049.2
Mg 279.078	2085.74	ppb	2.1588	0.1	6079.91
Mn 257.610	47.8919	ppb	0.1056	0.2	11636.0
Mo 202.032	1.4973	ppb	0.2579	17.2	15.2564
Na 330.237	35266.0	ppb	60.4644	0.2	1961.93
Ni 231.604	2.7920	ppb	0.5154	18.5	5.3037
Pb 220.353	12.3020	ppb	0.5474	4.4	33.3968
Sb 206.834	1.3379	ppb	0.4268	31.9	-1.5763
Se 196.026	0.7490	ppb	5.0326	671.9	7.5781
Sn 189.925	0.9863	ppb	1.1855	120.2	-5.3188
Sr 216.596	36.5582	ppb	0.6561	1.8	468.044
Ti 334.941	86.9738	ppb	0.4132	0.5	28487.1
Tl 190.794	0.4678	ppb	1.1399	243.7	-10.6898
V 292.401	11.6764	ppb	0.0203	0.2	333.118
Zn 206.200	6.7489	ppb	0.4398	6.5	6.9906

680-109474-e-1-b (Samp) **2/5/2015, 3:31:27 AM** **Rack 3, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	-0.0981u	0.3230	0.2157
Al 308.215	18.2632	18.3341	16.7984
As 188.980	0.1358	-5.9998u	-3.9967u
B 249.678	31.6730	31.2552	30.7905
Ba 389.178	31.6282	31.8377	32.5515
Be 313.042	0.0140	0.0165	0.0140
Ca 370.602	10049	10030	10005
Cd 226.502	-0.0136u	0.0685	-0.1284u
Co 228.615	-0.3557u	-0.0662u	-0.0477u
Cr 267.716	0.5457	0.6798	0.4857
Cu 324.754	10.0446	9.9338	9.8630
Fe 271.441	24.6742	26.7429	24.0295
K 766.491	1626.03	1626.77	1629.44
Mg 279.078	5717.60	5714.22	5702.53
Mn 257.610	29.8245	29.8037	29.7532
Mo 202.032	0.4675	0.1250	0.0015
Na 330.237	6978.09	6887.35	6977.33

Label	Replicates Concentration		
Ni 231.604	3.2705	3.3936	2.6016
Pb 220.353	1.8611	1.7990	2.2685
Sb 206.834	-1.1097u	-0.8008u	0.3486
Se 196.026	0.4942	1.0310	-7.1920u
Sn 189.925	-1.5381u	-2.8623u	0.1516
Sr 216.596	95.3648	94.9982	95.1795
Ti 334.941	0.6526	0.5794	0.6188
Tl 190.794	1.0708	-1.7695u	-1.1200u
V 292.401	1.2792	1.1670	1.1342
Zn 206.200	10.4095	12.6483	11.2580

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1468	ppb	0.2189	149.0	0.3676
Al 308.215	17.7986	ppb	0.8669	4.9	462.912
As 188.980	-3.2869	ppb	3.1288	95.2	-6.5280
B 249.678	31.2396	ppb	0.4414	1.4	635.048
Ba 389.178	32.0058	ppb	0.4841	1.5	740.005
Be 313.042	0.0148	ppb	0.0014	9.8	-305.594
Ca 370.602	10028	ppb	22.18	0.2	31592
Cd 226.502	-0.0245	ppb	0.0989	403.5	23.3677
Co 228.615	-0.1565	ppb	0.1727	110.3	-2.7102
Cr 267.716	0.5704	ppb	0.0994	17.4	63.7929
Cu 324.754	9.9471	ppb	0.0915	0.9	950.339
Fe 271.441	25.1489	ppb	1.4176	5.6	48.3976
K 766.491	1627.42	ppb	1.7947	0.1	78809.0
Mg 279.078	5711.45	ppb	7.9080	0.1	16621.3
Mn 257.610	29.7938	ppb	0.0367	0.1	7270.76
Mo 202.032	0.1980	ppb	0.2414	121.9	7.0068
Na 330.237	6947.59	ppb	52.1690	0.8	409.313
Ni 231.604	3.0886	ppb	0.4262	13.8	4.9407
Pb 220.353	1.9762	ppb	0.2550	12.9	15.8825
Sb 206.834	-0.5206	ppb	0.7685	147.6	-4.6804
Se 196.026	-1.8889	ppb	4.6004	243.5	6.1622
Sn 189.925	-1.4162	ppb	1.5106	106.7	-7.1547
Sr 216.596	95.1808	ppb	0.1833	0.2	1162.30
Ti 334.941	0.6170	ppb	0.0366	5.9	173.552
Tl 190.794	-0.6062	ppb	1.4882	245.5	-9.5299
V 292.401	1.1935	ppb	0.0761	6.4	22.9096
Zn 206.200	11.4386	ppb	1.1303	9.9	12.5095

680-109474-e-2-c (Samp) **2/5/2015, 3:36:03 AM** **Rack 3, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	-0.0360u	0.1823	0.0239u
Al 308.215	8.1796	8.9513	8.6136
As 188.980	0.5537	-4.4789u	-1.4691u
B 249.678	30.4025	29.9768	29.7940
Ba 389.178	31.2399	31.0017	31.0811
Be 313.042	0.0134	0.0143	0.0149
Ca 370.602	9970	9970	10006
Cd 226.502	0.0252	-0.0391u	-0.0395u
Co 228.615	-0.3346u	0.5097	-0.0557u
Cr 267.716	0.4363	0.3134	0.1637

Label	Replicates Concentration		
Cu 324.754	2.7944	2.5892	2.9586
Fe 271.441	17.2951	13.8996	15.0285
K 766.491	1599.80	1597.18	1593.46
Mg 279.078	5638.79	5636.98	5638.11
Mn 257.610	28.8709	28.8208	28.8809
Mo 202.032	-0.0841u	0.1328	-0.7926u
Na 330.237	6826.39	6837.97	6835.77
Ni 231.604	2.1216	1.7730	2.9084
Pb 220.353	0.9260	2.3815	0.2900
Sb 206.834	2.9501	-1.4718u	3.7863
Se 196.026	-1.5139u	-4.5048u	-1.1706u
Sn 189.925	2.4918	0.6084	4.0215
Sr 216.596	94.6368	94.5279	94.5016
Ti 334.941	0.3500	0.2756	0.2789
Tl 190.794	0.8190	-1.1457u	0.1560
V 292.401	1.1311	1.0268	1.0532
Zn 206.200	5.8619	5.0447	6.5651

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0567	ppb	0.1128	198.9	-8.0170
Al 308.215	8.5815	ppb	0.3868	4.5	391.235
As 188.980	-1.7981	ppb	2.5324	140.8	-5.4910
B 249.678	30.0577	ppb	0.3122	1.0	612.658
Ba 389.178	31.1076	ppb	0.1212	0.4	718.146
Be 313.042	0.0142	ppb	0.0007	5.1	-306.799
Ca 370.602	9982	ppb	20.56	0.2	31447
Cd 226.502	-0.0178	ppb	0.0372	209.4	23.6406
Co 228.615	0.0398	ppb	0.4302	1080.9	-0.4033
Cr 267.716	0.3045	ppb	0.1365	44.8	48.4817
Cu 324.754	2.7807	ppb	0.1851	6.7	401.507
Fe 271.441	15.4077	ppb	1.7292	11.2	31.9771
K 766.491	1596.81	ppb	3.1853	0.2	77333.2
Mg 279.078	5637.96	ppb	0.9137	0.0	16407.7
Mn 257.610	28.8575	ppb	0.0322	0.1	7045.18
Mo 202.032	-0.2480	ppb	0.4840	195.2	3.9297
Na 330.237	6833.38	ppb	6.1485	0.1	403.175
Ni 231.604	2.2677	ppb	0.5816	25.6	2.2677
Pb 220.353	1.1992	ppb	1.0722	89.4	14.6356
Sb 206.834	1.7549	ppb	2.8255	161.0	-1.4326
Se 196.026	-2.3965	ppb	1.8340	76.5	5.9174
Sn 189.925	2.3739	ppb	1.7096	72.0	-4.2726
Sr 216.596	94.5554	ppb	0.0717	0.1	1154.69
Ti 334.941	0.3015	ppb	0.0421	13.9	69.9590
Tl 190.794	-0.0569	ppb	0.9995	1756.5	-8.9019
V 292.401	1.0704	ppb	0.0542	5.1	19.2926
Zn 206.200	5.8239	ppb	0.7609	13.1	6.5522

680-109474-e-3-b (Samp) **2/5/2015, 3:40:39 AM** **Rack 3, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	-0.0384u	0.3040	0.0491u
Al 308.215	50.3577	50.2506	50.5579
As 188.980	-4.1369u	-1.7196u	-5.3693u

Label	Replicates Concentration		
B 249.678	48.0812	48.1416	48.0182
Ba 389.178	179.939	179.058	179.757
Be 313.042	0.2301	0.2284	0.2365
Ca 370.602	18589	18628	18671
Cd 226.502	-0.0443u	0.0212	-0.0501u
Co 228.615	1.0244	0.4009	0.3926
Cr 267.716	2.9789	2.9182	2.8860
Cu 324.754	6.5684	6.4681	6.1180
Fe 271.441	62.7243	65.1037	63.9932
K 766.491	1983.55	1976.07	1973.57
Mg 279.078	9139.47	9120.92	9120.63
Mn 257.610	51.5926	51.5925	51.6508
Mo 202.032	0.1657	0.0503	-0.4105u
Na 330.237	11324.6	11168.1	11341.6
Ni 231.604	10.2737	10.9708	11.3720
Pb 220.353	0.2405	3.7407	5.3437
Sb 206.834	-0.9462u	-0.5861u	1.5649
Se 196.026	1.8750	-0.2957u	-2.8179u
Sn 189.925	2.3522	-1.9857u	0.6926
Sr 216.596	211.309	209.987	210.110
Ti 334.941	2.3496	2.3169	2.3098
Tl 190.794	-1.4476u	-0.4999u	2.4272
V 292.401	0.4993	0.6847	0.7781
Zn 206.200	22.3991	20.8004	20.8676

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1049	ppb	0.1779	169.6	-7.8308
Al 308.215	50.3888	ppb	0.1560	0.3	716.159
As 188.980	-3.7419	ppb	1.8567	49.6	-6.8451
B 249.678	48.0803	ppb	0.0617	0.1	954.510
Ba 389.178	179.585	ppb	0.4651	0.3	4310.02
Be 313.042	0.2317	ppb	0.0043	1.8	125.952
Ca 370.602	18629	ppb	41.07	0.2	58678
Cd 226.502	-0.0244	ppb	0.0396	162.5	23.5708
Co 228.615	0.6060	ppb	0.3624	59.8	6.2981
Cr 267.716	2.9277	ppb	0.0472	1.6	199.656
Cu 324.754	6.3848	ppb	0.2364	3.7	677.551
Fe 271.441	63.9404	ppb	1.1906	1.9	113.962
K 766.491	1977.73	ppb	5.1955	0.3	95702.5
Mg 279.078	9127.01	ppb	10.7934	0.1	26549.9
Mn 257.610	51.6120	ppb	0.0336	0.1	12541.6
Mo 202.032	-0.0648	ppb	0.3049	470.1	5.1918
Na 330.237	11278.1	ppb	95.6094	0.8	647.079
Ni 231.604	10.8722	ppb	0.5558	5.1	30.2752
Pb 220.353	3.1083	ppb	2.6098	84.0	17.7069
Sb 206.834	0.0109	ppb	1.3578	12509.2	-3.8876
Se 196.026	-0.4129	ppb	2.3486	568.8	6.8789
Sn 189.925	0.3530	ppb	2.1888	620.0	-5.8079
Sr 216.596	210.469	ppb	0.7300	0.3	2565.86
Ti 334.941	2.3254	ppb	0.0212	0.9	740.347
Tl 190.794	0.1599	ppb	2.0199	1263.1	-8.6505
V 292.401	0.6540	ppb	0.1419	21.7	6.5316
Zn 206.200	21.3557	ppb	0.9042	4.2	23.0271

Cont Calib Verif (CCV) **2/5/2015, 3:45:15 AM** **Rack 3, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	452.326	453.726	453.792
Al 308.215	4575.48	4592.47	4595.00
As 188.980	466.150	465.572	473.523
B 249.678	465.335	468.082	469.725
Ba 389.178	4492.82	4496.12	4509.15
Be 313.042	472.587	473.716	474.769
Ca 370.602	4500	4506	4507
Cd 226.502	459.775	459.876	461.566
Co 228.615	470.641	472.282	472.699
Cr 267.716	4694.62	4700.96	4712.87
Cu 324.754	4837.00	4789.68	4854.91
Fe 271.441	4519.41	4521.81	4524.84
K 766.491	9956.87	10017.2	9999.22
Mg 279.078	4707.56	4718.08	4722.53
Mn 257.610	4780.23	4805.06	4837.47
Mo 202.032	455.317	455.305	455.300
Na 330.237	7451.14	7308.62	7487.29
Ni 231.604	2368.73	2366.39	2373.62
Pb 220.353	469.251	465.989	465.334
Sb 206.834	908.137	911.471	916.302
Se 196.026	4681.10	4700.97	4687.16
Sn 189.925	4617.70	4634.31	4611.83
Sr 216.596	2270.16	2273.18	2286.67
Ti 334.941	435.197	436.880	437.324
Tl 190.794	4665.14	4669.61	4675.60
V 292.401	4686.11	4699.89	4705.76
Zn 206.200	2302.56	2309.31	2325.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	453.281	ppb	0.8280	0.2	42217.1	90.65620
Al 308.215	4587.65	ppb	10.6179	0.2	36717.9	91.75299
As 188.980	468.415	ppb	4.4330	0.9	321.794	93.68300
B 249.678	467.714	ppb	2.2180	0.5	8920.57	93.54282
Ba 389.178	4499.36	ppb	8.6370	0.2	108587	89.98728Q
Be 313.042	473.691	ppb	1.0912	0.2	936836	94.73818
Ca 370.602	4504	ppb	3.857	0.1	14540	90.08575
Cd 226.502	460.406	ppb	1.0063	0.2	21190.0	92.08119
Co 228.615	471.874	ppb	1.0881	0.2	5547.25	94.37480
Cr 267.716	4702.81	ppb	9.2648	0.2	270573	94.05629
Cu 324.754	4827.20	ppb	33.7012	0.7	369812	96.54394
Fe 271.441	4522.02	ppb	2.7221	0.1	7741.18	90.44038
K 766.491	9991.10	ppb	30.9758	0.3	482139	99.91099
Mg 279.078	4716.06	ppb	7.6888	0.2	13621.4	94.32112
Mn 257.610	4807.59	ppb	28.7019	0.6	1155018	96.15176
Mo 202.032	455.307	ppb	0.0085	0.0	3142.06	91.06148
Na 330.237	7415.68	ppb	94.4622	1.3	378.057	98.87578
Ni 231.604	2369.58	ppb	3.6907	0.2	7706.22	94.78313
Pb 220.353	466.858	ppb	2.0983	0.4	765.979	93.37163
Sb 206.834	911.970	ppb	4.1050	0.5	1350.71	91.19700
Se 196.026	4689.74	ppb	10.1871	0.2	2267.88	93.79482
Sn 189.925	4621.28	ppb	11.6633	0.3	3508.09	92.42561
Sr 216.596	2276.67	ppb	8.7916	0.4	27591.2	91.06690

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	436.467	ppb	1.1218	0.3	143112	87.29337Q
Tl 190.794	4670.11	ppb	5.2493	0.1	5317.36	93.40230
V 292.401	4697.25	ppb	10.0892	0.2	141711	93.94508
Zn 206.200	2312.31	ppb	11.5500	0.5	2444.56	92.49244

Cont Calib Blank (CCB) **2/5/2015, 3:49:51 AM** **Rack 3, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2722	-0.0030u	-0.0373u
Al 308.215	-0.9614u	1.4075	0.1092
As 188.980	0.3538	-2.7005u	-1.3439u
B 249.678	1.6653	1.6210	1.3560
Ba 389.178	0.6668	0.2369	0.0003
Be 313.042	0.0189	0.0218	0.0224
Ca 370.602	1.697	3.141	3.281
Cd 226.502	-0.0347u	0.0620	-0.0141u
Co 228.615	-0.0996u	0.1396	-0.4364u
Cr 267.716	-0.0111u	0.0831	0.0670
Cu 324.754	0.2763	0.3887	0.3177
Fe 271.441	1.9206	-2.2582u	1.9789
K 766.491	0.1724	0.4860	0.2722
Mg 279.078	1.4024	2.4231	-0.4176u
Mn 257.610	0.2582	0.2984	0.3275
Mo 202.032	0.5736	0.7164	0.0190
Na 330.237	45.1045	88.1470	121.200
Ni 231.604	-0.0802u	-0.2160u	0.6947
Pb 220.353	-0.8252u	-1.0539u	-0.7005u
Sb 206.834	3.2488	0.5480	5.8246
Se 196.026	-0.0914u	2.0423	-0.4713u
Sn 189.925	2.6744	3.0861	0.6280
Sr 216.596	-0.2333u	0.5201	0.2803
Ti 334.941	0.1025	0.1454	0.0841
Tl 190.794	2.6170	0.3160	1.3102
V 292.401	0.3856	0.3399	0.1930
Zn 206.200	0.9890	0.9682	0.5443

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0773	ppb	0.1697	219.5	-2.5985	0.07730
Al 308.215	0.1851	ppb	1.1863	640.9	325.845	0.18510
As 188.980	-1.2302	ppb	1.5303	124.4	-5.0956	-1.23022
B 249.678	1.5474	ppb	0.1673	10.8	71.7540	1.54744
Ba 389.178	0.3013	ppb	0.3379	112.1	-38.2897	0.30131
Be 313.042	0.0210	ppb	0.0019	9.0	-296.235	0.02103
Ca 370.602	2.706	ppb	0.8767	32.4	24.11	2.70637
Cd 226.502	0.0044	ppb	0.0510	1160.6	24.5151	0.00439
Co 228.615	-0.1321	ppb	0.2894	219.0	-2.4496	-0.13210
Cr 267.716	0.0464	ppb	0.0504	108.7	33.3422	0.04636
Cu 324.754	0.3276	ppb	0.0569	17.4	213.675	0.32758
Fe 271.441	0.5471	ppb	2.4296	444.1	6.8563	0.54712
K 766.491	0.3102	ppb	0.1602	51.7	343.529	0.31021
Mg 279.078	1.1360	ppb	1.4390	126.7	21.8356	1.13596
Mn 257.610	0.2947	ppb	0.0348	11.8	134.963	0.29468
Mo 202.032	0.4363	ppb	0.3684	84.4	8.6536	0.43632

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	84.8172	ppb	38.1569	45.0	32.3527	84.81720
Ni 231.604	0.1328	ppb	0.4913	369.9	-4.6818	0.13282
Pb 220.353	-0.8599	ppb	0.1792	20.8	11.3231	-0.85990
Sb 206.834	3.2072	ppb	2.6385	82.3	0.6216	3.20715
Se 196.026	0.4932	ppb	1.3549	274.7	7.3027	0.49323
Sn 189.925	2.1295	ppb	1.3165	61.8	-4.4606	2.12951
Sr 216.596	0.1890	ppb	0.3849	203.6	4.5467	0.18904
Ti 334.941	0.1107	ppb	0.0314	28.4	-3.3953	0.11067
Tl 190.794	1.4144	ppb	1.1541	81.6	-7.2432	1.41437
V 292.401	0.3062	ppb	0.1007	32.9	-3.9660	0.30616
Zn 206.200	0.8338	ppb	0.2509	30.1	1.2583	0.83385

680-109474-e-7-b (Samp) **2/5/2015, 3:54:27 AM** **Rack 3, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	0.0805	-0.0620u	0.1243
Al 308.215	76.5441	77.1854	76.5310
As 188.980	-2.7267u	-0.9708u	-4.5228u
B 249.678	3.9902	3.6846	4.0619
Ba 389.178	109.205	109.297	109.726
Be 313.042	0.1336	0.1365	0.1302
Ca 370.602	16754	16796	16835
Cd 226.502	-0.1381u	-0.0740u	0.0388
Co 228.615	0.0095	-0.2889u	0.0111
Cr 267.716	1.3273	1.2975	1.1945
Cu 324.754	24.6381	24.5705	25.0174
Fe 271.441	67.8156	70.2871	65.8888
K 766.491	2029.89	2020.10	2023.65
Mg 279.078	6775.70	6778.59	6784.49
Mn 257.610	31.5275	31.6470	31.5566
Mo 202.032	0.3418	0.1893	0.2095
Na 330.237	7857.44	7895.68	7793.57
Ni 231.604	2.0931	2.2022	2.3141
Pb 220.353	2.0216	3.5659	3.3254
Sb 206.834	3.7512	-0.1430u	1.8443
Se 196.026	4.8146	-2.1253u	-3.1419u
Sn 189.925	0.3658	2.2776	3.4281
Sr 216.596	184.925	184.656	184.901
Ti 334.941	4.9018	4.8447	4.8429
Tl 190.794	-2.3858u	-1.0823u	-0.8613u
V 292.401	0.7924	0.9694	0.6008
Zn 206.200	17.9380	19.9902	17.1734

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0476	ppb	0.0974	204.6	-12.2416
Al 308.215	76.7535	ppb	0.3741	0.5	921.148
As 188.980	-2.7401	ppb	1.7761	64.8	-6.1475
B 249.678	3.9123	ppb	0.2004	5.1	116.416
Ba 389.178	109.409	ppb	0.2780	0.3	2610.80
Be 313.042	0.1334	ppb	0.0031	2.4	-68.5840
Ca 370.602	16795	ppb	40.48	0.2	52902
Cd 226.502	-0.0578	ppb	0.0896	155.0	22.0377
Co 228.615	-0.0894	ppb	0.1727	193.1	-1.8295

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	1.2731	ppb	0.0697	5.5	104.286
Cu 324.754	24.7420	ppb	0.2409	1.0	2083.38
Fe 271.441	67.9972	ppb	2.2048	3.2	120.745
K 766.491	2024.55	ppb	4.9570	0.2	97960.4
Mg 279.078	6779.59	ppb	4.4811	0.1	19726.3
Mn 257.610	31.5770	ppb	0.0623	0.2	7708.52
Mo 202.032	0.2469	ppb	0.0829	33.6	7.3426
Na 330.237	7848.90	ppb	51.5877	0.7	458.672
Ni 231.604	2.2032	ppb	0.1105	5.0	2.0624
Pb 220.353	2.9709	ppb	0.8309	28.0	17.4792
Sb 206.834	1.8175	ppb	1.9472	107.1	-1.3394
Se 196.026	-0.1509	ppb	4.3302	2870.0	7.0004
Sn 189.925	2.0238	ppb	1.5468	76.4	-4.5385
Sr 216.596	184.827	ppb	0.1493	0.1	2253.91
Ti 334.941	4.8631	ppb	0.0335	0.7	1568.18
Tl 190.794	-1.4432	ppb	0.8238	57.1	-10.4891
V 292.401	0.7875	ppb	0.1843	23.4	10.5991
Zn 206.200	18.3672	ppb	1.4566	7.9	19.8591

680-109474-e-8-b (Samp) **2/5/2015, 3:59:03 AM** **Rack 3, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	0.2432	-0.0358u	-0.2388u
Al 308.215	309.294	309.453	312.147
As 188.980	-3.8987u	-3.5121u	-4.8881u
B 249.678	13.4308	13.6273	13.5406
Ba 389.178	80.1409	79.8348	79.6889
Be 313.042	0.1065	0.1040	0.1060
Ca 370.602	12225	12204	12195
Cd 226.502	-0.0036	-0.0358	-0.0451u
Co 228.615	0.6046	0.2161	0.0444
Cr 267.716	1.4553	1.3595	1.3716
Cu 324.754	18.1091	18.1824	18.2794
Fe 271.441	376.032	371.315	371.374
K 766.491	1663.26	1659.80	1661.56
Mg 279.078	4562.77	4567.42	4576.10
Mn 257.610	66.7902	66.8301	67.0083
Mo 202.032	0.3359	0.1391	-0.1966u
Na 330.237	7694.56	7507.09	7734.94
Ni 231.604	2.1041	0.5495	1.7125
Pb 220.353	4.3475	4.8235	4.7383
Sb 206.834	2.5190	0.5347	0.9062
Se 196.026	-2.9163u	-2.5532u	-7.9419u
Sn 189.925	0.3784	0.3167	2.2450
Sr 216.596	155.450	155.878	156.061
Ti 334.941	26.4649	26.6816	26.6340
Tl 190.794	-1.9746u	0.0732	0.9298
V 292.401	1.7252	1.7097	1.6880
Zn 206.200	23.9506	21.7894	21.4568

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0105	ppb	0.2420	2312.4	-16.4082
Al 308.215	310.298	ppb	1.6034	0.5	2736.80

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-4.0996	ppb	0.7097	17.3	-7.0963
B 249.678	13.5329	ppb	0.0984	0.7	298.146
Ba 389.178	79.8882	ppb	0.2307	0.3	1893.47
Be 313.042	0.1055	ppb	0.0013	1.3	-125.332
Ca 370.602	12208	ppb	15.50	0.1	38467
Cd 226.502	-0.0282	ppb	0.0218	77.4	24.8631
Co 228.615	0.2884	ppb	0.2870	99.5	3.1155
Cr 267.716	1.3955	ppb	0.0521	3.7	111.705
Cu 324.754	18.1903	ppb	0.0854	0.5	1581.76
Fe 271.441	372.907	ppb	2.7063	0.7	635.579
K 766.491	1661.54	ppb	1.7290	0.1	80454.5
Mg 279.078	4568.76	ppb	6.7637	0.1	13298.5
Mn 257.610	66.8762	ppb	0.1161	0.2	16170.2
Mo 202.032	0.0928	ppb	0.2693	290.2	6.2635
Na 330.237	7645.53	ppb	121.583	1.6	447.317
Ni 231.604	1.4553	ppb	0.8086	55.6	-0.3447
Pb 220.353	4.6364	ppb	0.2538	5.5	20.1657
Sb 206.834	1.3200	ppb	1.0549	79.9	-2.0379
Se 196.026	-4.4705	ppb	3.0118	67.4	4.9305
Sn 189.925	0.9800	ppb	1.0959	111.8	-5.3323
Sr 216.596	155.796	ppb	0.3138	0.2	1899.93
Ti 334.941	26.5935	ppb	0.1139	0.4	8690.42
Tl 190.794	-0.3238	ppb	1.4923	460.8	-9.2433
V 292.401	1.7076	ppb	0.0187	1.1	38.4871
Zn 206.200	22.3989	ppb	1.3540	6.0	24.1263

680-109474-e-9-b (Samp) **2/5/2015, 4:03:40 AM** **Rack 3, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	0.0071u	0.1200	-0.0940u
Al 308.215	33.7677	32.9863	32.9957
As 188.980	-3.7250u	-1.5093u	-0.0806u
B 249.678	4.1581	4.0585	3.9381
Ba 389.178	46.2918	46.9058	46.7629
Be 313.042	0.1147	0.1142	0.1118
Ca 370.602	5025	5032	5026
Cd 226.502	-0.0395u	0.0124	0.0230
Co 228.615	0.3687	-0.4934u	0.0276
Cr 267.716	1.7219	1.8323	2.0310
Cu 324.754	16.5819	16.6074	16.4878
Fe 271.441	35.2267	27.2532	30.0049
K 766.491	1564.84	1575.30	1567.67
Mg 279.078	2276.62	2274.84	2277.23
Mn 257.610	8.3540	8.3630	8.3510
Mo 202.032	-0.0661u	-0.0437u	-0.0525u
Na 330.237	5382.48	5353.28	5450.35
Ni 231.604	1.2542	0.3994	0.4126
Pb 220.353	4.6309	3.1532	6.6814
Sb 206.834	1.2247	-0.2566u	1.6324
Se 196.026	0.3343	0.1522	0.5082
Sn 189.925	22.1063	22.5287	21.0185
Sr 216.596	45.5686	46.0236	45.5692
Ti 334.941	1.7785	1.7980	1.8233

Label	Replicates Concentration		
Tl 190.794	-0.2932u	1.9393	-0.9542u
V 292.401	0.5564	0.3072	0.4334
Zn 206.200	40.3149	38.7510	37.0261

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0110	ppb	0.1070	968.5	-10.4955
Al 308.215	33.2499	ppb	0.4485	1.3	582.902
As 188.980	-1.7716	ppb	1.8363	103.7	-5.4727
B 249.678	4.0515	ppb	0.1102	2.7	119.144
Ba 389.178	46.6535	ppb	0.3213	0.7	1085.75
Be 313.042	0.1136	ppb	0.0016	1.4	-111.956
Ca 370.602	5028	ppb	3.488	0.1	15847
Cd 226.502	-0.0014	ppb	0.0334	2447.5	24.4049
Co 228.615	-0.0324	ppb	0.4341	1341.5	-1.2314
Cr 267.716	1.8617	ppb	0.1566	8.4	137.959
Cu 324.754	16.5590	ppb	0.0630	0.4	1456.69
Fe 271.441	30.8283	ppb	4.0500	13.1	57.9926
K 766.491	1569.27	ppb	5.4123	0.3	76005.0
Mg 279.078	2276.23	ppb	1.2394	0.1	6635.43
Mn 257.610	8.3560	ppb	0.0063	0.1	2091.24
Mo 202.032	-0.0541	ppb	0.0113	20.9	5.2677
Na 330.237	5395.37	ppb	49.7982	0.9	323.328
Ni 231.604	0.6887	ppb	0.4898	71.1	-2.8697
Pb 220.353	4.8218	ppb	1.7718	36.7	20.4455
Sb 206.834	0.8668	ppb	0.9941	114.7	-2.6749
Se 196.026	0.3316	ppb	0.1780	53.7	7.2270
Sn 189.925	21.8845	ppb	0.7791	3.6	10.5634
Sr 216.596	45.7205	ppb	0.2625	0.6	559.634
Ti 334.941	1.7999	ppb	0.0224	1.2	554.730
Tl 190.794	0.2306	ppb	1.5162	657.4	-8.5892
V 292.401	0.4323	ppb	0.1246	28.8	-0.1369
Zn 206.200	38.6973	ppb	1.6451	4.3	41.4324

680-109474-e-16-d (Samp) **2/5/2015, 4:08:16 AM** **Rack 3, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	0.1996	-0.3538u	0.0319
Al 308.215	14.2548	14.9452	14.8166
As 188.980	-3.9545u	-0.4755u	-4.8424u
B 249.678	11.6852	12.2710	12.0694
Ba 389.178	34.5157	35.3083	34.6473
Be 313.042	0.1359	0.1425	0.1401
Ca 370.602	6322	6335	6332
Cd 226.502	-0.1136u	-0.1136u	-0.1037u
Co 228.615	-0.0466u	0.3000	-0.2121u
Cr 267.716	0.8995	0.8935	0.9546
Cu 324.754	0.3716	0.1291	-0.0552u
Fe 271.441	17.9171	17.1619	18.4992
K 766.491	2119.30	2119.28	2115.46
Mg 279.078	2708.14	2713.01	2705.08
Mn 257.610	36.3100	36.4081	36.4769
Mo 202.032	0.2146	0.1246	0.0834
Na 330.237	6910.85	6910.55	7163.97

Label	Replicates Concentration		
Ni 231.604	0.9959	-0.5225u	-0.0382u
Pb 220.353	-1.7386u	-0.2091u	-0.9558u
Sb 206.834	-2.0876u	0.4074	-0.6271u
Se 196.026	3.5409	-5.6696u	3.7774
Sn 189.925	-3.5555u	-1.2841u	-0.4396u
Sr 216.596	68.6198	68.9477	69.0126
Ti 334.941	0.8265	0.8474	0.8448
Tl 190.794	-0.4678u	2.4381	2.1890
V 292.401	0.2976	0.4127	0.2608
Zn 206.200	1.8078	2.0332	2.2651

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0408	ppb	0.2837	695.6	-16.0494
Al 308.215	14.6722	ppb	0.3672	2.5	438.467
As 188.980	-3.0908	ppb	2.3080	74.7	-6.3914
B 249.678	12.0085	ppb	0.2976	2.5	270.166
Ba 389.178	34.8238	ppb	0.4248	1.2	801.180
Be 313.042	0.1395	ppb	0.0033	2.4	-60.3967
Ca 370.602	6330	ppb	7.143	0.1	19947
Cd 226.502	-0.1103	ppb	0.0057	5.2	19.3307
Co 228.615	0.0138	ppb	0.2613	1899.3	-0.7028
Cr 267.716	0.9159	ppb	0.0337	3.7	83.7118
Cu 324.754	0.1485	ppb	0.2141	144.1	199.954
Fe 271.441	17.8594	ppb	0.6705	3.8	36.1067
K 766.491	2118.01	ppb	2.2127	0.1	102468
Mg 279.078	2708.74	ppb	3.9961	0.1	7892.15
Mn 257.610	36.3983	ppb	0.0839	0.2	8831.36
Mo 202.032	0.1409	ppb	0.0671	47.6	6.6139
Na 330.237	6995.12	ppb	146.223	2.1	412.146
Ni 231.604	0.1451	ppb	0.7756	534.6	-4.6407
Pb 220.353	-0.9678	ppb	0.7648	79.0	11.1592
Sb 206.834	-0.7691	ppb	1.2536	163.0	-5.0293
Se 196.026	0.5496	ppb	5.3873	980.3	7.3386
Sn 189.925	-1.7597	ppb	1.6115	91.6	-7.4159
Sr 216.596	68.8600	ppb	0.2105	0.3	841.177
Ti 334.941	0.8395	ppb	0.0114	1.4	240.487
Tl 190.794	1.3864	ppb	1.6106	116.2	-7.2571
V 292.401	0.3237	ppb	0.0792	24.5	-3.4354
Zn 206.200	2.0354	ppb	0.2287	11.2	2.5309

680-109474-e-22-b (Samp) **2/5/2015, 4:12:52 AM** **Rack 3, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	0.2795	-0.0195u	0.1135
Al 308.215	21.7901	21.7185	22.8661
As 188.980	-2.7604u	-2.2995u	-3.5974u
B 249.678	4.3886	4.5273	4.1030
Ba 389.178	25.7277	26.0255	25.8374
Be 313.042	0.2231	0.2273	0.2201
Ca 370.602	4266	4289	4295
Cd 226.502	-0.1089u	-0.0558u	-0.1024u
Co 228.615	0.7692	0.9602	0.9342
Cr 267.716	0.9669	1.1581	1.0397

Label	Replicates Concentration		
Cu 324.754	1.7721	1.7622	1.7259
Fe 271.441	317.688	314.074	316.716
K 766.491	1844.50	1840.35	1829.27
Mg 279.078	1928.88	1930.34	1918.36
Mn 257.610	15.6992	15.7477	15.7502
Mo 202.032	0.3625	-0.1429u	0.3745
Na 330.237	6894.34	6918.79	6892.54
Ni 231.604	0.7765	1.1202	1.1219
Pb 220.353	2.5123	0.1756	-0.8231u
Sb 206.834	2.9703	-4.0782u	1.9495
Se 196.026	0.7379	3.0867	0.1653
Sn 189.925	0.9848	0.1784	-2.4205u
Sr 216.596	35.8659	35.3804	35.7153
Ti 334.941	0.9313	0.8825	0.8895
Tl 190.794	1.8756	0.7974	1.5658
V 292.401	0.4883	0.4635	0.5805
Zn 206.200	2.9848	3.1484	2.2699

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1245	ppb	0.1498	120.3	0.4545
Al 308.215	22.1249	ppb	0.6429	2.9	496.465
As 188.980	-2.8858	ppb	0.6580	22.8	-6.2507
B 249.678	4.3396	ppb	0.2164	5.0	123.870
Ba 389.178	25.8635	ppb	0.1506	0.6	583.371
Be 313.042	0.2235	ppb	0.0036	1.6	105.029
Ca 370.602	4283	ppb	15.10	0.4	13500
Cd 226.502	-0.0890	ppb	0.0290	32.5	21.7752
Co 228.615	0.8879	ppb	0.1036	11.7	9.5844
Cr 267.716	1.0549	ppb	0.0965	9.1	91.7539
Cu 324.754	1.7534	ppb	0.0243	1.4	322.998
Fe 271.441	316.159	ppb	1.8702	0.6	539.826
K 766.491	1838.04	ppb	7.8696	0.4	88966.1
Mg 279.078	1925.86	ppb	6.5370	0.3	5616.73
Mn 257.610	15.7324	ppb	0.0288	0.2	3861.14
Mo 202.032	0.1980	ppb	0.2953	149.2	6.9937
Na 330.237	6901.89	ppb	14.6614	0.2	406.922
Ni 231.604	1.0062	ppb	0.1989	19.8	-1.8134
Pb 220.353	0.6216	ppb	1.7118	275.4	13.7255
Sb 206.834	0.2806	ppb	3.8092	1357.7	-3.5271
Se 196.026	1.3299	ppb	1.5481	116.4	7.7125
Sn 189.925	-0.4191	ppb	1.7795	424.6	-6.3964
Sr 216.596	35.6539	ppb	0.2485	0.7	437.425
Ti 334.941	0.9011	ppb	0.0264	2.9	259.150
Tl 190.794	1.4129	ppb	0.5551	39.3	-7.2840
V 292.401	0.5108	ppb	0.0617	12.1	2.0630
Zn 206.200	2.8010	ppb	0.4672	16.7	3.3328

680-109474-e-23-b (Samp) **2/5/2015, 4:17:29 AM** **Rack 3, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-0.0585u	0.0947	-0.1330u
Al 308.215	167.386	169.956	169.996
As 188.980	-2.7820u	-8.3062u	-1.1974u

Label	Replicates Concentration		
B 249.678	5.7719	6.0552	6.3402
Ba 389.178	22.1284	22.0473	22.0686
Be 313.042	0.0187	0.0254	0.0188
Ca 370.602	5154	5167	5141
Cd 226.502	-0.0922u	-0.0702u	-0.0339u
Co 228.615	-0.2006u	-0.1476u	0.2893
Cr 267.716	1.8304	1.7006	1.6279
Cu 324.754	0.7806	0.7150	0.6076
Fe 271.441	183.333	184.237	185.973
K 766.491	1645.37	1658.25	1654.81
Mg 279.078	2248.92	2249.28	2251.50
Mn 257.610	26.8986	26.9642	26.9145
Mo 202.032	-0.1279u	0.1246	0.1605
Na 330.237	10172.9	10137.5	10144.6
Ni 231.604	1.8022	1.5606	1.4353
Pb 220.353	0.2071	1.1393	2.8365
Sb 206.834	-1.1309u	1.2194	4.2313
Se 196.026	-0.3659u	-0.8862u	2.6352
Sn 189.925	2.6005	-1.3997u	0.4547
Sr 216.596	30.3383	30.1581	29.6138
Ti 334.941	7.8796	7.8146	7.7382
Tl 190.794	-0.7695u	-0.8681u	-1.9273u
V 292.401	2.2701	2.2919	2.3881
Zn 206.200	6.9984	6.7570	7.9493

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0323	ppb	0.1161	359.5	-13.8719
Al 308.215	169.113	ppb	1.4953	0.9	1639.35
As 188.980	-4.0952	ppb	3.7319	91.1	-7.0919
B 249.678	6.0558	ppb	0.2842	4.7	156.799
Ba 389.178	22.0814	ppb	0.0421	0.2	492.710
Be 313.042	0.0209	ppb	0.0038	18.3	-295.538
Ca 370.602	5154	ppb	13.30	0.3	16247
Cd 226.502	-0.0654	ppb	0.0295	45.0	22.1793
Co 228.615	-0.0197	ppb	0.2688	1367.7	-0.9282
Cr 267.716	1.7196	ppb	0.1026	6.0	130.050
Cu 324.754	0.7011	ppb	0.0873	12.5	242.313
Fe 271.441	184.514	ppb	1.3417	0.7	317.479
K 766.491	1652.81	ppb	6.6697	0.4	80033.7
Mg 279.078	2249.90	ppb	1.3945	0.1	6558.42
Mn 257.610	26.9258	ppb	0.0343	0.1	6552.40
Mo 202.032	0.0524	ppb	0.1572	300.0	5.9931
Na 330.237	10151.7	ppb	18.6913	0.2	585.481
Ni 231.604	1.5994	ppb	0.1865	11.7	0.1078
Pb 220.353	1.3943	ppb	1.3331	95.6	14.9541
Sb 206.834	1.4399	ppb	2.6879	186.7	-1.8657
Se 196.026	0.4610	ppb	1.9008	412.3	7.2953
Sn 189.925	0.5519	ppb	2.0019	362.8	-5.6571
Sr 216.596	30.0367	ppb	0.3772	1.3	369.369
Ti 334.941	7.8108	ppb	0.0708	0.9	2525.59
Tl 190.794	-1.1883	ppb	0.6419	54.0	-10.2169
V 292.401	2.3167	ppb	0.0628	2.7	56.7744
Zn 206.200	7.2349	ppb	0.6304	8.7	8.0410

mb 680-369516/1-a (Samp) **2/5/2015, 4:22:05 AM** **Rack 3, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-0.0641u	0.0621	0.0389
Al 308.215	2.0702	1.8662	2.3460
As 188.980	-3.5504u	-2.3249u	-3.2323u
B 249.678	0.3006	0.3675	0.2969
Ba 389.178	-0.0479u	-0.4907u	-0.2509u
Be 313.042	-0.0004u	0.0009	0.0036
Ca 370.602	7.156	-0.9478u	2.483
Cd 226.502	0.1028	-0.0167u	0.0030
Co 228.615	0.1643	-0.0063u	-0.1385u
Cr 267.716	-0.0647u	-0.2417u	-0.1111u
Cu 324.754	0.0320	-0.1117u	0.0300
Fe 271.441	-1.6282u	1.0436	-4.3800u
K 766.491	0.1121	-0.4651u	-0.4968u
Mg 279.078	-0.0495u	3.2019	-0.3990u
Mn 257.610	0.0222	0.0340	0.0339
Mo 202.032	0.3760	-0.0234u	-0.2495u
Na 330.237	126.359	71.3821	85.3913
Ni 231.604	0.8974	-0.8424u	-0.2292u
Pb 220.353	0.0084	-0.2731u	-1.3531u
Sb 206.834	-0.1759u	-0.1032u	-2.3984u
Se 196.026	-1.5760u	-5.7797u	-3.9513u
Sn 189.925	-1.5404u	1.3520	2.5563
Sr 216.596	-0.2769u	0.2612	-0.2912u
Ti 334.941	0.0739	0.0538	0.0909
Tl 190.794	-1.6820u	-0.4830u	-1.4536u
V 292.401	0.0021	0.2178	-0.2023u
Zn 206.200	2.0118	1.6247	0.5072

