ANALYTICAL REPORT

Job Number: 680-85785-5

SDG Number: 68085785-5

Job Description: 35th Avenue Superfund Site

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

Attention: Ms. Limari F Krebs

Approved for release.
Bernard Kirkland
Project Manager I
12/26/2012 4:28 PM

Designee for
Lisa Harvey
Project Manager II
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12/26/2012

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CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-85785-5

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 some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 12/14/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 5.2º C and 5.6º C.

PESTICIDES AND PCBS
Sample CV0705C-GS (680-85785-24) was analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 12/18/2012 and analyzed on 12/21/2012.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

DCB Decachlorobiphenyl recovered outside the surrogate recovery criteria for CV0705C-GS (680-85785-24).

No difficulties were encountered during the Pesticides and PCBs analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP)
Samples HP0019C-CS (680-85785-8), HP0241A-CS-SP (680-85785-10), CV0507A-CS-SP (680-85785-15), CV0511AB-GS (680-85785-29), CV0511S-CS (680-85785-52), HP0019C-CS (sieve) (680-85785-65), HP0241A-CS-SP (sieve) (680-85785-66), CV0507A-CS-SP (sieve) (680-85785-67), CV0511AB-GS (sieve) (680-85785-68) and CV0511S-CS (sieve) (680-85785-69) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 12/17/2012 and 12/18/2012 and analyzed on 12/21/2012.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample HP0019C-CSMSD (680-85785-8) in batch 680-260674, CV0511AB-GS (680-85785-29) in batch 680-260674, and CV0511S-CSMSD (680-85785-52) in batch 680-260674 .

Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples HP0019C-CS (680-85785-8), HP0241A-CS-SP (680-85785-10), CV0507A-CS-SP (680-85785-15), CV0511AB-GS (680-85785-29), CV0511S-CS (680-85785-52), HP0019C-CS (sieve) (680-85785-65), HP0241A-CS-SP (sieve) (680-85785-66), CV0507A-CS-SP (sieve) (680-85785-67), CV0511AB-GS (sieve) (680-85785-68) and CV0511S-CS (sieve) (680-85785-69) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 12/17/2012.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM
Samples HP0019C-CS (680-85785-8) and HP0019C-CS (sieve) (680-85785-65) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 3060A/7196A. The samples were prepared on 12/19/2012 and analyzed on 12/20/2012.

Chromium, hexavalent recovered outside the recovery criteria low for the MS of sample HP0019C-CSMS (680-85785-8) in batch 680-260599.

Refer to the QC report for details.

Sample HP0019C-CS (680-85785-8)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85785-5
Sdg Number: 68085785-5

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-85785-8	HP0019C-CS	Solid	12/12/2012 1112	12/14/2012 1151
680-85785-8MS	HP0019C-CS	Solid	12/12/2012 1112	12/14/2012 1151
680-85785-8MSD	HP0019C-CS	Solid	12/12/2012 1112	12/14/2012 1151
680-85785-10	HP0241A-CS-SP	Solid	12/12/2012 1139	12/14/2012 1151
680-85785-15	CV0507A-CS-SP	Solid	12/12/2012 1000	12/14/2012 1151
680-85785-24	CV0705C-GS	Solid	12/12/2012 1456	12/14/2012 1151
680-85785-29	CV0511AB-GS	Solid	12/12/2012 1124	12/14/2012 1151
680-85785-29MS	CV0511AB-GS	Solid	12/12/2012 1124	12/14/2012 1151
680-85785-29MSD	CV0511AB-GS	Solid	12/12/2012 1124	12/14/2012 1151
680-85785-52	CV0511S-CS	Solid	12/12/2012 1400	12/14/2012 1151
680-85785-52MS	CV0511S-CS	Solid	12/12/2012 1400	12/14/2012 1151
680-85785-52MSD	CV0511S-CS	Solid	12/12/2012 1400	12/14/2012 1151
680-85785-65	HP0019C-CS (sieve)	Solid	12/12/2012 1112	12/14/2012 1151
680-85785-66	HP0241A-CS-SP (sieve)	Solid	12/12/2012 1139	12/14/2012 1151
680-85785-67	CV0507A-CS-SP (sieve)	Solid	12/12/2012 1000	12/14/2012 1151
680-85785-68	CV0511AB-GS (sieve)	Solid	12/12/2012 1124	12/14/2012 1151
680-85785-69	CV0511S-CS (sieve)	Solid	12/12/2012 1400	12/14/2012 1151

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85785-5
Sdg Number: 68085785-5

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	TAL SAV	SW846 8081B/8082A	
Microwave Extraction	TAL SAV		SW846 3546
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Chromium, Hexavalent	TAL SAV	SW846 7196A	
Alkaline Digestion (Chromium, Hexavalent)	TAL SAV		SW846 3060A
Percent Moisture	TAL SAV	EPA Moisture	
Mercury (CVAA)	TAL TAM	SW846 7471A	
Preparation, Mercury	TAL TAM		SW846 7471A
Percent Moisture	TAL TAM	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

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: 680-85785-5
Sdg Number: 68085785-5

Method	Analyst	Analyst ID
SW846 8081B/8082A	Kellar, Joshua	JK
SW846 6010C	Bland, Brian	BCB
SW846 7471A	Ramos, Salvador	SR
SW846 7196A	Cameron, Jeremiah N	JNC
EPA Moisture	Galio, Andrew	AG
EPA Moisture	Swafford, Frances	FS

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85785-5
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Lab Section	Qualifier	Description
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits
Metals		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than 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.
	F	RPD of the MS and MSD exceeds the control limits
	V	Serial Dilution exceeds the control limits
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85785-5
Sdg Number: 68085785-5

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 680-260189					
LCS 680-260189/22-A	Lab Control Sample	T	Solid	3546	
MB 680-260189/18-A	Method Blank	T	Solid	3546	
680-85771-C-3-B MS	Matrix Spike	T	Solid	3546	
680-85771-C-3-C MSD	Matrix Spike Duplicate	T	Solid	3546	
680-85785-24	CV0705C-GS	T	Solid	3546	
Analysis Batch:680-260827					
LCS 680-260189/22-A	Lab Control Sample	T	Solid	8081B/8082A	680-260189
MB 680-260189/18-A	Method Blank	T	Solid	8081B/8082A	680-260189
680-85771-C-3-B MS	Matrix Spike	T	Solid	8081B/8082A	680-260189
680-85771-C-3-C MSD	Matrix Spike Duplicate	T	Solid	8081B/8082A	680-260189
680-85785-24	CV0705C-GS	T	Solid	8081B/8082A	680-260189

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85785-5
Sdg Number: 68085785-5

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 660-132590					
LCS 660-132590/11-A	Lab Control Sample	T	Solid	7471A	
MB 660-132590/10-A	Method Blank	T	Solid	7471A	
680-85785-8	HP0019C-CS	T	Solid	7471A	
680-85785-8MS	Matrix Spike	T	Solid	7471A	
680-85785-8MSD	Matrix Spike Duplicate	T	Solid	7471A	
680-85785-10	HP0241A-CS-SP	T	Solid	7471A	
680-85785-15	CV0507A-CS-SP	T	Solid	7471A	
680-85785-29	CV0511AB-GS	T	Solid	7471A	
680-85785-29MS	Matrix Spike	T	Solid	7471A	
680-85785-29MSD	Matrix Spike Duplicate	T	Solid	7471A	
680-85785-52	CV0511S-CS	T	Solid	7471A	
680-85785-52MS	Matrix Spike	T	Solid	7471A	
680-85785-52MSD	Matrix Spike Duplicate	T	Solid	7471A	
680-85785-65	HP0019C-CS (sieve)	T	Solid	7471A	
680-85785-66	HP0241A-CS-SP (sieve)	T	Solid	7471A	
680-85785-67	CV0507A-CS-SP (sieve)	T	Solid	7471A	
680-85785-68	CV0511AB-GS (sieve)	T	Solid	7471A	
680-85785-69	CV0511S-CS (sieve)	T	Solid	7471A	
Analysis Batch:660-132602					
LCS 660-132590/11-A	Lab Control Sample	T	Solid	7471A	660-132590
MB 660-132590/10-A	Method Blank	T	Solid	7471A	660-132590
680-85785-8	HP0019C-CS	T	Solid	7471A	660-132590
680-85785-8MS	Matrix Spike	T	Solid	7471A	660-132590
680-85785-8MSD	Matrix Spike Duplicate	T	Solid	7471A	660-132590
680-85785-10	HP0241A-CS-SP	T	Solid	7471A	660-132590
680-85785-15	CV0507A-CS-SP	T	Solid	7471A	660-132590
680-85785-29	CV0511AB-GS	T	Solid	7471A	660-132590
680-85785-29MS	Matrix Spike	T	Solid	7471A	660-132590
680-85785-29MSD	Matrix Spike Duplicate	T	Solid	7471A	660-132590
680-85785-52	CV0511S-CS	T	Solid	7471A	660-132590
680-85785-52MS	Matrix Spike	T	Solid	7471A	660-132590
680-85785-52MSD	Matrix Spike Duplicate	T	Solid	7471A	660-132590
680-85785-65	HP0019C-CS (sieve)	T	Solid	7471A	660-132590
680-85785-66	HP0241A-CS-SP (sieve)	T	Solid	7471A	660-132590
680-85785-67	CV0507A-CS-SP (sieve)	T	Solid	7471A	660-132590
680-85785-68	CV0511AB-GS (sieve)	T	Solid	7471A	660-132590
680-85785-69	CV0511S-CS (sieve)	T	Solid	7471A	660-132590

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85785-5
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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-260035					
LCS 680-260035/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-260035/1-A	Method Blank	T	Solid	3050B	
680-85731-B-21-C MS	Matrix Spike	T	Solid	3050B	
680-85731-B-21-D MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-85785-65	HP0019C-CS (sieve)	T	Solid	3050B	
680-85785-66	HP0241A-CS-SP (sieve)	T	Solid	3050B	
680-85785-67	CV0507A-CS-SP (sieve)	T	Solid	3050B	
680-85785-68	CV0511AB-GS (sieve)	T	Solid	3050B	
680-85785-69	CV0511S-CS (sieve)	T	Solid	3050B	
Prep Batch: 680-260226					
LCS 680-260226/2-A	Lab Control Sample	T	Solid	3050B	
MB 680-260226/1-A	Method Blank	T	Solid	3050B	
680-85785-8	HP0019C-CS	T	Solid	3050B	
680-85785-8MS	Matrix Spike	T	Solid	3050B	
680-85785-8MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-85785-10	HP0241A-CS-SP	T	Solid	3050B	
680-85785-15	CV0507A-CS-SP	T	Solid	3050B	
680-85785-29	CV0511AB-GS	T	Solid	3050B	
680-85785-29MS	Matrix Spike	T	Solid	3050B	
680-85785-29MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-85785-52	CV0511S-CS	T	Solid	3050B	
680-85785-52MS	Matrix Spike	T	Solid	3050B	
680-85785-52MSD	Matrix Spike Duplicate	T	Solid	3050B	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85785-5
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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-260674					
LCS 680-260035/2-A	Lab Control Sample	T	Solid	6010C	680-260035
MB 680-260035/1-A	Method Blank	T	Solid	6010C	680-260035
LCS 680-260226/2-A	Lab Control Sample	T	Solid	6010C	680-260226
MB 680-260226/1-A	Method Blank	T	Solid	6010C	680-260226
680-85731-B-21-C MS	Matrix Spike	T	Solid	6010C	680-260035
680-85731-B-21-D MSD	Matrix Spike Duplicate	T	Solid	6010C	680-260035
680-85785-8	HP0019C-CS	T	Solid	6010C	680-260226
680-85785-8MS	Matrix Spike	T	Solid	6010C	680-260226
680-85785-8MSD	Matrix Spike Duplicate	T	Solid	6010C	680-260226
680-85785-10	HP0241A-CS-SP	T	Solid	6010C	680-260226
680-85785-15	CV0507A-CS-SP	T	Solid	6010C	680-260226
680-85785-29	CV0511AB-GS	T	Solid	6010C	680-260226
680-85785-29MS	Matrix Spike	T	Solid	6010C	680-260226
680-85785-29MSD	Matrix Spike Duplicate	T	Solid	6010C	680-260226
680-85785-52	CV0511S-CS	T	Solid	6010C	680-260226
680-85785-52MS	Matrix Spike	T	Solid	6010C	680-260226
680-85785-52MSD	Matrix Spike Duplicate	T	Solid	6010C	680-260226
680-85785-65	HP0019C-CS (sieve)	T	Solid	6010C	680-260035
680-85785-66	HP0241A-CS-SP (sieve)	T	Solid	6010C	680-260035
680-85785-67	CV0507A-CS-SP (sieve)	T	Solid	6010C	680-260035
680-85785-68	CV0511AB-GS (sieve)	T	Solid	6010C	680-260035
680-85785-69	CV0511S-CS (sieve)	T	Solid	6010C	680-260035

Report Basis
T = Total

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85785-5
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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:660-132640					
LCS 660-132640/1	Lab Control Sample	T	Solid	Moisture	
LCSD 660-132640/22	Lab Control Sample Duplicate	T	Solid	Moisture	
680-85785-8	HP0019C-CS	T	Solid	Moisture	
680-85785-8MS	Matrix Spike	T	Solid	Moisture	
680-85785-8MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-85785-10	HP0241A-CS-SP	T	Solid	Moisture	
680-85785-15	CV0507A-CS-SP	T	Solid	Moisture	
680-85785-29	CV0511AB-GS	T	Solid	Moisture	
680-85785-29MS	Matrix Spike	T	Solid	Moisture	
680-85785-29MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-85785-52	CV0511S-CS	T	Solid	Moisture	
680-85785-52MS	Matrix Spike	T	Solid	Moisture	
680-85785-52MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-85785-65	HP0019C-CS (sieve)	T	Solid	Moisture	
680-85785-66	HP0241A-CS-SP (sieve)	T	Solid	Moisture	
680-85785-67	CV0507A-CS-SP (sieve)	T	Solid	Moisture	
680-85785-68	CV0511AB-GS (sieve)	T	Solid	Moisture	
Analysis Batch:660-132663					
LCS 660-132663/1	Lab Control Sample	T	Solid	Moisture	
LCSD 660-132663/18	Lab Control Sample Duplicate	T	Solid	Moisture	
680-85785-69	CV0511S-CS (sieve)	T	Solid	Moisture	
680-85860-A-5 MS	Matrix Spike	T	Solid	Moisture	
680-85860-A-5 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
Analysis Batch:680-259875					
680-85785-65	HP0019C-CS (sieve)	T	Solid	Moisture	
680-85785-66	HP0241A-CS-SP (sieve)	T	Solid	Moisture	
680-85785-67	CV0507A-CS-SP (sieve)	T	Solid	Moisture	
680-85785-68	CV0511AB-GS (sieve)	T	Solid	Moisture	
680-85785-69	CV0511S-CS (sieve)	T	Solid	Moisture	
Analysis Batch:680-260023					
680-85785-8	HP0019C-CS	T	Solid	Moisture	
680-85785-8MS	Matrix Spike	T	Solid	Moisture	
680-85785-8MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-85785-10	HP0241A-CS-SP	T	Solid	Moisture	
680-85785-15	CV0507A-CS-SP	T	Solid	Moisture	
680-85785-24	CV0705C-GS	T	Solid	Moisture	
680-85785-29	CV0511AB-GS	T	Solid	Moisture	
680-85785-29MS	Matrix Spike	T	Solid	Moisture	
680-85785-29MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-85785-52	CV0511S-CS	T	Solid	Moisture	
680-85785-52MS	Matrix Spike	T	Solid	Moisture	
680-85785-52MSD	Matrix Spike Duplicate	T	Solid	Moisture	

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85785-5
Sdg Number: 68085785-5

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 680-260415					
LCS 680-260415/2-A	Lab Control Sample	T	Solid	3060A	
MB 680-260415/1-A	Method Blank	T	Solid	3060A	
680-85731-B-21-J DU	Duplicate	T	Solid	3060A	
680-85785-8	HP0019C-CS	T	Solid	3060A	
680-85785-8MS	Matrix Spike	T	Solid	3060A	
680-85785-65	HP0019C-CS (sieve)	T	Solid	3060A	
Analysis Batch:680-260599					
LCS 680-260415/2-A	Lab Control Sample	T	Solid	7196A	680-260415
MB 680-260415/1-A	Method Blank	T	Solid	7196A	680-260415
680-85731-B-21-J DU	Duplicate	T	Solid	7196A	680-260415
680-85785-8	HP0019C-CS	T	Solid	7196A	680-260415
680-85785-8MS	Matrix Spike	T	Solid	7196A	680-260415
680-85785-65	HP0019C-CS (sieve)	T	Solid	7196A	680-260415

Report Basis
T = Total

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Instrument ID: SGZ Analysis Batch Number: 260421

Lab Sample ID: IC 680-260421/14 Client Sample ID:

Date Analyzed: 12/18/12 03:45 Lab File ID: zl17037.d GC Column: CLP II ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1232		Unspecified		
PCB-1232 Peak 1	7.01	Unspecified		
PCB-1232 Peak 2	7.37	Unspecified		
PCB-1232 Peak 3	7.42	Unspecified		
PCB-1232 Peak 4	7.81	Unspecified		
PCB-1232 Peak 5	8.03	Unspecified		

Method 8081B-8082A

Organochlorine Pesticides & PCBs (GC) by Method 8081B/8082A

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Matrix: Solid Level: Low

GC Column (1): CLP I ID: 0.32 (mm) GC Column (2): CLP II ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
CV0705C-GS	680-85785-24	63	64	50 X	51 X
	MB 680-260189/18-A	98	105	82	84
	LCS 680-260189/22-A	79	83	65	72
	680-85771-C-3-B MS	56	53	49 X	52 X
	680-85771-C-3-C MSD	78	84	51 X	54

	QC LIMITS
TCX = Tetrachloro-m-xylene	46-130
DCB = DCB Decachlorobiphenyl	54-133

Column to be used to flag recovery values

FORM II 8081B/8082A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Matrix: Solid Level: Low Lab File ID: zl20078.d

Lab ID: LCS 680-260189/22-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	326	243	74	64-130	
PCB-1260	326	253	78	69-130	

Column to be used to flag recovery and RPD values

FORM III 8081B/8082A

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Matrix: Solid Level: Low Lab File ID: zl20088.d

Lab ID: 680-85771-C-3-B MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	375	37 U	220	59	64-130	F
PCB-1260	375	43	317	73	69-130	

Column to be used to flag recovery and RPD values

FORM III 8081B/8082A

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Matrix: Solid Level: Low Lab File ID: zl20089.d

Lab ID: 680-85771-C-3-C MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	371	497	134	77	50	64-130	F
PCB-1260	371	307	71	3	50	69-130	

Column to be used to flag recovery and RPD values

FORM III 8081B/8082A

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: MB 680-260189/18-A

Matrix: Solid Date Extracted: 12/18/2012 21:09

Lab File ID:(1) zl20076.d Lab File ID:(2) zl20076.d

Date Analyzed:(1) 12/21/2012 18:07 Date Analyzed:(2) 12/21/2012 18:07

Instrument ID:(1) SGZ Instrument ID:(2) SGZ

GC Column:(1) CLP I ID: 0.32(mm) GC Column:(2) CLP II ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 680-260189/22-A	12/21/2012 18:55	12/21/2012 18:55
CV0705C-GS	680-85785-24	12/21/2012 22:07	12/21/2012 22:07
	680-85771-C-3-B MS	12/21/2012 22:54	12/21/2012 22:54
	680-85771-C-3-C MSD	12/21/2012 23:18	12/21/2012 23:18

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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Sample No.: CCVIS 680-260827/16 Date Analyzed: 12/21/2012 15:52

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm)

Lab File ID (Standard): zl20071.d Heated Purge: (Y/N) N

Calibration ID: 15251

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		75648030	4.21				
UPPER LIMIT		151296060	4.71				
LOWER LIMIT		37824015	3.71				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-260189/18-A		72451572	4.21				
LCS 680-260189/22-A		80447179	4.21				
680-85785-24	CV0705C-GS	84512532	4.21				
680-85771-C-3-B MS		82030954	4.21				
680-85771-C-3-C MSD		82438869	4.21				
CCV 680-260827/18		77141682	4.21				

BNB = 1-Bromo-2-nitrobenzene

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 8081B/8082A

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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Sample No.: CCVIS 680-260827/16 Date Analyzed: 12/21/2012 15:52

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm)

Lab File ID (Standard): zl20071.d Heated Purge: (Y/N) N

Calibration ID: 15256

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		72169870	4.04				
UPPER LIMIT		144339740	4.54				
LOWER LIMIT		36084935	3.54				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 680-260189/18-A		73692994	4.03				
LCS 680-260189/22-A		81863645	4.04				
680-85785-24	CV0705C-GS	90130013	4.03				
680-85771-C-3-B MS		81612863	4.03				
680-85771-C-3-C MSD		78758232	4.03				
CCV 680-260827/18		74268758	4.04				

BNB = 1-Bromo-2-nitrobenzene

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 8081B/8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: Lab Sample ID: LCS 680-260189/22-A

Instrument ID (1): SGZ Instrument ID (2): SGZ

Date Analyzed (1): 12/21/2012 18:55 Date Analyzed (2): 12/21/2012 18:55

GC Column (1): CLP I ID: 0.32(mm) GC Column (2): CLP II ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	6.73	6.68	6.78	242	243	4.9
		2	7.55	7.50	7.60	263		
		3	7.77	7.72	7.82	245		
		4	7.88	7.83	7.93	236		
		5	9.10	9.05	9.15	228		
	2	1	7.00	6.95	7.05	241	231	
		2	7.36	7.31	7.41	244		
		3	7.41	7.36	7.46	230		
		4	7.79	7.74	7.84	210		
		5	8.01	7.97	8.07	230		
PCB-1260	1	1	11.66	11.61	11.71	253	253	4.9
		2	11.74	11.69	11.79	244		
		3	12.14	12.09	12.19	247		
		4	12.60	12.55	12.65	264		
		5	13.07	13.03	13.13	258		
	2	1	12.05	12.01	12.11	244	241	
		2	12.15	12.10	12.20	243		
		3	12.55	12.50	12.60	244		
		4	12.67	12.62	12.72	222		
		5	12.98	12.93	13.03	252		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: Lab Sample ID: 680-85771-C-3-B MS

Instrument ID (1): SGZ Instrument ID (2): SGZ

Date Analyzed (1): 12/21/2012 22:54 Date Analyzed (2): 12/21/2012 22:54

GC Column (1): CLP I ID: 0.32(mm) GC Column (2): CLP II ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	6.73	6.68	6.78	78.6	467	71.8
		2	7.54	7.50	7.60	276		
		3	7.76	7.72	7.82	224		
		4	7.87	7.83	7.93	192		
		5	9.10	9.05	9.15	1570		
	2	1	7.00	6.95	7.05	199	220	
		2	7.36	7.31	7.41	262		
		3	7.41	7.36	7.46	204		
		4	7.79	7.74	7.84	228		
		5	8.01	7.97	8.07	209		
PCB-1254	1	1	9.10	9.06	9.16	964	1220	13.0
		2	9.55	9.51	9.61	1230		
		3	10.22	10.18	10.28	1230		
		4	10.69	10.66	10.76	1280		
		5	11.00	10.96	11.06	1390		
	2	1	9.51	9.47	9.57	1120	1390	
		2	9.84	9.80	9.90	1380		
		3	10.61	10.58	10.68	1380		
		4	11.00	10.97	11.07	1300		
		5	11.58	11.55	11.65	1770		
PCB-1260	1	1	11.66	11.61	11.71	273	312	1.6
		2	11.74	11.69	11.79	334		
		3	12.14	12.09	12.19	284		
		4	12.60	12.55	12.65	310		
		5	13.07	13.03	13.13	356		
	2	1	12.06	12.01	12.11	389	317	
		2	12.15	12.10	12.20	313		
		3	12.55	12.50	12.60	287		
		4	12.67	12.62	12.72	279		
		5	12.98	12.93	13.03	314		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: Lab Sample ID: 680-85771-C-3-C MSD

Instrument ID (1): SGZ Instrument ID (2): SGZ

Date Analyzed (1): 12/21/2012 23:18 Date Analyzed (2): 12/21/2012 23:18

GC Column (1): CLP I ID: 0.32(mm) GC Column (2): CLP II ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	6.73	6.68	6.78	315	497	39.3
		2	7.54	7.50	7.60	458		
		3	7.76	7.72	7.82	315		
		4	7.87	7.83	7.93	424		
		5	9.10	9.05	9.15	974		
	2	1	7.00	6.95	7.05	305	334	
		2	7.36	7.31	7.41	429		
		3	7.41	7.36	7.46	284		
		4	7.79	7.74	7.84	373		
		5	8.01	7.97	8.07	277		
PCB-1254	1	1	9.10	9.06	9.16	599	733	9.0
		2	9.55	9.51	9.61	718		
		3	10.22	10.18	10.28	677		
		4	10.69	10.66	10.76	631		
		5	11.00	10.96	11.06	1040		
	2	1	9.51	9.47	9.57	745	803	
		2	9.84	9.80	9.90	770		
		3	10.61	10.58	10.68	749		
		4	11.00	10.97	11.07	685		
		5	11.58	11.55	11.65	1060		
PCB-1260	1	1	11.66	11.61	11.71	280	292	5.0
		2	11.74	11.69	11.79	296		
		3	12.14	12.09	12.19	278		
		4	12.60	12.55	12.65	302		
		5	13.07	13.03	13.13	306		
	2	1	12.06	12.01	12.11	353	307	
		2	12.15	12.10	12.20	281		
		3	12.55	12.50	12.60	304		
		4	12.67	12.62	12.72	267		
		5	12.98	12.93	13.03	332		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: CV0705C-GS | Lab Sample ID: 680-85785-24

Matrix: Solid | Lab File ID: zl20086.d

Analysis Method: 8081B/8082A | Date Collected: 12/12/2012 14:56

Extraction Method: 3546 | Date Extracted: 12/18/2012 21:09

Sample wt/vol: 15.23(g) | Date Analyzed: 12/21/2012 22:07

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: 23.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260827 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	42	U	42	3.7
11104-28-2	PCB-1221	86	U	86	6.1
11141-16-5	PCB-1232	42	U	42	4.2
53469-21-9	PCB-1242	42	U	42	3.6
12672-29-6	PCB-1248	42	U	42	9.2
11097-69-1	PCB-1254	42	U	42	2.9
11096-82-5	PCB-1260	42	U	42	8.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	50	X	54-133
877-09-8	Tetrachloro-m-xylene	63		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/4Z122012.b/zl20086.d
Lab Smp Id: 680-85785-B-24-A Client Smp ID: CV0705C-GS
Inj Date : 21-DEC-2012 22:07
Operator : Inst ID: SGZECD1.i
Smp Info : 680-85785-B-24-A~4Z122012~
Misc Info : 680-85785-B-24-A
Comment :
Method : /chem/SG/SGZECD1.i/4Z122012.b/z3-808182-e1.m
Meth Date : 23-Dec-2012 11:37 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 86
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract
Ws	15.23000	Weight of sample extract
M	0.00000	% Moisture
A	1000.00000	g to kg conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

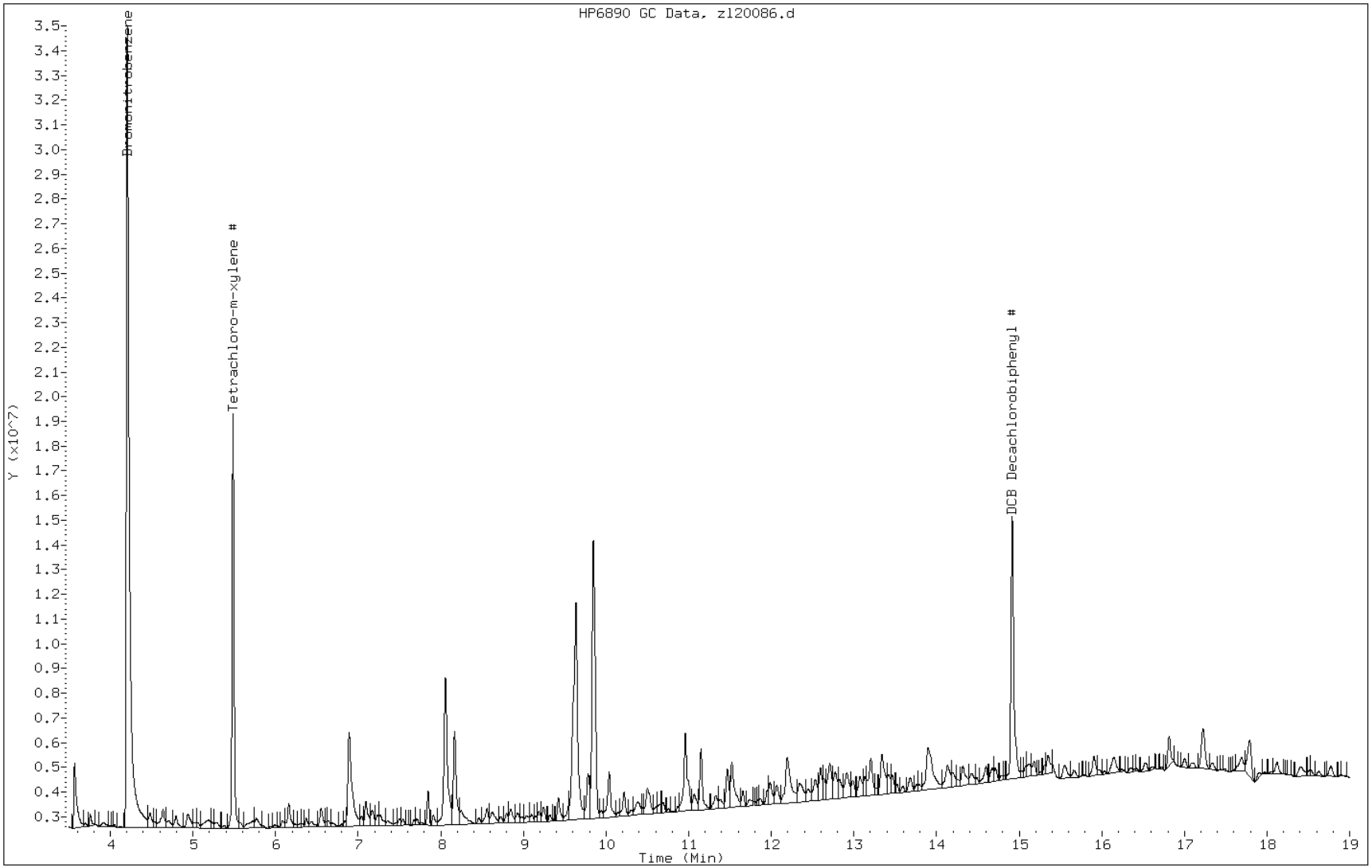
RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.206	4.212 (1.000)	84512532	84512532	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.486	5.489 (1.304)	28282232	28282232	0.03154	10.4 80.00- 120.00	100.00
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
14.916	14.917 (3.546)	25758976	25758976	0.02484	8.16 80.00- 120.00	100.00

Data File: zl20086.d

Date: 21-DEC-2012 22:07

Client ID: CV0705C-GS Instrument: SGZECD1.i

Sample Info: 680-85785-B-24-A~4Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: CV0705C-GS | Lab Sample ID: 680-85785-24

Matrix: Solid | Lab File ID: zl20086.d

Analysis Method: 8081B/8082A | Date Collected: 12/12/2012 14:56

Extraction Method: 3546 | Date Extracted: 12/18/2012 21:09

Sample wt/vol: 15.23(g) | Date Analyzed: 12/21/2012 22:07

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

% Moisture: 23.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260827 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	51	X	54-133
877-09-8	Tetrachloro-m-xylene	64		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/4Z122012.b/zl20086.d
Lab Smp Id: 680-85785-B-24-A Client Smp ID: CV0705C-GS
Inj Date : 21-DEC-2012 22:07
Operator : Inst ID: SGZECD2.i
Smp Info : 680-85785-B-24-A~4Z122012~
Misc Info : 680-85785-B-24-A
Comment :
Method : /chem/SG/SGZECD2.i/4Z122012.b/z3-808182-e2.m
Meth Date : 23-Dec-2012 11:38 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 86
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract
Ws	15.23000	Weight of sample extract
M	0.00000	% Moisture
A	1000.00000	g to kg conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

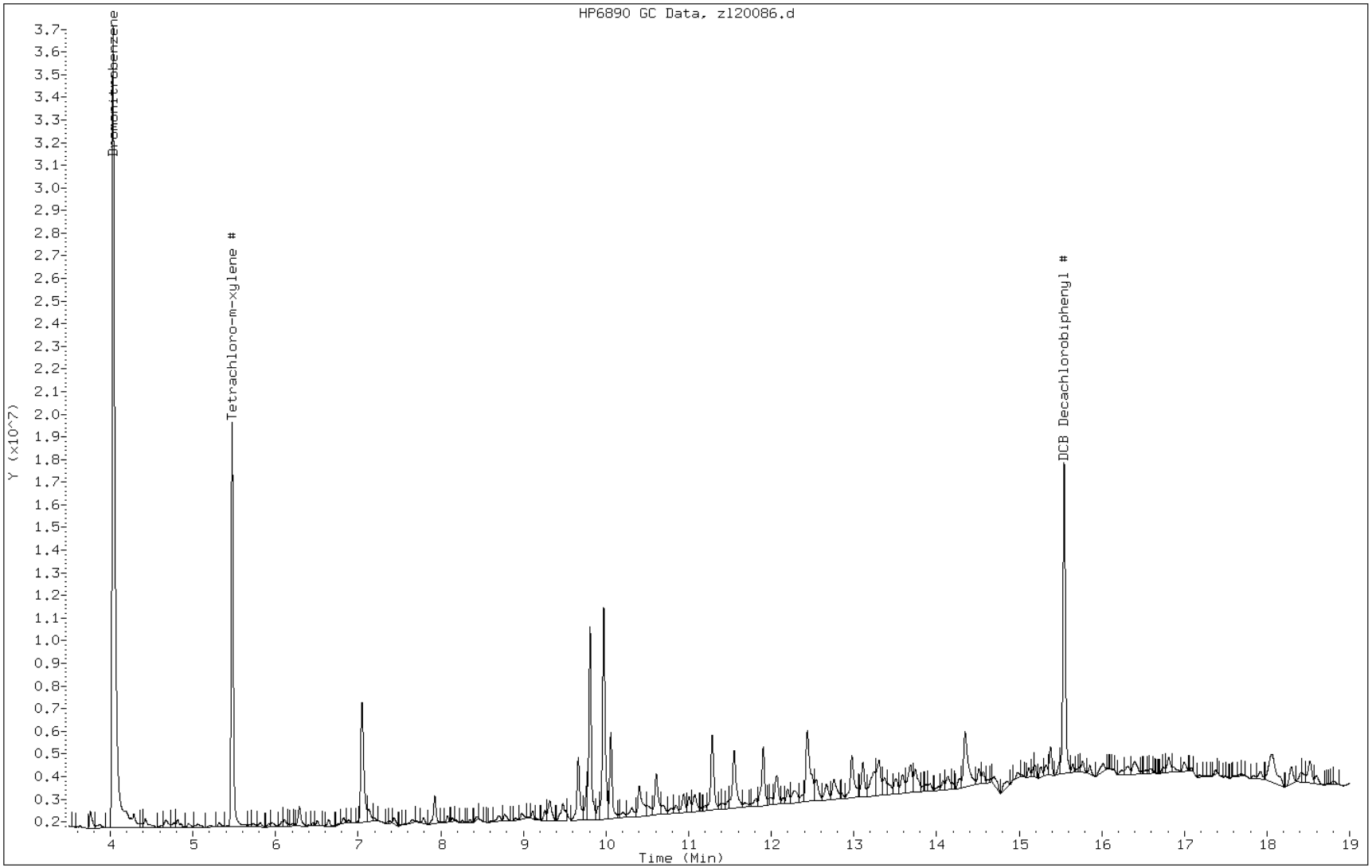
RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.032	4.041 (1.000)	90130013	90130013	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.474	5.477 (1.358)	31808672	31808672	0.03204	10.5 80.00- 120.00	100.00
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.544	15.546 (3.855)	29175129	29175129	0.02530	8.31 80.00- 120.00	100.00

Data File: zl20086.d

Date: 21-DEC-2012 22:07

Client ID: CV0705C-GS Instrument: SGZECD2.i

Sample Info: 680-85785-B-24-A~4Z122012~ Operator:



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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 00:57 Calibration End Date: 12/18/2012 02:57 Calibration ID: 15247

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/12	zl17035.d
Level 2	IC 680-260421/11	zl17034.d
Level 3	IC 680-260421/10	zl17033.d
Level 4	IC 680-260421/9	zl17032.d
Level 5	IC 680-260421/8	zl17031.d
Level 6	IC 680-260421/7	zl17030.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 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0368 0.0368	0.0371	0.0366	0.0362	0.0358	Ave		0.0366				1.3		20.0			
PCB-1016 Peak 2	0.0418 0.0496	0.0443	0.0443	0.0460	0.0473	Ave		0.0456				5.9		20.0			
PCB-1016 Peak 3	0.0332 0.0346	0.0342	0.0335	0.0335	0.0336	Ave		0.0337				1.5		20.0			
PCB-1016 Peak 4	0.0236 0.0236	0.0239	0.0232	0.0231	0.0232	Ave		0.0234				1.4		20.0			
PCB-1016 Peak 5	0.0240 0.0223	0.0235	0.0228	0.0220	0.0214	Ave		0.0227				4.2		20.0			
PCB-1260 Peak 1	0.0526 0.0579	0.0548	0.0557	0.0553	0.0537	Ave		0.0550				3.3		20.0			
PCB-1260 Peak 2	0.0292 0.0327	0.0331	0.0325	0.0318	0.0306	Ave		0.0317				4.7		20.0			
PCB-1260 Peak 3	0.0274 0.0289	0.0284	0.0283	0.0281	0.0270	Ave		0.0280				2.5		20.0			
PCB-1260 Peak 4	0.1185 0.1419	0.1273	0.1327	0.1354	0.1311	Ave		0.1312				6.0		20.0			
PCB-1260 Peak 5	0.0621 0.0697	0.0626	0.0650	0.0663	0.0641	Ave		0.0650				4.3		20.0			
Tetrachloro-m-xylene	1.0268 1.1340	1.0658	1.0261	1.0363	1.0764	Ave		1.0609				3.9		20.0			
DCB Decachlorobiphenyl	1.2689 1.2466	1.2660	1.2108	1.2219	1.1472	Ave		1.2269				3.7		20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 00:57 Calibration End Date: 12/18/2012 02:57 Calibration ID: 15247

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/12	zl17035.d
Level 2	IC 680-260421/11	zl17034.d
Level 3	IC 680-260421/10	zl17033.d
Level 4	IC 680-260421/9	zl17032.d
Level 5	IC 680-260421/8	zl17031.d
Level 6	IC 680-260421/7	zl17030.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	2328380 44843214	5882460	11957664	23335585	37239880	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1016 Peak 2	BNB	Ave	2645221 60370342	7016686	14484303	29686808	49192266	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1016 Peak 3	BNB	Ave	2096028 42106851	5413905	10941353	21603658	34924159	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1016 Peak 4	BNB	Ave	1493866 28728581	3786496	7565243	14933493	24068376	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1016 Peak 5	BNB	Ave	1516913 27149465	3726347	7459238	14220489	22260734	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1260 Peak 1	BNB	Ave	3323120 70474333	8682500	18191623	35709111	55810264	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1260 Peak 2	BNB	Ave	1847853 39880268	5247204	10613107	20532567	31781614	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1260 Peak 3	BNB	Ave	1735068 35181491	4495826	9236255	18155980	28040175	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1260 Peak 4	BNB	Ave	7489027 172901903	20182073	43360116	87412490	136269527	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1260 Peak 5	BNB	Ave	3927309 84957554	9921640	21238200	42816807	66599489	0.100 2.00	0.250	0.500	1.00	1.50
Tetrachloro-m-xylene	BNB	Ave	2596562 88408917	5405890	10725131	21403513	47745200	0.00400 0.128	0.00800	0.0160	0.0320	0.0640
DCB Decachlorobiphenyl	BNB	Ave	3208780 97187813	6421667	12655161	25237908	50883419	0.00400 0.128	0.00800	0.0160	0.0320	0.0640

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17030.d
Lab Smp Id: IC-2863043;1660-6
Inj Date : 18-DEC-2012 00:57
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863043;1660-6~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 22:14 Cal File: zl11035.d
Als bottle: 30 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.223	4.217 (1.000)	60910451	60910451	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.495	5.494 (1.301)	88408917	88408917	0.12800	0.137 80.00- 120.00	100.00(A)
34 Aroclor-1016				CAS #: 12674-11-2		
6.737	6.737 (1.595)	44843214	44843214	2.00000	2.01 80.00- 120.00	100.00(A)
7.555	7.554 (1.789)	60370342	60370342	2.00000	2.18 105.00- 145.00	134.63
7.778	7.777 (1.842)	42106851	42106851	2.00000	2.05 69.49- 109.49	93.90
7.887	7.886 (1.867)	28728581	28728581	2.00000	2.01 39.45- 79.45	64.06
9.113	9.113 (2.158)	27149465	27149465	2.00000	1.96 32.13- 72.13	60.54
Average of Peak Amounts =				2.04		
40 Aroclor-1260				CAS #: 11096-82-5		
11.668	11.669 (2.763)	70474333	70474333	2.00000	2.10 80.00- 120.00	100.00(A)
11.748	11.749 (2.782)	39880268	39880268	2.00000	2.07 33.05- 73.05	56.59
12.152	12.152 (2.877)	35181491	35181491	2.00000	2.06 31.49- 71.49	49.92
12.608	12.609 (2.985)	172901903	172901903	2.00000	2.16 198.60- 238.60	245.34
13.085	13.084 (3.098)	84957554	84957554	2.00000	2.15 88.76- 128.76	120.55
Average of Peak Amounts =				2.11		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
14.928	14.928 (3.535)	97187813	97187813	0.12800	0.130 80.00- 120.00	100.00(A)

QC Flag Legend

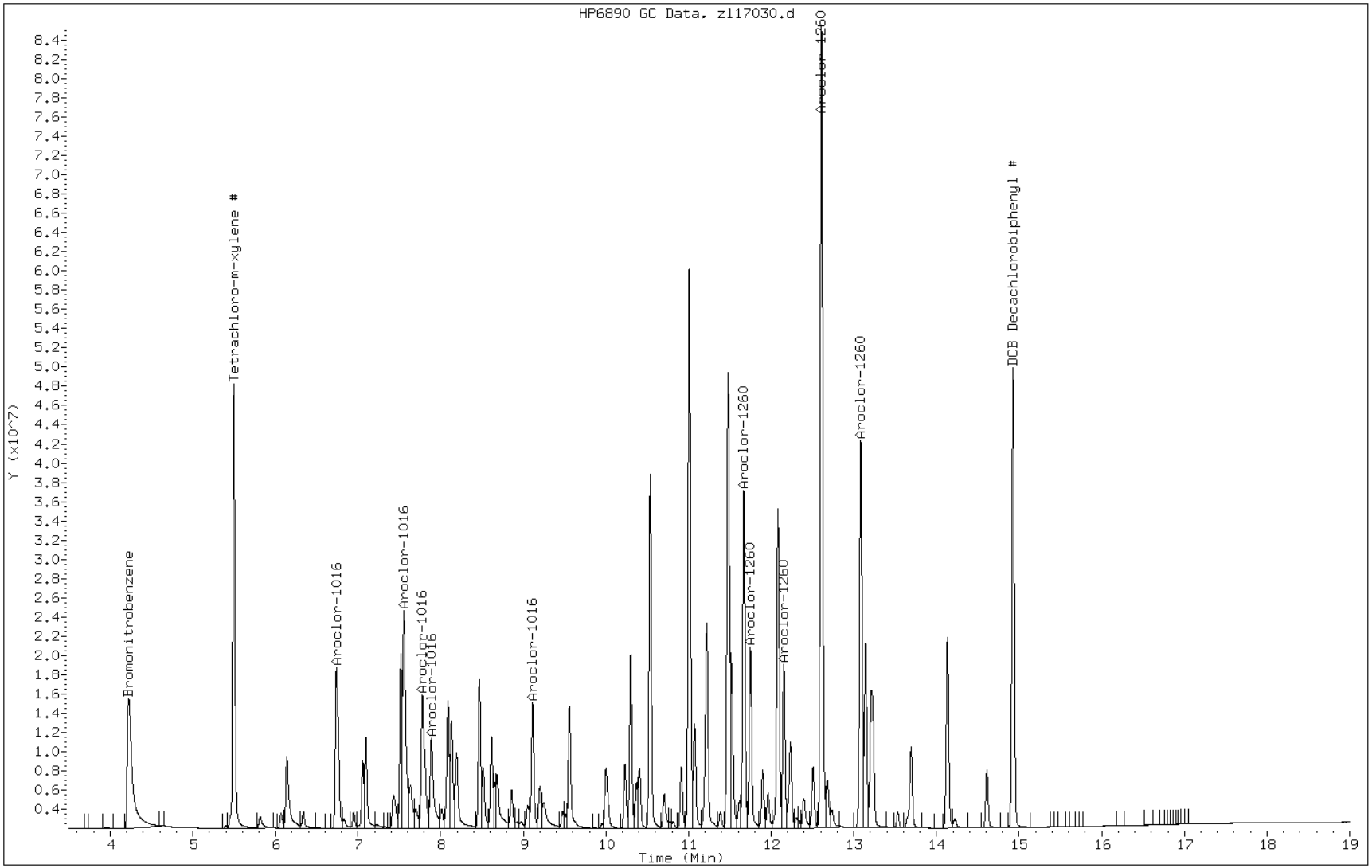
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: zl17030.d

Date: 18-DEC-2012 00:57

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863043;1660-6~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17031.d
Lab Smp Id: IC-2863044;1660-5
Inj Date : 18-DEC-2012 01:21
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863044;1660-5~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 22:38 Cal File: zl11036.d
Als bottle: 31 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