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0123	ppb	0.0672	544.6	-8.6523
Al 308.215	2.0941	ppb	0.2408	11.5	340.633
As 188.980	-3.0359	ppb	0.6359	20.9	-6.3529
B 249.678	0.3217	ppb	0.0398	12.4	48.4248
Ba 389.178	-0.2632	ppb	0.2217	84.2	-51.9168
Be 313.042	0.0013	ppb	0.0021	152.3	-335.119
Ca 370.602	2.897	ppb	4.068	140.4	24.69
Cd 226.502	0.0297	ppb	0.0640	215.6	25.6729
Co 228.615	0.0065	ppb	0.1518	2343.3	-0.8105
Cr 267.716	-0.1392	ppb	0.0918	65.9	22.6689
Cu 324.754	-0.0166	ppb	0.0824	497.5	187.306
Fe 271.441	-1.6549	ppb	2.7119	163.9	3.1680
K 766.491	-0.2833	ppb	0.3428	121.0	314.909
Mg 279.078	0.9178	ppb	1.9858	216.4	21.2067
Mn 257.610	0.0300	ppb	0.0068	22.6	71.3945
Mo 202.032	0.0344	ppb	0.3167	921.8	5.8802
Na 330.237	94.3776	ppb	28.5690	30.3	32.8734
Ni 231.604	-0.0581	ppb	0.8825	1519.2	-5.3039
Pb 220.353	-0.5393	ppb	0.7187	133.3	11.8379
Sb 206.834	-0.8925	ppb	1.3047	146.2	-5.2171
Se 196.026	-3.7690	ppb	2.1078	55.9	5.2489
Sn 189.925	0.7893	ppb	2.1055	266.8	-5.4797
Sr 216.596	-0.1023	ppb	0.3149	307.9	1.0278

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.0729	ppb	0.0186	25.5	-15.7946
Tl 190.794	-1.2062	ppb	0.6366	52.8	-10.2247
V 292.401	0.0059	ppb	0.2101	3580.2	-12.9454
Zn 206.200	1.3812	ppb	0.7813	56.6	1.8396

lcs 680-369516/2-a (Samp) **2/5/2015, 4:26:41 AM** **Rack 3, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	48.8629	48.6432	49.0309
Al 308.215	4910.29	4904.02	4913.02
As 188.980	102.310	103.856	99.8565
B 249.678	198.665	198.588	199.588
Ba 389.178	95.2443	95.4293	95.2266
Be 313.042	51.8567	51.6873	51.7255
Ca 370.602	4767	4770	4781
Cd 226.502	49.7108	49.4295	49.8278
Co 228.615	50.2698	50.1939	50.1523
Cr 267.716	100.922	100.450	100.901
Cu 324.754	103.097	103.367	102.466
Fe 271.441	4838.41	4827.74	4837.34
K 766.491	5316.74	5294.01	5304.27
Mg 279.078	5036.99	5012.79	5030.38
Mn 257.610	524.627	523.414	523.989
Mo 202.032	97.5198	97.1712	97.1876
Na 330.237	5162.35	5114.52	5259.13
Ni 231.604	101.025	99.3768	99.0384
Pb 220.353	503.145	500.826	498.968
Sb 206.834	53.9099	53.0974	50.7328
Se 196.026	97.6703	97.1958	88.6152
Sn 189.925	193.583	195.174	200.188
Sr 216.596	96.7093	95.9412	95.1539
Ti 334.941	94.2987	93.8657	93.9626
Tl 190.794	42.3710	38.2364	38.5415
V 292.401	102.133	101.928	101.482
Zn 206.200	103.077	103.320	102.563

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.8457	ppb	0.1944	0.4	4544.22
Al 308.215	4909.11	ppb	4.6155	0.1	38504.2
As 188.980	102.008	ppb	2.0168	2.0	66.7360
B 249.678	198.947	ppb	0.5567	0.3	3805.42
Ba 389.178	95.3001	ppb	0.1123	0.1	2270.99
Be 313.042	51.7565	ppb	0.0889	0.2	102029
Ca 370.602	4773	ppb	7.207	0.2	15050
Cd 226.502	49.6560	ppb	0.2047	0.4	2328.60
Co 228.615	50.2053	ppb	0.0596	0.1	588.651
Cr 267.716	100.758	ppb	0.2664	0.3	5831.53
Cu 324.754	102.977	ppb	0.4626	0.4	8079.45
Fe 271.441	4834.50	ppb	5.8784	0.1	8174.99
K 766.491	5305.01	ppb	11.3866	0.2	256157
Mg 279.078	5026.72	ppb	12.5087	0.2	14617.9
Mn 257.610	524.010	ppb	0.6067	0.1	126003
Mo 202.032	97.2929	ppb	0.1967	0.2	676.661

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	5178.67	ppb	73.6686	1.4	308.545
Ni 231.604	99.8135	ppb	1.0631	1.1	320.052
Pb 220.353	500.980	ppb	2.0926	0.4	816.867
Sb 206.834	52.5800	ppb	1.6505	3.1	70.7907
Se 196.026	94.4938	ppb	5.0965	5.4	52.7652
Sn 189.925	196.315	ppb	3.4471	1.8	143.206
Sr 216.596	95.9348	ppb	0.7778	0.8	1171.84
Ti 334.941	94.0424	ppb	0.2272	0.2	30812.7
Tl 190.794	39.7163	ppb	2.3041	5.8	35.8162
V 292.401	101.848	ppb	0.3327	0.3	3038.90
Zn 206.200	102.986	ppb	0.3864	0.4	109.289

680-109553-b-8-a (Samp) **2/5/2015, 4:31:17 AM** **Rack 3, Tube 47**

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

Label	Replicates Concentration		
Ag 328.068	0.0535u	0.0737u	0.0022u
Al 308.215	64.3789	65.4099	65.0799
As 188.980	-2.6689u	3.4739	3.0037
B 249.678	338.139	338.756	338.563
Ba 389.178	26.6385	26.4174	26.5845
Be 313.042	-0.0355u	-0.0349u	-0.0315u
Ca 370.602	197058	196497	195673
Cd 226.502	-0.2026	-0.1243	-0.2593
Co 228.615	0.3338	0.5545	0.1998
Cr 267.716	0.2198	0.1812	0.2396
Cu 324.754	1.6250	1.7695	1.5383
Fe 271.441	10850.1	10843.6	10817.9
K 766.491	13367.5	13383.6	13374.8
Mg 279.078	52462.3	52480.4	52405.9
Mn 257.610	424.252	424.638	423.595
Mo 202.032	11.0311	10.8423	10.5470
Na 330.237	311209x	313085x	312381x
Ni 231.604	2.1920	2.0932	2.0006
Pb 220.353	-2.0681u	1.3418	-1.0215u
Sb 206.834	6.5001	2.8069	4.1123
Se 196.026	4.6015	-3.7505u	-0.4905u
Sn 189.925	3.1271	-1.9159u	-0.2374u
Sr 216.596	779.054	779.749	777.484
Ti 334.941	2.4354	2.4783	2.5589
Tl 190.794	0.7676u	-4.2932u	-4.7055u
V 292.401	0.7399	0.4840	0.8267
Zn 206.200	7.6480	7.8082	6.1364

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0431b	ppb	0.0368	85.4	-36.1846
Al 308.215	64.9562b	ppb	0.5265	0.8	831.050
As 188.980	1.2696b	ppb	3.4189	269.3	-3.4326
B 249.678	338.486b	ppb	0.3154	0.1	6436.53
Ba 389.178	26.5468b	ppb	0.1152	0.4	723.597
Be 313.042	-0.0340b	ppb	0.0021	6.3	-369.738
Ca 370.602	196409b	ppb	696.7	0.4	618357
Cd 226.502	-0.1954b	ppb	0.0678	34.7	67.8190
Co 228.615	0.3627b	ppb	0.1791	49.4	3.9005

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.2135b	ppb	0.0297	13.9	57.2010
Cu 324.754	1.6443b	ppb	0.1168	7.1	319.866
Fe 271.441	10837.2b	ppb	17.0538	0.2	18302.0
K 766.491	13375.3b	ppb	8.0564	0.1	645341
Mg 279.078	52449.5b	ppb	38.8683	0.1	152482
Mn 257.610	424.161b	ppb	0.5271	0.1	102447
Mo 202.032	10.8068b	ppb	0.2440	2.3	79.6947
Na 330.237	312225xb	ppb	947.393	0.3	17185.9
Ni 231.604	2.0952b	ppb	0.0957	4.6	2.6821
Pb 220.353	-0.5826b	ppb	1.7468	299.8	12.5787
Sb 206.834	4.4731b	ppb	1.8729	41.9	2.4479
Se 196.026	0.1202b	ppb	4.2093	3502.6	7.3278
Sn 189.925	0.3246b	ppb	2.5680	791.2	-5.7340
Sr 216.596	778.763b	ppb	1.1601	0.1	9553.76
Ti 334.941	2.4908b	ppb	0.0627	2.5	856.486
Tl 190.794	-2.7437b	ppb	3.0479	111.1	-13.5600
V 292.401	0.6835b	ppb	0.1782	26.1	-1.3555
Zn 206.200	7.1975b	ppb	0.9224	12.8	7.6343

680-109553-b-8-aSD^5 (Samp) **2/5/2015, 4:35:54 AM** **Rack 3, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	-0.0226u	-0.0554u	0.0341u
Al 308.215	14.7644	15.4519	16.2190
As 188.980	-3.2909u	-2.1808u	-2.6653u
B 249.678	67.1674	66.8937	67.8363
Ba 389.178	5.6679	5.3781	4.8446
Be 313.042	-0.0086u	-0.0140u	-0.0082u
Ca 370.602	39309	39272	39258
Cd 226.502	-0.0627	-0.0497	-0.0805
Co 228.615	0.1501	-0.3116u	0.1788
Cr 267.716	0.1663	0.0211	-0.0518u
Cu 324.754	0.4370	0.4049	0.3362
Fe 271.441	2241.82	2246.33	2230.35
K 766.491	2121.05	2124.01	2131.00
Mg 279.078	10595.1	10617.7	10592.7
Mn 257.610	87.2794	87.3989	87.0982
Mo 202.032	2.1229	2.4719	1.8092
Na 330.237	53499.3	53824.7	53500.4
Ni 231.604	0.3718	1.4504	1.0146
Pb 220.353	0.9982	-1.3623u	-0.9715u
Sb 206.834	1.1539	0.0375	3.7325
Se 196.026	0.0082	-0.1458u	-5.4224u
Sn 189.925	2.7979	0.2098	-0.4243u
Sr 216.596	160.435	160.625	158.898
Ti 334.941	0.5000	0.5463	0.5415
Tl 190.794	-0.6333u	2.8783	1.7570
V 292.401	0.1035	-0.0294u	0.0741
Zn 206.200	1.5304	0.1318	1.9736

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0147	ppb	0.0453	309.0	-17.3887
Al 308.215	15.4785	ppb	0.7277	4.7	445.036

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-2.7123	ppb	0.5565	20.5	-6.1437
B 249.678	67.2991	ppb	0.4849	0.7	1313.44
Ba 389.178	5.2969	ppb	0.4176	7.9	108.263
Be 313.042	-0.0103	ppb	0.0032	31.4	-350.060
Ca 370.602	39280	ppb	26.71	0.1	123676
Cd 226.502	-0.0643	ppb	0.0155	24.1	32.2325
Co 228.615	0.0058	ppb	0.2752	4769.2	-0.7089
Cr 267.716	0.0452	ppb	0.1110	245.5	35.9894
Cu 324.754	0.3927	ppb	0.0515	13.1	219.752
Fe 271.441	2239.50	ppb	8.2391	0.4	3786.80
K 766.491	2125.35	ppb	5.1075	0.2	102821
Mg 279.078	10601.8	ppb	13.7942	0.1	30836.5
Mn 257.610	87.2588	ppb	0.1514	0.2	21124.8
Mo 202.032	2.1347	ppb	0.3315	15.5	20.2661
Na 330.237	53608.2	ppb	187.539	0.3	2973.65
Ni 231.604	0.9456	ppb	0.5426	57.4	-1.8352
Pb 220.353	-0.4452	ppb	1.2652	284.2	12.1560
Sb 206.834	1.6413	ppb	1.8951	115.5	-1.5997
Se 196.026	-1.8533	ppb	3.0919	166.8	6.2141
Sn 189.925	0.8611	ppb	1.7070	198.2	-5.4080
Sr 216.596	159.986	ppb	0.9470	0.6	1964.00
Ti 334.941	0.5293	ppb	0.0255	4.8	150.761
Tl 190.794	1.3340	ppb	1.7936	134.5	-7.6597
V 292.401	0.0494	ppb	0.0698	141.2	-13.3615
Zn 206.200	1.2120	ppb	0.9613	79.3	1.5821

Cont Calib Verif (CCV) **2/5/2015, 4:40:30 AM** **Rack 3, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	451.111	452.057	453.942
Al 308.215	4600.49	4602.58	4599.31
As 188.980	469.761	472.891	477.251
B 249.678	471.522	472.199	470.610
Ba 389.178	4465.40	4481.65	4483.29
Be 313.042	474.783	476.004	475.242
Ca 370.602	4501	4523	4520
Cd 226.502	461.876	462.833	462.300
Co 228.615	471.493	471.939	473.431
Cr 267.716	4698.56	4705.74	4709.49
Cu 324.754	4864.84	4845.86	4862.90
Fe 271.441	4519.26	4532.77	4525.45
K 766.491	10020.3	10001.6	10010.3
Mg 279.078	4734.98	4740.46	4731.18
Mn 257.610	4794.73	4810.53	4811.47
Mo 202.032	457.188	456.668	456.203
Na 330.237	7454.09	7585.38	7622.32
Ni 231.604	2373.46	2386.24	2377.49
Pb 220.353	470.876	470.834	468.018
Sb 206.834	920.203	917.600	913.466
Se 196.026	4725.09	4733.00	4725.77
Sn 189.925	4620.34	4626.83	4606.88
Sr 216.596	2264.29	2272.42	2266.15
Ti 334.941	433.680	433.536	434.052

Label	Replicates Concentration		
Tl 190.794	4705.41	4680.82	4681.40
V 292.401	4695.31	4695.50	4695.55
Zn 206.200	2328.38	2333.07	2324.51

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	452.370	ppb	1.4413	0.3	42132.8	90.47401
Al 308.215	4600.79	ppb	1.6511	0.0	36818.8	92.01587
As 188.980	473.301	ppb	3.7615	0.8	325.196	94.66023
B 249.678	471.444	ppb	0.7973	0.2	8991.35	94.28878
Ba 389.178	4476.78	ppb	9.8886	0.2	108042	89.53564Q
Be 313.042	475.343	ppb	0.6166	0.1	940104	95.06859
Ca 370.602	4515	ppb	12.06	0.3	14571	90.29109
Cd 226.502	462.336	ppb	0.4791	0.1	21278.6	92.46728
Co 228.615	472.288	ppb	1.0151	0.2	5552.07	94.45760
Cr 267.716	4704.59	ppb	5.5541	0.1	270676	94.09184
Cu 324.754	4857.87	ppb	10.4451	0.2	372161	97.15732
Fe 271.441	4525.83	ppb	6.7634	0.1	7747.67	90.51653
K 766.491	10010.7	ppb	9.3256	0.1	483086	100.10741
Mg 279.078	4735.54	ppb	4.6640	0.1	13677.9	94.71074
Mn 257.610	4805.58	ppb	9.4039	0.2	1154535	96.11155
Mo 202.032	456.687	ppb	0.4927	0.1	3151.58	91.33735
Na 330.237	7553.93	ppb	88.4127	1.2	385.265	100.71904
Ni 231.604	2379.06	ppb	6.5351	0.3	7737.09	95.16257
Pb 220.353	469.910	ppb	1.6380	0.3	770.876	93.98193
Sb 206.834	917.090	ppb	3.3970	0.4	1357.97	91.70897
Se 196.026	4727.95	ppb	4.3815	0.1	2286.29	94.55908
Sn 189.925	4618.02	ppb	10.1765	0.2	3505.61	92.36032
Sr 216.596	2267.62	ppb	4.2608	0.2	27481.0	90.70490
Ti 334.941	433.756	ppb	0.2661	0.1	142223	86.75123Q
Tl 190.794	4689.21	ppb	14.0339	0.3	5339.09	93.78419
V 292.401	4695.45	ppb	0.1300	0.0	141657	93.90908
Zn 206.200	2328.65	ppb	4.2897	0.2	2461.91	93.14617

Cont Calib Blank (CCB) **2/5/2015, 4:45:06 AM** **Rack 3, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	-0.1196u	0.1066	0.0918
Al 308.215	1.3453	0.2812	0.9303
As 188.980	-2.2773u	-3.7885u	-1.6103u
B 249.678	1.7868	1.3718	1.6390
Ba 389.178	-0.0470u	0.6388	-0.3487u
Be 313.042	0.0087	0.0146	0.0186
Ca 370.602	0.9299	1.682	4.952
Cd 226.502	0.0216	-0.0594u	0.1406
Co 228.615	-0.1202u	-0.5562u	0.0443
Cr 267.716	-0.2093u	-0.2203u	-0.0214u
Cu 324.754	0.1513	0.3015	0.4328
Fe 271.441	0.1305	2.0652	0.0647
K 766.491	-0.1990u	0.3816	0.0659
Mg 279.078	0.5060	1.3886	1.7039
Mn 257.610	0.1158	0.2004	0.2710
Mo 202.032	0.7983	0.1131	0.0017
Na 330.237	60.3454	-67.4200u	109.830

Label	Replicates Concentration		
Ni 231.604	0.9527	0.8138	0.6183
Pb 220.353	1.0291	-1.5480u	-0.7465u
Sb 206.834	5.3802	0.7288	1.3815
Se 196.026	-2.0695u	-3.1179u	0.8557
Sn 189.925	0.0200	0.2155	-0.2686u
Sr 216.596	0.2072	0.0928	0.0329
Ti 334.941	0.1180	0.1163	0.1343
Tl 190.794	2.6005	0.3630	-0.6632u
V 292.401	0.3645	0.3316	0.3407
Zn 206.200	1.8904	0.6085	0.4290

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0263	ppb	0.1266	481.9	-7.3626	0.02626
Al 308.215	0.8523	ppb	0.5363	62.9	331.044	0.85228
As 188.980	-2.5587	ppb	1.1160	43.6	-6.0208	-2.55874
B 249.678	1.5992	ppb	0.2104	13.2	72.7079	1.59923
Ba 389.178	0.0811	ppb	0.5060	624.3	-43.6040	0.08105
Be 313.042	0.0140	ppb	0.0050	35.6	-310.139	0.01399
Ca 370.602	2.521	ppb	2.138	84.8	23.54	2.52146
Cd 226.502	0.0343	ppb	0.1006	293.6	25.8865	0.03427
Co 228.615	-0.2107	ppb	0.3103	147.3	-3.3683	-0.21069
Cr 267.716	-0.1503	ppb	0.1118	74.4	22.0260	-0.15032
Cu 324.754	0.2952	ppb	0.1409	47.7	211.187	0.29517
Fe 271.441	0.7535	ppb	1.1365	150.8	7.1996	0.75346
K 766.491	0.0828	ppb	0.2907	350.9	332.563	0.08282
Mg 279.078	1.1995	ppb	0.6210	51.8	22.0228	1.19950
Mn 257.610	0.1957	ppb	0.0777	39.7	111.201	0.19573
Mo 202.032	0.3044	ppb	0.4314	141.7	7.7430	0.30437
Na 330.237	34.2519	ppb	91.4607	267.0	29.5828	34.25188
Ni 231.604	0.7949	ppb	0.1680	21.1	-2.5267	0.79493
Pb 220.353	-0.4218	ppb	1.3189	312.7	12.0261	-0.42181
Sb 206.834	2.4968	ppb	2.5183	100.9	-0.3922	2.49684
Se 196.026	-1.4439	ppb	2.0593	142.6	6.3693	-1.44391
Sn 189.925	-0.0110	ppb	0.2435	2207.3	-6.0883	-0.01103
Sr 216.596	0.1109	ppb	0.0885	79.8	3.5857	0.11094
Ti 334.941	0.1228	ppb	0.0100	8.1	0.5944	0.12285
Tl 190.794	0.7668	ppb	1.6689	217.7	-7.9801	0.76675
V 292.401	0.3456	ppb	0.0170	4.9	-2.7408	0.34561
Zn 206.200	0.9760	ppb	0.7970	81.7	1.4095	0.97596

680-109553-b-8-aPDS (Samp) **2/5/2015, 4:49:43 AM** **Rack 3, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	87.3288	87.4894	87.0830
Al 308.215	1118.34	1117.47	1117.64
As 188.980	115.364	113.018	109.470
B 249.678	531.263	533.629	532.031
Ba 389.178	108.272	108.430	107.912
Be 313.042	99.0288	99.3247	99.1020
Ca 370.602	202739	202994	202889
Cd 226.502	93.2175	93.1092	92.8275
Co 228.615	93.2474	94.0621	93.3716
Cr 267.716	96.3904	96.4793	96.4657

Label	Replicates Concentration		
Cu 324.754	105.743	105.810	105.905
Fe 271.441	20004.4	20072.5	19973.5
K 766.491	27179.8	27243.8	27235.6
Mg 279.078	62060.8	61993.6	61916.4
Mn 257.610	1424.30	1428.96	1422.69
Mo 202.032	104.859	103.995	104.614
Na 330.237	321623x	321716x	322096x
Ni 231.604	96.0851	94.8319	93.3897
Pb 220.353	93.1780	92.2648	95.9272
Sb 206.834	103.944	102.835	103.810
Se 196.026	99.3994	107.446	99.8981
Sn 189.925	96.1033	95.8401	93.8580
Sr 216.596	856.333	856.310	852.835
Ti 334.941	93.3126	93.5477	93.5198
Tl 190.794	17.8508	18.1791	17.0494
V 292.401	101.042	101.286	101.069
Zn 206.200	101.790	103.811	101.033

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	87.3004b	ppb	0.2047	0.2	8102.68
Al 308.215	1117.81b	ppb	0.4600	0.0	9033.81
As 188.980	112.617b	ppb	2.9671	2.6	74.0178
B 249.678	532.307b	ppb	1.2072	0.2	10091.6
Ba 389.178	108.205b	ppb	0.2656	0.2	2724.61
Be 313.042	99.1518b	ppb	0.1542	0.2	195813
Ca 370.602	202874b	ppb	128.5	0.1	638681
Cd 226.502	93.0514b	ppb	0.2013	0.2	4395.52
Co 228.615	93.5603b	ppb	0.4389	0.5	1098.89
Cr 267.716	96.4451b	ppb	0.0479	0.0	5601.88
Cu 324.754	105.819b	ppb	0.0818	0.1	8304.34
Fe 271.441	20016.8b	ppb	50.6321	0.3	33811.9
K 766.491	27219.7b	ppb	34.8675	0.1	1312972
Mg 279.078	61990.3b	ppb	72.2467	0.1	180195
Mn 257.610	1425.32b	ppb	3.2542	0.2	343060
Mo 202.032	104.490b	ppb	0.4454	0.4	725.597
Na 330.237	321812xb	ppb	250.414	0.1	17708.0
Ni 231.604	94.7689b	ppb	1.3488	1.4	304.888
Pb 220.353	93.7900b	ppb	1.9063	2.0	164.696
Sb 206.834	103.530b	ppb	0.6049	0.6	143.547
Se 196.026	102.248b	ppb	4.5086	4.4	56.8617
Sn 189.925	95.2671b	ppb	1.2274	1.3	66.4665
Sr 216.596	855.160b	ppb	2.0129	0.2	10492.5
Ti 334.941	93.4600b	ppb	0.1285	0.1	30709.9
Tl 190.794	17.6931b	ppb	0.5811	3.3	8.8358
V 292.401	101.132b	ppb	0.1341	0.1	3007.62
Zn 206.200	102.211b	ppb	1.4360	1.4	107.948

680-109553-b-8-b ms (Samp) **2/5/2015, 4:54:19 AM** **Rack 3, Tube 52**

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

Label	Replicates Concentration		
Ag 328.068	51.9255	51.7826	51.8148
Al 308.215	5511.86	5512.10	5510.59
As 188.980	111.478	111.424	106.434

Label	Replicates Concentration		
B 249.678	535.683	536.091	536.291
Ba 389.178	120.060	119.986	118.976
Be 313.042	51.9032	51.9743	51.9593
Ca 370.602	195825	196900	196165
Cd 226.502	49.0922	48.8465	48.6351
Co 228.615	49.1767	49.3979	49.9435
Cr 267.716	100.408	100.256	100.303
Cu 324.754	109.668	109.462	109.271
Fe 271.441	15340.3	15338.3	15372.7
K 766.491	20179.2	20238.9	20172.4
Mg 279.078	56456.4	56470.6	56434.9
Mn 257.610	932.604	933.880	933.489
Mo 202.032	106.813	107.532	107.720
Na 330.237	310848x	310067x	311364x
Ni 231.604	99.8255	101.362	99.0534
Pb 220.353	494.220	488.948	491.831
Sb 206.834	56.2245	55.7423	55.6677
Se 196.026	105.126	108.099	111.677
Sn 189.925	195.769	195.736	195.522
Sr 216.596	851.481	849.452	849.127
Ti 334.941	95.6702	95.7179	95.6903
Tl 190.794	40.6699	38.2654	39.3379
V 292.401	102.519	102.455	102.430
Zn 206.200	105.194	105.240	103.876

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.8409b	ppb	0.0750	0.1	4794.23
Al 308.215	5511.52b	ppb	0.8116	0.0	43188.7
As 188.980	109.779b	ppb	2.8968	2.6	72.0723
B 249.678	536.022b	ppb	0.3099	0.1	10173.7
Ba 389.178	119.674b	ppb	0.6054	0.5	2984.98
Be 313.042	51.9456b	ppb	0.0375	0.1	102437
Ca 370.602	196297b	ppb	549.0	0.3	618012
Cd 226.502	48.8579b	ppb	0.2287	0.5	2342.78
Co 228.615	49.5060b	ppb	0.3947	0.8	580.946
Cr 267.716	100.322b	ppb	0.0781	0.1	5820.37
Cu 324.754	109.467b	ppb	0.1986	0.2	8581.65
Fe 271.441	15350.4b	ppb	19.2837	0.1	25928.5
K 766.491	20196.8b	ppb	36.6318	0.2	974300
Mg 279.078	56453.9b	ppb	17.9632	0.0	164109
Mn 257.610	933.324b	ppb	0.6538	0.1	224809
Mo 202.032	107.355b	ppb	0.4791	0.4	745.591
Na 330.237	310759xb	ppb	653.030	0.2	17101.8
Ni 231.604	100.080b	ppb	1.1755	1.2	321.871
Pb 220.353	491.666b	ppb	2.6398	0.5	802.700
Sb 206.834	55.8781b	ppb	0.3022	0.5	75.5103
Se 196.026	108.301b	ppb	3.2800	3.0	59.6163
Sn 189.925	195.676b	ppb	0.1340	0.1	142.817
Sr 216.596	850.020b	ppb	1.2758	0.2	10421.0
Ti 334.941	95.6928b	ppb	0.0240	0.0	31431.6
Tl 190.794	39.4244b	ppb	1.2046	3.1	33.9468
V 292.401	102.468b	ppb	0.0460	0.0	3049.13
Zn 206.200	104.770b	ppb	0.7745	0.7	110.818

680-109553-b-8-c msd (Samp) **2/5/2015, 4:58:55 AM** **Rack 3, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.9735	51.9031	51.9000
Al 308.215	5530.85	5523.85	5513.08
As 188.980	109.475	105.280	108.870
B 249.678	534.966	535.385	534.558
Ba 389.178	119.885	119.392	119.771
Be 313.042	52.1325	51.9489	52.0450
Ca 370.602	195115	193150	194421
Cd 226.502	48.8594	48.4319	49.0003
Co 228.615	48.5851	49.7245	48.8673
Cr 267.716	100.522	100.308	100.526
Cu 324.754	110.020	110.310	109.808
Fe 271.441	15261.1	15263.5	15277.4
K 766.491	20125.4	20146.0	20096.2
Mg 279.078	56052.1	56006.8	56034.5
Mn 257.610	930.899	929.283	930.260
Mo 202.032	109.223	107.991	107.783
Na 330.237	308353x	309072x	307655x
Ni 231.604	99.3846	97.6179	100.499
Pb 220.353	492.402	493.024	491.922
Sb 206.834	55.1083	52.0462	54.2665
Se 196.026	108.941	109.103	109.433
Sn 189.925	190.363	191.964	198.308
Sr 216.596	841.655	844.312	840.811
Ti 334.941	96.2079	95.9160	95.7535
Tl 190.794	35.9167	38.3596	39.3849
V 292.401	102.333	102.493	102.796
Zn 206.200	107.293	108.580	106.842

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.9255b	ppb	0.0415	0.1	4802.35
Al 308.215	5522.59b	ppb	8.9530	0.2	43274.8
As 188.980	107.875b	ppb	2.2676	2.1	70.7466
B 249.678	534.970b	ppb	0.4132	0.1	10154.0
Ba 389.178	119.683b	ppb	0.2579	0.2	2984.20
Be 313.042	52.0422b	ppb	0.0918	0.2	102627
Ca 370.602	194229b	ppb	996.6	0.5	611500
Cd 226.502	48.7639b	ppb	0.2960	0.6	2338.11
Co 228.615	49.0590b	ppb	0.5934	1.2	575.670
Cr 267.716	100.452b	ppb	0.1246	0.1	5827.71
Cu 324.754	110.046b	ppb	0.2520	0.2	8626.03
Fe 271.441	15267.3b	ppb	8.7811	0.1	25788.2
K 766.491	20122.5b	ppb	24.9794	0.1	970716
Mg 279.078	56031.1b	ppb	22.8145	0.0	162880
Mn 257.610	930.148b	ppb	0.8138	0.1	224042
Mo 202.032	108.332b	ppb	0.7781	0.7	752.339
Na 330.237	308360xb	ppb	708.791	0.2	16969.9
Ni 231.604	99.1672b	ppb	1.4528	1.5	318.892
Pb 220.353	492.450b	ppb	0.5525	0.1	803.949
Sb 206.834	53.8070b	ppb	1.5819	2.9	72.5389
Se 196.026	109.159b	ppb	0.2508	0.2	60.0285
Sn 189.925	193.545b	ppb	4.2014	2.2	141.196
Sr 216.596	842.259b	ppb	1.8268	0.2	10326.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	95.9591b	ppb	0.2303	0.2	31518.4
Tl 190.794	37.8871b	ppb	1.7817	4.7	32.2034
V 292.401	102.541b	ppb	0.2351	0.2	3051.16
Zn 206.200	107.572b	ppb	0.9016	0.8	113.793

680-109553-b-4-a (Samp) **2/5/2015, 5:03:31 AM** **Rack 3, Tube 54**

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

Label	Replicates Concentration		
Ag 328.068	-0.2551u	-0.1260u	-0.1914u
Al 308.215	321.875	322.233	320.249
As 188.980	0.2564	6.4373	1.2224
B 249.678	892.759	896.034	892.936
Ba 389.178	107.399	106.172	107.091
Be 313.042	-0.0067	-0.0140	-0.0133
Ca 370.602	237133	238317	237759
Cd 226.502	-0.1083	-0.0152	-0.0112
Co 228.615	1.6436	1.3494	0.7961
Cr 267.716	13.5038	13.4459	13.7622
Cu 324.754	2.0897	2.0431	2.4203
Fe 271.441	2748.40	2743.22	2746.78
K 766.491	16424.6	16518.0	16469.9
Mg 279.078	54628.1	54693.1	54541.2
Mn 257.610	2209.44	2209.26	2206.47
Mo 202.032	6.5952	6.6492	6.7155
Na 330.237	213611x	213385x	213184x
Ni 231.604	19.4361	20.2849	20.5287
Pb 220.353	2.4426	1.0171	1.3635
Sb 206.834	2.7635	3.7792	2.1657
Se 196.026	-8.7168u	-3.3369u	2.5038
Sn 189.925	2.5690	1.7517	0.4985
Sr 216.596	1230.11	1229.61	1231.64
Ti 334.941	6.0023	5.9265	5.9227
Tl 190.794	-5.4479u	-4.5065u	2.1144
V 292.401	0.9721	1.1921	1.1479
Zn 206.200	8.2411	8.8351	5.2844

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1908b	ppb	0.0645	33.8	-63.3592
Al 308.215	321.452b	ppb	1.0573	0.3	2823.88
As 188.980	2.6387b	ppb	3.3250	126.0	-2.4221
B 249.678	893.910b	ppb	1.8421	0.2	16997.2
Ba 389.178	106.887b	ppb	0.6380	0.6	2660.88
Be 313.042	-0.0113b	ppb	0.0040	35.7	-296.600
Ca 370.602	237736b	ppb	592.3	0.2	748631
Cd 226.502	-0.0449b	ppb	0.0549	122.5	35.2939
Co 228.615	1.2630b	ppb	0.4303	34.1	14.1373
Cr 267.716	13.5706b	ppb	0.1684	1.2	828.645
Cu 324.754	2.1844b	ppb	0.2056	9.4	357.366
Fe 271.441	2746.14b	ppb	2.6492	0.1	4642.35
K 766.491	16470.8b	ppb	46.6765	0.3	794617
Mg 279.078	54620.8b	ppb	76.2165	0.1	158755
Mn 257.610	2208.39b	ppb	1.6627	0.1	531054
Mo 202.032	6.6533b	ppb	0.0602	0.9	51.4208

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	213393xb	ppb	213.748	0.1	11755.9
Ni 231.604	20.0832b	ppb	0.5735	2.9	60.4940
Pb 220.353	1.6077b	ppb	0.7435	46.2	15.9207
Sb 206.834	2.9028b	ppb	0.8157	28.1	0.3068
Se 196.026	-3.1833b	ppb	5.6118	176.3	6.0844
Sn 189.925	1.6064b	ppb	1.0429	64.9	-4.7906
Sr 216.596	1230.45b	ppb	1.0580	0.1	15045.5
Ti 334.941	5.9505b	ppb	0.0449	0.8	2003.12
Tl 190.794	-2.6133b	ppb	4.1213	157.7	-11.1335
V 292.401	1.1040b	ppb	0.1164	10.5	15.9031
Zn 206.200	7.4535b	ppb	1.9018	25.5	8.1601

680-109553-b-1-a (Samp) **2/5/2015, 5:08:08 AM** **Rack 3, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	-0.0033u	0.0810u	0.0590u
Al 308.215	61.0734	60.9551	59.9378
As 188.980	2.5110	-4.4902u	-3.6210u
B 249.678	763.929	765.213	766.604
Ba 389.178	82.1411	82.5232	81.4341
Be 313.042	-0.0395u	-0.0422u	-0.0421u
Ca 370.602	191463	189236	191021
Cd 226.502	-0.1860	-0.2415	-0.3871
Co 228.615	-0.5821u	-0.5182u	-0.6637u
Cr 267.716	0.0579	0.0873	0.1714
Cu 324.754	0.3430	0.3215	0.3532
Fe 271.441	14678.8	14650.0	14676.5
K 766.491	13087.7	12831.9	12818.5
Mg 279.078	46678.5	46746.9	46684.9
Mn 257.610	516.488	516.171	516.788
Mo 202.032	2.5936	2.5204	2.3801
Na 330.237	82823.8	83110.4	83098.2
Ni 231.604	4.3812	2.9238	4.3663
Pb 220.353	3.6954	-2.8331u	0.5744
Sb 206.834	2.7721	4.5320	1.9409
Se 196.026	-2.7416u	-1.3291u	-2.9365u
Sn 189.925	-0.3067u	3.2072	-1.3714u
Sr 216.596	534.486	535.952	534.894
Ti 334.941	1.8670	1.7205	1.6726
Tl 190.794	0.4434u	-1.9947u	0.5426u
V 292.401	0.7353	0.6410	0.7581
Zn 206.200	4.7143	4.4668	4.2033

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0456	ppb	0.0437	95.9	-26.8921
Al 308.215	60.6554	ppb	0.6243	1.0	797.870
As 188.980	-1.8667	ppb	3.8161	204.4	-5.6405
B 249.678	765.249	ppb	1.3376	0.2	14524.3
Ba 389.178	82.0328	ppb	0.5526	0.7	2052.89
Be 313.042	-0.0413	ppb	0.0016	3.8	-358.067
Ca 370.602	190573	ppb	1179	0.6	599938
Cd 226.502	-0.2715	ppb	0.1038	38.2	84.6414
Co 228.615	-0.5880	ppb	0.0729	12.4	-6.7863

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.1056	ppb	0.0589	55.8	48.6299
Cu 324.754	0.3393	ppb	0.0162	4.8	221.312
Fe 271.441	14668.4	ppb	16.0179	0.1	24770.0
K 766.491	12912.7	ppb	151.687	1.2	623029
Mg 279.078	46703.4	ppb	37.7679	0.1	135776
Mn 257.610	516.482	ppb	0.3088	0.1	124588
Mo 202.032	2.4980	ppb	0.1085	4.3	22.1788
Na 330.237	83010.8	ppb	162.077	0.2	4586.29
Ni 231.604	3.8904	ppb	0.8372	21.5	8.8707
Pb 220.353	0.4789	ppb	3.2653	681.8	14.5748
Sb 206.834	3.0817	ppb	1.3230	42.9	0.6785
Se 196.026	-2.3357	ppb	0.8772	37.6	6.2030
Sn 189.925	0.5097	ppb	2.3959	470.1	-5.6660
Sr 216.596	535.110	ppb	0.7565	0.1	6596.92
Ti 334.941	1.7534	ppb	0.1013	5.8	623.913
Tl 190.794	-0.3363	ppb	1.4371	427.4	-11.3660
V 292.401	0.7114	ppb	0.0621	8.7	1.6192
Zn 206.200	4.4615	ppb	0.2555	5.7	4.5992

680-109553-b-6-a (Samp) **2/5/2015, 5:12:44 AM** **Rack 3, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	0.0773u	0.0385u	-0.0252u
Al 308.215	7.3071	7.4701	6.8281
As 188.980	-1.6566u	-1.4235u	4.8071
B 249.678	607.129	608.550	606.461
Ba 389.178	50.1740	50.1398	49.9096
Be 313.042	-0.0470u	-0.0543u	-0.0481u
Ca 370.602	212661	213739	212998
Cd 226.502	-0.1205	-0.1716	-0.1292
Co 228.615	4.6702	4.8614	4.8583
Cr 267.716	-0.2893u	-0.2064	-0.2926u
Cu 324.754	0.0640	0.1499	0.0872
Fe 271.441	12848.7	12868.0	12811.0
K 766.491	13755.2	13743.1	13692.4
Mg 279.078	55343.3	55311.7	55241.5
Mn 257.610	395.090	395.091	394.286
Mo 202.032	2.7188	2.4253	2.4088
Na 330.237	169130x	168548x	168418x
Ni 231.604	2.5103	2.1398	3.7207
Pb 220.353	0.5545	2.0428	-0.9627u
Sb 206.834	3.5612	1.5547	3.3587
Se 196.026	-1.3886u	4.2643	-0.2652
Sn 189.925	-0.1504u	3.3463	-1.3736u
Sr 216.596	654.403	654.644	652.154
Ti 334.941	-0.1070	-0.1003	-0.1106
Tl 190.794	2.4635	0.9711u	0.8166u
V 292.401	0.2652	0.8753	0.5286
Zn 206.200	3.4375	4.8125	6.0861

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0302b	ppb	0.0518	171.4	-33.3871
Al 308.215	7.2018b	ppb	0.3337	4.6	382.056

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.5757b	ppb	3.6664	636.9	-3.9272
B 249.678	607.380b	ppb	1.0670	0.2	11533.5
Ba 389.178	50.0744b	ppb	0.1438	0.3	1299.56
Be 313.042	-0.0498b	ppb	0.0039	7.9	-376.015
Ca 370.602	213133b	ppb	551.5	0.3	670990
Cd 226.502	-0.1404b	ppb	0.0274	19.5	81.2844
Co 228.615	4.7967b	ppb	0.1095	2.3	56.3038
Cr 267.716	-0.2628b	ppb	0.0489	18.6	27.6787
Cu 324.754	0.1004b	ppb	0.0444	44.3	202.197
Fe 271.441	12842.6b	ppb	28.9873	0.2	21688.1
K 766.491	13730.2b	ppb	33.3044	0.2	662455
Mg 279.078	55298.9b	ppb	52.1438	0.1	160766
Mn 257.610	394.822b	ppb	0.4643	0.1	95430.8
Mo 202.032	2.5176b	ppb	0.1744	6.9	22.4004
Na 330.237	168699xb	ppb	379.459	0.2	9296.58
Ni 231.604	2.7903b	ppb	0.8268	29.6	5.1131
Pb 220.353	0.5449b	ppb	1.5028	275.8	14.5321
Sb 206.834	2.8248b	ppb	1.1046	39.1	0.2751
Se 196.026	0.8701b	ppb	2.9926	343.9	7.7015
Sn 189.925	0.6074b	ppb	2.4495	403.3	-5.5645
Sr 216.596	653.734b	ppb	1.3731	0.2	8044.90
Ti 334.941	-0.1059b	ppb	0.0052	4.9	23.6042
Tl 190.794	1.4171b	ppb	0.9095	64.2	-9.1230
V 292.401	0.5564b	ppb	0.3060	55.0	-2.9162
Zn 206.200	4.7787b	ppb	1.3246	27.7	4.9991

680-109553-b-11-a (Samp) **2/5/2015, 5:17:20 AM** **Rack 3, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0688u	-0.1095u	-0.0179u
Al 308.215	97.3595	96.7676	95.6157
As 188.980	-3.5126u	-5.7534u	3.6167
B 249.678	330.842	329.641	331.205
Ba 389.178	42.1180	43.7534	42.3680
Be 313.042	-0.0358u	-0.0351u	-0.0412u
Ca 370.602	177655	176068	176217
Cd 226.502	-0.2071	-0.0196	0.0178
Co 228.615	-0.0234	-0.4130u	-0.6881u
Cr 267.716	10.4165	10.5193	10.2019
Cu 324.754	7.2998	7.6232	7.3813
Fe 271.441	11060.3	11045.9	11059.5
K 766.491	19095.4	19037.6	19090.3
Mg 279.078	46024.2	46034.7	46054.2
Mn 257.610	372.255	372.311	372.555
Mo 202.032	10.3336	10.7665	10.2334
Na 330.237	177988x	177265x	179046x
Ni 231.604	16.1906	16.2140	16.6809
Pb 220.353	0.2149	1.5732	-0.1412
Sb 206.834	5.1848	1.9151	-1.3522u
Se 196.026	1.5632	-6.3928u	2.6471
Sn 189.925	4.1419	1.7361	4.0437
Sr 216.596	560.290	562.457	563.157
Ti 334.941	3.6207	3.4211	3.6110

Label	Replicates Concentration		
Tl 190.794	-4.6335u	-0.8250u	-4.0116u
V 292.401	1.2419	0.8878	1.0237
Zn 206.200	11.4065	10.7591	6.9566

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0654b	ppb	0.0459	70.2	-38.3420
Al 308.215	96.5809b	ppb	0.8868	0.9	1076.97
As 188.980	-1.8831b	ppb	4.8930	259.8	-5.6296
B 249.678	330.563b	ppb	0.8185	0.2	6285.57
Ba 389.178	42.7465b	ppb	0.8809	2.1	1100.18
Be 313.042	-0.0374b	ppb	0.0033	8.9	-367.988
Ca 370.602	176647b	ppb	876.4	0.5	556126
Cd 226.502	-0.0696b	ppb	0.1205	173.0	75.4853
Co 228.615	-0.3748b	ppb	0.3340	89.1	-4.6907
Cr 267.716	10.3792b	ppb	0.1620	1.6	639.125
Cu 324.754	7.4348b	ppb	0.1682	2.3	763.395
Fe 271.441	11055.2b	ppb	8.0982	0.1	18670.1
K 766.491	19074.4b	ppb	31.9783	0.2	920174
Mg 279.078	46037.7b	ppb	15.2441	0.0	133844
Mn 257.610	372.373b	ppb	0.1593	0.0	89951.8
Mo 202.032	10.4445b	ppb	0.2833	2.7	77.1838
Na 330.237	178099xb	ppb	895.878	0.5	9813.65
Ni 231.604	16.3618b	ppb	0.2766	1.7	49.1362
Pb 220.353	0.5489b	ppb	0.9047	164.8	14.4071
Sb 206.834	1.9159b	ppb	3.2685	170.6	-1.0563
Se 196.026	-0.7275b	ppb	4.9361	678.5	6.9092
Sn 189.925	3.3073b	ppb	1.3615	41.2	-3.5085
Sr 216.596	561.968b	ppb	1.4949	0.3	6912.89
Ti 334.941	3.5510b	ppb	0.1125	3.2	1203.20
Tl 190.794	-3.1567b	ppb	2.0431	64.7	-14.0934
V 292.401	1.0511b	ppb	0.1786	17.0	10.2858
Zn 206.200	9.7074b	ppb	2.4042	24.8	10.2698

640-50339-h-8-a (Samp) **2/5/2015, 5:21:57 AM** **Rack 3, Tube 58**

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

Label	Replicates Concentration		
Ag 328.068	1.0386	0.9166	1.2373
Al 308.215	397.742	394.347	391.461
As 188.980	110.909	109.826	110.615
B 249.678	76.8608	76.2721	75.4700
Ba 389.178	49.8512	49.5085	49.5381
Be 313.042	1.1150	1.1115	1.1091
Ca 370.602	2946	2940	2933
Cd 226.502	3.5761	3.6962	3.5863
Co 228.615	6.9553	6.5977	7.6177
Cr 267.716	12.6640	12.9693	12.8476
Cu 324.754	132.942	132.659	130.278
Fe 271.441	27876.4	27855.5	27830.7
K 766.491	254920x	252793x	255719x
Mg 279.078	15584.5	15570.6	15550.6
Mn 257.610	24.6545	24.6280	24.6262
Mo 202.032	19.3847	18.2487	18.5704
Na 330.237	17994714x	17976788x	18111004x

Label	Replicates Concentration		
Ni 231.604	71.2193	71.7131	69.0718
Pb 220.353	6.3856	6.8223	5.4172
Sb 206.834	0.1877	5.3664	-1.0121u
Se 196.026	26.2302	38.9531	22.8606
Sn 189.925	-5.8557	-16.0582u	-9.3134u
Sr 216.596	277.818	279.190	281.410
Ti 334.941	153.342	152.600	152.715
Tl 190.794	-16.1530u	-11.4442u	-13.8813u
V 292.401	71.9929	71.1810	71.8930
Zn 206.200	152.896	147.632	153.521

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0642b	ppb	0.1619	15.2	73.6947
Al 308.215	394.517b	ppb	3.1438	0.8	3405.28
As 188.980	110.450b	ppb	0.5598	0.5	72.4797
B 249.678	76.2010b	ppb	0.6982	0.9	1415.19
Ba 389.178	49.6326b	ppb	0.1899	0.4	1211.45
Be 313.042	1.1119b	ppb	0.0030	0.3	-279.945
Ca 370.602	2940b	ppb	6.333	0.2	9026
Cd 226.502	3.6195b	ppb	0.0666	1.8	208.452
Co 228.615	7.0569b	ppb	0.5176	7.3	86.9307
Cr 267.716	12.8269b	ppb	0.1537	1.2	1156.47
Cu 324.754	131.960b	ppb	1.4634	1.1	10306.7
Fe 271.441	27854.2b	ppb	22.8982	0.1	47032.5
K 766.491	254478xb	ppb	1512.42	0.6	12272247
Mg 279.078	15568.6b	ppb	17.0480	0.1	45276.2
Mn 257.610	24.6362b	ppb	0.0159	0.1	6110.15
Mo 202.032	18.7346b	ppb	0.5855	3.1	133.510
Na 330.237	18027502xb	ppb	72868.2	0.4	990891
Ni 231.604	70.6681b	ppb	1.4043	2.0	227.386
Pb 220.353	6.2084b	ppb	0.7191	11.6	24.4819
Sb 206.834	1.5140b	ppb	3.3898	223.9	-1.3421
Se 196.026	29.3480b	ppb	8.4872	28.9	21.4781
Sn 189.925	-10.4091b	ppb	5.1888	49.8	-8.3036
Sr 216.596	279.473b	ppb	1.8129	0.6	3432.24
Ti 334.941	152.886b	ppb	0.3991	0.3	48536.7
Tl 190.794	-13.8262b	ppb	2.3549	17.0	-29.0751
V 292.401	71.6890b	ppb	0.4427	0.6	1986.71
Zn 206.200	151.350b	ppb	3.2348	2.1	159.970

640-50339-h-11-a (Samp) **2/5/2015, 5:26:33 AM** **Rack 3, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	-0.0494u	0.0259u	0.1723u
Al 308.215	15.3818	12.3824	14.4342
As 188.980	0.4076	-1.3490u	1.9196
B 249.678	1230.88	1233.22	1240.13
Ba 389.178	78.3807	78.8736	79.0429
Be 313.042	0.2412u	0.2448u	0.2333u
Ca 370.602	38265	38259	38191
Cd 226.502	0.4851	0.4979	0.3001
Co 228.615	0.2885	0.4780	0.5296
Cr 267.716	0.3251	0.1604	0.2405

Label	Replicates Concentration		
Cu 324.754	0.8206	1.0055	1.1239
Fe 271.441	3993.89	3987.75	3999.41
K 766.491	112835x	112984x	114213x
Mg 279.078	97243.9	97133.0	97061.8
Mn 257.610	21.9102	21.8834	21.8982
Mo 202.032	0.7461	0.0870	0.7761
Na 330.237	4189028x	4163900x	4198110x
Ni 231.604	6.9615	5.1864	5.5915
Pb 220.353	0.6788	-0.6776u	0.5696
Sb 206.834	-4.6392u	1.9474	1.3676
Se 196.026	9.5156	13.7771	2.9112
Sn 189.925	-2.4379u	-2.6862u	-1.9513u
Sr 216.596	629.492	630.188	626.408
Ti 334.941	9.8109	9.7330	9.8583
Tl 190.794	-2.6291u	-2.4772u	-4.1020u
V 292.401	8.4612	8.8520	8.5256
Zn 206.200	5.2484	7.2559	7.4023

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0496b	ppb	0.1128	227.4	-31.2085
Al 308.215	14.0661b	ppb	1.5332	10.9	435.352
As 188.980	0.3260b	ppb	1.6358	501.7	-4.0395
B 249.678	1234.74b	ppb	4.8070	0.4	23461.6
Ba 389.178	78.7657b	ppb	0.3440	0.4	2079.66
Be 313.042	0.2398b	ppb	0.0059	2.5	-353.367
Ca 370.602	38238b	ppb	40.88	0.1	120379
Cd 226.502	0.4277b	ppb	0.1107	25.9	37.2816
Co 228.615	0.4320b	ppb	0.1270	29.4	4.7402
Cr 267.716	0.2420b	ppb	0.0824	34.0	133.696
Cu 324.754	0.9833b	ppb	0.1529	15.5	265.606
Fe 271.441	3993.69b	ppb	5.8299	0.1	6748.44
K 766.491	113344xb	ppb	756.534	0.7	5466215
Mg 279.078	97146.3b	ppb	91.7823	0.1	282426
Mn 257.610	21.8973b	ppb	0.0134	0.1	6150.57
Mo 202.032	0.5364b	ppb	0.3895	72.6	9.1444
Na 330.237	4183679xb	ppb	17721.2	0.4	229981
Ni 231.604	5.9131b	ppb	0.9303	15.7	14.4908
Pb 220.353	0.1903b	ppb	0.7536	396.0	13.2835
Sb 206.834	-0.4414b	ppb	3.6470	826.2	-4.4843
Se 196.026	8.7346b	ppb	5.4749	62.7	11.3178
Sn 189.925	-2.3585b	ppb	0.3738	15.9	-6.5490
Sr 216.596	628.696b	ppb	2.0122	0.3	7658.69
Ti 334.941	9.8007b	ppb	0.0632	0.6	2998.62
Tl 190.794	-3.0694b	ppb	0.8974	29.2	-12.9754
V 292.401	8.6130b	ppb	0.2095	2.4	211.289
Zn 206.200	6.6356b	ppb	1.2035	18.1	7.2722

CRI (Samp) **2/5/2015, 5:31:09 AM** **Rack 3, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	9.7464	9.6647	9.9031
Al 308.215	189.972	191.550	193.118
As 188.980	18.6142	13.6322	13.0856

Label	Replicates Concentration		
B 249.678	104.239	104.220	104.305
Ba 389.178	8.6742	9.3054	9.4981
Be 313.042	4.1294	4.1201	4.1077
Ca 370.602	487.8	482.6	486.4
Cd 226.502	4.8098	4.8318	4.8829
Co 228.615	9.6472	9.7479	10.5792
Cr 267.716	9.8835	9.8337	9.6385
Cu 324.754	20.0820	20.4027	20.3344
Fe 271.441	50.7702	51.9017	50.2231
K 766.491	1014.55	1019.05	1018.88
Mg 279.078	506.120	511.567	513.139
Mn 257.610	10.5880	10.5530	10.5796
Mo 202.032	9.7816	10.2143	9.9568
Na 330.237	1268.04	1232.77	1290.53
Ni 231.604	39.2699	39.3483	38.5503
Pb 220.353	9.3516	9.5236	9.4822
Sb 206.834	17.2332	20.8762	15.6464
Se 196.026	13.3591	16.4374	15.0069
Sn 189.925	47.1947	47.3190	44.9911
Sr 216.596	9.5959	9.5261	9.5278
Ti 334.941	9.2015	9.2360	9.2706
Tl 190.794	22.2532	26.2448	24.4501
V 292.401	10.5111	10.2620	10.7844
Zn 206.200	20.2093	21.7289	21.4065

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.7714	ppb	0.1212	1.2	901.194
Al 308.215	191.547	ppb	1.5730	0.8	1815.16
As 188.980	15.1106	ppb	3.0464	20.2	6.2809
B 249.678	104.255	ppb	0.0444	0.0	2020.79
Ba 389.178	9.1592	ppb	0.4309	4.7	176.796
Be 313.042	4.1191	ppb	0.0109	0.3	7808.84
Ca 370.602	485.6	ppb	2.712	0.6	1549
Cd 226.502	4.8415	ppb	0.0375	0.8	246.885
Co 228.615	9.9914	ppb	0.5115	5.1	116.402
Cr 267.716	9.7852	ppb	0.1295	1.3	593.620
Cu 324.754	20.2731	ppb	0.1689	0.8	1741.40
Fe 271.441	50.9650	ppb	0.8561	1.7	93.3197
K 766.491	1017.49	ppb	2.5526	0.3	49396.0
Mg 279.078	510.275	ppb	3.6835	0.7	1501.62
Mn 257.610	10.5735	ppb	0.0182	0.2	2608.75
Mo 202.032	9.9842	ppb	0.2176	2.2	74.5246
Na 330.237	1263.78	ppb	29.1161	2.3	96.6506
Ni 231.604	39.0562	ppb	0.4398	1.1	121.978
Pb 220.353	9.4524	ppb	0.0898	0.9	27.8595
Sb 206.834	17.9186	ppb	2.6814	15.0	21.5667
Se 196.026	14.9345	ppb	1.5404	10.3	14.2637
Sn 189.925	46.5016	ppb	1.3096	2.8	29.2818
Sr 216.596	9.5499	ppb	0.0399	0.4	117.303
Ti 334.941	9.2361	ppb	0.0346	0.4	2990.26
Tl 190.794	24.3160	ppb	1.9992	8.2	18.8392
V 292.401	10.5192	ppb	0.2613	2.5	302.332
Zn 206.200	21.1149	ppb	0.8006	3.8	22.7584

Cont Calib Verif (CCV) **2/5/2015, 5:35:46 AM** **Rack 4, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	455.222	456.643	456.044
Al 308.215	4582.76	4571.55	4569.11
As 188.980	465.754	465.994	452.759
B 249.678	471.060	469.896	469.583
Ba 389.178	4546.48	4541.34	4534.22
Be 313.042	483.503	481.335	480.521
Ca 370.602	4610	4613	4590
Cd 226.502	468.745	467.930	465.772
Co 228.615	479.635	478.820	479.014
Cr 267.716	4798.14	4797.20	4777.97
Cu 324.754	4807.46	4740.51	4781.30
Fe 271.441	4605.58	4604.26	4589.90
K 766.491	9590.24	9551.79	9592.35
Mg 279.078	4794.42	4786.63	4770.66
Mn 257.610	4882.07	4861.76	4873.37
Mo 202.032	464.052	463.023	460.419
Na 330.237	7754.18	7506.42	7620.73
Ni 231.604	2410.61	2403.47	2393.05
Pb 220.353	483.873	477.760	479.196
Sb 206.834	910.183	907.824	909.195
Se 196.026	4616.97	4609.16	4604.02
Sn 189.925	4699.76	4673.30	4672.26
Sr 216.596	2333.32	2331.94	2321.05
Ti 334.941	433.665	433.325	433.300
Tl 190.794	4772.76	4732.40	4731.68
V 292.401	4734.56	4730.44	4727.12
Zn 206.200	2406.95	2395.33	2400.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	455.969	ppb	0.7134	0.2	42466.6	91.19386
Al 308.215	4574.47	ppb	7.2821	0.2	36619.9	91.48946
As 188.980	461.502	ppb	7.5726	1.6	316.978	92.30049
B 249.678	470.180	ppb	0.7786	0.2	8967.07	94.03593
Ba 389.178	4540.68	ppb	6.1543	0.1	109584	90.81358
Be 313.042	481.787	ppb	1.5410	0.3	952851	96.35732
Ca 370.602	4604	ppb	12.82	0.3	14855	92.08455
Cd 226.502	467.482	ppb	1.5358	0.3	21515.3	93.49650
Co 228.615	479.157	ppb	0.4256	0.1	5632.79	95.83133
Cr 267.716	4791.10	ppb	11.3795	0.2	275653	95.82207
Cu 324.754	4776.43	ppb	33.7400	0.7	365924	95.52850
Fe 271.441	4599.91	ppb	8.6924	0.2	7874.04	91.99826
K 766.491	9578.12	ppb	22.8332	0.2	462224	95.78124
Mg 279.078	4783.90	ppb	12.1091	0.3	13816.9	95.67805
Mn 257.610	4872.40	ppb	10.1880	0.2	1170589	97.44806
Mo 202.032	462.498	ppb	1.8729	0.4	3191.64	92.49960
Na 330.237	7627.11	ppb	124.004	1.6	387.519	101.69476
Ni 231.604	2402.38	ppb	8.8269	0.4	7812.95	96.09507
Pb 220.353	480.276	ppb	3.1965	0.7	787.599	96.05518
Sb 206.834	909.067	ppb	1.1847	0.1	1347.67	90.90674
Se 196.026	4610.05	ppb	6.5227	0.1	2229.50	92.20102
Sn 189.925	4681.77	ppb	15.5863	0.3	3554.09	93.63544
Sr 216.596	2328.77	ppb	6.7178	0.3	28223.0	93.15073

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	433.430	ppb	0.2041	0.0	142116	86.68604Q
Tl 190.794	4745.61	ppb	23.5112	0.5	5403.39	94.91225
V 292.401	4730.71	ppb	3.7279	0.1	142717	94.61412
Zn 206.200	2401.01	ppb	5.8124	0.2	2538.50	96.04042

Cont Calib Blank (CCB) **2/5/2015, 5:40:23 AM** **Rack 4, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	-0.0410u	0.1362	0.0805
Al 308.215	0.3054	-0.4755u	-0.7532u
As 188.980	-2.4525u	0.4427	-4.7830u
B 249.678	4.3612	3.4273	3.2044
Ba 389.178	-0.0135u	-0.0989u	0.4550
Be 313.042	0.0189	0.0248	0.0318
Ca 370.602	0.5799	-0.5418u	-0.3234u
Cd 226.502	0.1314	0.0847	-0.0340u
Co 228.615	-0.2440u	0.3151	0.4103
Cr 267.716	-0.0727u	0.0485	-0.0096u
Cu 324.754	-0.1372u	-0.2578u	-0.1599u
Fe 271.441	4.6743	2.8519	1.8421
K 766.491	1.9236	2.1484	2.5857
Mg 279.078	0.1755	2.2160	1.4292
Mn 257.610	0.2160	0.2292	0.2631
Mo 202.032	0.3029	-0.2754u	0.2392
Na 330.237	211.151	101.888	-69.7015u
Ni 231.604	0.5404	0.8115	0.9937
Pb 220.353	1.4855	-1.9613u	-1.2146u
Sb 206.834	3.4562	1.2726	2.8273
Se 196.026	3.6422	-3.0139u	-6.9355u
Sn 189.925	0.8904	4.2349	0.6582
Sr 216.596	-0.1042u	-0.0669u	0.0793
Ti 334.941	0.1582	0.0749	0.0747
Tl 190.794	0.5511	0.3917	1.4120
V 292.401	0.3698	0.3113	0.2259
Zn 206.200	-0.5994u	0.0722	1.8034

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0586	ppb	0.0906	154.8	-4.3384	0.05855
Al 308.215	-0.3078	ppb	0.5489	178.3	322.012	-0.30776
As 188.980	-2.2643	ppb	2.6179	115.6	-5.8157	-2.26427
B 249.678	3.6643	ppb	0.6137	16.7	111.901	3.66430
Ba 389.178	0.1142	ppb	0.2982	261.2	-42.8025	0.11419
Be 313.042	0.0252	ppb	0.0065	25.6	-287.968	0.02519
Ca 370.602	-0.0951	ppb	0.5947	625.2	15.23	-0.09512
Cd 226.502	0.0607	ppb	0.0853	140.6	27.1251	0.06069
Co 228.615	0.1605	ppb	0.3535	220.3	0.9953	0.16047
Cr 267.716	-0.0112	ppb	0.0606	539.7	30.0319	-0.01123
Cu 324.754	-0.1849	ppb	0.0641	34.6	174.415	-0.18494
Fe 271.441	3.1228	ppb	1.4354	46.0	11.2531	3.12276
K 766.491	2.2192	ppb	0.3367	15.2	435.590	2.21924
Mg 279.078	1.2736	ppb	1.0291	80.8	22.2372	1.27357
Mn 257.610	0.2361	ppb	0.0243	10.3	120.909	0.23610
Mo 202.032	0.0889	ppb	0.3171	356.7	6.2560	0.08891

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	81.1125	ppb	141.574	174.5	32.1687	81.11252
Ni 231.604	0.7819	ppb	0.2281	29.2	-2.5699	0.78188
Pb 220.353	-0.5635	ppb	1.8133	321.8	11.7994	-0.56345
Sb 206.834	2.5187	ppb	1.1240	44.6	-0.3552	2.51870
Se 196.026	-2.1024	ppb	5.3474	254.4	6.0521	-2.10238
Sn 189.925	1.9278	ppb	2.0014	103.8	-4.6139	1.92783
Sr 216.596	-0.0306	ppb	0.0970	316.8	1.8672	-0.03062
Ti 334.941	0.1026	ppb	0.0482	47.0	-6.0511	0.10259
Tl 190.794	0.7850	ppb	0.5489	69.9	-7.9584	0.78495
V 292.401	0.3023	ppb	0.0724	23.9	-4.0218	0.30234
Zn 206.200	0.4254	ppb	1.2397	291.4	0.8248	0.42539

mb 680-369523/1-a (Samp) **2/5/2015, 5:45:00 AM** **Rack 4, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	0.0396	-0.0030u	-0.0521u
Al 308.215	2.4197	1.3047	2.0526
As 188.980	-2.5175u	-3.6720u	-6.4955u
B 249.678	2.2549	2.3081	2.2621
Ba 389.178	-0.4204u	-0.7779u	-0.2721u
Be 313.042	0.0081	0.0109	0.0071
Ca 370.602	8.206	7.824	0.7963
Cd 226.502	0.1064	0.1294	-0.0413u
Co 228.615	-0.5150u	-0.1951u	0.3661
Cr 267.716	0.1124	0.0800	0.2421
Cu 324.754	-0.1527u	-0.3048u	-0.2623u
Fe 271.441	8.5374	3.5383	4.2738
K 766.491	1.6332	1.8171	1.2659
Mg 279.078	2.0233	1.7066	2.4927
Mn 257.610	0.1508	0.0910	0.1175
Mo 202.032	0.0797	0.2173	0.0446
Na 330.237	122.911	119.377	-34.3051u
Ni 231.604	0.6986	-0.4264u	-0.8881u
Pb 220.353	0.8319	1.8794	2.4397
Sb 206.834	0.7744	1.7315	1.7748
Se 196.026	-2.8002u	-3.7573u	2.7617
Sn 189.925	-0.6201u	2.7663	-0.6707u
Sr 216.596	0.4696	-0.2169u	0.2686
Ti 334.941	0.0920	0.0773	0.0964
Tl 190.794	0.7017	-1.8198u	1.2083
V 292.401	0.2077	-0.0236u	0.0793
Zn 206.200	0.2555	1.3151	1.3275

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0052	ppb	0.0459	885.9	-10.2927
Al 308.215	1.9257	ppb	0.5683	29.5	339.342
As 188.980	-4.2283	ppb	2.0465	48.4	-7.1835
B 249.678	2.2750	ppb	0.0289	1.3	85.4992
Ba 389.178	-0.4901	ppb	0.2600	53.0	-57.3846
Be 313.042	0.0087	ppb	0.0020	22.4	-320.598
Ca 370.602	5.609	ppb	4.172	74.4	33.16
Cd 226.502	0.0649	ppb	0.0926	142.8	27.3257
Co 228.615	-0.1147	ppb	0.4460	389.0	-2.2367

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.1448	ppb	0.0858	59.2	39.0142
Cu 324.754	-0.2399	ppb	0.0785	32.7	170.212
Fe 271.441	5.4498	ppb	2.6991	49.5	15.1428
K 766.491	1.5721	ppb	0.2806	17.9	404.380
Mg 279.078	2.0742	ppb	0.3955	19.1	24.5668
Mn 257.610	0.1197	ppb	0.0300	25.0	92.9786
Mo 202.032	0.1139	ppb	0.0913	80.2	6.4284
Na 330.237	69.3276	ppb	89.7660	129.5	31.5055
Ni 231.604	-0.2053	ppb	0.8162	397.5	-5.7819
Pb 220.353	1.7170	ppb	0.8161	47.5	15.4591
Sb 206.834	1.4269	ppb	0.5655	39.6	-1.9107
Se 196.026	-1.2653	ppb	3.5201	278.2	6.4554
Sn 189.925	0.4918	ppb	1.9699	400.5	-5.7059
Sr 216.596	0.1738	ppb	0.3530	203.1	4.3931
Ti 334.941	0.0886	ppb	0.0100	11.3	-10.6550
Tl 190.794	0.0301	ppb	1.6219	5392.8	-8.8196
V 292.401	0.0878	ppb	0.1159	132.0	-10.5273
Zn 206.200	0.9660	ppb	0.6153	63.7	1.3981

lcs 680-369523/2-a (Samp) **2/5/2015, 5:49:37 AM** **Rack 4, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	96.8191	96.3242	96.4143
Al 308.215	10027.0	9978.97	9981.40
As 188.980	201.296	199.546	202.830
B 249.678	403.885	401.178	403.226
Ba 389.178	186.718	186.628	186.761
Be 313.042	104.086	103.600	103.571
Ca 370.602	9547	9498	9457
Cd 226.502	98.2073	97.2463	98.0267
Co 228.615	99.9843	98.8275	98.3505
Cr 267.716	201.123	200.689	199.888
Cu 324.754	207.103	205.769	206.067
Fe 271.441	9601.06	9534.09	9548.15
K 766.491	11771.9	11708.7	11722.2
Mg 279.078	9827.36	9785.35	9800.10
Mn 257.610	1040.41	1034.72	1036.09
Mo 202.032	194.542	193.542	193.030
Na 330.237	127964x	127557x	127911x
Ni 231.604	198.992	197.857	197.861
Pb 220.353	992.214	984.937	984.416
Sb 206.834	101.041	96.3216	98.5814
Se 196.026	212.886	201.600	202.534
Sn 189.925	387.267	375.851	382.401
Sr 216.596	191.703	189.744	190.663
Ti 334.941	187.344	186.783	186.925
Tl 190.794	76.8045	74.2028	74.1290
V 292.401	204.045	203.294	203.319
Zn 206.200	197.792	197.686	198.569

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	96.5192b	ppb	0.2636	0.3	8988.93
Al 308.215	9995.78b	ppb	27.0364	0.3	78064.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	201.224b	ppb	1.6435	0.8	135.768
B 249.678	402.763b	ppb	1.4116	0.4	7661.08
Ba 389.178	186.702b	ppb	0.0679	0.0	4492.80
Be 313.042	103.752b	ppb	0.2893	0.3	204855
Ca 370.602	9501b	ppb	44.75	0.5	29944
Cd 226.502	97.8268b	ppb	0.5107	0.5	4563.45
Co 228.615	99.0541b	ppb	0.8401	0.8	1162.26
Cr 267.716	200.566b	ppb	0.6266	0.3	11580.1
Cu 324.754	206.313b	ppb	0.7004	0.3	15997.8
Fe 271.441	9561.10b	ppb	35.3159	0.4	16161.7
K 766.491	11734.3b	ppb	33.3066	0.3	566201
Mg 279.078	9804.27b	ppb	21.3120	0.2	28493.1
Mn 257.610	1037.07b	ppb	2.9715	0.3	249310
Mo 202.032	193.705b	ppb	0.7692	0.4	1341.60
Na 330.237	127810xb	ppb	221.490	0.2	7045.33
Ni 231.604	198.237b	ppb	0.6538	0.3	640.687
Pb 220.353	987.189b	ppb	4.3592	0.4	1597.32
Sb 206.834	98.6481b	ppb	2.3606	2.4	136.252
Se 196.026	205.673b	ppb	6.2639	3.0	106.503
Sn 189.925	381.840b	ppb	5.7284	1.5	284.323
Sr 216.596	190.703b	ppb	0.9802	0.5	2327.17
Ti 334.941	187.017b	ppb	0.2917	0.2	61304.0
Tl 190.794	75.0454b	ppb	1.5238	2.0	75.4998
V 292.401	203.553b	ppb	0.4263	0.2	6085.83
Zn 206.200	198.016b	ppb	0.4824	0.2	209.765

lb 680-369338/1-c (Samp) **2/5/2015, 5:54:14 AM** **Rack 4, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	0.0874	0.2019	0.0890
Al 308.215	7.2925	7.2934	7.6477
As 188.980	-2.8726u	-5.6166u	-3.5875u
B 249.678	8.7271	8.2562	7.8746
Ba 389.178	0.1586	-0.1444u	-0.7597u
Be 313.042	0.0056u	0.0029u	0.0057u
Ca 370.602	28.97	29.54	30.00
Cd 226.502	0.1790	0.2887	0.0089u
Co 228.615	-0.2636u	0.1001	0.6028
Cr 267.716	0.1162	0.2009	0.0523
Cu 324.754	0.1174	0.2104	0.1734
Fe 271.441	5.1515	4.7467	1.4384
K 766.491	21.0282	20.1537	20.6938
Mg 279.078	13.5502	11.5338	11.3319
Mn 257.610	0.2096	0.1813	0.1704
Mo 202.032	0.0436	-0.0397u	0.2077
Na 330.237	115136x	114020x	113279x
Ni 231.604	-0.3982u	0.4231	0.3327
Pb 220.353	2.6033	1.6949	-0.0408u
Sb 206.834	-0.4034u	-0.4066u	-0.6243u
Se 196.026	3.2303	5.9567	1.3899
Sn 189.925	-2.1462u	-0.4615u	-2.1943u
Sr 216.596	0.1648	0.0939	-0.0625u
Ti 334.941	0.0764	0.0897	0.1067

Label	Replicates Concentration		
Tl 190.794	-2.4633u	-3.6086u	-0.3206u
V 292.401	0.2834	0.3114	-0.0314u
Zn 206.200	0.4594	1.2014	1.5799

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1261b	ppb	0.0656	52.1	1.9482
Al 308.215	7.4112b	ppb	0.2048	2.8	381.991
As 188.980	-4.0256b	ppb	1.4235	35.4	-7.0422
B 249.678	8.2860b	ppb	0.4270	5.2	199.558
Ba 389.178	-0.2485b	ppb	0.4679	188.3	-51.5317
Be 313.042	0.0047b	ppb	0.0016	34.1	-341.958
Ca 370.602	29.50b	ppb	0.5166	1.8	108.4
Cd 226.502	0.1589b	ppb	0.1410	88.7	30.8669
Co 228.615	0.1465b	ppb	0.4350	297.1	0.8326
Cr 267.716	0.1232b	ppb	0.0746	60.5	40.1353
Cu 324.754	0.1671b	ppb	0.0468	28.0	201.372
Fe 271.441	3.7789b	ppb	2.0369	53.9	12.3483
K 766.491	20.6252b	ppb	0.4412	2.1	1323.20
Mg 279.078	12.1387b	ppb	1.2266	10.1	53.8206
Mn 257.610	0.1871b	ppb	0.0202	10.8	108.607
Mo 202.032	0.0705b	ppb	0.1258	178.4	6.1294
Na 330.237	114145xb	ppb	934.607	0.8	6301.61
Ni 231.604	0.1192b	ppb	0.4504	377.9	-4.7265
Pb 220.353	1.4192b	ppb	1.3434	94.7	14.9810
Sb 206.834	-0.4781b	ppb	0.1266	26.5	-4.6255
Se 196.026	3.5256b	ppb	2.2977	65.2	8.7638
Sn 189.925	-1.6007b	ppb	0.9869	61.7	-7.2610
Sr 216.596	0.0654b	ppb	0.1163	177.8	3.0768
Ti 334.941	0.0909b	ppb	0.0151	16.7	-19.9904
Tl 190.794	-2.1308b	ppb	1.6690	78.3	-11.2782
V 292.401	0.1878b	ppb	0.1904	101.4	-8.4583
Zn 206.200	1.0802b	ppb	0.5700	52.8	1.5194

660-65167-a-1-b (Samp) **2/5/2015, 5:58:51 AM** **Rack 4, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	-0.2814u	-0.1904u	-0.2779u
Al 308.215	23.5977	24.2120	23.4368
As 188.980	16.8769	9.5278	8.2821
B 249.678	152.173	152.244	152.740
Ba 389.178	1659.45	1661.30	1655.08
Be 313.042	0.0629u	0.0644u	0.0652u
Ca 370.602	2879	2896	2889
Cd 226.502	5.7072	5.8090	5.6461
Co 228.615	1.0965	1.0020	1.9245
Cr 267.716	39.4311	39.1982	39.2791
Cu 324.754	1661.27	1663.04	1643.28
Fe 271.441	205.685	203.953	211.184
K 766.491	963208o	967037o	734148o
Mg 279.078	316.549	316.737	317.907
Mn 257.610	464.750	465.983	464.616
Mo 202.032	28.4111	27.8639	27.4835
Na 330.237	1214335x	1212769x	1212447x

Label	Replicates Concentration		
Ni 231.604	56.0156	54.3056	55.5626
Pb 220.353	2499.17	2490.18	2480.75
Sb 206.834	56.3656	56.6440	62.8648
Se 196.026	22.2299	15.2134	17.4855
Sn 189.925	13.2421	11.0214	8.4729
Sr 216.596	61.2997	61.3458	61.4596
Ti 334.941	0.7679	0.8161	0.6517
Tl 190.794	-7.7088u	-11.6186u	-7.6541u
V 292.401	1.3612	1.3460	1.8677
Zn 206.200	8731.65	8760.45	8719.04

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2499b	ppb	0.0516	20.6	-32.8185
Al 308.215	23.7488b	ppb	0.4091	1.7	509.909
As 188.980	11.5623b	ppb	4.6446	40.2	3.8034
B 249.678	152.386b	ppb	0.3086	0.2	2937.22
Ba 389.178	1658.61b	ppb	3.1959	0.2	39990.6
Be 313.042	0.0642b	ppb	0.0012	1.8	-404.421
Ca 370.602	2888b	ppb	8.516	0.3	9121
Cd 226.502	5.7208b	ppb	0.0823	1.4	280.024
Co 228.615	1.3410b	ppb	0.5075	37.8	14.8397
Cr 267.716	39.3028b	ppb	0.1183	0.3	2319.34
Cu 324.754	1655.86b	ppb	10.9375	0.7	126998
Fe 271.441	206.941b	ppb	3.7758	1.8	355.633
K 766.491	888131oxb	ppb	133367	15.0	42829520
Mg 279.078	317.064b	ppb	0.7357	0.2	930.047
Mn 257.610	465.116b	ppb	0.7535	0.2	111793
Mo 202.032	27.9195b	ppb	0.4663	1.7	198.288
Na 330.237	1213184xb	ppb	1010.00	0.1	66497.3
Ni 231.604	55.2946b	ppb	0.8859	1.6	174.875
Pb 220.353	2490.04b	ppb	9.2071	0.4	4008.59
Sb 206.834	58.6248b	ppb	3.6746	6.3	79.6886
Se 196.026	18.3096b	ppb	3.5801	19.6	16.0000
Sn 189.925	10.9121b	ppb	2.3865	21.9	2.6011
Sr 216.596	61.3684b	ppb	0.0823	0.1	747.179
Ti 334.941	0.7452b	ppb	0.0845	11.3	97.7775
Tl 190.794	-8.9938b	ppb	2.2732	25.3	-18.9729
V 292.401	1.5250b	ppb	0.2969	19.5	14.2841
Zn 206.200	8737.04b	ppb	21.2254	0.2	9271.60

660-65167-a-1-c ms (Samp) **2/5/2015, 6:03:28 AM** **Rack 4, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	158.609	158.459	158.899
Al 308.215	1768.02	1771.26	1771.19
As 188.980	213.666	216.109	210.982
B 249.678	470.524	471.829	473.187
Ba 389.178	1620.25	1619.43	1617.56
Be 313.042	169.877	169.800	169.308
Ca 370.602	18220	18213	18251
Cd 226.502	163.218	162.935	163.208
Co 228.615	156.916	157.327	157.171
Cr 267.716	197.315	197.115	197.454

Label	Replicates Concentration		
Cu 324.754	1647.46	1651.45	1627.18
Fe 271.441	15510.7	15523.7	15500.9
K 766.491	683211x	699586o	697921o
Mg 279.078	14481.4	14495.3	14494.3
Mn 257.610	2094.76	2097.66	2096.03
Mo 202.032	181.319	179.643	181.908
Na 330.237	1094235x	1094164x	1094565x
Ni 231.604	204.093	204.808	203.655
Pb 220.353	2348.91	2353.98	2358.45
Sb 206.834	155.387	151.782	153.966
Se 196.026	229.991	236.331	235.040
Sn 189.925	138.203	139.269	141.651
Sr 216.596	212.137	213.030	211.907
Ti 334.941	127.374	127.459	127.095
Tl 190.794	20.3593	19.6870	20.7288
V 292.401	168.170	168.109	167.800
Zn 206.200	7799.64	7818.59	7798.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	158.656b	ppb	0.2237	0.1	14787.6
Al 308.215	1770.16b	ppb	1.8498	0.1	14116.1
As 188.980	213.586b	ppb	2.5648	1.2	144.339
B 249.678	471.847b	ppb	1.3312	0.3	8959.28
Ba 389.178	1619.08b	ppb	1.3762	0.1	39082.7
Be 313.042	169.661b	ppb	0.3085	0.2	335077
Ca 370.602	18228b	ppb	20.31	0.1	57356
Cd 226.502	163.120b	ppb	0.1607	0.1	7585.37
Co 228.615	157.138b	ppb	0.2073	0.1	1844.71
Cr 267.716	197.295b	ppb	0.1708	0.1	11419.7
Cu 324.754	1642.03b	ppb	13.0173	0.8	125950
Fe 271.441	15511.8b	ppb	11.4277	0.1	26214.8
K 766.491	693573oxb	ppb	9012.23	1.3	33447152
Mg 279.078	14490.3b	ppb	7.7543	0.1	42095.8
Mn 257.610	2096.15b	ppb	1.4585	0.1	503780
Mo 202.032	180.956b	ppb	1.1753	0.6	1253.39
Na 330.237	1094322xb	ppb	213.936	0.0	59982.7
Ni 231.604	204.185b	ppb	0.5819	0.3	660.441
Pb 220.353	2353.78b	ppb	4.7705	0.2	3791.08
Sb 206.834	153.712b	ppb	1.8156	1.2	215.091
Se 196.026	233.787b	ppb	3.3502	1.4	120.359
Sn 189.925	139.708b	ppb	1.7654	1.3	100.503
Sr 216.596	212.358b	ppb	0.5929	0.3	2601.50
Ti 334.941	127.309b	ppb	0.1905	0.1	41646.7
Tl 190.794	20.2583b	ppb	0.5282	2.6	12.8623
V 292.401	168.026b	ppb	0.1986	0.1	5003.32
Zn 206.200	7805.59b	ppb	11.2739	0.1	8282.34

660-65167-a-1-d msd (Samp) **2/5/2015, 6:08:06 AM** **Rack 4, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	158.151	158.688	158.985
Al 308.215	1770.52	1771.45	1778.12
As 188.980	199.306	210.163	217.021

Label	Replicates Concentration		
B 249.678	475.556	473.140	470.800
Ba 389.178	1637.55	1634.66	1635.58
Be 313.042	169.834	169.838	170.245
Ca 370.602	18301	18284	18274
Cd 226.502	162.781	162.545	162.638
Co 228.615	156.466	156.556	157.573
Cr 267.716	197.946	197.430	198.210
Cu 324.754	1653.40	1658.20	1651.18
Fe 271.441	15526.2	15510.2	15555.5
K 766.491	696923o	699228o	687868x
Mg 279.078	14526.0	14454.2	14502.6
Mn 257.610	2100.06	2097.13	2100.38
Mo 202.032	180.583	178.751	179.145
Na 330.237	1105959x	1106325x	1106069x
Ni 231.604	205.664	205.346	205.473
Pb 220.353	2376.50	2359.52	2380.53
Sb 206.834	179.674	178.866	183.434
Se 196.026	235.199	232.255	223.457
Sn 189.925	130.794	132.884	135.382
Sr 216.596	214.195	212.248	211.208
Ti 334.941	128.122	127.902	128.428
Tl 190.794	17.8318	19.7132	19.9480
V 292.401	168.008	168.649	168.054
Zn 206.200	7914.67	7863.27	7873.60