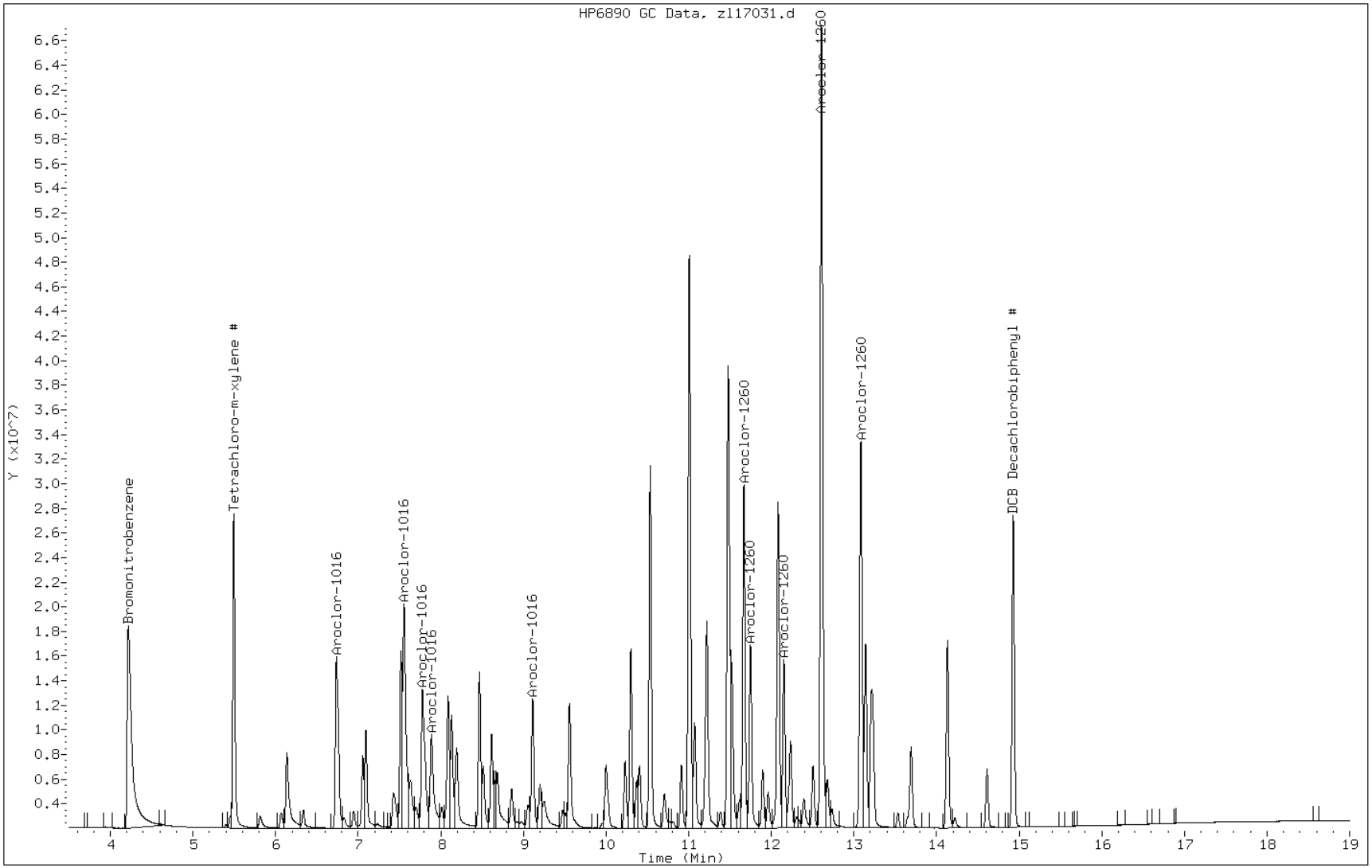
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.217	4.217 (1.000)	69305186	69305186	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.494	5.494 (1.303)	47745200	47745200	0.06400	0.0649 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
6.736	6.737 (1.597)	37239880	37239880	1.50000	1.47 80.00- 120.00	100.00
7.556	7.554 (1.792)	49192266	49192266	1.50000	1.56 105.00- 145.00	132.10
7.777	7.777 (1.844)	34924159	34924159	1.50000	1.49 69.49- 109.49	93.78
7.887	7.886 (1.870)	24068376	24068376	1.50000	1.48 39.45- 79.45	64.63
9.112	9.113 (2.161)	22260734	22260734	1.50000	1.42 32.13- 72.13	59.78
Average of Peak Amounts =				1.48		
40 Aroclor-1260				CAS #: 11096-82-5		
11.669	11.669 (2.767)	55810264	55810264	1.50000	1.46 80.00- 120.00	100.00
11.749	11.749 (2.786)	31781614	31781614	1.50000	1.45 33.05- 73.05	56.95
12.152	12.152 (2.882)	28040175	28040175	1.50000	1.44 31.49- 71.49	50.24
12.607	12.609 (2.989)	136269527	136269527	1.50000	1.50 198.60- 238.60	244.17
13.086	13.084 (3.103)	66599489	66599489	1.50000	1.48 88.76- 128.76	119.33
Average of Peak Amounts =				1.47		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
14.927	14.928 (3.539)	50883419	50883419	0.06400	0.0598 80.00- 120.00	100.00

Data File: zl17031.d

Date: 18-DEC-2012 01:21

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863044;1660-5~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17032.d
Lab Smp Id: IC-2863045;1660-4
Inj Date : 18-DEC-2012 01:45
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863045;1660-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 32 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

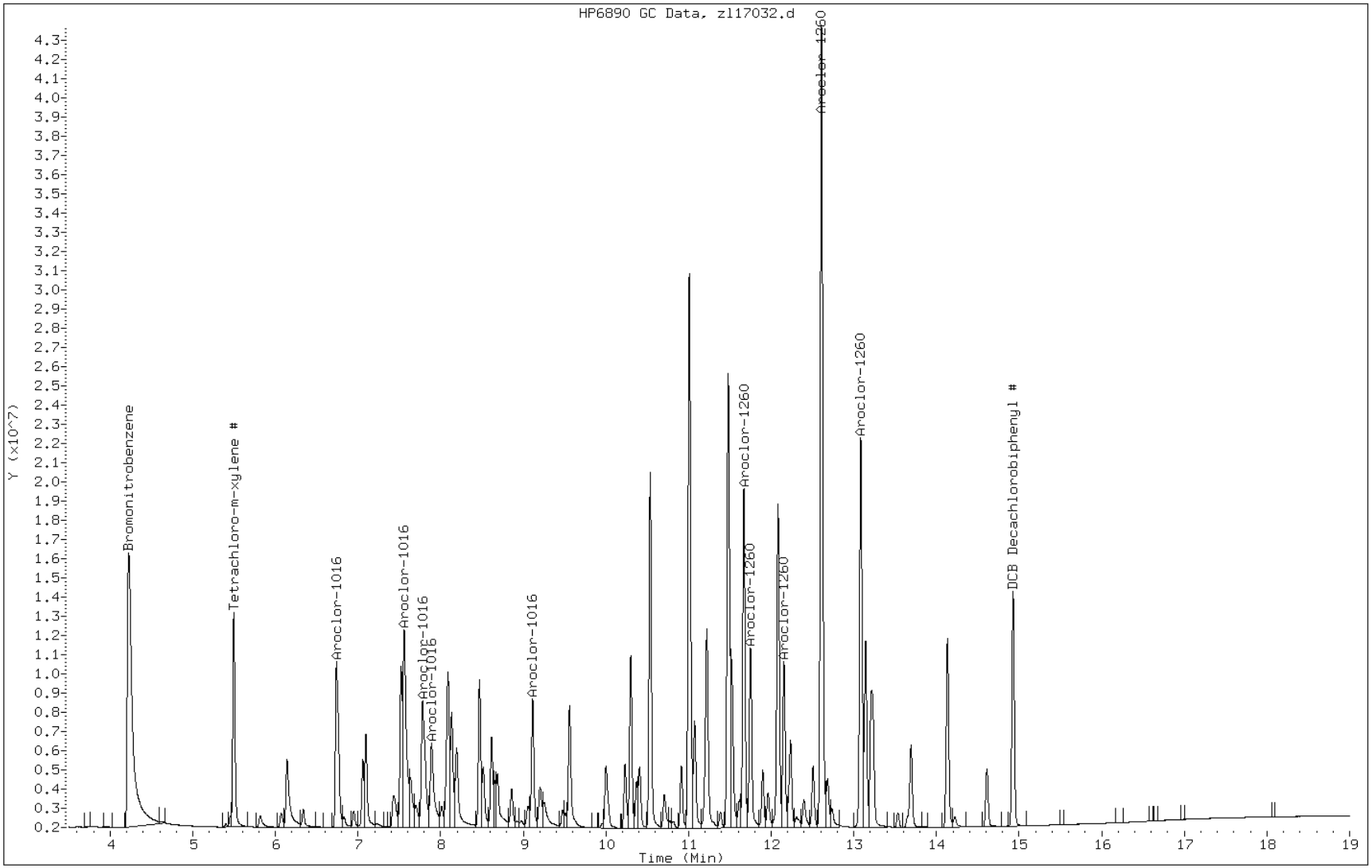
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.225	4.225 (1.000)	64544244	64544244	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.495	5.495 (1.301)	21403513	21403513	0.03200	0.0312 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
6.738	6.738 (1.595)	23335585	23335585	1.00000	0.989 80.00- 120.00	100.00
7.558	7.558 (1.789)	29686808	29686808	1.00000	1.01 105.00- 145.00	127.22
7.780	7.780 (1.841)	21603658	21603658	1.00000	0.992 69.49- 109.49	92.58
7.890	7.890 (1.867)	14933493	14933493	1.00000	0.988 39.45- 79.45	63.99
9.113	9.113 (2.157)	14220489	14220489	1.00000	0.971 32.13- 72.13	60.94
Average of Peak Amounts =				0.99		
40 Aroclor-1260				CAS #: 11096-82-5		
11.670	11.670 (2.762)	35709111	35709111	1.00000	1.01 80.00- 120.00	100.00
11.750	11.750 (2.781)	20532567	20532567	1.00000	1.00 33.05- 73.05	57.50
12.153	12.153 (2.877)	18155980	18155980	1.00000	1.00 31.49- 71.49	50.84
12.608	12.608 (2.984)	87412490	87412490	1.00000	1.03 198.60- 238.60	244.79
13.085	13.085 (3.097)	42816807	42816807	1.00000	1.02 88.76- 128.76	119.90
Average of Peak Amounts =				1.01		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
14.928	14.928 (3.533)	25237908	25237908	0.03200	0.0319 80.00- 120.00	100.00

Data File: zl17032.d

Date: 18-DEC-2012 01:45

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863045;1660-4~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17033.d
Lab Smp Id: IC-2863046;1660-3
Inj Date : 18-DEC-2012 02:09
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863046;1660-3~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:26 Cal File: zl11038.d
Als bottle: 33 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

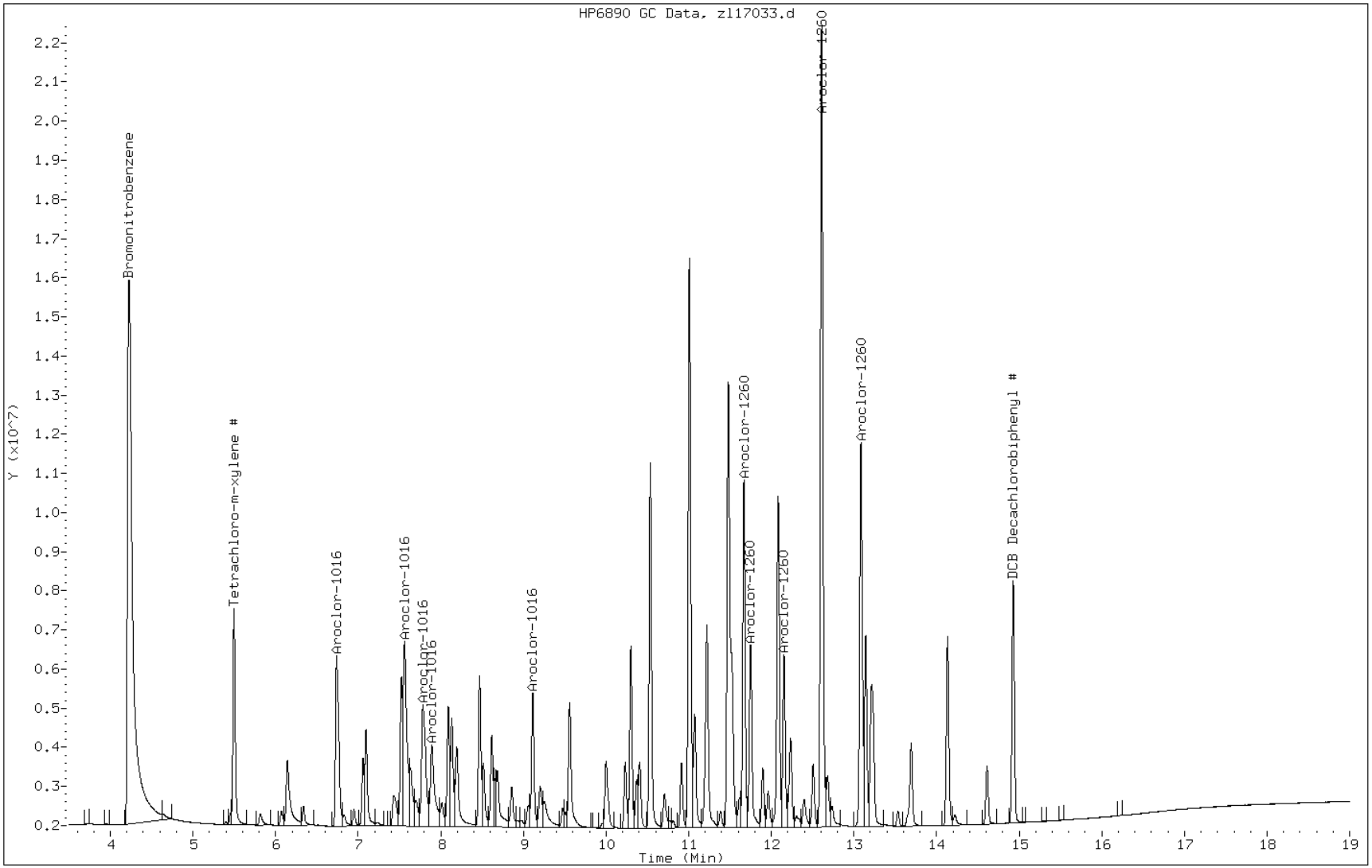
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.226	4.225 (1.000)	65326036	65326036	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.497	5.495 (1.301)	10725131	10725131	0.01600	0.0155 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
6.739	6.738 (1.595)	11957664	11957664	0.50000	0.501 80.00- 120.00	100.00
7.562	7.558 (1.790)	14484303	14484303	0.50000	0.487 105.00- 145.00	121.13
7.782	7.780 (1.842)	10941353	10941353	0.50000	0.496 69.49- 109.49	91.50
7.892	7.890 (1.868)	7565243	7565243	0.50000	0.494 39.45- 79.45	63.27
9.112	9.113 (2.156)	7459238	7459238	0.50000	0.503 32.13- 72.13	62.38
	Average of Peak Amounts =			0.496		
40 Aroclor-1260				CAS #: 11096-82-5		
11.669	11.670 (2.761)	18191623	18191623	0.50000	0.506 80.00- 120.00	100.00
11.749	11.750 (2.780)	10613107	10613107	0.50000	0.513 33.05- 73.05	58.34
12.152	12.153 (2.876)	9236255	9236255	0.50000	0.505 31.49- 71.49	50.77
12.609	12.608 (2.984)	43360116	43360116	0.50000	0.506 198.60- 238.60	238.35
13.086	13.085 (3.097)	21238200	21238200	0.50000	0.500 88.76- 128.76	116.75
	Average of Peak Amounts =			0.506		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
14.927	14.928 (3.533)	12655161	12655161	0.01600	0.0158 80.00- 120.00	100.00

Data File: zl17033.d

Date: 18-DEC-2012 02:09

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863046;1660-3~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17034.d
Lab Smp Id: IC-2863047;1660-2
Inj Date : 18-DEC-2012 02:33
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863047;1660-2~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:50 Cal File: zl11039.d
Als bottle: 34 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

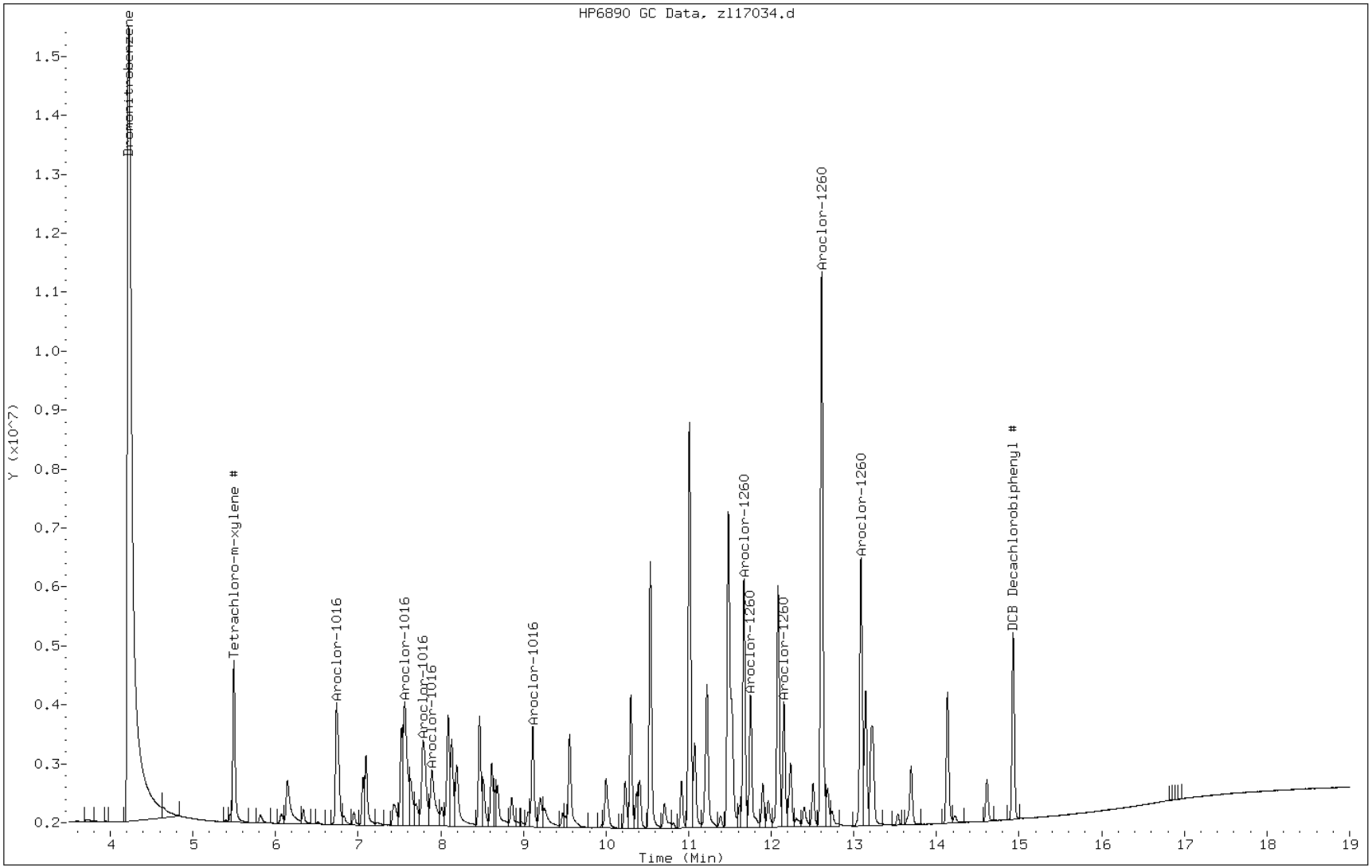
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.223	4.225 (1.000)	63402936	63402936	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.496	5.495 (1.302)	5405890	5405890	0.00800	0.00804 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
6.738	6.738 (1.596)	5882460	5882460	0.25000	0.254 80.00- 120.00	100.00
7.565	7.558 (1.791)	7016686	7016686	0.25000	0.243 105.00- 145.00	119.28
7.786	7.780 (1.844)	5413905	5413905	0.25000	0.253 69.49- 109.49	92.03
7.893	7.890 (1.869)	3786496	3786496	0.25000	0.255 39.45- 79.45	64.37
9.115	9.113 (2.158)	3726347	3726347	0.25000	0.259 32.13- 72.13	63.35
	Average of Peak Amounts =			0.253		
40 Aroclor-1260				CAS #: 11096-82-5		
11.670	11.670 (2.763)	8682500	8682500	0.25000	0.249 80.00- 120.00	100.00
11.750	11.750 (2.782)	5247204	5247204	0.25000	0.261 33.05- 73.05	60.43
12.153	12.153 (2.878)	4495826	4495826	0.25000	0.253 31.49- 71.49	51.78
12.611	12.608 (2.986)	20182073	20182073	0.25000	0.243 198.60- 238.60	232.45
13.086	13.085 (3.099)	9921640	9921640	0.25000	0.241 88.76- 128.76	114.27
	Average of Peak Amounts =			0.249		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
14.928	14.928 (3.535)	6421667	6421667	0.00800	0.00826 80.00- 120.00	100.00

Data File: zl17034.d

Date: 18-DEC-2012 02:33

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863047;1660-2~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17035.d
Lab Smp Id: IC-2863048;1660-1
Inj Date : 18-DEC-2012 02:57
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863048;1660-1~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 12-DEC-2012 00:14 Cal File: zl11040.d
Als bottle: 35 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

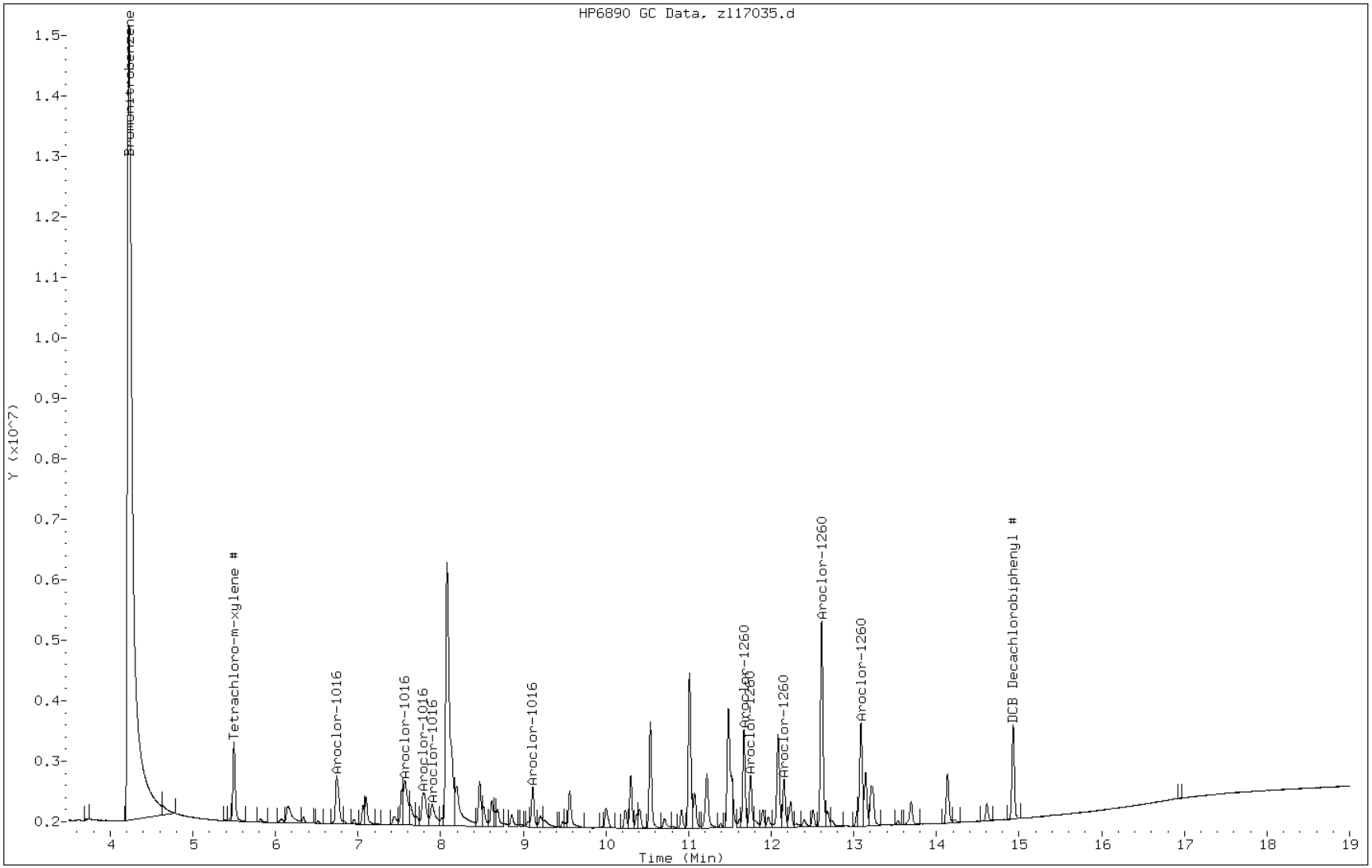
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.228	4.225 (1.000)	63222089	63222089	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.496	5.495 (1.300)	2596562	2596562	0.00400	0.00387 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
6.740	6.738 (1.594)	2328380	2328380	0.10000	0.101 80.00- 120.00	100.00
7.566	7.558 (1.790)	2645221	2645221	0.10000	0.0918 105.00- 145.00	113.61
7.790	7.780 (1.842)	2096028	2096028	0.10000	0.0983 69.49- 109.49	90.02
7.896	7.890 (1.868)	1493866	1493866	0.10000	0.101 39.45- 79.45	64.16
9.113	9.113 (2.155)	1516913	1516913	0.10000	0.106 32.13- 72.13	65.15
	Average of Peak Amounts =			0.0995		
40 Aroclor-1260				CAS #: 11096-82-5		
11.671	11.670 (2.760)	3323120	3323120	0.10000	0.0956 80.00- 120.00	100.00
11.750	11.750 (2.779)	1847853	1847853	0.10000	0.0923 33.05- 73.05	55.61
12.153	12.153 (2.874)	1735068	1735068	0.10000	0.0980 31.49- 71.49	52.21
12.610	12.608 (2.982)	7489027	7489027	0.10000	0.0903 198.60- 238.60	225.36
13.086	13.085 (3.095)	3927309	3927309	0.10000	0.0956 88.76- 128.76	118.18
	Average of Peak Amounts =			0.0944		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
14.928	14.928 (3.531)	3208780	3208780	0.00400	0.00414 80.00- 120.00	100.00

Data File: zl17035.d

Date: 18-DEC-2012 02:57

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863048;1660-1~2Z121712~ Operator:



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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 00:57 Calibration End Date: 12/18/2012 02:57 Calibration ID: 15252

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/12	zl17035.d
Level 2	IC 680-260421/11	zl17034.d
Level 3	IC 680-260421/10	zl17033.d
Level 4	IC 680-260421/9	zl17032.d
Level 5	IC 680-260421/8	zl17031.d
Level 6	IC 680-260421/7	zl17030.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 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0532 0.0443	0.0509	0.0478	0.0449	0.0436	Ave		0.0475				8.2		20.0			
PCB-1016 Peak 2	0.0129 0.0116	0.0126	0.0122	0.0116	0.0114	Ave		0.0121				4.9		20.0			
PCB-1016 Peak 3	0.0255 0.0192	0.0233	0.0215	0.0200	0.0191	Ave		0.0214				11.9		20.0			
PCB-1016 Peak 4	0.0997 0.0693	0.0987	0.0746	0.0700	0.0698	Ave		0.0804				18.3		20.0			
PCB-1016 Peak 5	0.0522 0.0415	0.0502	0.0462	0.0426	0.0412	Ave		0.0456				10.3		20.0			
PCB-1260 Peak 1	0.0599 0.0520	0.0581	0.0551	0.0526	0.0500	Ave		0.0546				7.0		20.0			
PCB-1260 Peak 2	0.0360 0.0298	0.0343	0.0322	0.0304	0.0288	Ave		0.0319				8.7		20.0			
PCB-1260 Peak 3	0.0624 0.0575	0.0614	0.0596	0.0575	0.0550	Ave		0.0589				4.7		20.0			
PCB-1260 Peak 4	0.0360 0.0305	0.0350	0.0332	0.0312	0.0293	Ave		0.0325				8.1		20.0			
PCB-1260 Peak 5	0.1267 0.1308	0.1281	0.1290	0.1288	0.1234	Ave		0.1278				2.0		20.0			
Tetrachloro-m-xylene	1.0680 1.1906	1.0985	1.0524	1.0704	1.1292	Ave		1.1015				4.7		20.0			
DCB Decachlorobiphenyl	1.5121 1.1480	1.4287	1.2793	1.2146	1.0931	Ave		1.2793				12.7		20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 00:57 Calibration End Date: 12/18/2012 02:57 Calibration ID: 15252

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/12	zl17035.d
Level 2	IC 680-260421/11	zl17034.d
Level 3	IC 680-260421/10	zl17033.d
Level 4	IC 680-260421/9	zl17032.d
Level 5	IC 680-260421/8	zl17031.d
Level 6	IC 680-260421/7	zl17030.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	3595765 59808229	8523547	16656447	31360935	49406872	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1016 Peak 2	BNB	Ave	869887 15622413	2106545	4265093	8140036	12929993	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1016 Peak 3	BNB	Ave	1724621 25847190	3897378	7507713	13978765	21652591	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1016 Peak 4	BNB	Ave	6738214 93490216	16521322	25990457	48946135	78985126	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1016 Peak 5	BNB	Ave	3531679 55924347	8396432	16106938	29769497	46599812	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1260 Peak 1	BNB	Ave	4047432 70090766	9715617	19225199	36748983	56621509	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1260 Peak 2	BNB	Ave	2432159 40216626	5741940	11240245	21242764	32624698	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1260 Peak 3	BNB	Ave	4216921 77630851	10278251	20760640	40201951	62200595	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1260 Peak 4	BNB	Ave	2430405 41100151	5852330	11581842	21832798	33118932	0.100 2.00	0.250	0.500	1.00	1.50
PCB-1260 Peak 5	BNB	Ave	8563217 176419237	21433005	44978878	89974101	139663286	0.100 2.00	0.250	0.500	1.00	1.50
Tetrachloro-m-xylene	BNB	Ave	2887713 102785998	5881875	11739758	23936052	54537962	0.00400 0.128	0.00800	0.0160	0.0320	0.0640
DCB Decachlorobiphenyl	BNB	Ave	4088509 99109350	7650450	14271168	27159925	52793496	0.00400 0.128	0.00800	0.0160	0.0320	0.0640

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17030.d
Lab Smp Id: IC-2863043;1660-6
Inj Date : 18-DEC-2012 00:57
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863043;1660-6~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 30 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.053	4.045 (1.000)	67447763	67447763	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.485	5.482 (1.353)	102785998	102785998	0.12800	0.138 80.00- 120.00	100.00(A)
34 Aroclor-1016				CAS #: 12674-11-2		
7.012	7.011 (1.730)	59808229	59808229	2.00000	1.87 80.00- 120.00	100.00
7.370	7.369 (1.818)	15622413	15622413	2.00000	1.92 21.81- 61.81	26.12
7.423	7.421 (1.831)	25847190	25847190	2.00000	1.79 57.04- 97.04	43.22
7.800	7.799 (1.924)	93490216	93490216	2.00000	1.72 244.79- 284.79	156.32
8.023	8.023 (1.979)	55924347	55924347	2.00000	1.82 130.07- 170.07	93.51
	Average of Peak Amounts =			1.82		
40 Aroclor-1260				CAS #: 11096-82-5		
12.067	12.066 (2.977)	70090766	70090766	2.00000	1.90 80.00- 120.00	100.00
12.158	12.158 (3.000)	40216626	40216626	2.00000	1.87 36.84- 76.84	57.38
12.558	12.557 (3.098)	77630851	77630851	2.00000	1.95 84.02- 124.02	110.76
12.678	12.678 (3.128)	41100151	41100151	2.00000	1.87 29.57- 69.57	58.64
12.990	12.989 (3.205)	176419237	176419237	2.00000	2.05 196.99- 236.99	251.70
	Average of Peak Amounts =			1.93		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.557	15.556 (3.838)	99109350	99109350	0.12800	0.115 80.00- 120.00	100.00

QC Flag Legend

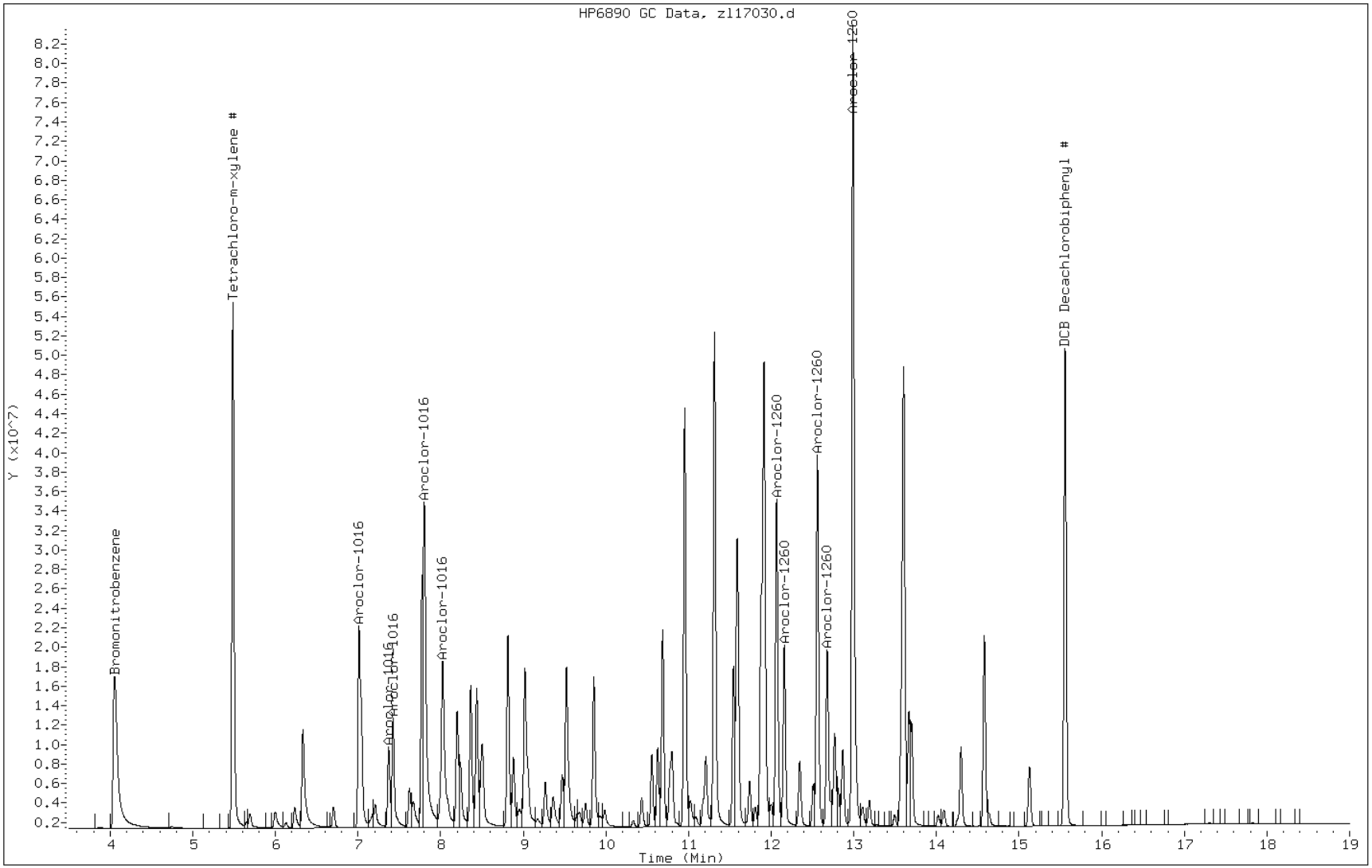
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: zl17030.d

Date: 18-DEC-2012 00:57

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863043;1660-6~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17031.d
Lab Smp Id: IC-2863044;1660-5
Inj Date : 18-DEC-2012 01:21
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863044;1660-5~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 31 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

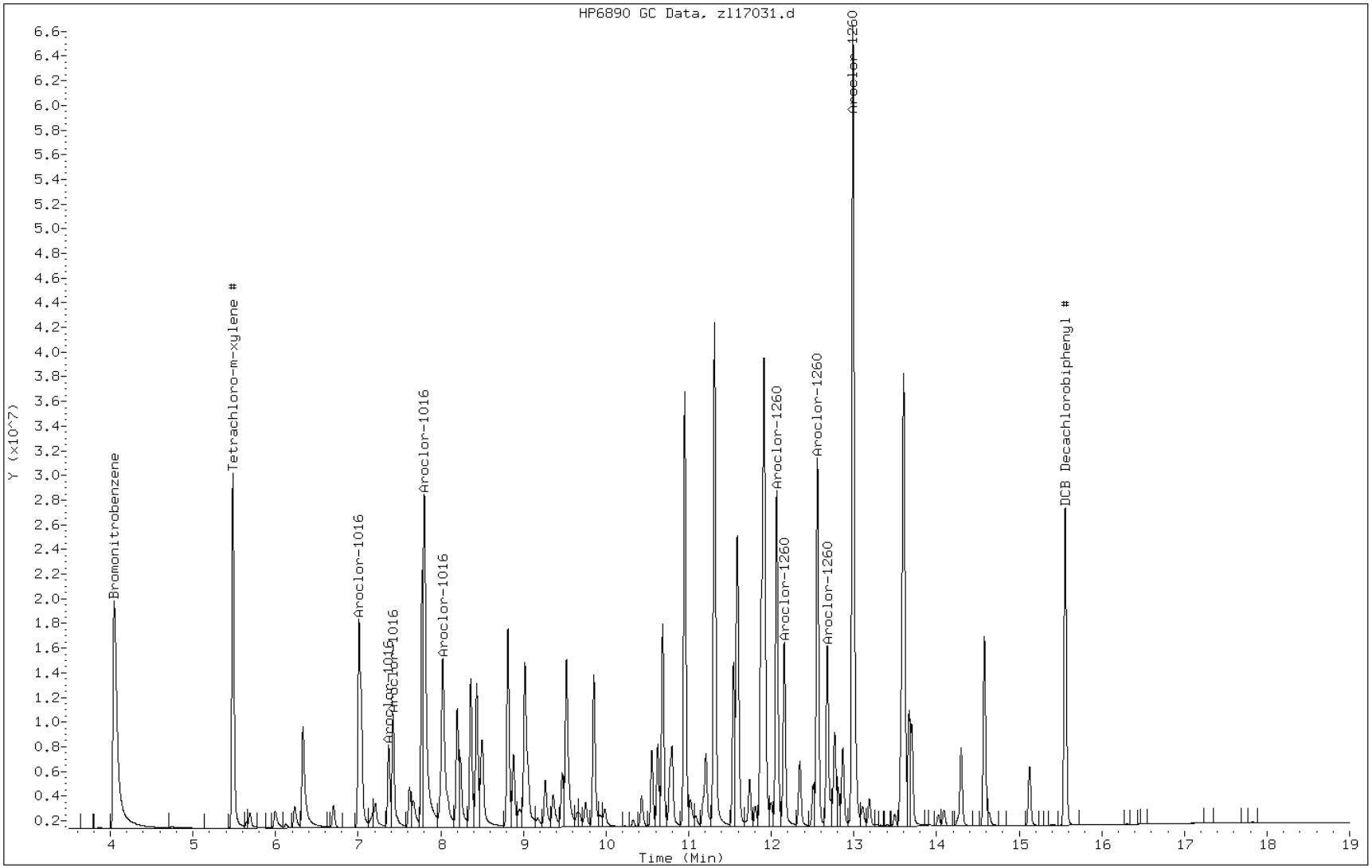
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.046	4.045 (1.000)	75462435	75462435	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.482	5.482 (1.355)	54537962	54537962	0.06400	0.0656 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
7.011	7.011 (1.733)	49406872	49406872	1.50000	1.38 80.00- 120.00	100.00
7.369	7.369 (1.821)	12929993	12929993	1.50000	1.42 21.81- 61.81	26.17
7.422	7.421 (1.835)	21652591	21652591	1.50000	1.34 57.04- 97.04	43.83
7.801	7.799 (1.928)	78985126	78985126	1.50000	1.30 244.79- 284.79	159.87
8.024	8.023 (1.983)	46599812	46599812	1.50000	1.35 130.07- 170.07	94.32
	Average of Peak Amounts =			1.36		
40 Aroclor-1260				CAS #: 11096-82-5		
12.066	12.066 (2.982)	56621509	56621509	1.50000	1.37 80.00- 120.00	100.00
12.157	12.158 (3.005)	32624698	32624698	1.50000	1.35 36.84- 76.84	57.62
12.559	12.557 (3.104)	62200595	62200595	1.50000	1.40 84.02- 124.02	109.85
12.679	12.678 (3.134)	33118932	33118932	1.50000	1.35 29.57- 69.57	58.49
12.989	12.989 (3.211)	139663286	139663286	1.50000	1.45 196.99- 236.99	246.66
	Average of Peak Amounts =			1.39		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.557	15.556 (3.845)	52793496	52793496	0.06400	0.0547 80.00- 120.00	100.00

Data File: zl17031.d

Date: 18-DEC-2012 01:21

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863044;1660-5~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17032.d
Lab Smp Id: IC-2863045;1660-4
Inj Date : 18-DEC-2012 01:45
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863045;1660-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 32 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

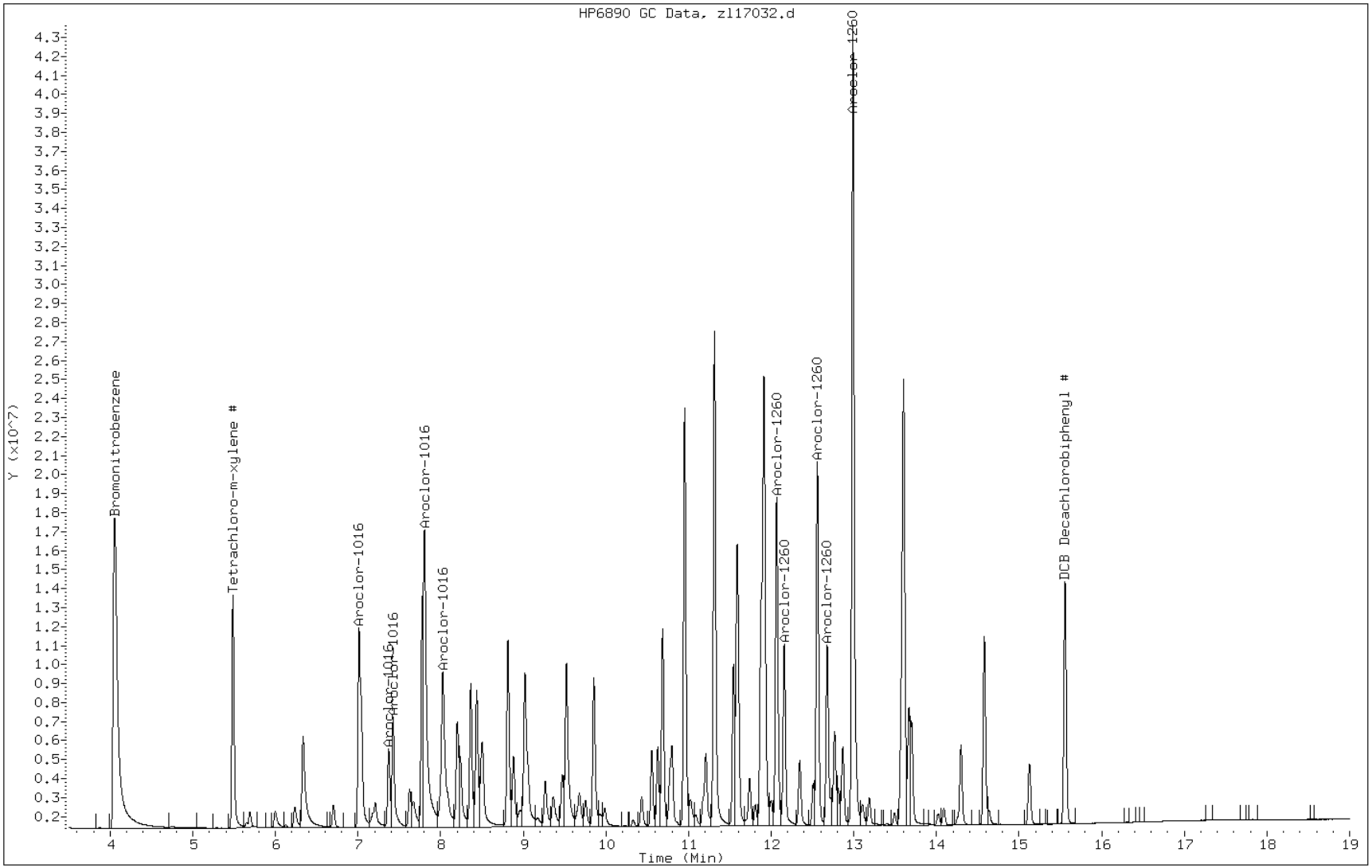
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.055	4.045 (1.000)	69877409	69877409	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.485	5.482 (1.353)	23936052	23936052	0.03200	0.0311 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
7.012	7.011 (1.729)	31360935	31360935	1.00000	0.946 80.00- 120.00	100.00
7.372	7.369 (1.818)	8140036	8140036	1.00000	0.966 21.81- 61.81	25.96
7.423	7.421 (1.831)	13978765	13978765	1.00000	0.933 57.04- 97.04	44.57
7.803	7.799 (1.924)	48946135	48946135	1.00000	0.872 244.79- 284.79	156.07
8.025	8.023 (1.979)	29769497	29769497	1.00000	0.933 130.07- 170.07	94.93
	Average of Peak Amounts =			0.93		
40 Aroclor-1260				CAS #: 11096-82-5		
12.067	12.066 (2.976)	36748983	36748983	1.00000	0.963 80.00- 120.00	100.00
12.157	12.158 (2.998)	21242764	21242764	1.00000	0.952 36.84- 76.84	57.81
12.558	12.557 (3.097)	40201951	40201951	1.00000	0.977 84.02- 124.02	109.40
12.678	12.678 (3.127)	21832798	21832798	1.00000	0.961 29.57- 69.57	59.41
12.990	12.989 (3.203)	89974101	89974101	1.00000	1.01 196.99- 236.99	244.83
	Average of Peak Amounts =			0.972		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.557	15.556 (3.836)	27159925	27159925	0.03200	0.0304 80.00- 120.00	100.00

Data File: zl17032.d

Date: 18-DEC-2012 01:45

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863045;1660-4~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17033.d
Lab Smp Id: IC-2863046;1660-3
Inj Date : 18-DEC-2012 02:09
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863046;1660-3~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 33 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

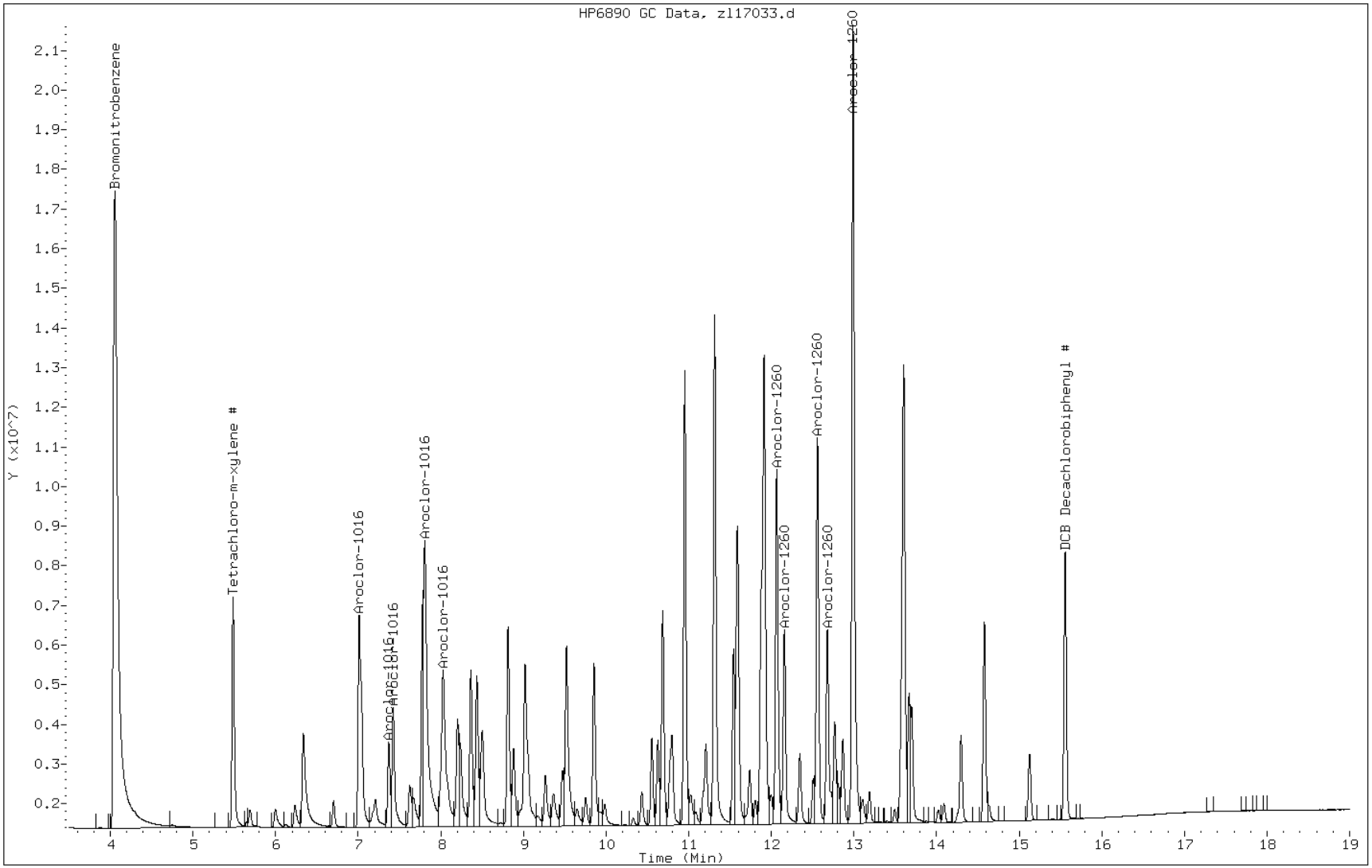
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.056	4.045 (1.000)	69721220	69721220	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.486	5.482 (1.353)	11739758	11739758	0.01600	0.0153 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
7.012	7.011 (1.729)	16656447	16656447	0.50000	0.503 80.00- 120.00	100.00
7.372	7.369 (1.818)	4265093	4265093	0.50000	0.507 21.81- 61.81	25.61
7.424	7.421 (1.831)	7507713	7507713	0.50000	0.502 57.04- 97.04	45.07
7.806	7.799 (1.925)	25990457	25990457	0.50000	0.464 244.79- 284.79	156.04
8.027	8.023 (1.979)	16106938	16106938	0.50000	0.506 130.07- 170.07	96.70
	Average of Peak Amounts =			0.497		
40 Aroclor-1260				CAS #: 11096-82-5		
12.066	12.066 (2.975)	19225199	19225199	0.50000	0.505 80.00- 120.00	100.00
12.157	12.158 (2.998)	11240245	11240245	0.50000	0.505 36.84- 76.84	58.47
12.559	12.557 (3.097)	20760640	20760640	0.50000	0.506 84.02- 124.02	107.99
12.679	12.678 (3.126)	11581842	11581842	0.50000	0.511 29.57- 69.57	60.24
12.989	12.989 (3.203)	44978878	44978878	0.50000	0.505 196.99- 236.99	233.96
	Average of Peak Amounts =			0.506		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.557	15.556 (3.836)	14271168	14271168	0.01600	0.0160 80.00- 120.00	100.00