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	158.608b	ppb	0.4231	0.3	14783.2
Al 308.215	1773.36b	ppb	4.1436	0.2	14141.0
As 188.980	208.830b	ppb	8.9324	4.3	141.028
B 249.678	473.166b	ppb	2.3780	0.5	8984.70
Ba 389.178	1635.93b	ppb	1.4721	0.1	39489.4
Be 313.042	169.972b	ppb	0.2363	0.1	335690
Ca 370.602	18286b	ppb	13.88	0.1	57539
Cd 226.502	162.655b	ppb	0.1188	0.1	7564.04
Co 228.615	156.865b	ppb	0.6148	0.4	1841.58
Cr 267.716	197.862b	ppb	0.3969	0.2	11452.6
Cu 324.754	1654.26b	ppb	3.5881	0.2	126886
Fe 271.441	15530.6b	ppb	22.9628	0.1	26246.6
K 766.491	694673oxb	ppb	6004.85	0.9	33500200
Mg 279.078	14494.3b	ppb	36.6036	0.3	42107.1
Mn 257.610	2099.19b	ppb	1.7902	0.1	504511
Mo 202.032	179.493b	ppb	0.9641	0.5	1243.29
Na 330.237	1106118xb	ppb	187.848	0.0	60629.1
Ni 231.604	205.494b	ppb	0.1600	0.1	664.704
Pb 220.353	2372.18b	ppb	11.1495	0.5	3820.62
Sb 206.834	180.658b	ppb	2.4375	1.3	253.531
Se 196.026	230.303b	ppb	6.1094	2.7	118.681
Sn 189.925	133.020b	ppb	2.2971	1.7	95.4216
Sr 216.596	212.550b	ppb	1.5160	0.7	2603.86
Ti 334.941	128.151b	ppb	0.2641	0.2	41921.5
Tl 190.794	19.1643b	ppb	1.1599	6.1	11.6206
V 292.401	168.237b	ppb	0.3574	0.2	5009.88
Zn 206.200	7883.85b	ppb	27.1896	0.3	8365.38

680-109506-a-2-e (Samp) **2/5/2015, 6:12:43 AM** **Rack 4, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	-0.2412u	-0.1831u	-0.0075u
Al 308.215	31.6083	30.3768	28.6134
As 188.980	8.1208	-0.6513u	5.8809
B 249.678	501.809	508.638	504.692
Ba 389.178	1.6082	1.5539	1.3598
Be 313.042	-0.0006u	0.0078u	0.0100u
Ca 370.602	1325	1336	1334
Cd 226.502	0.8571	0.7616	0.8605
Co 228.615	7.0689	6.6267	6.5019
Cr 267.716	11.2500	11.4967	11.3817
Cu 324.754	77.3964	80.1096	78.8156
Fe 271.441	135.690	140.123	136.576
K 766.491	465931x	471572x	468534x
Mg 279.078	1537.18	1556.58	1546.04
Mn 257.610	11.1980	11.4072	11.3087
Mo 202.032	30.4044	30.2065	29.4613
Na 330.237	19284.4	19344.5	19426.7
Ni 231.604	88.8934	89.5166	88.0254
Pb 220.353	4.1847	2.9170	1.4531
Sb 206.834	6.8390	14.6215	13.2420
Se 196.026	-1.8850u	13.4758	3.4694
Sn 189.925	7.7240	8.8602	9.4476
Sr 216.596	2.1743	1.5409	1.9235
Ti 334.941	8.2870	8.4190	8.3117
Tl 190.794	-2.2510u	0.8490	-0.4889u
V 292.401	4.2977	4.1200	4.1704
Zn 206.200	160.938	160.880	163.541

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1439b	ppb	0.1217	84.6	-23.2640
Al 308.215	30.1995b	ppb	1.5053	5.0	560.530
As 188.980	4.4501b	ppb	4.5577	102.4	-1.1497
B 249.678	505.046b	ppb	3.4287	0.7	9627.11
Ba 389.178	1.5073b	ppb	0.1306	8.7	-5.3790
Be 313.042	0.0057b	ppb	0.0056	97.6	-357.630
Ca 370.602	1332b	ppb	5.794	0.4	4212
Cd 226.502	0.8264b	ppb	0.0561	6.8	62.8518
Co 228.615	6.7325b	ppb	0.2979	4.4	77.9142
Cr 267.716	11.3762b	ppb	0.1235	1.1	685.690
Cu 324.754	78.7739b	ppb	1.3571	1.7	6222.46
Fe 271.441	137.463b	ppb	2.3459	1.7	238.937
K 766.491	468679xb	ppb	2823.41	0.6	22601896
Mg 279.078	1546.60b	ppb	9.7126	0.6	4514.31
Mn 257.610	11.3046b	ppb	0.1046	0.9	2793.52
Mo 202.032	30.0240b	ppb	0.4973	1.7	212.810
Na 330.237	19351.9b	ppb	71.4356	0.4	1087.41
Ni 231.604	88.8118b	ppb	0.7490	0.8	283.932
Pb 220.353	2.8516b	ppb	1.3669	47.9	17.2490
Sb 206.834	11.5675b	ppb	4.1527	35.9	12.1884
Se 196.026	5.0200b	ppb	7.7969	155.3	9.4878
Sn 189.925	8.6773b	ppb	0.8762	10.1	0.5247
Sr 216.596	1.8796b	ppb	0.3190	17.0	22.9778

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	8.3393b	ppb	0.0702	0.8	2696.65
Tl 190.794	-0.6303b	ppb	1.5548	246.7	-9.6675
V 292.401	4.1960b	ppb	0.0916	2.2	106.250
Zn 206.200	161.786b	ppb	1.5196	0.9	172.022

lb 680-369251/1-b (Samp) **2/5/2015, 6:17:20 AM** **Rack 4, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	-0.0533u	0.0720	0.1611
Al 308.215	2.6024	2.4878	2.4957
As 188.980	-9.5579u	-3.9861u	-5.6618u
B 249.678	49.1796	48.8135	47.7069
Ba 389.178	0.7564	0.9135	0.2256
Be 313.042	0.0066u	0.0133	0.0118
Ca 370.602	367.7	368.3	362.4
Cd 226.502	0.3261	0.0097u	0.3001
Co 228.615	0.1667	-0.5154u	-0.5263u
Cr 267.716	0.2525	0.2402	0.2472
Cu 324.754	0.1554	0.2104	0.0597
Fe 271.441	7.4208	4.6725	7.8969
K 766.491	227.086	204.092	183.034
Mg 279.078	78.8627	76.2449	76.2139
Mn 257.610	0.1729	0.1418	0.1422
Mo 202.032	0.1444	-0.0737u	0.2747
Na 330.237	120796x	121157x	120021x
Ni 231.604	-0.5274u	0.3633	-0.7051u
Pb 220.353	-0.8506u	2.5875	1.2695
Sb 206.834	0.2312	-1.6720u	-3.1885u
Se 196.026	-8.1822u	-0.1099u	-1.0668u
Sn 189.925	0.9041	0.9274	-2.7454u
Sr 216.596	1.3364	0.7008	1.6612
Ti 334.941	0.1403	0.1420	0.1195
Tl 190.794	-1.2101u	-0.1905u	2.5522
V 292.401	0.1020	0.2307	0.2524
Zn 206.200	2.1533	3.2235	2.0628

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0599b	ppb	0.1077	179.7	-4.2672
Al 308.215	2.5286b	ppb	0.0640	2.5	344.043
As 188.980	-6.4019b	ppb	2.8587	44.7	-8.6971
B 249.678	48.5667b	ppb	0.7667	1.6	963.906
Ba 389.178	0.6318b	ppb	0.3605	57.0	-30.1308
Be 313.042	0.0106b	ppb	0.0035	33.4	-331.033
Ca 370.602	366.1b	ppb	3.239	0.9	1168
Cd 226.502	0.2120b	ppb	0.1757	82.9	33.2801
Co 228.615	-0.2917b	ppb	0.3970	136.1	-4.3134
Cr 267.716	0.2466b	ppb	0.0062	2.5	47.3783
Cu 324.754	0.1418b	ppb	0.0762	53.8	199.443
Fe 271.441	6.6634b	ppb	1.7405	26.1	17.1902
K 766.491	204.737b	ppb	22.0329	10.8	10201.8
Mg 279.078	77.1072b	ppb	1.5204	2.0	242.689
Mn 257.610	0.1523b	ppb	0.0179	11.7	100.790
Mo 202.032	0.1152b	ppb	0.1760	152.8	6.4371

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	120658xb	ppb	580.609	0.5	6659.56
Ni 231.604	-0.2897b	ppb	0.5725	197.6	-6.0565
Pb 220.353	1.0021b	ppb	1.7346	173.1	14.3123
Sb 206.834	-1.5431b	ppb	1.7135	111.0	-6.1412
Se 196.026	-3.1196b	ppb	4.4104	141.4	5.5619
Sn 189.925	-0.3046b	ppb	2.1138	693.9	-6.2734
Sr 216.596	1.2328b	ppb	0.4885	39.6	17.3974
Ti 334.941	0.1339b	ppb	0.0125	9.4	-6.3529
Tl 190.794	0.3839b	ppb	1.9458	506.9	-8.4167
V 292.401	0.1950b	ppb	0.0813	41.7	-8.3067
Zn 206.200	2.4799b	ppb	0.6456	26.0	3.0042

lb2 680-369251/2-c (Samp) **2/5/2015, 6:21:57 AM** **Rack 4, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	0.0151	0.0413	-0.0046u
Al 308.215	2.4739	2.8755	2.5884
As 188.980	-6.0986u	-5.9107u	-1.2595u
B 249.678	6.5264	6.2202	6.3363
Ba 389.178	0.3369	-0.3632u	-0.1927u
Be 313.042	0.0075	0.0080	0.0103
Ca 370.602	33.05	33.09	33.09
Cd 226.502	0.0849	0.0304	0.0790
Co 228.615	0.0123	0.0331	0.2228
Cr 267.716	0.1362	0.0851	0.1128
Cu 324.754	0.1929	0.0969	0.1380
Fe 271.441	3.9665	5.8372	1.3691
K 766.491	68.8034	66.2885	65.2636
Mg 279.078	9.8466	9.3537	10.0669
Mn 257.610	0.1262	0.1563	0.1391
Mo 202.032	0.2935	0.1241	0.3693
Na 330.237	118089x	116123x	117708x
Ni 231.604	1.1158	0.3127	0.5890
Pb 220.353	-0.5846u	0.9096	-0.1665u
Sb 206.834	1.2620	-1.6972u	1.6809
Se 196.026	2.0870	-0.9271u	1.9247
Sn 189.925	1.8532	1.7354	1.2328
Sr 216.596	0.5605	0.3778	0.3431
Ti 334.941	0.1217	0.0666	0.0827
Tl 190.794	2.1100	-0.8807u	-1.4728u
V 292.401	0.1488	-0.1381u	0.1113
Zn 206.200	3.5636	2.1022	3.0263

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0173b	ppb	0.0230	133.5	-8.2082
Al 308.215	2.6459b	ppb	0.2069	7.8	344.930
As 188.980	-4.4230b	ppb	2.7412	62.0	-7.3190
B 249.678	6.3610b	ppb	0.1546	2.4	163.037
Ba 389.178	-0.0730b	ppb	0.3651	500.0	-47.2986
Be 313.042	0.0086b	ppb	0.0015	17.4	-334.696
Ca 370.602	33.08b	ppb	0.0211	0.1	119.6
Cd 226.502	0.0648b	ppb	0.0299	46.2	26.5268
Co 228.615	0.0894b	ppb	0.1160	129.8	0.1561

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.1114b	ppb	0.0256	23.0	39.5288
Cu 324.754	0.1426b	ppb	0.0482	33.8	199.505
Fe 271.441	3.7242b	ppb	2.2439	60.3	12.2580
K 766.491	66.7852b	ppb	1.8214	2.7	3549.21
Mg 279.078	9.7557b	ppb	0.3652	3.7	46.8963
Mn 257.610	0.1405b	ppb	0.0151	10.7	97.3907
Mo 202.032	0.2623b	ppb	0.1256	47.9	7.4528
Na 330.237	117307xb	ppb	1042.78	0.9	6475.36
Ni 231.604	0.6725b	ppb	0.4080	60.7	-2.9256
Pb 220.353	0.0528b	ppb	0.7709	1459.9	12.7883
Sb 206.834	0.4152b	ppb	1.8414	443.4	-3.3532
Se 196.026	1.0282b	ppb	1.6953	164.9	7.5604
Sn 189.925	1.6071b	ppb	0.3295	20.5	-4.8206
Sr 216.596	0.4271b	ppb	0.1168	27.3	7.4503
Ti 334.941	0.0903b	ppb	0.0283	31.4	-20.4860
Tl 190.794	-0.0812b	ppb	1.9206	2366.5	-8.9455
V 292.401	0.0407b	ppb	0.1559	383.4	-12.9609
Zn 206.200	2.8973b	ppb	0.7392	25.5	3.4476

680-109506-a-1-d (Samp) **2/5/2015, 6:26:34 AM** **Rack 4, Tube 12**

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

Label	Replicates Concentration		
Ag 328.068	0.6500	0.1873	0.2875
Al 308.215	505.671	506.118	507.090
As 188.980	-2.2432u	1.5712	-1.8434u
B 249.678	59.7363	59.5637	59.6497
Ba 389.178	40.4889	40.9547	40.3040
Be 313.042	0.0335	0.0353	0.0343
Ca 370.602	7496	7471	7459
Cd 226.502	10.7962	10.6348	10.7433
Co 228.615	2.1272	2.6818	2.2694
Cr 267.716	7.0981	7.3449	6.9876
Cu 324.754	183.178	181.704	182.632
Fe 271.441	1881.27	1888.63	1893.02
K 766.491	47225.8x	47223.7x	47457.1x
Mg 279.078	1715.16	1706.32	1708.91
Mn 257.610	88.2294	88.0934	87.9539
Mo 202.032	8.5025	8.3028	8.5631
Na 330.237	115304x	115343x	115821x
Ni 231.604	10.1615	9.9697	8.9543
Pb 220.353	37.0022	37.7668	40.0066
Sb 206.834	5.0976	5.3720	3.1554
Se 196.026	2.6419	1.8998	9.6007
Sn 189.925	3.3026	7.4632	1.7080
Sr 216.596	13.3604	13.5283	13.6943
Ti 334.941	67.0526	66.9489	67.0773
Tl 190.794	-3.3313u	-1.5070u	-3.0988u
V 292.401	0.7292	0.9504	0.7323
Zn 206.200	928.759	917.603	923.969

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3749b	ppb	0.2434	64.9	24.7473
Al 308.215	506.293b	ppb	0.7255	0.1	4260.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.8385b	ppb	2.0963	250.0	-4.8382
B 249.678	59.6499b	ppb	0.0863	0.1	1169.46
Ba 389.178	40.5825b	ppb	0.3353	0.8	939.516
Be 313.042	0.0344b	ppb	0.0009	2.7	-284.227
Ca 370.602	7476b	ppb	19.09	0.3	23569
Cd 226.502	10.7248b	ppb	0.0823	0.8	525.324
Co 228.615	2.3595b	ppb	0.2881	12.2	28.2527
Cr 267.716	7.1435b	ppb	0.1829	2.6	445.495
Cu 324.754	182.504b	ppb	0.7451	0.4	14166.2
Fe 271.441	1887.64b	ppb	5.9358	0.3	3193.11
K 766.491	47302.2xb	ppb	134.163	0.3	2281427
Mg 279.078	1710.13b	ppb	4.5440	0.3	4987.82
Mn 257.610	88.0922b	ppb	0.1377	0.2	21246.5
Mo 202.032	8.4561b	ppb	0.1362	1.6	63.9028
Na 330.237	115489xb	ppb	287.986	0.2	6352.52
Ni 231.604	9.6952b	ppb	0.6487	6.7	26.6049
Pb 220.353	38.2585b	ppb	1.5614	4.1	74.1942
Sb 206.834	4.5417b	ppb	1.2084	26.6	2.5124
Se 196.026	4.7141b	ppb	4.2481	90.1	9.3754
Sn 189.925	4.1579b	ppb	2.9714	71.5	-2.8817
Sr 216.596	13.5277b	ppb	0.1669	1.2	171.708
Ti 334.941	67.0263b	ppb	0.0682	0.1	21935.5
Tl 190.794	-2.6457b	ppb	0.9930	37.5	-12.1472
V 292.401	0.8040b	ppb	0.1268	15.8	7.7607
Zn 206.200	923.444b	ppb	5.5969	0.6	980.206

Cont Calib Verif (CCV) **2/5/2015, 6:31:11 AM** **Rack 4, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	456.964	456.459	456.572
Al 308.215	4597.14	4602.24	4603.16
As 188.980	470.183	475.603	470.557
B 249.678	471.312	471.854	474.251
Ba 389.178	4525.98	4533.30	4534.29
Be 313.042	483.866	482.763	483.396
Ca 370.602	4588	4587	4587
Cd 226.502	470.637	471.331	470.490
Co 228.615	480.518	481.033	481.057
Cr 267.716	4787.54	4785.69	4792.16
Cu 324.754	4780.56	4832.00	4806.55
Fe 271.441	4594.83	4604.67	4599.93
K 766.491	9770.59	9765.06	9802.13
Mg 279.078	4805.46	4802.26	4815.68
Mn 257.610	4879.46	4860.28	4873.12
Mo 202.032	463.583	465.111	463.306
Na 330.237	7716.17	7872.74	7673.46
Ni 231.604	2417.73	2416.67	2418.38
Pb 220.353	482.509	481.701	480.560
Sb 206.834	901.695	896.224	898.640
Se 196.026	4685.30	4696.60	4698.89
Sn 189.925	4704.78	4694.16	4660.71
Sr 216.596	2332.10	2327.90	2332.18
Ti 334.941	433.755	433.491	434.516

Label	Replicates Concentration		
Tl 190.794	4699.12	4728.13	4753.21
V 292.401	4746.20	4738.87	4748.47
Zn 206.200	2416.91	2401.05	2394.40

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	456.665	ppb	0.2651	0.1	42531.3	91.33299
Al 308.215	4600.85	ppb	3.2463	0.1	36827.5	92.01691
As 188.980	472.114	ppb	3.0273	0.6	324.367	94.42284
B 249.678	472.472	ppb	1.5641	0.3	9010.43	94.49442
Ba 389.178	4531.19	ppb	4.5381	0.1	109355	90.62383
Be 313.042	483.342	ppb	0.5539	0.1	955927	96.66833
Ca 370.602	4587	ppb	0.6412	0.0	14803	91.74883
Cd 226.502	470.820	ppb	0.4492	0.1	21668.6	94.16393
Co 228.615	480.869	ppb	0.3044	0.1	5652.89	96.17383
Cr 267.716	4788.46	ppb	3.3331	0.1	275501	95.76929
Cu 324.754	4806.37	ppb	25.7207	0.5	368216	96.12738
Fe 271.441	4599.81	ppb	4.9232	0.1	7874.22	91.99621
K 766.491	9779.26	ppb	19.9982	0.2	471923	97.79265
Mg 279.078	4807.80	ppb	7.0064	0.1	13886.2	96.15598
Mn 257.610	4870.95	ppb	9.7734	0.2	1170240	97.41901
Mo 202.032	464.000	ppb	0.9724	0.2	3201.98	92.79997
Na 330.237	7754.12	ppb	104.923	1.4	394.320	103.38830
Ni 231.604	2417.59	ppb	0.8643	0.0	7862.47	96.70368
Pb 220.353	481.590	ppb	0.9794	0.2	789.712	96.31796
Sb 206.834	898.853	ppb	2.7417	0.3	1333.19	89.88530Q
Se 196.026	4693.60	ppb	7.2761	0.2	2269.76	93.87193
Sn 189.925	4686.55	ppb	22.9994	0.5	3557.72	93.73103
Sr 216.596	2330.73	ppb	2.4449	0.1	28246.2	93.22906
Ti 334.941	433.921	ppb	0.5320	0.1	142277	86.78420Q
Tl 190.794	4726.82	ppb	27.0725	0.6	5382.03	94.53641
V 292.401	4744.51	ppb	5.0167	0.1	143134	94.89023
Zn 206.200	2404.12	ppb	11.5648	0.5	2541.78	96.16477

Cont Calib Blank (CCB) **2/5/2015, 6:35:48 AM** **Rack 4, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2699	0.1760	-0.1220u
Al 308.215	-1.3464u	-0.2879u	0.6561
As 188.980	1.0579	3.7612	-0.1456u
B 249.678	3.5892	3.6309	2.8503
Ba 389.178	0.0272	0.2434	-0.1891u
Be 313.042	0.0108	0.0172	0.0147
Ca 370.602	-1.490u	-2.006u	1.685
Cd 226.502	0.0898	0.0281	0.0584
Co 228.615	-0.0368u	-0.3754u	-0.3329u
Cr 267.716	-0.1208u	-0.0200u	-0.1207u
Cu 324.754	0.1537	-0.1452u	0.0813
Fe 271.441	2.7874	0.7768	3.4678
K 766.491	15.0796	16.3735	15.0721
Mg 279.078	-0.6612u	-1.1118u	1.2510
Mn 257.610	0.1570	0.1444	0.1888
Mo 202.032	0.8620	0.6848	0.2734
Na 330.237	108.510	17.6728	115.769

Label	Replicates Concentration		
Ni 231.604	0.1742	-0.3280u	1.2107
Pb 220.353	-0.6323u	0.3605	2.0514
Sb 206.834	6.8160	10.0357	5.7744
Se 196.026	-5.7045u	9.2263	1.3623
Sn 189.925	1.1863	5.1355	-0.4544u
Sr 216.596	-0.1927u	0.0978	0.3009
Ti 334.941	0.0633	0.1138	0.1161
Tl 190.794	10.5054	10.2405	8.5336
V 292.401	0.2613	0.3363	0.1319
Zn 206.200	1.6532	0.4166	2.0191

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1080	ppb	0.2046	189.5	0.2600	0.10796
Al 308.215	-0.3260	ppb	1.0018	307.3	321.879	-0.32603
As 188.980	1.5578	ppb	2.0008	128.4	-3.1541	1.55785
B 249.678	3.3568	ppb	0.4391	13.1	106.165	3.35678
Ba 389.178	0.0272	ppb	0.2162	796.1	-44.9020	0.02716
Be 313.042	0.0142	ppb	0.0032	22.8	-309.765	0.01421
Ca 370.602	-0.6037	ppb	1.999	331.1	13.66	-0.60367
Cd 226.502	0.0588	ppb	0.0309	52.5	27.0240	0.05877
Co 228.615	-0.2484	ppb	0.1845	74.3	-3.8219	-0.24837
Cr 267.716	-0.0871	ppb	0.0582	66.8	25.6633	-0.08713
Cu 324.754	0.0300	ppb	0.1559	520.4	190.893	0.02996
Fe 271.441	2.3440	ppb	1.3992	59.7	9.8882	2.34402
K 766.491	15.5084	ppb	0.7492	4.8	1076.45	15.50842
Mg 279.078	-0.1740	ppb	1.2545	721.1	18.0309	-0.17398
Mn 257.610	0.1634	ppb	0.0228	14.0	103.443	0.16341
Mo 202.032	0.6067	ppb	0.3020	49.8	9.8293	0.60672
Na 330.237	80.6507	ppb	54.6611	67.8	32.1179	80.65068
Ni 231.604	0.3523	ppb	0.7846	222.7	-3.9672	0.35230
Pb 220.353	0.5932	ppb	1.3569	228.7	13.6546	0.59323
Sb 206.834	7.5420	ppb	2.2215	29.5	6.7939	7.54204
Se 196.026	1.6281	ppb	7.4690	458.8	7.8494	1.62806
Sn 189.925	1.9558	ppb	2.8733	146.9	-4.5927	1.95580
Sr 216.596	0.0687	ppb	0.2481	361.3	3.0791	0.06866
Ti 334.941	0.0977	ppb	0.0298	30.5	-7.6432	0.09772
Tl 190.794	9.7598	ppb	1.0702	11.0	2.2564	9.75982
V 292.401	0.2432	ppb	0.1034	42.5	-5.9193	0.24316
Zn 206.200	1.3630	ppb	0.8397	61.6	1.8200	1.36297

680-109506-a-1-dSD^5 (Samp) **2/5/2015, 6:40:25 AM** **Rack 4, Tube 15**

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

Label	Replicates Concentration		
Ag 328.068	-0.0359u	0.1435	0.1331
Al 308.215	109.362	107.257	104.017
As 188.980	-1.3116u	-1.9982u	-2.8580u
B 249.678	13.5640	13.6971	13.2465
Ba 389.178	9.3883	9.1261	8.9469
Be 313.042	0.0118	0.0171	0.0152
Ca 370.602	1614	1575	1541
Cd 226.502	2.5098	2.3730	2.2592
Co 228.615	0.5549	0.1507	0.4868
Cr 267.716	1.6100	1.5555	1.3932

Label	Replicates Concentration		
Cu 324.754	39.5695	38.7945	37.5386
Fe 271.441	416.298	408.323	399.929
K 766.491	10613.3	10397.6	10236.5
Mg 279.078	379.486	373.508	361.218
Mn 257.610	19.2749	18.9027	18.4435
Mo 202.032	1.7651	2.1929	2.1649
Na 330.237	23884.7	23394.2	22919.7
Ni 231.604	2.0493	2.3208	1.8297
Pb 220.353	8.2877	10.2098	6.2552
Sb 206.834	3.2498	-0.2961u	0.3375
Se 196.026	0.4165	5.4042	-5.5547u
Sn 189.925	-0.1277u	-1.0163u	2.0019
Sr 216.596	3.1363	3.7187	3.0182
Ti 334.941	14.6960	14.3646	14.0794
Tl 190.794	3.7600	5.7318	5.2077
V 292.401	0.3783	0.3476	0.2871
Zn 206.200	200.155	199.264	188.659

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0802	ppb	0.1007	125.5	-2.4255
Al 308.215	106.879	ppb	2.6924	2.5	1155.35
As 188.980	-2.0559	ppb	0.7748	37.7	-5.6739
B 249.678	13.5025	ppb	0.2315	1.7	297.560
Ba 389.178	9.1538	ppb	0.2220	2.4	176.585
Be 313.042	0.0147	ppb	0.0027	18.3	-311.732
Ca 370.602	1577	ppb	36.48	2.3	4983
Cd 226.502	2.3807	ppb	0.1255	5.3	135.488
Co 228.615	0.3974	ppb	0.2164	54.4	4.0795
Cr 267.716	1.5196	ppb	0.1128	7.4	118.894
Cu 324.754	38.6342	ppb	1.0249	2.7	3147.50
Fe 271.441	408.183	ppb	8.1855	2.0	695.137
K 766.491	10415.8	ppb	189.075	1.8	502618
Mg 279.078	371.404	ppb	9.3139	2.5	1097.77
Mn 257.610	18.8737	ppb	0.4164	2.2	4602.54
Mo 202.032	2.0410	ppb	0.2393	11.7	19.7068
Na 330.237	23399.5	ppb	482.514	2.1	1308.96
Ni 231.604	2.0666	ppb	0.2460	11.9	1.6473
Pb 220.353	8.2509	ppb	1.9775	24.0	25.9645
Sb 206.834	1.0970	ppb	1.8910	172.4	-2.3888
Se 196.026	0.0887	ppb	5.4868	6187.2	7.1161
Sn 189.925	0.2860	ppb	1.5510	542.4	-5.8551
Sr 216.596	3.2911	ppb	0.3750	11.4	43.3240
Ti 334.941	14.3800	ppb	0.3086	2.1	4675.06
Tl 190.794	4.8998	ppb	1.0213	20.8	-3.3357
V 292.401	0.3377	ppb	0.0464	13.7	-3.7052
Zn 206.200	196.026	ppb	6.3957	3.3	208.369

680-109506-a-1-dPDS (Samp) **2/5/2015, 6:45:02 AM** **Rack 4, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	86.9612	86.6590	86.5110
Al 308.215	1504.03	1504.39	1498.58
As 188.980	102.055	105.612	103.054

Label	Replicates Concentration		
B 249.678	254.654	254.471	255.651
Ba 389.178	125.029	125.925	125.081
Be 313.042	103.372	103.560	103.444
Ca 370.602	17101	17151	17108
Cd 226.502	108.542	108.470	108.495
Co 228.615	101.616	101.400	101.597
Cr 267.716	108.771	108.853	108.533
Cu 324.754	285.929	284.927	284.515
Fe 271.441	11579.3	11625.1	11619.1
K 766.491	56857.7x	56944.6x	56922.6x
Mg 279.078	11588.2	11634.8	11611.6
Mn 257.610	1136.24	1136.96	1136.50
Mo 202.032	106.135	107.700	107.065
Na 330.237	125452x	125937x	125531x
Ni 231.604	109.694	110.363	109.582
Pb 220.353	133.785	135.940	139.621
Sb 206.834	96.4786	92.8961	96.1956
Se 196.026	106.584	94.1444	99.8496
Sn 189.925	102.556	102.793	100.630
Sr 216.596	110.160	109.106	110.088
Ti 334.941	159.639	159.701	160.037
Tl 190.794	21.4573	21.4339	25.0388
V 292.401	104.855	105.311	105.041
Zn 206.200	1001.76	1003.82	1000.03

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	86.7104b	ppb	0.2295	0.3	8076.97
Al 308.215	1502.33b	ppb	3.2534	0.2	12022.5
As 188.980	103.573b	ppb	1.8346	1.8	67.7767
B 249.678	254.925b	ppb	0.6353	0.2	4850.49
Ba 389.178	125.345b	ppb	0.5029	0.4	3016.91
Be 313.042	103.459b	ppb	0.0946	0.1	204283
Ca 370.602	17120b	ppb	27.11	0.2	53901
Cd 226.502	108.502b	ppb	0.0364	0.0	5063.94
Co 228.615	101.538b	ppb	0.1194	0.1	1193.45
Cr 267.716	108.719b	ppb	0.1660	0.2	6298.10
Cu 324.754	285.124b	ppb	0.7269	0.3	22032.0
Fe 271.441	11607.9b	ppb	24.8666	0.2	19616.5
K 766.491	56908.3xb	ppb	45.1755	0.1	2744672
Mg 279.078	11611.5b	ppb	23.2813	0.2	33748.1
Mn 257.610	1136.57b	ppb	0.3639	0.0	273233
Mo 202.032	106.967b	ppb	0.7869	0.7	743.085
Na 330.237	125640xb	ppb	260.209	0.2	6905.88
Ni 231.604	109.879b	ppb	0.4224	0.4	353.290
Pb 220.353	136.449b	ppb	2.9513	2.2	232.482
Sb 206.834	95.1901b	ppb	1.9917	2.1	131.634
Se 196.026	100.193b	ppb	6.2271	6.2	55.7232
Sn 189.925	101.993b	ppb	1.1862	1.2	71.5184
Sr 216.596	109.785b	ppb	0.5884	0.5	1353.63
Ti 334.941	159.792b	ppb	0.2142	0.1	52378.9
Tl 190.794	22.6434b	ppb	2.0746	9.2	15.7128
V 292.401	105.069b	ppb	0.2291	0.2	3130.59
Zn 206.200	1001.87b	ppb	1.8932	0.2	1062.89

680-109506-a-1-e ms (Samp) **2/5/2015, 6:49:39 AM** **Rack 4, Tube 17**

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

Label	Replicates Concentration		
Ag 328.068	139.838	139.632	140.248
Al 308.215	1946.60	1946.22	1950.96
As 188.980	160.037	150.626	162.194
B 249.678	342.725	344.496	344.694
Ba 389.178	168.529	168.653	167.692
Be 313.042	158.109	158.111	158.332
Ca 370.602	20739	20720	20802
Cd 226.502	158.098	157.906	157.796
Co 228.615	153.414	153.337	153.982
Cr 267.716	159.281	159.449	159.415
Cu 324.754	300.949	299.675	301.037
Fe 271.441	16373.0	16357.7	16376.4
K 766.491	52574.3x	52470.5x	52532.9x
Mg 279.078	16492.5	16499.0	16484.2
Mn 257.610	1675.97	1675.49	1675.91
Mo 202.032	158.336	158.809	158.998
Na 330.237	106925x	107267x	107145x
Ni 231.604	161.435	160.682	159.002
Pb 220.353	180.661	178.844	181.415
Sb 206.834	150.745	149.379	153.448
Se 196.026	151.402	142.311	148.547
Sn 189.925	148.481	148.457	148.088
Sr 216.596	158.402	159.108	158.167
Ti 334.941	195.182	195.125	195.213
Tl 190.794	27.6853	27.0053	25.4284
V 292.401	159.710	159.908	160.099
Zn 206.200	872.495	868.540	868.124

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	139.906b	ppb	0.3140	0.2	13038.4
Al 308.215	1947.93b	ppb	2.6329	0.1	15496.4
As 188.980	157.619b	ppb	6.1513	3.9	105.365
B 249.678	343.972b	ppb	1.0841	0.3	6528.44
Ba 389.178	168.292b	ppb	0.5229	0.3	4069.03
Be 313.042	158.184b	ppb	0.1282	0.1	312529
Ca 370.602	20754b	ppb	42.88	0.2	65321
Cd 226.502	157.933b	ppb	0.1530	0.1	7357.86
Co 228.615	153.578b	ppb	0.3522	0.2	1804.52
Cr 267.716	159.382b	ppb	0.0887	0.1	9216.67
Cu 324.754	300.553b	ppb	0.7623	0.3	23217.1
Fe 271.441	16369.0b	ppb	9.9585	0.1	27661.5
K 766.491	52525.9xb	ppb	52.2469	0.1	2533336
Mg 279.078	16491.9b	ppb	7.4535	0.0	47923.5
Mn 257.610	1675.79b	ppb	0.2617	0.0	402826
Mo 202.032	158.714b	ppb	0.3414	0.2	1099.88
Na 330.237	107112xb	ppb	173.419	0.2	5889.45
Ni 231.604	160.373b	ppb	1.2455	0.8	517.924
Pb 220.353	180.307b	ppb	1.3221	0.7	303.221
Sb 206.834	151.191b	ppb	2.0709	1.4	211.369
Se 196.026	147.420b	ppb	4.6493	3.2	78.6532
Sn 189.925	148.342b	ppb	0.2205	0.1	106.758
Sr 216.596	158.559b	ppb	0.4897	0.3	1951.82

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	195.173b	ppb	0.0448	0.0	63994.6
Tl 190.794	26.7063b	ppb	1.1578	4.3	19.8992
V 292.401	159.906b	ppb	0.1949	0.1	4773.34
Zn 206.200	869.720b	ppb	2.4126	0.3	922.388

680-109506-a-1-f msd (Samp) **2/5/2015, 6:54:16 AM** **Rack 4, Tube 18**

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

Label	Replicates Concentration		
Ag 328.068	140.709	140.365	139.776
Al 308.215	1942.26	1936.62	1937.45
As 188.980	164.579	159.145	155.150
B 249.678	342.026	342.227	343.872
Ba 389.178	165.967	165.994	165.725
Be 313.042	157.803	157.078	157.233
Ca 370.602	20818	20687	20779
Cd 226.502	157.020	156.739	157.501
Co 228.615	152.585	151.266	152.463
Cr 267.716	158.696	158.170	158.441
Cu 324.754	302.231	301.946	301.247
Fe 271.441	16308.2	16254.5	16308.4
K 766.491	52891.3x	52767.6x	52657.0x
Mg 279.078	16395.8	16348.2	16383.2
Mn 257.610	1666.72	1661.68	1667.49
Mo 202.032	157.279	157.659	157.595
Na 330.237	107660x	107336x	107158x
Ni 231.604	157.904	157.588	157.950
Pb 220.353	175.024	181.500	179.590
Sb 206.834	153.383	150.476	150.513
Se 196.026	148.151	154.683	146.283
Sn 189.925	150.262	148.978	153.283
Sr 216.596	158.604	158.019	157.959
Ti 334.941	195.570	194.709	194.691
Tl 190.794	28.6174	29.1269	30.1025
V 292.401	159.242	158.540	158.382
Zn 206.200	867.317	865.855	865.988

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	140.283b	ppb	0.4721	0.3	13073.5
Al 308.215	1938.78b	ppb	3.0420	0.2	15425.0
As 188.980	159.625b	ppb	4.7327	3.0	106.763
B 249.678	342.708b	ppb	1.0127	0.3	6504.63
Ba 389.178	165.895b	ppb	0.1482	0.1	4010.86
Be 313.042	157.371b	ppb	0.3820	0.2	310922
Ca 370.602	20761b	ppb	67.03	0.3	65344
Cd 226.502	157.086b	ppb	0.3852	0.2	7318.60
Co 228.615	152.104b	ppb	0.7289	0.5	1787.23
Cr 267.716	158.436b	ppb	0.2630	0.2	9162.19
Cu 324.754	301.808b	ppb	0.5061	0.2	23313.1
Fe 271.441	16290.3b	ppb	31.0593	0.2	27528.5
K 766.491	52772.0xb	ppb	117.172	0.2	2545202
Mg 279.078	16375.7b	ppb	24.6792	0.2	47586.0
Mn 257.610	1665.29b	ppb	3.1550	0.2	400303
Mo 202.032	157.511b	ppb	0.2038	0.1	1091.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	107385xb	ppb	254.451	0.2	5904.56
Ni 231.604	157.814b	ppb	0.1967	0.1	509.594
Pb 220.353	178.705b	ppb	3.3274	1.9	300.644
Sb 206.834	151.457b	ppb	1.6678	1.1	211.754
Se 196.026	149.705b	ppb	4.4106	2.9	79.7509
Sn 189.925	150.841b	ppb	2.2100	1.5	108.658
Sr 216.596	158.194b	ppb	0.3562	0.2	1947.38
Ti 334.941	194.990b	ppb	0.5023	0.3	63934.2
Tl 190.794	29.2823b	ppb	0.7547	2.6	22.8360
V 292.401	158.721b	ppb	0.4577	0.3	4737.83
Zn 206.200	866.387b	ppb	0.8084	0.1	918.856

680-109437-a-11-c (Samp) **2/5/2015, 6:58:53 AM** **Rack 4, Tube 19**

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

Label	Replicates Concentration		
Ag 328.068	-0.2902u	0.0100	0.0266
Al 308.215	13.8626	13.8245	11.5605
As 188.980	0.1564	-0.1844u	-1.2970u
B 249.678	19.7912	20.0025	19.6873
Ba 389.178	5.7091	5.7885	6.1036
Be 313.042	0.0117	0.0115	0.0177
Ca 370.602	1216	1219	1197
Cd 226.502	0.2768	0.1032	0.0911
Co 228.615	0.1491	-0.4305u	-0.0259u
Cr 267.716	0.1326	-0.0769u	0.1904
Cu 324.754	0.7335	0.6158	0.7692
Fe 271.441	9.2560	7.4820	9.0387
K 766.491	194.443	195.656	193.679
Mg 279.078	156.963	156.556	157.925
Mn 257.610	38.8957	39.0896	38.4531
Mo 202.032	0.4104	-0.3592u	-0.3893u
Na 330.237	116519x	117319x	115871x
Ni 231.604	0.4442	0.7027	0.6404
Pb 220.353	1.0746	1.8278	2.6108
Sb 206.834	-0.1774u	3.7754	1.2261
Se 196.026	-0.4079u	-1.2766u	-2.8352u
Sn 189.925	-0.1584u	-1.0814u	0.6303
Sr 216.596	3.6406	3.0718	3.5109
Ti 334.941	0.1029	0.1059	0.1229
Tl 190.794	1.2344	0.9009	3.1335
V 292.401	-0.0640u	-0.0746u	-0.0904u
Zn 206.200	8.9173	8.8264	9.6145

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0845b	ppb	0.1783	211.0	-17.6018
Al 308.215	13.0825b	ppb	1.3183	10.1	426.041
As 188.980	-0.4417b	ppb	0.7601	172.1	-4.5464
B 249.678	19.8270b	ppb	0.1606	0.8	418.594
Ba 389.178	5.8670b	ppb	0.2086	3.6	96.4140
Be 313.042	0.0136b	ppb	0.0035	26.1	-324.180
Ca 370.602	1211b	ppb	11.96	1.0	3829
Cd 226.502	0.1571b	ppb	0.1039	66.2	30.7891
Co 228.615	-0.1024b	ppb	0.2973	290.2	-2.0848

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.0820b	ppb	0.1406	171.5	38.0214
Cu 324.754	0.7062b	ppb	0.0803	11.4	242.654
Fe 271.441	8.5922b	ppb	0.9676	11.3	20.4568
K 766.491	194.593b	ppb	0.9969	0.5	9712.59
Mg 279.078	157.148b	ppb	0.7028	0.4	474.519
Mn 257.610	38.8128b	ppb	0.3262	0.8	9388.68
Mo 202.032	-0.1127b	ppb	0.4533	402.3	4.8652
Na 330.237	116570xb	ppb	725.559	0.6	6434.70
Ni 231.604	0.5958b	ppb	0.1349	22.6	-3.1747
Pb 220.353	1.8377b	ppb	0.7681	41.8	15.6612
Sb 206.834	1.6080b	ppb	2.0039	124.6	-1.6482
Se 196.026	-1.5066b	ppb	1.2299	81.6	6.3484
Sn 189.925	-0.2032b	ppb	0.8567	421.7	-6.1975
Sr 216.596	3.4077b	ppb	0.2981	8.7	44.1307
Ti 334.941	0.1105b	ppb	0.0108	9.8	-13.4827
Tl 190.794	1.7562b	ppb	1.2043	68.6	-6.8332
V 292.401	-0.0764b	ppb	0.0133	17.4	-16.4130
Zn 206.200	9.1194b	ppb	0.4312	4.7	10.0501

680-109437-a-12-c (Samp) **2/5/2015, 7:03:30 AM** **Rack 4, Tube 20**

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

Label	Replicates Concentration		
Ag 328.068	0.0483	0.1299	0.0287
Al 308.215	25.7393	25.0084	24.4149
As 188.980	-5.3201u	-4.3475u	-2.6822u
B 249.678	17.7531	17.5516	17.3462
Ba 389.178	4.6560	3.9420	3.9906
Be 313.042	0.0085	0.0133	0.0136
Ca 370.602	287.1	283.9	284.9
Cd 226.502	0.1306	0.0657	0.0508
Co 228.615	0.4448	-0.1871u	0.3031
Cr 267.716	0.1138	0.0662	0.1618
Cu 324.754	0.1574	0.1281	0.0385
Fe 271.441	4.3781	3.7837	2.0278
K 766.491	85.4576	83.6460	83.5561
Mg 279.078	86.3433	87.7935	87.3725
Mn 257.610	1.5176	1.4744	1.4431
Mo 202.032	-0.0121u	-0.4485u	-0.2076u
Na 330.237	117555x	115487x	115609x
Ni 231.604	-0.1948u	-0.3474u	0.0512
Pb 220.353	0.8711	0.4683	-0.5814u
Sb 206.834	0.9458	-0.7417u	-0.4478u
Se 196.026	4.5839	4.5806	4.3861
Sn 189.925	-1.2025u	-1.3509u	3.6745
Sr 216.596	1.5914	1.5369	1.5339
Ti 334.941	0.1269	0.0947	0.0879
Tl 190.794	2.6283	0.8070	-1.2569u
V 292.401	0.0736	0.2038	0.1390
Zn 206.200	2.1738	3.5952	2.9931

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0690b	ppb	0.0537	77.8	-3.4226
Al 308.215	25.0542b	ppb	0.6634	2.6	519.117

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-4.1166b	ppb	1.3340	32.4	-7.1055
B 249.678	17.5503b	ppb	0.2035	1.2	375.348
Ba 389.178	4.1962b	ppb	0.3989	9.5	55.9209
Be 313.042	0.0118b	ppb	0.0029	24.5	-328.074
Ca 370.602	285.3b	ppb	1.647	0.6	913.9
Cd 226.502	0.0824b	ppb	0.0425	51.5	27.3379
Co 228.615	0.1870b	ppb	0.3316	177.3	1.3175
Cr 267.716	0.1139b	ppb	0.0478	41.9	39.6640
Cu 324.754	0.1080b	ppb	0.0619	57.3	196.837
Fe 271.441	3.3965b	ppb	1.2220	36.0	11.7028
K 766.491	84.2199b	ppb	1.0728	1.3	4389.99
Mg 279.078	87.1698b	ppb	0.7460	0.9	271.903
Mn 257.610	1.4784b	ppb	0.0374	2.5	419.435
Mo 202.032	-0.2227b	ppb	0.2186	98.1	4.1058
Na 330.237	116217xb	ppb	1160.77	1.0	6415.46
Ni 231.604	-0.1637b	ppb	0.2011	122.9	-5.6472
Pb 220.353	0.2526b	ppb	0.7498	296.8	13.1096
Sb 206.834	-0.0813b	ppb	0.9015	1109.3	-4.0529
Se 196.026	4.5169b	ppb	0.1133	2.5	9.2417
Sn 189.925	0.3737b	ppb	2.8595	765.2	-5.7589
Sr 216.596	1.5541b	ppb	0.0323	2.1	21.2594
Ti 334.941	0.1032b	ppb	0.0208	20.2	-16.0341
Tl 190.794	0.7262b	ppb	1.9439	267.7	-8.0239
V 292.401	0.1388b	ppb	0.0651	46.9	-9.8806
Zn 206.200	2.9207b	ppb	0.7135	24.4	3.4724

CRI (Samp) **2/5/2015, 7:08:07 AM** **Rack 4, Tube 21**

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

Label	Replicates Concentration		
Ag 328.068	9.7572	9.8885	9.8632
Al 308.215	191.354	192.255	192.959
As 188.980	20.3923	19.2635	19.5189
B 249.678	98.9954	98.5285	98.8033
Ba 389.178	9.1565	9.4415	9.4577
Be 313.042	4.1362	4.1419	4.1181
Ca 370.602	485.5	487.2	487.0
Cd 226.502	4.9576	4.9871	4.8829
Co 228.615	9.9561	10.4139	9.8908
Cr 267.716	9.7580	9.6302	9.8634
Cu 324.754	20.3163	20.5463	20.2291
Fe 271.441	53.2773	51.8632	46.4686
K 766.491	1050.51	1050.09	1042.79
Mg 279.078	509.686	511.090	509.765
Mn 257.610	10.6416	10.7111	10.6151
Mo 202.032	9.5370	9.7140	9.6455
Na 330.237	1139.35	1147.70	1080.88
Ni 231.604	39.8421	40.5116	40.6295
Pb 220.353	12.5003	7.6396	8.6926
Sb 206.834	19.9837	21.2058	22.2596
Se 196.026	15.9225	14.9126	18.4329
Sn 189.925	49.1052	48.1555	50.7401
Sr 216.596	9.8036	10.2854	9.4596
Ti 334.941	9.3371	9.3210	9.2809

Label	Replicates Concentration		
Tl 190.794	19.7957	21.2176	22.4793
V 292.401	10.7352	10.7816	10.7327
Zn 206.200	20.2597	20.5657	23.7926

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.8363	ppb	0.0697	0.7	907.241
Al 308.215	192.189	ppb	0.8046	0.4	1820.19
As 188.980	19.7249	ppb	0.5919	3.0	9.4943
B 249.678	98.7758	ppb	0.2347	0.2	1916.82
Ba 389.178	9.3519	ppb	0.1694	1.8	181.444
Be 313.042	4.1321	ppb	0.0124	0.3	7834.60
Ca 370.602	486.6	ppb	0.9588	0.2	1552
Cd 226.502	4.9425	ppb	0.0537	1.1	251.539
Co 228.615	10.0869	ppb	0.2850	2.8	117.534
Cr 267.716	9.7505	ppb	0.1168	1.2	591.615
Cu 324.754	20.3639	ppb	0.1639	0.8	1748.34
Fe 271.441	50.5364	ppb	3.5930	7.1	92.6042
K 766.491	1047.80	ppb	4.3406	0.4	50857.7
Mg 279.078	510.181	ppb	0.7887	0.2	1501.34
Mn 257.610	10.6559	ppb	0.0496	0.5	2628.54
Mo 202.032	9.6322	ppb	0.0893	0.9	72.0946
Na 330.237	1122.64	ppb	36.4112	3.2	88.8853
Ni 231.604	40.3277	ppb	0.4247	1.1	126.117
Pb 220.353	9.6108	ppb	2.5571	26.6	28.1143
Sb 206.834	21.1497	ppb	1.1390	5.4	26.1784
Se 196.026	16.4227	ppb	1.8127	11.0	14.9808
Sn 189.925	49.3336	ppb	1.3074	2.7	31.4352
Sr 216.596	9.8495	ppb	0.4148	4.2	120.922
Ti 334.941	9.3130	ppb	0.0290	0.3	3015.51
Tl 190.794	21.1642	ppb	1.3426	6.3	15.2525
V 292.401	10.7498	ppb	0.0275	0.3	309.385
Zn 206.200	21.5393	ppb	1.9574	9.1	23.2087

mb 680-369481/1-a (Samp) **2/5/2015, 7:12:44 AM** **Rack 4, Tube 22**

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

Label	Replicates Concentration		
Ag 328.068	-0.1113u	0.0700	-0.1147u
Al 308.215	0.3069	0.2430	0.1706
As 188.980	-4.2188u	0.3371	-4.2013u
B 249.678	1.3019	1.5470	1.5736
Ba 389.178	-0.5089u	-0.5855u	-0.9273u
Be 313.042	0.0073	0.0048	-0.0009u
Ca 370.602	3.662	6.751	7.291
Cd 226.502	0.1705	0.0906	0.0116
Co 228.615	-0.0502u	-0.2830u	-0.3565u
Cr 267.716	0.0340	0.0326	0.0178
Cu 324.754	-0.1636u	-0.0274u	0.0143
Fe 271.441	6.2712	-3.2066u	6.6700
K 766.491	8.0204	7.6597	8.1183
Mg 279.078	2.0994	1.4609	5.2354
Mn 257.610	0.0626	0.0374	0.0491
Mo 202.032	0.4114	-0.2375u	-0.0144u
Na 330.237	159.369	52.7840	-7.2324u

Label	Replicates Concentration		
Ni 231.604	1.1084	0.9273	-0.2613u
Pb 220.353	-0.4740u	0.1548	-1.2905u
Sb 206.834	-0.9571u	-0.8171u	0.4985
Se 196.026	-2.3660u	3.6763	-1.5346u
Sn 189.925	2.0698	1.0118	0.6025
Sr 216.596	0.1537	0.2192	0.7430
Ti 334.941	0.0082	0.0482	0.0947
Tl 190.794	0.2397	1.5999	2.6057
V 292.401	-0.0137u	0.0622	0.0373
Zn 206.200	1.3950	1.1113	0.9623

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0520	ppb	0.1057	203.1	-14.6672
Al 308.215	0.2402	ppb	0.0682	28.4	326.230
As 188.980	-2.6943	ppb	2.6253	97.4	-6.1152
B 249.678	1.4742	ppb	0.1498	10.2	70.3139
Ba 389.178	-0.6739	ppb	0.2228	33.1	-61.8212
Be 313.042	0.0037	ppb	0.0042	111.6	-330.376
Ca 370.602	5.902	ppb	1.958	33.2	34.09
Cd 226.502	0.0909	ppb	0.0795	87.4	28.5139
Co 228.615	-0.2299	ppb	0.1599	69.6	-3.5881
Cr 267.716	0.0281	ppb	0.0090	31.9	32.2986
Cu 324.754	-0.0589	ppb	0.0930	157.9	184.068
Fe 271.441	3.2448	ppb	5.5907	172.3	11.4079
K 766.491	7.9328	ppb	0.2415	3.0	711.120
Mg 279.078	2.9319	ppb	2.0203	68.9	27.0624
Mn 257.610	0.0497	ppb	0.0126	25.4	76.1516
Mo 202.032	0.0532	ppb	0.3297	619.9	6.0098
Na 330.237	68.3067	ppb	84.3783	123.5	31.4428
Ni 231.604	0.5914	ppb	0.7441	125.8	-3.1886
Pb 220.353	-0.5366	ppb	0.7247	135.1	11.8428
Sb 206.834	-0.4252	ppb	0.8030	188.8	-4.5498
Se 196.026	-0.0748	ppb	3.2750	4378.8	7.0290
Sn 189.925	1.2280	ppb	0.7572	61.7	-5.1461
Sr 216.596	0.3720	ppb	0.3230	86.8	6.7777
Ti 334.941	0.0504	ppb	0.0433	85.9	-23.1682
Tl 190.794	1.4818	ppb	1.1875	80.1	-7.1665
V 292.401	0.0286	ppb	0.0387	135.3	-12.2826
Zn 206.200	1.1562	ppb	0.2198	19.0	1.6002

lcs 680-369481/2-a (Samp) **2/5/2015, 7:17:21 AM** **Rack 4, Tube 23**

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

Label	Replicates Concentration		
Ag 328.068	47.2981	47.4785	47.3211
Al 308.215	4760.80	4736.86	4740.77
As 188.980	98.7101	96.9510	101.076
B 249.678	191.330	191.463	192.016
Ba 389.178	93.8640	93.7854	94.3444
Be 313.042	50.8308	50.6122	50.7306
Ca 370.602	4720	4699	4700
Cd 226.502	48.9994	48.5324	48.6915
Co 228.615	49.5079	49.2239	49.9936
Cr 267.716	100.555	99.4856	99.9650

Label	Replicates Concentration		
Cu 324.754	100.816	99.9886	99.6643
Fe 271.441	4756.95	4751.53	4753.47
K 766.491	4970.57	4965.89	4967.44
Mg 279.078	4872.40	4852.40	4850.54
Mn 257.610	518.228	515.886	515.742
Mo 202.032	97.8396	95.6516	95.5069
Na 330.237	4867.72	4760.57	5036.56
Ni 231.604	99.0256	96.7354	98.4643
Pb 220.353	495.066	491.967	496.653
Sb 206.834	47.1606	47.2623	50.4821
Se 196.026	95.8121	89.3267	95.5054
Sn 189.925	189.751	193.016	191.792
Sr 216.596	94.9771	95.2643	94.1843
Ti 334.941	92.5993	92.3475	92.3645
Tl 190.794	36.1908	39.3467	41.5787
V 292.401	101.030	100.315	100.602
Zn 206.200	99.9040	99.0225	98.9376

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.3659	ppb	0.0982	0.2	4406.22
Al 308.215	4746.14	ppb	12.8403	0.3	37237.1
As 188.980	98.9123	ppb	2.0697	2.1	64.5813
B 249.678	191.603	ppb	0.3639	0.2	3666.23
Ba 389.178	93.9979	ppb	0.3026	0.3	2239.10
Be 313.042	50.7245	ppb	0.1094	0.2	99987.8
Ca 370.602	4706	ppb	11.77	0.3	14842
Cd 226.502	48.7411	ppb	0.2374	0.5	2286.21
Co 228.615	49.5751	ppb	0.3893	0.8	581.244
Cr 267.716	100.002	ppb	0.5359	0.5	5787.99
Cu 324.754	100.156	ppb	0.5940	0.6	7863.39
Fe 271.441	4753.98	ppb	2.7474	0.1	8038.98
K 766.491	4967.97	ppb	2.3854	0.0	239904
Mg 279.078	4858.45	ppb	12.1171	0.2	14128.9
Mn 257.610	516.619	ppb	1.3956	0.3	124226
Mo 202.032	96.3327	ppb	1.3071	1.4	670.040
Na 330.237	4888.28	ppb	139.137	2.8	292.686
Ni 231.604	98.0751	ppb	1.1937	1.2	314.388
Pb 220.353	494.562	ppb	2.3834	0.5	806.566
Sb 206.834	48.3017	ppb	1.8890	3.9	64.7042
Se 196.026	93.5481	ppb	3.6590	3.9	52.3076
Sn 189.925	191.519	ppb	1.6495	0.9	139.559
Sr 216.596	94.8086	ppb	0.5594	0.6	1158.10
Ti 334.941	92.4371	ppb	0.1407	0.2	30285.9
Tl 190.794	39.0387	ppb	2.7071	6.9	35.0549
V 292.401	100.649	ppb	0.3597	0.4	3002.93
Zn 206.200	99.2880	ppb	0.5351	0.5	105.368

680-109540-b-1-a (Samp) **2/5/2015, 7:21:58 AM** **Rack 4, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	-0.1467u	-0.1587u	0.1178
Al 308.215	372.058	367.633	371.385
As 188.980	-3.8117u	-2.7410u	4.4186

Label	Replicates Concentration		
B 249.678	140.076	140.757	140.676
Ba 389.178	14.4066	15.0836	15.2317
Be 313.042	0.0157	0.0211	0.0140
Ca 370.602	125123	124955	125138
Cd 226.502	0.2809	0.2562	0.2509
Co 228.615	3.3099	3.3263	3.6733
Cr 267.716	-0.0110	-0.2807	-0.1395
Cu 324.754	0.3098	0.1479	0.1678
Fe 271.441	734.957	734.111	732.405
K 766.491	5424.32	5391.46	5397.71
Mg 279.078	46400.9	46440.3	46336.8
Mn 257.610	2517.03	2515.30	2515.24
Mo 202.032	-0.4881u	0.1232	0.4076
Na 330.237	167711x	167390x	167260x
Ni 231.604	9.7364	10.8112	11.1794
Pb 220.353	-1.1631u	-1.8099u	-0.3720u
Sb 206.834	2.0890	4.0888	1.1062
Se 196.026	-2.3693u	-2.9257u	3.1002
Sn 189.925	-0.6949u	3.0224	1.3818
Sr 216.596	207.288	208.218	208.016
Ti 334.941	0.1011	0.1052	0.0796
Tl 190.794	0.8994	1.5464	0.9529
V 292.401	-0.0758u	0.0171u	-0.2470u
Zn 206.200	29.2868	32.3064	30.9151

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0625b	ppb	0.1563	249.9	-10.6722
Al 308.215	370.358b	ppb	2.3846	0.6	3203.44
As 188.980	-0.7114b	ppb	4.4748	629.0	-4.7392
B 249.678	140.503b	ppb	0.3724	0.3	2706.51
Ba 389.178	14.9073b	ppb	0.4399	3.0	420.274
Be 313.042	0.0169b	ppb	0.0037	21.7	-277.270
Ca 370.602	125072b	ppb	101.5	0.1	393903
Cd 226.502	0.2627b	ppb	0.0160	6.1	39.6286
Co 228.615	3.4365b	ppb	0.2052	6.0	39.5463
Cr 267.716	-0.1437b	ppb	0.1349	93.9	39.2058
Cu 324.754	0.2085b	ppb	0.0883	42.3	204.872
Fe 271.441	733.825b	ppb	1.2999	0.2	1245.26
K 766.491	5404.50b	ppb	17.4464	0.3	260955
Mg 279.078	46392.7b	ppb	52.2225	0.1	134828
Mn 257.610	2515.86b	ppb	1.0140	0.0	604835
Mo 202.032	0.0142b	ppb	0.4577	3215.1	5.7060
Na 330.237	167453xb	ppb	232.143	0.1	9230.78
Ni 231.604	10.5757b	ppb	0.7497	7.1	29.3632
Pb 220.353	-1.1150b	ppb	0.7202	64.6	11.4796
Sb 206.834	2.4280b	ppb	1.5199	62.6	-0.4668
Se 196.026	-0.7316b	ppb	3.3301	455.2	7.3217
Sn 189.925	1.2364b	ppb	1.8629	150.7	-5.0868
Sr 216.596	207.841b	ppb	0.4893	0.2	2577.83
Ti 334.941	0.0953b	ppb	0.0137	14.4	70.2070
Tl 190.794	1.1329b	ppb	0.3591	31.7	-6.3461
V 292.401	-0.1019b	ppb	0.1340	131.5	-17.3119
Zn 206.200	30.8361b	ppb	1.5113	4.9	33.0696

Cont Calib Verif (CCV) **2/5/2015, 7:26:36 AM** **Rack 4, Tube 25**

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

Label	Replicates Concentration		
Ag 328.068	454.085	452.717	456.033
Al 308.215	4556.85	4557.95	4569.33
As 188.980	456.056	460.778	464.991
B 249.678	463.450	465.935	468.474
Ba 389.178	4517.61	4513.14	4524.05
Be 313.042	478.513	474.982	478.166
Ca 370.602	4521	4511	4551
Cd 226.502	463.703	465.453	466.486
Co 228.615	475.587	475.476	478.314
Cr 267.716	4731.70	4728.50	4752.41
Cu 324.754	4810.11	4816.54	4795.71
Fe 271.441	4557.36	4544.99	4563.87
K 766.491	9788.25	9747.82	9786.65
Mg 279.078	4741.00	4749.65	4771.32
Mn 257.610	4816.99	4820.58	4839.88
Mo 202.032	454.982	459.409	459.958
Na 330.237	7531.58	7621.00	7581.22
Ni 231.604	2384.23	2386.00	2400.04
Pb 220.353	473.826	480.997	475.278
Sb 206.834	895.197	892.059	900.238
Se 196.026	4633.23	4648.06	4674.53
Sn 189.925	4628.76	4637.20	4644.20
Sr 216.596	2308.35	2324.11	2322.06
Ti 334.941	433.642	433.416	433.707
Tl 190.794	4666.23	4696.10	4726.49
V 292.401	4710.57	4702.75	4717.42
Zn 206.200	2368.33	2362.63	2376.75

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	454.278	ppb	1.6662	0.4	42308.6	90.85567
Al 308.215	4561.38	ppb	6.9056	0.2	36516.6	91.22756
As 188.980	460.608	ppb	4.4697	1.0	316.356	92.12167
B 249.678	465.953	ppb	2.5120	0.5	8886.82	93.19061
Ba 389.178	4518.27	ppb	5.4856	0.1	109043	90.36534
Be 313.042	477.220	ppb	1.9465	0.4	943818	95.44408
Ca 370.602	4528	ppb	20.62	0.5	14614	90.55670
Cd 226.502	465.214	ppb	1.4069	0.3	21411.0	93.04277
Co 228.615	476.459	ppb	1.6075	0.3	5601.15	95.29176
Cr 267.716	4737.54	ppb	12.9809	0.3	272571	94.75074
Cu 324.754	4807.45	ppb	10.6659	0.2	368300	96.14900
Fe 271.441	4555.40	ppb	9.5876	0.2	7798.37	91.10809
K 766.491	9774.24	ppb	22.8968	0.2	471681	97.74241
Mg 279.078	4753.99	ppb	15.6160	0.3	13730.8	95.07986
Mn 257.610	4825.81	ppb	12.3104	0.3	1159397	96.51628
Mo 202.032	458.116	ppb	2.7282	0.6	3161.42	91.62327
Na 330.237	7577.93	ppb	44.8003	0.6	385.440	101.03909
Ni 231.604	2390.09	ppb	8.6636	0.4	7772.97	95.60365
Pb 220.353	476.701	ppb	3.7910	0.8	781.835	95.34014
Sb 206.834	895.831	ppb	4.1262	0.5	1328.51	89.58310Q
Se 196.026	4651.94	ppb	20.9232	0.4	2249.68	93.03875
Sn 189.925	4636.72	ppb	7.7313	0.2	3519.83	92.73444
Sr 216.596	2318.17	ppb	8.5700	0.4	28094.5	92.72691

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	433.588	ppb	0.1530	0.0	142168	86.71764Q
Tl 190.794	4696.27	ppb	30.1310	0.6	5347.19	93.92543
V 292.401	4710.25	ppb	7.3417	0.2	142100	94.20494
Zn 206.200	2369.24	ppb	7.1009	0.3	2504.83	94.76944

Cont Calib Blank (CCB) **2/5/2015, 7:31:13 AM** **Rack 4, Tube 26**

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

Label	Replicates Concentration		
Ag 328.068	0.0655	-0.0609u	0.1958
Al 308.215	-1.8994u	-0.4031u	-0.9240u
As 188.980	-0.2899u	0.4668	0.4316
B 249.678	3.3265	3.1086	2.4018
Ba 389.178	-0.1811u	0.8215	0.4105
Be 313.042	0.0104	0.0209	0.0224
Ca 370.602	4.357	1.352	1.618
Cd 226.502	-0.0349u	0.0974	0.0156
Co 228.615	-0.0622u	-0.2339u	-0.2153u
Cr 267.716	-0.0595u	-0.0375u	-0.1752u
Cu 324.754	-0.0987u	0.1744	-0.0762u
Fe 271.441	0.9154	0.6448	1.6369
K 766.491	6.8396	6.2641	6.7849
Mg 279.078	0.7135	1.0337	0.9702
Mn 257.610	0.1682	0.1990	0.2862
Mo 202.032	0.5684	0.3193	0.9681
Na 330.237	-61.0984u	47.0949	-3.4722u
Ni 231.604	0.1110	0.3579	0.5841
Pb 220.353	0.1579	-1.9076u	-0.7656u
Sb 206.834	5.6665	3.0500	-0.4355u
Se 196.026	-3.2068u	-3.8927u	-4.1746u
Sn 189.925	0.3563	1.5987	1.3686
Sr 216.596	0.2313	0.2435	0.3522
Ti 334.941	0.1568	0.1209	0.0949
Tl 190.794	3.9832	7.4702	7.1500
V 292.401	0.1259	0.1478	0.4081
Zn 206.200	3.7866	2.3600	3.9630

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0668	ppb	0.1283	192.1	-3.5854	0.06681
Al 308.215	-1.0755	ppb	0.7596	70.6	316.041	-1.07549
As 188.980	0.2029	ppb	0.4271	210.5	-4.0977	0.20287
B 249.678	2.9456	ppb	0.4834	16.4	98.3235	2.94562
Ba 389.178	0.3503	ppb	0.5040	143.9	-37.1022	0.35027
Be 313.042	0.0179	ppb	0.0065	36.6	-302.464	0.01790
Ca 370.602	2.443	ppb	1.664	68.1	23.28	2.44252
Cd 226.502	0.0260	ppb	0.0668	256.6	25.5075	0.02602
Co 228.615	-0.1704	ppb	0.0942	55.3	-2.9077	-0.17045
Cr 267.716	-0.0907	ppb	0.0740	81.5	25.4540	-0.09073
Cu 324.754	-0.0002	ppb	0.1516	88110.9	188.587	-0.00017
Fe 271.441	1.0657	ppb	0.5129	48.1	7.7344	1.06569
K 766.491	6.6295	ppb	0.3176	4.8	648.271	6.62952
Mg 279.078	0.9058	ppb	0.1695	18.7	21.1691	0.90581
Mn 257.610	0.2178	ppb	0.0612	28.1	116.508	0.21779
Mo 202.032	0.6186	ppb	0.3273	52.9	9.9115	0.61860

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	-5.8253	ppb	54.1350	929.3	27.3212	-5.82527
Ni 231.604	0.3510	ppb	0.2367	67.4	-3.9717	0.35100
Pb 220.353	-0.8384	ppb	1.0347	123.4	11.3571	-0.83841
Sb 206.834	2.7603	ppb	3.0613	110.9	-0.0221	2.76034
Se 196.026	-3.7580	ppb	0.4977	13.2	5.2543	-3.75803
Sn 189.925	1.1079	ppb	0.6610	59.7	-5.2375	1.10789
Sr 216.596	0.2757	ppb	0.0665	24.1	5.5899	0.27570
Ti 334.941	0.1242	ppb	0.0311	25.0	1.0518	0.12420
Tl 190.794	6.2011	ppb	1.9274	31.1	-1.7947	6.20113
V 292.401	0.2273	ppb	0.1570	69.1	-6.4048	0.22726
Zn 206.200	3.3699	ppb	0.8790	26.1	3.9497	3.36986

680-109540-b-1-aSD^5 (Samp) **2/5/2015, 7:35:51 AM** **Rack 4, Tube 27**

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

Label	Replicates Concentration		
Ag 328.068	0.0993	0.0311	0.0160
Al 308.215	79.6931	78.8520	75.5024
As 188.980	-0.5747u	-3.9079u	0.1498
B 249.678	31.0306	30.4619	29.5418
Ba 389.178	3.0826	2.7688	2.4163
Be 313.042	0.0094	0.0007	0.0145
Ca 370.602	26986	26298	25738
Cd 226.502	0.1235	-0.0303u	0.2234
Co 228.615	0.9056	1.0055	0.6933
Cr 267.716	-0.0353	0.0710	0.2119
Cu 324.754	-0.3357u	0.2857	-0.2544u
Fe 271.441	164.323	162.659	164.190
K 766.491	1007.62	990.672	975.479
Mg 279.078	10355.8	10132.4	9892.51
Mn 257.610	559.842	545.952	533.760
Mo 202.032	0.3019	0.1116	0.0239
Na 330.237	33206.7	32653.5	32087.7
Ni 231.604	3.2297	3.3085	2.3785
Pb 220.353	-2.0522u	0.8595	0.4420
Sb 206.834	4.3133	3.6653	1.7558
Se 196.026	0.5483	0.5302	0.5116
Sn 189.925	-0.6240u	1.3332	2.2317
Sr 216.596	46.7213	45.6112	44.1110
Ti 334.941	0.1136	0.1319	0.0785
Tl 190.794	3.3106	3.1278	3.0351
V 292.401	0.0046u	-0.1142u	-0.1185u
Zn 206.200	9.0665	7.2636	7.8189

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0488	ppb	0.0444	90.9	-4.1814
Al 308.215	78.0159	ppb	2.2169	2.8	930.847
As 188.980	-1.4442	ppb	2.1641	149.8	-5.2457
B 249.678	30.3448	ppb	0.7513	2.5	617.756
Ba 389.178	2.7559	ppb	0.3333	12.1	44.1072
Be 313.042	0.0082	ppb	0.0070	85.5	-315.710
Ca 370.602	26341	ppb	624.9	2.4	82970
Cd 226.502	0.1055	ppb	0.1278	121.1	29.9188
Co 228.615	0.8681	ppb	0.1594	18.4	9.3234

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.0825	ppb	0.1240	150.3	38.9948
Cu 324.754	-0.1015	ppb	0.3377	332.8	180.881
Fe 271.441	163.724	ppb	0.9248	0.6	282.458
K 766.491	991.257	ppb	16.0785	1.6	48130.9
Mg 279.078	10126.9	ppb	231.692	2.3	29445.8
Mn 257.610	546.518	ppb	13.0502	2.4	131439
Mo 202.032	0.1458	ppb	0.1421	97.5	6.6412
Na 330.237	32649.3	ppb	559.531	1.7	1822.04
Ni 231.604	2.9722	ppb	0.5157	17.4	4.5719
Pb 220.353	-0.2502	ppb	1.5744	629.2	12.4249
Sb 206.834	3.2448	ppb	1.3296	41.0	0.6839
Se 196.026	0.5301	ppb	0.0184	3.5	7.4526
Sn 189.925	0.9803	ppb	1.4602	149.0	-5.3241
Sr 216.596	45.4812	ppb	1.3100	2.9	565.394
Ti 334.941	0.1080	ppb	0.0271	25.1	13.2408
Tl 190.794	3.1578	ppb	0.1402	4.4	-4.9942
V 292.401	-0.0760	ppb	0.0699	91.9	-15.6722
Zn 206.200	8.0497	ppb	0.9233	11.5	8.9096

680-109540-b-1-aPDS (Samp) **2/5/2015, 7:40:28 AM** **Rack 4, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	85.2808	85.4875	85.2825
Al 308.215	1385.11	1389.46	1388.50
As 188.980	99.2495	105.255	99.0304
B 249.678	337.488	338.896	339.039
Ba 389.178	98.4436	97.2372	97.2729
Be 313.042	97.2935	97.3772	97.3587
Ca 370.602	140628	141215	141086
Cd 226.502	92.7456	92.7888	92.8450
Co 228.615	97.2598	97.2160	96.9379
Cr 267.716	96.0248	96.3319	96.0666
Cu 324.754	101.419	101.206	101.270
Fe 271.441	9970.97	9984.10	10004.5
K 766.491	17889.8	17896.8	17898.5
Mg 279.078	58395.5	58435.2	58350.8
Mn 257.610	3539.34	3529.97	3538.37
Mo 202.032	94.4163	93.8932	94.2273
Na 330.237	187939x	187909x	187288x
Ni 231.604	104.901	105.709	104.053
Pb 220.353	94.4415	97.1856	93.1304
Sb 206.834	93.7795	97.6285	95.8784
Se 196.026	102.087	97.8360	102.004
Sn 189.925	97.8394	96.6586	90.5198
Sr 216.596	309.478	309.105	307.412
Ti 334.941	90.7027	90.7511	90.6701
Tl 190.794	18.3065	20.4433	18.7627
V 292.401	100.003	99.7521	100.267
Zn 206.200	124.171	127.895	127.116

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	85.3503b	ppb	0.1188	0.1	7955.18
Al 308.215	1387.69b	ppb	2.2854	0.2	11130.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	101.178b	ppb	3.5322	3.5	66.1237
B 249.678	338.474b	ppb	0.8573	0.3	6439.98
Ba 389.178	97.6512b	ppb	0.6864	0.7	2453.30
Be 313.042	97.3431b	ppb	0.0440	0.0	192229
Ca 370.602	140976b	ppb	308.6	0.2	443951
Cd 226.502	92.7931b	ppb	0.0498	0.1	4334.94
Co 228.615	97.1379b	ppb	0.1746	0.2	1140.44
Cr 267.716	96.1411b	ppb	0.1666	0.2	5587.33
Cu 324.754	101.298b	ppb	0.1092	0.1	7953.14
Fe 271.441	9986.52b	ppb	16.8905	0.2	16878.7
K 766.491	17895.0b	ppb	4.6066	0.0	863297
Mg 279.078	58393.8b	ppb	42.2115	0.1	169693
Mn 257.610	3535.89b	ppb	5.1529	0.1	850007
Mo 202.032	94.1789b	ppb	0.2649	0.3	654.927
Na 330.237	187712xb	ppb	367.478	0.2	10339.4
Ni 231.604	104.887b	ppb	0.8281	0.8	336.909
Pb 220.353	94.9191b	ppb	2.0694	2.2	166.274
Sb 206.834	95.7621b	ppb	1.9271	2.0	132.471
Se 196.026	100.642b	ppb	2.4307	2.4	56.4981
Sn 189.925	95.0060b	ppb	3.9297	4.1	66.2252
Sr 216.596	308.665b	ppb	1.1011	0.4	3817.21
Ti 334.941	90.7080b	ppb	0.0408	0.0	29810.8
Tl 190.794	19.1708b	ppb	1.1254	5.9	13.3105
V 292.401	100.008b	ppb	0.2577	0.3	2981.15
Zn 206.200	126.394b	ppb	1.9645	1.6	133.956

680-109540-b-1-b ms (Samp) **2/5/2015, 7:45:06 AM** **Rack 4, Tube 29**

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

Label	Replicates Concentration		
Ag 328.068	49.7354	49.6223	49.4557
Al 308.215	5507.80	5496.07	5496.96
As 188.980	99.8693	101.018	105.145
B 249.678	337.191	336.435	337.078
Ba 389.178	107.966	107.552	109.576
Be 313.042	51.0105	50.8878	50.8023
Ca 370.602	129502	129444	129289
Cd 226.502	48.3753	48.4975	48.7940
Co 228.615	52.6408	52.8037	52.4381
Cr 267.716	99.8378	100.199	99.6006
Cu 324.754	104.936	104.009	104.510
Fe 271.441	5446.06	5444.36	5437.09
K 766.491	11954.1	11868.4	11859.2
Mg 279.078	51057.3	51087.7	51063.9
Mn 257.610	2940.80	2942.23	2941.56
Mo 202.032	96.6065	96.3966	96.5787
Na 330.237	172079x	173773x	172728x
Ni 231.604	107.776	105.986	107.447
Pb 220.353	487.180	485.339	490.137
Sb 206.834	53.4142	50.9026	51.1301
Se 196.026	100.721	104.019	98.1063
Sn 189.925	190.165	192.868	190.314
Sr 216.596	301.082	302.130	301.721
Ti 334.941	92.9173	92.8187	92.7712

Label	Replicates Concentration		
Tl 190.794	35.9721	34.1561	36.5197
V 292.401	100.661	101.312	100.617
Zn 206.200	127.316	130.037	126.694

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.6045b	ppb	0.1407	0.3	4619.50
Al 308.215	5500.27b	ppb	6.5309	0.1	43099.5
As 188.980	102.011b	ppb	2.7743	2.7	66.7342
B 249.678	336.901b	ppb	0.4076	0.1	6421.52
Ba 389.178	108.365b	ppb	1.0691	1.0	2691.48
Be 313.042	50.9002b	ppb	0.1046	0.2	100362
Ca 370.602	129412b	ppb	110.2	0.1	407573
Cd 226.502	48.5556b	ppb	0.2153	0.4	2280.76
Co 228.615	52.6276b	ppb	0.1832	0.3	617.160
Cr 267.716	99.8792b	ppb	0.3016	0.3	5797.25
Cu 324.754	104.485b	ppb	0.4638	0.4	8195.21
Fe 271.441	5442.50b	ppb	4.7638	0.1	9201.75
K 766.491	11893.9b	ppb	52.3513	0.4	573899
Mg 279.078	51069.6b	ppb	16.0048	0.0	148413
Mn 257.610	2941.53b	ppb	0.7129	0.0	707149
Mo 202.032	96.5273b	ppb	0.1140	0.1	671.349
Na 330.237	172860xb	ppb	855.093	0.5	9524.30
Ni 231.604	107.070b	ppb	0.9528	0.9	343.719
Pb 220.353	487.552b	ppb	2.4205	0.5	795.855
Sb 206.834	51.8156b	ppb	1.3891	2.7	69.7214
Se 196.026	100.949b	ppb	2.9631	2.9	56.4603
Sn 189.925	191.115b	ppb	1.5197	0.8	139.305
Sr 216.596	301.644b	ppb	0.5285	0.2	3721.38
Ti 334.941	92.8357b	ppb	0.0745	0.1	30494.9
Tl 190.794	35.5493b	ppb	1.2373	3.5	32.2532
V 292.401	100.864b	ppb	0.3894	0.4	3008.21
Zn 206.200	128.016b	ppb	1.7779	1.4	135.828

680-109540-b-1-c msd (Samp) **2/5/2015, 7:49:43 AM** **Rack 4, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	49.2001	49.2208	48.9455
Al 308.215	5442.78	5450.33	5438.87
As 188.980	106.278	104.189	100.050
B 249.678	333.104	333.175	332.502
Ba 389.178	106.279	106.327	106.024
Be 313.042	50.2618	50.1384	50.2359
Ca 370.602	127191	126538	126802
Cd 226.502	47.9045	47.8222	47.8690
Co 228.615	51.3271	52.1339	51.3235
Cr 267.716	98.4153	97.9124	98.3403
Cu 324.754	102.515	104.371	102.696
Fe 271.441	5384.65	5362.59	5372.87
K 766.491	11799.2	11858.4	11755.9
Mg 279.078	50184.2	50097.2	50108.8
Mn 257.610	2895.69	2880.13	2888.35
Mo 202.032	94.2343	93.5598	93.9798
Na 330.237	169253x	168916x	168863x

Label	Replicates Concentration		
Ni 231.604	104.779	106.232	103.774
Pb 220.353	484.442	477.538	480.183
Sb 206.834	48.3745	48.7923	53.4390
Se 196.026	107.026	99.0315	106.936
Sn 189.925	192.343	184.557	188.201
Sr 216.596	293.735	292.205	293.586
Ti 334.941	92.1337	91.6497	92.1560
Tl 190.794	36.8578	35.1702	36.2107
V 292.401	99.6349	99.5133	99.7403
Zn 206.200	127.958	125.924	124.957

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.1221b	ppb	0.1533	0.3	4574.57
Al 308.215	5443.99b	ppb	5.8292	0.1	42661.8
As 188.980	103.506b	ppb	3.1700	3.1	67.7764
B 249.678	332.927b	ppb	0.3698	0.1	6346.27
Ba 389.178	106.210b	ppb	0.1631	0.2	2637.25
Be 313.042	50.2120b	ppb	0.0651	0.1	99000.5
Ca 370.602	126844b	ppb	328.3	0.3	399485
Cd 226.502	47.8652b	ppb	0.0413	0.1	2248.71
Co 228.615	51.5948b	ppb	0.4669	0.9	605.081
Cr 267.716	98.2227b	ppb	0.2713	0.3	5701.58
Cu 324.754	103.194b	ppb	1.0231	1.0	8096.23
Fe 271.441	5373.37b	ppb	11.0369	0.2	9084.91
K 766.491	11804.5b	ppb	51.4616	0.4	569589
Mg 279.078	50130.1b	ppb	47.2343	0.1	145683
Mn 257.610	2888.06b	ppb	7.7867	0.3	694295
Mo 202.032	93.9246b	ppb	0.3407	0.4	653.395
Na 330.237	169011xb	ppb	211.750	0.1	9312.78
Ni 231.604	104.928b	ppb	1.2359	1.2	336.745
Pb 220.353	480.721b	ppb	3.4834	0.7	784.882
Sb 206.834	50.2019b	ppb	2.8111	5.6	67.4440
Se 196.026	104.331b	ppb	4.5899	4.4	58.0762
Sn 189.925	188.367b	ppb	3.8956	2.1	137.214
Sr 216.596	293.175b	ppb	0.8437	0.3	3617.36
Ti 334.941	91.9798b	ppb	0.2861	0.3	30212.6
Tl 190.794	36.0796b	ppb	0.8514	2.4	32.8450
V 292.401	99.6295b	ppb	0.1136	0.1	2971.65
Zn 206.200	126.280b	ppb	1.5321	1.2	133.992

680-109552-e-2-a (Samp) **2/5/2015, 7:54:20 AM** **Rack 4, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3464u	-0.3049u	-0.2562u
Al 308.215	547.674	545.712	546.605
As 188.980	1.3762	5.9215	-3.5011u
B 249.678	21.4257	21.0017	20.5162
Ba 389.178	5.9326	6.4178	5.9263
Be 313.042	0.0218u	0.0260u	0.0299u
Ca 370.602	25658	25653	25686
Cd 226.502	0.0363u	-0.0627u	0.0570u
Co 228.615	0.1614	-0.3061u	0.4025
Cr 267.716	3.3653	3.3139	3.3558

Label	Replicates Concentration		
Cu 324.754	14.4933	14.3967	14.2884
Fe 271.441	148.370	144.195	146.980
K 766.491	5366.38	5364.09	5367.85
Mg 279.078	50034.7	50027.2	50066.8
Mn 257.610	23.3919	23.3976	23.4586
Mo 202.032	5.4096	5.2107	5.3309
Na 330.237	734097x	738919x	736003x
Ni 231.604	6.8832	6.1565	5.4991
Pb 220.353	-0.6923u	2.3110	-2.1981u
Sb 206.834	-0.1300u	2.2868	2.3010
Se 196.026	7.9852	4.5960	-2.4500u
Sn 189.925	1.4998	5.9400	0.7649
Sr 216.596	49.3159	48.4723	48.3959
Ti 334.941	0.9451	0.8850	0.8925
Tl 190.794	1.1817	0.8074	-3.8525u
V 292.401	75.0829	74.6868	74.6916
Zn 206.200	133.675	134.382	130.773