Data File: zl17033.d

Date: 18-DEC-2012 02:09

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863046;1660-3~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17034.d
Lab Smp Id: IC-2863047;1660-2
Inj Date : 18-DEC-2012 02:33
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863047;1660-2~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 34 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

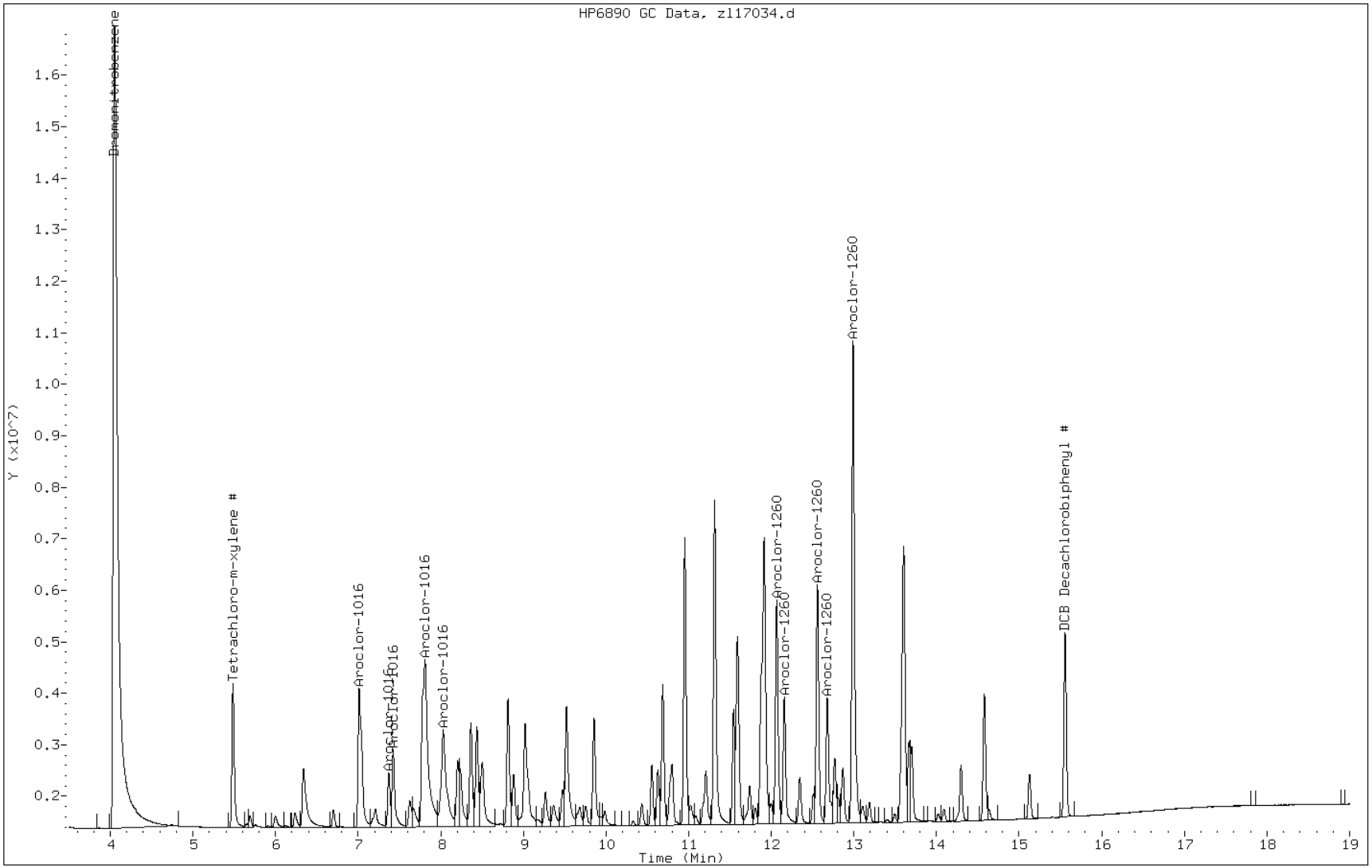
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.051	4.045 (1.000)	66933753	66933753	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.485	5.482 (1.354)	5881875	5881875	0.00800	0.00798 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
7.013	7.011 (1.731)	8523547	8523547	0.25000	0.268 80.00- 120.00	100.00
7.371	7.369 (1.819)	2106545	2106545	0.25000	0.261 21.81- 61.81	24.71
7.425	7.421 (1.833)	3897378	3897378	0.25000	0.272 57.04- 97.04	45.72
7.810	7.799 (1.928)	16521322	16521322	0.25000	0.307 244.79- 284.79	193.83
8.031	8.023 (1.982)	8396432	8396432	0.25000	0.275 130.07- 170.07	98.51
	Average of Peak Amounts =			0.277		
40 Aroclor-1260				CAS #: 11096-82-5		
12.068	12.066 (2.979)	9715617	9715617	0.25000	0.266 80.00- 120.00	100.00
12.158	12.158 (3.001)	5741940	5741940	0.25000	0.269 36.84- 76.84	59.10
12.560	12.557 (3.100)	10278251	10278251	0.25000	0.261 84.02- 124.02	105.79
12.678	12.678 (3.129)	5852330	5852330	0.25000	0.269 29.57- 69.57	60.24
12.990	12.989 (3.206)	21433005	21433005	0.25000	0.250 196.99- 236.99	220.60
	Average of Peak Amounts =			0.263		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.556	15.556 (3.840)	7650450	7650450	0.00800	0.00893 80.00- 120.00	100.00

Data File: zl17034.d

Date: 18-DEC-2012 02:33

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863047;1660-2~2Z121712~ Operator:



TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17035.d
Lab Smp Id: IC-2863048;1660-1
Inj Date : 18-DEC-2012 02:57
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863048;1660-1~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 35 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

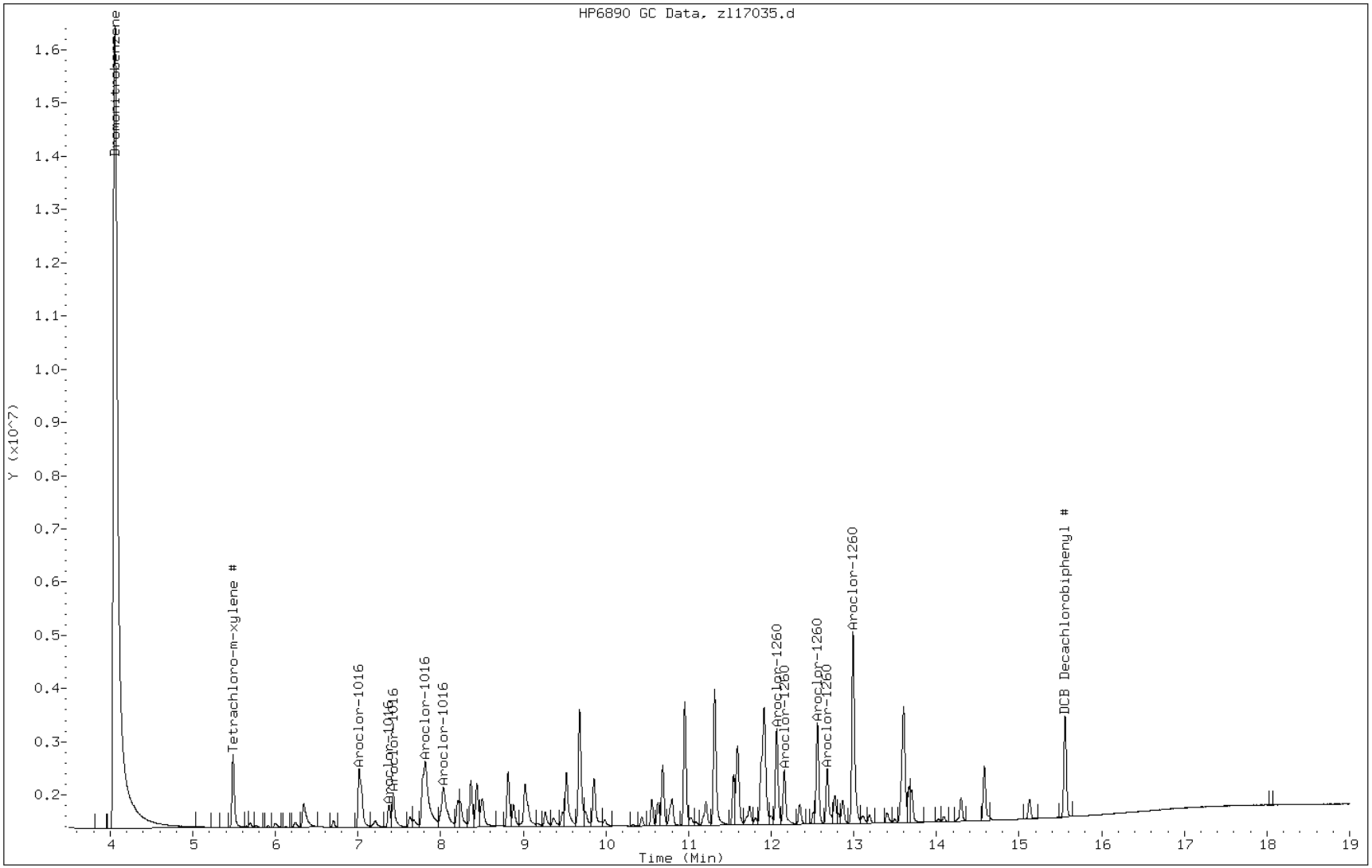
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.056	4.045 (1.000)	67595275	67595275	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.486	5.482 (1.353)	2887713	2887713	0.00400	0.00388 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
7.013	7.011 (1.729)	3595765	3595765	0.10000	0.112 80.00- 120.00	100.00
7.373	7.369 (1.818)	869887	869887	0.10000	0.107 21.81- 61.81	24.19
7.425	7.421 (1.830)	1724621	1724621	0.10000	0.119 57.04- 97.04	47.96
7.813	7.799 (1.926)	6738214	6738214	0.10000	0.124 244.79- 284.79	187.39
8.031	8.023 (1.980)	3531679	3531679	0.10000	0.114 130.07- 170.07	98.22
	Average of Peak Amounts =			0.115		
40 Aroclor-1260				CAS #: 11096-82-5		
12.066	12.066 (2.975)	4047432	4047432	0.10000	0.110 80.00- 120.00	100.00
12.158	12.158 (2.997)	2432159	2432159	0.10000	0.113 36.84- 76.84	60.09
12.560	12.557 (3.096)	4216921	4216921	0.10000	0.106 84.02- 124.02	104.19
12.678	12.678 (3.125)	2430405	2430405	0.10000	0.110 29.57- 69.57	60.05
12.990	12.989 (3.202)	8563217	8563217	0.10000	0.0991 196.99- 236.99	211.57
	Average of Peak Amounts =			0.108		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.556	15.556 (3.835)	4088509	4088509	0.00400	0.00473 80.00- 120.00	100.00

Data File: zl17035.d

Date: 18-DEC-2012 02:57

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863048;1660-1~2Z121712~ Operator:



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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:21 Calibration End Date: 12/18/2012 03:21 Calibration ID: 15248

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/13	zl17036.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0101					Ave		0.0101						20.0			
PCB-1221 Peak 2	0.0053					Ave		0.0053						20.0			
PCB-1221 Peak 3	0.0259					Ave		0.0259						20.0			
PCB-1254 Peak 1	0.0369					Ave		0.0369						20.0			
PCB-1254 Peak 2	0.0475					Ave		0.0475						20.0			
PCB-1254 Peak 3	0.0644					Ave		0.0644						20.0			
PCB-1254 Peak 4	0.0576					Ave		0.0576						20.0			
PCB-1254 Peak 5	0.0545					Ave		0.0545						20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:21 Calibration End Date: 12/18/2012 03:21 Calibration ID: 15248

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/13	zl17036.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	6538368					1.00				
PCB-1221 Peak 2	BNB	Ave	3461417					1.00				
PCB-1221 Peak 3	BNB	Ave	16742593					1.00				
PCB-1254 Peak 1	BNB	Ave	23862161					1.00				
PCB-1254 Peak 2	BNB	Ave	30775441					1.00				
PCB-1254 Peak 3	BNB	Ave	41665222					1.00				
PCB-1254 Peak 4	BNB	Ave	37300450					1.00				
PCB-1254 Peak 5	BNB	Ave	35306622					1.00				

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17036.d
Lab Smp Id: IC-2863099;21/54-4
Inj Date : 18-DEC-2012 03:21
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863099;21/54-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 36 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

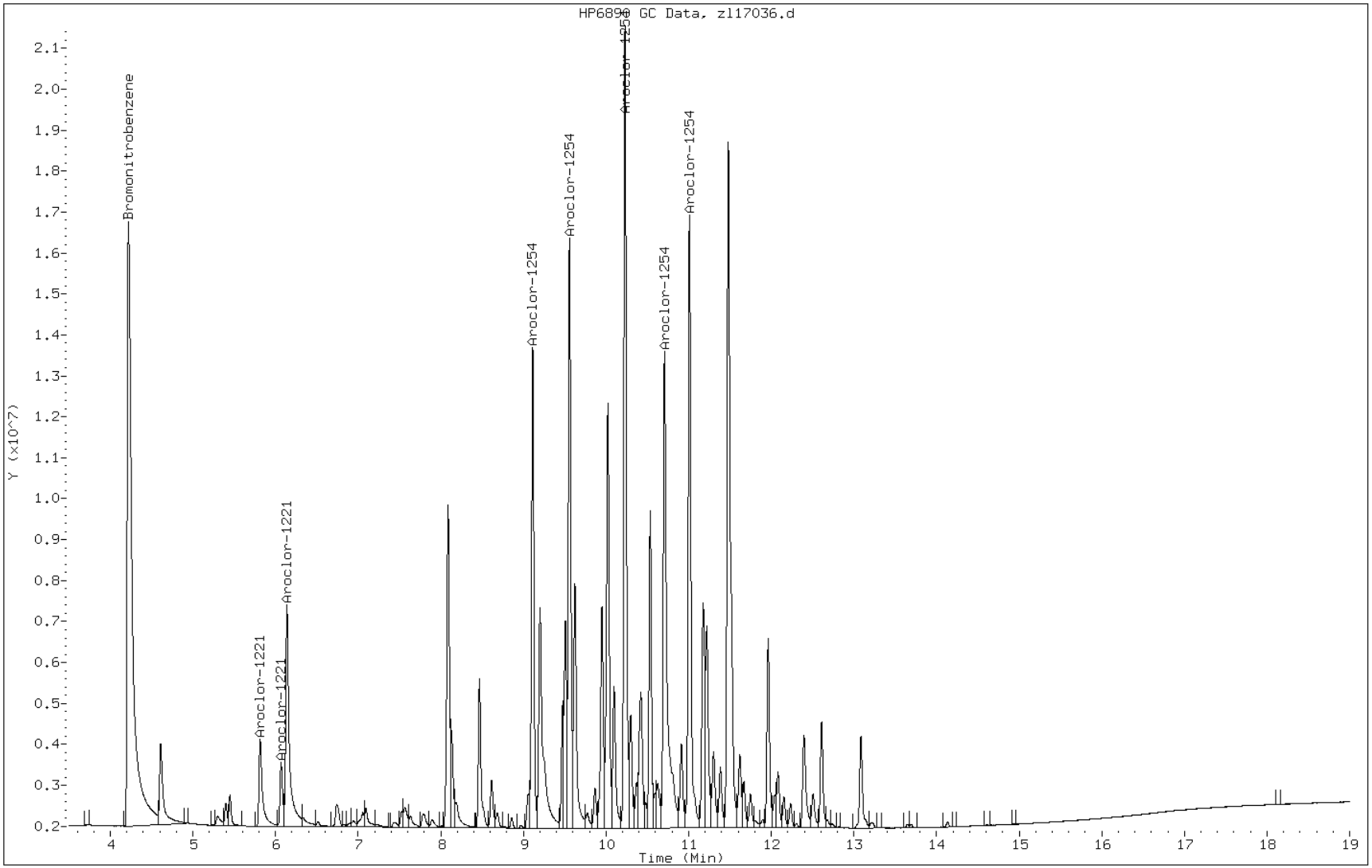
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.221	4.221 (1.000)	64740213	64740213	0.10000	0.100 80.00- 120.00	100.00
35 Aroclor-1221				CAS #: 11104-28-2		
5.814	5.814 (1.377)	6538368	6538368	1.00000	1.000 80.00- 120.00	100.00
6.068	6.068 (1.437)	3461417	3461417	1.00000	1.000 36.22- 76.22	52.94
6.138	6.138 (1.454)	16742593	16742593	1.00000	1.000 225.49- 265.49	256.07
	Average of Peak Amounts =			0.1		
39 Aroclor-1254				CAS #: 11097-69-1		
9.113	9.113 (2.159)	23862161	23862161	1.00000	1.000 80.00- 120.00	100.00
9.558	9.558 (2.264)	30775441	30775441	1.00000	1.000 110.79- 150.79	128.97
10.229	10.229 (2.423)	41665222	41665222	1.00000	1.000 147.87- 187.87	174.61
10.708	10.708 (2.537)	37300450	37300450	1.00000	1.000 35.73- 75.73	156.32
11.009	11.009 (2.608)	35306622	35306622	1.00000	1.000 0.00- 20.00	147.96
	Average of Peak Amounts =			0.1		

Data File: zl17036.d

Date: 18-DEC-2012 03:21

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863099;21/54-4~2Z121712~ Operator:



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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:21 Calibration End Date: 12/18/2012 03:21 Calibration ID: 15253

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/13	zl17036.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0127					Ave		0.0127						20.0			
PCB-1221 Peak 2	0.0081					Ave		0.0081						20.0			
PCB-1221 Peak 3	0.0328					Ave		0.0328						20.0			
PCB-1254 Peak 1	0.0539					Ave		0.0539						20.0			
PCB-1254 Peak 2	0.0537					Ave		0.0537						20.0			
PCB-1254 Peak 3	0.0735					Ave		0.0735						20.0			
PCB-1254 Peak 4	0.0569					Ave		0.0569						20.0			
PCB-1254 Peak 5	0.0438					Ave		0.0438						20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:21 Calibration End Date: 12/18/2012 03:21 Calibration ID: 15253

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/13	zl17036.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	8676146					1.00				
PCB-1221 Peak 2	BNB	Ave	5530530					1.00				
PCB-1221 Peak 3	BNB	Ave	22491917					1.00				
PCB-1254 Peak 1	BNB	Ave	36917165					1.00				
PCB-1254 Peak 2	BNB	Ave	36759456					1.00				
PCB-1254 Peak 3	BNB	Ave	50347395					1.00				
PCB-1254 Peak 4	BNB	Ave	38953538					1.00				
PCB-1254 Peak 5	BNB	Ave	30038081					1.00				

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17036.d
Lab Smp Id: IC-2863099;21/54-4
Inj Date : 18-DEC-2012 03:21
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863099;21/54-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 36 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG2154.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

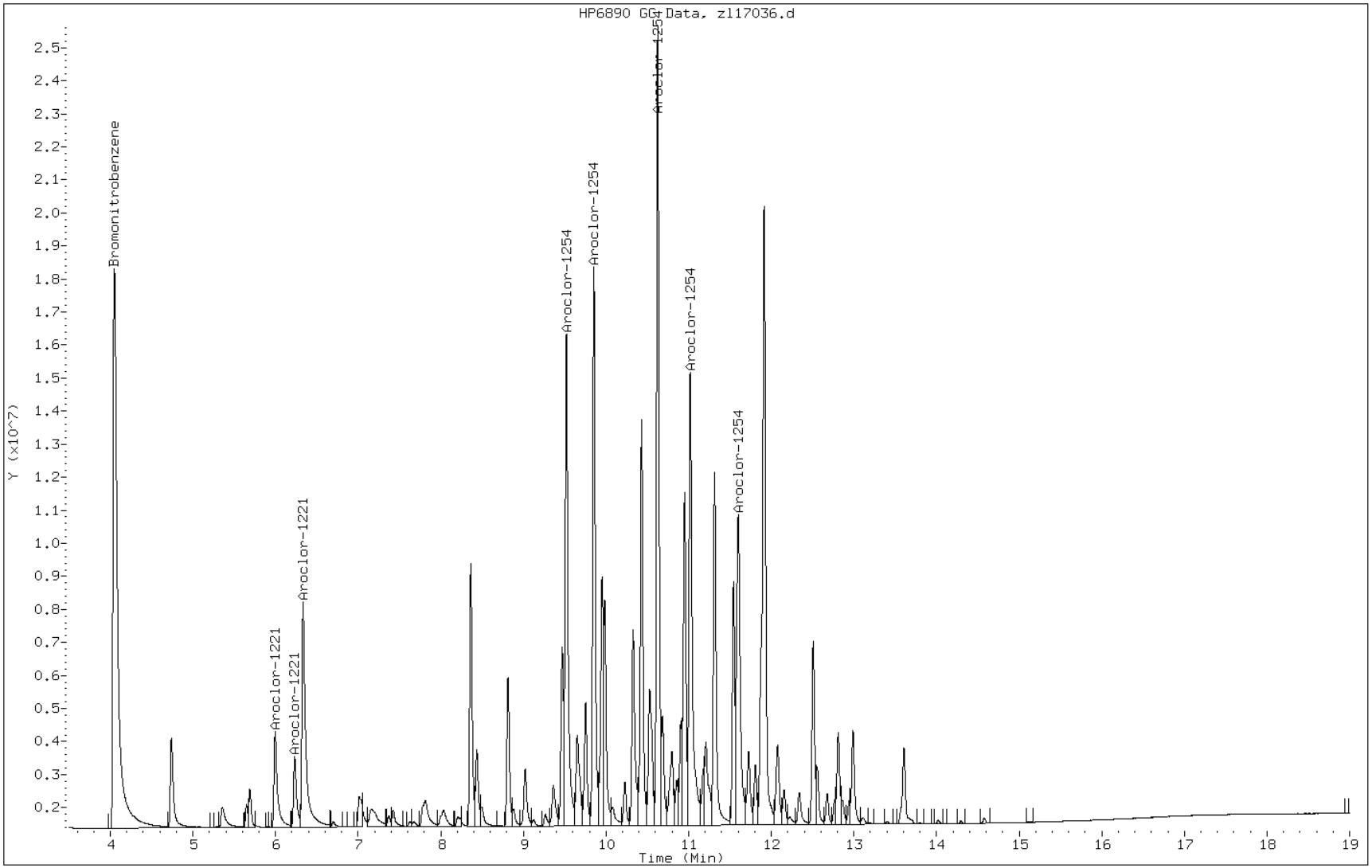
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.048	4.045 (1.000)	68507763	68507763	0.10000	0.100 80.00- 120.00	100.00
35 Aroclor-1221				CAS #: 11104-28-2		
5.996	5.996 (1.481)	8676146	8676146	1.00000	1.000 80.00- 120.00	100.00
6.233	6.233 (1.540)	5530530	5530530	1.00000	1.000 39.54- 79.54	63.74
6.334	6.334 (1.565)	22491917	22491917	1.00000	1.000 237.20- 277.20	259.24
	Average of Peak Amounts =			0.1		
39 Aroclor-1254				CAS #: 11097-69-1		
9.521	9.521 (2.352)	36917165	36917165	1.00000	1.000 80.00- 120.00	100.00
9.853	9.853 (2.434)	36759456	36759456	1.00000	1.000 77.34- 117.34	99.57
10.626	10.626 (2.625)	50347395	50347395	1.00000	1.000 116.51- 156.51	136.38
11.019	11.019 (2.722)	38953538	38953538	1.00000	1.000 83.59- 123.59	105.52
11.601	11.601 (2.866)	30038081	30038081	1.00000	1.000 19.72- 59.72	81.37
	Average of Peak Amounts =			0.1		

Data File: zl17036.d

Date: 18-DEC-2012 03:21

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863099;21/54-4~2Z121712~ Operator:



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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:45 Calibration End Date: 12/18/2012 03:45 Calibration ID: 15249

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/14	zl17037.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0158					Ave		0.0158						20.0			
PCB-1232 Peak 2	0.0199					Ave		0.0199						20.0			
PCB-1232 Peak 3	0.0143					Ave		0.0143						20.0			
PCB-1232 Peak 4	0.0100					Ave		0.0100						20.0			
PCB-1232 Peak 5	0.0090					Ave		0.0090						20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:45 Calibration End Date: 12/18/2012 03:45 Calibration ID: 15249

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/14	zl17037.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	9770727					1.00				
PCB-1232 Peak 2	BNB	Ave	12291477					1.00				
PCB-1232 Peak 3	BNB	Ave	8867756					1.00				
PCB-1232 Peak 4	BNB	Ave	6206867					1.00				
PCB-1232 Peak 5	BNB	Ave	5567203					1.00				

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17037.d
Lab Smp Id: IC-2863118;32/62-4
Inj Date : 18-DEC-2012 03:45
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863118;32/62-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 37 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG3262.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

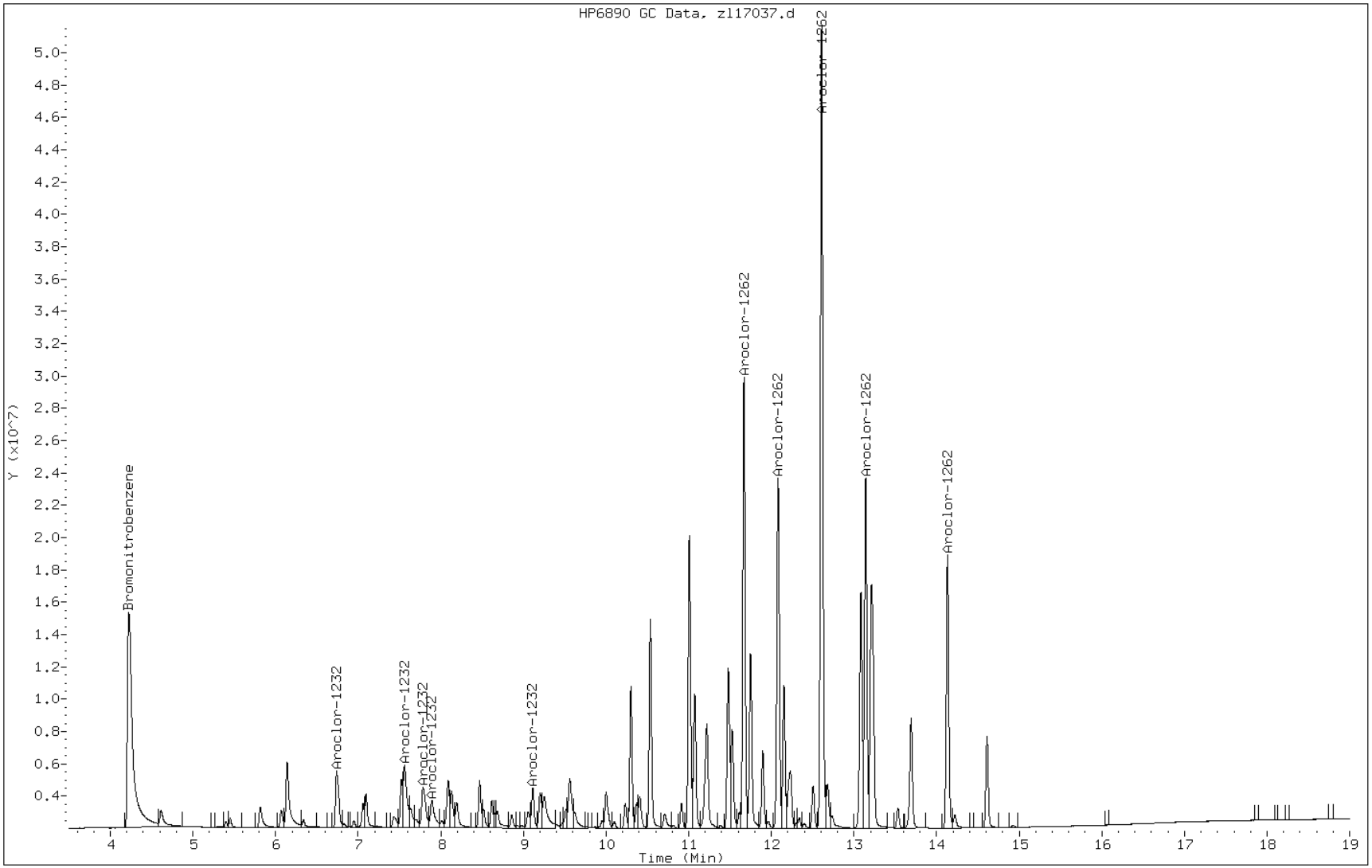
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.224	4.224 (1.000)	61819270	61819270	0.10000	0.100 80.00- 120.00	100.00
36 Aroclor-1232				CAS #: 11141-16-5		
6.739	6.739 (1.595)	9770727	9770727	1.00000	1.000 80.00- 120.00	100.00
7.562	7.562 (1.790)	12291477	12291477	1.00000	1.000 108.94- 148.94	125.80
7.784	7.784 (1.843)	8867756	8867756	1.00000	1.000 70.16- 110.16	90.76
7.892	7.892 (1.868)	6206867	6206867	1.00000	1.000 42.90- 82.90	63.53
9.112	9.112 (2.157)	5567203	5567203	1.00000	1.000 30.36- 70.36	56.98
Average of Peak Amounts =				0.1		
41 Aroclor-1262				CAS #: 37324-23-5H		
11.670	11.670 (2.763)	55550521	55550521	1.00000	1.000 80.00- 120.00	100.00
12.082	12.082 (2.861)	45605148	45605148	1.00000	1.000 72.88- 112.88	82.10
12.609	12.609 (2.985)	102915200	102915200	1.00000	1.000 167.18- 207.18	185.26
13.142	13.142 (3.111)	44537424	44537424	1.00000	1.000 57.94- 97.94	80.17
14.132	14.132 (3.346)	35072555	35072555	1.00000	1.000 43.81- 83.81	63.14

Data File: zl17037.d

Date: 18-DEC-2012 03:45

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863118;32/62-4~2Z121712~ Operator:



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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:45 Calibration End Date: 12/18/2012 03:45 Calibration ID: 15254

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/14	zl17037.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0216					Ave		0.0216						20.0			
PCB-1232 Peak 2	0.0055					Ave		0.0055						20.0			
PCB-1232 Peak 3	0.0097					Ave		0.0097						20.0			
PCB-1232 Peak 4	0.0413					Ave		0.0413						20.0			
PCB-1232 Peak 5	0.0199					Ave		0.0199						20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 03:45 Calibration End Date: 12/18/2012 03:45 Calibration ID: 15254

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/14	zl17037.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	14237705					1.00				
PCB-1232 Peak 2	BNB	Ave	3595774					1.00				
PCB-1232 Peak 3	BNB	Ave	6376308					1.00				
PCB-1232 Peak 4	BNB	Ave	27193385					1.00				
PCB-1232 Peak 5	BNB	Ave	13113974					1.00				

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17037.d
Lab Smp Id: IC-2863118;32/62-4
Inj Date : 18-DEC-2012 03:45
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863118;32/62-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 37 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG3262.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.054	4.045 (1.000)	65832962	65832962	0.10000	0.100 80.00- 120.00	100.00
36 Aroclor-1232				CAS #: 11141-16-5		
7.012	7.012 (0.000)	14237705	14237705	1.00000	1.000 80.00- 120.00	100.00(M)
7.370	7.370 (0.000)	3595774	3595774	1.00000	1.000 25.40- 65.40	25.26
7.424	7.424 (0.000)	6376308	6376308	1.00000	1.000 61.36- 101.36	44.78
7.807	7.807 (0.000)	27193385	27193385	1.00000	1.000 249.43- 289.43	191.00
8.029	8.029 (0.000)	13113974	13113974	1.00000	1.000 149.00- 189.00	92.11
Average of Peak Amounts =				0.1		
41 Aroclor-1262				CAS #: 37324-23-5H		
12.065	12.065 (2.999)	54147759	54147759	1.00000	1.000 80.00- 120.00	100.00(M)
12.559	12.559 (3.128)	50584946	50584946	1.00000	1.000 73.82- 113.82	93.42
12.989	12.989 (3.233)	100014433	100014433	1.00000	1.000 168.39- 208.39	184.71
13.594	13.594 (3.372)	69879673	69879673	1.00000	1.000 108.23- 148.23	129.05
14.579	14.579 (3.610)	34189032	34189032	1.00000	1.000 40.82- 80.82	63.14

QC Flag Legend

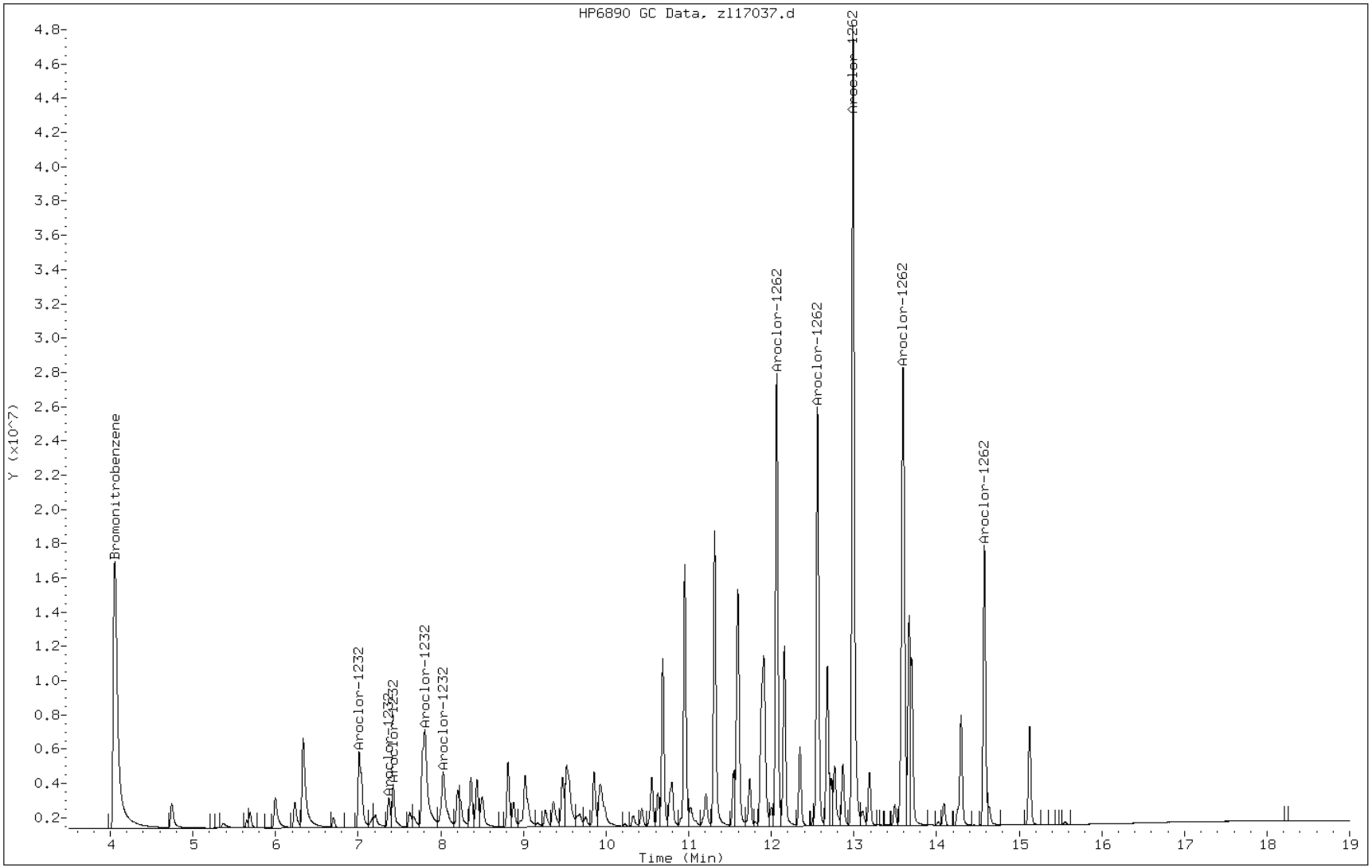
M - Compound response manually integrated.

Data File: zl17037.d

Date: 18-DEC-2012 03:45

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863118;32/62-4~2Z121712~ Operator:



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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:09 Calibration End Date: 12/18/2012 04:09 Calibration ID: 15250

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/15	zl17038.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0284					Ave		0.0284						20.0			
PCB-1242 Peak 2	0.0352					Ave		0.0352						20.0			
PCB-1242 Peak 3	0.0259					Ave		0.0259						20.0			
PCB-1242 Peak 4	0.0178					Ave		0.0178						20.0			
PCB-1242 Peak 5	0.0065					Ave		0.0065						20.0			
PCB-1268 Peak 1	0.2291					Ave		0.2291						20.0			
PCB-1268 Peak 2	0.2060					Ave		0.2060						20.0			
PCB-1268 Peak 3	0.1613					Ave		0.1613						20.0			
PCB-1268 Peak 4	0.0640					Ave		0.0640						20.0			
PCB-1268 Peak 5	0.4465					Ave		0.4465						20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:09 Calibration End Date: 12/18/2012 04:09 Calibration ID: 15250

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/15	zl17038.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	17406644					1.00				
PCB-1242 Peak 2	BNB	Ave	21566340					1.00				
PCB-1242 Peak 3	BNB	Ave	15860951					1.00				
PCB-1242 Peak 4	BNB	Ave	10876367					1.00				
PCB-1242 Peak 5	BNB	Ave	4002803					1.00				
PCB-1268 Peak 1	BNB	Ave	140289055					1.00				
PCB-1268 Peak 2	BNB	Ave	126151971					1.00				
PCB-1268 Peak 3	BNB	Ave	98730343					1.00				
PCB-1268 Peak 4	BNB	Ave	39156767					1.00				
PCB-1268 Peak 5	BNB	Ave	273387458					1.00				

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17038.d
Lab Smp Id: IC-2863119;42/68-4
Inj Date : 18-DEC-2012 04:09
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863119;42/68-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 38 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG4268.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

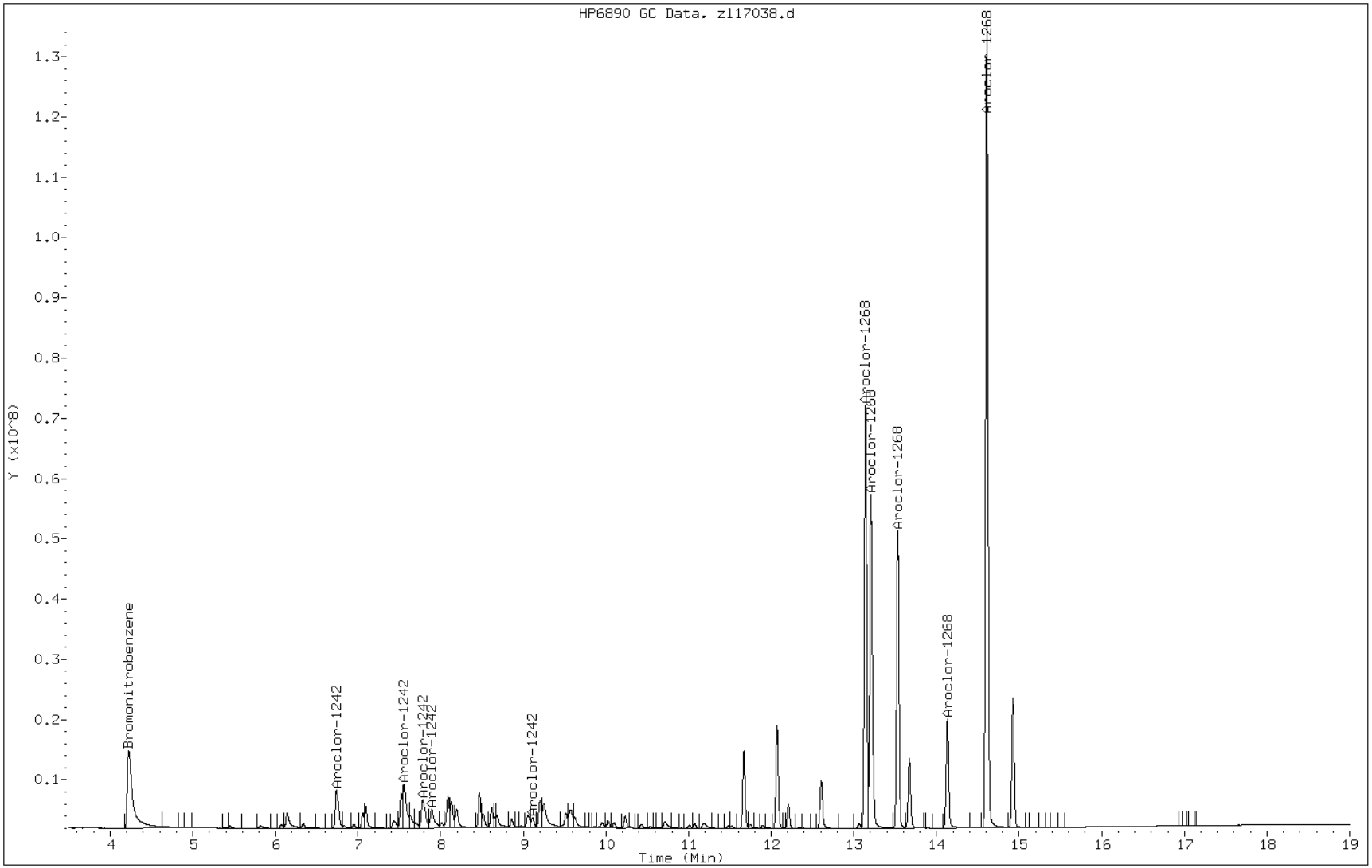
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.227	4.227 (1.000)	61226174	61226174	0.10000	0.100 80.00- 120.00	100.00
37 Aroclor-1242				CAS #: 53469-21-9		
6.738	6.738 (1.594)	17406644	17406644	1.00000	1.000 80.00- 120.00	100.00
7.558	7.558 (1.788)	21566340	21566340	1.00000	1.000 104.27- 144.27	123.90
7.780	7.780 (1.841)	15860951	15860951	1.00000	1.000 67.66- 107.66	91.12
7.890	7.890 (1.867)	10876367	10876367	1.00000	1.000 38.49- 78.49	62.48
9.112	9.112 (2.156)	4002803	4002803	1.00000	1.000 0.00- 39.47	23.00
	Average of Peak Amounts =			0.1		
42 Aroclor-1268				CAS #: 11100-14-4		
13.142	13.142 (3.109)	140289055	140289055	1.00000	1.000 80.00- 120.00	100.00
13.207	13.207 (3.125)	126151971	126151971	1.00000	1.000 72.80- 112.80	89.92
13.532	13.532 (3.202)	98730343	98730343	1.00000	1.000 52.71- 92.71	70.38
14.132	14.132 (3.343)	39156767	39156767	1.00000	1.000 9.11- 49.11	27.91
14.610	14.610 (3.457)	273387458	273387458	1.00000	1.000 196.50- 236.50	194.87
	Average of Peak Amounts =			0.1		

Data File: zl17038.d

Date: 18-DEC-2012 04:09

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863119;42/68-4~2Z121712~ Operator:



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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:09 Calibration End Date: 12/18/2012 04:09 Calibration ID: 15255

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/15	zl17038.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0365					Ave		0.0365						20.0			
PCB-1242 Peak 2	0.0092					Ave		0.0092						20.0			
PCB-1242 Peak 3	0.0158					Ave		0.0158						20.0			
PCB-1242 Peak 4	0.0548					Ave		0.0548						20.0			
PCB-1242 Peak 5	0.0341					Ave		0.0341						20.0			
PCB-1268 Peak 1	0.1983					Ave		0.1983						20.0			
PCB-1268 Peak 2	0.1794					Ave		0.1794						20.0			
PCB-1268 Peak 3	0.1385					Ave		0.1385						20.0			
PCB-1268 Peak 4	0.0584					Ave		0.0584						20.0			
PCB-1268 Peak 5	0.4105					Ave		0.4105						20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:09 Calibration End Date: 12/18/2012 04:09 Calibration ID: 15255

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/15	zl17038.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	23587276					1.00				
PCB-1242 Peak 2	BNB	Ave	5945003					1.00				
PCB-1242 Peak 3	BNB	Ave	10224194					1.00				
PCB-1242 Peak 4	BNB	Ave	35423625					1.00				
PCB-1242 Peak 5	BNB	Ave	22038066					1.00				
PCB-1268 Peak 1	BNB	Ave	128279697					1.00				
PCB-1268 Peak 2	BNB	Ave	116057532					1.00				
PCB-1268 Peak 3	BNB	Ave	89577076					1.00				
PCB-1268 Peak 4	BNB	Ave	37780834					1.00				
PCB-1268 Peak 5	BNB	Ave	265546186					1.00				

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17038.d
Lab Smp Id: IC-2863119;42/68-4
Inj Date : 18-DEC-2012 04:09
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863119;42/68-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 38 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG4268.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