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3025b	ppb	0.0452	14.9	-40.5919
Al 308.215	546.663b	ppb	0.9825	0.2	4585.55
As 188.980	1.2655b	ppb	4.7122	372.4	-3.3601
B 249.678	20.9812b	ppb	0.4551	2.2	440.134
Ba 389.178	6.0922b	ppb	0.2820	4.6	215.558
Be 313.042	0.0259b	ppb	0.0040	15.6	-362.197
Ca 370.602	25666b	ppb	17.94	0.1	80831
Cd 226.502	0.0102b	ppb	0.0640	629.6	21.3835
Co 228.615	0.0859b	ppb	0.3603	419.2	0.0179
Cr 267.716	3.3450b	ppb	0.0274	0.8	237.792
Cu 324.754	14.3928b	ppb	0.1025	0.7	1289.94
Fe 271.441	146.515b	ppb	2.1263	1.5	253.874
K 766.491	5366.11b	ppb	1.8972	0.0	259104
Mg 279.078	50042.9b	ppb	21.0019	0.0	145494
Mn 257.610	23.4160b	ppb	0.0370	0.2	6116.75
Mo 202.032	5.3171b	ppb	0.1002	1.9	42.2431
Na 330.237	736339xb	ppb	2428.19	0.3	40497.0
Ni 231.604	6.1796b	ppb	0.6924	11.2	15.0116
Pb 220.353	-0.1931b	ppb	2.2956	1188.8	12.3961
Sb 206.834	1.4859b	ppb	1.3994	94.2	-1.8624
Se 196.026	3.3771b	ppb	5.3233	157.6	8.6995
Sn 189.925	2.7349b	ppb	2.7999	102.4	-3.7671
Sr 216.596	48.7280b	ppb	0.5106	1.0	604.402
Ti 334.941	0.9075b	ppb	0.0328	3.6	293.313
Tl 190.794	-0.6211b	ppb	2.8047	451.5	-9.4612
V 292.401	74.8204b	ppb	0.2273	0.3	2242.67
Zn 206.200	132.943b	ppb	1.9128	1.4	141.433

680-109552-e-2-b ms (Samp) **2/5/2015, 7:58:58 AM** **Rack 4, Tube 32**

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

Label	Replicates Concentration		
Ag 328.068	47.9254	47.8008	47.7625
Al 308.215	5502.24	5509.02	5516.72
As 188.980	101.856	99.7650	101.684

Label	Replicates Concentration		
B 249.678	207.179	206.727	207.431
Ba 389.178	94.6311	95.7472	95.4625
Be 313.042	49.7508	49.4308	49.3821
Ca 370.602	28788	28930	28990
Cd 226.502	46.3955	46.4602	46.2000
Co 228.615	46.3555	46.7390	46.8203
Cr 267.716	98.2905	98.3835	98.5051
Cu 324.754	113.621	111.978	111.479
Fe 271.441	4650.12	4665.70	4658.67
K 766.491	12897.9	12822.6	12863.9
Mg 279.078	52127.6	52281.8	52266.6
Mn 257.610	508.665	509.885	510.097
Mo 202.032	97.2427	96.8489	96.3732
Na 330.237	703753x	704142x	699701x
Ni 231.604	97.4066	97.0579	97.4547
Pb 220.353	456.147	460.846	458.765
Sb 206.834	45.6343	47.5172	44.7396
Se 196.026	99.3349	93.9742	106.900
Sn 189.925	183.240	189.556	181.567
Sr 216.596	137.204	137.177	137.936
Ti 334.941	88.7519	88.7656	88.6576
Tl 190.794	30.9970	34.5797	38.5114
V 292.401	167.896	168.602	167.030
Zn 206.200	221.023	226.323	225.893

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.8296b	ppb	0.0852	0.2	4447.03
Al 308.215	5509.33b	ppb	7.2461	0.1	43180.2
As 188.980	101.102b	ppb	1.1610	1.1	66.1065
B 249.678	207.112b	ppb	0.3565	0.2	3960.74
Ba 389.178	95.2802b	ppb	0.5799	0.6	2377.85
Be 313.042	49.5212b	ppb	0.2003	0.4	97536.3
Ca 370.602	28903b	ppb	103.4	0.4	91030
Cd 226.502	46.3519b	ppb	0.1355	0.3	2172.16
Co 228.615	46.6383b	ppb	0.2483	0.5	546.646
Cr 267.716	98.3930b	ppb	0.1076	0.1	5709.10
Cu 324.754	112.359b	ppb	1.1207	1.0	8796.86
Fe 271.441	4658.16b	ppb	7.7993	0.2	7877.31
K 766.491	12861.5b	ppb	37.7263	0.3	620560
Mg 279.078	52225.3b	ppb	84.9617	0.2	151826
Mn 257.610	509.549b	ppb	0.7730	0.2	122932
Mo 202.032	96.8216b	ppb	0.4354	0.4	673.344
Na 330.237	702532xb	ppb	2459.43	0.4	38635.4
Ni 231.604	97.3064b	ppb	0.2165	0.2	311.888
Pb 220.353	458.586b	ppb	2.3547	0.5	748.819
Sb 206.834	45.9637b	ppb	1.4178	3.1	61.3435
Se 196.026	100.070b	ppb	6.4943	6.5	55.4478
Sn 189.925	184.787b	ppb	4.2136	2.3	134.661
Sr 216.596	137.439b	ppb	0.4308	0.3	1685.52
Ti 334.941	88.7251b	ppb	0.0588	0.1	29102.0
Tl 190.794	34.6960b	ppb	3.7585	10.8	30.2244
V 292.401	167.843b	ppb	0.7876	0.5	5029.68
Zn 206.200	224.413b	ppb	2.9437	1.3	238.149

680-109552-e-2-c msd (Samp) **2/5/2015, 8:03:35 AM** **Rack 4, Tube 33**

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

Label	Replicates Concentration		
Ag 328.068	48.4771	48.6641	48.4931
Al 308.215	5576.50	5582.95	5577.58
As 188.980	103.448	103.877	102.514
B 249.678	208.916	209.876	210.316
Ba 389.178	97.0076	96.7076	96.3412
Be 313.042	49.9338	50.0385	49.9467
Ca 370.602	29202	29213	29036
Cd 226.502	46.7228	46.9284	46.6048
Co 228.615	47.0144	47.5749	47.3699
Cr 267.716	99.8769	99.3432	98.7739
Cu 324.754	121.313	120.528	120.099
Fe 271.441	4660.18	4691.57	4669.18
K 766.491	13184.1	13147.8	13159.6
Mg 279.078	52766.6	52868.4	52763.9
Mn 257.610	515.094	514.754	514.789
Mo 202.032	97.8085	97.7125	97.4036
Na 330.237	713371x	714368x	717133x
Ni 231.604	97.8117	98.4623	99.2433
Pb 220.353	463.754	459.245	462.954
Sb 206.834	47.0907	47.5778	47.3568
Se 196.026	110.277	105.009	107.906
Sn 189.925	189.998	183.783	189.927
Sr 216.596	138.186	139.291	139.630
Ti 334.941	90.0077	89.9796	90.0941
Tl 190.794	33.4903	35.2609	33.0805
V 292.401	169.743	169.674	169.262
Zn 206.200	230.649	228.702	225.098

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.5448b	ppb	0.1037	0.2	4513.68
Al 308.215	5579.01b	ppb	3.4562	0.1	43722.1
As 188.980	103.280b	ppb	0.6967	0.7	67.6227
B 249.678	209.703b	ppb	0.7158	0.3	4009.86
Ba 389.178	96.6854b	ppb	0.3338	0.3	2413.10
Be 313.042	49.9730b	ppb	0.0571	0.1	98428.6
Ca 370.602	29150b	ppb	98.98	0.3	91810
Cd 226.502	46.7520b	ppb	0.1638	0.4	2190.56
Co 228.615	47.3197b	ppb	0.2836	0.6	554.659
Cr 267.716	99.3313b	ppb	0.5516	0.6	5763.33
Cu 324.754	120.647b	ppb	0.6157	0.5	9431.56
Fe 271.441	4673.65b	ppb	16.1649	0.3	7903.57
K 766.491	13163.8b	ppb	18.5496	0.1	635141
Mg 279.078	52799.6b	ppb	59.5509	0.1	153495
Mn 257.610	514.879b	ppb	0.1867	0.0	124217
Mo 202.032	97.6416b	ppb	0.2116	0.2	678.999
Na 330.237	714958xb	ppb	1949.01	0.3	39318.3
Ni 231.604	98.5058b	ppb	0.7168	0.7	315.791
Pb 220.353	461.984b	ppb	2.4056	0.5	754.272
Sb 206.834	47.3418b	ppb	0.2439	0.5	63.3064
Se 196.026	107.731b	ppb	2.6385	2.4	59.1405
Sn 189.925	187.903b	ppb	3.5682	1.9	137.033
Sr 216.596	139.036b	ppb	0.7552	0.5	1705.02

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	90.0271b	ppb	0.0597	0.1	29529.2
Tl 190.794	33.9439b	ppb	1.1588	3.4	29.3700
V 292.401	169.560b	ppb	0.2597	0.2	5081.28
Zn 206.200	228.150b	ppb	2.8164	1.2	242.112

680-109479-d-1-a (Samp) **2/5/2015, 8:08:12 AM** **Rack 4, Tube 34**

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

Label	Replicates Concentration		
Ag 328.068	0.2471	0.3273	-0.1036u
Al 308.215	3.6139	3.7968	5.6218
As 188.980	-1.5115u	0.4034	-0.7148u
B 249.678	18.5041	18.5684	18.3401
Ba 389.178	12.5385	13.3597	12.5937
Be 313.042	-0.0070u	-0.0025	-0.0075u
Ca 370.602	22168	22168	22154
Cd 226.502	-0.2118u	-0.0412u	-0.0430u
Co 228.615	-0.0163u	-0.1456u	-0.0466u
Cr 267.716	0.4094	0.5988	0.3535
Cu 324.754	-0.1168u	-0.1318u	0.2487
Fe 271.441	26.9421	21.1607	24.1506
K 766.491	1820.48	1819.93	1822.25
Mg 279.078	8341.44	8350.85	8346.99
Mn 257.610	0.3910	0.4447	0.4228
Mo 202.032	1.8834	2.4206	1.9534
Na 330.237	10159.7	10160.9	10061.1
Ni 231.604	0.8494	-0.0654u	-0.4890u
Pb 220.353	0.5320	-1.5803u	1.5871
Sb 206.834	3.6046	-1.1926u	0.4007
Se 196.026	-2.3089u	2.6591	5.1941
Sn 189.925	4.7331	-1.5555u	-1.1866u
Sr 216.596	316.047	315.783	316.666
Ti 334.941	0.1878	0.1451	0.1740
Tl 190.794	0.5890	0.8609	0.3685
V 292.401	-0.0808u	0.0179	-0.0560u
Zn 206.200	3.9921	3.6867	3.6185

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1569	ppb	0.2292	146.0	-7.2048
Al 308.215	4.3442	ppb	1.1102	25.6	358.186
As 188.980	-0.6076	ppb	0.9619	158.3	-4.6628
B 249.678	18.4709	ppb	0.1177	0.6	392.803
Ba 389.178	12.8306	ppb	0.4590	3.6	283.147
Be 313.042	-0.0057	ppb	0.0028	49.1	-342.206
Ca 370.602	22163	ppb	8.045	0.0	69803
Cd 226.502	-0.0987	ppb	0.0980	99.3	19.9749
Co 228.615	-0.0695	ppb	0.0676	97.3	-1.7542
Cr 267.716	0.4539	ppb	0.1286	28.3	57.0198
Cu 324.754	0.0000	ppb	0.2155	754004.2	188.678
Fe 271.441	24.0845	ppb	2.8912	12.0	46.5966
K 766.491	1820.89	ppb	1.2120	0.1	88139.0
Mg 279.078	8346.42	ppb	4.7324	0.1	24281.9
Mn 257.610	0.4195	ppb	0.0270	6.4	237.160
Mo 202.032	2.0858	ppb	0.2920	14.0	20.0348

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	10127.2	ppb	57.3054	0.6	584.274
Ni 231.604	0.0983	ppb	0.6841	695.6	-4.7917
Pb 220.353	0.1796	ppb	1.6128	898.0	12.9906
Sb 206.834	0.9376	ppb	2.4433	260.6	-2.6378
Se 196.026	1.8481	ppb	3.8167	206.5	7.9558
Sn 189.925	0.6636	ppb	3.5291	531.8	-5.5721
Sr 216.596	316.165	ppb	0.4533	0.1	3851.31
Ti 334.941	0.1690	ppb	0.0218	12.9	31.6549
Tl 190.794	0.6061	ppb	0.2466	40.7	-8.1739
V 292.401	-0.0397	ppb	0.0513	129.4	-14.8144
Zn 206.200	3.7658	ppb	0.1989	5.3	4.3678

680-109479-d-2-a (Samp) **2/5/2015, 8:12:50 AM** **Rack 4, Tube 35**

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

Label	Replicates Concentration		
Ag 328.068	-0.0700u	-0.1562u	0.0564u
Al 308.215	2.0090	2.8321	1.8898
As 188.980	-6.7731u	-2.1449u	-1.9184u
B 249.678	24.6771	25.2946	24.8753
Ba 389.178	9.7600	9.3701	9.0643
Be 313.042	0.0036	0.0036	0.0008
Ca 370.602	18410	18476	18473
Cd 226.502	-0.1962u	0.0494	-0.0982u
Co 228.615	-0.1148u	-0.1598u	-0.0926u
Cr 267.716	0.1986	0.3274	0.1751
Cu 324.754	-0.1441u	0.1586	-0.2297u
Fe 271.441	106.823	103.079	106.625
K 766.491	2991.41	2998.38	2993.97
Mg 279.078	9072.64	9082.96	9076.36
Mn 257.610	0.2104	0.1976	0.2084
Mo 202.032	0.2141	0.1403	0.7238
Na 330.237	15462.5	15535.4	15548.5
Ni 231.604	1.4951	0.8964	0.2913
Pb 220.353	-0.1602u	-2.5230u	-0.0416u
Sb 206.834	1.3925	0.8480	2.9275
Se 196.026	2.6295	-3.3034u	6.0295
Sn 189.925	-4.7141u	2.9250	0.0155
Sr 216.596	302.869	302.985	303.920
Ti 334.941	0.0505	0.0323	0.0614
Tl 190.794	1.1770	-0.8199u	0.5670
V 292.401	-0.0536u	-0.3223u	-0.0802u
Zn 206.200	5.8766	4.0648	4.1537

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0566	ppb	0.1069	188.9	-26.6476
Al 308.215	2.2436	ppb	0.5131	22.9	341.809
As 188.980	-3.6121	ppb	2.7398	75.9	-6.7551
B 249.678	24.9490	ppb	0.3153	1.3	515.526
Ba 389.178	9.3981	ppb	0.3487	3.7	202.018
Be 313.042	0.0027	ppb	0.0016	62.0	-327.634
Ca 370.602	18453	ppb	37.41	0.2	58119
Cd 226.502	-0.0817	ppb	0.1236	151.4	21.1257
Co 228.615	-0.1224	ppb	0.0343	28.0	-2.3222

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.2337	ppb	0.0820	35.1	44.5031
Cu 324.754	-0.0717	ppb	0.2040	284.5	183.147
Fe 271.441	105.509	ppb	2.1069	2.0	184.055
K 766.491	2994.59	ppb	3.5276	0.1	144739
Mg 279.078	9077.32	ppb	5.2238	0.1	26406.6
Mn 257.610	0.2055	ppb	0.0069	3.3	192.238
Mo 202.032	0.3594	ppb	0.3177	88.4	8.1181
Na 330.237	15515.5	ppb	46.3138	0.3	880.376
Ni 231.604	0.8942	ppb	0.6019	67.3	-2.1940
Pb 220.353	-0.9083	ppb	1.3996	154.1	11.2530
Sb 206.834	1.7227	ppb	1.0783	62.6	-1.4896
Se 196.026	1.7852	ppb	4.7234	264.6	7.9262
Sn 189.925	-0.5912	ppb	3.8555	652.1	-6.5246
Sr 216.596	303.258	ppb	0.5761	0.2	3693.16
Ti 334.941	0.0481	ppb	0.0147	30.6	-6.9958
Tl 190.794	0.3080	ppb	1.0234	332.2	-8.5204
V 292.401	-0.1520	ppb	0.1480	97.4	-17.8807
Zn 206.200	4.6984	ppb	1.0213	21.7	5.3550

680-109479-d-3-a (Samp) **2/5/2015, 8:17:27 AM** **Rack 4, Tube 36**

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

Label	Replicates Concentration		
Ag 328.068	0.2470	0.0054u	0.0650u
Al 308.215	3.5140	3.3647	4.1002
As 188.980	-1.9303u	-3.0707u	-1.6989u
B 249.678	17.9287	17.9084	17.9173
Ba 389.178	9.2137	10.2744	8.6924
Be 313.042	-0.0049u	-0.0052u	-0.0012
Ca 370.602	19895	19893	19957
Cd 226.502	-0.1685u	-0.0038u	-0.1701u
Co 228.615	-0.5943u	-0.1642u	-0.1323u
Cr 267.716	0.3000	0.1409	0.3384
Cu 324.754	-0.0569u	0.0407	0.4645
Fe 271.441	17.6021	17.0093	20.2596
K 766.491	1908.24	1910.90	1909.77
Mg 279.078	7563.20	7579.11	7587.20
Mn 257.610	-0.0432	-0.0125	0.0194
Mo 202.032	1.0065	1.3258	1.0788
Na 330.237	10945.2	11197.7	11198.8
Ni 231.604	0.2856	1.6781	1.3248
Pb 220.353	-0.8261u	-0.9578u	-0.0065u
Sb 206.834	-0.5401u	-2.1486u	-0.2894u
Se 196.026	-3.2561u	2.1479	6.2997
Sn 189.925	3.0834	4.5510	-0.7218u
Sr 216.596	291.601	292.554	291.906
Ti 334.941	0.1377	0.1715	0.1383
Tl 190.794	0.1484	-1.4667u	-0.3047u
V 292.401	-0.0395u	-0.1491u	-0.0203u
Zn 206.200	4.5380	2.8040	2.9182

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1058	ppb	0.1259	119.0	-11.0681
Al 308.215	3.6596	ppb	0.3887	10.6	352.840

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-2.2333	ppb	0.7344	32.9	-5.7945
B 249.678	17.9181	ppb	0.0102	0.1	382.311
Ba 389.178	9.3935	ppb	0.8062	8.6	198.430
Be 313.042	-0.0037	ppb	0.0022	59.3	-339.141
Ca 370.602	19915	ppb	36.20	0.2	62724
Cd 226.502	-0.1142	ppb	0.0955	83.7	19.2035
Co 228.615	-0.2969	ppb	0.2580	86.9	-4.4012
Cr 267.716	0.2598	ppb	0.1047	40.3	45.8651
Cu 324.754	0.1494	ppb	0.2772	185.5	200.075
Fe 271.441	18.2903	ppb	1.7310	9.5	36.7836
K 766.491	1909.64	ppb	1.3355	0.1	92418.9
Mg 279.078	7576.50	ppb	12.2099	0.2	22043.7
Mn 257.610	-0.0121	ppb	0.0313	258.5	126.819
Mo 202.032	1.1370	ppb	0.1674	14.7	13.4883
Na 330.237	11113.9	ppb	146.105	1.3	638.496
Ni 231.604	1.0962	ppb	0.7239	66.0	-1.5442
Pb 220.353	-0.5968	ppb	0.5154	86.4	11.7456
Sb 206.834	-0.9927	ppb	1.0089	101.6	-5.3737
Se 196.026	1.7305	ppb	4.7916	276.9	7.8990
Sn 189.925	2.3042	ppb	2.7214	118.1	-4.3242
Sr 216.596	292.020	ppb	0.4868	0.2	3557.15
Ti 334.941	0.1492	ppb	0.0193	13.0	23.5198
Tl 190.794	-0.5410	ppb	0.8331	154.0	-9.4759
V 292.401	-0.0697	ppb	0.0695	99.7	-15.5044
Zn 206.200	3.4201	ppb	0.9699	28.4	4.0016

Cont Calib Verif (CCV) **2/5/2015, 8:22:05 AM** **Rack 4, Tube 37**

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

Label	Replicates Concentration		
Ag 328.068	452.697	455.094	451.486
Al 308.215	4541.35	4555.07	4556.83
As 188.980	460.704	460.952	455.695
B 249.678	460.494	463.194	465.805
Ba 389.178	4504.12	4523.06	4525.08
Be 313.042	476.817	478.943	478.447
Ca 370.602	4534	4553	4535
Cd 226.502	462.812	464.758	463.449
Co 228.615	474.109	476.932	475.995
Cr 267.716	4726.38	4751.02	4742.27
Cu 324.754	4742.21	4736.49	4840.25
Fe 271.441	4547.83	4568.02	4562.41
K 766.491	9684.67	9709.66	9752.23
Mg 279.078	4715.67	4734.48	4734.36
Mn 257.610	4808.36	4841.99	4815.92
Mo 202.032	456.522	456.858	458.781
Na 330.237	7314.00	7568.12	7502.60
Ni 231.604	2381.69	2389.45	2379.24
Pb 220.353	472.604	473.592	470.725
Sb 206.834	889.665	898.338	893.257
Se 196.026	4606.22	4621.53	4658.94
Sn 189.925	4629.51	4659.96	4634.06
Sr 216.596	2307.04	2317.78	2315.24
Ti 334.941	432.723	435.082	435.272

Label	Replicates Concentration		
Tl 190.794	4694.53	4704.48	4693.96
V 292.401	4680.69	4713.05	4709.47
Zn 206.200	2352.85	2370.34	2354.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	453.092	ppb	1.8359	0.4	42198.2	90.61846
Al 308.215	4551.08	ppb	8.4751	0.2	36434.4	91.02169
As 188.980	459.117	ppb	2.9664	0.6	315.318	91.82336
B 249.678	463.165	ppb	2.6559	0.6	8833.88	92.63291
Ba 389.178	4517.42	ppb	11.5630	0.3	109022	90.34838
Be 313.042	478.069	ppb	1.1124	0.2	945496	95.61378
Ca 370.602	4541	ppb	10.92	0.2	14654	90.81434
Cd 226.502	463.673	ppb	0.9925	0.2	21340.2	92.73460
Co 228.615	475.678	ppb	1.4378	0.3	5591.95	95.13567
Cr 267.716	4739.89	ppb	12.4920	0.3	272707	94.79783
Cu 324.754	4772.98	ppb	58.3266	1.2	365660	95.45966
Fe 271.441	4559.42	ppb	10.4195	0.2	7804.93	91.18838
K 766.491	9715.52	ppb	34.1594	0.4	468849	97.15516
Mg 279.078	4728.17	ppb	10.8239	0.2	13656.0	94.56341
Mn 257.610	4822.09	ppb	17.6443	0.4	1158502	96.44179
Mo 202.032	457.387	ppb	1.2188	0.3	3156.40	91.47745
Na 330.237	7461.57	ppb	131.932	1.8	379.377	99.48766
Ni 231.604	2383.46	ppb	5.3276	0.2	7751.39	95.33842
Pb 220.353	472.307	ppb	1.4563	0.3	774.767	94.46140
Sb 206.834	893.753	ppb	4.3577	0.5	1325.32	89.37532Q
Se 196.026	4628.89	ppb	27.1203	0.6	2238.57	92.57789
Sn 189.925	4641.18	ppb	16.4221	0.4	3523.22	92.82359
Sr 216.596	2313.36	ppb	5.6137	0.2	28036.3	92.53424
Ti 334.941	434.359	ppb	1.4200	0.3	142421	86.87174Q
Tl 190.794	4697.66	ppb	5.9168	0.1	5348.74	93.95319
V 292.401	4701.07	ppb	17.7400	0.4	141824	94.02142
Zn 206.200	2359.25	ppb	9.6425	0.4	2494.27	94.36983

Cont Calib Blank (CCB) **2/5/2015, 8:26:43 AM** **Rack 4, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0533	0.0785	0.0433
Al 308.215	0.5791	-0.3005u	-0.8851u
As 188.980	-0.7057u	-3.9139u	0.6110
B 249.678	3.1013	2.9679	1.9969
Ba 389.178	-0.7275u	0.7188	0.2571
Be 313.042	0.0097	0.0201	0.0214
Ca 370.602	-1.340u	0.7778	0.7919
Cd 226.502	0.0847	-0.0559u	-0.0396u
Co 228.615	0.1702	0.0029	0.3119
Cr 267.716	-0.1469u	-0.0064u	-0.0539u
Cu 324.754	0.0065	0.1579	0.0575
Fe 271.441	3.5893	1.5107	4.3743
K 766.491	5.6801	4.9990	4.9947
Mg 279.078	2.7619	-2.1899u	3.6804
Mn 257.610	0.1899	0.2170	0.2323
Mo 202.032	0.1176	0.3679	-0.0799u
Na 330.237	64.1272	119.219	54.2195

Label	Replicates Concentration		
Ni 231.604	-0.0790u	-0.6457u	-0.0755u
Pb 220.353	1.9937	0.7120	-1.2783u
Sb 206.834	7.2388	5.7702	3.6427
Se 196.026	-3.3644u	-4.5465u	2.8405
Sn 189.925	1.2337	-0.9387u	-1.6641u
Sr 216.596	-0.3215u	0.5738	0.3781
Ti 334.941	0.1723	0.1138	0.0767
Tl 190.794	2.7361	1.2383	5.0637
V 292.401	0.2029	0.4664	0.6148
Zn 206.200	-1.1588u	-0.4471u	0.6672

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0584	ppb	0.0182	31.1	-4.3717	0.05837
Al 308.215	-0.2021	ppb	0.7371	364.6	322.856	-0.20215
As 188.980	-1.3362	ppb	2.3274	174.2	-5.1694	-1.33621
B 249.678	2.6887	ppb	0.6028	22.4	93.4132	2.68868
Ba 389.178	0.0828	ppb	0.7387	891.7	-43.5585	0.08284
Be 313.042	0.0170	ppb	0.0064	37.7	-304.091	0.01703
Ca 370.602	0.0766	ppb	1.227	1602.0	15.81	0.07658
Cd 226.502	-0.0036	ppb	0.0769	2134.1	24.1654	-0.00360
Co 228.615	0.1617	ppb	0.1547	95.7	1.0114	0.16170
Cr 267.716	-0.0691	ppb	0.0715	103.4	26.7006	-0.06908
Cu 324.754	0.0740	ppb	0.0770	104.1	194.241	0.07397
Fe 271.441	3.1581	ppb	1.4797	46.9	11.2939	3.15810
K 766.491	5.2246	ppb	0.3945	7.6	580.520	5.22459
Mg 279.078	1.4175	ppb	3.1576	222.8	22.6566	1.41745
Mn 257.610	0.2130	ppb	0.0215	10.1	115.373	0.21305
Mo 202.032	0.1352	ppb	0.2244	166.0	6.5754	0.13521
Na 330.237	79.1887	ppb	35.0197	44.2	32.0766	79.18865
Ni 231.604	-0.2667	ppb	0.3282	123.0	-5.9825	-0.26675
Pb 220.353	0.4758	ppb	1.6487	346.5	13.4670	0.47583
Sb 206.834	5.5506	ppb	1.8081	32.6	3.9638	5.55056
Se 196.026	-1.6901	ppb	3.9679	234.8	6.2507	-1.69015
Sn 189.925	-0.4564	ppb	1.5079	330.4	-6.4270	-0.45637
Sr 216.596	0.2101	ppb	0.4707	224.0	4.8135	0.21012
Ti 334.941	0.1209	ppb	0.0482	39.8	-0.0296	0.12094
Tl 190.794	3.0127	ppb	1.9277	64.0	-5.4223	3.01269
V 292.401	0.4280	ppb	0.2086	48.7	-0.2187	0.42803
Zn 206.200	-0.3129	ppb	0.9204	294.1	0.0416	-0.31290

680-109479-d-4-a (Samp) **2/5/2015, 8:31:21 AM** **Rack 4, Tube 39**

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

Label	Replicates Concentration		
Ag 328.068	-0.1676u	-0.0424u	-0.1295u
Al 308.215	1.0706	2.3935	2.3754
As 188.980	-3.0147u	-0.7907u	0.6288
B 249.678	25.2655	24.8072	25.3761
Ba 389.178	9.4224	8.8515	9.8049
Be 313.042	-0.0011	-0.0008	-0.0001
Ca 370.602	18155	18219	18264
Cd 226.502	-0.0306u	-0.0840u	-0.0326u
Co 228.615	-0.5955u	0.0534	-0.6316u
Cr 267.716	0.3050	0.2331	0.1559

Label	Replicates Concentration		
Cu 324.754	-0.0696u	0.0194	-0.1746u
Fe 271.441	119.201	116.193	116.518
K 766.491	2998.52	2987.45	2993.36
Mg 279.078	9036.53	9032.04	9030.11
Mn 257.610	-0.0530	-0.0611	-0.0874
Mo 202.032	0.7331	0.5358	0.4187
Na 330.237	15664.8	15523.2	15332.2
Ni 231.604	0.5228	0.3663	0.8423
Pb 220.353	0.2940	0.2678	-0.2250u
Sb 206.834	2.6698	4.2551	0.5518
Se 196.026	-2.7503u	2.2732	-5.5037u
Sn 189.925	1.1934	0.1234	4.4994
Sr 216.596	303.627	301.972	303.392
Ti 334.941	0.1069	0.0859	0.1436
Tl 190.794	1.7001	2.3696	-0.9242u
V 292.401	0.0495	-0.2793u	0.0807
Zn 206.200	4.6527	5.5936	3.5189

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1131	ppb	0.0642	56.7	-31.9415
Al 308.215	1.9465	ppb	0.7586	39.0	339.511
As 188.980	-1.0589	ppb	1.8365	173.4	-4.9772
B 249.678	25.1496	ppb	0.3016	1.2	519.305
Ba 389.178	9.3596	ppb	0.4798	5.1	201.018
Be 313.042	-0.0007	ppb	0.0005	78.9	-334.261
Ca 370.602	18213	ppb	54.63	0.3	57362
Cd 226.502	-0.0491	ppb	0.0303	61.7	22.6916
Co 228.615	-0.3912	ppb	0.3855	98.5	-5.4864
Cr 267.716	0.2313	ppb	0.0746	32.2	44.3703
Cu 324.754	-0.0749	ppb	0.0971	129.6	182.916
Fe 271.441	117.304	ppb	1.6508	1.4	203.953
K 766.491	2993.11	ppb	5.5418	0.2	144668
Mg 279.078	9032.89	ppb	3.2943	0.0	26277.5
Mn 257.610	-0.0672	ppb	0.0180	26.8	126.470
Mo 202.032	0.5625	ppb	0.1589	28.2	9.5190
Na 330.237	15506.8	ppb	166.913	1.1	879.898
Ni 231.604	0.5771	ppb	0.2426	42.0	-3.2246
Pb 220.353	0.1123	ppb	0.2924	260.4	12.8912
Sb 206.834	2.4922	ppb	1.8580	74.6	-0.3958
Se 196.026	-1.9936	ppb	3.9433	197.8	6.1056
Sn 189.925	1.9388	ppb	2.2812	117.7	-4.6007
Sr 216.596	302.997	ppb	0.8958	0.3	3689.98
Ti 334.941	0.1121	ppb	0.0292	26.0	13.9487
Tl 190.794	1.0485	ppb	1.7409	166.0	-7.6809
V 292.401	-0.0497	ppb	0.1994	401.3	-14.8426
Zn 206.200	4.5884	ppb	1.0389	22.6	5.2379

680-109538-a-1-a (Samp) **2/5/2015, 8:35:59 AM** **Rack 4, Tube 40**

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

Label	Replicates Concentration		
Ag 328.068	0.0753	0.1200	0.0684
Al 308.215	735.532	734.188	736.405
As 188.980	-1.6174u	0.3233	-1.3493u

Label	Replicates Concentration		
B 249.678	28.1076	27.9630	28.1336
Ba 389.178	37.6460	36.6953	37.3630
Be 313.042	0.0140	0.0056	0.0051
Ca 370.602	8107	8097	8077
Cd 226.502	0.1336	0.0724	0.1221
Co 228.615	-0.2419u	-0.1818u	0.4407
Cr 267.716	0.4663	0.4596	0.3546
Cu 324.754	1.2138	1.7529	1.3558
Fe 271.441	1327.98	1333.34	1333.73
K 766.491	2462.60	2473.00	2464.69
Mg 279.078	2454.65	2453.03	2447.43
Mn 257.610	1249.21	1251.49	1252.91
Mo 202.032	-0.2247u	0.3616	0.4348
Na 330.237	7994.83	8068.19	8183.99
Ni 231.604	-0.1853u	0.1009	-0.0262
Pb 220.353	-0.5809u	-0.4953u	1.3818
Sb 206.834	3.7400	-0.1743u	0.2765
Se 196.026	-7.1878u	1.8445	-6.2986u
Sn 189.925	1.8047	-0.6738u	0.0464
Sr 216.596	66.7312	65.9391	66.3243
Ti 334.941	4.1687	3.9431	3.8975
Tl 190.794	1.8991	3.3808	3.0174
V 292.401	0.4217	0.6612	0.5782
Zn 206.200	2.6563	3.1058	0.9519

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0879	ppb	0.0280	31.8	2.6257
Al 308.215	735.375	ppb	1.1167	0.2	6041.10
As 188.980	-0.8812	ppb	1.0516	119.3	-4.8617
B 249.678	28.0681	ppb	0.0919	0.3	571.425
Ba 389.178	37.2348	ppb	0.4882	1.3	859.880
Be 313.042	0.0082	ppb	0.0050	60.1	-319.750
Ca 370.602	8093	ppb	15.16	0.2	25521
Cd 226.502	0.1093	ppb	0.0325	29.7	35.9412
Co 228.615	0.0057	ppb	0.3779	6629.7	-0.6399
Cr 267.716	0.4268	ppb	0.0626	14.7	62.5103
Cu 324.754	1.4408	ppb	0.2794	19.4	299.523
Fe 271.441	1331.69	ppb	3.2115	0.2	2254.20
K 766.491	2466.76	ppb	5.5032	0.2	119286
Mg 279.078	2451.70	ppb	3.7907	0.2	7118.06
Mn 257.610	1251.21	ppb	1.8675	0.1	300659
Mo 202.032	0.1906	ppb	0.3615	189.7	6.8935
Na 330.237	8082.34	ppb	95.3699	1.2	471.549
Ni 231.604	-0.0368	ppb	0.1434	389.2	-5.1138
Pb 220.353	0.1019	ppb	1.1093	1089.0	13.2042
Sb 206.834	1.2807	ppb	2.1416	167.2	-2.0895
Se 196.026	-3.8806	ppb	4.9780	128.3	5.5063
Sn 189.925	0.3924	ppb	1.2750	324.9	-5.7790
Sr 216.596	66.3315	ppb	0.3961	0.6	812.972
Ti 334.941	4.0031	ppb	0.1452	3.6	1277.59
Tl 190.794	2.7658	ppb	0.7722	27.9	-5.2640
V 292.401	0.5537	ppb	0.1216	22.0	2.9830
Zn 206.200	2.2380	ppb	1.1362	50.8	2.7010

680-109542-e-1-a (Samp) **2/5/2015, 8:40:36 AM** **Rack 4, Tube 41**

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

Label	Replicates Concentration		
Ag 328.068	-0.1795u	-0.2233u	-0.1817u
Al 308.215	79.8836	78.3180	77.3005
As 188.980	-6.0772u	-1.5595u	-6.3872u
B 249.678	45.6828	46.4393	46.1911
Ba 389.178	15.0026	15.3593	14.9339
Be 313.042	-0.0121	-0.0066	-0.0069
Ca 370.602	81839	81830	81834
Cd 226.502	-0.0397u	-0.0340u	-0.0070
Co 228.615	-0.7763u	-0.3110u	-0.6847u
Cr 267.716	1.6260	1.5516	1.4983
Cu 324.754	0.0026	0.0128	0.3423
Fe 271.441	249.540	247.100	240.616
K 766.491	2856.79	2864.91	2853.54
Mg 279.078	5067.10	5047.45	5047.85
Mn 257.610	18.5944	18.4859	18.5225
Mo 202.032	0.5516	0.7876	0.7352
Na 330.237	18321.0	17886.9	18050.3
Ni 231.604	0.8678	-0.1846u	1.4134
Pb 220.353	-1.6632u	3.4273	2.6577
Sb 206.834	0.6967	0.7940	3.1782
Se 196.026	-3.3996u	0.7988	-0.0370u
Sn 189.925	-0.1941u	-0.5861u	0.6454
Sr 216.596	422.630	420.038	420.197
Ti 334.941	0.6282	0.6436	0.6766
Tl 190.794	-3.3274u	-1.0614u	1.6641
V 292.401	2.3645	2.4702	2.6352
Zn 206.200	1.8060	2.4461	3.8380

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1948	ppb	0.0246	12.6	-44.0075
Al 308.215	78.5007	ppb	1.3012	1.7	935.043
As 188.980	-4.6746	ppb	2.7022	57.8	-7.4961
B 249.678	46.1044	ppb	0.3857	0.8	916.545
Ba 389.178	15.0986	ppb	0.2284	1.5	330.598
Be 313.042	-0.0085	ppb	0.0031	36.0	-324.545
Ca 370.602	81834	ppb	4.416	0.0	257693
Cd 226.502	-0.0269	ppb	0.0174	64.8	24.2556
Co 228.615	-0.5907	ppb	0.2465	41.7	-7.8073
Cr 267.716	1.5586	ppb	0.0642	4.1	120.922
Cu 324.754	0.1192	ppb	0.1932	162.1	197.807
Fe 271.441	245.752	ppb	4.6123	1.9	420.812
K 766.491	2858.41	ppb	5.8555	0.2	138173
Mg 279.078	5054.13	ppb	11.2280	0.2	14710.6
Mn 257.610	18.5343	ppb	0.0552	0.3	4562.04
Mo 202.032	0.6915	ppb	0.1240	17.9	10.3998
Na 330.237	18086.1	ppb	219.206	1.2	1021.68
Ni 231.604	0.6989	ppb	0.8123	116.2	-2.8166
Pb 220.353	1.4739	ppb	2.7440	186.2	15.0883
Sb 206.834	1.5563	ppb	1.4054	90.3	-1.7135
Se 196.026	-0.8793	ppb	2.2224	252.8	6.6481
Sn 189.925	-0.0449	ppb	0.6291	1400.4	-6.1084
Sr 216.596	420.955	ppb	1.4527	0.3	5148.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	0.6495	ppb	0.0247	3.8	181.927
Tl 190.794	-0.9082	ppb	2.4993	275.2	-9.9158
V 292.401	2.4900	ppb	0.1364	5.5	61.7466
Zn 206.200	2.6967	ppb	1.0389	38.5	3.2235

680-109546-e-1-a (Samp) **2/5/2015, 8:45:14 AM** **Rack 4, Tube 42**

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

Label	Replicates Concentration		
Ag 328.068	-0.1077u	-0.0254u	-0.0119u
Al 308.215	1059.97	1062.95	1059.64
As 188.980	-2.7191u	-3.9874u	-5.8096u
B 249.678	2014.63	2021.99	2026.94
Ba 389.178	12.7778	13.2165	14.3352
Be 313.042	0.0181u	0.0206u	0.0233u
Ca 370.602	18514	18606	18599
Cd 226.502	0.6484	0.6449	0.5749
Co 228.615	-0.1355u	-0.2545u	0.0479
Cr 267.716	194.917	194.928	195.468
Cu 324.754	2.9239	2.7573	2.7545
Fe 271.441	34.8641	32.7434	33.0490
K 766.491	5853.57	5841.14	5848.09
Mg 279.078	3999.24	4001.84	4006.05
Mn 257.610	183.604	184.211	184.371
Mo 202.032	1.9494	2.2635	2.7551
Na 330.237	524946x	525153x	524978x
Ni 231.604	2.9941	3.1511	2.7811
Pb 220.353	-1.3373u	-0.3167u	-0.9163u
Sb 206.834	3.2408	0.5844	1.0420
Se 196.026	11.3175	2.3196	8.6154
Sn 189.925	0.7189	-0.0394	-0.4064u
Sr 216.596	1843.83	1851.99	1850.49
Ti 334.941	0.2723	0.2700	0.2447
Tl 190.794	-2.3276u	-6.3881u	-3.1615u
V 292.401	0.4612u	0.3580u	0.4735u
Zn 206.200	28.0643	27.1236	29.2286

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0483b	ppb	0.0519	107.3	-82.4422
Al 308.215	1060.85b	ppb	1.8224	0.2	8571.04
As 188.980	-4.1720b	ppb	1.5535	37.2	-7.1451
B 249.678	2021.19b	ppb	6.1910	0.3	38394.7
Ba 389.178	13.4432b	ppb	0.8031	6.0	288.071
Be 313.042	0.0207b	ppb	0.0026	12.6	-352.459
Ca 370.602	18573b	ppb	51.08	0.3	58503
Cd 226.502	0.6227b	ppb	0.0415	6.7	49.6353
Co 228.615	-0.1140b	ppb	0.1523	133.6	-1.8188
Cr 267.716	195.104b	ppb	0.3147	0.2	11267.8
Cu 324.754	2.8119b	ppb	0.0970	3.5	404.028
Fe 271.441	33.5521b	ppb	1.1464	3.4	62.9994
K 766.491	5847.60b	ppb	6.2268	0.1	282323
Mg 279.078	4002.38b	ppb	3.4405	0.1	11649.1
Mn 257.610	184.062b	ppb	0.4049	0.2	44312.3
Mo 202.032	2.3227b	ppb	0.4061	17.5	21.6686

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	525025xb	ppb	111.353	0.0	28884.8
Ni 231.604	2.9754b	ppb	0.1857	6.2	4.5732
Pb 220.353	-0.8568b	ppb	0.5129	59.9	11.5152
Sb 206.834	1.6224b	ppb	1.4201	87.5	0.8657
Se 196.026	7.4175b	ppb	4.6170	62.2	10.6830
Sn 189.925	0.0910b	ppb	0.5739	630.6	-5.8446
Sr 216.596	1848.77b	ppb	4.3380	0.2	22464.6
Ti 334.941	0.2624b	ppb	0.0153	5.8	7.8356
Tl 190.794	-3.9590b	ppb	2.1445	54.2	-13.2765
V 292.401	0.4309b	ppb	0.0634	14.7	-14.8654
Zn 206.200	28.1388b	ppb	1.0545	3.7	29.8414