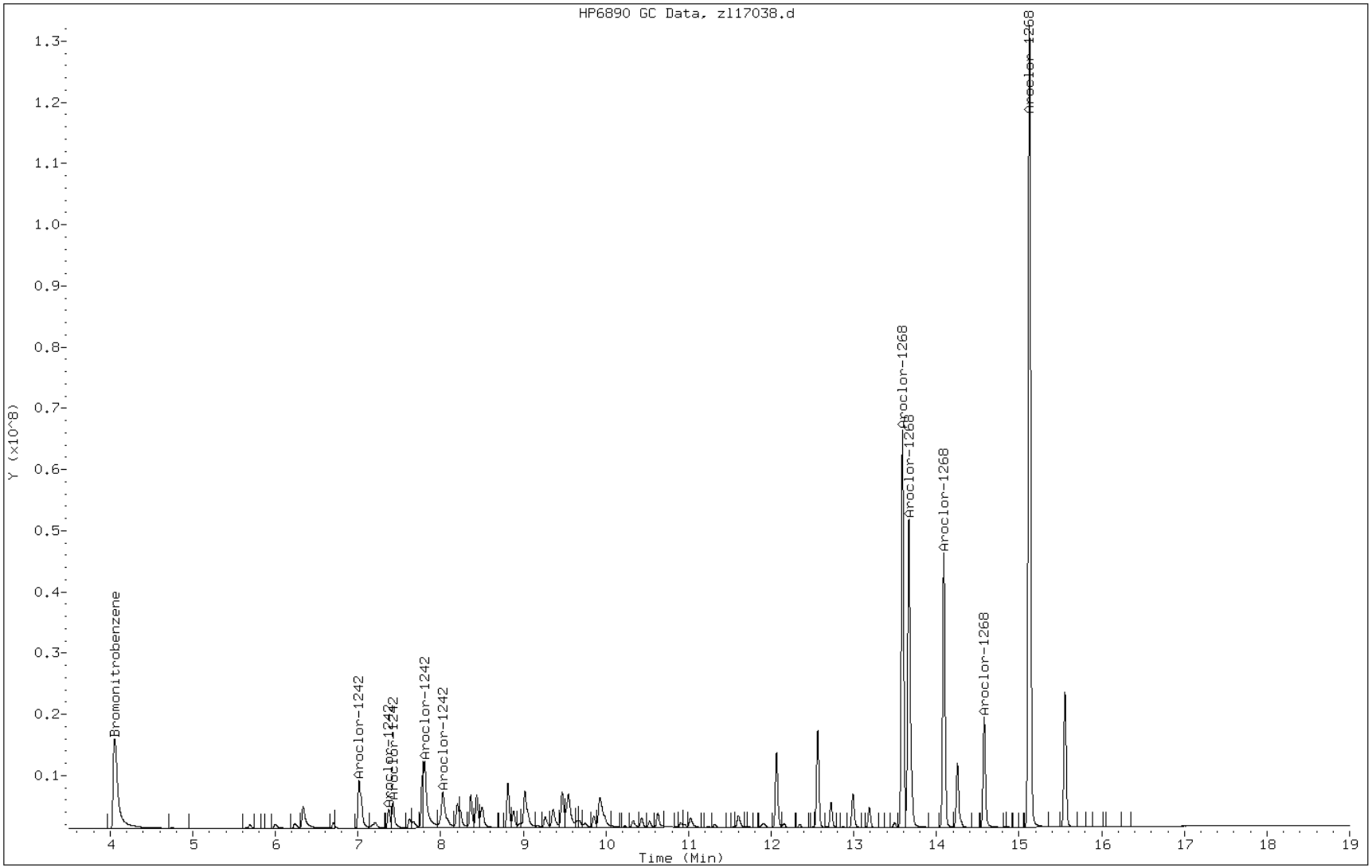
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.053	4.045 (1.000)	64682721	64682721	0.10000	0.100 80.00- 120.00	100.00
37 Aroclor-1242				CAS #: 53469-21-9		
7.012	7.012 (1.730)	23587276	23587276	1.00000	1.000 80.00- 120.00	100.00
7.370	7.370 (1.818)	5945003	5945003	1.00000	1.000 22.42- 62.42	25.20
7.423	7.423 (1.831)	10224194	10224194	1.00000	1.000 53.46- 93.46	43.35
7.803	7.803 (1.925)	35423625	35423625	1.00000	1.000 233.45- 273.45	150.18
8.027	8.027 (1.980)	22038066	22038066	1.00000	1.000 137.35- 177.35	93.43
Average of Peak Amounts =				0.1		
42 Aroclor-1268				CAS #: 11100-14-4		
13.588	13.588 (3.352)	128279697	128279697	1.00000	1.000 80.00- 120.00	100.00
13.667	13.667 (3.372)	116057532	116057532	1.00000	1.000 71.57- 111.57	90.47
14.090	14.090 (3.476)	89577076	89577076	1.00000	1.000 51.05- 91.05	69.83
14.578	14.578 (3.597)	37780834	37780834	1.00000	1.000 8.56- 48.56	29.45
15.125	15.125 (3.732)	265546186	265546186	1.00000	1.000 199.85- 239.85	207.01
Average of Peak Amounts =				0.1		

Data File: zl17038.d

Date: 18-DEC-2012 04:09

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863119;42/68-4~2Z121712~ Operator:



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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:33 Calibration End Date: 12/18/2012 04:33 Calibration ID: 15251

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/16	zl17039.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0143					Ave		0.0143						20.0			
PCB-1248 Peak 2	0.0052					Ave		0.0052						20.0			
PCB-1248 Peak 3	0.0190					Ave		0.0190						20.0			
PCB-1248 Peak 4	0.0221					Ave		0.0221						20.0			
PCB-1248 Peak 5	0.0221					Ave		0.0221						20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP I ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:33 Calibration End Date: 12/18/2012 04:33 Calibration ID: 15251

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/16	zl17039.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	9013100					1.00				
PCB-1248 Peak 2	BNB	Ave	3243474					1.00				
PCB-1248 Peak 3	BNB	Ave	11918739					1.00				
PCB-1248 Peak 4	BNB	Ave	13908721					1.00				
PCB-1248 Peak 5	BNB	Ave	13884302					1.00				

Curve Type Legend:

Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/2Z121712.b/zl17039.d
Lab Smp Id: IC-2863120;1248-4
Inj Date : 18-DEC-2012 04:33
Operator : Inst ID: SGZECD1.i
Smp Info : IC-2863120;1248-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/2Z121712.b/z3-808182-e1.m
Meth Date : 19-Dec-2012 13:11 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 39 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG48.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.230	4.230 (1.000)	62880402	62880402	0.10000	0.100 80.00- 120.00	100.00
38 Aroclor-1248				CAS #: 12672-29-6		
6.738	6.738 (1.593)	9013100	9013100	1.00000	1.000 80.00- 120.00	100.00
7.095	7.095 (1.677)	3243474	3243474	1.00000	1.000 13.95- 53.95	35.99
7.561	7.561 (1.788)	11918739	11918739	1.00000	1.000 124.69- 164.69	132.24
8.131	8.131 (1.922)	13908721	13908721	1.00000	1.000 26.38- 66.38	154.32
8.191	8.191 (1.937)	13884302	13884302	1.00000	1.000 41.23- 81.23	154.05

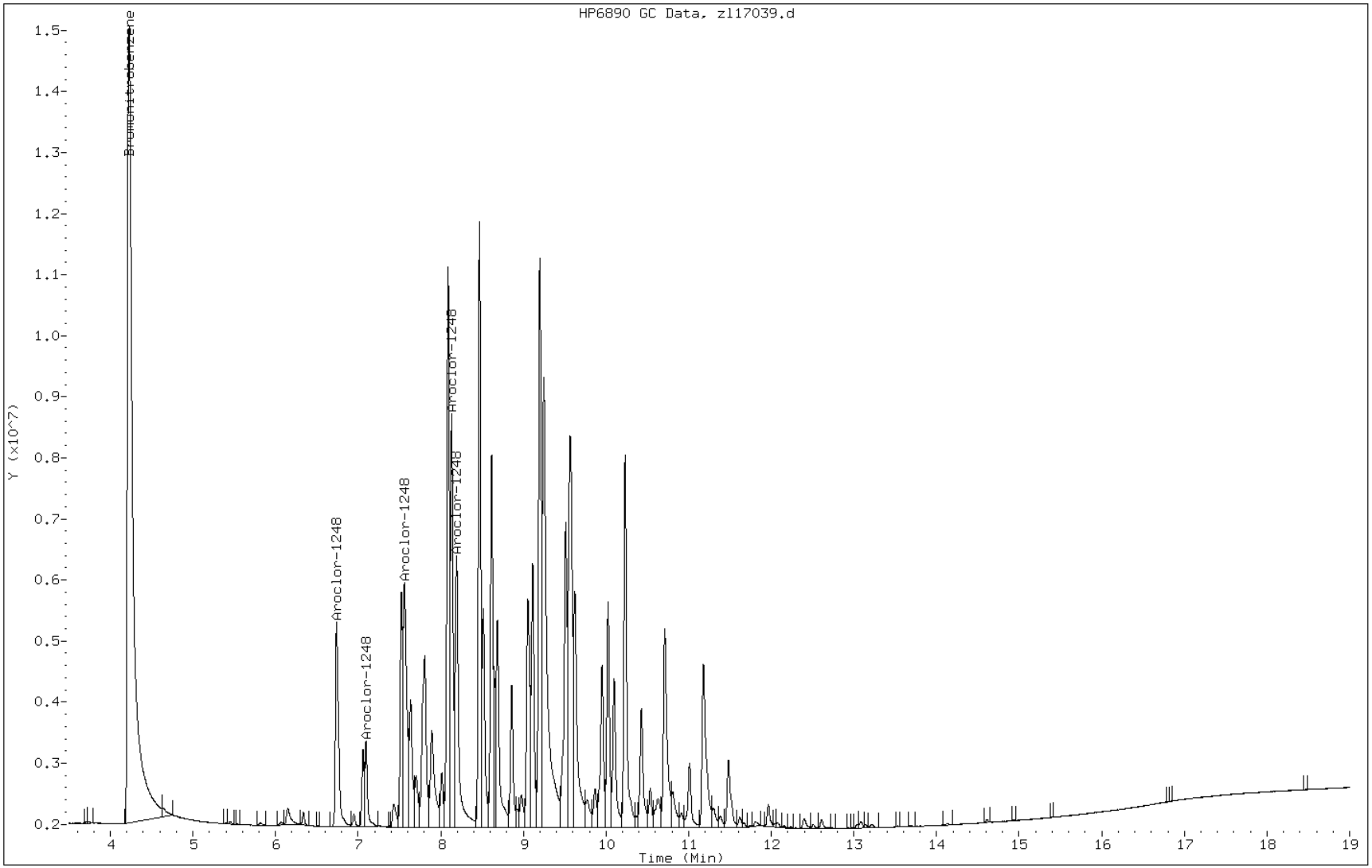
Average of Peak Amounts = 0.1

Data File: zl17039.d

Date: 18-DEC-2012 04:33

Client ID: Instrument: SGZECD1.i

Sample Info: IC-2863120;1248-4~2Z121712~ Operator:



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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:33 Calibration End Date: 12/18/2012 04:33 Calibration ID: 15256

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/16	zl17039.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0180					Ave		0.0180						20.0			
PCB-1248 Peak 2	0.0316					Ave		0.0316						20.0			
PCB-1248 Peak 3	0.0435					Ave		0.0435						20.0			
PCB-1248 Peak 4	0.0113					Ave		0.0113						20.0			
PCB-1248 Peak 5	0.0219					Ave		0.0219						20.0			

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

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

Lab Name: TestAmerica Savannah Job No.: 680-85785-5 Analy Batch No.: 260421

SDG No.: 68085785-5

Instrument ID: SGZ GC Column: CLP II ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/18/2012 04:33 Calibration End Date: 12/18/2012 04:33 Calibration ID: 15256

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 680-260421/16	zl17039.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	12161252					1.00				
PCB-1248 Peak 2	BNB	Ave	21380111					1.00				
PCB-1248 Peak 3	BNB	Ave	29465176					1.00				
PCB-1248 Peak 4	BNB	Ave	7640156					1.00				
PCB-1248 Peak 5	BNB	Ave	14810056					1.00				

Curve Type Legend:
Ave = Average ISTD

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/2Z121712.b/zl17039.d
Lab Smp Id: IC-2863120;1248-4
Inj Date : 18-DEC-2012 04:33
Operator : Inst ID: SGZECD2.i
Smp Info : IC-2863120;1248-4~2Z121712~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/2Z121712.b/z3-808182-e2.m
Meth Date : 19-Dec-2012 14:31 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 39 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG48.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.055	4.045 (1.000)	67749345	67749345	0.10000	0.100 80.00- 120.00	100.00
38 Aroclor-1248				CAS #: 12672-29-6		
7.013	7.013 (1.730)	12161252	12161252	1.00000	1.000 80.00- 120.00	100.00
7.805	7.805 (1.925)	21380111	21380111	1.00000	1.000 165.07- 205.07	175.81
9.020	9.020 (2.225)	29465176	29465176	1.00000	1.000 237.97- 277.97	242.29
9.266	9.266 (2.285)	7640156	7640156	1.00000	1.000 43.26- 83.26	62.82
9.360	9.360 (2.308)	14810056	14810056	1.00000	1.000 98.87- 138.87	121.78

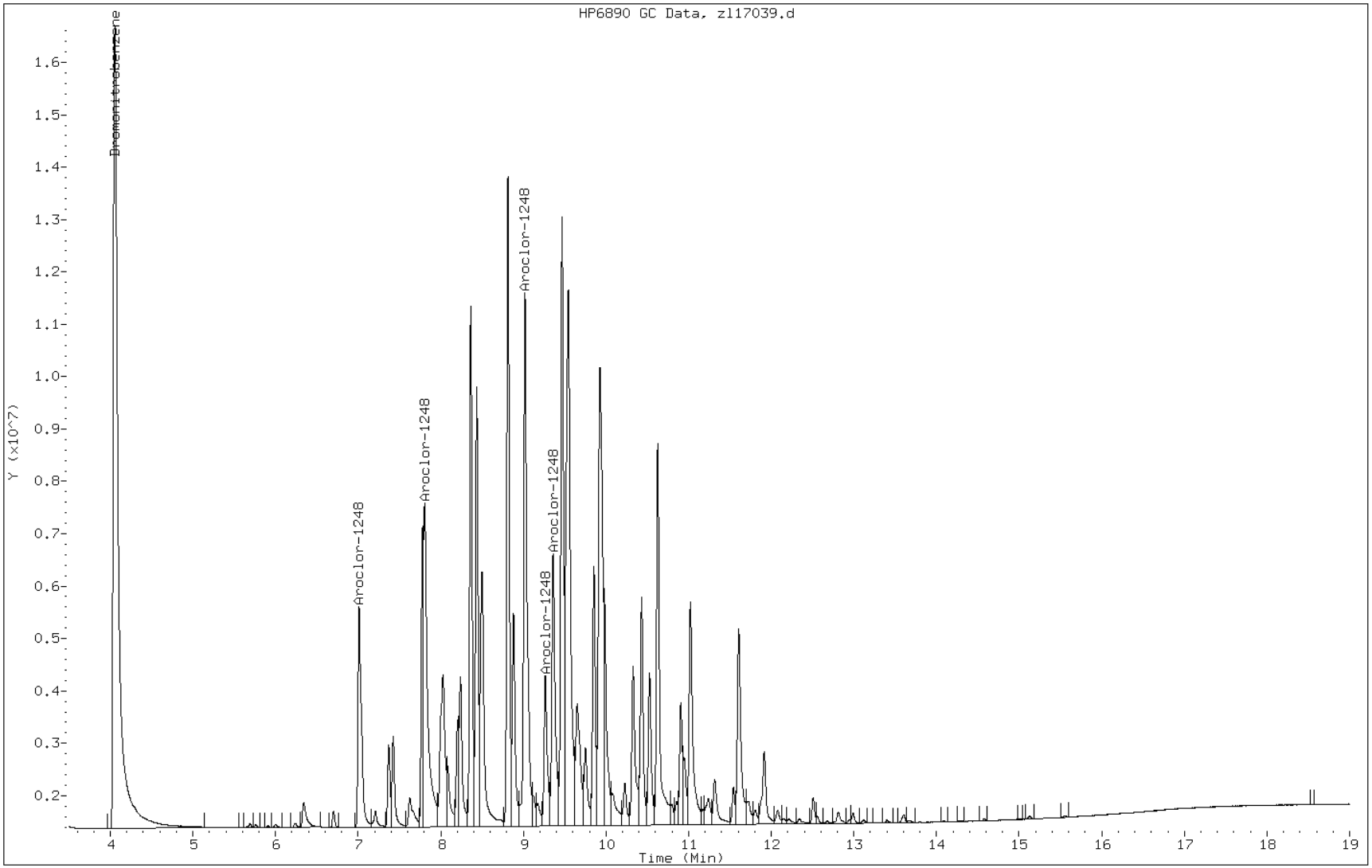
Average of Peak Amounts = 0.1

Data File: zl17039.d

Date: 18-DEC-2012 04:33

Client ID: Instrument: SGZECD2.i

Sample Info: IC-2863120;1248-4~2Z121712~ Operator:



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: PEM 680-260827/14 Calibration Date: 12/21/2012 15:04

Instrument ID: SGZ Calib Start Date: 12/11/2012 13:36

GC Column: CLP I ID: 0.32(mm) Calib End Date: 12/11/2012 15:51

Lab File ID: zl20069.d Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.88	32203740	8.97	15	
Endrin aldehyde	11.98	186804			
Endrin ketone	13.17	2986100			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.52	45461081	12.28	15	
4,4'-DDD	11.06	6200045			
4,4'-DDE	10.04	164474			

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/4Z122012.b/zl20069.d
Lab Smp Id: PEM-2862885
Inj Date : 21-DEC-2012 15:04
Operator : Inst ID: SGZECD1.i
Smp Info : PEM-2862885~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/4Z122012.b/z3-808182-e1.m
Meth Date : 23-Dec-2012 09:30 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 69 QC Sample: PEVAL
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEVAL.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

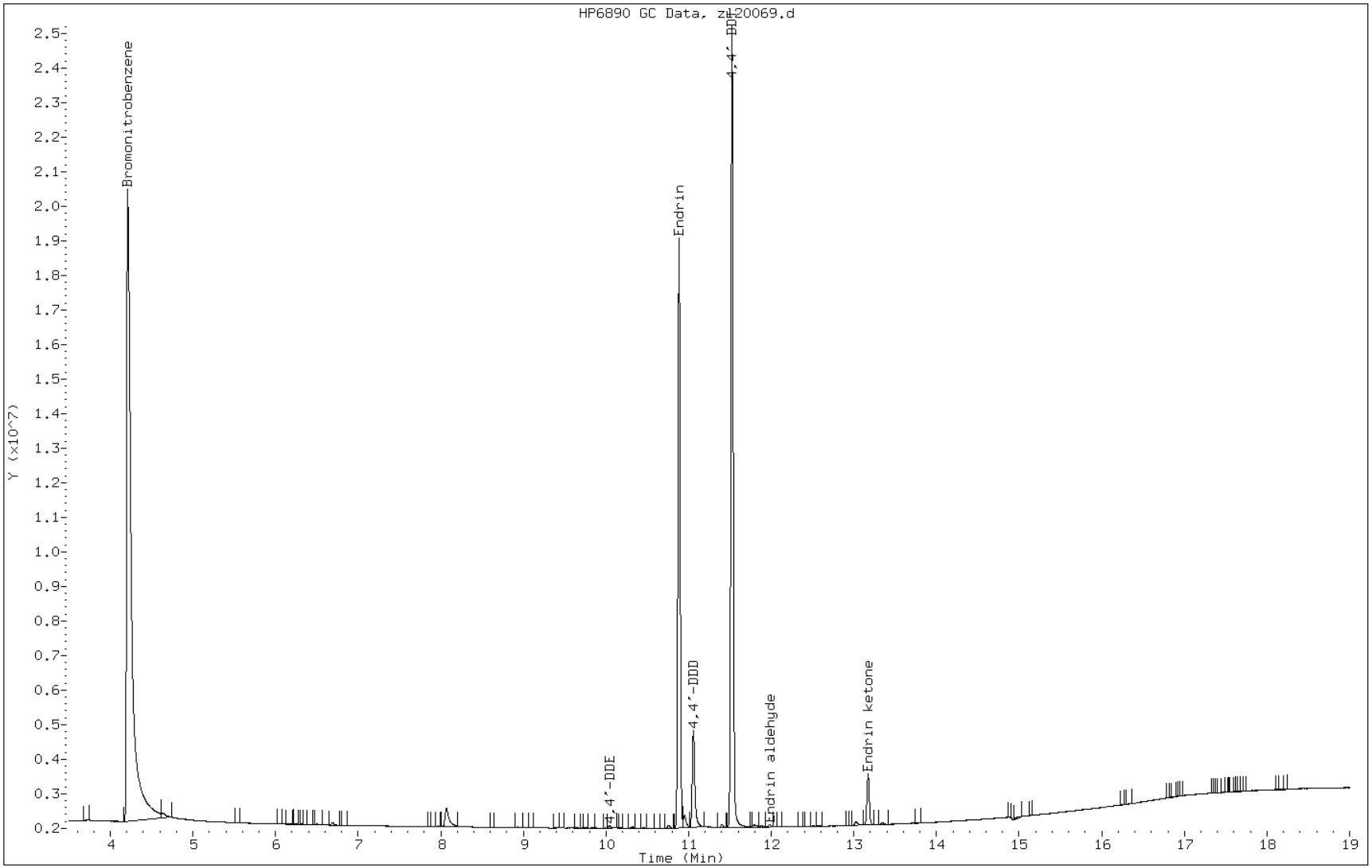
RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.211	4.210 (1.000)	73752700	73752700	0.10000	0.100 80.00- 120.00	100.00
16 4,4'-DDE				CAS #: 72-55-9		
10.044	10.041 (2.385)	164474	164474	0.000215	0.000215 80.00- 120.00	100.00
21 Endrin				CAS #: 72-20-8		
10.884	10.883 (2.585)	32203740	32203740	0.04936	0.0494 80.00- 120.00	100.00
22 4,4'-DDD				CAS #: 72-54-8		
11.059	11.056 (2.626)	6200045	6200045	0.00971	0.00971 80.00- 120.00	100.00
26 4,4'-DDT				CAS #: 50-29-3		
11.524	11.523 (2.737)	45461081	45461081	0.07936	0.0794 80.00- 120.00	100.00
27 Endrin aldehyde				CAS #: 7421-93-4		
11.983	11.978 (2.846)	186804	186804	0.000362	0.000362 80.00- 120.00	100.00
31 Endrin ketone				CAS #: 53494-70-5		
13.171	13.171 (3.128)	2986100	2986100	0.00407	0.00407 80.00- 120.00	100.00

Data File: zl20069.d

Date: 21-DEC-2012 15:04

Client ID: Instrument: SGZECD1.i

Sample Info: PEM-2862885~4Z122012~ Operator:



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: PEM 680-260827/14 Calibration Date: 12/21/2012 15:04

Instrument ID: SGZ Calib Start Date: 12/11/2012 13:36

GC Column: CLP II ID: 0.32(mm) Calib End Date: 12/11/2012 15:51

Lab File ID: zl20069.d Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	11.11	29620762	10.02	15	
Endrin aldehyde	12.06	399674			
Endrin ketone	13.40	2897798			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.91	41108589	12.06	15	
4,4'-DDD	11.39	5405346			
4,4'-DDE	10.40	233483			

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/4Z122012.b/zl20069.d
Lab Smp Id: PEM-2862885
Inj Date : 21-DEC-2012 15:04
Operator : Inst ID: SGZECD2.i
Smp Info : PEM-2862885~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/4Z122012.b/z3-808182-e2.m
Meth Date : 21-Dec-2012 12:19 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 69 QC Sample: PEVAL
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SGPEVAL.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.041	4.038 (1.000)	73921022	73921022	0.10000	0.100 80.00- 120.00	100.00
16 4,4'-DDE				CAS #: 72-55-9		
10.403	10.403 (2.574)	233483	233483	0.000311	0.000311 80.00- 120.00	100.00
21 Endrin				CAS #: 72-20-8		
11.109	11.110 (2.749)	29620762	29620762	0.05099	0.0510 80.00- 120.00	100.00
22 4,4'-DDD				CAS #: 72-54-8		
11.386	11.385 (2.818)	5405346	5405346	0.00938	0.00938 80.00- 120.00	100.00
26 4,4'-DDT				CAS #: 50-29-3		
11.906	11.905 (2.946)	41108589	41108589	0.08678	0.0868 80.00- 120.00	100.00(A)
27 Endrin aldehyde				CAS #: 7421-93-4		
12.056	12.056 (2.983)	399674	399674	0.000881	0.000881 80.00- 120.00	100.00
31 Endrin ketone				CAS #: 53494-70-5		
13.403	13.403 (3.317)	2897798	2897798	0.00430	0.00430 80.00- 120.00	100.00

QC Flag Legend

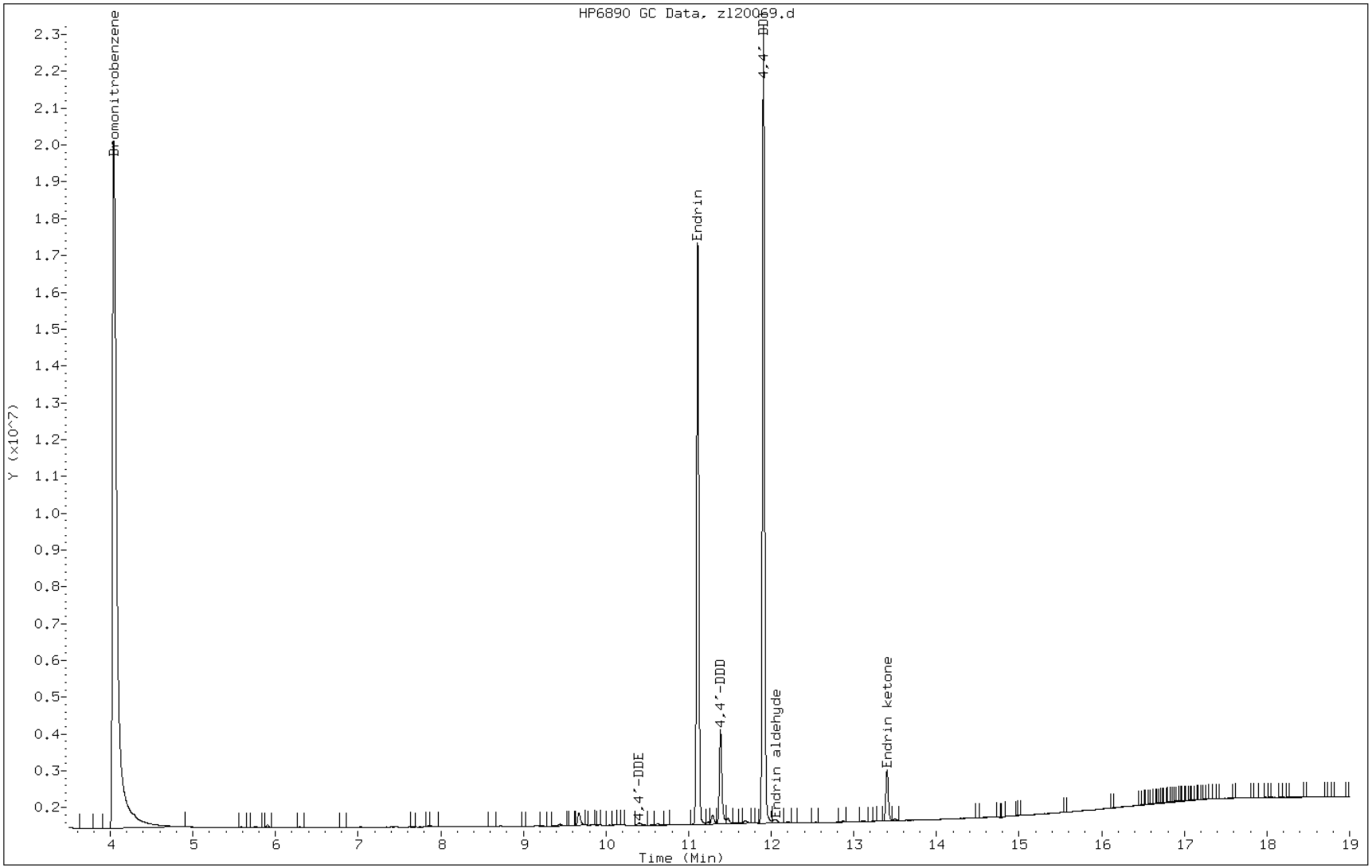
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: zl20069.d

Date: 21-DEC-2012 15:04

Client ID: Instrument: SGZECD2.i

Sample Info: PEM-2862885~4Z122012~ Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: CCVIS 680-260827/16 Calibration Date: 12/21/2012 15:52

Instrument ID: SGZ Calib Start Date: 12/18/2012 00:57

GC Column: CLP I ID: 0.32(mm) Calib End Date: 12/18/2012 02:57

Lab File ID: zl20071.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0366	0.0355		971	1000	-2.9	20.0
PCB-1016 Peak 2	Ave	0.0456	0.0462		1010	1000	1.5	20.0
PCB-1016 Peak 3	Ave	0.0337	0.0330		977	1000	-2.3	20.0
PCB-1016 Peak 4	Ave	0.0234	0.0226		964	1000	-3.6	20.0
PCB-1016 Peak 5	Ave	0.0227	0.0212		934	1000	-6.6	20.0
PCB-1260 Peak 1	Ave	0.0550	0.0534		972	1000	-2.8	20.0
PCB-1260 Peak 2	Ave	0.0317	0.0293		927	1000	-7.3	20.0
PCB-1260 Peak 3	Ave	0.0280	0.0262		934	1000	-6.6	20.0
PCB-1260 Peak 4	Ave	0.1312	0.1298		990	1000	-1.0	20.0
PCB-1260 Peak 5	Ave	0.0650	0.0631		971	1000	-2.9	20.0
Tetrachloro-m-xylene	Ave	1.061	1.034		31.2	32.0	-2.5	20.0
DCB Decachlorobiphenyl	Ave	1.227	1.087		28.4	32.0	-11.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: CCVIS 680-260827/16 Calibration Date: 12/21/2012 15:52

Instrument ID: SGZ Calib Start Date: 12/18/2012 00:57

GC Column: CLP I ID: 0.32(mm) Calib End Date: 12/18/2012 02:57

Lab File ID: zl20071.d

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	6.73	6.68	6.78
PCB-1016 Peak 2	7.55	7.50	7.60
PCB-1016 Peak 3	7.77	7.72	7.82
PCB-1016 Peak 4	7.88	7.83	7.93
PCB-1016 Peak 5	9.10	9.05	9.15
PCB-1260 Peak 1	11.66	11.61	11.71
PCB-1260 Peak 2	11.74	11.69	11.79
PCB-1260 Peak 3	12.14	12.09	12.19
PCB-1260 Peak 4	12.60	12.55	12.65
PCB-1260 Peak 5	13.08	13.03	13.13
Tetrachloro-m-xylene	5.49	5.44	5.54
DCB Decachlorobiphenyl	14.92	14.87	14.97

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/4Z122012.b/zl20071.d
Lab Smp Id: CCVIS-2863045;1660
Inj Date : 21-DEC-2012 15:52
Operator : Inst ID: SGZECD1.i
Smp Info : CCV-2863045;1660-4~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/4Z122012.b/z3-808182-e1.m
Meth Date : 23-Dec-2012 11:37 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 71 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

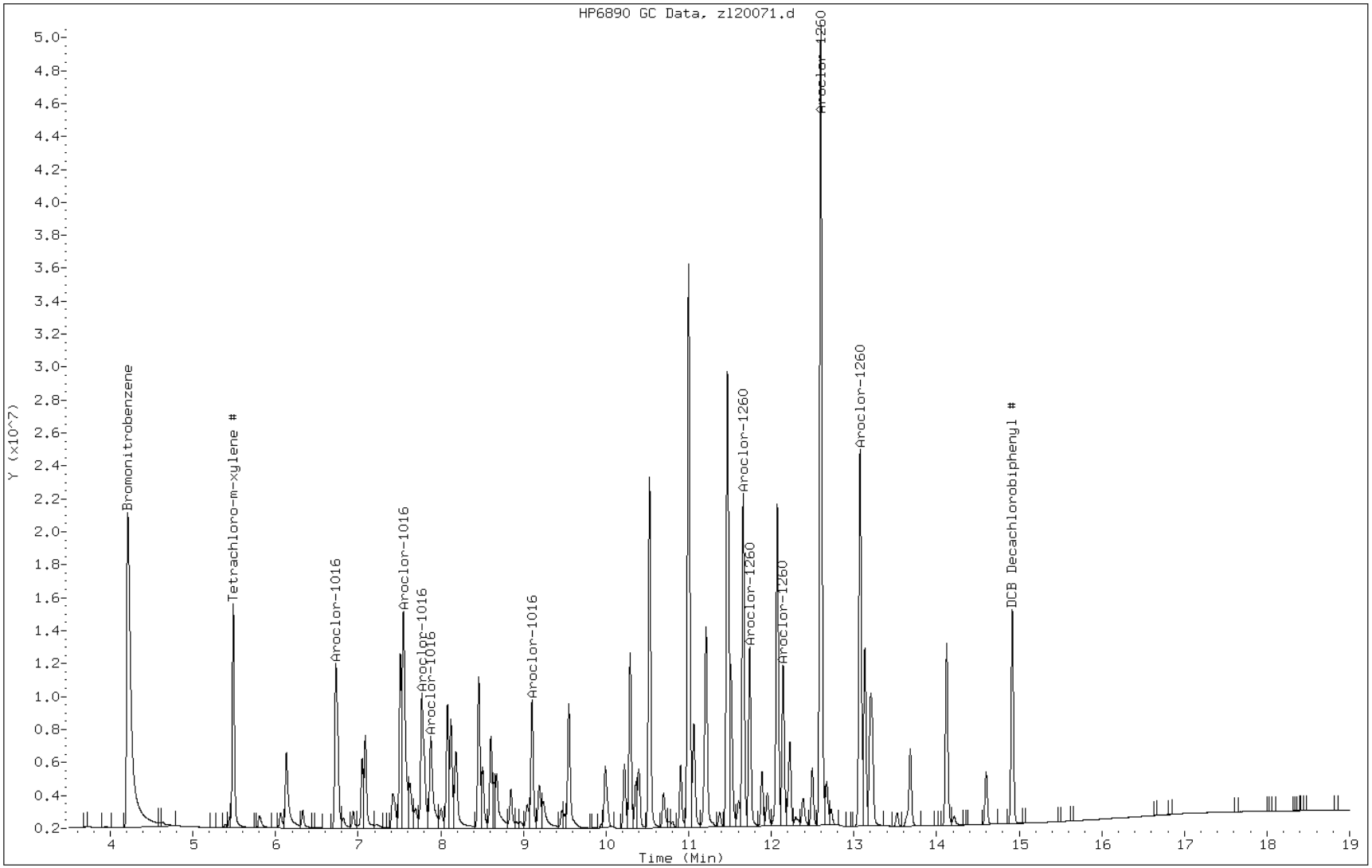
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.212	4.212 (1.000)	75648030	75648030	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.489	5.489 (1.303)	25040047	25040047	0.03200	0.0312 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
6.729	6.729 (1.597)	26858507	26858507	1.00000	0.971 80.00- 120.00	100.00
7.547	7.547 (1.792)	34969876	34969876	1.00000	1.01 105.00- 145.00	130.20
7.771	7.771 (1.845)	24943654	24943654	1.00000	0.977 69.49- 109.49	92.87
7.879	7.879 (1.870)	17086995	17086995	1.00000	0.964 39.45- 79.45	63.62
9.104	9.104 (2.161)	16025996	16025996	1.00000	0.934 32.13- 72.13	59.67
	Average of Peak Amounts =			0.972		
40 Aroclor-1260				CAS #: 11096-82-5		
11.661	11.661 (2.768)	40427040	40427040	1.00000	0.972 80.00- 120.00	100.00
11.739	11.739 (2.787)	22195913	22195913	1.00000	0.927 33.05- 73.05	54.90
12.142	12.142 (2.883)	19787584	19787584	1.00000	0.934 31.49- 71.49	48.95
12.599	12.599 (2.991)	98195835	98195835	1.00000	0.990 198.60- 238.60	242.90
13.076	13.076 (3.104)	47754643	47754643	1.00000	0.971 88.76- 128.76	118.13
	Average of Peak Amounts =			0.959		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
14.917	14.917 (3.541)	26321344	26321344	0.03200	0.0284 80.00- 120.00	100.00

Data File: zl20071.d

Date: 21-DEC-2012 15:52

Client ID: Instrument: SGZECD1.i

Sample Info: CCV-2863045;1660-4~4Z122012~ Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: CCVIS 680-260827/16 Calibration Date: 12/21/2012 15:52

Instrument ID: SGZ Calib Start Date: 12/18/2012 00:57

GC Column: CLP II ID: 0.32(mm) Calib End Date: 12/18/2012 02:57

Lab File ID: zl20071.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0475	0.0477		1010	1000	0.5	20.0
PCB-1016 Peak 2	Ave	0.0121	0.0124		1030	1000	2.6	20.0
PCB-1016 Peak 3	Ave	0.0214	0.0206		959	1000	-4.1	20.0
PCB-1016 Peak 4	Ave	0.0804	0.0742		924	1000	-7.6	20.0
PCB-1016 Peak 5	Ave	0.0456	0.0444		973	1000	-2.7	20.0
PCB-1260 Peak 1	Ave	0.0546	0.0540		989	1000	-1.1	20.0
PCB-1260 Peak 2	Ave	0.0319	0.0303		948	1000	-5.2	20.0
PCB-1260 Peak 3	Ave	0.0589	0.0584		992	1000	-0.8	20.0
PCB-1260 Peak 4	Ave	0.0325	0.0290		892	1000	-10.8	20.0
PCB-1260 Peak 5	Ave	0.1278	0.1304		1020	1000	2.1	20.0
Tetrachloro-m-xylene	Ave	1.102	1.149		33.4	32.0	4.3	20.0
DCB Decachlorobiphenyl	Ave	1.279	1.147		28.7	32.0	-10.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: CCVIS 680-260827/16 Calibration Date: 12/21/2012 15:52

Instrument ID: SGZ Calib Start Date: 12/18/2012 00:57

GC Column: CLP II ID: 0.32(mm) Calib End Date: 12/18/2012 02:57

Lab File ID: zl20071.d

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	7.00	6.95	7.05
PCB-1016 Peak 2	7.36	7.31	7.41
PCB-1016 Peak 3	7.41	7.36	7.46
PCB-1016 Peak 4	7.79	7.74	7.84
PCB-1016 Peak 5	8.02	7.97	8.07
PCB-1260 Peak 1	12.06	12.01	12.11
PCB-1260 Peak 2	12.15	12.10	12.20
PCB-1260 Peak 3	12.55	12.50	12.60
PCB-1260 Peak 4	12.67	12.62	12.72
PCB-1260 Peak 5	12.98	12.93	13.03
Tetrachloro-m-xylene	5.48	5.43	5.53
DCB Decachlorobiphenyl	15.55	15.50	15.60

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/4Z122012.b/zl20071.d
Lab Smp Id: CCVIS-2863045;1660
Inj Date : 21-DEC-2012 15:52
Operator : Inst ID: SGZECD2.i
Smp Info : CCV-2863045;1660-4~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/4Z122012.b/z3-808182-e2.m
Meth Date : 23-Dec-2012 11:38 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 71 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

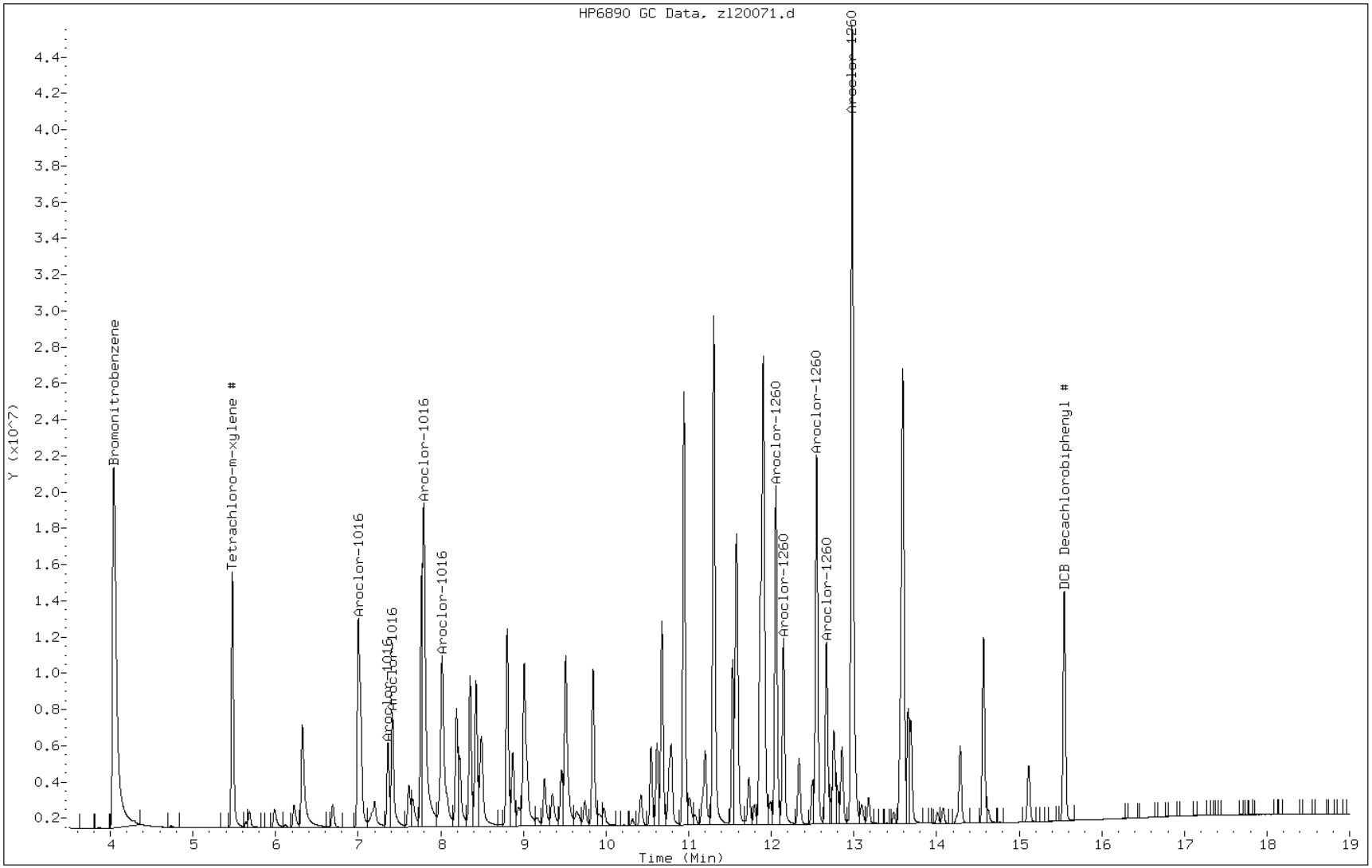
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.041	4.041 (1.000)	72169870	72169870	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.477	5.477 (1.356)	26532194	26532194	0.03200	0.0334 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
7.002	7.002 (1.733)	34425745	34425745	1.00000	1.00 80.00- 120.00	100.00
7.361	7.361 (1.822)	8924653	8924653	1.00000	1.02 21.81- 61.81	25.92
7.414	7.414 (1.835)	14834391	14834391	1.00000	0.959 57.04- 97.04	43.09
7.792	7.792 (1.928)	53567945	53567945	1.00000	0.924 244.79- 284.79	155.60
8.016	8.016 (1.984)	32040864	32040864	1.00000	0.973 130.07- 170.07	93.07
	Average of Peak Amounts =			0.977		
40 Aroclor-1260				CAS #: 11096-82-5		
12.056	12.056 (2.984)	38967392	38967392	1.00000	0.989 80.00- 120.00	100.00
12.147	12.147 (3.006)	21833652	21833652	1.00000	0.948 36.84- 76.84	56.03
12.549	12.549 (3.106)	42166173	42166173	1.00000	0.992 84.02- 124.02	108.21
12.667	12.667 (3.135)	20926647	20926647	1.00000	0.892 29.57- 69.57	53.70
12.979	12.979 (3.212)	94125736	94125736	1.00000	1.02 196.99- 236.99	241.55
	Average of Peak Amounts =			0.968		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.546	15.546 (3.847)	26484648	26484648	0.03200	0.0287 80.00- 120.00	100.00

Data File: zl20071.d

Date: 21-DEC-2012 15:52

Client ID: Instrument: SGZECD2.i

Sample Info: CCV-2863045;1660-4~4Z122012~ Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: CCV 680-260827/18 Calibration Date: 12/22/2012 00:30

Instrument ID: SGZ Calib Start Date: 12/18/2012 00:57

GC Column: CLP I ID: 0.32(mm) Calib End Date: 12/18/2012 02:57

Lab File ID: zl20092.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0366	0.0361		987	1000	-1.3	20.0
PCB-1016 Peak 2	Ave	0.0456	0.0472		1040	1000	3.7	20.0
PCB-1016 Peak 3	Ave	0.0337	0.0333		988	1000	-1.2	20.0
PCB-1016 Peak 4	Ave	0.0234	0.0224		957	1000	-4.3	20.0
PCB-1016 Peak 5	Ave	0.0227	0.0209		922	1000	-7.8	20.0
PCB-1260 Peak 1	Ave	0.0550	0.0511		930	1000	-7.0	20.0
PCB-1260 Peak 2	Ave	0.0317	0.0283		895	1000	-10.5	20.0
PCB-1260 Peak 3	Ave	0.0280	0.0250		891	1000	-10.9	20.0
PCB-1260 Peak 4	Ave	0.1312	0.1216		927	1000	-7.3	20.0
PCB-1260 Peak 5	Ave	0.0650	0.0574		883	1000	-11.7	20.0
Tetrachloro-m-xylene	Ave	1.061	1.036		31.3	32.0	-2.3	20.0
DCB Decachlorobiphenyl	Ave	1.227	0.8808		23.0	32.0	-28.2*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: CCV 680-260827/18 Calibration Date: 12/22/2012 00:30

Instrument ID: SGZ Calib Start Date: 12/18/2012 00:57

GC Column: CLP I ID: 0.32(mm) Calib End Date: 12/18/2012 02:57

Lab File ID: zl20092.d

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	6.73	6.68	6.78
PCB-1016 Peak 2	7.54	7.49	7.59
PCB-1016 Peak 3	7.77	7.72	7.82
PCB-1016 Peak 4	7.88	7.83	7.93
PCB-1016 Peak 5	9.10	9.05	9.15
PCB-1260 Peak 1	11.66	11.61	11.71
PCB-1260 Peak 2	11.74	11.69	11.79
PCB-1260 Peak 3	12.14	12.09	12.19
PCB-1260 Peak 4	12.60	12.55	12.65
PCB-1260 Peak 5	13.07	13.02	13.12
Tetrachloro-m-xylene	5.49	5.44	5.54
DCB Decachlorobiphenyl	14.92	14.87	14.97

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/4Z122012.b/zl20092.d
Lab Smp Id: CCV-2863045;1660-4
Inj Date : 22-DEC-2012 00:30
Operator : Inst ID: SGZECD1.i
Smp Info : CCV-2863045;1660-4~5Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/4Z122012.b/z3-808182-e1.m
Meth Date : 26-Dec-2012 14:10 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 92 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

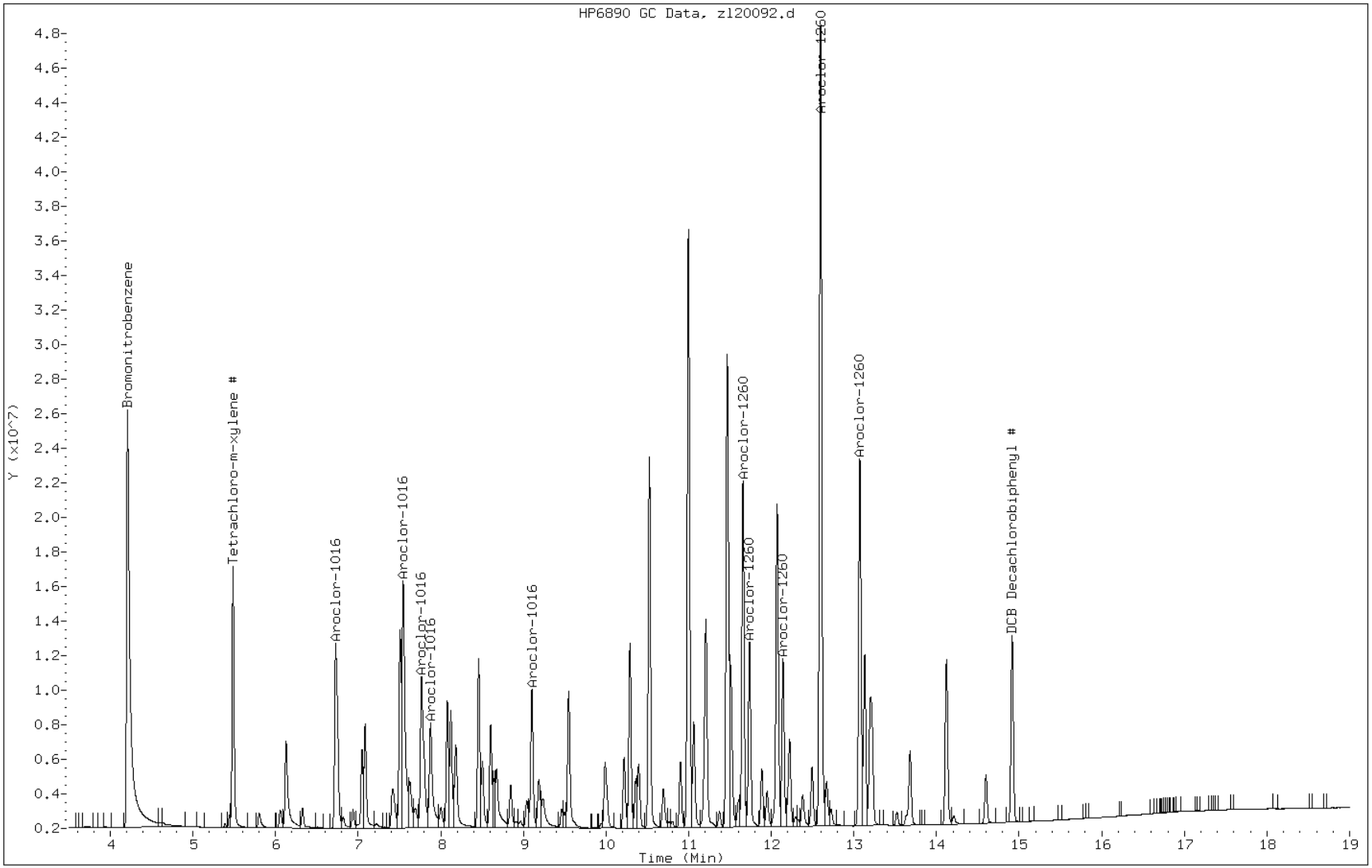
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.210	4.210 (1.000)	77141682	77141682	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.486	5.486 (1.303)	25584801	25584801	0.03200	0.0313 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
6.728	6.728 (1.598)	27835953	27835953	1.00000	0.987 80.00- 120.00	100.00
7.545	7.545 (1.792)	36442103	36442103	1.00000	1.04 105.00- 145.00	130.92
7.766	7.766 (1.845)	25713476	25713476	1.00000	0.988 69.49- 109.49	92.38
7.876	7.876 (1.871)	17293524	17293524	1.00000	0.957 39.45- 79.45	62.13
9.103	9.103 (2.162)	16137310	16137310	1.00000	0.922 32.13- 72.13	57.97
	Average of Peak Amounts =			0.978		
40 Aroclor-1260				CAS #: 11096-82-5		
11.658	11.658 (2.769)	39445273	39445273	1.00000	0.930 80.00- 120.00	100.00
11.738	11.738 (2.788)	21853309	21853309	1.00000	0.895 33.05- 73.05	55.40
12.141	12.141 (2.884)	19262861	19262861	1.00000	0.891 31.49- 71.49	48.83
12.598	12.598 (2.993)	93762789	93762789	1.00000	0.927 198.60- 238.60	237.70
13.073	13.073 (3.106)	44243938	44243938	1.00000	0.883 88.76- 128.76	112.17
	Average of Peak Amounts =			0.905		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
14.916	14.916 (3.543)	21742187	21742187	0.03200	0.0230 80.00- 120.00	100.00

Data File: zl20092.d

Date: 22-DEC-2012 00:30

Client ID: Instrument: SGZECD1.i

Sample Info: CCV-2863045;1660-4~5Z122012~ Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: CCV 680-260827/18 Calibration Date: 12/22/2012 00:30

Instrument ID: SGZ Calib Start Date: 12/18/2012 00:57

GC Column: CLP II ID: 0.32(mm) Calib End Date: 12/18/2012 02:57

Lab File ID: zl20092.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0475	0.0471		992	1000	-0.8	20.0
PCB-1016 Peak 2	Ave	0.0121	0.0124		1030	1000	3.1	20.0
PCB-1016 Peak 3	Ave	0.0214	0.0200		935	1000	-6.5	20.0
PCB-1016 Peak 4	Ave	0.0804	0.0720		896	1000	-10.4	20.0
PCB-1016 Peak 5	Ave	0.0456	0.0437		958	1000	-4.2	20.0
PCB-1260 Peak 1	Ave	0.0546	0.0504		923	1000	-7.7	20.0
PCB-1260 Peak 2	Ave	0.0319	0.0279		874	1000	-12.6	20.0
PCB-1260 Peak 3	Ave	0.0589	0.0544		924	1000	-7.6	20.0
PCB-1260 Peak 4	Ave	0.0325	0.0271		834	1000	-16.6	20.0
PCB-1260 Peak 5	Ave	0.1278	0.1204		942	1000	-5.8	20.0
Tetrachloro-m-xylene	Ave	1.102	1.149		33.4	32.0	4.3	20.0
DCB Decachlorobiphenyl	Ave	1.279	0.9402		23.5	32.0	-26.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: CCV 680-260827/18 Calibration Date: 12/22/2012 00:30

Instrument ID: SGZ Calib Start Date: 12/18/2012 00:57

GC Column: CLP II ID: 0.32(mm) Calib End Date: 12/18/2012 02:57

Lab File ID: zl20092.d

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	7.00	6.95	7.05
PCB-1016 Peak 2	7.36	7.31	7.41
PCB-1016 Peak 3	7.41	7.36	7.46
PCB-1016 Peak 4	7.79	7.74	7.84
PCB-1016 Peak 5	8.01	7.96	8.06
PCB-1260 Peak 1	12.05	12.00	12.10
PCB-1260 Peak 2	12.15	12.10	12.20
PCB-1260 Peak 3	12.55	12.50	12.60
PCB-1260 Peak 4	12.67	12.62	12.72
PCB-1260 Peak 5	12.98	12.93	13.03
Tetrachloro-m-xylene	5.47	5.42	5.52
DCB Decachlorobiphenyl	15.54	15.49	15.59

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/4Z122012.b/zl20092.d
Lab Smp Id: CCV-2863045;1660-4
Inj Date : 22-DEC-2012 00:30
Operator : Inst ID: SGZECD2.i
Smp Info : CCV-2863045;1660-4~5Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/4Z122012.b/z3-808182-e2.m
Meth Date : 26-Dec-2012 14:09 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 92 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SG1660.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem3

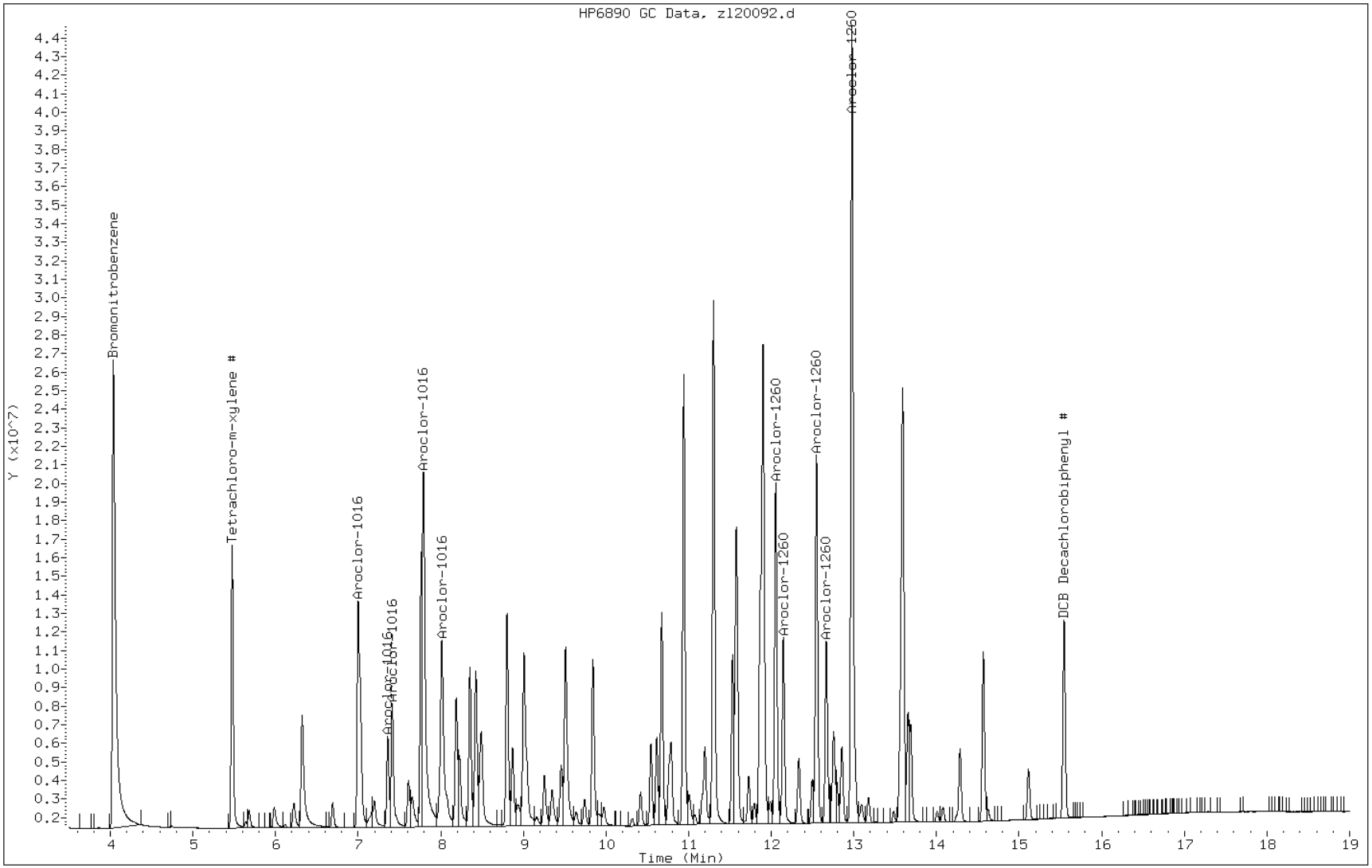
RT	EXP RT (REL RT)	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.036	4.036 (1.000)	74268758	74268758	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.474	5.474 (1.356)	27306785	27306785	0.03200	0.0334 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
7.001	7.001 (1.735)	34969151	34969151	1.00000	0.992 80.00- 120.00	100.00
7.359	7.359 (1.823)	9229912	9229912	1.00000	1.03 21.81- 61.81	26.39
7.413	7.413 (1.837)	14886776	14886776	1.00000	0.935 57.04- 97.04	42.57
7.790	7.790 (1.930)	53459135	53459135	1.00000	0.896 244.79- 284.79	152.88
8.013	8.013 (1.985)	32485274	32485274	1.00000	0.958 130.07- 170.07	92.90
	Average of Peak Amounts =			0.962		
40 Aroclor-1260				CAS #: 11096-82-5		
12.055	12.055 (2.987)	37437124	37437124	1.00000	0.923 80.00- 120.00	100.00
12.146	12.146 (3.009)	20723661	20723661	1.00000	0.874 36.84- 76.84	55.36
12.548	12.548 (3.109)	40409590	40409590	1.00000	0.924 84.02- 124.02	107.94
12.666	12.666 (3.138)	20143810	20143810	1.00000	0.834 29.57- 69.57	53.81
12.978	12.978 (3.215)	89395527	89395527	1.00000	0.942 196.99- 236.99	238.79
	Average of Peak Amounts =			0.899		
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.543	15.543 (3.851)	22344185	22344185	0.03200	0.0235 80.00- 120.00	100.00

Data File: zl20092.d

Date: 22-DEC-2012 00:30

Client ID: Instrument: SGZECD2.i

Sample Info: CCV-2863045;1660-4~5Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: | Lab Sample ID: MB 680-260189/18-A

Matrix: Solid | Lab File ID: zl20076.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/18/2012 21:09

Sample wt/vol: 15.14(g) | Date Analyzed: 12/21/2012 18:07

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

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

Analysis Batch No.: 260827 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	33	U	33	2.9
11104-28-2	PCB-1221	66	U	66	4.8
11141-16-5	PCB-1232	33	U	33	3.3
53469-21-9	PCB-1242	33	U	33	2.8
12672-29-6	PCB-1248	33	U	33	7.1
11097-69-1	PCB-1254	33	U	33	2.3
11096-82-5	PCB-1260	33	U	33	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	82		54-133
877-09-8	Tetrachloro-m-xylene	98		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/4Z122012.b/zl20076.d
Lab Smp Id: MB 680-260189/18-A
Inj Date : 21-DEC-2012 18:07
Operator : Inst ID: SGZECD1.i
Smp Info : MB 680-260189/18-A~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/4Z122012.b/z3-808182-e1.m
Meth Date : 23-Dec-2012 11:37 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 76
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract
Ws	15.00000	Weight of sample extract
M	0.00000	% Moisture
A	1000.00000	g to kg conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

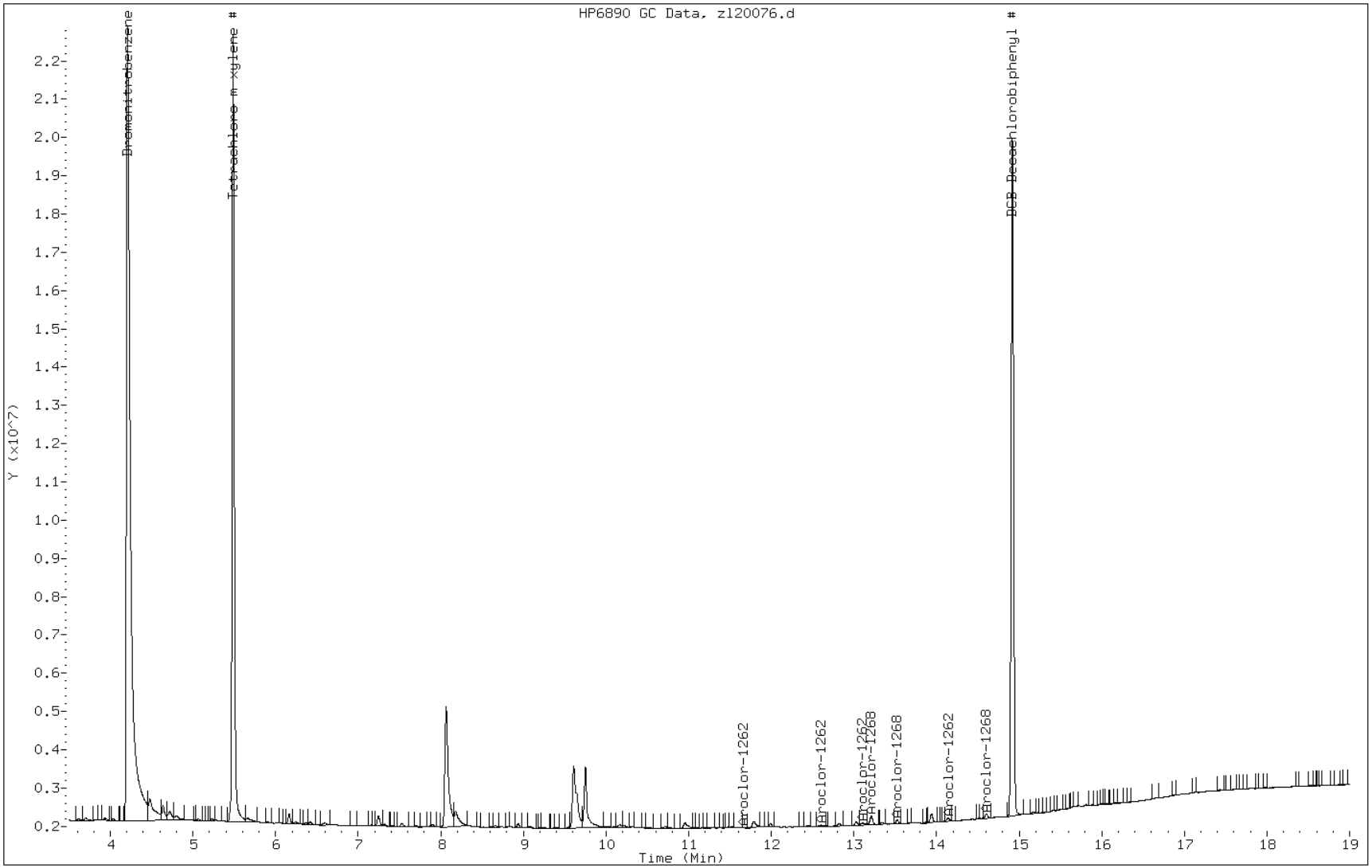
RT	EXP RT	(REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene					CAS #:		
4.207	4.212	(1.000)	72451572	72451572	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #					CAS #: 877-09-8		
5.487	5.489	(1.304)	37725766	37725766	0.04908	16.4 80.00- 120.00	100.00
$ 33 DCB Decachlorobiphenyl #					CAS #: 2051-24-3		
14.917	14.917	(3.546)	36478556	36478556	0.04104	13.7 80.00- 120.00	100.00

Data File: zl20076.d

Date: 21-DEC-2012 18:07

Client ID: Instrument: SGZECD1.i

Sample Info: MB 680-260189/18-A~4Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: | Lab Sample ID: MB 680-260189/18-A

Matrix: Solid | Lab File ID: zl20076.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/18/2012 21:09

Sample wt/vol: 15.14(g) | Date Analyzed: 12/21/2012 18:07

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

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

Analysis Batch No.: 260827 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	84		54-133
877-09-8	Tetrachloro-m-xylene	105		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/4Z122012.b/zl20076.d
Lab Smp Id: MB 680-260189/18-A
Inj Date : 21-DEC-2012 18:07
Operator : Inst ID: SGZECD2.i
Smp Info : MB 680-260189/18-A~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/4Z122012.b/z3-808182-e2.m
Meth Date : 23-Dec-2012 11:38 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 76 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract
Ws	15.00000	Weight of sample extract
M	0.00000	% Moisture
A	1000.00000	g to kg conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

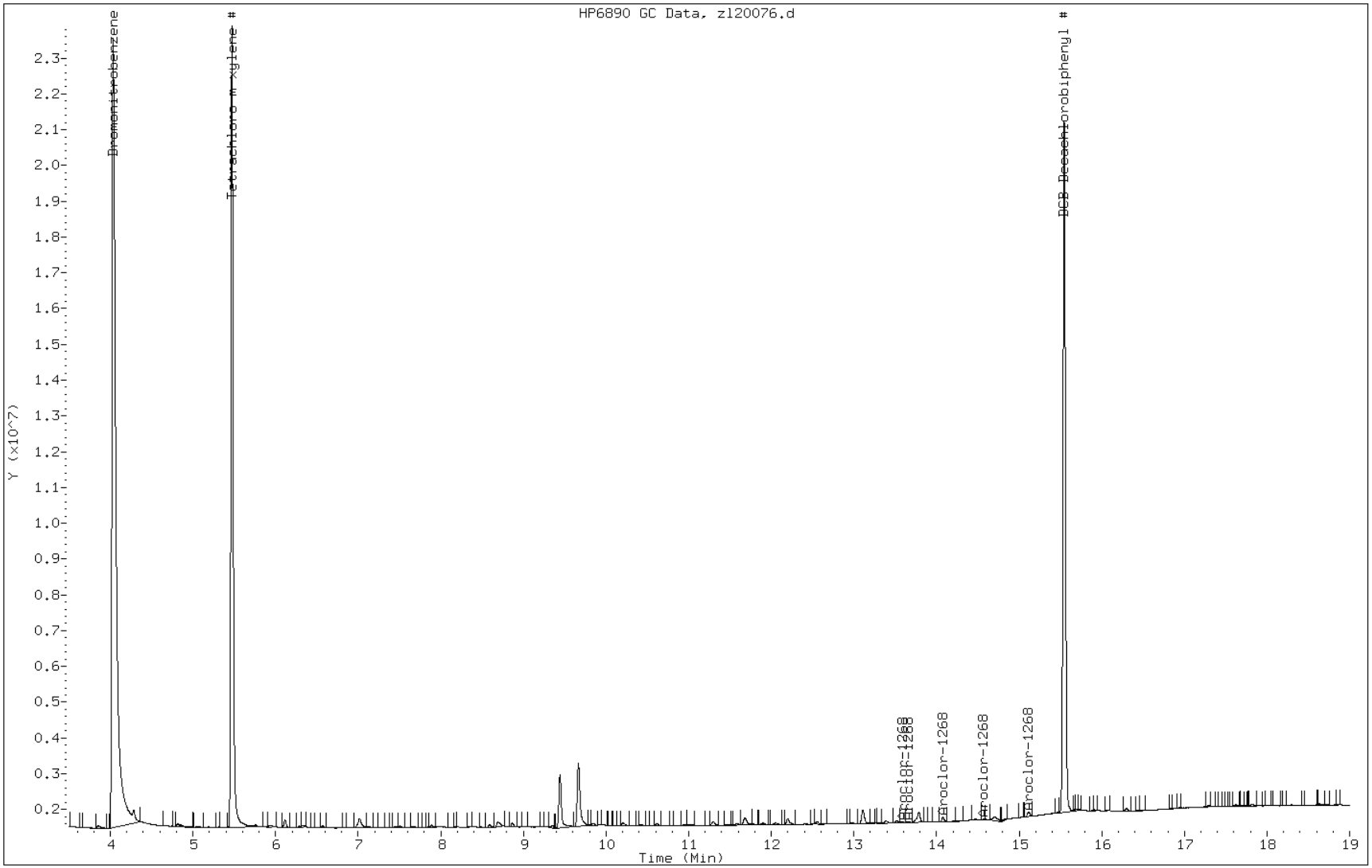
RT	EXP RT	(REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene					CAS #:		
4.034	4.041	(1.000)	73692994	73692994	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #					CAS #: 877-09-8		
5.472	5.477	(1.357)	42471753	42471753	0.05232	17.4 80.00- 120.00	100.00
$ 33 DCB Decachlorobiphenyl #					CAS #: 2051-24-3		
15.544	15.546	(3.853)	39650108	39650108	0.04206	14.0 80.00- 120.00	100.00

Data File: zl20076.d

Date: 21-DEC-2012 18:07

Client ID: Instrument: SGZECD2.i

Sample Info: MB 680-260189/18-A~4Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: | Lab Sample ID: PIBLK 680-260827/17

Matrix: Solid | Lab File ID: zl20075.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 12/21/2012 17:27

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

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

Analysis Batch No.: 260827 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	33	U	33	2900
11104-28-2	PCB-1221	67	U	67	4.8
11141-16-5	PCB-1232	33	U	33	3.3
53469-21-9	PCB-1242	33	U	33	2.8
12672-29-6	PCB-1248	33	U	33	7.2
11097-69-1	PCB-1254	33	U	33	2.3
11096-82-5	PCB-1260	33	U	33	6.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		54-133
877-09-8	Tetrachloro-m-xylene	104		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/4Z122012.b/zl20075.d
Lab Smp Id: PIBLK-2862859
Inj Date : 21-DEC-2012 17:27
Operator : Inst ID: SGZECD1.i
Smp Info : PIBLK-2862859~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/4Z122012.b/z3-808182-e1.m
Meth Date : 23-Dec-2012 11:37 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 75 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Final Volume
Vo	1000.00000	Sample Volume
A	1000.00000	mL to L conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.209	4.212 (1.000)	81587101	81587101	0.10000	0.100 80.00- 120.00	100.00
$ 2 Tetrachloro-m-xylene				CAS #: 877-09-8		
5.486	5.487 (1.303)	26780311	26780311	0.03325	0.332 80.00- 120.00	100.00
5 alpha-BHC				CAS #: 319-84-6		
6.508	6.459 (1.546)	147571	147571	0.000134	0.00134 80.00- 120.00	100.00(a)
24 Kepone				CAS #: 143-50-0		
10.951	10.950 (2.602)	828387	828387	0.00298	0.0298 80.00- 120.00	100.00(a)

RT	EXP RT	(REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 32 DCB Decachlorobiphenyl					CAS #: 2051-24-3		
14.918	14.917	(3.544)	28185975	28185975	0.03335	0.333 80.00- 120.00	100.00

QC Flag Legend

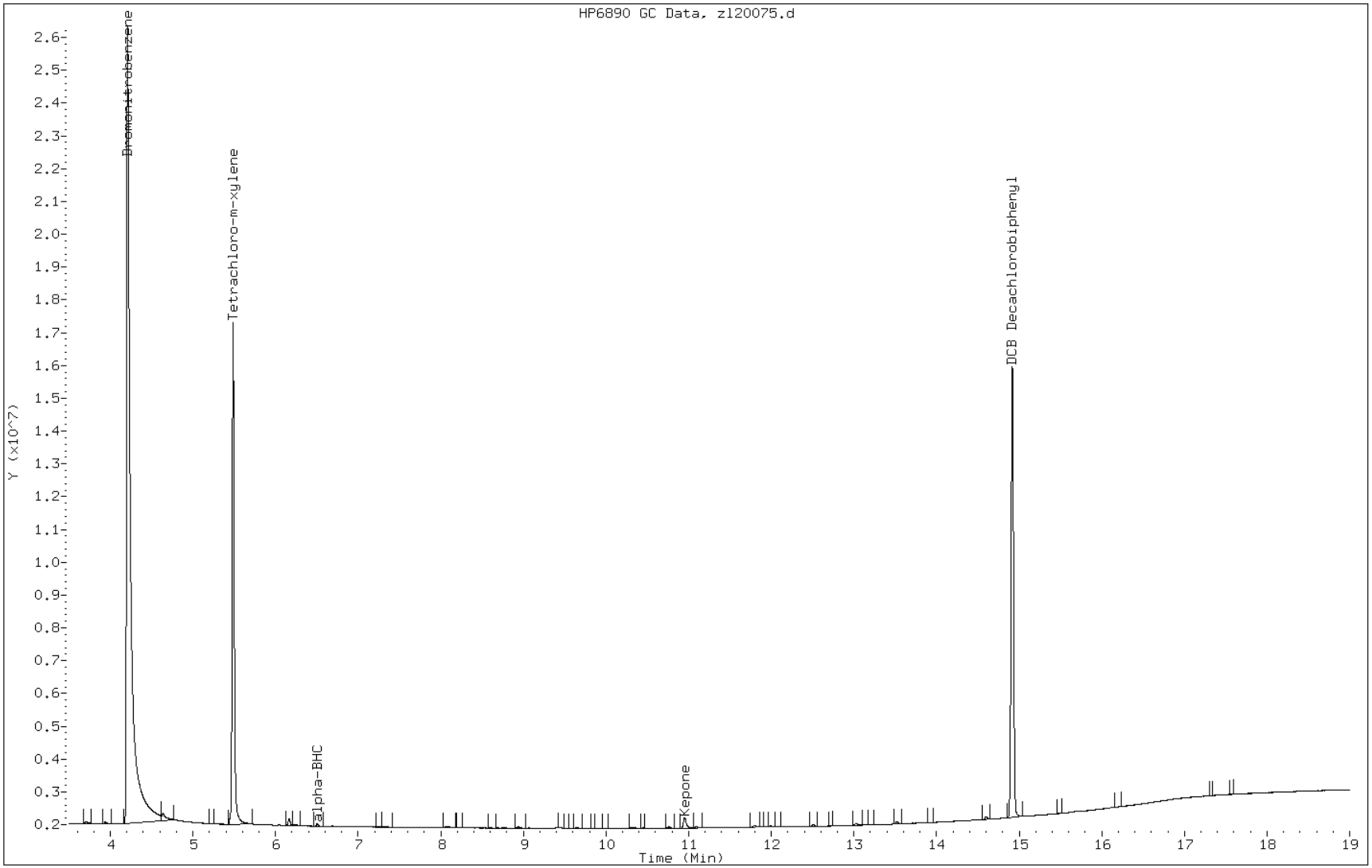
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: zl20075.d

Date: 21-DEC-2012 17:27

Client ID: Instrument: SGZECD1.i

Sample Info: PIBLK-2862859~4Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: | Lab Sample ID: PIBLK 680-260827/17

Matrix: Solid | Lab File ID: zl20075.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 12/21/2012 17:27

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

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

Analysis Batch No.: 260827 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*PCB-1016*	*33*	*U*	*33*	*2900*
11104-28-2	*PCB-1221*	*67*	*U*	*67*	*4.8*
11141-16-5	*PCB-1232*	*33*	*U*	*33*	*3.3*
53469-21-9	*PCB-1242*	*33*	*U*	*33*	*2.8*
12672-29-6	*PCB-1248*	*33*	*U*	*33*	*7.2*
11097-69-1	*PCB-1254*	*33*	*U*	*33*	*2.3*
11096-82-5	*PCB-1260*	*33*	*U*	*33*	*6.7*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	119		54-133
877-09-8	Tetrachloro-m-xylene	116		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/4Z122012.b/zl20075.d
Lab Smp Id: PIBLK-2862859
Inj Date : 21-DEC-2012 17:27
Operator : Inst ID: SGZECD2.i
Smp Info : PIBLK-2862859~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/4Z122012.b/z3-808182-e2.m
Meth Date : 23-Dec-2012 11:38 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 75 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Final Volume
Vo	1000.00000	Sample Volume
A	1000.00000	mL to L conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.038	4.041 (1.000)	76793999	76793999	0.10000	0.100 80.00- 120.00	100.00
$ 2 Tetrachloro-m-xylene				CAS #: 877-09-8		
5.476	5.475 (1.356)	28107844	28107844	0.03710	0.371 80.00- 120.00	100.00
24 Kepone				CAS #: 143-50-0		
11.291	11.286 (2.796)	610763	610763	0.00334	0.0334 80.00- 120.00	100.00(a)
$ 32 DCB Decachlorobiphenyl				CAS #: 2051-24-3		
15.546	15.545 (3.850)	27738541	27738541	0.03793	0.379 80.00- 120.00	100.00(R)

RT	EXP RT	(REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
45 Total PCB					CAS #: 1336-36-3		
18.301	18.290	(4.533)	13216	13216		0.00- 20.00	100.00(a)

QC Flag Legend

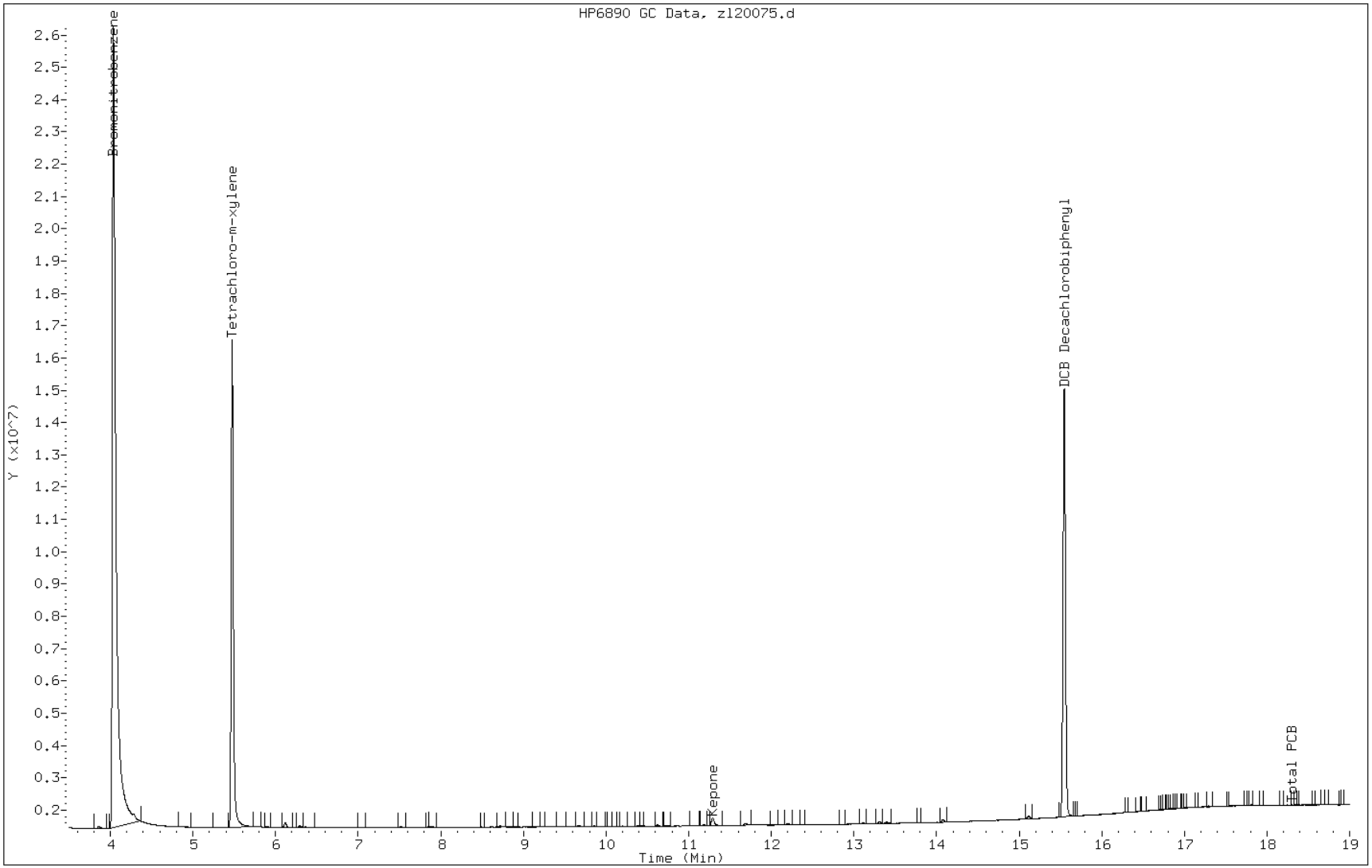
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: zl20075.d

Date: 21-DEC-2012 17:27

Client ID: Instrument: SGZECD2.i

Sample Info: PIBLK-2862859~4Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: | Lab Sample ID: PIBLK 680-260827/19

Matrix: Solid | Lab File ID: zl20093.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 12/22/2012 00:54

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

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

Analysis Batch No.: 260827 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	33	U	33	2900
11104-28-2	PCB-1221	67	U	67	4.8
11141-16-5	PCB-1232	33	U	33	3.3
53469-21-9	PCB-1242	33	U	33	2.8
12672-29-6	PCB-1248	33	U	33	7.2
11097-69-1	PCB-1254	33	U	33	2.3
11096-82-5	PCB-1260	33	U	33	6.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80		54-133
877-09-8	Tetrachloro-m-xylene	105		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/4Z122012.b/zl20093.d
Lab Smp Id: PIBLK-2862859;
Inj Date : 22-DEC-2012 00:54
Operator : Inst ID: SGZECD1.i
Smp Info : PIBLK-2862859;~5Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/4Z122012.b/z3-808182-e1.m
Meth Date : 26-Dec-2012 14:10 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 93 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tl.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Final Volume
Vo	1000.00000	Sample Volume
A	1000.00000	mL to L conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.211	4.210 (1.000)	75116950	75116950	0.10000	0.100 80.00- 120.00	100.00
$ 2 Tetrachloro-m-xylene				CAS #: 877-09-8		
5.487	5.487 (1.303)	24814291	24814291	0.03346	0.335 80.00- 120.00	100.00
$ 32 DCB Decachlorobiphenyl				CAS #: 2051-24-3		
14.914	14.917 (3.542)	19871646	19871646	0.02553	0.255 80.00- 120.00	100.00
41 Aroclor-1262				CAS #: 37324-23-5H		
11.659	11.670 (2.769)	54033	54033	0.00080	0.00800 80.00- 120.00	100.00(a)
12.071	12.082 (2.867)	53092	53092	0.000958	0.00958 72.88- 112.88	98.26

RT	EXP RT	(REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
41 Aroclor-1262 (continued)							
12.597	12.609	(2.992)	111623	111623	0.000893	0.00893 167.18- 207.18	206.58
13.124	13.142	(3.117)	23295	23295	0.00043	0.00430 57.94- 97.94	43.11
14.111	14.132	(3.351)	14870	14870	0.000349	0.00349 43.81- 83.81	27.52

QC Flag Legend

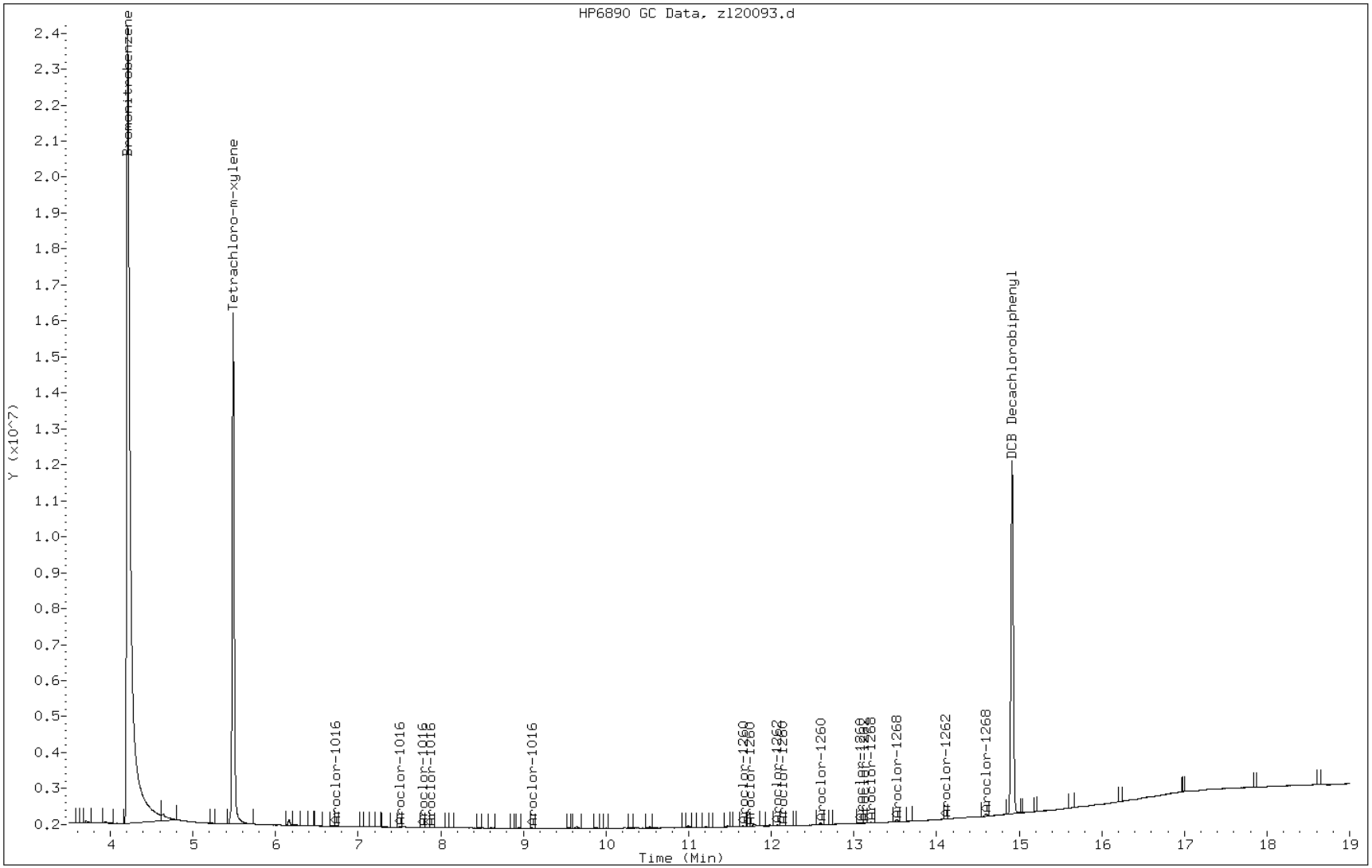
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: zl20093.d

Date: 22-DEC-2012 00:54

Client ID: Instrument: SGZECD1.i

Sample Info: PIBLK-2862859;~5Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: | Lab Sample ID: PIBLK 680-260827/19

Matrix: Solid | Lab File ID: zl20093.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 12/22/2012 00:54

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

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

Analysis Batch No.: 260827 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*PCB-1016*	*33*	*U*	*33*	*2900*
11104-28-2	*PCB-1221*	*67*	*U*	*67*	*4.8*
11141-16-5	*PCB-1232*	*33*	*U*	*33*	*3.3*
53469-21-9	*PCB-1242*	*33*	*U*	*33*	*2.8*
12672-29-6	*PCB-1248*	*33*	*U*	*33*	*7.2*
11097-69-1	*PCB-1254*	*33*	*U*	*33*	*2.3*
11096-82-5	*PCB-1260*	*33*	*U*	*33*	*6.7*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	65		54-133
877-09-8	Tetrachloro-m-xylene	101		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/4Z122012.b/zl20093.d
Lab Smp Id: PIBLK-2862859;
Inj Date : 22-DEC-2012 00:54
Operator : Inst ID: SGZECD2.i
Smp Info : PIBLK-2862859;~5Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/4Z122012.b/z3-808182-e2.m
Meth Date : 26-Dec-2012 14:09 meinckeg Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 93 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Vo * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Final Volume
Vo	1000.00000	Sample Volume
A	1000.00000	mL to L conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.039	4.036 (1.000)	76354983	76354983	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.476	5.474 (1.356)	27052511	27052511	0.03216	0.322 80.00- 120.00	100.00
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.544	15.543 (3.848)	20409995	20409995	0.02089	0.209 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
7.004	7.001 (1.734)	82658	82658	0.00228	0.0228 80.00- 120.00	100.00(a)
7.352	7.359 (1.820)	11621	11621	0.00126	0.0126 21.81- 61.81	14.06

```
                                        CONCENTRATIONS
                                        ON-COL    FINAL
   RT   EXP RT (REL RT)        RESPONSE (ug/mL)  ( ug/L)   TARGET RANGE    RATIO
   ==   ====== ========        ======== =======  =======   ============    =====

   34 Aroclor-1016 (continued)
  7.414   7.413 (1.836)           23711     23711 0.00145   0.0145  57.04-  97.04    28.69
  7.796   7.790 (1.930)           38220     38220 0.000623  0.00623 244.79- 284.79    46.24
  8.019   8.013 (1.985)           43870     43870 0.00126   0.0126 130.07- 170.07    53.07
               Average of Peak Concentrations =   0.0137
-------------------------------------------------------------------------------
   36 Aroclor-1232                                 CAS #: 11141-16-5
  7.004   7.012 (1.734)           82658     82658 0.00501   0.0500  80.00- 120.00   100.00(a)
  7.352   7.370 (1.820)           11621     11621 0.00279   0.0279  25.40-  65.40    14.06
  7.414   7.424 (1.836)           23711     23711 0.00321   0.0321  61.36- 101.36    28.69
  7.796   7.807 (1.930)           38220     38220 0.00121   0.0121 249.43- 289.43    46.24
  8.019   8.029 (1.985)           43870     43870 0.00288   0.0288 149.00- 189.00    53.07
               Average of Peak Concentrations =   0.0302
-------------------------------------------------------------------------------
   37 Aroclor-1242                                 CAS #: 53469-21-9
  7.004   7.012 (1.734)           82658     82658 0.00297   0.0297  80.00- 120.00   100.00(a)
  7.352   7.370 (1.820)           11621     11621 0.00166   0.0166  22.42-  62.42    14.06
  7.414   7.423 (1.836)           23711     23711 0.00196   0.0196  53.46-  93.46    28.69
  7.796   7.803 (1.930)           38220     38220 0.000914  0.00914 233.45- 273.45    46.24
  8.019   8.027 (1.985)           43870     43870 0.00169   0.0169 137.35- 177.35    53.07
               Average of Peak Concentrations =   0.0184
-------------------------------------------------------------------------------
   40 Aroclor-1260                                 CAS #: 11096-82-5
 12.056  12.055 (2.985)           86674     86674 0.00208   0.0208  80.00- 120.00   100.00(a)
 12.139  12.146 (3.005)           27115     27115 0.00111   0.0111  36.84-  76.84    31.28
 12.546  12.548 (3.106)           78672     78672 0.00175   0.0175  84.02- 124.02    90.77
 12.666  12.666 (3.136)           26953     26953 0.00109   0.0108  29.57-  69.57    31.10
 12.976  12.978 (3.212)          140904    140904 0.00144   0.0144 196.99- 236.99   162.57
               Average of Peak Concentrations =   0.0149
-------------------------------------------------------------------------------
   41 Aroclor-1262                                 CAS #: 37324-23-5H
 12.056  12.065 (2.985)           86674     86674 0.00138   0.0138  80.00- 120.00   100.00(a)
 12.546  12.559 (3.106)           78672     78672 0.00134   0.0134  73.82- 113.82    90.77
 12.976  12.989 (3.212)          140904    140904 0.00121   0.0121 168.39- 208.39   162.57
 13.586  13.594 (3.364)           91355     91355 0.00113   0.0113 108.23- 148.23   105.40
 14.569  14.579 (3.607)           15532     15532 0.000392  0.00392  40.82-  80.82    17.92
-------------------------------------------------------------------------------
   45 Total PCB                                    CAS #: 1336-36-3
 18.311  18.290 (4.533)           10557     10557                    0.00-  20.00   100.00(a)
-------------------------------------------------------------------------------
```

QC Flag Legend

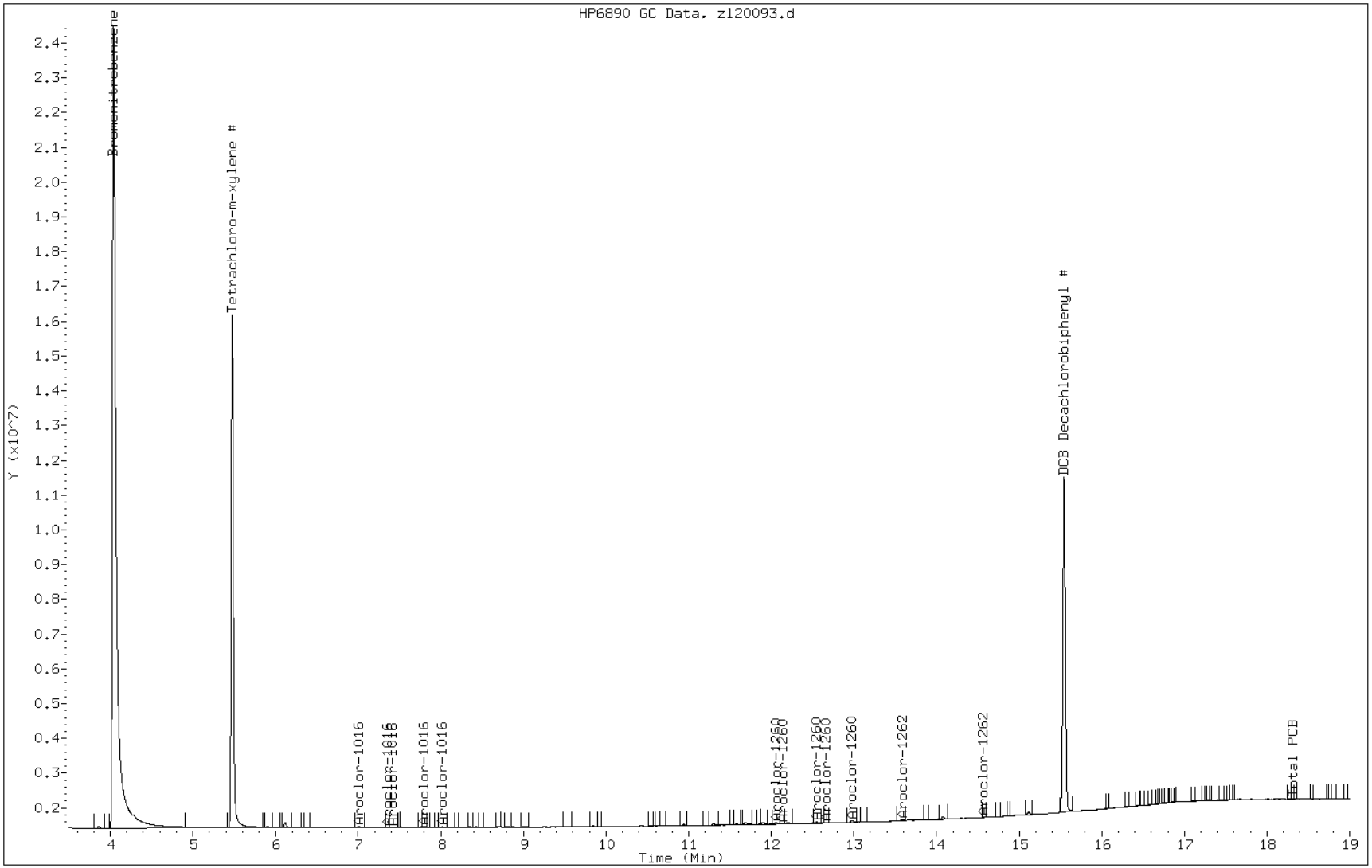
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: zl20093.d

Date: 22-DEC-2012 00:54

Client ID: Instrument: SGZECD2.i

Sample Info: PIBLK-2862859;~5Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: | Lab Sample ID: LCS 680-260189/22-A

Matrix: Solid | Lab File ID: zl20078.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/18/2012 21:09