680-109557-a-1-a (Samp) **2/5/2015, 8:49:52 AM** **Rack 4, Tube 43**

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

Label	Replicates Concentration		
Ag 328.068	-0.2834u	-0.0743u	0.0869
Al 308.215	961.544	958.124	956.271
As 188.980	-0.5622u	3.2535	-6.7370u
B 249.678	22.0888	20.5765	19.5970
Ba 389.178	31.4487	31.0841	31.0904
Be 313.042	0.2874	0.2854	0.2833
Ca 370.602	6591	6592	6601
Cd 226.502	0.2948	0.1914	0.2065
Co 228.615	3.0165	2.4422	2.2486
Cr 267.716	0.6346	0.4641	0.5713
Cu 324.754	85.0020	85.0320	85.0499
Fe 271.441	163.696	164.336	163.521
K 766.491	6911.03	6874.46	6860.35
Mg 279.078	2857.27	2861.61	2851.14
Mn 257.610	20.8610	20.8984	20.8301
Mo 202.032	0.1779	0.0418	0.4282
Na 330.237	25811.7	25809.7	25618.1
Ni 231.604	2.3715	3.0684	2.2855
Pb 220.353	-0.3852u	-0.7818u	0.8675
Sb 206.834	0.7290	-1.2960u	-0.9322u
Se 196.026	4.9173	-4.0765u	-2.0757u
Sn 189.925	0.3736	-2.2754u	-1.7493u
Sr 216.596	34.0812	34.3743	33.9729
Ti 334.941	1.5686	1.5731	1.5299
Tl 190.794	-0.4511u	-1.0811u	3.7481
V 292.401	0.2818	0.2374	0.1924
Zn 206.200	23.3990	26.2967	26.0003

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0903	ppb	0.1857	205.7	-19.4849
Al 308.215	958.646	ppb	2.6746	0.3	7776.50
As 188.980	-1.3486	ppb	5.0415	373.8	-5.1791
B 249.678	20.7541	ppb	1.2553	6.0	435.747
Ba 389.178	31.2077	ppb	0.2087	0.7	714.358
Be 313.042	0.2854	ppb	0.0020	0.7	225.830
Ca 370.602	6595	ppb	5.244	0.1	20780
Cd 226.502	0.2309	ppb	0.0558	24.2	35.5911
Co 228.615	2.5691	ppb	0.3994	15.5	29.3396

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	0.5567	ppb	0.0862	15.5	63.4397
Cu 324.754	85.0280	ppb	0.0242	0.0	6700.22
Fe 271.441	163.851	ppb	0.4287	0.3	282.877
K 766.491	6881.95	ppb	26.1532	0.4	332203
Mg 279.078	2856.68	ppb	5.2611	0.2	8322.15
Mn 257.610	20.8632	ppb	0.0342	0.2	5101.12
Mo 202.032	0.2160	ppb	0.1960	90.7	7.1254
Na 330.237	25746.5	ppb	111.197	0.4	1442.22
Ni 231.604	2.5752	ppb	0.4294	16.7	3.2754
Pb 220.353	-0.0998	ppb	0.8609	862.4	12.5435
Sb 206.834	-0.4997	ppb	1.0795	216.0	-4.6491
Se 196.026	-0.4116	ppb	4.7221	1147.2	6.8731
Sn 189.925	-1.2170	ppb	1.4024	115.2	-6.9972
Sr 216.596	34.1428	ppb	0.2077	0.6	419.762
Ti 334.941	1.5572	ppb	0.0237	1.5	474.552
Tl 190.794	0.7386	ppb	2.6253	355.4	-8.0200
V 292.401	0.2372	ppb	0.0447	18.9	-6.2823
Zn 206.200	25.2320	ppb	1.5943	6.3	27.1417

680-109557-a-2-a (Samp) **2/5/2015, 8:54:30 AM** **Rack 4, Tube 44**

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

Label	Replicates Concentration		
Ag 328.068	-0.0346u	0.0141u	0.0316
Al 308.215	22.5173	21.1411	21.3496
As 188.980	-6.0029u	-4.3741u	-2.9577u
B 249.678	14.7378	14.2766	14.5435
Ba 389.178	33.0182	31.8835	32.3343
Be 313.042	0.1786	0.1832	0.1831
Ca 370.602	15087	15060	14988
Cd 226.502	0.5269	0.5406	0.6204
Co 228.615	2.3768	1.9878	2.0117
Cr 267.716	-0.0276	-0.0188	-0.0622u
Cu 324.754	1706.07	1697.23	1725.03
Fe 271.441	39.2288	33.0743	35.8517
K 766.491	2158.38	2164.49	2167.52
Mg 279.078	3821.80	3812.28	3808.32
Mn 257.610	54.2080	54.1028	54.1220
Mo 202.032	0.4907	0.2176	0.2492
Na 330.237	122365x	122793x	122060x
Ni 231.604	6.4865	5.8503	6.1677
Pb 220.353	0.3866	0.9789	2.0255
Sb 206.834	3.7764	0.6590	-1.8281u
Se 196.026	0.7258	0.6391	9.5241
Sn 189.925	1.2877	2.9332	0.1565
Sr 216.596	50.4857	50.1087	50.4125
Ti 334.941	0.3380	0.3724	0.3742
Tl 190.794	-2.7041u	0.5071	2.9075
V 292.401	-0.0070u	0.3163	0.4949
Zn 206.200	30.9101	31.6083	32.8403

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0037b	ppb	0.0343	922.1	-11.1719
Al 308.215	21.6693b	ppb	0.7418	3.4	492.837

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-4.4449b	ppb	1.5238	34.3	-7.3345
B 249.678	14.5193b	ppb	0.2316	1.6	317.790
Ba 389.178	32.4120b	ppb	0.5713	1.8	745.502
Be 313.042	0.1816b	ppb	0.0026	1.5	12.9516
Ca 370.602	15045b	ppb	50.98	0.3	47390
Cd 226.502	0.5626b	ppb	0.0505	9.0	49.5681
Co 228.615	2.1254b	ppb	0.2180	10.3	24.0834
Cr 267.716	-0.0362b	ppb	0.0229	63.4	31.4210
Cu 324.754	1709.44b	ppb	14.2033	0.8	131100
Fe 271.441	36.0516b	ppb	3.0821	8.5	67.0795
K 766.491	2163.47b	ppb	4.6553	0.2	104659
Mg 279.078	3814.13b	ppb	6.9293	0.2	11105.2
Mn 257.610	54.1442b	ppb	0.0560	0.1	13103.4
Mo 202.032	0.3192b	ppb	0.1494	46.8	7.8436
Na 330.237	122406xb	ppb	368.106	0.3	6754.94
Ni 231.604	6.1682b	ppb	0.3181	5.2	14.9584
Pb 220.353	1.1304b	ppb	0.8299	73.4	14.5294
Sb 206.834	0.8691b	ppb	2.8081	323.1	-2.7090
Se 196.026	3.6297b	ppb	5.1049	140.6	8.8271
Sn 189.925	1.4591b	ppb	1.3963	95.7	-4.9317
Sr 216.596	50.3356b	ppb	0.2000	0.4	619.593
Ti 334.941	0.3615b	ppb	0.0204	5.7	75.7205
Tl 190.794	0.2368b	ppb	2.8155	1188.8	-8.5543
V 292.401	0.2681b	ppb	0.2544	94.9	-6.0977
Zn 206.200	31.7862b	ppb	0.9773	3.1	34.1023

680-109552-e-1-a (Samp) **2/5/2015, 8:59:08 AM** **Rack 4, Tube 45**

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

Label	Replicates Concentration		
Ag 328.068	-0.6740u	-0.6075u	-0.4836u
Al 308.215	2838.64	2831.75	2837.69
As 188.980	4.3855	0.0624	6.6755
B 249.678	17.8616	17.4616	17.4036
Ba 389.178	96.0029	96.1493	96.5739
Be 313.042	0.5810u	0.5860u	0.5786u
Ca 370.602	13914	13975	14092
Cd 226.502	1.0790u	1.2765u	1.2271u
Co 228.615	0.9322	0.1864	0.0629
Cr 267.716	-0.1350	-0.0594	-0.0017
Cu 324.754	33.1039	33.0521	33.0055
Fe 271.441	87.4750	88.6031	89.0783
K 766.491	16872.4	16562.8	16894.0
Mg 279.078	10502.4	10558.4	10611.8
Mn 257.610	13.2639	13.4014	13.2500
Mo 202.032	32.9320	31.4098	32.4384
Na 330.237	10035918x	9994002x	10010149x
Ni 231.604	4.1753	3.4886	4.2028
Pb 220.353	1.5230	1.3633	2.7845
Sb 206.834	-0.6455u	-0.5466u	2.6283
Se 196.026	29.4067	23.4113	25.7797
Sn 189.925	-1.6816	-2.9531	0.1412
Sr 216.596	71.0352	71.5822	72.2375
Ti 334.941	11.7466	11.7357	11.8099

Label	Replicates Concentration		
Tl 190.794	-4.8510u	-5.0114u	-6.0977u
V 292.401	183.523	184.705	185.344
Zn 206.200	16.7983	15.3375	15.7224

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5883b	ppb	0.0966	16.4	-67.0545
Al 308.215	2836.03b	ppb	3.7299	0.1	22399.3
As 188.980	3.7078b	ppb	3.3582	90.6	-1.6671
B 249.678	17.5756b	ppb	0.2494	1.4	375.688
Ba 389.178	96.2420b	ppb	0.2966	0.3	2302.19
Be 313.042	0.5819b	ppb	0.0037	0.6	-357.369
Ca 370.602	13994b	ppb	90.10	0.6	44084
Cd 226.502	1.1942b	ppb	0.1028	8.6	12.9295
Co 228.615	0.3938b	ppb	0.4703	119.4	3.0483
Cr 267.716	-0.0653b	ppb	0.0669	102.3	232.348
Cu 324.754	33.0538b	ppb	0.0492	0.1	2718.51
Fe 271.441	88.3855b	ppb	0.8235	0.9	156.559
K 766.491	16776.4b	ppb	185.307	1.1	809352
Mg 279.078	10557.5b	ppb	54.7309	0.5	30708.2
Mn 257.610	13.3051b	ppb	0.0837	0.6	3296.82
Mo 202.032	32.2600b	ppb	0.7766	2.4	228.045
Na 330.237	10013357xb	ppb	21141.3	0.2	550407
Ni 231.604	3.9556b	ppb	0.4046	10.2	7.7686
Pb 220.353	1.8903b	ppb	0.7785	41.2	15.6535
Sb 206.834	0.4787b	ppb	1.8622	389.0	-3.7843
Se 196.026	26.1992b	ppb	3.0197	11.5	19.6925
Sn 189.925	-1.4978b	ppb	1.5553	103.8	-4.0619
Sr 216.596	71.6183b	ppb	0.6020	0.8	877.340
Ti 334.941	11.7641b	ppb	0.0400	0.3	2953.21
Tl 190.794	-5.3200b	ppb	0.6783	12.7	-14.7213
V 292.401	184.524b	ppb	0.9235	0.5	5475.40
Zn 206.200	15.9527b	ppb	0.7572	4.7	17.2913

680-109556-c-1-a (Samp) **2/5/2015, 9:03:46 AM** **Rack 4, Tube 46**

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

Label	Replicates Concentration		
Ag 328.068	-0.0578u	-0.1915u	-0.0191u
Al 308.215	102.411	100.443	102.055
As 188.980	71.7687	65.5802	66.1128
B 249.678	13711.3x	13755.6x	13800.0x
Ba 389.178	350.611	350.651	350.682
Be 313.042	0.0942	0.0993	0.1057
Ca 370.602	87917	88245	88240
Cd 226.502	0.5562	0.1878	0.2959
Co 228.615	23.5979	23.5186	23.2270
Cr 267.716	48.1234	48.4347	48.2085
Cu 324.754	1.3239	1.2226	1.0717
Fe 271.441	1704.83	1703.36	1706.64
K 766.491	260929x	261201x	261092x
Mg 279.078	65941.1	65970.9	65984.5
Mn 257.610	274.034	274.223	273.839
Mo 202.032	2.8595	2.8797	2.2328
Na 330.237	1429580x	1429045x	1429460x

Label	Replicates Concentration		
Ni 231.604	70.1668	69.3926	69.4949
Pb 220.353	2.8942	4.1211	-0.7455u
Sb 206.834	13.5555	14.0363	12.7727
Se 196.026	6.3941	12.6820	1.6795
Sn 189.925	5.3711	8.4585	5.7982
Sr 216.596	593.261	592.370	589.853
Ti 334.941	31.2845	31.2796	31.5683
Tl 190.794	-0.7103u	-5.3612u	-4.9363u
V 292.401	57.3458	57.0954	56.9161
Zn 206.200	18.3915	20.9870	18.4726

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0894b	ppb	0.0905	101.2	-40.4798
Al 308.215	101.636b	ppb	1.0485	1.0	1123.27
As 188.980	67.8206b	ppb	3.4295	5.1	42.9783
B 249.678	13755.6xb	ppb	44.3487	0.3	261054
Ba 389.178	350.648b	ppb	0.0355	0.0	8569.99
Be 313.042	0.0997b	ppb	0.0057	5.7	-288.119
Ca 370.602	88134b	ppb	188.0	0.2	277534
Cd 226.502	0.3466b	ppb	0.1894	54.6	40.1731
Co 228.615	23.4478b	ppb	0.1953	0.8	275.596
Cr 267.716	48.2555b	ppb	0.1609	0.3	2838.41
Cu 324.754	1.2061b	ppb	0.1269	10.5	280.960
Fe 271.441	1704.95b	ppb	1.6392	0.1	2887.71
K 766.491	261074xb	ppb	136.971	0.1	12590339
Mg 279.078	65965.5b	ppb	22.1943	0.0	191777
Mn 257.610	274.032b	ppb	0.1920	0.1	66460.8
Mo 202.032	2.6573b	ppb	0.3678	13.8	23.8348
Na 330.237	1429362xb	ppb	281.151	0.0	78591.1
Ni 231.604	69.6848b	ppb	0.4206	0.6	221.779
Pb 220.353	2.0899b	ppb	2.5310	121.1	16.2433
Sb 206.834	13.4548b	ppb	0.6378	4.7	15.8559
Se 196.026	6.9185b	ppb	5.5200	79.8	10.4807
Sn 189.925	6.5426b	ppb	1.6729	25.6	-0.6531
Sr 216.596	591.828b	ppb	1.7676	0.3	7226.41
Ti 334.941	31.3775b	ppb	0.1653	0.5	10257.2
Tl 190.794	-3.6693b	ppb	2.5714	70.1	-13.0098
V 292.401	57.1191b	ppb	0.2159	0.4	1699.60
Zn 206.200	19.2837b	ppb	1.4756	7.7	20.6791

X (Samp) **2/5/2015, 9:08:23 AM** **Rack 4, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.5708	9.6815	10.0009
Al 308.215	192.011	191.370	192.180
As 188.980	22.3265	17.1109	20.7775
B 249.678	172.529	164.219	157.484
Ba 389.178	8.9500	10.5057	9.2868
Be 313.042	4.1534	4.1667	4.1585
Ca 370.602	482.5	483.5	486.7
Cd 226.502	4.7583	4.8141	4.8557
Co 228.615	10.3393	10.2566	10.1343
Cr 267.716	9.6986	9.7462	9.5469

Label	Replicates Concentration		
Cu 324.754	20.8607	20.4400	20.9930
Fe 271.441	48.2971	53.4998	48.3339
K 766.491	1050.72	1055.22	1060.10
Mg 279.078	509.510	513.187	510.815
Mn 257.610	10.6136	10.7080	10.7090
Mo 202.032	10.0940	9.6668	9.4846
Na 330.237	1080.51	1072.71	1232.87
Ni 231.604	40.2373	40.9561	40.3820
Pb 220.353	8.4356	9.3788	10.4967
Sb 206.834	17.2371	20.2083	18.4905
Se 196.026	14.8047	15.5094	21.0143
Sn 189.925	53.4711	48.6146	49.2038
Sr 216.596	9.5346	9.7387	9.9334
Ti 334.941	9.3726	9.4292	9.4076
Tl 190.794	24.5744	22.4516	23.9410
V 292.401	10.7713	10.7076	10.6462
Zn 206.200	19.2305	20.3288	19.4599

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.7511	ppb	0.2234	2.3	899.293
Al 308.215	191.854	ppb	0.4274	0.2	1817.57
As 188.980	20.0716	ppb	2.6785	13.3	9.7357
B 249.678	164.744	ppb	7.5359	4.6	3168.57
Ba 389.178	9.5808	ppb	0.8184	8.5	186.979
Be 313.042	4.1595	ppb	0.0067	0.2	7888.90
Ca 370.602	484.2	ppb	2.171	0.4	1545
Cd 226.502	4.8094	ppb	0.0489	1.0	245.421
Co 228.615	10.2434	ppb	0.1031	1.0	119.366
Cr 267.716	9.6639	ppb	0.1041	1.1	586.631
Cu 324.754	20.7646	ppb	0.2888	1.4	1779.03
Fe 271.441	50.0436	ppb	2.9932	6.0	91.7858
K 766.491	1055.34	ppb	4.6913	0.4	51221.5
Mg 279.078	511.171	ppb	1.8643	0.4	1504.22
Mn 257.610	10.6769	ppb	0.0548	0.5	2633.60
Mo 202.032	9.7485	ppb	0.3128	3.2	72.8973
Na 330.237	1128.70	ppb	90.3012	8.0	89.2591
Ni 231.604	40.5251	ppb	0.3802	0.9	126.759
Pb 220.353	9.4370	ppb	1.0318	10.9	27.8349
Sb 206.834	18.6453	ppb	1.4917	8.0	22.6044
Se 196.026	17.1095	ppb	3.4000	19.9	15.3117
Sn 189.925	50.4298	ppb	2.6503	5.3	32.2688
Sr 216.596	9.7356	ppb	0.1994	2.0	119.532
Ti 334.941	9.4032	ppb	0.0285	0.3	3045.09
Tl 190.794	23.6557	ppb	1.0898	4.6	18.0883
V 292.401	10.7084	ppb	0.0626	0.6	308.085
Zn 206.200	19.6731	ppb	0.5793	2.9	21.2285

CRI (Samp) **2/5/2015, 9:13:01 AM** **Rack 4, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	9.9873	9.7367	9.6939
Al 308.215	193.493	193.498	192.235
As 188.980	22.9523	17.4381	15.3204

Label	Replicates Concentration		
B 249.678	123.659	121.400	120.280
Ba 389.178	8.8669	9.2190	9.2453
Be 313.042	4.1935	4.1787	4.1828
Ca 370.602	493.2	490.6	486.6
Cd 226.502	5.0293	4.9260	4.9154
Co 228.615	10.1869	9.9764	9.8313
Cr 267.716	9.8470	9.7554	9.9487
Cu 324.754	20.6718	20.2868	20.2737
Fe 271.441	51.0054	53.1306	51.8662
K 766.491	1030.85	1031.67	1028.79
Mg 279.078	515.314	513.458	511.148
Mn 257.610	10.7153	10.6705	10.6983
Mo 202.032	10.1728	9.2187	9.8127
Na 330.237	974.479	1088.74	977.487
Ni 231.604	40.1745	40.0553	39.4936
Pb 220.353	9.1675	10.4857	10.9998
Sb 206.834	19.6497	19.0267	23.2096
Se 196.026	19.7064	15.5747	21.5405
Sn 189.925	48.0321	51.5621	46.3561
Sr 216.596	9.6008	10.0516	9.5288
Ti 334.941	9.3969	9.4207	9.4092
Tl 190.794	24.9850	23.5730	24.4511
V 292.401	11.1289	10.7570	10.8458
Zn 206.200	20.5196	21.0812	21.4188

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.8060	ppb	0.1585	1.6	904.411
Al 308.215	193.075	ppb	0.7277	0.4	1827.10
As 188.980	18.5703	ppb	3.9399	21.2	8.6901
B 249.678	121.780	ppb	1.7214	1.4	2353.30
Ba 389.178	9.1104	ppb	0.2113	2.3	175.628
Be 313.042	4.1850	ppb	0.0076	0.2	7939.31
Ca 370.602	490.1	ppb	3.360	0.7	1563
Cd 226.502	4.9569	ppb	0.0629	1.3	252.200
Co 228.615	9.9982	ppb	0.1788	1.8	116.488
Cr 267.716	9.8504	ppb	0.0967	1.0	597.360
Cu 324.754	20.4108	ppb	0.2262	1.1	1751.94
Fe 271.441	52.0007	ppb	1.0690	2.1	95.0751
K 766.491	1030.44	ppb	1.4832	0.1	50020.2
Mg 279.078	513.307	ppb	2.0871	0.4	1510.43
Mn 257.610	10.6947	ppb	0.0226	0.2	2637.91
Mo 202.032	9.7347	ppb	0.4818	4.9	72.8023
Na 330.237	1013.57	ppb	65.1193	6.4	82.9056
Ni 231.604	39.9078	ppb	0.3637	0.9	124.750
Pb 220.353	10.2177	ppb	0.9451	9.2	29.0878
Sb 206.834	20.6287	ppb	2.2568	10.9	25.4327
Se 196.026	18.9406	ppb	3.0557	16.1	16.1940
Sn 189.925	48.6501	ppb	2.6575	5.5	30.9155
Sr 216.596	9.7271	ppb	0.2833	2.9	119.448
Ti 334.941	9.4089	ppb	0.0119	0.1	3046.98
Tl 190.794	24.3364	ppb	0.7129	2.9	18.8631
V 292.401	10.9106	ppb	0.1942	1.8	314.190
Zn 206.200	21.0065	ppb	0.4542	2.2	22.6431

Cont Calib Verif (CCV) **2/5/2015, 9:17:39 AM** **Rack 4, Tube 49**

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

Label	Replicates Concentration		
Ag 328.068	459.207	457.503	459.632
Al 308.215	4594.11	4621.50	4611.92
As 188.980	459.495	461.056	466.955
B 249.678	479.330	484.970	483.268
Ba 389.178	4549.50	4565.65	4552.90
Be 313.042	484.436	487.735	485.861
Ca 370.602	4587	4614	4606
Cd 226.502	470.489	472.570	471.385
Co 228.615	482.697	484.400	484.240
Cr 267.716	4797.22	4828.81	4815.92
Cu 324.754	4814.23	4822.36	4861.22
Fe 271.441	4600.76	4651.16	4628.17
K 766.491	9648.42	9744.94	9704.99
Mg 279.078	4806.73	4828.98	4818.70
Mn 257.610	4881.04	4930.32	4911.06
Mo 202.032	463.712	466.757	465.779
Na 330.237	7647.63	7636.77	7699.33
Ni 231.604	2421.40	2431.95	2435.89
Pb 220.353	482.932	485.611	484.384
Sb 206.834	892.646	897.909	890.305
Se 196.026	4665.82	4675.36	4704.84
Sn 189.925	4717.33	4739.13	4712.43
Sr 216.596	2368.15	2369.66	2361.06
Ti 334.941	438.796	441.167	440.288
Tl 190.794	4728.87	4758.33	4736.91
V 292.401	4743.17	4775.42	4756.23
Zn 206.200	2426.41	2428.77	2423.66

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	458.781	ppb	1.1269	0.2	42727.2	91.75610
Al 308.215	4609.18	ppb	13.9038	0.3	36894.7	92.18353
As 188.980	462.502	ppb	3.9348	0.9	317.672	92.50040
B 249.678	482.522	ppb	2.8929	0.6	9201.11	96.50449
Ba 389.178	4556.02	ppb	8.5142	0.2	109955	91.12041
Be 313.042	486.011	ppb	1.6546	0.3	961207	97.20215
Ca 370.602	4603	ppb	13.66	0.3	14853	92.05008
Cd 226.502	471.481	ppb	1.0441	0.2	21699.2	94.29626
Co 228.615	483.779	ppb	0.9406	0.2	5687.10	96.75579
Cr 267.716	4813.98	ppb	15.8831	0.3	276969	96.27969
Cu 324.754	4832.60	ppb	25.1103	0.5	370226	96.65207
Fe 271.441	4626.69	ppb	25.2341	0.5	7920.01	92.53390
K 766.491	9699.45	ppb	48.4991	0.5	468074	96.99448
Mg 279.078	4818.14	ppb	11.1355	0.2	13915.9	96.36273
Mn 257.610	4907.48	ppb	24.8354	0.5	1179015	98.14951
Mo 202.032	465.416	ppb	1.5549	0.3	3211.74	93.08318
Na 330.237	7661.24	ppb	33.4332	0.4	388.753	102.14989
Ni 231.604	2429.74	ppb	7.4898	0.3	7902.02	97.18979
Pb 220.353	484.309	ppb	1.3411	0.3	794.094	96.86186
Sb 206.834	893.620	ppb	3.8944	0.4	1326.04	89.36200Q
Se 196.026	4682.01	ppb	20.3447	0.4	2264.18	93.64016
Sn 189.925	4722.97	ppb	14.2134	0.3	3585.41	94.45932
Sr 216.596	2366.29	ppb	4.5887	0.2	28678.0	94.65159

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 334.941	440.084	ppb	1.1988	0.3	144298	88.01673Q
Tl 190.794	4741.37	ppb	15.2279	0.3	5398.61	94.82740
V 292.401	4758.27	ppb	16.2201	0.3	143548	95.16546
Zn 206.200	2426.28	ppb	2.5546	0.1	2565.24	97.05116

Cont Calib Blank (CCB) **2/5/2015, 9:22:17 AM** **Rack 4, Tube 50**

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

Label	Replicates Concentration		
Ag 328.068	0.1697	-0.0151u	-0.0755u
Al 308.215	-1.1849u	-0.7592u	-1.0969u
As 188.980	-3.8542u	-0.8249u	2.2043
B 249.678	11.1108	9.7085	9.4758
Ba 389.178	-0.4179u	-0.4258u	0.0512
Be 313.042	0.0185	0.0158	0.0176
Ca 370.602	1.627	-1.028u	4.314
Cd 226.502	0.0107	0.0430	0.0821
Co 228.615	-0.1870u	-0.7137u	-0.4188u
Cr 267.716	-0.2856u	-0.1682u	0.0563
Cu 324.754	-0.2276u	0.0239	-0.2011u
Fe 271.441	3.8365	4.1721	5.1105
K 766.491	5.5508	5.4663	6.0096
Mg 279.078	1.9836	0.8520	1.9172
Mn 257.610	0.1559	0.1982	0.2848
Mo 202.032	-0.3271u	0.4873	0.6290
Na 330.237	61.6696	210.189	188.889
Ni 231.604	0.1637	-0.4836u	-0.1008u
Pb 220.353	1.6443	1.3915	-0.2185u
Sb 206.834	4.2136	3.3695	5.4488
Se 196.026	-0.8590u	-0.8158u	2.6253
Sn 189.925	-0.2661u	2.6919	2.1403
Sr 216.596	0.2469	-0.0795u	0.2933
Ti 334.941	0.1115	0.1321	0.1244
Tl 190.794	5.7799	5.8847	2.0487
V 292.401	0.2639	0.2631	0.3122
Zn 206.200	-1.0613u	1.4827	0.9058

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0264	ppb	0.1277	483.8	-7.3538	0.02641
Al 308.215	-1.0137	ppb	0.2247	22.2	316.520	-1.01369
As 188.980	-0.8249	ppb	3.0292	367.2	-4.8134	-0.82495
B 249.678	10.0983	ppb	0.8845	8.8	234.051	10.09835
Ba 389.178	-0.2642	ppb	0.2731	103.4	-51.9313	-0.26417
Be 313.042	0.0173	ppb	0.0013	7.7	-303.601	0.01730
Ca 370.602	1.638	ppb	2.671	163.1	20.70	1.63783
Cd 226.502	0.0453	ppb	0.0357	79.0	26.4168	0.04526
Co 228.615	-0.4398	ppb	0.2640	60.0	-6.0586	-0.43984
Cr 267.716	-0.1325	ppb	0.1737	131.1	23.0538	-0.13254
Cu 324.754	-0.1349	ppb	0.1382	102.4	178.251	-0.13492
Fe 271.441	4.3730	ppb	0.6603	15.1	13.2718	4.37301
K 766.491	5.6755	ppb	0.2924	5.2	602.266	5.67554
Mg 279.078	1.5843	ppb	0.6350	40.1	23.1419	1.58429
Mn 257.610	0.2130	ppb	0.0657	30.9	115.370	0.21298
Mo 202.032	0.2631	ppb	0.5160	196.1	7.4578	0.26306

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Na 330.237	153.582	ppb	80.3081	52.3	36.1567	153.58234
Ni 231.604	-0.1402	ppb	0.3255	232.1	-5.5690	-0.14021
Pb 220.353	0.9391	ppb	1.0105	107.6	14.2106	0.93912
Sb 206.834	4.3439	ppb	1.0458	24.1	2.2426	4.34395
Se 196.026	0.3168	ppb	1.9993	631.0	7.2177	0.31685
Sn 189.925	1.5221	ppb	1.5730	103.3	-4.9225	1.52207
Sr 216.596	0.1536	ppb	0.2032	132.3	4.1396	0.15357
Ti 334.941	0.1227	ppb	0.0104	8.5	0.5409	0.12268
Tl 190.794	4.5711	ppb	2.1851	47.8	-3.6507	4.57110
V 292.401	0.2797	ppb	0.0281	10.0	-4.7205	0.27972
Zn 206.200	0.4424	ppb	1.3338	301.5	0.8431	0.44239

Cont Calib Verif (CCV) **2/5/2015, 10:13:11 AM** **Rack 1, Tube 1**

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

Label	Replicates Concentration		
Ag 328.068	455.663	457.071	451.101
Al 308.215	4586.56	4587.32	4576.10
As 188.980	458.218	469.834	464.683
B 249.678	467.668	468.341	470.188
Ba 389.178	4486.56	4490.05	4473.62
Be 313.042	480.275	481.091	482.745
Ca 370.602	4518	4506	4489
Cd 226.502	464.213	464.179	463.959
Co 228.615	475.423	476.085	476.779
Cr 267.716	4736.02	4741.03	4727.02
Cu 324.754	4811.13	4802.98	4724.88
Fe 271.441	4555.92	4567.21	4569.84
K 766.491	9870.76	9863.10	9869.77
Mg 279.078	4775.74	4781.88	4766.13
Mn 257.610	4832.33	4842.54	4846.39
Mo 202.032	459.805	456.697	457.096
Na 330.237	7496.32	7421.17	7640.46
Ni 231.604	2391.21	2393.42	2387.26
Pb 220.353	468.813	472.144	473.284
Sb 206.834	891.920	890.503	886.560
Se 196.026	4690.45	4711.57	4685.58
Sn 189.925	4610.91	4657.45	4622.00
Sr 216.596	2308.41	2317.59	2318.32
Ti 334.941	436.767	437.581	437.145
Tl 190.794	4660.09	4680.07	4664.02
V 292.401	4700.42	4706.68	4705.34
Zn 206.200	2370.96	2374.13	2361.09

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	454.612	ppb	3.1207	0.7	42339.8	90.92236
Al 308.215	4583.33	ppb	6.2695	0.1	36685.8	91.66651
As 188.980	464.245	ppb	5.8203	1.3	318.888	92.84898
B 249.678	468.732	ppb	1.3047	0.3	8939.55	93.74648
Ba 389.178	4483.41	ppb	8.6542	0.2	108202	89.66815Q
Be 313.042	481.370	ppb	1.2585	0.3	952026	96.27405
Ca 370.602	4505	ppb	14.68	0.3	14542	90.09006
Cd 226.502	464.117	ppb	0.1377	0.0	21360.7	92.82338
Co 228.615	476.096	ppb	0.6779	0.1	5596.87	95.21913

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cr 267.716	4734.69	ppb	7.1002	0.1	272407	94.69374
Cu 324.754	4779.66	ppb	47.6157	1.0	366172	95.59323
Fe 271.441	4564.32	ppb	7.3962	0.2	7813.27	91.28645
K 766.491	9867.88	ppb	4.1638	0.0	476197	98.67875
Mg 279.078	4774.58	ppb	7.9407	0.2	13790.7	95.49161
Mn 257.610	4840.42	ppb	7.2699	0.2	1162906	96.80845
Mo 202.032	457.866	ppb	1.6908	0.4	3159.70	91.57317
Na 330.237	7519.32	ppb	111.436	1.5	382.330	100.25757
Ni 231.604	2390.63	ppb	3.1225	0.1	7774.72	95.62514
Pb 220.353	471.414	ppb	2.3233	0.5	773.338	94.28274
Sb 206.834	889.661	ppb	2.7778	0.3	1319.58	88.96609Q
Se 196.026	4695.86	ppb	13.8184	0.3	2270.84	93.91730
Sn 189.925	4630.12	ppb	24.3086	0.5	3514.81	92.60237
Sr 216.596	2314.78	ppb	5.5207	0.2	28053.4	92.59102
Ti 334.941	437.164	ppb	0.4077	0.1	143341	87.43283Q
Tl 190.794	4668.06	ppb	10.5847	0.2	5315.04	93.36121
V 292.401	4704.14	ppb	3.2923	0.1	141915	94.08288
Zn 206.200	2368.73	ppb	6.8020	0.3	2504.30	94.74902

Cont Calib Blank (CCB) **2/5/2015, 10:17:44 AM** **Rack 1, Tube 2**

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

Label	Replicates Concentration		
Ag 328.068	0.0649	0.0156	0.1165
Al 308.215	-0.5172u	-1.0433u	-0.1057u
As 188.980	0.0447	-2.3883u	-1.9075u
B 249.678	3.6159	3.0529	2.7713
Ba 389.178	-0.2048u	0.6130	-0.1731u
Be 313.042	0.0166	0.0105	0.0128
Ca 370.602	-2.600u	0.7387	4.036
Cd 226.502	0.0647	-0.0142u	-0.0703u
Co 228.615	-0.0144u	-0.1466u	-0.4015u
Cr 267.716	-0.1418u	-0.0214u	-0.2425u
Cu 324.754	0.1824	0.1242	0.0472
Fe 271.441	-3.3951u	-1.1988u	4.4810
K 766.491	2.3335	2.9313	2.8720
Mg 279.078	0.6906	0.8165	0.0613
Mn 257.610	0.1438	0.0857	0.1089
Mo 202.032	0.7489	0.0333	0.5371
Na 330.237	15.8804	130.230	-38.2451u
Ni 231.604	1.5290	0.5513	-0.0399u
Pb 220.353	-0.8331u	-0.2514u	0.5025
Sb 206.834	7.8588	4.6412	7.5070
Se 196.026	2.3283	2.6957	3.9979
Sn 189.925	-0.4140u	-0.0341u	2.5182
Sr 216.596	-0.0239u	0.1908	0.0113
Ti 334.941	0.1405	0.1442	0.0964
Tl 190.794	5.2671	0.5440	3.5092
V 292.401	0.2347	-0.1047u	0.1946
Zn 206.200	1.0141	-0.4453u	-0.6269u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0656	ppb	0.0504	76.8	-3.6876	0.06564
Al 308.215	-0.5554	ppb	0.4700	84.6	320.071	-0.55538

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	-1.4170	ppb	1.2885	90.9	-5.2257	-1.41704
B 249.678	3.1467	ppb	0.4300	13.7	102.149	3.14669
Ba 389.178	0.0784	ppb	0.4633	591.0	-43.6689	0.07838
Be 313.042	0.0133	ppb	0.0031	23.3	-311.565	0.01329
Ca 370.602	0.7249	ppb	3.318	457.7	17.85	0.72491
Cd 226.502	-0.0066	ppb	0.0678	1029.8	24.0129	-0.00659
Co 228.615	-0.1875	ppb	0.1968	104.9	-3.1017	-0.18752
Cr 267.716	-0.1352	ppb	0.1107	81.9	22.8979	-0.13522
Cu 324.754	0.1179	ppb	0.0678	57.5	197.622	0.11792
Fe 271.441	-0.0376	ppb	4.0644	10809.3	5.8657	-0.03760
K 766.491	2.7123	ppb	0.3294	12.1	459.365	2.71225
Mg 279.078	0.5228	ppb	0.4046	77.4	20.0577	0.52279
Mn 257.610	0.1128	ppb	0.0293	26.0	91.2804	0.11282
Mo 202.032	0.4398	ppb	0.3676	83.6	8.6775	0.43977
Na 330.237	35.9552	ppb	86.0129	239.2	29.7005	35.95517
Ni 231.604	0.6801	ppb	0.7924	116.5	-2.9003	0.68014
Pb 220.353	-0.1940	ppb	0.6697	345.2	12.3916	-0.19397
Sb 206.834	6.6690	ppb	1.7649	26.5	5.5524	6.66899
Se 196.026	3.0073	ppb	0.8773	29.2	8.5139	3.00727
Sn 189.925	0.6901	ppb	1.5946	231.1	-5.5552	0.69006
Sr 216.596	0.0594	ppb	0.1151	193.8	2.9632	0.05941
Ti 334.941	0.1270	ppb	0.0266	20.9	1.9719	0.12705
Tl 190.794	3.1068	ppb	2.3871	76.8	-5.3170	3.10677
V 292.401	0.1082	ppb	0.1855	171.4	-9.9536	0.10818
Zn 206.200	-0.0194	ppb	0.8996	4640.7	0.3533	-0.01939

680-109515-a-32-a^10 (Samp) **2/5/2015, 10:22:17 AM** **Rack 1, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-0.5712u	-0.4575u	-0.7342u
Al 308.215	14002.7	13683.2	13445.0
As 188.980	27.0432	27.1108	25.5034
B 249.678	4.3169u	4.1992u	3.5907u
Ba 389.178	840.535	821.433	807.804
Be 313.042	2.4007	2.3356	2.3040
Ca 370.602	10188	9971	9844
Cd 226.502	1.3967	1.3009	1.1238
Co 228.615	33.8615	33.3181	32.8464
Cr 267.716	45.2419	44.0617	43.4381
Cu 324.754	22.0934	21.6620	20.6284
Fe 271.441	48597.9	47469.5	46692.9
K 766.491	729.967	713.528	701.710
Mg 279.078	3159.11	3085.82	3041.91
Mn 257.610	7005.29	6855.57	6742.11
Mo 202.032	3.2792	3.1043	2.9821
Na 330.237	24.9106u	-0.9789u	182.345u
Ni 231.604	24.4508	23.3822	21.1070
Pb 220.353	74.0810	72.2029	71.4617
Sb 206.834	2.1284	0.9199	2.0802
Se 196.026	-2.8890	-1.2399	1.5810
Sn 189.925	4.9761	9.7157	10.2066
Sr 216.596	48.9912	47.6217	47.1917
Ti 334.941	84.9188	82.8034	81.3817

Label	Replicates Concentration		
Tl 190.794	3.2843u	5.2065	3.9720
V 292.401	62.6264	61.5214	60.0872
Zn 206.200	137.843	133.869	131.198

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5877	ppb	0.1391	23.7	-36.6905
Al 308.215	13710.3	ppb	279.849	2.0	106917
As 188.980	26.5525	ppb	0.9091	3.4	13.9231
B 249.678	4.0356	ppb	0.3897	9.7	-7.1104
Ba 389.178	823.257	ppb	16.4414	2.0	19872.9
Be 313.042	2.3467	ppb	0.0493	2.1	4308.44
Ca 370.602	10001	ppb	173.9	1.7	31192
Cd 226.502	1.2738	ppb	0.1385	10.9	318.618
Co 228.615	33.3420	ppb	0.5079	1.5	395.964
Cr 267.716	44.2472	ppb	0.9161	2.1	2635.53
Cu 324.754	21.4613	ppb	0.7528	3.5	1852.95
Fe 271.441	47586.8	ppb	957.913	2.0	80349.3
K 766.491	715.069	ppb	14.1910	2.0	34812.0
Mg 279.078	3095.61	ppb	59.2121	1.9	8862.07
Mn 257.610	6867.66	ppb	132.004	1.9	1650025
Mo 202.032	3.1219	ppb	0.1493	4.8	24.8415
Na 330.237	68.7589	ppb	99.2166	144.3	15.3063
Ni 231.604	22.9800	ppb	1.7078	7.4	73.8897
Pb 220.353	72.5819	ppb	1.3502	1.9	133.626
Sb 206.834	1.7095	ppb	0.6843	40.0	-0.0925
Se 196.026	-0.8493	ppb	2.2604	266.2	8.7444
Sn 189.925	8.2995	ppb	2.8886	34.8	0.2312
Sr 216.596	47.9349	ppb	0.9397	2.0	650.809
Ti 334.941	83.0346	ppb	1.7799	2.1	27205.4
Tl 190.794	4.1543	ppb	0.9740	23.4	-8.1103
V 292.401	61.4117	ppb	1.2732	2.1	1821.95
Zn 206.200	134.303	ppb	3.3439	2.5	141.149

680-109515-a-34-a^10 (Samp) **2/5/2015, 10:26:51 AM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.9383u	-1.0722u	-0.9408u
Al 308.215	15626.0	15367.6	15215.8
As 188.980	25.0016	22.8689	25.0544
B 249.678	2.9724u	2.9950u	3.0288u
Ba 389.178	680.638	670.373	662.121
Be 313.042	2.8649	2.8187	2.7946
Ca 370.602	3681	3612	3575
Cd 226.502	-0.2349	-0.2429	-0.3568
Co 228.615	45.1922	44.6884	43.7334
Cr 267.716	53.0739	52.1575	51.5689
Cu 324.754	10.0702	9.9413	9.6975
Fe 271.441	61803.9	60735.8	60187.4
K 766.491	645.150	633.961	626.830
Mg 279.078	1047.43	1031.78	1019.07
Mn 257.610	7049.28	6918.66	6853.72
Mo 202.032	2.3322	1.9321	1.1507
Na 330.237	-92.4970u	-95.9547u	-74.1172u