Sample wt/vol: 15.33(g) | Date Analyzed: 12/21/2012 18:55

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

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

Analysis Batch No.: 260827 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	243		32	2.8
11104-28-2	PCB-1221	66	U	66	4.7
11141-16-5	PCB-1232	32	U	32	3.2
53469-21-9	PCB-1242	32	U	32	2.7
12672-29-6	PCB-1248	32	U	32	7.0
11097-69-1	PCB-1254	32	U	32	2.3
11096-82-5	PCB-1260	253		32	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	65		54-133
877-09-8	Tetrachloro-m-xylene	79		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/4Z122012.b/zl20078.d
Lab Smp Id: LCS 680-260189/22-A
Inj Date : 21-DEC-2012 18:55
Operator : Inst ID: SGZECD1.i
Smp Info : LCS 680-260189/22-A~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/4Z122012.b/z3-808182-e1.m
Meth Date : 23-Dec-2012 11:37 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 78
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract
Ws	15.00000	Weight of sample extract
M	0.00000	% Moisture
A	1000.00000	g to kg conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.209	4.212 (1.000)	80447179	80447179	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.487	5.489 (1.304)	33781969	33781969	0.03958	13.2 80.00- 120.00	100.00
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
14.915	14.917 (3.544)	32109121	32109121	0.03253	10.8 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
6.729	6.729 (1.599)	21846431	21846431	0.74286	248 80.00- 120.00	100.00

RT	EXP RT	(REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
34 Aroclor-1016 (continued)							
7.545	7.547	(1.793)	29502978	29502978	0.80506	268 105.00- 145.00	135.05
7.767	7.771	(1.845)	20380791	20380791	0.75088	250 69.49- 109.49	93.29
7.877	7.879	(1.872)	13639183	13639183	0.72376	241 39.45- 79.45	62.43
9.104	9.104	(2.163)	12746808	12746808	0.69868	233 32.13- 72.13	58.35

Average of Peak Concentrations = 248

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40 Aroclor-1260					CAS #: 11096-82-5		
11.659	11.661	(2.770)	34309427	34309427	0.77567	258 80.00- 120.00	100.00
11.737	11.739	(2.789)	19054909	19054909	0.74820	249 33.05- 73.05	55.54
12.140	12.142	(2.885)	17056291	17056291	0.75691	252 31.49- 71.49	49.71
12.597	12.599	(2.993)	85462103	85462103	0.80994	270 198.60- 238.60	249.09
13.072	13.076	(3.106)	41340434	41340434	0.79084	264 88.76- 128.76	120.49

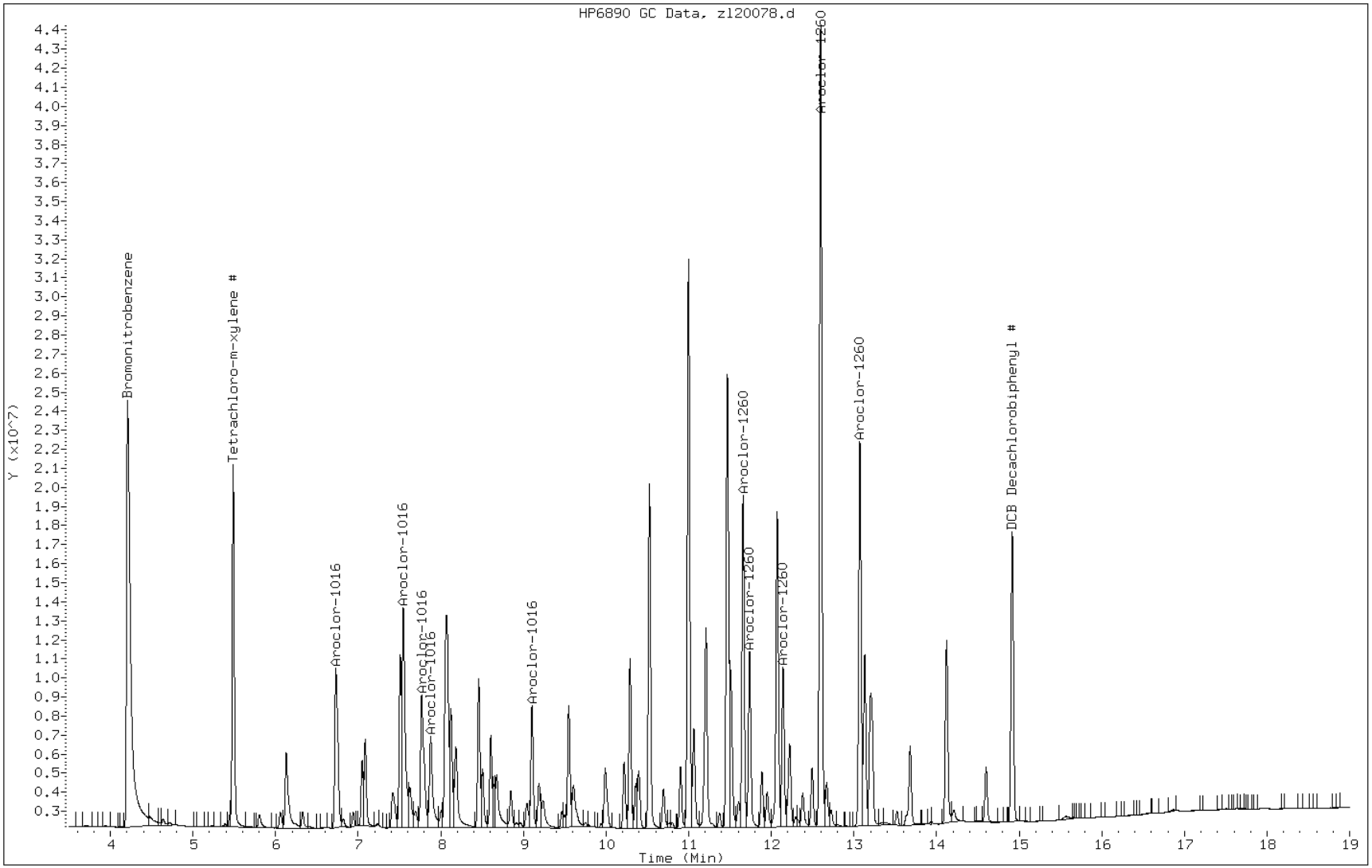
Average of Peak Concentrations = 259

Data File: zl20078.d

Date: 21-DEC-2012 18:55

Client ID: Instrument: SGZECD1.i

Sample Info: LCS 680-260189/22-A~4Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: | Lab Sample ID: LCS 680-260189/22-A

Matrix: Solid | Lab File ID: zl20078.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/18/2012 21:09

Sample wt/vol: 15.33(g) | Date Analyzed: 12/21/2012 18:55

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

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

Analysis Batch No.: 260827 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	72		54-133
877-09-8	Tetrachloro-m-xylene	83		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/4Z122012.b/zl20078.d
Lab Smp Id: LCS 680-260189/22-A
Inj Date : 21-DEC-2012 18:55
Operator : Inst ID: SGZECD2.i
Smp Info : LCS 680-260189/22-A~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/4Z122012.b/z3-808182-e2.m
Meth Date : 23-Dec-2012 11:38 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 78
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract
Ws	15.00000	Weight of sample extract
M	0.00000	% Moisture
A	1000.00000	g to kg conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.037	4.041 (1.000)	81863645	81863645	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.475	5.477 (1.356)	37228429	37228429	0.04128	13.8 80.00- 120.00	100.00
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.545	15.546 (3.851)	37623915	37623915	0.03592	12.0 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
7.002	7.002 (1.734)	28761414	28761414	0.74023	247 80.00- 120.00	100.00

RT	EXP RT	(REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET	RANGE	RATIO
34 Aroclor-1016 (continued)								
7.360	7.361	(1.823)	7369967	7369967	0.74664	249	21.81- 61.81	25.62
7.412	7.414	(1.836)	12384686	12384686	0.70564	235	57.04- 97.04	43.06
7.790	7.792	(1.930)	42293776	42293776	0.64298	214	244.79- 284.79	147.05
8.014	8.016	(1.985)	26390596	26390596	0.70629	235	130.07- 170.07	91.76

Average of Peak Concentrations = 236

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40 Aroclor-1260					CAS #: 11096-82-5			
12.054	12.056	(2.986)	33509353	33509353	0.74956	250	80.00- 120.00	100.00
12.145	12.147	(3.009)	19488582	19488582	0.74560	248	36.84- 76.84	58.16
12.547	12.549	(3.108)	36019001	36019001	0.74702	249	84.02- 124.02	107.49
12.667	12.667	(3.138)	18124422	18124422	0.68079	227	29.57- 69.57	54.09
12.977	12.979	(3.215)	80856864	80856864	0.77293	258	196.99- 236.99	241.30

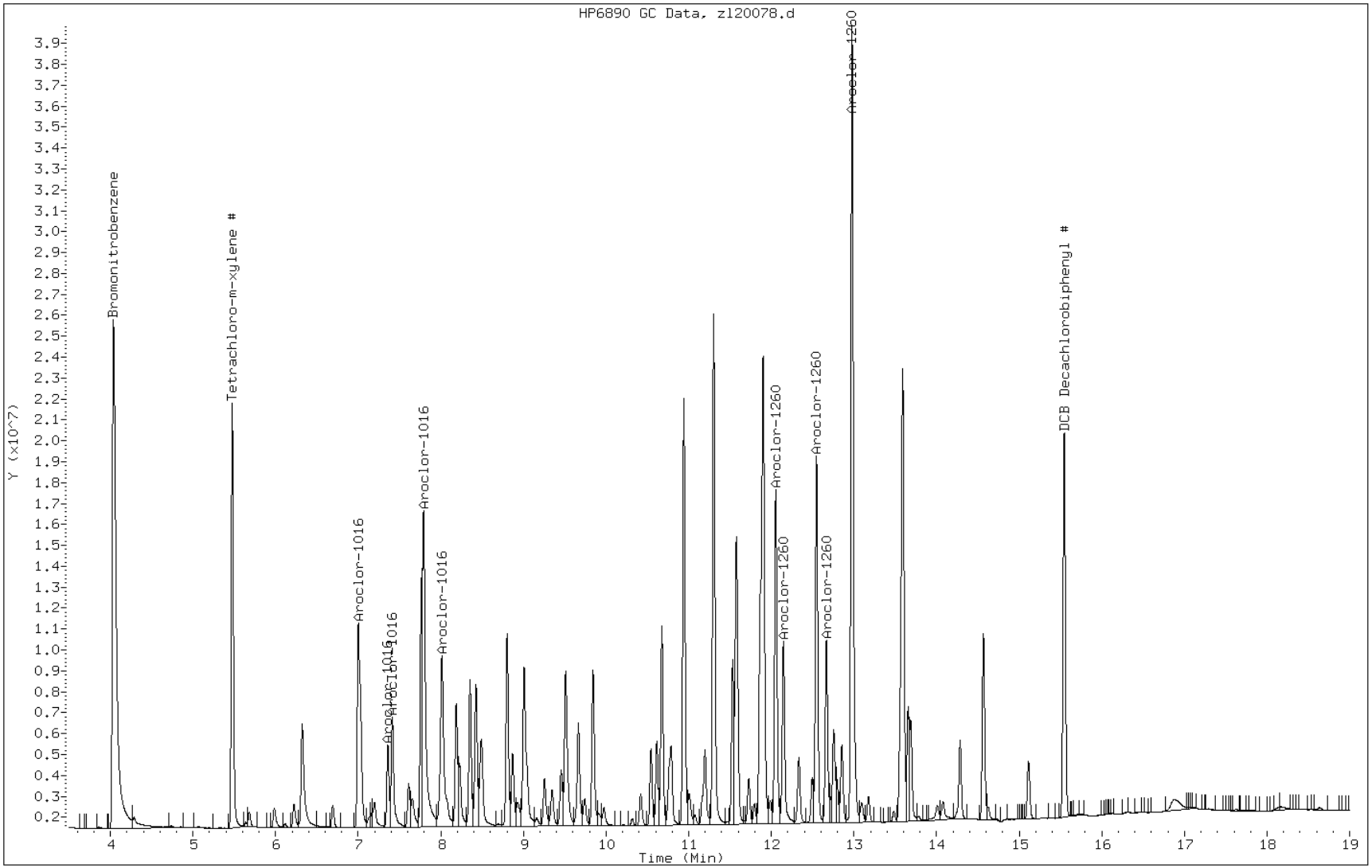
Average of Peak Concentrations = 246

Data File: zl20078.d

Date: 21-DEC-2012 18:55

Client ID: Instrument: SGZECD2.i

Sample Info: LCS 680-260189/22-A~4Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: | Lab Sample ID: 680-85771-C-3-B MS

Matrix: Solid | Lab File ID: zl20088.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/18/2012 21:09

Sample wt/vol: 15.30(g) | Date Analyzed: 12/21/2012 22:54

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: 12.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260827 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11104-28-2	PCB-1221	75	U	75	5.4
11141-16-5	PCB-1232	37	U	37	3.7
53469-21-9	PCB-1242	37	U	37	3.2
12672-29-6	PCB-1248	37	U	37	8.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	49	X	54-133
877-09-8	Tetrachloro-m-xylene	56		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/4Z122012.b/zl20088.d
Lab Smp Id: 680-85771-C-1-B MS
Inj Date : 21-DEC-2012 22:54
Operator : Inst ID: SGZECD1.i
Smp Info : 680-85771-C-1-B MS~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/4Z122012.b/z3-808182-e1.m
Meth Date : 23-Dec-2012 11:37 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 88
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract
Ws	15.00000	Weight of sample extract
M	0.00000	% Moisture
A	1000.00000	g to kg conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.206	4.212 (1.000)	82030954	82030954	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.484	5.489 (1.304)	24540912	24540912	0.02820	9.40 80.00- 120.00	100.00
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
14.916	14.917 (3.546)	24506253	24506253	0.02435	8.12 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
6.728	6.729 (1.600)	6280222	6280222	0.20943	69.8 80.00- 120.00	100.00

RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
34 Aroclor-1016 (continued)						
7.543	7.547 (1.793)	27474540	27474540	0.73524	245 105.00- 145.00	437.48
7.763	7.771 (1.846)	16498839	16498839	0.59612	199 69.49- 109.49	262.71
7.871	7.879 (1.871)	9833678	9833678	0.51175	170 39.45- 79.45	156.58
9.103	9.104 (2.164)	77670409	77670409	4.17506	1390 32.13- 72.13	1236.75
Average of Peak Concentrations = 415						
39 Aroclor-1254				CAS #: 11097-69-1		
9.103	9.113 (2.164)	77670409	77670409	2.56887	856 80.00- 120.00	100.00(A)
9.548	9.558 (2.270)	128163366	128163366	3.28667	1100 110.79- 150.79	165.01
10.216	10.229 (2.429)	173323699	173323699	3.28307	1090 147.87- 187.87	223.15
10.689	10.708 (2.541)	160926169	160926169	3.40494	1130 35.73- 75.73	207.19
10.998	11.009 (2.615)	166188824	166188824	3.71486	1240 0.00- 20.00	213.97
Average of Peak Concentrations = 1080						
40 Aroclor-1260				CAS #: 11096-82-5		
11.659	11.661 (2.772)	32809586	32809586	0.72744	242 80.00- 120.00	100.00
11.738	11.739 (2.791)	23131773	23131773	0.89075	297 33.05- 73.05	70.50
12.143	12.142 (2.887)	17407244	17407244	0.75757	252 31.49- 71.49	53.06
12.596	12.599 (2.995)	88993596	88993596	0.82713	276 198.60- 238.60	271.24
13.071	13.076 (3.108)	50539766	50539766	0.94816	316 88.76- 128.76	154.04
Average of Peak Concentrations = 277						

QC Flag Legend

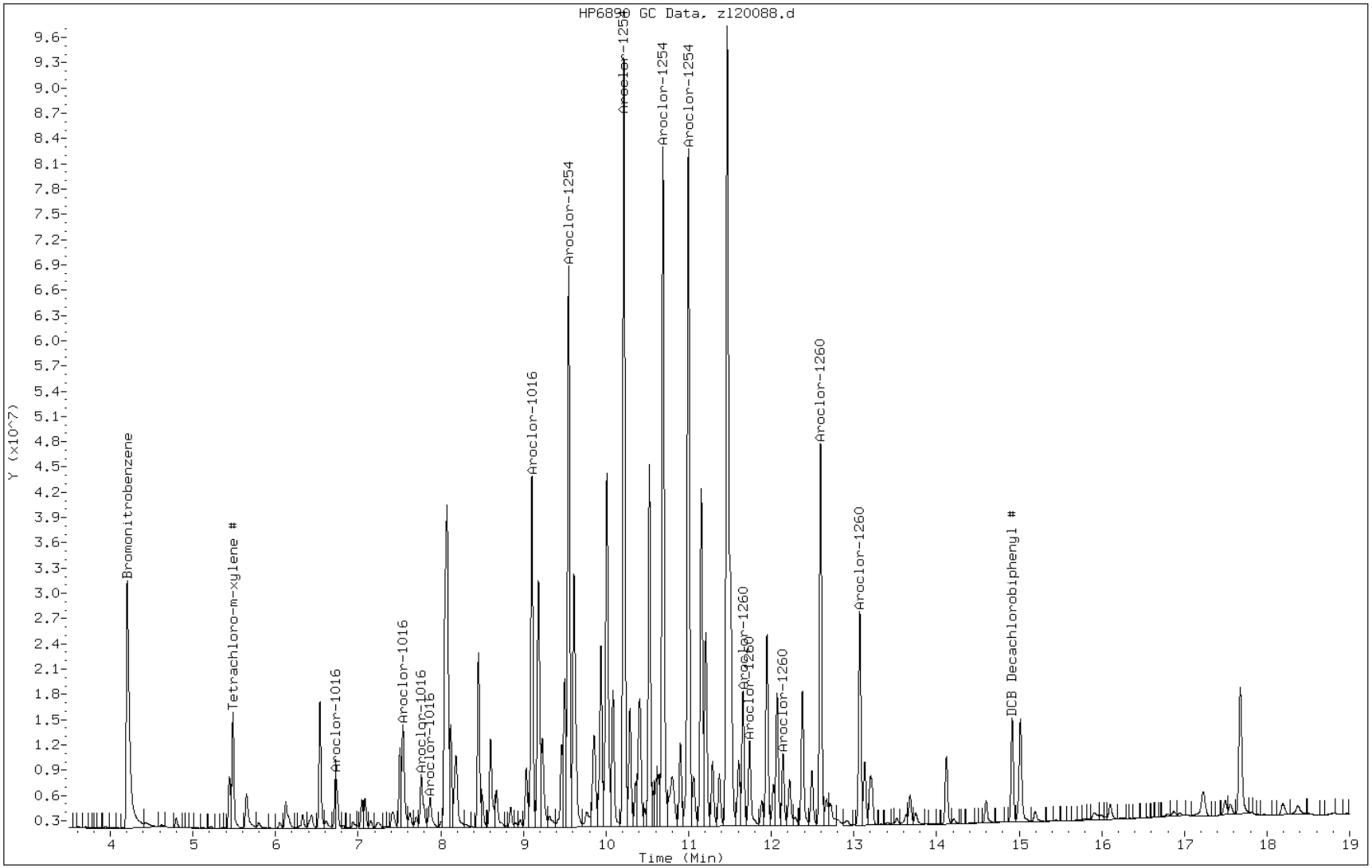
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: zl20088.d

Date: 21-DEC-2012 22:54

Client ID: Instrument: SGZECD1.i

Sample Info: 680-85771-C-1-B MS~4Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: | Lab Sample ID: 680-85771-C-3-B MS

Matrix: Solid | Lab File ID: zl20088.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/18/2012 21:09

Sample wt/vol: 15.30(g) | Date Analyzed: 12/21/2012 22:54

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

% Moisture: 12.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260827 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	220		37	3.3
11097-69-1	PCB-1254	1390		37	2.6
11096-82-5	PCB-1260	317		37	7.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	52	X	54-133
877-09-8	Tetrachloro-m-xylene	53		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/4Z122012.b/zl20088.d
Lab Smp Id: 680-85771-C-1-B MS
Inj Date : 21-DEC-2012 22:54
Operator : Inst ID: SGZECD2.i
Smp Info : 680-85771-C-1-B MS~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/4Z122012.b/z3-808182-e2.m
Meth Date : 23-Dec-2012 11:38 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 88
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract
Ws	15.00000	Weight of sample extract
M	0.00000	% Moisture
A	1000.00000	g to kg conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.033	4.041 (1.000)	81612863	81612863	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.473	5.477 (1.357)	23669023	23669023	0.02633	8.78 80.00- 120.00	100.00
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.546	15.546 (3.855)	27137764	27137764	0.02599	8.66 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
7.003	7.002 (1.736)	20566905	20566905	0.53095	177 80.00- 120.00	100.00

RT	EXP RT	(REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
34 Aroclor-1016 (continued)							
7.359	7.361	(1.825)	6858754	6858754	0.69699	232 21.81- 61.81	33.35
7.413	7.414	(1.838)	9532439	9532439	0.54480	182 57.04- 97.04	46.35
7.788	7.792	(1.931)	39761626	39761626	0.60634	202 244.79- 284.79	193.33
8.009	8.016	(1.986)	20743416	20743416	0.55686	186 130.07- 170.07	100.86
Average of Peak Concentrations = 196							
39 Aroclor-1254					CAS #: 11097-69-1		
9.513	9.521	(2.359)	131204670	131204670	2.98334	994 80.00- 120.00	100.00(A)
9.841	9.853	(2.440)	161328358	161328358	3.68403	1230 77.34- 117.34	122.96
10.613	10.626	(2.632)	220917945	220917945	3.68328	1230 116.51- 156.51	168.38
11.003	11.019	(2.728)	160225029	160225029	3.45275	1150 83.59- 123.59	122.12
11.583	11.601	(2.872)	168499581	168499581	4.70877	1570 19.72- 59.72	128.42
Average of Peak Concentrations = 1230							
40 Aroclor-1260					CAS #: 11096-82-5		
12.059	12.056	(2.990)	46216490	46216490	1.03697	346 80.00- 120.00	100.00
12.146	12.147	(3.012)	21760454	21760454	0.83507	278 36.84- 76.84	47.08
12.548	12.549	(3.112)	36770469	36770469	0.76495	255 84.02- 124.02	79.56
12.668	12.667	(3.141)	19716844	19716844	0.74288	248 29.57- 69.57	42.66
12.978	12.979	(3.218)	87314218	87314218	0.83722	279 196.99- 236.99	188.92
Average of Peak Concentrations = 281							

QC Flag Legend

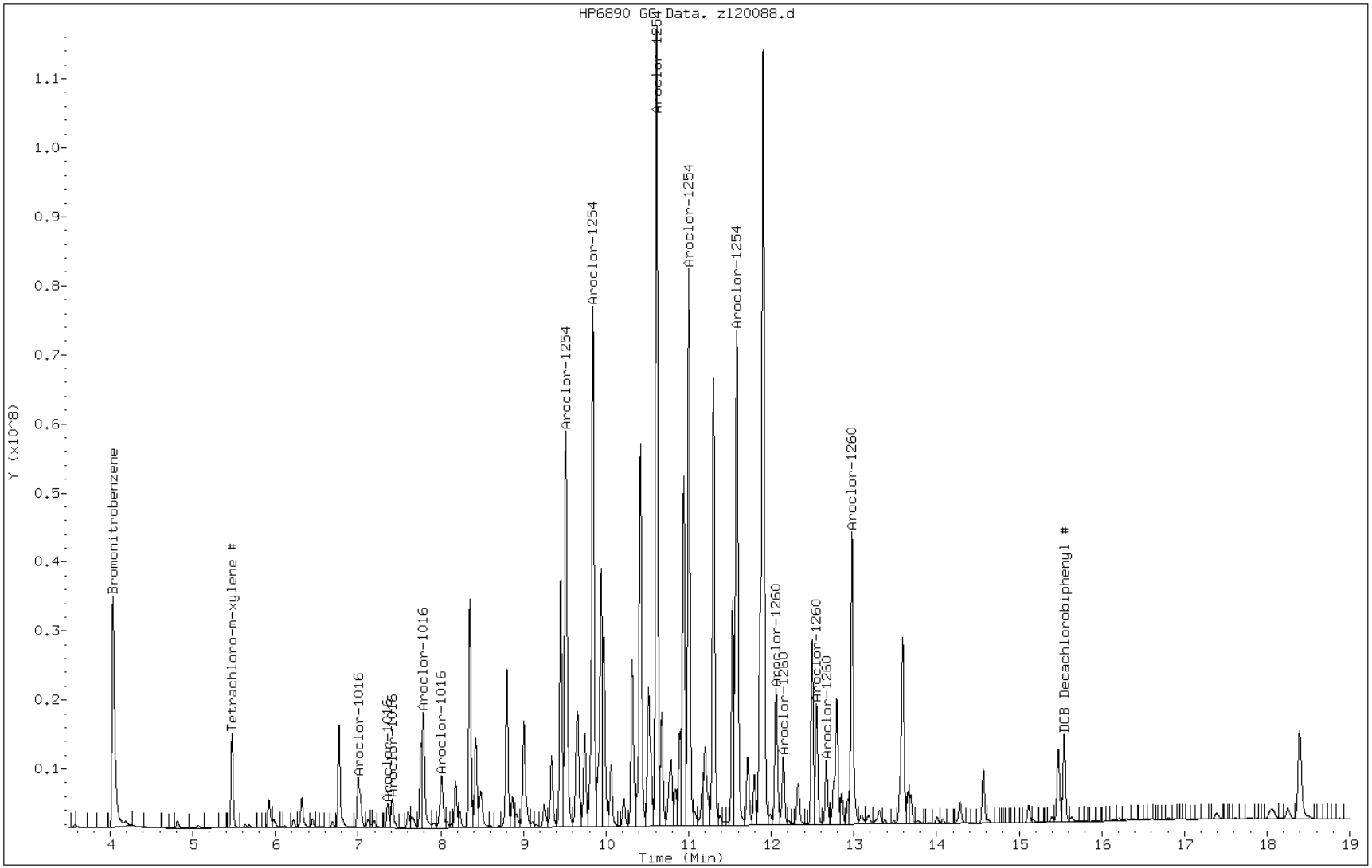
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: zl20088.d

Date: 21-DEC-2012 22:54

Client ID: Instrument: SGZECD2.i

Sample Info: 680-85771-C-1-B MS~4Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: | Lab Sample ID: 680-85771-C-3-C MSD

Matrix: Solid | Lab File ID: zl20089.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/18/2012 21:09

Sample wt/vol: 15.47(g) | Date Analyzed: 12/21/2012 23:18

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: 12.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260827 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	497		37	3.2
11104-28-2	PCB-1221	75	U	75	5.3
11141-16-5	PCB-1232	37	U	37	3.7
53469-21-9	PCB-1242	37	U	37	3.1
12672-29-6	PCB-1248	37	U	37	8.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	51	X	54-133
877-09-8	Tetrachloro-m-xylene	78		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD1.i/4Z122012.b/zl20089.d
Lab Smp Id: 680-85771-C-1-C MSD
Inj Date : 21-DEC-2012 23:18
Operator : Inst ID: SGZECD1.i
Smp Info : 680-85771-C-1-C MSD~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD1.i/4Z122012.b/z3-808182-e1.m
Meth Date : 23-Dec-2012 11:37 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 89
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract
Ws	15.00000	Weight of sample extract
M	0.00000	% Moisture
A	1000.00000	g to kg conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

RT	EXP RT	(REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene					CAS #:		
4.207	4.212	(1.000)	82438869	82438869	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #					CAS #: 877-09-8		
5.485	5.489	(1.304)	34190537	34190537	0.03909	13.0 80.00- 120.00	100.00
$ 33 DCB Decachlorobiphenyl #					CAS #: 2051-24-3		
14.920	14.917	(3.547)	25703845	25703845	0.02541	8.47 80.00- 120.00	100.00
34 Aroclor-1016					CAS #: 12674-11-2		
6.728	6.729	(1.599)	25557359	25557359	0.84805	283 80.00- 120.00	100.00

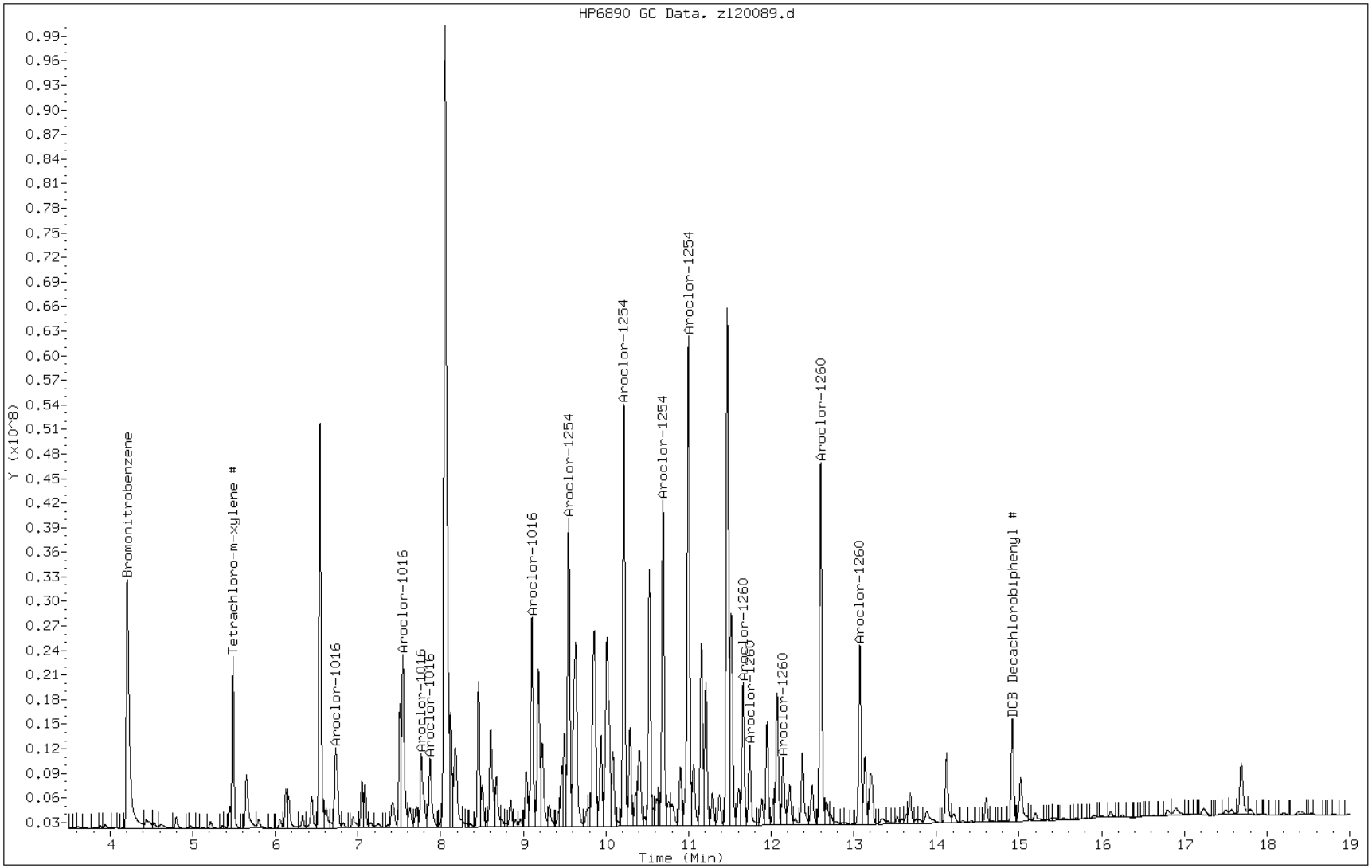
RT	EXP RT	(REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET	RANGE	RATIO
34 Aroclor-1016 (continued)								
7.542	7.547	(1.793)	46375091	46375091	1.23489	412	105.00- 145.00	181.45
7.765	7.771	(1.846)	23583453	23583453	0.84789	283	69.49- 109.49	92.28
7.872	7.879	(1.871)	22051343	22051343	1.14188	381	39.45- 79.45	86.28
9.103	9.104	(2.164)	49074080	49074080	2.62486	875	32.13- 72.13	192.02
Average of Peak Concentrations =						446		
39 Aroclor-1254					CAS #: 11097-69-1			
9.103	9.113	(2.164)	49074080	49074080	1.61504	538	80.00- 120.00	100.00
9.548	9.558	(2.270)	75843140	75843140	1.93533	645	110.79- 150.79	154.55
10.217	10.229	(2.429)	96780559	96780559	1.82413	608	147.87- 187.87	197.21
10.690	10.708	(2.541)	80701158	80701158	1.69906	566	35.73- 75.73	164.45
10.998	11.009	(2.615)	126192774	126192774	2.80686	936	0.00- 20.00	257.15
Average of Peak Concentrations =						659		
40 Aroclor-1260					CAS #: 11096-82-5			
11.660	11.661	(2.772)	34213748	34213748	0.75482	252	80.00- 120.00	100.00
11.740	11.739	(2.791)	20793854	20793854	0.79676	266	33.05- 73.05	60.78
12.143	12.142	(2.887)	17311714	17311714	0.74968	250	31.49- 71.49	50.60
12.598	12.599	(2.995)	88065877	88065877	0.81445	271	198.60- 238.60	257.40
13.073	13.076	(3.108)	44097943	44097943	0.82321	274	88.76- 128.76	128.89
Average of Peak Concentrations =						262		

Data File: zl20089.d

Date: 21-DEC-2012 23:18

Client ID: Instrument: SGZECD1.i

Sample Info: 680-85771-C-1-C MSD~4Z122012~ Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-85785-5

SDG No.: 68085785-5

Client Sample ID: | Lab Sample ID: 680-85771-C-3-C MSD

Matrix: Solid | Lab File ID: zl20089.d

Analysis Method: 8081B/8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 12/18/2012 21:09

Sample wt/vol: 15.47(g) | Date Analyzed: 12/21/2012 23:18

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP II ID: 0.32(mm)

% Moisture: 12.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 260827 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11097-69-1	PCB-1254	803		37	2.6
11096-82-5	PCB-1260	307		37	7.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	54		54-133
877-09-8	Tetrachloro-m-xylene	84		46-130

TESTAMERICA SAVANNAH

8081/8082 PESTICIDE/PCB

Data file : /chem/SG/SGZECD2.i/4Z122012.b/zl20089.d
Lab Smp Id: 680-85771-C-1-C MSD
Inj Date : 21-DEC-2012 23:18
Operator : Inst ID: SGZECD2.i
Smp Info : 680-85771-C-1-C MSD~4Z122012~
Misc Info :
Comment :
Method : /chem/SG/SGZECD2.i/4Z122012.b/z3-808182-e2.m
Meth Date : 23-Dec-2012 11:38 kellarj Quant Type: ISTD
Cal Date : 11-DEC-2012 23:02 Cal File: zl11037.d
Als bottle: 89
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: savchem3

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract
Ws	15.00000	Weight of sample extract
M	0.00000	% Moisture
A	1000.00000	g to kg conversion
E	1.00000	ug to mg conversion (1 if no conversion)

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
* 1 Bromonitrobenzene				CAS #:		
4.032	4.041 (1.000)	78758232	78758232	0.10000	0.100 80.00- 120.00	100.00
$ 3 Tetrachloro-m-xylene #				CAS #: 877-09-8		
5.473	5.477 (1.358)	36465844	36465844	0.04203	14.0 80.00- 120.00	100.00
$ 33 DCB Decachlorobiphenyl #				CAS #: 2051-24-3		
15.547	15.546 (3.856)	27012388	27012388	0.02681	8.94 80.00- 120.00	100.00
34 Aroclor-1016				CAS #: 12674-11-2		
7.002	7.002 (1.737)	30767293	30767293	0.82307	274 80.00- 120.00	100.00

RT	EXP RT (REL RT)	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/kg)	TARGET RANGE	RATIO
34 Aroclor-1016 (continued)						
7.360	7.361 (1.826)	10974058	10974058	1.15561	385 21.81- 61.81	35.67
7.412	7.414 (1.838)	12916071	12916071	0.76493	255 57.04- 97.04	41.98
7.788	7.792 (1.932)	63674343	63674343	1.00619	335 244.79- 284.79	206.95
8.010	8.016 (1.987)	26832231	26832231	0.74643	249 130.07- 170.07	87.21
Average of Peak Concentrations = 300						
39 Aroclor-1254				CAS #: 11097-69-1		
9.513	9.521 (2.360)	85200875	85200875	2.00752	669 80.00- 120.00	100.00(A)
9.842	9.853 (2.441)	87711576	87711576	2.07554	692 77.34- 117.34	102.95
10.613	10.626 (2.632)	116761966	116761966	2.01729	672 116.51- 156.51	137.04
11.003	11.019 (2.729)	82662949	82662949	1.84590	615 83.59- 123.59	97.02
11.582	11.601 (2.873)	99005022	99005022	2.86701	956 19.72- 59.72	116.20
Average of Peak Concentrations = 721						
40 Aroclor-1260				CAS #: 11096-82-5		
12.058	12.056 (2.991)	40854155	40854155	0.94988	317 80.00- 120.00	100.00
12.147	12.147 (3.013)	19060884	19060884	0.75799	253 36.84- 76.84	46.66
12.548	12.549 (3.112)	38045357	38045357	0.82016	273 84.02- 124.02	93.12
12.668	12.667 (3.142)	18441480	18441480	0.72001	240 29.57- 69.57	45.14
12.980	12.979 (3.220)	89905615	89905615	0.89332	298 196.99- 236.99	220.06
Average of Peak Concentrations = 276						

QC Flag Legend

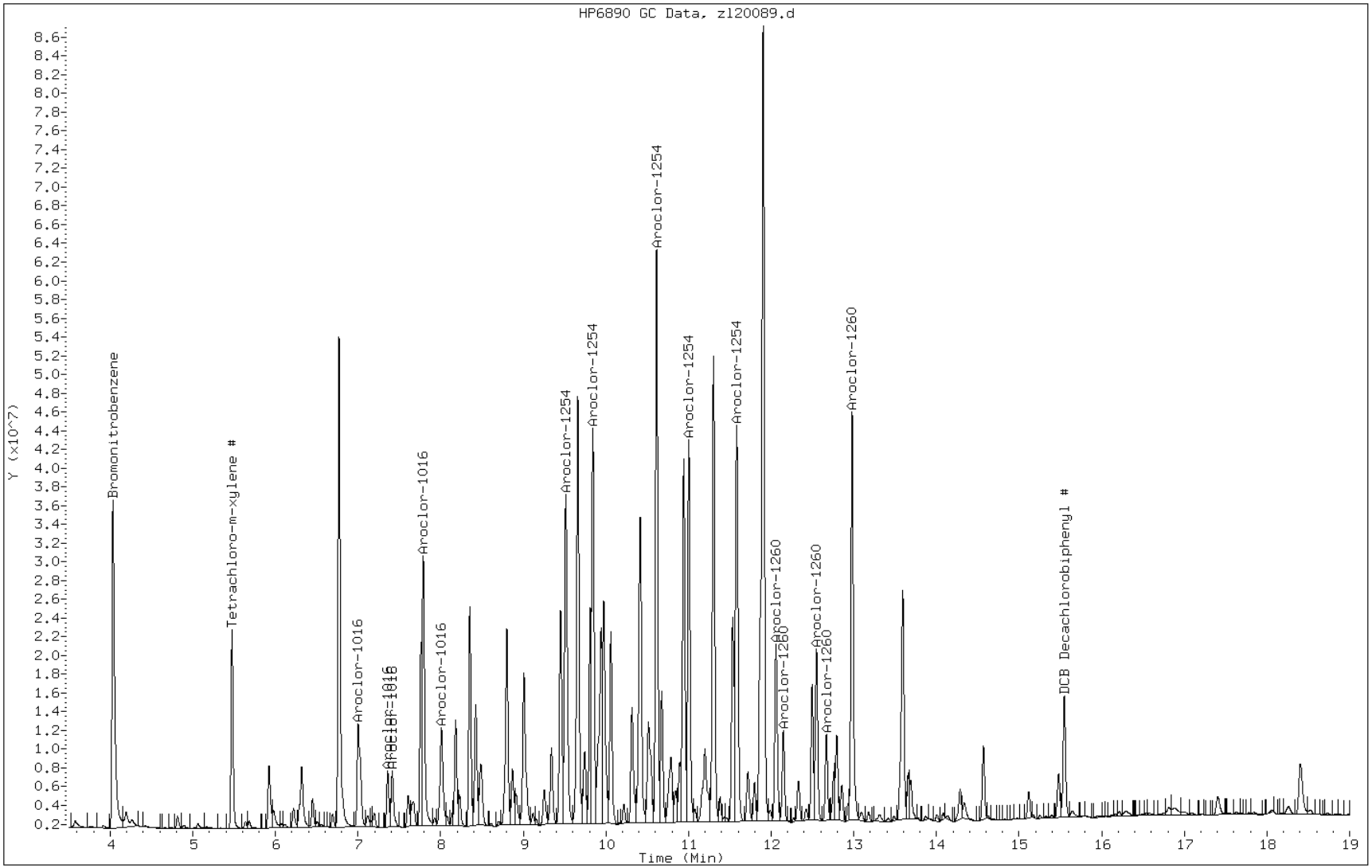
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: zl20089.d

Date: 21-DEC-2012 23:18

Client ID: Instrument: SGZECD2.i

Sample Info: 680-85771-C-1-C MSD~4Z122012~ Operator:



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Instrument ID: SGZ Start Date: 12/17/2012 22:33

Analysis Batch Number: 260421 End Date: 12/18/2012 10:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 680-260421/1		12/17/2012 22:33	1		CLP I 0.32(mm)
PEM 680-260421/1		12/17/2012 22:33	1		CLP II 0.32(mm)
CCVIS 680-260421/2		12/17/2012 22:58	1		CLP I 0.32(mm)
CCVIS 680-260421/2		12/17/2012 22:58	1		CLP II 0.32(mm)
CCV 680-260421/3		12/17/2012 23:21	1		CLP I 0.32(mm)
CCV 680-260421/3		12/17/2012 23:21	1		CLP II 0.32(mm)
CCV 680-260421/4		12/17/2012 23:45	1		CLP I 0.32(mm)
CCV 680-260421/4		12/17/2012 23:45	1		CLP II 0.32(mm)
CCV 680-260421/5		12/18/2012 00:09	1		CLP I 0.32(mm)
CCV 680-260421/5		12/18/2012 00:09	1		CLP II 0.32(mm)
PIBLK 680-260421/6		12/18/2012 00:33	1		CLP I 0.32(mm)
PIBLK 680-260421/6		12/18/2012 00:33	1		CLP II 0.32(mm)
IC 680-260421/7		12/18/2012 00:57	1	z117030.d	CLP I 0.32(mm)
IC 680-260421/7		12/18/2012 00:57	1	z117030.d	CLP II 0.32(mm)
IC 680-260421/8		12/18/2012 01:21	1	z117031.d	CLP I 0.32(mm)
IC 680-260421/8		12/18/2012 01:21	1	z117031.d	CLP II 0.32(mm)
IC 680-260421/9		12/18/2012 01:45	1	z117032.d	CLP I 0.32(mm)
IC 680-260421/9		12/18/2012 01:45	1	z117032.d	CLP II 0.32(mm)
IC 680-260421/10		12/18/2012 02:09	1	z117033.d	CLP I 0.32(mm)
IC 680-260421/10		12/18/2012 02:09	1	z117033.d	CLP II 0.32(mm)
IC 680-260421/11		12/18/2012 02:33	1	z117034.d	CLP I 0.32(mm)
IC 680-260421/11		12/18/2012 02:33	1	z117034.d	CLP II 0.32(mm)
IC 680-260421/12		12/18/2012 02:57	1	z117035.d	CLP I 0.32(mm)
IC 680-260421/12		12/18/2012 02:57	1	z117035.d	CLP II 0.32(mm)
IC 680-260421/13		12/18/2012 03:21	1	z117036.d	CLP I 0.32(mm)
IC 680-260421/13		12/18/2012 03:21	1	z117036.d	CLP II 0.32(mm)
IC 680-260421/14		12/18/2012 03:45	1	z117037.d	CLP I 0.32(mm)
IC 680-260421/14		12/18/2012 03:45	1	z117037.d	CLP II 0.32(mm)
IC 680-260421/15		12/18/2012 04:09	1	z117038.d	CLP I 0.32(mm)
IC 680-260421/15		12/18/2012 04:09	1	z117038.d	CLP II 0.32(mm)
IC 680-260421/16		12/18/2012 04:33	1	z117039.d	CLP I 0.32(mm)
IC 680-260421/16		12/18/2012 04:33	1	z117039.d	CLP II 0.32(mm)
ICV 680-260421/17		12/18/2012 04:57	1		CLP I 0.32(mm)
ICV 680-260421/17		12/18/2012 04:57	1		CLP II 0.32(mm)
PIBLK 680-260421/18		12/18/2012 05:21	1		CLP I 0.32(mm)
PIBLK 680-260421/18		12/18/2012 05:21	1		CLP II 0.32(mm)
ZZZZZ		12/18/2012 05:45	4000		CLP I 0.32(mm)
ZZZZZ		12/18/2012 05:45	4000		CLP II 0.32(mm)
ZZZZZ		12/18/2012 06:09	1		CLP I 0.32(mm)
ZZZZZ		12/18/2012 06:09	1		CLP II 0.32(mm)
ZZZZZ		12/18/2012 06:33	1		CLP I 0.32(mm)
ZZZZZ		12/18/2012 06:33	1		CLP II 0.32(mm)
ZZZZZ		12/18/2012 06:56	1		CLP I 0.32(mm)
ZZZZZ		12/18/2012 06:56	1		CLP II 0.32(mm)
ZZZZZ		12/18/2012 07:20	1		CLP I 0.32(mm)

8081B/8082A

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Instrument ID: SGZ Start Date: 12/17/2012 22:33

Analysis Batch Number: 260421 End Date: 12/18/2012 10:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/18/2012 07:20	1		CLP II 0.32(mm)
ZZZZZ		12/18/2012 07:44	1		CLP I 0.32(mm)
ZZZZZ		12/18/2012 07:44	1		CLP II 0.32(mm)
ZZZZZ		12/18/2012 08:08	1		CLP I 0.32(mm)
ZZZZZ		12/18/2012 08:08	1		CLP II 0.32(mm)
ZZZZZ		12/18/2012 08:32	1		CLP I 0.32(mm)
ZZZZZ		12/18/2012 08:32	1		CLP II 0.32(mm)
ZZZZZ		12/18/2012 08:56	1		CLP I 0.32(mm)
ZZZZZ		12/18/2012 08:56	1		CLP II 0.32(mm)
ZZZZZ		12/18/2012 09:20	10		CLP I 0.32(mm)
ZZZZZ		12/18/2012 09:20	10		CLP II 0.32(mm)
ZZZZZ		12/18/2012 10:08	1		CLP I 0.32(mm)
ZZZZZ		12/18/2012 10:08	1		CLP II 0.32(mm)
ZZZZZ		12/18/2012 10:32	1		CLP I 0.32(mm)
ZZZZZ		12/18/2012 10:32	1		CLP II 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Instrument ID: SGZ Start Date: 12/21/2012 15:04

Analysis Batch Number: 260827 End Date: 12/22/2012 00:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 680-260827/14		12/21/2012 15:04	1	z120069.d	CLP I 0.32(mm)
PEM 680-260827/14		12/21/2012 15:04	1	z120069.d	CLP II 0.32(mm)
ZZZZZ		12/21/2012 15:28	1		CLP I 0.32(mm)
ZZZZZ		12/21/2012 15:28	1		CLP II 0.32(mm)
CCVIS 680-260827/16		12/21/2012 15:52	1	z120071.d	CLP I 0.32(mm)
CCVIS 680-260827/16		12/21/2012 15:52	1	z120071.d	CLP II 0.32(mm)
PIBLK 680-260827/17		12/21/2012 17:27	1	z120075.d	CLP I 0.32(mm)
PIBLK 680-260827/17		12/21/2012 17:27	1	z120075.d	CLP II 0.32(mm)
MB 680-260189/18-A		12/21/2012 18:07	1	z120076.d	CLP I 0.32(mm)
MB 680-260189/18-A		12/21/2012 18:07	1	z120076.d	CLP II 0.32(mm)
LCS 680-260189/22-A		12/21/2012 18:55	1	z120078.d	CLP I 0.32(mm)
LCS 680-260189/22-A		12/21/2012 18:55	1	z120078.d	CLP II 0.32(mm)
ZZZZZ		12/21/2012 19:19	10		CLP I 0.32(mm)
ZZZZZ		12/21/2012 19:19	10		CLP II 0.32(mm)
ZZZZZ		12/21/2012 19:43	10		CLP I 0.32(mm)
ZZZZZ		12/21/2012 19:43	10		CLP II 0.32(mm)
ZZZZZ		12/21/2012 20:07	10		CLP I 0.32(mm)
ZZZZZ		12/21/2012 20:07	10		CLP II 0.32(mm)
ZZZZZ		12/21/2012 20:31	1		CLP I 0.32(mm)
ZZZZZ		12/21/2012 20:31	1		CLP II 0.32(mm)
ZZZZZ		12/21/2012 20:55	1		CLP I 0.32(mm)
ZZZZZ		12/21/2012 20:55	1		CLP II 0.32(mm)
ZZZZZ		12/21/2012 21:19	1		CLP I 0.32(mm)
ZZZZZ		12/21/2012 21:19	1		CLP II 0.32(mm)
ZZZZZ		12/21/2012 21:43	1		CLP I 0.32(mm)
ZZZZZ		12/21/2012 21:43	1		CLP II 0.32(mm)
680-85785-24	CV0705C-GS	12/21/2012 22:07	1	z120086.d	CLP I 0.32(mm)
680-85785-24	CV0705C-GS	12/21/2012 22:07	1	z120086.d	CLP II 0.32(mm)
ZZZZZ		12/21/2012 22:30	50		CLP I 0.32(mm)
ZZZZZ		12/21/2012 22:30	50		CLP II 0.32(mm)
680-85771-C-3-B MS		12/21/2012 22:54	1	z120088.d	CLP I 0.32(mm)
680-85771-C-3-B MS		12/21/2012 22:54	1	z120088.d	CLP II 0.32(mm)
680-85771-C-3-C MSD		12/21/2012 23:18	1	z120089.d	CLP I 0.32(mm)
680-85771-C-3-C MSD		12/21/2012 23:18	1	z120089.d	CLP II 0.32(mm)
CCV 680-260827/18		12/22/2012 00:30	1	z120092.d	CLP I 0.32(mm)
CCV 680-260827/18		12/22/2012 00:30	1	z120092.d	CLP II 0.32(mm)
PIBLK 680-260827/19		12/22/2012 00:54	1	z120093.d	CLP I 0.32(mm)
PIBLK 680-260827/19		12/22/2012 00:54	1	z120093.d	CLP II 0.32(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Batch Number: 260189 Batch Start Date: 12/18/12 21:09 Batch Analyst: Wright, Amanda J

Batch Method: 3546 Batch End Date: 12/18/12 21:39

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	1660wkSPIK 00097	PESTwkSURR 00140	AnalysisComment	
680-85785-B-24	CV0705C-GS	3546, 8081B/8082A	T	15.23 g	5 mL		0.5 mL		
MB 680-260189/18		3546, 8081B/8082A		15.14 g	5 mL		0.5 mL		
LCS 680-260189/22		3546, 8081B/8082A		15.33 g	5 mL	0.5 mL	0.5 mL	1660	
680-85771-C-3 MS		3546, 8081B/8082A	T	15.30 g	5 mL	0.5 mL	0.5 mL	1660	
680-85771-C-3 MSD		3546, 8081B/8082A	T	15.47 g	5 mL	0.5 mL	0.5 mL	1660	

Batch Notes	
Acetone Lot #	2910384
Balance ID	30
Batch Comment	8081/8082/TOX box FO
Person's name who did the concentration	JCS/AJW
Exchange Solvent Lot #	2915101
Exchange Solvent Name	HEXANE
Final Concentrator Volume	5 mL
Hexane Lot#	2915101
Microwave Start Time	2109
Microwave Stop Time	2139
Na2SO4 Lot Number	2913832
Ottawa Sand Lot #	2899320
Person's name who did the prep	JCS/AJW
Person who witnessed spiking	JCS

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-85785-5

SDG No.: 68085785-5

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
HP0019C-CS	680-85785-8
HP0241A-CS-SP	680-85785-10
CV0507A-CS-SP	680-85785-15
CV0511AB-GS	680-85785-29
CV0511S-CS	680-85785-52
HP0019C-CS (sieve)	680-85785-65
HP0241A-CS-SP (sieve)	680-85785-66
CV0507A-CS-SP (sieve)	680-85785-67
CV0511AB-GS (sieve)	680-85785-68
CV0511S-CS (sieve)	680-85785-69

Comments:

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METALS

Lab Name: TestAmerica Tampa Job Number: 680-85785-5

SDG No.: 68085785-5

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
HP0019C-CS	680-85785-8
HP0241A-CS-SP	680-85785-10
CV0507A-CS-SP	680-85785-15
CV0511AB-GS	680-85785-29
CV0511S-CS	680-85785-52
HP0019C-CS (sieve)	680-85785-65
HP0241A-CS-SP (sieve)	680-85785-66
CV0507A-CS-SP (sieve)	680-85785-67
CV0511AB-GS (sieve)	680-85785-68
CV0511S-CS (sieve)	680-85785-69

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0019C-CS
Lab Sample ID: 680-85785-8
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:12
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 78.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	36	2.5	0.73	mg/Kg			1	6010C
7440-39-3	Barium	150	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	1.5	0.62	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	92	1.2	0.62	mg/Kg			1	6010C
7439-92-1	Lead	89	1.2	0.66	mg/Kg			1	6010C
7782-49-2	Selenium	3.2	3.1	1.2	mg/Kg			1	6010C
7440-22-4	Silver	1.2	1.2	0.12	mg/Kg	U		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0241A-CS-SP
Lab Sample ID: 680-85785-10
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:39
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 79.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	29	2.2	0.66	mg/Kg			1	6010C
7440-39-3	Barium	210	1.1	0.34	mg/Kg			1	6010C
7440-43-9	Cadmium	2.2	0.56	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	57	1.1	0.56	mg/Kg			1	6010C
7439-92-1	Lead	370	1.1	0.59	mg/Kg			1	6010C
7782-49-2	Selenium	4.5	2.8	1.1	mg/Kg			1	6010C
7440-22-4	Silver	1.1	1.1	0.11	mg/Kg	U		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0507A-CS-SP
Lab Sample ID: 680-85785-15
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 10:00
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 81.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	8.7	2.4	0.70	mg/Kg			1	6010C
7440-39-3	Barium	68	1.2	0.36	mg/Kg			1	6010C
7440-43-9	Cadmium	0.60	0.59	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	20	1.2	0.59	mg/Kg			1	6010C
7439-92-1	Lead	68	1.2	0.63	mg/Kg			1	6010C
7782-49-2	Selenium	3.0	3.0	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	1.2	1.2	0.11	mg/Kg	U		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0511AB-GS
Lab Sample ID: 680-85785-29
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:24
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 55.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	55	3.4	1.0	mg/Kg			1	6010C
7440-39-3	Barium	230	1.7	0.52	mg/Kg			1	6010C
7440-43-9	Cadmium	3.5	0.86	0.17	mg/Kg			1	6010C
7440-47-3	Chromium	73	1.7	0.86	mg/Kg			1	6010C
7439-92-1	Lead	320	1.7	0.91	mg/Kg			1	6010C
7782-49-2	Selenium	3.0	4.3	1.7	mg/Kg	J		1	6010C
7440-22-4	Silver	0.54	1.7	0.17	mg/Kg	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0511S-CS
Lab Sample ID: 680-85785-52
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 14:00
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 63.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	79	3.0	0.88	mg/Kg			1	6010C
7440-39-3	Barium	52	1.5	0.45	mg/Kg			1	6010C
7440-43-9	Cadmium	1.3	0.74	0.15	mg/Kg			1	6010C
7440-47-3	Chromium	35	1.5	0.74	mg/Kg			1	6010C
7439-92-1	Lead	110	1.5	0.79	mg/Kg			1	6010C
7782-49-2	Selenium	2.4	3.7	1.5	mg/Kg	J		1	6010C
7440-22-4	Silver	1.5	1.5	0.14	mg/Kg	U		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0019C-CS (sieve)
Lab Sample ID: 680-85785-65
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:12
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 87.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	33	2.2	0.65	mg/Kg			1	6010C
7440-39-3	Barium	160	1.1	0.33	mg/Kg			1	6010C
7440-43-9	Cadmium	1.6	0.55	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	89	1.1	0.55	mg/Kg			1	6010C
7439-92-1	Lead	140	1.1	0.59	mg/Kg			1	6010C
7782-49-2	Selenium	2.9	2.8	1.1	mg/Kg			1	6010C
7440-22-4	Silver	1.1	1.1	0.11	mg/Kg	U		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0241A-CS-SP (sieve)
Lab Sample ID: 680-85785-66
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:39
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 76.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	42	2.4	0.72	mg/Kg			1	6010C
7440-39-3	Barium	260	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	3.4	0.61	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	55	1.2	0.61	mg/Kg			1	6010C
7439-92-1	Lead	630	1.2	0.65	mg/Kg			1	6010C
7782-49-2	Selenium	4.4	3.0	1.2	mg/Kg			1	6010C
7440-22-4	Silver	1.2	1.2	0.12	mg/Kg	U		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0507A-CS-SP (sieve)
Lab Sample ID: 680-85785-67
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 10:00
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 83.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	6.1	2.2	0.65	mg/Kg			1	6010C
7440-39-3	Barium	52	1.1	0.33	mg/Kg			1	6010C
7440-43-9	Cadmium	0.50	0.55	0.11	mg/Kg	J		1	6010C
7440-47-3	Chromium	17	1.1	0.55	mg/Kg			1	6010C
7439-92-1	Lead	53	1.1	0.59	mg/Kg			1	6010C
7782-49-2	Selenium	1.4	2.8	1.1	mg/Kg	J		1	6010C
7440-22-4	Silver	1.1	1.1	0.11	mg/Kg	U		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0511AB-GS (sieve)
Lab Sample ID: 680-85785-68
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:24
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 67.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	46	2.9	0.86	mg/Kg			1	6010C
7440-39-3	Barium	190	1.5	0.44	mg/Kg			1	6010C
7440-43-9	Cadmium	2.8	0.73	0.15	mg/Kg			1	6010C
7440-47-3	Chromium	57	1.5	0.73	mg/Kg			1	6010C
7439-92-1	Lead	250	1.5	0.78	mg/Kg			1	6010C
7782-49-2	Selenium	2.5	3.7	1.5	mg/Kg	J		1	6010C
7440-22-4	Silver	0.26	1.5	0.14	mg/Kg	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0511S-CS (sieve)
Lab Sample ID: 680-85785-69
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 14:00
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 76.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	70	2.5	0.72	mg/Kg			1	6010C
7440-39-3	Barium	52	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	1.0	0.61	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	37	1.2	0.61	mg/Kg			1	6010C
7439-92-1	Lead	96	1.2	0.65	mg/Kg			1	6010C
7782-49-2	Selenium	1.8	3.1	1.2	mg/Kg	J		1	6010C
7440-22-4	Silver	1.2	1.2	0.12	mg/Kg	U		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0019C-CS
Lab Sample ID: 680-85785-8
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:12
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 78.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.060	0.038	0.015	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0241A-CS-SP
Lab Sample ID: 680-85785-10
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:39
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 79.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.94	0.037	0.015	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0507A-CS-SP
Lab Sample ID: 680-85785-15
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 10:00
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 81.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.079	0.035	0.014	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0511AB-GS
Lab Sample ID: 680-85785-29
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:24
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 55.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.18	0.054	0.022	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0511S-CS
Lab Sample ID: 680-85785-52
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 14:00
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 63.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.16	0.048	0.019	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0019C-CS (sieve)
Lab Sample ID: 680-85785-65
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:12
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 87.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.064	0.034	0.014	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0241A-CS-SP (sieve)
Lab Sample ID: 680-85785-66
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:39
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 76.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	1.3	0.038	0.015	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0507A-CS-SP (sieve)
Lab Sample ID: 680-85785-67
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 10:00
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 83.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.061	0.035	0.014	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0511AB-GS (sieve)
Lab Sample ID: 680-85785-68
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:24
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 67.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.16	0.042	0.017	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0511S-CS (sieve)
Lab Sample ID: 680-85785-69
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 14:00
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 76.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.15	0.038	0.015	mg/Kg			1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

ICV Source: P_ICV_wk_00211 Concentration Units: ug/L

CCV Source: P_CCV_wk_00104

Analyte	ICV 680-260674/4 12/20/2012 20:13				CCV 680-260674/33 12/20/2012 23:19				CCV 680-260674/45 12/21/2012 00:37			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1010		1000	101	514		500	103	520		500	104
Barium	1010		1000	101	5080		5000	102	5080		5000	102
Cadmium	1020		1000	102	510		500	102	511		500	102
Chromium	991		1000	99	5120		5000	102	5170		5000	103
Lead	1020		1000	102	513		500	103	511		500	102
Selenium	994		1000	99	5210		5000	104	5280		5000	106
Silver	991		1000	99	513		500	103	521		500	104

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.: 680-85785-5

SDG No.: 68085785-5

ICV Source: P_ICV_wk_00211 Concentration Units: ug/L

CCV Source: P_CCV_wk_00104

Analyte	CCV 680-260674/57 12/21/2012 01:54				CCV 680-260674/69 12/21/2012 03:12				CCV 680-260674/81 12/21/2012 04:29			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	523		500	105	526		500	105	529		500	106
Barium	5080		5000	102	5090		5000	102	5100		5000	102
Cadmium	509		500	102	509		500	102	510		500	102
Chromium	5210		5000	104	5230		5000	105	5250		5000	105
Lead	508		500	102	509		500	102	510		500	102
Selenium	5330		5000	107	5360		5000	107	5380		5000	108
Silver	526		500	105	528		500	106	527		500	105

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.: 680-85785-5

SDG No.: 68085785-5

ICV Source: P_ICV_wk_00211 Concentration Units: ug/L

CCV Source: P_CCV_wk_00104

Analyte	CCV 680-260674/93 12/21/2012 05:47											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	529		500	106								
Barium	5090		5000	102								
Cadmium	509		500	102								
Chromium	5280		5000	106								
Lead	507		500	101								
Selenium	5430		5000	109								
Silver	534		500	107								

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 Tampa Job No.: 680-85785-5

SDG No.: 68085785-5

ICV Source: MEHGICVW_00597 Concentration Units: ug/L

CCV Source: MEHGCALW_00597

Analyte	ICV 660-132590/7-A 12/17/2012 13:43				CCV 660-132590/9-A 12/17/2012 13:50				CCV 660-132590/9-A 12/17/2012 14:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	430		417	103	845		833	101	833		833	100

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 Tampa Job No.: 680-85785-5

SDG No.: 68085785-5

ICV Source: MEHGICVW_00597 Concentration Units: ug/L

CCV Source: MEHGCALW_00597

Analyte	CCV 660-132590/9-A 12/17/2012 14:32											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	837		833	100								

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.: 680-85785-5

SDG No.: 68085785-5

Method: 6010C Instrument ID: ICPE

Lab Sample ID: CRI 680-260674/6 Concentration Units: ug/L

CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	24.4		122	50-150
Barium	10.0	9.62	J	96	50-150
Cadmium	5.00	5.11		102	50-150
Chromium	10.0	9.98	J	100	50-150
Lead	10.0	9.29	J	93	50-150
Selenium	20.0	17.7	J	89	50-150
Silver	10.0	9.99	J	100	50-150

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 Tampa Job No.: 680-85785-5

SDG No.: 68085785-5

Method: 7471A Instrument ID: CETAC

Lab Sample ID: CRA 660-132590/8-A Concentration Units: ug/L

CRQL Check Standard Source: MEHGCALW_00597

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	33.3	30.5		92	50-150

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.: 680-85785-5

SDG No.: 68085785-5

Concentration Units: ug/L

Analyte	RL	ICBIS 680-260674/5 12/20/2012 20:19		CCB 680-260674/34 12/20/2012 23:26		CCB 680-260674/46 12/21/2012 00:43		CCB 680-260674/58 12/21/2012 02:01	
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	8.51	J	20	U	20	U	20	U
Barium	10	10	U	10	U	10	U	10	U
Cadmium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Chromium	10	10	U	10	U	10	U	10	U
Lead	10	10	U	10	U	10	U	10	U
Selenium	25	25	U	25	U	25	U	25	U
Silver	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.: 680-85785-5

SDG No.: 68085785-5

Concentration Units: ug/L

Analyte	RL	CCB 680-260674/70 12/21/2012 03:18		CCB 680-260674/82 12/21/2012 04:36		CCB 680-260674/94 12/21/2012 05:53			
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	20	U	20	U	20	U		
Barium	10	10	U	10	U	10	U		
Cadmium	5.0	5.0	U	5.0	U	5.0	U		
Chromium	10	10	U	10	U	10	U		
Lead	10	10	U	10	U	10	U		
Selenium	25	25	U	25	U	25	U		
Silver	10	10	U	10	U	10	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85785-5

SDG No.: 68085785-5

Concentration Units: ug/L

Analyte	RL	ICB 660-132602/8 12/17/2012 13:45		CCB 660-132602/12 12/17/2012 13:52		CCB 660-132602/24 12/17/2012 14:12		CCB 660-132602/36 12/17/2012 14:33	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.030	0.030	U	0.030	U	0.030	U	0.030	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Concentration Units: mg/Kg Lab Sample ID: MB 680-260035/1-A

Instrument Code: ICPE Batch No.: 260674

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	2.0	U		6010C
7440-39-3	Barium	0.98	U		6010C
7440-43-9	Cadmium	0.49	U		6010C
7440-47-3	Chromium	0.98	U		6010C
7439-92-1	Lead	0.98	U		6010C
7782-49-2	Selenium	2.5	U		6010C
7440-22-4	Silver	0.98	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Concentration Units: mg/Kg Lab Sample ID: MB 680-260226/1-A

Instrument Code: ICPE Batch No.: 260674

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	2.0	U		6010C
7440-39-3	Barium	0.98	U		6010C
7440-43-9	Cadmium	0.49	U		6010C
7440-47-3	Chromium	0.98	U		6010C
7439-92-1	Lead	0.98	U		6010C
7782-49-2	Selenium	2.5	U		6010C
7440-22-4	Silver	0.98	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85785-5

SDG No.: 68085785-5

Concentration Units: mg/Kg Lab Sample ID: MB 660-132590/10-A

Instrument Code: CETAC Batch No.: 132602

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.030	U		7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: ICSA 680-260674/7 Instrument ID: ICPE

Lab File ID: E12202012C.csv ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-1.72**	
Barium		**7.71**	
Cadmium		**2.27**	
Chromium		**1.04**	
Lead		**6.75**	
Selenium		**1.41**	
Silver		**-0.0117**	
Aluminum	*500000*	*560813*	*112*
Antimony		*1.33*	
Beryllium		*-0.117*	
Boron		*-46.1*	
Calcium	*500000*	*502590*	*101*
Cobalt		*-4.07*	
Copper		*3.07*	
Iron	*200000*	*193183*	*97*
Magnesium	*500000*	*533095*	*107*
Manganese		*-6.34*	
Molybdenum		*0.316*	
Nickel		*-7.26*	
Potassium		*1.49*	
Sodium		*197*	
Strontium		*-5.73*	
Thallium		*8.88*	
Tin		*-2.71*	
Titanium		*2.18*	
Vanadium		*0.501*	
Zinc		*-5.64*	

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.: 680-85785-5

SDG No.: 68085785-5

Lab Sample ID: ICSAB 680-260674/8 Instrument ID: ICPE

Lab File ID: E12202012C.csv ICS Source: P_ICSAB_wk_00043

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**100**	**117**	**117**
Barium	**500**	**514**	**103**
Cadmium	**1000**	**975**	**98**
Chromium	**500**	**492**	**98**
Lead	**50.0**	**51.0**	**102**
Selenium	**50.0**	**55.2**	**110**
Silver	**200**	**220**	**110**
Aluminum	*500000*	*557691*	*112*
Antimony	*600*	*662*	*110*
Beryllium	*500*	*514*	*103*
Boron		*-46.8*	
Calcium	*500000*	*498105*	*100*
Cobalt	*500*	*477*	*95*
Copper	*500*	*571*	*114*
Iron	*200000*	*192468*	*96*
Magnesium	*500000*	*530608*	*106*
Manganese	*500*	*508*	*102*
Molybdenum	*1000*	*1064*	*106*
Nickel	*1000*	*943*	*94*
Potassium		*1.61*	
Sodium		*178*	
Strontium		*-2.91*	
Thallium	*100*	*104*	*104*
Tin	*1000*	*1017*	*102*
Titanium		*2.32*	
Vanadium	*500*	*508*	*102*
Zinc	*1000*	*932*	*93*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: HP0019C-CS MS
Lab ID: 680-85785-8 MS
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 78.9

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	50.8		36		11.5	128	75-125	F	6010C
Barium	159		150		11.5	59	75-125	4	6010C
Cadmium	6.86		1.5		5.76	94	75-125		6010C
Chromium	103		92		11.5	95	75-125	4	6010C
Lead	83.6		89		5.76	-97	75-125	4	6010C
Selenium	14.0		3.2		11.5	94	75-125		6010C
Silver	5.48		1.2	U	5.76	95	75-125		6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: CV0511AB-GS MS
Lab ID: 680-85785-29 MS
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 55.3

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	73.3		55		18.1	99	75-125		6010C
Barium	235		230		18.1	20	75-125	4	6010C
Cadmium	12.0		3.5		9.05	94	75-125		6010C
Chromium	90.2		73		18.1	94	75-125	4	6010C
Lead	317		320		9.05	-17	75-125	4	6010C
Selenium	18.9		3.0	J	18.1	88	75-125		6010C
Silver	9.82		0.54	J	9.05	103	75-125		6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: CV0511S-CS MS
Lab ID: 680-85785-52 MS
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 63.0

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	96.0		79		14.6	115	75-125	4	6010C
Barium	65.3		52		14.6	92	75-125		6010C
Cadmium	8.49		1.3		7.28	99	75-125		6010C
Chromium	46.7		35		14.6	78	75-125		6010C
Lead	111		110		7.28	88	75-125	4	6010C
Selenium	15.8		2.4	J	14.6	92	75-125		6010C
Silver	7.39		1.5	U	7.28	102	75-125		6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-85731-B-21-C MS

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Matrix: Solid Concentration Units: mg/Kg

% Solids: 73.6

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	29.2		22		12.9	57	75-125	F	6010C
Barium	163		200		12.9	-268	75-125	4	6010C
Cadmium	8.87		7.2		6.47	25	75-125	F	6010C
Chromium	52.9		56		12.9	-21	75-125	4	6010C
Lead	146		150		6.47	-9	75-125	4	6010C
Selenium	15.4		1.5	J	12.9	108	75-125		6010C
Silver	6.92		1.3	U	6.47	107	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: HP0019C-CS MSD
Lab ID: 680-85785-8 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 78.9

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	56.8		11.6	179	75-125	11	20	F	6010C
Barium	161		11.6	69	75-125	1	20	4	6010C
Cadmium	7.58		5.82	105	75-125	10	20		6010C
Chromium	146		11.6	464	75-125	35	20	4 F	6010C
Lead	124		5.82	605	75-125	39	20	4 F	6010C
Selenium	15.7		11.6	107	75-125	11	20		6010C
Silver	5.79		5.82	100	75-125	6	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: CV0511AB-GS MSD
Lab ID: 680-85785-29 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 55.3

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	76.8		18.1	118	75-125	5	20		6010C
Barium	254		18.1	123	75-125	8	20	4	6010C
Cadmium	13.0		9.05	105	75-125	8	20		6010C
Chromium	96.1		18.1	126	75-125	6	20	4	6010C
Lead	322		9.05	36	75-125	2	20	4	6010C
Selenium	24.1		18.1	117	75-125	24	20	F	6010C
Silver	10.7		9.05	113	75-125	9	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: CV0511S-CS MSD
Lab ID: 680-85785-52 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 63.0

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	97.4		15.4	118	75-125	1	20	4	6010C
Barium	72.1		15.4	131	75-125	10	20	F	6010C
Cadmium	9.08		7.70	102	75-125	7	20		6010C
Chromium	50.9		15.4	101	75-125	9	20		6010C
Lead	115		7.70	135	75-125	4	20	4	6010C
Selenium	16.6		15.4	92	75-125	5	20		6010C
Silver	7.86		7.70	102	75-125	6	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: 680-85731-B-21-D MSD

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Matrix: Solid Concentration Units: mg/Kg

% Solids: 73.4

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	36.2		12.9	112	75-125	21	20	F	6010C
Barium	236		12.9	298	75-125	37	20	4 F	6010C
Cadmium	9.22		6.43	31	75-125	4	20	F	6010C
Chromium	68.4		12.9	99	75-125	26	20	4 F	6010C
Lead	150		6.43	47	75-125	2	20	4	6010C
Selenium	16.4		12.9	115	75-125	6	20		6010C
Silver	7.07		6.43	110	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: HP0019C-CS PDS
Lab ID: 680-85785-8 PDS
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	295		36		249	104	75-125		6010C
Barium	385		150		249	93	75-125		6010C
Cadmium	7.11		1.5		6.22	91	75-125		6010C
Chromium	115		92		24.9	92	75-125		6010C
Lead	144		89		62.2	87	75-125		6010C
Selenium	255		3.2		249	101	75-125		6010C
Silver	5.79		1.2	U	6.22	93	75-125		6010C

SSR = Spiked Sample Result

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

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-85731-B-21-B PDS

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	300		22		251	111	75-125		6010C
Barium	442		200		251	97	75-125		6010C
Cadmium	13.2		7.2		6.28	95	75-125		6010C
Chromium	80.1		56		25.1	98	75-125		6010C
Lead	202		150		62.8	88	75-125		6010C
Selenium	275		1.5	J	251	109	75-125		6010C
Silver	6.78		1.3	U	6.28	108	75-125		6010C

SSR = Spiked Sample Result

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

FORM VB - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: HP0019C-CS MS
Lab ID: 680-85785-8 MS
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 78.9

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.274		0.060		0.205	105	80-120		7471A

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: CV0511AB-GS MS
Lab ID: 680-85785-29 MS
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 55.3

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.470		0.18		0.292	98	80-120		7471A

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: CV0511S-CS MS
Lab ID: 680-85785-52 MS
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 63.0

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.401		0.16		0.233	102	80-120		7471A

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: HP0019C-CS MSD
Lab ID: 680-85785-8 MSD
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 78.9

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.278		0.219	100	80-120	1	20		7471A

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: CV0511AB-GS MSD
Lab ID: 680-85785-29 MSD
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 55.3

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.467		0.292	97	80-120	1	20		7471A

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: CV0511S-CS MSD
Lab ID: 680-85785-52 MSD
Lab Name: TestAmerica Tampa
Job No.: 680-85785-5
SDG No.: 68085785-5
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 63.0

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.430		0.256	105	80-120	7	20		7471A

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-260226/2-A

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

Sample Matrix: Solid LCS Source: MS lcs1cpi_00030

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	9.43	10.2		108	75	125		6010C
Barium	9.43	9.48		100	75	125		6010C
Cadmium	4.72	4.91		104	75	125		6010C
Chromium	9.43	10.1		107	75	125		6010C
Lead	4.72	4.74		100	75	125		6010C
Selenium	9.43	9.99		106	75	125		6010C
Silver	4.72	4.90		104	75	125		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 680-260035/2-A

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

Sample Matrix: Solid LCS Source: MS lcs1cpi_00030

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	9.80	11.3		115	75	125		6010C
Barium	9.80	10.4		106	75	125		6010C
Cadmium	4.90	5.33		109	75	125		6010C
Chromium	9.80	11.2		114	75	125		6010C
Lead	4.90	5.21		106	75	125		6010C
Selenium	9.80	10.9		111	75	125		6010C
Silver	4.90	5.38		110	75	125		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 660-132590/11-A

Lab Name: TestAmerica Tampa Job No.: 680-85785-5

Sample Matrix: Solid LCS Source: MEHGICVW_00597

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.167	0.163		98	80	120		7471A

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: 680-85785-8

SDG No: 68085785-5

Lab Name: TestAmerica Savannah Job No: 680-85785-5

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	36		38.6		NC		6010C
Barium	150		161		5.6		6010C
Cadmium	1.5		1.07	J	NC		6010C
Chromium	92		96.5		5.0		6010C
Lead	89		98.6		11	V	6010C
Selenium	3.2		16	U	NC		6010C
Silver	1.2	U	6.2	U	NC		6010C

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

FORM VIII-IN

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

Lab ID: 680-85731-B-21-B SD

SDG No: 68085785-5

Lab Name: TestAmerica Savannah Job No: 680-85785-5

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	22		22.5		NC		6010C
Barium	200		201		1.6		6010C
Cadmium	7.2		7.38		2.0		6010C
Chromium	56		57.3		3.1		6010C
Lead	150		157		6.8		6010C
Selenium	1.5	J	16	U	NC		6010C
Silver	1.3	U	6.3	U	NC		6010C

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

FORM VIII-IN

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

Lab ID: 680-85785-8

SDG No: 68085785-5

Lab Name: TestAmerica Tampa Job No: 680-85785-5

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.060		0.19	U	NC		7471A

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: 680-85785-5

SDG Number: 68085785-5

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)
Arsenic		2	0.59
Barium		1	0.3
Cadmium		0.5	0.1
Chromium		1	0.5
Lead		1	0.53
Selenium		2.5	1
Silver		1	0.096

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-85785-5

SDG Number: 68085785-5

Matrix: Solid Instrument ID: ICPE

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

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		20	5.9
Barium		10	3
Cadmium		5	1
Chromium		10	5
Lead		10	5.3
Selenium		25	10
Silver		10	0.96

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Tampa Job Number: 680-85785-5

SDG Number: 68085785-5

Matrix: Solid Instrument ID: CETAC

Method: 7471A MDL Date: 08/08/2012 16:26

Prep Method: 7471A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.03	0.012

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Tampa Job Number: 680-85785-5

SDG Number: 68085785-5

Matrix: Solid Instrument ID: CETAC

Method: 7471A XMDL Date: 02/28/2006 14:33

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.03	0.012

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-85785-5

SDG No.: 68085785-5

ICP-AES Instrument ID: ICPE Date: 03/26/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	308.215														
Antimony	206.834		0.000012								0.003985		0.000013		
Arsenic	188.980										-0.000784				
Barium	389.178							-0.000007					0.000040		0.000152
Beryllium	313.042				0.000002										
Boron	249.678												-0.000069		
Cadmium	226.502		0.000004					0.000002					0.000084		
Calcium	370.602									0.004000			-0.085534		
Chromium	267.716								-0.000136				0.000007		
Cobalt	228.615												0.000005		
Copper	324.754														
Iron	271.441							0.000014		0.066798	0.001044				
Lead	220.353		-0.000025							-0.000220			0.000018		
Magnesium	279.078		-0.000063										0.000046		
Manganese	257.610												0.000014		0.000021
Molybdenum	202.032		0.000004										-0.000007		
Nickel	231.604												0.000013		0.000012
Potassium	766.491														
Selenium	196.026												0.000003		
Silver	328.068												-0.000004		
Sodium	330.237												-0.004899		-0.001455
Strontium	216.596							0.000006				-0.000064	0.000185		
Thallium	190.794									0.004268	0.000362		-0.000139		
Tin	189.925												0.000005		
Titanium	334.941									-0.000063	0.000177				
Vanadium	292.401							-0.000005			-0.001980		0.000015		
Zinc	206.200										-0.002886		0.000003		0.000029

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-85785-5

SDG No.: 68085785-5

ICP-AES Instrument ID: ICPE Date: 03/26/2012

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	Zn	
Aluminum	308.215		0.004460										0.020900		
Antimony	206.834		-0.006099						0.000109						
Arsenic	188.980		-0.000415												
Barium	389.178												0.000246		
Beryllium	313.042		-0.000032								0.000017		0.000047		
Boron	249.678														
Cadmium	226.502														
Calcium	370.602	0.010121									0.009919		0.006057		
Chromium	267.716												-0.000148		
Cobalt	228.615		-0.001880						-0.000023		0.001742				
Copper	324.754		0.000357								0.000223		-0.000137		
Iron	271.441		0.001825										0.007233		
Lead	220.353	0.000117	-0.001014								-0.000288		-0.000102		
Magnesium	279.078	-0.005350	0.005872										0.000286		
Manganese	257.610					0.000003									
Molybdenum	202.032												-0.000113		
Nickel	231.604						-0.000067					0.000241			
Potassium	766.491														
Selenium	196.026														
Silver	328.068									-0.000157			0.000028		
Sodium	330.237										-0.045200			-0.318877	
Strontium	216.596		-0.001012		-0.004434										
Thallium	190.794	0.001070	-0.002214								0.000698		0.002684		
Tin	189.925														
Titanium	334.941		-0.000052												
Vanadium	292.401	-0.000070	-0.005998								0.000502				
Zinc	206.200														

X-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-260035/1-A	12/17/2012 12:17	260035	1.02		100
LCS 680-260035/2-A	12/17/2012 12:17	260035	1.02		100
680-85731-B-21-C MS	12/17/2012 12:17	260035	1.05		100
680-85731-B-21-D MSD	12/17/2012 12:17	260035	1.06		100
680-85785-65	12/17/2012 12:17	260035	1.03		100
680-85785-66	12/17/2012 12:17	260035	1.07		100
680-85785-67	12/17/2012 12:17	260035	1.08		100
680-85785-68	12/17/2012 12:17	260035	1.01		100
680-85785-69	12/17/2012 12:17	260035	1.07		100

FORM XII-IN

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PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-260226/1-A	12/18/2012 15:23	260226	1.02		100
LCS 680-260226/2-A	12/18/2012 15:23	260226	1.06		100
680-85785-8	12/18/2012 15:23	260226	1.02		100
680-85785-8 MS	12/18/2012 15:23	260226	1.10		100
680-85785-8 MSD	12/18/2012 15:23	260226	1.09		100
680-85785-10	12/18/2012 15:23	260226	1.13		100
680-85785-15	12/18/2012 15:23	260226	1.04		100
680-85785-29	12/18/2012 15:23	260226	1.05		100
680-85785-29 MS	12/18/2012 15:23	260226	1.00		100
680-85785-29 MSD	12/18/2012 15:23	260226	1.00		100
680-85785-52	12/18/2012 15:23	260226	1.07		100
680-85785-52 MS	12/18/2012 15:23	260226	1.09		100
680-85785-52 MSD	12/18/2012 15:23	260226	1.03		100

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PREPARATION LOG
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85785-5

SDG No.: 68085785-5

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 660-132590/10-A	12/17/2012 12:18	132590	0.30		50
LCS 660-132590/11-A	12/17/2012 12:18	132590	0.30		50
680-85785-8	12/17/2012 12:18	132590	0.30		50
680-85785-8 MS	12/17/2012 12:18	132590	0.31		50
680-85785-8 MSD	12/17/2012 12:18	132590	0.29		50
680-85785-10	12/17/2012 12:18	132590	0.31		50
680-85785-15	12/17/2012 12:18	132590	0.32		50
680-85785-65	12/17/2012 12:18	132590	0.30		50
680-85785-66	12/17/2012 12:18	132590	0.31		50
680-85785-67	12/17/2012 12:18	132590	0.31		50
680-85785-68	12/17/2012 12:18	132590	0.32		50
680-85785-69	12/17/2012 12:18	132590	0.31		50
680-85785-29	12/17/2012 12:18	132590	0.30		50
680-85785-29 MS	12/17/2012 12:18	132590	0.31		50
680-85785-29 MSD	12/17/2012 12:18	132590	0.31		50
680-85785-52	12/17/2012 12:18	132590	0.30		50
680-85785-52 MS	12/17/2012 12:18	132590	0.34		50
680-85785-52 MSD	12/17/2012 12:18	132590	0.31		50

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Instrument ID: ICPE Method: 6010C

Start Date: 12/20/2012 19:53 End Date: 12/21/2012 11:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			19:53																				
ZZZZZZ			20:00																				
ZZZZZZ			20:06																				
ICV 680-260674/4	1		20:13	X	X	X	X	X	X	X													
ICBIS 680-260674/5	1		20:19	X	X	X	X	X	X	X													
CRI 680-260674/6	1		20:25	X	X	X	X	X	X	X													
ICSA 680-260674/7	1		20:32	X	X	X	X	X	X	X													
ICSAB 680-260674/8	1		20:38	X	X	X	X	X	X	X													
CCV 680-260674/9			20:45																				
CCB 680-260674/10			20:51																				
ZZZZZZ			20:58																				
ZZZZZZ			21:04																				
ZZZZZZ			21:11																				
ZZZZZZ			21:17																				
ZZZZZZ			21:23																				
ZZZZZZ			21:30																				
ZZZZZZ			21:36																				
ZZZZZZ			21:43																				
ZZZZZZ			21:49																				
ZZZZZZ			21:56																				
CCV 680-260674/21			22:02																				
CCB 680-260674/22			22:09																				
ZZZZZZ			22:15																				
ZZZZZZ			22:21																				
ZZZZZZ			22:28																				
ZZZZZZ			22:34																				
ZZZZZZ			22:41																				
ZZZZZZ			22:47																				
ZZZZZZ			22:54																				
ZZZZZZ			23:00																				
ZZZZZZ			23:07																				
ZZZZZZ			23:13																				
CCV 680-260674/33	1		23:19	X	X	X	X	X	X	X													
CCB 680-260674/34	1		23:26	X	X	X	X	X	X	X													
ZZZZZZ			23:32																				
ZZZZZZ			23:39																				
ZZZZZZ			23:45																				
ZZZZZZ			23:52																				
ZZZZZZ			23:58																				
ZZZZZZ			00:05																				
ZZZZZZ			00:11																				
ZZZZZZ			00:17																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Instrument ID: ICPE Method: 6010C

Start Date: 12/20/2012 19:53 End Date: 12/21/2012 11:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
MB 680-260226/1-A	1	T	00:24	X	X	X	X	X	X	X													
LCS 680-260226/2-A	1	T	00:30	X	X	X	X	X	X	X													
CCV 680-260674/45	1		00:37	X	X	X	X	X	X	X													
CCB 680-260674/46	1		00:43	X	X	X	X	X	X	X													
680-85785-8	1	T	00:50	X	X	X	X	X	X	X													
680-85785-8 SD	5	T	00:56	X	X	X	X	X	X	X													
680-85785-8 PDS	1	T	01:03	X	X	X	X	X	X	X													
680-85785-8 MS	1	T	01:09	X	X	X	X	X	X	X													
680-85785-8 MSD	1	T	01:16	X	X	X	X	X	X	X													
680-85785-10	1	T	01:22	X	X	X	X	X	X	X													
680-85785-15	1	T	01:28	X	X	X	X	X	X	X													
680-85785-29	1	T	01:35	X	X	X	X	X	X	X													
680-85785-29 MS	1	T	01:41	X	X	X	X	X	X	X													
680-85785-29 MSD	1	T	01:48	X	X	X	X	X	X	X													
CCV 680-260674/57	1		01:54	X	X	X	X	X	X	X													
CCB 680-260674/58	1		02:01	X	X	X	X	X	X	X													
680-85785-52	1	T	02:07	X	X	X	X	X	X	X													
680-85785-52 MS	1	T	02:14	X	X	X	X	X	X	X													
680-85785-52 MSD	1	T	02:20	X	X	X	X	X	X	X													
MB 680-260035/1-A	1	T	02:27	X	X	X	X	X	X	X													
LCS 680-260035/2-A	1	T	02:33	X	X	X	X	X	X	X													
ZZZZZZ			02:39																				
ZZZZZZ			02:46																				
ZZZZZZ			02:52																				
ZZZZZZ			02:59																				
ZZZZZZ			03:05																				
CCV 680-260674/69	1		03:12	X	X	X	X	X	X	X													
CCB 680-260674/70	1		03:18	X	X	X	X	X	X	X													
ZZZZZZ			03:25																				
ZZZZZZ			03:31																				
ZZZZZZ			03:38																				
ZZZZZZ			03:44																				
ZZZZZZ			03:51																				
ZZZZZZ			03:57																				
680-85731-B-21-B SD	5	T	04:03	X	X	X	X	X	X	X													
680-85731-B-21-B PDS	1	T	04:10	X	X	X	X	X	X	X													
680-85731-B-21-C MS	1	T	04:16	X	X	X	X	X	X	X													
680-85731-B-21-D MSD	1	T	04:23	X	X	X	X	X	X	X													
CCV 680-260674/81	1		04:29	X	X	X	X	X	X	X													
CCB 680-260674/82	1		04:36	X	X	X	X	X	X	X													
680-85785-65	1	T	04:42	X	X	X	X	X	X	X													
680-85785-66	1	T	04:49	X	X	X	X	X	X	X													

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Instrument ID: ICPE Method: 6010C

Start Date: 12/20/2012 19:53 End Date: 12/21/2012 11:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
680-85785-67	1	T	04:55	X	X	X	X	X	X	X													
680-85785-68	1	T	05:02	X	X	X	X	X	X	X													
680-85785-69	1	T	05:08	X	X	X	X	X	X	X													
ZZZZZZ			05:15																				
ZZZZZZ			05:21																				
ZZZZZZ			05:27																				
ZZZZZZ			05:34																				
ZZZZZZ			05:40																				
CCV 680-260674/93	1		05:47	X	X	X	X	X	X	X													
CCB 680-260674/94	1		05:53	X	X	X	X	X	X	X													
ZZZZZZ			06:00																				
ZZZZZZ			06:06																				
ZZZZZZ			06:13																				
ZZZZZZ			06:19																				
ZZZZZZ			06:26																				
ZZZZZZ			06:32																				
ZZZZZZ			06:39																				
ZZZZZZ			06:45																				
ZZZZZZ			06:52																				
ZZZZZZ			06:58																				
CCV 680-260674/105			07:04																				
CCB 680-260674/106			07:11																				
ZZZZZZ			07:17																				
ZZZZZZ			07:24																				
ZZZZZZ			07:30																				
ZZZZZZ			07:37																				
ZZZZZZ			07:43																				
ZZZZZZ			07:50																				
ZZZZZZ			07:56																				
ZZZZZZ			08:03																				
ZZZZZZ			08:09																				
ZZZZZZ			08:16																				
CCV 680-260674/117			08:22																				
CCB 680-260674/118			08:29																				
ZZZZZZ			08:35																				
ZZZZZZ			08:42																				
ZZZZZZ			08:48																				
ZZZZZZ			08:55																				
ZZZZZZ			09:01																				
ZZZZZZ			09:08																				
ZZZZZZ			09:14																				
ZZZZZZ			09:20																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Instrument ID: ICPE Method: 6010C

Start Date: 12/20/2012 19:53 End Date: 12/21/2012 11:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			09:27																				
ZZZZZZ			09:33																				
CCV 680-260674/129			09:40																				
CCB 680-260674/130			09:48																				
ZZZZZZ			09:55																				
CCV 680-260674/132			10:01																				
CCB 680-260674/133			10:08																				
ZZZZZZ			10:14																				
ZZZZZZ			10:21																				
ZZZZZZ			10:27																				
ZZZZZZ			10:34																				
ZZZZZZ			10:40																				
CCV 680-260674/139			11:52																				
CCB 680-260674/140			11:59																				

Prep Types

T = Total/NA

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Tampa Job No.: 680-85785-5

SDG No.: 68085785-5

Instrument ID: CETAC Method: 7471A

Start Date: 12/17/2012 13:33 End Date: 12/17/2012 14:45

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			13:33																				
ZZZZZZ			13:35																				
ZZZZZZ			13:37																				
ZZZZZZ			13:38																				
ZZZZZZ			13:40																				
ZZZZZZ			13:42																				
ICV 660-132590/7-A	1		13:43	X																			
ICB 660-132602/8	1		13:45	X																			
CRA 660-132590/8-A	1		13:47	X																			
ZZZZZZ			13:49																				
CCV 660-132590/9-A	1		13:50	X																			
CCB 660-132602/12	1		13:52	X																			
MB 660-132590/10-A	1	T	13:54	X																			
LCS 660-132590/11-A	1	T	13:55	X																			
680-85785-8 SD	5	T	13:57	X																			
680-85785-8	1	T	13:59	X																			
680-85785-8 MS	1	T	14:00	X																			
680-85785-8 MSD	1	T	14:02	X																			
680-85785-10	1	T	14:04	X																			
680-85785-15	1	T	14:05	X																			
680-85785-65	1	T	14:07	X																			
680-85785-66	1	T	14:09	X																			
CCV 660-132590/9-A	1		14:11	X																			
CCB 660-132602/24	1		14:12	X																			
680-85785-67	1	T	14:14	X																			
680-85785-68	1	T	14:16	X																			
680-85785-69	1	T	14:17	X																			
680-85785-29	1	T	14:19	X																			
680-85785-29 MS	1	T	14:21	X																			
680-85785-29 MSD	1	T	14:23	X																			
680-85785-52	1	T	14:25	X																			
680-85785-52 MS	1	T	14:26	X																			
680-85785-52 MSD	1	T	14:28	X																			
ZZZZZZ			14:30																				
CCV 660-132590/9-A	1		14:32	X																			
CCB 660-132602/36	1		14:33	X																			
ZZZZZZ			14:35																				
ZZZZZZ			14:39																				
ZZZZZZ			14:45																				

Prep Types
T = Total/NA

Blank (Blk) **12/20/2012, 7:53:49 PM** **Rack S, Tube 1**

Label	Replicates		Concentration
Ag 328.068	-0.2005	0.1734	0.0271
Al 308.215	-0.5740	-0.5095	1.0836
As 188.980	2.4657	-3.4538	0.9881
B 249.678	0.3652	0.0693	-0.4346
Ba 389.178	0.1499	0.0650	-0.2149
Be 313.042	-0.0014	0.0049	-0.0035
Ca 370.602	-1.533	-0.2810	1.814
Cd 226.502	0.0332	-0.0480	0.0148
Co 228.615	0.2370	-0.0635	-0.1735
Cr 267.716	0.0483	0.0254	-0.0737
Cu 324.754	0.1501	-0.0248	-0.1252
Fe 271.441	1.5501	-1.6891	0.1390
K 766.491	-0.5851	0.0572	0.5279
Mg 279.078	-1.2007	2.4523	-1.2515
Mn 257.610	-0.0889	0.0805	0.0084
Mo 202.032	-0.1342	0.0036	0.1306
Na 330.237	55.2333	33.7674	-89.0008
Ni 231.604	-0.3863	0.0254	0.3609
Pb 220.353	0.2622	-1.9222	1.6600
Sb 206.834	0.6868	0.9180	-1.6048
Se 196.026	-6.2875	-0.5430	6.8306
Sn 189.925	0.7636	1.3615	-2.1250
Sr 216.596	-0.2360	0.1487	0.0873
Ti 334.941	-0.0813	-0.0468	0.1281
Tl 190.794	1.6348	0.2265	-1.8612
V 292.401	-0.0803	-0.0647	0.1449
Zn 206.200	-0.4411	-0.2468	0.6879

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	7.403	89.8	-8.2453
Al 308.215	0.0000	ppb	2.958	13.4	22.0240
As 188.980	0.0000	ppb	1.564	1102.3	-0.1419
B 249.678	0.0000	ppb	4.262	10.1	42.1436
Ba 389.178	0.0000	ppb	2.387	24.7	-9.6547
Be 313.042	0.0000	ppb	4.648	6.7	-69.0439
Ca 370.602	0.0000	ppb	4.222	27.3	15.46
Cd 226.502	0.0000	ppb	1.283	101.4	1.2651
Co 228.615	0.0000	ppb	1.853	29.4	-6.3026
Cr 267.716	0.0000	ppb	1.984	15.5	12.7633
Cu 324.754	0.0000	ppb	7.061	3.5	202.043
Fe 271.441	0.0000	ppb	1.660	10.5	-15.8069
K 766.491	0.0000	ppb	17.262	9.5	181.855
Mg 279.078	0.0000	ppb	3.498	43.3	8.0716
Mn 257.610	0.0000	ppb	4.209	24.2	17.4198
Mo 202.032	0.0000	ppb	0.708	21.0	3.3765
Na 330.237	0.0000	ppb	2.917	142.2	-2.0512
Ni 231.604	0.0000	ppb	0.818	58.9	-1.3873
Pb 220.353	0.0000	ppb	2.109	103.5	2.0375
Sb 206.834	0.0000	ppb	1.558	242.7	0.6416
Se 196.026	0.0000	ppb	2.069	109.3	1.8927
Sn 189.925	0.0000	ppb	1.138	127.1	-0.8953
Sr 216.596	0.0000	ppb	1.661	123.2	-1.3478
Ti 334.941	0.0000	ppb	9.466	55.4	-17.0944
Tl 190.794	0.0000	ppb	0.806	53.2	-1.5143
V 292.401	0.0000	ppb	2.208	307.7	0.7175
Zn 206.200	0.0000	ppb	0.499	48.9	1.0207