Label	Replicates Concentration		
Ni 231.604	19.5429	18.2077	17.4838
Pb 220.353	101.042	101.754	98.0018
Sb 206.834	-0.1746	-0.4689	2.8274
Se 196.026	-0.7070	-4.7002u	-0.5964
Sn 189.925	2.1412	2.4843	2.8134
Sr 216.596	18.1650	17.3149	17.5085
Ti 334.941	46.3482	45.6448	45.1433
Tl 190.794	0.7156u	-0.9866u	3.9874u
V 292.401	78.2979	76.7031	75.9390
Zn 206.200	56.4042	54.9030	53.3205

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9838	ppb	0.0766	7.8	-74.5274
Al 308.215	15403.1	ppb	207.400	1.3	120081
As 188.980	24.3083	ppb	1.2468	5.1	12.2688
B 249.678	2.9987	ppb	0.0284	0.9	-62.1650
Ba 389.178	671.044	ppb	9.2767	1.4	16205.3
Be 313.042	2.8260	ppb	0.0357	1.3	5254.93
Ca 370.602	3623	ppb	53.80	1.5	10937
Cd 226.502	-0.2782	ppb	0.0682	24.5	313.492
Co 228.615	44.5380	ppb	0.7409	1.7	527.656
Cr 267.716	52.2668	ppb	0.7585	1.5	3103.89
Cu 324.754	9.9030	ppb	0.1892	1.9	973.569
Fe 271.441	60909.0	ppb	822.052	1.3	102842
K 766.491	635.313	ppb	9.2345	1.5	30965.9
Mg 279.078	1032.76	ppb	14.2038	1.4	2862.98
Mn 257.610	6940.56	ppb	99.5994	1.4	1667563
Mo 202.032	1.8050	ppb	0.6009	33.3	15.0994
Na 330.237	-87.5230	ppb	11.7378	13.4	5.0396
Ni 231.604	18.4115	ppb	1.0445	5.7	60.1956
Pb 220.353	100.266	ppb	1.9928	2.0	178.978
Sb 206.834	0.7280	ppb	1.8241	250.6	-1.1180
Se 196.026	-2.0012	ppb	2.3381	116.8	8.3340
Sn 189.925	2.4796	ppb	0.3362	13.6	-4.1945
Sr 216.596	17.6628	ppb	0.4455	2.5	298.321
Ti 334.941	45.7121	ppb	0.6053	1.3	14963.0
Tl 190.794	1.2388	ppb	2.5280	204.1	-13.5070
V 292.401	76.9800	ppb	1.2036	1.6	2286.76
Zn 206.200	54.8759	ppb	1.5420	2.8	56.3861

680-109515-a-45-a^10 (Samp) **2/5/2015, 10:31:25 AM** **Rack 1, Tube 5**

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

Label	Replicates Concentration		
Ag 328.068	-0.6210u	-0.6510u	-0.6404u
Al 308.215	11388.7	11335.9	11095.9
As 188.980	17.1084	15.8529	15.6703
B 249.678	1.5334u	1.5380u	1.8068u
Ba 389.178	565.099	553.110	543.702
Be 313.042	2.3315	2.2900	2.2412
Ca 370.602	2141	2103	2061
Cd 226.502	-0.1495	-0.1611	-0.0709
Co 228.615	22.4501	22.3712	21.9919
Cr 267.716	32.4727	32.1349	31.4068

Label	Replicates Concentration		
Cu 324.754	12.2197	11.8811	11.8431
Fe 271.441	30892.9	30255.0	29752.0
K 766.491	563.727	553.184	543.176
Mg 279.078	494.723	486.684	479.247
Mn 257.610	9191.19	8987.91	8848.17
Mo 202.032	2.2935	2.0593	2.3686
Na 330.237	135.048u	43.4857u	-49.8246u
Ni 231.604	10.1796	9.5250	9.9411
Pb 220.353	82.8375	80.6228	75.5544
Sb 206.834	-0.8946u	0.8501	-0.0830
Se 196.026	-8.2730u	-3.9386	-1.3017
Sn 189.925	3.2791	4.3526	4.1137
Sr 216.596	13.2566	12.6944	12.3580
Ti 334.941	81.6024	80.0280	78.6636
Tl 190.794	2.1450	1.1778	1.0059
V 292.401	47.2908	46.1455	45.1674
Zn 206.200	65.9802	62.0981	63.8661

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6375	ppb	0.0152	2.4	-24.6975
Al 308.215	11273.5	ppb	156.020	1.4	87970.4
As 188.980	16.2105	ppb	0.7829	4.8	6.8407
B 249.678	1.6261	ppb	0.1565	9.6	-6.9952
Ba 389.178	553.970	ppb	10.7243	1.9	13352.4
Be 313.042	2.2876	ppb	0.0452	2.0	4187.45
Ca 370.602	2102	ppb	40.18	1.9	6574
Cd 226.502	-0.1272	ppb	0.0491	38.6	168.420
Co 228.615	22.2711	ppb	0.2449	1.1	264.632
Cr 267.716	32.0048	ppb	0.5447	1.7	1933.41
Cu 324.754	11.9813	ppb	0.2074	1.7	1119.28
Fe 271.441	30300.0	ppb	571.810	1.9	51163.2
K 766.491	553.362	ppb	10.2769	1.9	27013.9
Mg 279.078	486.885	ppb	7.7397	1.6	1232.72
Mn 257.610	9009.09	ppb	172.487	1.9	2164368
Mo 202.032	2.2405	ppb	0.1613	7.2	19.6042
Na 330.237	42.9032	ppb	92.4379	215.5	20.2988
Ni 231.604	9.8819	ppb	0.3313	3.4	29.7259
Pb 220.353	79.6716	ppb	3.7336	4.7	144.292
Sb 206.834	-0.0425	ppb	0.8731	2053.5	-3.0549
Se 196.026	-4.5044	ppb	3.5199	78.1	7.3271
Sn 189.925	3.9151	ppb	0.5637	14.4	-3.1028
Sr 216.596	12.7697	ppb	0.4540	3.6	197.985
Ti 334.941	80.0980	ppb	1.4706	1.8	26234.5
Tl 190.794	1.4429	ppb	0.6141	42.6	-7.3016
V 292.401	46.2013	ppb	1.0628	2.3	1369.94
Zn 206.200	63.9815	ppb	1.9436	3.0	67.1521

640-50339-h-8-a^5 (Samp) **2/5/2015, 10:35:59 AM** **Rack 1, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	0.1509	0.0308u	0.1207
Al 308.215	74.0600	73.6922	70.8447
As 188.980	17.6172	21.4909	17.5251

Label	Replicates Concentration		
B 249.678	13.8948	14.1298	13.6626
Ba 389.178	11.8151	10.7580	12.0050
Be 313.042	0.2280u	0.2184u	0.2224u
Ca 370.602	665.8	652.1	641.8
Cd 226.502	0.5627	0.5266	0.5221
Co 228.615	1.3369	1.7226	2.0568
Cr 267.716	2.6553	2.5316	2.4241
Cu 324.754	25.2165	25.2174	24.0667
Fe 271.441	6350.27	6215.00	6102.04
K 766.491	50080.3x	49058.7x	47049.0x
Mg 279.078	3749.47	3674.36	3603.54
Mn 257.610	5.8263	5.6700	5.5167
Mo 202.032	4.3821	2.6410	3.8002
Na 330.237	3945564x	3890592x	3754749x
Ni 231.604	17.5161	16.4619	16.7576
Pb 220.353	1.6232	1.2758	1.9732
Sb 206.834	0.4614	1.1124	-2.1099u
Se 196.026	13.2414	17.9365	11.9366
Sn 189.925	-1.6798u	-2.6454u	-4.9028u
Sr 216.596	61.6602	60.1409	58.1615
Ti 334.941	33.0485	32.2441	31.4733
Tl 190.794	-1.5799u	0.2753u	-4.2107u
V 292.401	16.1790	15.6082	15.1490
Zn 206.200	33.6845	29.9431	32.8885

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1008b	ppb	0.0625	62.0	-3.8239
Al 308.215	72.8656b	ppb	1.7598	2.4	893.885
As 188.980	18.8777b	ppb	2.2636	12.0	8.8635
B 249.678	13.8957b	ppb	0.2336	1.7	289.747
Ba 389.178	11.5260b	ppb	0.6719	5.8	246.282
Be 313.042	0.2229b	ppb	0.0048	2.2	-356.406
Ca 370.602	653.3b	ppb	12.02	1.8	2017
Cd 226.502	0.5371b	ppb	0.0222	4.1	53.9581
Co 228.615	1.7055b	ppb	0.3603	21.1	20.2100
Cr 267.716	2.5370b	ppb	0.1157	4.6	260.061
Cu 324.754	24.8335b	ppb	0.6641	2.7	2093.12
Fe 271.441	6222.43b	ppb	124.283	2.0	10511.3
K 766.491	48729.3xb	ppb	1542.27	3.2	2350249
Mg 279.078	3675.79b	ppb	72.9773	2.0	10704.0
Mn 257.610	5.6710b	ppb	0.1548	2.7	1457.62
Mo 202.032	3.6078b	ppb	0.8864	24.6	30.2241
Na 330.237	3863635xb	ppb	98222.3	2.5	212388
Ni 231.604	16.9119b	ppb	0.5438	3.2	50.4851
Pb 220.353	1.6241b	ppb	0.3487	21.5	15.7162
Sb 206.834	-0.1787b	ppb	1.7039	953.6	-4.0958
Se 196.026	14.3715b	ppb	3.1556	22.0	14.0503
Sn 189.925	-3.0760b	ppb	1.6541	53.8	-7.1964
Sr 216.596	59.9875b	ppb	1.7544	2.9	738.808
Ti 334.941	32.2553b	ppb	0.7876	2.4	10203.5
Tl 190.794	-1.8385b	ppb	2.2541	122.6	-11.9426
V 292.401	15.6454b	ppb	0.5160	3.3	423.892
Zn 206.200	32.1720b	ppb	1.9709	6.1	34.2889

680-109556-c-1-a^10 (Samp) **2/5/2015, 10:40:33 AM** **Rack 1, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	0.3160	0.1402	-0.0301u
Al 308.215	12.7965	11.7419	13.4410
As 188.980	7.4634	0.2295	3.9546
B 249.678	1414.19	1402.30	1387.52
Ba 389.178	37.3241	36.7461	36.9226
Be 313.042	-0.0004u	0.0006u	-0.0017u
Ca 370.602	9067	8936	8773
Cd 226.502	0.1011	0.0210	-0.0751u
Co 228.615	2.8227	2.4627	2.9463
Cr 267.716	4.9624	4.9050	4.7466
Cu 324.754	0.4009	0.2337	0.3468
Fe 271.441	185.581	188.259	184.995
K 766.491	30103.8	29765.7	29300.5
Mg 279.078	7229.84	7126.00	7024.06
Mn 257.610	29.4101	28.9969	28.5373
Mo 202.032	0.2231	0.1850	0.4361
Na 330.237	122880x	120320x	119180x
Ni 231.604	8.4901	8.2339	7.6604
Pb 220.353	1.4888	0.0114	-2.3117u
Sb 206.834	2.3454	3.7617	0.9487
Se 196.026	5.2391	4.4006	0.8379
Sn 189.925	2.2982	0.6112	0.4960
Sr 216.596	60.7952	60.4520	60.4276
Ti 334.941	3.3817	3.3824	3.3227
Tl 190.794	-0.1515u	2.3735	1.4427
V 292.401	6.0134	5.9929	5.9683
Zn 206.200	1.9059	1.8607	3.5406

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1421b	ppb	0.1731	121.8	1.1524
Al 308.215	12.6598b	ppb	0.8578	6.8	423.694
As 188.980	3.8825b	ppb	3.6175	93.2	-1.5364
B 249.678	1401.33b	ppb	13.3603	1.0	26632.5
Ba 389.178	36.9976b	ppb	0.2962	0.8	863.881
Be 313.042	-0.0005b	ppb	0.0011	229.0	-351.056
Ca 370.602	8925b	ppb	147.0	1.6	28120
Cd 226.502	0.0157b	ppb	0.0882	562.8	25.2588
Co 228.615	2.7439b	ppb	0.2512	9.2	31.4575
Cr 267.716	4.8714b	ppb	0.1118	2.3	313.643
Cu 324.754	0.3271b	ppb	0.0853	26.1	213.633
Fe 271.441	186.279b	ppb	1.7403	0.9	320.813
K 766.491	29723.3b	ppb	403.290	1.4	1433705
Mg 279.078	7126.63b	ppb	102.892	1.4	20735.3
Mn 257.610	28.9814b	ppb	0.4366	1.5	7087.76
Mo 202.032	0.2814b	ppb	0.1353	48.1	7.5692
Na 330.237	120793xb	ppb	1895.23	1.6	6666.97
Ni 231.604	8.1281b	ppb	0.4249	5.2	21.3497
Pb 220.353	-0.2705b	ppb	1.9159	708.2	12.2892
Sb 206.834	2.3520b	ppb	1.4065	59.8	-0.5288
Se 196.026	3.4925b	ppb	2.3369	66.9	8.7565
Sn 189.925	1.1351b	ppb	1.0089	88.9	-5.1785
Sr 216.596	60.5583b	ppb	0.2055	0.3	741.419

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ti 334.941	3.3623b	ppb	0.0343	1.0	1066.67
Tl 190.794	1.2216b	ppb	1.2769	104.5	-7.4597
V 292.401	5.9915b	ppb	0.0226	0.4	166.784
Zn 206.200	2.4357b	ppb	0.9571	39.3	2.9420

460-89822-g-1-dPDS (Samp) **2/5/2015, 10:45:08 AM** **Rack 1, Tube 8**

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

Label	Replicates Concentration		
Ag 328.068	83.7366	82.5522	80.9596
Al 308.215	969.264	950.773	922.141
As 188.980	101.523	99.2428	88.5678
B 249.678	203.654	199.571	193.001
Ba 389.178	86.4688	84.3293	80.6261
Be 313.042	97.9420	95.8488	92.9495
Ca 370.602	9452	9259	8937
Cd 226.502	97.9315	95.3944	91.9586
Co 228.615	98.5537	95.8561	93.1911
Cr 267.716	98.9117	96.3988	93.1032
Cu 324.754	99.0792	97.3992	95.1154
Fe 271.441	9630.06	9437.39	9141.84
K 766.491	10839.0	10667.9	10406.5
Mg 279.078	10112.2	9879.07	9586.72
Mn 257.610	1035.68	1013.80	981.754
Mo 202.032	89.0507	88.7185	87.2897
Na 330.237	9156.95	9120.31	8834.48
Ni 231.604	98.3314	97.1749	94.1115
Pb 220.353	99.7647	96.0801	95.6492
Sb 206.834	54.6549	57.8122	60.4932
Se 196.026	105.216	92.8470	86.5169
Sn 189.925	76.8770	81.8611	80.0258
Sr 216.596	96.6168	92.9491	90.0737
Ti 334.941	92.2526	90.8563	88.3526
Tl 190.794	24.2875	19.1276	20.3278
V 292.401	101.446	99.9027	96.7313
Zn 206.200	100.257	98.1166	95.5651

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	82.4161	ppb	1.3935	1.7	7676.83
Al 308.215	947.393	ppb	23.7429	2.5	7707.04
As 188.980	96.4446	ppb	6.9161	7.2	62.8330
B 249.678	198.742	ppb	5.3747	2.7	3789.50
Ba 389.178	83.8081	ppb	2.9560	3.5	2008.40
Be 313.042	95.5801	ppb	2.5071	2.6	188715
Ca 370.602	9216	ppb	260.2	2.8	29000
Cd 226.502	95.0948	ppb	2.9977	3.2	4438.07
Co 228.615	95.8669	ppb	2.6813	2.8	1125.60
Cr 267.716	96.1379	ppb	2.9130	3.0	5570.08
Cu 324.754	97.1980	ppb	1.9895	2.0	7638.66
Fe 271.441	9403.10	ppb	245.909	2.6	15893.5
K 766.491	10637.8	ppb	217.799	2.0	513326
Mg 279.078	9859.32	ppb	263.281	2.7	28657.5
Mn 257.610	1010.41	ppb	27.1232	2.7	242905
Mo 202.032	88.3530	ppb	0.9357	1.1	614.756

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Na 330.237	9037.25	ppb	176.553	2.0	519.518
Ni 231.604	96.5393	ppb	2.1806	2.3	309.687
Pb 220.353	97.1647	ppb	2.2620	2.3	169.327
Sb 206.834	57.6534	ppb	2.9224	5.1	78.2235
Se 196.026	94.8601	ppb	9.5109	10.0	53.1010
Sn 189.925	79.5880	ppb	2.5207	3.2	54.4442
Sr 216.596	93.2132	ppb	3.2795	3.5	1146.85
Ti 334.941	90.4872	ppb	1.9761	2.2	29656.5
Tl 190.794	21.2476	ppb	2.7001	12.7	14.4551
V 292.401	99.3601	ppb	2.4039	2.4	2963.90
Zn 206.200	97.9795	ppb	2.3488	2.4	103.826

680-109497-e-4-aPDS (Samp) **2/5/2015, 10:49:43 AM** **Rack 1, Tube 9**

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

Label	Replicates Concentration		
Ag 328.068	84.4547	80.8449	79.5835
Al 308.215	101945	101711	102010
As 188.980	387.157	385.803	394.228
B 249.678	211.070	205.134	201.457
Ba 389.178	283.923	281.244	280.416
Be 313.042	103.499	100.402	98.6982
Ca 370.602	21276	21006	20942
Cd 226.502	90.3767	87.9222	86.8289
Co 228.615	177.919	174.577	174.226
Cr 267.716	363.909	361.058	361.139
Cu 324.754	283.803	280.635	276.731
Fe 271.441	368616	368489	371340
K 766.491	15265.7	14972.6	14696.2
Mg 279.078	12077.8	11781.4	11625.9
Mn 257.610	9214.03	9236.39	9212.04
Mo 202.032	103.225	100.179	98.4101
Na 330.237	9471.61	9102.81	9224.80
Ni 231.604	129.992	128.155	127.838
Pb 220.353	231.269	226.205	226.800
Sb 206.834	101.324	97.8007	98.6168
Se 196.026	86.2090	87.7326	87.6985
Sn 189.925	114.238	110.829	103.830
Sr 216.596	131.385	128.700	126.726
Ti 334.941	3479.55	3461.83	3475.25
Tl 190.794	21.1517u	18.9251u	21.7765u
V 292.401	575.114	572.398	571.249
Zn 206.200	223.031	222.224	225.646

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	81.6277	ppb	2.5282	3.1	7581.45
Al 308.215	101889	ppb	157.502	0.2	792499
As 188.980	389.063	ppb	4.5238	1.2	264.124
B 249.678	205.887	ppb	4.8507	2.4	2972.05
Ba 389.178	281.861	ppb	1.8331	0.7	7095.74
Be 313.042	100.866	ppb	2.4339	2.4	199195
Ca 370.602	21074	ppb	177.2	0.8	64103
Cd 226.502	88.3759	ppb	1.8169	2.1	5907.98
Co 228.615	175.574	ppb	2.0384	1.2	2161.95

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Cr 267.716	362.035	ppb	1.6228	0.4	21098.2
Cu 324.754	280.390	ppb	3.5425	1.3	21824.8
Fe 271.441	369482	ppb	1610.44	0.4	623813
K 766.491	14978.2	ppb	284.772	1.9	722635
Mg 279.078	11828.4	ppb	229.578	1.9	34161.0
Mn 257.610	9220.82	ppb	13.5226	0.1	2216458
Mo 202.032	100.605	ppb	2.4355	2.4	681.556
Na 330.237	9266.41	ppb	187.887	2.0	431.186
Ni 231.604	128.662	ppb	1.1633	0.9	446.537
Pb 220.353	228.091	ppb	2.7683	1.2	402.666
Sb 206.834	99.2471	ppb	1.8443	1.9	147.454
Se 196.026	87.2134	ppb	0.8700	1.0	54.8073
Sn 189.925	109.632	ppb	5.3059	4.8	77.2901
Sr 216.596	128.937	ppb	2.3383	1.8	2059.68
Ti 334.941	3472.21	ppb	9.2432	0.3	1138771
Tl 190.794	20.6178	ppb	1.4988	7.3	-39.7818
V 292.401	572.920	ppb	1.9843	0.3	17147.0
Zn 206.200	223.634	ppb	1.7891	0.8	224.141

X (Samp) **2/5/2015, 10:54:18 AM** **Rack 1, Tube 10**

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

Label	Replicates Concentration		
Ag 328.068	9.6994	9.8146	10.0843
Al 308.215	196.476	198.551	196.567
As 188.980	19.9002	18.6637	19.2689
B 249.678	102.776	103.916	103.496
Ba 389.178	9.5094	9.8481	9.4715
Be 313.042	4.1510	4.1816	4.1542
Ca 370.602	479.7	478.4	472.3
Cd 226.502	4.8796	4.7940	4.9601
Co 228.615	9.8756	9.4848	9.4174
Cr 267.716	9.6213	9.6991	9.6391
Cu 324.754	20.9521	20.8850	20.6969
Fe 271.441	57.7502	56.8448	56.8595
K 766.491	1079.61	1094.04	1086.36
Mg 279.078	514.528	520.141	519.673
Mn 257.610	10.8759	10.9239	10.8031
Mo 202.032	9.8853	9.8714	9.4976
Na 330.237	1141.13	1014.53	1033.33
Ni 231.604	40.2864	39.4590	39.4029
Pb 220.353	9.3648	9.3232	7.1126
Sb 206.834	20.1456	20.8031	21.5117
Se 196.026	19.2926	20.7240	17.4494
Sn 189.925	52.9577	47.7258	48.3964
Sr 216.596	9.5812	9.6600	9.1114
Ti 334.941	10.0523	10.0815	9.9540
Tl 190.794	22.1524	25.6722	20.2195
V 292.401	10.5446	10.5310	10.9916
Zn 206.200	20.7515	20.9870	22.6353

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.8661	ppb	0.1976	2.0	910.035
Al 308.215	197.198	ppb	1.1724	0.6	1859.13

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	19.2776	ppb	0.6183	3.2	9.1827
B 249.678	103.396	ppb	0.5768	0.6	2004.49
Ba 389.178	9.6096	ppb	0.2074	2.2	187.693
Be 313.042	4.1623	ppb	0.0168	0.4	7894.31
Ca 370.602	476.8	ppb	3.967	0.8	1522
Cd 226.502	4.8779	ppb	0.0831	1.7	248.596
Co 228.615	9.5926	ppb	0.2474	2.6	111.735
Cr 267.716	9.6532	ppb	0.0408	0.4	586.023
Cu 324.754	20.8446	ppb	0.1323	0.6	1785.17
Fe 271.441	57.1515	ppb	0.5186	0.9	103.711
K 766.491	1086.67	ppb	7.2195	0.7	52732.0
Mg 279.078	518.114	ppb	3.1143	0.6	1524.40
Mn 257.610	10.8676	ppb	0.0608	0.6	2679.50
Mo 202.032	9.7514	ppb	0.2199	2.3	72.9173
Na 330.237	1063.00	ppb	68.3144	6.4	85.6167
Ni 231.604	39.7161	ppb	0.4947	1.2	124.128
Pb 220.353	8.6002	ppb	1.2885	15.0	26.4921
Sb 206.834	20.8202	ppb	0.6832	3.3	25.7026
Se 196.026	19.1554	ppb	1.6416	8.6	16.2976
Sn 189.925	49.6933	ppb	2.8469	5.7	31.7088
Sr 216.596	9.4509	ppb	0.2966	3.1	116.090
Ti 334.941	10.0293	ppb	0.0668	0.7	3250.44
Tl 190.794	22.6814	ppb	2.7646	12.2	16.9764
V 292.401	10.6891	ppb	0.2621	2.5	307.492
Zn 206.200	21.4579	ppb	1.0264	4.8	23.1223

CRI (Samp) **2/5/2015, 10:58:54 AM** **Rack 1, Tube 11**

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

Label	Replicates Concentration		
Ag 328.068	9.8166	9.9606	9.6073
Al 308.215	196.636	194.630	197.901
As 188.980	15.3591	18.3906	16.5921
B 249.678	102.497	102.475	102.964
Ba 389.178	9.5144	9.7914	9.9016
Be 313.042	4.1391	4.1308	4.1580
Ca 370.602	475.3	471.9	477.6
Cd 226.502	5.0520	4.8292	4.8849
Co 228.615	9.9833	9.1578	9.9058
Cr 267.716	9.5722	9.6706	9.6130
Cu 324.754	20.8152	20.7804	20.9043
Fe 271.441	53.4755	53.7629	48.2376
K 766.491	1074.26	1071.71	1082.14
Mg 279.078	512.708	514.274	513.035
Mn 257.610	10.6066	10.6475	10.6691
Mo 202.032	9.1504	9.3314	9.4872
Na 330.237	965.184	1020.91	1069.20
Ni 231.604	40.6398	37.7692	41.0190
Pb 220.353	7.6545	9.6586	11.1818
Sb 206.834	19.2241	21.0011	22.8227
Se 196.026	20.3217	23.4368	22.7214
Sn 189.925	50.0544	47.4896	49.8017
Sr 216.596	9.9223	9.6510	8.9165
Ti 334.941	9.4990	9.5429	9.5751

Label	Replicates Concentration		
Tl 190.794	22.2104	26.3097	22.4308
V 292.401	10.5628	10.9529	10.4379
Zn 206.200	22.5027	21.2425	21.5724

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.7949	ppb	0.1776	1.8	903.383
Al 308.215	196.389	ppb	1.6493	0.8	1852.82
As 188.980	16.7806	ppb	1.5245	9.1	7.4439
B 249.678	102.645	ppb	0.2760	0.3	1990.29
Ba 389.178	9.7358	ppb	0.1995	2.0	190.726
Be 313.042	4.1427	ppb	0.0139	0.3	7855.58
Ca 370.602	474.9	ppb	2.859	0.6	1516
Cd 226.502	4.9221	ppb	0.1159	2.4	250.606
Co 228.615	9.6823	ppb	0.4559	4.7	112.785
Cr 267.716	9.6186	ppb	0.0494	0.5	584.026
Cu 324.754	20.8333	ppb	0.0639	0.3	1784.29
Fe 271.441	51.8253	ppb	3.1104	6.0	94.7398
K 766.491	1076.04	ppb	5.4357	0.5	52219.4
Mg 279.078	513.339	ppb	0.8260	0.2	1510.52
Mn 257.610	10.6411	ppb	0.0317	0.3	2625.04
Mo 202.032	9.3230	ppb	0.1685	1.8	69.9612
Na 330.237	1018.43	ppb	52.0513	5.1	83.1565
Ni 231.604	39.8093	ppb	1.7769	4.5	124.430
Pb 220.353	9.4983	ppb	1.7691	18.6	27.9336
Sb 206.834	21.0160	ppb	1.7994	8.6	25.9863
Se 196.026	22.1599	ppb	1.6317	7.4	17.7452
Sn 189.925	49.1152	ppb	1.4135	2.9	31.2691
Sr 216.596	9.4966	ppb	0.5204	5.5	116.644
Ti 334.941	9.5390	ppb	0.0382	0.4	3089.66
Tl 190.794	23.6503	ppb	2.3057	9.7	18.0815
V 292.401	10.6512	ppb	0.2687	2.5	306.416
Zn 206.200	21.7725	ppb	0.6535	3.0	23.4564

Cont Calib Verif (CCV) **2/5/2015, 11:03:28 AM** **Rack 1, Tube 13**

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

Label	Replicates Concentration		
Ag 328.068	455.596	456.107	454.263
Al 308.215	4648.94	4651.45	4628.61
As 188.980	468.403	466.045	474.422
B 249.678	477.916	478.371	479.135
Ba 389.178	4450.34	4434.90	4429.52
Be 313.042	483.179	480.165	480.097
Ca 370.602	4486	4494	4494
Cd 226.502	465.380	465.272	464.453
Co 228.615	476.052	476.641	474.163
Cr 267.716	4731.33	4725.30	4718.36
Cu 324.754	4831.16	4864.99	4902.71
Fe 271.441	4588.73	4569.73	4554.26
K 766.491	10156.1	10168.5	10044.3
Mg 279.078	4831.43	4836.17	4809.47
Mn 257.610	4865.93	4856.35	4822.30
Mo 202.032	457.589	455.274	454.825
Na 330.237	7666.71	7682.82	7658.24

Label	Replicates Concentration		
Ni 231.604	2397.76	2405.84	2395.08
Pb 220.353	471.587	471.541	467.669
Sb 206.834	898.832	911.678	899.700
Se 196.026	4809.62	4798.41	4765.69
Sn 189.925	4630.52	4641.04	4627.04
Sr 216.596	2292.02	2288.88	2282.52
Ti 334.941	439.348	437.487	435.581
Tl 190.794	4659.25	4666.46	4676.93
V 292.401	4721.20	4716.42	4695.73
Zn 206.200	2364.38	2353.01	2358.04

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	455.322	ppb	0.9520	0.2	42407.2	91.06438
Al 308.215	4643.00	ppb	12.5241	0.3	37149.7	92.86000
As 188.980	469.623	ppb	4.3201	0.9	322.634	93.92469
B 249.678	478.474	ppb	0.6161	0.1	9124.55	95.69481
Ba 389.178	4438.26	ppb	10.8073	0.2	107112	88.76511Q
Be 313.042	481.147	ppb	1.7597	0.4	951585	96.22944
Ca 370.602	4491	ppb	4.411	0.1	14500	89.82662Q
Cd 226.502	465.035	ppb	0.5069	0.1	21402.8	93.00700
Co 228.615	475.618	ppb	1.2947	0.3	5591.26	95.12370
Cr 267.716	4725.00	ppb	6.4947	0.1	271850	94.49996
Cu 324.754	4866.29	ppb	35.7950	0.7	372806	97.32578
Fe 271.441	4570.90	ppb	17.2648	0.4	7824.29	91.41808
K 766.491	10123.0	ppb	68.4300	0.7	488499	101.22989
Mg 279.078	4825.69	ppb	14.2465	0.3	13939.2	96.51382
Mn 257.610	4848.19	ppb	22.9298	0.5	1164773	96.96386
Mo 202.032	455.896	ppb	1.4829	0.3	3146.10	91.17921
Na 330.237	7669.26	ppb	12.4850	0.2	390.840	102.25677
Ni 231.604	2399.56	ppb	5.6004	0.2	7803.79	95.98235
Pb 220.353	470.266	ppb	2.2489	0.5	771.474	94.05312
Sb 206.834	903.403	ppb	7.1795	0.8	1338.82	90.34034
Se 196.026	4791.24	ppb	22.8292	0.5	2316.79	95.82482
Sn 189.925	4632.87	ppb	7.2903	0.2	3516.90	92.65736
Sr 216.596	2287.81	ppb	4.8386	0.2	27725.7	91.51231
Ti 334.941	437.472	ppb	1.8832	0.4	143442	87.49442Q
Tl 190.794	4667.55	ppb	8.8873	0.2	5314.47	93.35098
V 292.401	4711.11	ppb	13.5366	0.3	142128	94.22230
Zn 206.200	2358.48	ppb	5.7000	0.2	2493.49	94.33907

Cont Calib Blank (CCB) **2/5/2015, 11:08:02 AM** **Rack 1, Tube 14**

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

Label	Replicates Concentration		
Ag 328.068	0.0643	-0.1146u	-0.0154u
Al 308.215	2.2410	0.9856	-0.2671u
As 188.980	0.4608	1.0614	-1.3941u
B 249.678	4.1632	3.4399	3.2918
Ba 389.178	0.3757	-0.0803u	0.2386
Be 313.042	0.0011	0.0062	0.0046
Ca 370.602	-0.7137u	-0.8709u	-4.250u
Cd 226.502	-0.0745u	-0.0274u	0.0432
Co 228.615	0.1464	-0.2631u	0.2344
Cr 267.716	-0.2759u	-0.1926u	-0.2570u

Label	Replicates Concentration		
Cu 324.754	0.1888	0.1192	0.4618
Fe 271.441	3.1289	1.8579	-0.5654u
K 766.491	2.8928	1.9424	2.2971
Mg 279.078	2.1481	2.0478	1.7480
Mn 257.610	0.1313	0.0731	0.1187
Mo 202.032	0.0679	0.2740	0.9276
Na 330.237	61.6366	-16.5799u	25.4019
Ni 231.604	-1.2635u	0.0990	0.2066
Pb 220.353	-0.6105u	-1.6173u	0.7790
Sb 206.834	5.9043	5.9819	7.2708
Se 196.026	-1.8579u	-2.5629u	1.3867
Sn 189.925	-0.0235u	2.2402	2.8023
Sr 216.596	0.2307	-0.0090u	0.5287
Ti 334.941	0.1697	0.1677	0.1280
Tl 190.794	2.1589	4.3775	2.0661
V 292.401	0.1965	0.1984	0.1800
Zn 206.200	1.6537	0.3519	0.7580

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0219	ppb	0.0897	409.6	-11.8582	-0.02189
Al 308.215	0.9865	ppb	1.2540	127.1	332.068	0.98649
As 188.980	0.0427	ppb	1.2800	2996.4	-4.2092	0.04272
B 249.678	3.6316	ppb	0.4663	12.8	111.341	3.63160
Ba 389.178	0.1780	ppb	0.2340	131.5	-41.2624	0.17798
Be 313.042	0.0040	ppb	0.0026	64.9	-329.993	0.00396
Ca 370.602	-1.945	ppb	1.998	102.7	9.450	-1.94488
Cd 226.502	-0.0196	ppb	0.0592	302.3	23.4253	-0.01959
Co 228.615	0.0392	ppb	0.2655	677.3	-0.4364	0.03920
Cr 267.716	-0.2418	ppb	0.0437	18.1	16.7628	-0.24183
Cu 324.754	0.2566	ppb	0.1811	70.6	208.239	0.25659
Fe 271.441	1.4738	ppb	1.8768	127.3	8.4340	1.47381
K 766.491	2.3774	ppb	0.4803	20.2	443.219	2.37745
Mg 279.078	1.9813	ppb	0.2082	10.5	24.2968	1.98132
Mn 257.610	0.1077	ppb	0.0306	28.4	90.0605	0.10770
Mo 202.032	0.4232	ppb	0.4488	106.1	8.5627	0.42315
Na 330.237	23.4862	ppb	39.1434	166.7	28.9867	23.48621
Ni 231.604	-0.3193	ppb	0.8195	256.6	-6.1534	-0.31931
Pb 220.353	-0.4829	ppb	1.2032	249.2	11.9279	-0.48293
Sb 206.834	6.3857	ppb	0.7676	12.0	5.1479	6.38565
Se 196.026	-1.0113	ppb	2.1065	208.3	6.5777	-1.01134
Sn 189.925	1.6730	ppb	1.4959	89.4	-4.8077	1.67299
Sr 216.596	0.2501	ppb	0.2694	107.7	5.3086	0.25012
Ti 334.941	0.1551	ppb	0.0235	15.2	11.1875	0.15513
Tl 190.794	2.8675	ppb	1.3085	45.6	-5.5891	2.86751
V 292.401	0.1916	ppb	0.0101	5.3	-7.4180	0.19161
Zn 206.200	0.9212	ppb	0.6661	72.3	1.3515	0.92118

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Batch Number: 369174 Batch Start Date: 02/02/15 09:32 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 02/02/15 14:31

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS_Ag_LCS_SPK 00031	MS_LCS1_WK 00017	MS_LCS2_wk 00171
MB 680-369174/1		3050B, 6010C		CALC NOT SET TO RUN	1.04 g	100 mL			
LCS 680-369174/2		3050B, 6010C		CALC NOT SET TO RUN	1.04 g	100 mL	1 mL	1 mL	1 mL
680-109515-B-6 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL	1 mL	1 mL	1 mL
680-109515-B-6 MSD		3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	100 mL	1 mL	1 mL	1 mL
680-109515-A-16	CV0627B-GS12"	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-109515-A-17	CV0627B-GS18"	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL			
680-109515-A-18	CV0627B-GS24"	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL			
680-109515-A-19	CV0627B-CS0-4"	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-109515-B-20	HP0320C-CS6"	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-109515-B-21	HP0320C-CS12"	3050B, 6010C	T	CALC NOT SET TO RUN	1.17 g	100 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Batch Number: 369174 Batch Start Date: 02/02/15 09:32 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 02/02/15 14:31

Batch Notes	
Analyst	CRW
Balance ID	ME 25
Blank Soil Lot Number	3818263
Hydrogen peroxide lot number	3886882
Lot # of hydrochloric acid	3899707
Lot # of Nitric Acid	3924611
Hood ID or number	FH8
Hot Block ID number	10
Nominal Amount Used	1 g
Oven, Bath or Block Temperature 1	99 Degrees C
Oven, Bath or Block Temperature 2	98 Degrees C
Pipette ID	ME16
Perform Calculation (0=No, 1=Yes)	0
ID number of the thermometer	ME Prep 15
Digestion Tube/Cup Lot #	3918730
Uncorrected Temperature	97 Celsius
Uncorrected Temperature 2	96 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Batch Number: 369204 Batch Start Date: 02/02/15 10:06 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 02/02/15 16:18

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS_Ag_LCS_SPK 00031	MS_LCS1_WK 00017	MS_LCS2_wk 00171
MB 680-369204/1		3050B, 6010C		CALC NOT SET TO RUN	1.13 g	100 mL			
LCS 680-369204/2		3050B, 6010C		CALC NOT SET TO RUN	1.07 g	100 mL	1 mL	1 mL	1 mL
680-109515-B-15	CV0627B-GS6"	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL			
680-109515-B-15 MS	CV0627B-GS6"	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL	1 mL	1 mL	1 mL
680-109515-B-15 MSD	CV0627B-GS6"	3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL	1 mL	1 mL	1 mL
680-109515-A-22	HP0320C-CS18"	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-109515-B-23	HP0320C-CS24"	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-109515-B-24	HP0320E-CS6"	3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	100 mL			
680-109515-A-25	HP0320E-GS12"	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL			
680-109515-B-26	HP0320E-GS18"	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			
680-109515-A-27	HP0320E-GS24"	3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	100 mL			
680-109515-B-28	HP0320K-CS6"	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			
680-109515-B-29	HP0320K-CS12"	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-109515-B-30	HP0320K-GS18"	3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL			
680-109515-A-31	HP0320K-GS24"	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-109515-A-32	HP0320J-CS6"	3050B, 6010C	T	CALC NOT SET TO RUN	1.17 g	100 mL			
680-109515-B-33	HP0320J-CS12"	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL			
680-109515-A-34	HP0320J-GS18"	3050B, 6010C	T	CALC NOT SET TO RUN	1.10 g	100 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-109515-2

SDG No.: 680-109515-02

Batch Number: 369204 Batch Start Date: 02/02/15 10:06 Batch Analyst: West, Ryan

Batch Method: 3050B Batch End Date: 02/02/15 16:18

Batch Notes	
Analyst	CRW
Balance ID	ME 25
Blank Soil Lot Number	3818263
Hydrogen peroxide lot number	3886882
Lot # of hydrochloric acid	3899707
Lot # of Nitric Acid	3924611
Hood ID or number	FH8
Hot Block ID number	9
Nominal Amount Used	1 g
Oven, Bath or Block Temperature 1	98 Degrees C
Oven, Bath or Block Temperature 2	97 Degrees C
Pipette ID	ME16
Perform Calculation (0=No, 1=Yes)	0
ID number of the thermometer	ME Prep 15
Digestion Tube/Cup Lot #	3918730
Uncorrected Temperature	96 Celsius
Uncorrected Temperature 2	95 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Serial Number 91504

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
CLIENT NAME	CLIENT E-MAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable)		

Same as page #1

PAGE 2 OF 6

STANDARD REPORT DELIVERY ☒

DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	L.L. PAH	Al, As, Fe, Pb									REMARKS
1/26/15	1530	CV0511AB2-GS24	G					X	X									
" "	1515	CV0511AB2-CS04"	C					X	X									
1/27/15	0905	CV0627B-GS6	G					X	X									MS/MSD
	0910	CV0627B-GS12	G					X	X									
	0915	CV0627B-GS18	G					X	X									
	0920	CV0627B-GS24	G					X	X									
	0915	CV0627B-CS04"	C					X	X									
	1005	HP0320C-CS6	C					X	X									
	1010	HP0320C-CS12	C					X	X									
	1015	HP0320C-CS18	C					X	X									
	1020	HP0320C-CS24	C					X	X									
1/27/15	1120	HP0320E-CS6	C					X	X									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	1/30/15	1200						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
SB Anda	01-31-15	0852	YES ○ NO ○		680 109515	24/1.6 (CF) 21/1.3°C

TAL8240-680 (1008)

Serial Number 91503

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: Same as # 1	CLIENT PHONE	CLIENT FAX
CLIENT NAME	CLIENT E-MAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 3 OF 6

STANDARD REPORT DELIVERY ✓

DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE)

DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: L.L. PAH; Al, As, Fe, Pb

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	L.L. PAH	Al, As, Fe, Pb	REMARKS
1/27/15	1125	HP0320E - GS12	G	X	X	
	1130	HP0320E - GS18	G	X	X	
	1135	HP0320E - GS24	G	X	X	
	1315	HP0320K - CS6	C	X	X	
	1320	HP0320K - CS12	C	X	X	
	1325	HP0320K - GS18	G	X	X	
	1330	HP0320K - GS24	G	X	X	
	1410	HP0320J - CS6	C	X	X	
	1415	HP0320J - CS12	C	X	X	
	1420	HP0320J - GS18	G	X	X	
1/27/15	1425	HP0320J - GS24	G	X	X	
1/28/15	0900	HP0332A - CS6	C	X	X	

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	1/30/15	1200						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
D Banda	01-31-15	0852	YES ○ NO ○		680 109515	2.4/1.6(CF) 2.1/1.3°C

TAL8240-680 (1008)

02/12/2015

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-109515-2
SDG Number: 680-109515-02

Login Number: 109515
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	