HIGH STD (Std) **12/20/2012, 8:00:15 PM** **Rack S, Tube 2**

Label	Replicates Concentration		
Ag 328.068	994.935	1004.37	1000.70
Al 308.215	10102.0	9997.92	9900.12
As 188.980	1001.29	1000.48	998.232
B 249.678	4973.52	5007.03	5019.45
Ba 389.178	10009.1	10012.2	9978.73
Be 313.042	1000.35	1002.24	997.407
Ca 370.602	10038	9995	9967
Cd 226.502	999.781	1000.61	999.613
Co 228.615	1002.36	1000.96	996.673
Cr 267.716	9975.57	10023.5	10000.9
Cu 324.754	9993.66	9978.81	10027.5
Fe 271.441	10014.3	10021.3	9964.42
K 766.491	20067.0	19984.5	19948.5
Mg 279.078	9980.14	10001.5	10018.4
Mn 257.610	9899.06	10015.6	10085.4
Mo 202.032	998.810	1000.87	1000.32
Na 330.237	15069.1	14987.2	14943.7
Ni 231.604	4992.15	4996.73	5011.12
Pb 220.353	1005.85	999.817	994.330
Sb 206.834	999.276	1000.11	1000.61
Se 196.026	9974.51	9983.38	10042.1
Sn 189.925	9998.45	10006.5	9995.05
Sr 216.596	4979.26	5010.20	5010.54
Ti 334.941	988.314	1003.77	1007.92
Tl 190.794	10087.9	10004.1	9908.00
V 292.401	10017.8	10012.3	9969.92
Zn 206.200	4996.12	4997.03	5006.85

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	186.830	0.5	39277.6
Al 308.215	10000.0	ppb	318.015	1.0	31528.3
As 188.980	1000.00	ppb	0.804	0.2	507.510
B 249.678	5000.00	ppb	250.361	0.5	52737.4
Ba 389.178	10000.0	ppb	231.140	0.2	125032
Be 313.042	1000.00	ppb	2579.000	0.2	1057992
Ca 370.602	10000	ppb	89.667	0.4	24978
Cd 226.502	1000.00	ppb	16.034	0.1	30164.7
Co 228.615	1000.00	ppb	25.861	0.3	8715.40
Cr 267.716	10000.0	ppb	734.406	0.2	306056
Cu 324.754	10000.0	ppb	1265.678	0.2	507071
Fe 271.441	10000.0	ppb	31.707	0.3	10207.9
K 766.491	20000.0	ppb	1877.642	0.3	618134
Mg 279.078	10000.0	ppb	31.590	0.2	16478.7
Mn 257.610	10000.0	ppb	4659.838	0.9	495082
Mo 202.032	1000.00	ppb	5.702	0.1	5345.60
Na 330.237	15000.0	ppb	2.386	0.4	560.249
Ni 231.604	5000.00	ppb	21.624	0.2	10923.2
Pb 220.353	1000.00	ppb	6.734	0.6	1170.26
Sb 206.834	1000.00	ppb	0.754	0.1	1117.47
Se 196.026	10000.0	ppb	11.557	0.4	3148.07
Sn 189.925	10000.0	ppb	3.588	0.1	6100.58
Sr 216.596	5000.00	ppb	144.339	0.4	40174.0
Ti 334.941	1000.00	ppb	871.051	1.0	84296.9
Tl 190.794	10000.0	ppb	41.234	0.9	4578.83
V 292.401	10000.0	ppb	459.959	0.3	175551
Zn 206.200	5000.00	ppb	4.917	0.1	4132.23

Ag 328.068 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-8.2453	0.0000	0.0000	-	-
HIGH STD		39277.6	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 39.3 x + -8.2

Al 308.215 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		22.0240	0.0000	0.0000	-	-
HIGH STD		31528.3	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 3.2 x + 22.0

As 188.980 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.1419	0.0000	0.0000	-	-
HIGH STD		507.510	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 0.5 x + -0.1

B 249.678 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		42.1436	0.0000	0.0000	-	-
HIGH STD		52737.4	5000.00	5000.00	-0.0005	0.0

Curve Type: Linear Equation: y = 10.5 x + 42.1

Ba 389.178 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-9.6547	0.0000	0.0000	-	-
HIGH STD		125032	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 12.5 x + -9.7

Be 313.042 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-69.0439	0.0000	0.0000	-	-
HIGH STD		1057992	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1058.1 x + -69.0

Ca 370.602 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		15.46	0.0000	0.0000	-	-
HIGH STD		24978	10000	10000	0.0010	0.0

Curve Type: Linear Equation: y = 2.5 x + 15.5

Cd 226.502 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.2651	0.0000	0.0000	-	-
HIGH STD		30164.7	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 30.2 x + 1.3

Co 228.615 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-6.3026	0.0000	0.0000	-	-
HIGH STD		8715.40	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 8.7 x + -6.3

Cr 267.716 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		12.7633	0.0000	0.0000	-	-
HIGH STD		306056	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 30.6 x + 12.8

Cu 324.754 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		202.043	0.0000	0.0000	-	-
HIGH STD		507071	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 50.7 x + 202.0

Fe 271.441 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-15.8069	0.0000	0.0000	-	-
HIGH STD		10207.9	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 1.0 x + -15.8

K 766.491 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		181.855	0.0000	0.0000	-	-
HIGH STD		618134	20000.0	20000.0	0.0000	0.0

Curve Type: Linear Equation: y = 30.9 x + 181.9

Mg 279.078 Calibration (ppb) 12/20/2012, 8:00:15 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.0716	0.0000	0.0000	-	-
HIGH STD		16478.7	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 1.6 x + 8.1

Mn 257.610 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		17.4198	0.0000	0.0000	-	-
HIGH STD		495082	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 49.5 x + 17.4

Mo 202.032 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.3765	0.0000	0.0000	-	-
HIGH STD		5345.60	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 5.3 x + 3.4

Na 330.237 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.0512	0.0000	0.0000	-	-
HIGH STD		560.249	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.0 x + -2.1

Ni 231.604 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.3873	0.0000	0.0000	-	-
HIGH STD		10923.2	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 2.2 x + -1.4

Pb 220.353 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.0375	0.0000	0.0000	-	-
HIGH STD		1170.26	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 1.2 x + 2.0

Sb 206.834 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.6416	0.0000	0.0000	-	-
HIGH STD		1117.47	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1.1 x + 0.6

Se 196.026 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.8927	0.0000	0.0000	-	-
HIGH STD		3148.07	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.3 x + 1.9

Sn 189.925 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.8953	0.0000	0.0000	-	-
HIGH STD		6100.58	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.6 x + -0.9

Sr 216.596 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.3478	0.0000	0.0000	-	-
HIGH STD		40174.0	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 8.0 x + -1.3

Ti 334.941 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-17.0944	0.0000	0.0000	-	-
HIGH STD		84296.9	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 84.3 x + -17.1

Tl 190.794 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.5143	0.0000	0.0000	-	-
HIGH STD		4578.83	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.5 x + -1.5

V 292.401 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.7175	0.0000	0.0000	-	-
HIGH STD		175551	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 17.6 x + 0.7

Zn 206.200 Calibration (ppb) **12/20/2012, 8:00:15 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.0207	0.0000	0.0000	-	-
HIGH STD		4132.23	5000.00	5000.00	-0.0005	0.0

Curve Type: Linear Equation: y = 0.8 x + 1.0

lb 680-259907/6-d (Samp) **12/20/2012, 8:58:12 PM** **Rack 2, Tube 3**

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

Label	Replicates Concentration		
Ag 328.068	-0.2272u	-0.0107u	-0.5107u
Al 308.215	2.9537	2.8828	3.5101
As 188.980	3.4039	-2.0860u	4.6695
B 249.678	11.8428	12.2466	11.1611
Ba 389.178	-0.0810u	-0.1080u	-0.7873u

Label	Replicates Concentration		
Be 313.042	0.0207	0.0227	0.0249
Ca 370.602	87.46	87.49	85.20
Cd 226.502	0.1311	0.0942	0.0754
Co 228.615	0.0181	-0.0656u	0.1248
Cr 267.716	0.1741	0.0723	0.1557
Cu 324.754	0.6136	0.7438	0.5558
Fe 271.441	3.9782	8.0382	1.5991
K 766.491	30.0887	30.5921	30.1214
Mg 279.078	20.2074	18.6466	19.6350
Mn 257.610	0.4771	0.4704	0.5228
Mo 202.032	0.5108	0.7412	0.4172
Na 330.237	104429x	104552x	104366x
Ni 231.604	1.5285	0.4235	0.5091
Pb 220.353	-0.6783u	-1.8885u	0.2652
Sb 206.834	0.5903	1.8453	2.0575
Se 196.026	2.0708	-2.3117u	6.6065
Sn 189.925	-0.2147u	-1.0203u	-0.9328u
Sr 216.596	0.2534	0.2934	0.0934
Ti 334.941	0.0291	0.0312	0.1216
Tl 190.794	-0.0328u	-0.0366u	-0.0994u
V 292.401	0.0239u	-0.0021u	0.1693
Zn 206.200	2.4681	1.2698	2.0175

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2495b	ppb	0.2507	100.5	-18.0487
Al 308.215	3.1156b	ppb	0.3435	11.0	31.8525
As 188.980	1.9958b	ppb	3.5912	179.9	0.8711
B 249.678	11.7502b	ppb	0.5487	4.7	165.978
Ba 389.178	-0.3254b	ppb	0.4002	123.0	-13.7155
Be 313.042	0.0228b	ppb	0.0021	9.3	-51.3592
Ca 370.602	86.71b	ppb	1.316	1.5	231.5
Cd 226.502	0.1002b	ppb	0.0283	28.2	3.8533
Co 228.615	0.0258b	ppb	0.0955	370.5	-6.0929
Cr 267.716	0.1340b	ppb	0.0542	40.5	17.9858
Cu 324.754	0.6377b	ppb	0.0963	15.1	234.383
Fe 271.441	4.5385b	ppb	3.2559	71.7	-11.1700
K 766.491	30.2674b	ppb	0.2817	0.9	1117.05
Mg 279.078	19.4963b	ppb	0.7895	4.0	40.1779
Mn 257.610	0.4901b	ppb	0.0285	5.8	41.5867
Mo 202.032	0.5564b	ppb	0.1668	30.0	6.3490
Na 330.237	104449xb	ppb	94.5309	0.1	3913.39
Ni 231.604	0.8204b	ppb	0.6147	74.9	0.4039
Pb 220.353	-0.7672b	ppb	1.0796	140.7	1.1402
Sb 206.834	1.4977b	ppb	0.7930	52.9	2.3081
Se 196.026	2.1219b	ppb	4.4593	210.2	2.5603
Sn 189.925	-0.7226b	ppb	0.4420	61.2	-1.3104
Sr 216.596	0.2134b	ppb	0.1058	49.6	0.3394
Ti 334.941	0.0606b	ppb	0.0528	87.1	-14.2964
Tl 190.794	-0.0562b	ppb	0.0374	66.5	-1.5404
V 292.401	0.0637b	ppb	0.0924	145.0	1.2547
Zn 206.200	1.9185b	ppb	0.6053	31.5	2.6055

lcs 680-260472/2-a (Samp) **12/20/2012, 9:04:38 PM** **Rack 2, Tube 4**

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

Label	Replicates Concentration		
Ag 328.068	87.4312	87.7763	88.3638
Al 308.215	9091.29	8996.67	8932.63

Label	Replicates Concentration		
As 188.980	186.340	188.179	189.018
B 249.678	364.312	366.038	368.817
Ba 389.178	174.926	174.116	174.913
Be 313.042	91.1170	90.9507	91.4075
Ca 370.602	8960	8912	8929
Cd 226.502	90.2241	89.8998	90.2149
Co 228.615	89.7731	89.1284	89.8204
Cr 267.716	180.042	179.687	181.226
Cu 324.754	183.154	183.094	183.128
Fe 271.441	8801.22	8768.16	8796.71
K 766.491	9966.70	9950.70	9959.72
Mg 279.078	8837.95	8830.62	8881.39
Mn 257.610	895.044	898.959	915.949
Mo 202.032	178.513	176.604	179.133
Na 330.237	111926x	111616x	111973x
Ni 231.604	179.114	177.227	181.014
Pb 220.353	84.6332	88.6626	91.5938
Sb 206.834	90.0644	91.0145	88.0322
Se 196.026	187.847	179.984	177.490
Sn 189.925	176.270	176.479	169.964
Sr 216.596	178.558	177.404	179.282
Ti 334.941	176.355	176.434	180.511
Tl 190.794	69.1547	70.0866	74.6557
V 292.401	180.242	180.294	179.985
Zn 206.200	178.849	181.344	181.159

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	87.8571b	ppb	0.4715	0.5	3440.97
Al 308.215	9006.86b	ppb	79.8190	0.9	28409.1
As 188.980	187.846b	ppb	1.3701	0.7	95.1812
B 249.678	366.389b	ppb	2.2727	0.6	3899.07
Ba 389.178	174.652b	ppb	0.4637	0.3	2182.33
Be 313.042	91.1584b	ppb	0.2312	0.3	96383.5
Ca 370.602	8934b	ppb	24.85	0.3	20005
Cd 226.502	90.1129b	ppb	0.1846	0.2	2739.94
Co 228.615	89.5740b	ppb	0.3866	0.4	774.416
Cr 267.716	180.318b	ppb	0.8058	0.4	5533.21
Cu 324.754	183.125b	ppb	0.0297	0.0	9488.08
Fe 271.441	8788.69b	ppb	17.9274	0.2	8977.59
K 766.491	9959.04b	ppb	8.0200	0.1	307892
Mg 279.078	8849.99b	ppb	27.4424	0.3	14576.3
Mn 257.610	903.317b	ppb	11.1134	1.2	44749.6
Mo 202.032	178.083b	ppb	1.3179	0.7	954.487
Na 330.237	111838xb	ppb	193.710	0.2	4187.04
Ni 231.604	179.118b	ppb	1.8932	1.1	390.476
Pb 220.353	88.2966b	ppb	3.4947	4.0	104.930
Sb 206.834	89.7037b	ppb	1.5235	1.7	100.231
Se 196.026	181.774b	ppb	5.4057	3.0	59.1037
Sn 189.925	174.238b	ppb	3.7024	2.1	105.445
Sr 216.596	178.415b	ppb	0.9474	0.5	1437.63
Ti 334.941	177.767b	ppb	2.3771	1.3	14971.1
Tl 190.794	71.2990b	ppb	2.9441	4.1	31.2205
V 292.401	180.173b	ppb	0.1656	0.1	3145.27
Zn 206.200	180.451b	ppb	1.3898	0.8	149.668

680-85766-a-1-c (Samp) **12/20/2012, 9:11:04 PM** **Rack 2, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0640	-0.2647u	-0.3758u
Al 308.215	36.6075	35.5968	33.3391
As 188.980	-0.4812u	0.5411	-4.4664u
B 249.678	50.0477	49.0800	49.1684
Ba 389.178	5.4272	5.0215	4.7854
Be 313.042	0.0147	0.0172	0.0093
Ca 370.602	20233	20304	20304
Cd 226.502	0.1696	-0.0432u	0.1641
Co 228.615	0.0778	0.1044	0.0723
Cr 267.716	29.3170	29.3128	29.2312
Cu 324.754	0.2589	0.2400	0.5227
Fe 271.441	24.4024	21.2385	20.9892
K 766.491	6758.31	6757.77	6753.88
Mg 279.078	290.741	295.491	291.438
Mn 257.610	3.3572	3.1733	3.2184
Mo 202.032	1.0143	1.1993	1.1048
Na 330.237	154683x	154625x	153495x
Ni 231.604	-0.0730u	-0.5556u	0.9510
Pb 220.353	0.4430	-1.2353u	0.8833
Sb 206.834	4.0650	3.4780	3.1715
Se 196.026	-1.1766u	6.8953	2.2552
Sn 189.925	-0.7134u	-0.3281u	1.8152
Sr 216.596	99.6496	99.5218	98.5020
Ti 334.941	0.2349	0.2150	0.2915
Tl 190.794	-1.0923u	-4.1235u	0.0936
V 292.401	0.1028u	-0.2078u	-0.1921u
Zn 206.200	6970.69	6983.86	6965.67

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1922b	ppb	0.2287	119.0	-16.4377
Al 308.215	35.1811b	ppb	1.6734	4.8	132.870
As 188.980	-1.4688b	ppb	2.6458	180.1	-0.8878
B 249.678	49.4320b	ppb	0.5350	1.1	563.113
Ba 389.178	5.0780b	ppb	0.3246	6.4	52.0833
Be 313.042	0.0137b	ppb	0.0040	29.4	-59.6102
Ca 370.602	20281b	ppb	40.83	0.2	50636
Cd 226.502	0.0968b	ppb	0.1213	125.3	4.9505
Co 228.615	0.0848b	ppb	0.0172	20.2	-5.5780
Cr 267.716	29.2870b	ppb	0.0484	0.2	910.649
Cu 324.754	0.3405b	ppb	0.1581	46.4	219.326
Fe 271.441	22.2100b	ppb	1.9027	8.6	7.2627
K 766.491	6756.65b	ppb	2.4173	0.0	208946
Mg 279.078	292.557b	ppb	2.5648	0.9	489.899
Mn 257.610	3.2496b	ppb	0.0958	2.9	178.472
Mo 202.032	1.1062b	ppb	0.0925	8.4	9.2862
Na 330.237	154268xb	ppb	670.087	0.4	5749.69
Ni 231.604	0.1075b	ppb	0.7693	715.7	-1.1406
Pb 220.353	0.0304b	ppb	1.1180	3683.2	2.0714
Sb 206.834	3.5715b	ppb	0.4540	12.7	4.7519
Se 196.026	2.6580b	ppb	4.0510	152.4	2.7290
Sn 189.925	0.2579b	ppb	1.3623	528.3	-0.6934
Sr 216.596	99.2245b	ppb	0.6290	0.6	797.038
Ti 334.941	0.2471b	ppb	0.0397	16.1	0.7760
Tl 190.794	-1.7074b	ppb	2.1748	127.4	-2.2917
V 292.401	-0.0991b	ppb	0.1750	176.7	-4.4012
Zn 206.200	6973.40b	ppb	9.3978	0.1	5762.65

680-85766-a-1-c (Samp) **12/20/2012, 9:17:30 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0560	0.2890	0.0122
Al 308.215	7.1606	6.9760	7.4733
As 188.980	5.2430	0.4222	-2.3383u
B 249.678	9.2054	9.4817	10.0798
Ba 389.178	1.1073	1.1926	0.2528
Be 313.042	-0.0012u	0.0062	0.0030
Ca 370.602	4083	4063	4055
Cd 226.502	-0.0004	0.1514	-0.0748u
Co 228.615	0.6102	0.3765	0.3270
Cr 267.716	5.9927	5.8905	5.9014
Cu 324.754	0.1809	0.3060	0.1064
Fe 271.441	7.1571	2.6754	6.5947
K 766.491	1258.09	1250.36	1250.15
Mg 279.078	62.2985	60.5534	60.8079
Mn 257.610	0.6148	0.6093	0.6409
Mo 202.032	0.3299	0.5223	0.2285
Na 330.237	29662.3	29250.2	29299.6
Ni 231.604	-0.1822u	0.4315	0.4235
Pb 220.353	0.2313	-0.7674u	-0.2310u
Sb 206.834	3.4580	1.3189	1.9845
Se 196.026	0.5664	-4.2962u	4.1018
Sn 189.925	0.6003	-1.1310u	-0.2405u
Sr 216.596	20.3455	20.4272	20.2468
Ti 334.941	0.0653	0.0807	0.0939
Tl 190.794	-3.0089u	1.1193	6.2959
V 292.401	-0.4900u	-0.5490u	-0.2136u
Zn 206.200	1413.56	1413.37	1417.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1191	ppb	0.1488	124.9	-3.6955
Al 308.215	7.2033	ppb	0.2514	3.5	44.7079
As 188.980	1.1090	ppb	3.8371	346.0	0.4210
B 249.678	9.5890	ppb	0.4469	4.7	143.204
Ba 389.178	0.8509	ppb	0.5197	61.1	0.6341
Be 313.042	0.0027	ppb	0.0038	140.1	-67.1715
Ca 370.602	4067	ppb	14.47	0.4	10167
Cd 226.502	0.0254	ppb	0.1153	453.6	2.1837
Co 228.615	0.4379	ppb	0.1513	34.5	-2.4918
Cr 267.716	5.9282	ppb	0.0561	0.9	194.493
Cu 324.754	0.1978	ppb	0.1008	51.0	212.081
Fe 271.441	5.4757	ppb	2.4414	44.6	-10.1211
K 766.491	1252.86	ppb	4.5242	0.4	38892.4
Mg 279.078	61.2199	ppb	0.9427	1.5	108.897
Mn 257.610	0.6217	ppb	0.0168	2.7	48.2345
Mo 202.032	0.3602	ppb	0.1492	41.4	5.3014
Na 330.237	29404.0	ppb	225.031	0.8	1093.86
Ni 231.604	0.2243	ppb	0.3520	157.0	-0.8953
Pb 220.353	-0.2557	ppb	0.4998	195.5	1.7381
Sb 206.834	2.2538	ppb	1.0947	48.6	3.1808
Se 196.026	0.1240	ppb	4.2165	3400.6	1.9317
Sn 189.925	-0.2571	ppb	0.8658	336.8	-1.0436
Sr 216.596	20.3398	ppb	0.0903	0.4	162.294
Ti 334.941	0.0800	ppb	0.0143	17.9	-10.9136
Tl 190.794	1.4688	ppb	4.6622	317.4	-0.8405
V 292.401	-0.4176	ppb	0.1791	42.9	-7.3098
Zn 206.200	1414.75	ppb	2.2221	0.2	1169.92

680-85766-a-1-c (Samp) **12/20/2012, 9:23:57 PM** **Rack 2, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.3965	51.6869	51.9393
Al 308.215	2049.99	2057.70	2034.45
As 188.980	2144.29	2146.47	2157.58
B 249.678	1070.90	1073.41	1082.66
Ba 389.178	2040.12	2044.26	2046.97
Be 313.042	52.0659	52.1586	52.2779
Ca 370.602	25304	25329	25269
Cd 226.502	50.5771	50.8035	51.0851
Co 228.615	513.281	511.098	513.589
Cr 267.716	232.734	232.882	234.167
Cu 324.754	259.753	259.370	259.381
Fe 271.441	1037.13	1034.04	1038.49
K 766.491	12836.5	12814.9	12824.0
Mg 279.078	5332.42	5328.03	5345.48
Mn 257.610	526.497	524.947	534.130
Mo 202.032	512.485	509.324	510.474
Na 330.237	160885x	160250x	160253x
Ni 231.604	506.719	504.217	504.605
Pb 220.353	502.043	499.119	500.343
Sb 206.834	513.172	513.297	514.886
Se 196.026	2079.97	2089.36	2107.62
Sn 189.925	1017.59	1015.78	1010.71
Sr 216.596	611.666	611.014	615.066
Ti 334.941	1012.49	1009.99	1028.79
Tl 190.794	2026.57	2034.49	1995.98
V 292.401	506.761	507.927	508.637
Zn 206.200	7438.38	7441.71	7450.52

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.6742b	ppb	0.2716	0.5	2018.35
Al 308.215	2047.38b	ppb	11.8468	0.6	6500.33
As 188.980	2149.44b	ppb	7.1282	0.3	1090.92
B 249.678	1075.66b	ppb	6.1926	0.6	11378.0
Ba 389.178	2043.78b	ppb	3.4463	0.2	25550.5
Be 313.042	52.1675b	ppb	0.1063	0.2	55149.6
Ca 370.602	25301b	ppb	30.05	0.1	62956
Cd 226.502	50.8219b	ppb	0.2545	0.5	1537.90
Co 228.615	512.656b	ppb	1.3578	0.3	4470.77
Cr 267.716	233.261b	ppb	0.7877	0.3	7150.93
Cu 324.754	259.501b	ppb	0.2179	0.1	13372.6
Fe 271.441	1036.56b	ppb	2.2804	0.2	1083.52
K 766.491	12825.1b	ppb	10.8844	0.1	396448
Mg 279.078	5335.31b	ppb	9.0756	0.2	8791.09
Mn 257.610	528.525b	ppb	4.9160	0.9	26188.3
Mo 202.032	510.761b	ppb	1.6001	0.3	2731.67
Na 330.237	160463xb	ppb	365.313	0.2	5975.81
Ni 231.604	505.180b	ppb	1.3466	0.3	1103.57
Pb 220.353	500.502b	ppb	1.4684	0.3	585.628
Sb 206.834	513.785b	ppb	0.9558	0.2	570.839
Se 196.026	2092.32b	ppb	14.0597	0.7	660.175
Sn 189.925	1014.69b	ppb	3.5668	0.4	618.263
Sr 216.596	612.582b	ppb	2.1758	0.4	4901.40
Ti 334.941	1017.09b	ppb	10.2103	1.0	85735.5
Tl 190.794	2019.01b	ppb	20.3389	1.0	924.314
V 292.401	507.775b	ppb	0.9468	0.2	8867.84
Zn 206.200	7443.54b	ppb	6.2716	0.1	6150.48

680-85766-a-1-d ms (Samp) **12/20/2012, 9:30:23 PM** **Rack 2, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	90.4479	90.9109	90.8354
Al 308.215	9112.30	8999.33	9088.19
As 188.980	190.962	196.087	193.980
B 249.678	417.244	419.315	418.407
Ba 389.178	181.633	181.947	181.933
Be 313.042	93.0336	93.1447	93.0962
Ca 370.602	29668	29556	29642
Cd 226.502	90.8518	90.9156	90.9557
Co 228.615	90.5371	89.5155	89.6581
Cr 267.716	213.185	213.723	213.186
Cu 324.754	185.960	185.454	185.220
Fe 271.441	8849.35	8838.28	8846.48
K 766.491	17535.1	17455.3	17461.6
Mg 279.078	9254.01	9269.15	9251.69
Mn 257.610	937.542	948.052	940.959
Mo 202.032	180.705	180.900	180.700
Na 330.237	167195x	167009x	167340x
Ni 231.604	182.226	181.051	181.508
Pb 220.353	91.7724	90.2435	90.9730
Sb 206.834	94.2802	94.3241	96.3098
Se 196.026	197.626	197.314	188.270
Sn 189.925	177.887	176.332	178.990
Sr 216.596	282.364	282.596	284.294
Ti 334.941	183.396	185.067	183.560
Tl 190.794	67.5549	61.5791	64.9144
V 292.401	182.157	181.844	182.733
Zn 206.200	7194.12	7212.36	7238.11

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	90.7314b	ppb	0.2484	0.3	3553.17
Al 308.215	9066.61b	ppb	59.4966	0.7	28597.5
As 188.980	193.676b	ppb	2.5761	1.3	98.1397
B 249.678	418.322b	ppb	1.0381	0.2	4446.35
Ba 389.178	181.838b	ppb	0.1773	0.1	2270.46
Be 313.042	93.0915b	ppb	0.0557	0.1	98429.9
Ca 370.602	29622b	ppb	58.86	0.2	71622
Cd 226.502	90.9077b	ppb	0.0524	0.1	2765.35
Co 228.615	89.9036b	ppb	0.5533	0.6	777.228
Cr 267.716	213.364b	ppb	0.3103	0.1	6545.09
Cu 324.754	185.545b	ppb	0.3783	0.2	9610.84
Fe 271.441	8844.71b	ppb	5.7429	0.1	9035.31
K 766.491	17484.0b	ppb	44.4021	0.3	540396
Mg 279.078	9258.28b	ppb	9.4796	0.1	15248.6
Mn 257.610	942.184b	ppb	5.3607	0.6	46674.2
Mo 202.032	180.768b	ppb	0.1139	0.1	968.834
Na 330.237	167181xb	ppb	166.247	0.1	6230.08
Ni 231.604	181.595b	ppb	0.5926	0.3	395.905
Pb 220.353	90.9963b	ppb	0.7648	0.8	108.071
Sb 206.834	94.9714b	ppb	1.1593	1.2	106.215
Se 196.026	194.404b	ppb	5.3139	2.7	63.0776
Sn 189.925	177.736b	ppb	1.3352	0.8	107.600
Sr 216.596	283.085b	ppb	1.0538	0.4	2279.80
Ti 334.941	184.008b	ppb	0.9209	0.5	15496.6
Tl 190.794	64.6828b	ppb	2.9947	4.6	28.1950
V 292.401	182.244b	ppb	0.4508	0.2	3178.20
Zn 206.200	7214.86b	ppb	22.1021	0.3	5061.69

680-85766-a-1-e msd (Samp) **12/20/2012, 9:36:50 PM** **Rack 2, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	88.1460	87.2724	87.6372
Al 308.215	8802.44	8792.20	8833.89
As 188.980	189.253	186.807	182.740
B 249.678	406.030	404.025	402.963
Ba 389.178	176.676	177.031	175.726
Be 313.042	90.2037	89.9827	89.9340
Ca 370.602	29054	28969	28970
Cd 226.502	88.2284	87.6287	87.8563
Co 228.615	87.4089	86.0091	86.9153
Cr 267.716	206.604	205.886	206.156
Cu 324.754	180.746	181.235	180.707
Fe 271.441	8583.01	8560.15	8560.84
K 766.491	17043.4	16993.2	17072.7
Mg 279.078	9002.23	8951.34	8948.96
Mn 257.610	914.469	908.653	903.623
Mo 202.032	174.500	174.620	175.099
Na 330.237	164400x	163897x	164094x
Ni 231.604	175.157	172.519	173.718
Pb 220.353	89.1184	85.7939	88.6891
Sb 206.834	91.6754	93.1154	93.0907
Se 196.026	181.401	176.689	177.655
Sn 189.925	172.756	169.254	172.557
Sr 216.596	275.718	273.939	273.335
Ti 334.941	178.385	177.639	176.388
Tl 190.794	67.6357	65.2540	62.9887
V 292.401	176.210	175.483	176.278
Zn 206.200	7131.01	7110.26	7073.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	87.6852b	ppb	0.4388	0.5	3433.60
Al 308.215	8809.51b	ppb	21.7240	0.2	27787.1
As 188.980	186.267b	ppb	3.2897	1.8	94.3797
B 249.678	404.340b	ppb	1.5574	0.4	4299.14
Ba 389.178	176.478b	ppb	0.6749	0.4	2203.22
Be 313.042	90.0401b	ppb	0.1437	0.2	95201.2
Ca 370.602	28998b	ppb	49.06	0.2	70139
Cd 226.502	87.9045b	ppb	0.3027	0.3	2674.05
Co 228.615	86.7778b	ppb	0.7099	0.8	750.004
Cr 267.716	206.215b	ppb	0.3625	0.2	6326.24
Cu 324.754	180.896b	ppb	0.2943	0.2	9375.08
Fe 271.441	8568.00b	ppb	13.0003	0.2	8752.10
K 766.491	17036.4b	ppb	40.1954	0.2	526567
Mg 279.078	8967.51b	ppb	30.0940	0.3	14770.0
Mn 257.610	908.915b	ppb	5.4276	0.6	45026.8
Mo 202.032	174.740b	ppb	0.3171	0.2	936.634
Na 330.237	164130xb	ppb	253.688	0.2	6116.28
Ni 231.604	173.798b	ppb	1.3211	0.8	378.853
Pb 220.353	87.8671b	ppb	1.8083	2.1	104.426
Sb 206.834	92.6272b	ppb	0.8243	0.9	103.616
Se 196.026	178.582b	ppb	2.4888	1.4	58.0990
Sn 189.925	171.522b	ppb	1.9667	1.1	103.808
Sr 216.596	274.331b	ppb	1.2391	0.5	2209.33
Ti 334.941	177.471b	ppb	1.0095	0.6	14945.4
Tl 190.794	65.2928b	ppb	2.3238	3.6	28.4713
V 292.401	175.990b	ppb	0.4407	0.3	3069.14
Zn 206.200	7104.96b	ppb	29.0554	0.4	5870.90

680-85771-b-1-i (Samp) **12/20/2012, 9:43:17 PM** **Rack 2, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0338	-0.5037u	-0.1356u
Al 308.215	7.6927	7.8683	6.1744
As 188.980	6.6122	-2.4939u	-5.1476u
B 249.678	11.2456	10.9748	11.0492
Ba 389.178	38.1949	37.9769	37.8617
Be 313.042	0.0133	0.0209	0.0205
Ca 370.602	7145	7149	7146
Cd 226.502	0.1001	0.1621	0.3175
Co 228.615	0.1314	0.7262	0.1697
Cr 267.716	0.1046	-0.0714u	0.2415
Cu 324.754	1.9606	2.2440	2.0587
Fe 271.441	5.2053	3.6745	7.0091
K 766.491	470.011	469.541	470.470
Mg 279.078	1094.66	1094.97	1091.64
Mn 257.610	27.0957	26.8349	26.9161
Mo 202.032	0.6701	0.0976	0.3633
Na 330.237	147423x	146915x	147807x
Ni 231.604	1.2860	3.0525	2.3166
Pb 220.353	6.2922	6.8163	7.6616
Sb 206.834	4.6566	-1.9330u	-0.9045u
Se 196.026	6.6159	-3.3985u	7.4907
Sn 189.925	-2.7775u	-1.2686u	2.3083
Sr 216.596	51.7116	51.0705	52.7713
Ti 334.941	0.1151	0.1108	0.1766
Tl 190.794	0.0907	-8.7651u	-1.7160u
V 292.401	0.1418	0.0370u	-0.1655u
Zn 206.200	45.6845	46.2649	47.4225

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2018b	ppb	0.2748	136.1	-16.5114
Al 308.215	7.2451b	ppb	0.9314	12.9	44.8544
As 188.980	-0.3431b	ppb	6.1679	1797.7	-0.3162
B 249.678	11.0899b	ppb	0.1399	1.3	159.021
Ba 389.178	38.0112b	ppb	0.1693	0.4	465.794
Be 313.042	0.0182b	ppb	0.0043	23.5	-57.3558
Ca 370.602	7147b	ppb	2.141	0.0	17856
Cd 226.502	0.1932b	ppb	0.1120	58.0	6.9600
Co 228.615	0.3425b	ppb	0.3329	97.2	-3.3235
Cr 267.716	0.0916b	ppb	0.1568	171.3	17.1467
Cu 324.754	2.0878b	ppb	0.1439	6.9	307.876
Fe 271.441	5.2963b	ppb	1.6692	31.5	-10.2585
K 766.491	470.007b	ppb	0.4642	0.1	14704.0
Mg 279.078	1093.75b	ppb	1.8385	0.2	1809.31
Mn 257.610	26.9489b	ppb	0.1335	0.5	1352.46
Mo 202.032	0.3770b	ppb	0.2865	76.0	5.3907
Na 330.237	147382xb	ppb	447.630	0.3	5522.55
Ni 231.604	2.2184b	ppb	0.8874	40.0	3.4874
Pb 220.353	6.9234b	ppb	0.6910	10.0	10.1282
Sb 206.834	0.6064b	ppb	3.5451	584.7	1.3152
Se 196.026	3.5694b	ppb	6.0502	169.5	3.0157
Sn 189.925	-0.5793b	ppb	2.6120	450.9	-1.2101
Sr 216.596	51.8511b	ppb	0.8589	1.7	415.582
Ti 334.941	0.1342b	ppb	0.0368	27.4	-9.0378
Tl 190.794	-3.4635b	ppb	4.6794	135.1	-3.0874
V 292.401	0.0044b	ppb	0.1562	3524.4	-0.6823
Zn 206.200	46.4573b	ppb	0.8848	1.9	30.4224

680-85771-b-2-f (Samp) **12/20/2012, 9:49:45 PM** **Rack 2, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0208u	-0.1501u	0.0212
Al 308.215	9.9282	9.8672	7.9648
As 188.980	-1.3859u	-3.3476u	-2.6040u
B 249.678	19.3240	19.1021	19.7964
Ba 389.178	57.4098	57.0230	58.3723
Be 313.042	0.0106	0.0169	0.0048
Ca 370.602	29382	29182	29269
Cd 226.502	0.1687	0.1200	0.2804
Co 228.615	0.1569	0.0609	0.0943
Cr 267.716	0.0314	0.1613	0.2545
Cu 324.754	3.0298	2.6924	2.6865
Fe 271.441	4.8954	9.8011	4.4873
K 766.491	657.905	655.761	656.712
Mg 279.078	1695.67	1698.30	1705.50
Mn 257.610	36.7200	37.4374	37.3293
Mo 202.032	0.2822	0.3356	0.6273
Na 330.237	147632x	148217x	148217x
Ni 231.604	4.4433	3.3193	4.6235
Pb 220.353	12.9835	12.0657	12.8996
Sb 206.834	1.1316	1.2799	0.3867
Se 196.026	-1.3829u	-4.6748u	8.5081
Sn 189.925	-1.4210u	-0.2151u	-0.3317u
Sr 216.596	121.428	122.491	122.300
Ti 334.941	0.3607	0.2365	0.1815
Tl 190.794	-4.2075u	0.8859	3.1625
V 292.401	-0.2828u	-0.6314u	-0.2590u
Zn 206.200	58.0380	58.6269	57.6032

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0499b	ppb	0.0893	179.0	-11.0109
Al 308.215	9.2534b	ppb	1.1164	12.1	51.1591
As 188.980	-2.4458b	ppb	0.9903	40.5	-1.3836
B 249.678	19.4075b	ppb	0.3546	1.8	246.680
Ba 389.178	57.6017b	ppb	0.6948	1.2	709.049
Be 313.042	0.0108b	ppb	0.0061	56.5	-60.7212
Ca 370.602	29278b	ppb	100.2	0.3	73100
Cd 226.502	0.1897b	ppb	0.0822	43.3	8.3617
Co 228.615	0.1040b	ppb	0.0488	46.9	-5.3994
Cr 267.716	0.1491b	ppb	0.1121	75.2	18.9155
Cu 324.754	2.8029b	ppb	0.1965	7.0	344.128
Fe 271.441	6.3946b	ppb	2.9571	46.2	-8.7881
K 766.491	656.792b	ppb	1.0744	0.2	20475.2
Mg 279.078	1699.82b	ppb	5.0903	0.3	2807.45
Mn 257.610	37.1622b	ppb	0.3868	1.0	1858.72
Mo 202.032	0.4150b	ppb	0.1857	44.8	5.5942
Na 330.237	148022xb	ppb	337.822	0.2	5546.48
Ni 231.604	4.1287b	ppb	0.7067	17.1	7.6774
Pb 220.353	12.6496b	ppb	0.5074	4.0	16.8192
Sb 206.834	0.9327b	ppb	0.4787	51.3	1.6805
Se 196.026	0.8168b	ppb	6.8612	840.0	2.1497
Sn 189.925	-0.6560b	ppb	0.6651	101.4	-1.2494
Sr 216.596	122.073b	ppb	0.5667	0.5	980.953
Ti 334.941	0.2596b	ppb	0.0918	35.4	1.5333
Tl 190.794	-0.0531b	ppb	3.7736	7111.0	-1.5208
V 292.401	-0.3911b	ppb	0.2085	53.3	-9.8129
Zn 206.200	58.0894b	ppb	0.5138	0.9	40.0426

680-85771-b-3-e (Samp) **12/20/2012, 9:56:12 PM** **Rack 2, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0186	-0.2923u	0.0352
Al 308.215	4.0939	3.3729	3.8734
As 188.980	1.8376	-4.7624u	-3.8366u
B 249.678	16.2044	16.2294	16.3833
Ba 389.178	45.6214	45.7633	44.9735
Be 313.042	0.0228	0.0250	0.0177
Ca 370.602	26054	26055	26126
Cd 226.502	0.5607	0.6661	0.6157
Co 228.615	3.7203	3.8303	3.7496
Cr 267.716	0.1296	0.0335	-0.1129u
Cu 324.754	3.3608	3.4383	3.5278
Fe 271.441	6.1978	2.8390	6.5111
K 766.491	719.882	720.202	721.877
Mg 279.078	5244.01	5233.83	5229.20
Mn 257.610	228.763	226.394	225.448
Mo 202.032	0.0091	-0.2742u	0.0183
Na 330.237	143691x	144007x	144241x
Ni 231.604	4.2512	3.9079	4.3231
Pb 220.353	3.1238	8.2483	5.7484
Sb 206.834	2.5111	2.0303	2.2346
Se 196.026	-7.4417u	-6.4197u	3.9032
Sn 189.925	-1.0141u	-2.6855u	-1.0001u
Sr 216.596	65.1834	65.4867	66.2233
Ti 334.941	0.0490	0.0812	0.0187u
Tl 190.794	-3.1874u	0.8128	-0.8370u
V 292.401	-0.2190u	-0.1082u	-0.2660u
Zn 206.200	56.1259	57.8925	57.2225

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0795b	ppb	0.1844	232.0	-11.8483
Al 308.215	3.7801b	ppb	0.3695	9.8	33.9188
As 188.980	-2.2538b	ppb	3.5734	158.5	-1.2860
B 249.678	16.2723b	ppb	0.0969	0.6	213.637
Ba 389.178	45.4527b	ppb	0.4211	0.9	560.191
Be 313.042	0.0218b	ppb	0.0037	17.0	-49.5295
Ca 370.602	26078b	ppb	41.28	0.2	65117
Cd 226.502	0.6141b	ppb	0.0527	8.6	21.0062
Co 228.615	3.7667b	ppb	0.0570	1.5	26.5508
Cr 267.716	0.0167b	ppb	0.1221	729.6	14.8213
Cu 324.754	3.4423b	ppb	0.0836	2.4	376.527
Fe 271.441	5.1827b	ppb	2.0357	39.3	-9.8504
K 766.491	720.654b	ppb	1.0711	0.1	22448.3
Mg 279.078	5235.68b	ppb	7.5747	0.1	8629.57
Mn 257.610	226.868b	ppb	1.7074	0.8	11253.7
Mo 202.032	-0.0823b	ppb	0.1663	202.1	2.9371
Na 330.237	143979xb	ppb	276.083	0.2	5394.82
Ni 231.604	4.1607b	ppb	0.2219	5.3	7.8389
Pb 220.353	5.7068b	ppb	2.5625	44.9	8.7341
Sb 206.834	2.2587b	ppb	0.2413	10.7	3.1642
Se 196.026	-3.3194b	ppb	6.2758	189.1	0.8483
Sn 189.925	-1.5666b	ppb	0.9691	61.9	-1.8070
Sr 216.596	65.6311b	ppb	0.5348	0.8	527.271
Ti 334.941	0.0496b	ppb	0.0312	62.9	-16.0301
Tl 190.794	-1.0705b	ppb	2.0103	187.8	-1.8909
V 292.401	-0.1977b	ppb	0.0811	41.0	-6.2549
Zn 206.200	57.0803b	ppb	0.8919	1.6	48.2648

680-85771-b-4-f (Samp) **12/20/2012, 10:15:31 PM** **Rack 2, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2812u	-0.4394u	0.2792
Al 308.215	3.3667	1.2421	4.4169
As 188.980	1.9157	-0.2064u	-2.8622u
B 249.678	10.8219	10.4389	10.2415
Ba 389.178	50.9853	50.4386	51.8290
Be 313.042	0.0232	0.0334	0.0281
Ca 370.602	25482	25514	25552
Cd 226.502	0.1791	0.0496	0.2560
Co 228.615	4.3286	3.8523	4.1956
Cr 267.716	0.1065	0.1978	0.0772
Cu 324.754	3.0376	2.9118	2.8667
Fe 271.441	5.0460	-1.5425u	5.1998
K 766.491	607.326	606.914	606.160
Mg 279.078	4321.44	4321.57	4317.47
Mn 257.610	217.852	216.973	216.197
Mo 202.032	0.4640	0.0866	0.4778
Na 330.237	141593x	141563x	141069x
Ni 231.604	10.7069	9.5809	9.2293
Pb 220.353	3.2989	4.4903	1.6516
Sb 206.834	3.0938	-0.1688u	3.5740
Se 196.026	7.9592	3.6072	-5.7526u
Sn 189.925	2.7418	1.2620	0.1027
Sr 216.596	88.1020	89.5751	88.6056
Ti 334.941	0.1538	0.2169	0.1257
Tl 190.794	2.2369	2.0547	3.5238
V 292.401	-0.0615u	-0.1638u	-0.3275u
Zn 206.200	43.4289	44.7860	44.5715

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1472b	ppb	0.3776	256.6	-14.6439
Al 308.215	3.0086b	ppb	1.6174	53.8	31.4931
As 188.980	-0.3843b	ppb	2.3939	622.9	-0.3371
B 249.678	10.5008b	ppb	0.2951	2.8	152.813
Ba 389.178	51.0843b	ppb	0.7004	1.4	629.960
Be 313.042	0.0282b	ppb	0.0051	18.0	-42.7121
Ca 370.602	25516b	ppb	34.94	0.1	63715
Cd 226.502	0.1615b	ppb	0.1043	64.6	7.3061
Co 228.615	4.1255b	ppb	0.2458	6.0	29.6728
Cr 267.716	0.1272b	ppb	0.0629	49.5	18.1743
Cu 324.754	2.9387b	ppb	0.0885	3.0	351.007
Fe 271.441	2.9011b	ppb	3.8490	132.7	-12.1688
K 766.491	606.800b	ppb	0.5912	0.1	18930.5
Mg 279.078	4320.16b	ppb	2.3312	0.1	7121.74
Mn 257.610	217.008b	ppb	0.8279	0.4	10764.7
Mo 202.032	0.3428b	ppb	0.2220	64.8	5.2083
Na 330.237	141409xb	ppb	294.320	0.2	5298.54
Ni 231.604	9.8390b	ppb	0.7719	7.8	20.2231
Pb 220.353	3.1469b	ppb	1.4255	45.3	5.7416
Sb 206.834	2.1663b	ppb	2.0365	94.0	3.0587
Se 196.026	1.9379b	ppb	7.0066	361.6	2.5024
Sn 189.925	1.3688b	ppb	1.3228	96.6	-0.0169
Sr 216.596	88.7609b	ppb	0.7487	0.8	712.877
Ti 334.941	0.1655b	ppb	0.0467	28.2	-6.2183
Tl 190.794	2.6051b	ppb	0.8008	30.7	-0.2118
V 292.401	-0.1843b	ppb	0.1342	72.8	-5.9772
Zn 206.200	44.2622b	ppb	0.7295	1.6	37.6593

lb 680-260225/12-e (Samp) **12/20/2012, 10:21:58 PM** **Rack 2, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2028u	0.1704	-0.3500u
Al 308.215	4.8332	4.8170	5.3750
As 188.980	-4.7137u	-3.7727u	-1.1003u
B 249.678	12.1670	11.6256	11.8326
Ba 389.178	1.1114	-0.4060u	-0.2534u
Be 313.042	0.0140	0.0109	0.0210
Ca 370.602	104.2	104.3	101.9
Cd 226.502	0.1512	0.0717	0.0693
Co 228.615	0.2946	-0.3095u	0.5023
Cr 267.716	0.1324	-0.0576u	-0.0998u
Cu 324.754	0.6395	0.5886	0.4610
Fe 271.441	-3.3397u	1.8641	7.9549
K 766.491	36.8002	36.8804	36.9991
Mg 279.078	21.2178	24.0260	19.8683
Mn 257.610	0.1920	0.2450	0.1091
Mo 202.032	0.6140	0.5380	0.3201
Na 330.237	150081x	149489x	149714x
Ni 231.604	0.3075	0.8962	-0.0215u
Pb 220.353	1.2371	-0.8551u	0.4898
Sb 206.834	1.8826	1.0022	1.4999
Se 196.026	2.8755	-6.4246u	6.6282
Sn 189.925	-0.8211u	-2.9816u	-1.0803u
Sr 216.596	0.2638	0.3334	0.5764
Ti 334.941	0.0645	0.1047	0.0661
Tl 190.794	-4.0958u	0.2166	2.3179
V 292.401	-0.1595u	-0.1543u	-0.0634u
Zn 206.200	1.6235	5.6554	5.3107

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1275b	ppb	0.2682	210.4	-13.2550
Al 308.215	5.0084b	ppb	0.3176	6.3	37.8032
As 188.980	-3.1956b	ppb	1.8746	58.7	-1.7642
B 249.678	11.8750b	ppb	0.2732	2.3	167.297
Ba 389.178	0.1507b	ppb	0.8355	554.5	-7.7642
Be 313.042	0.0153b	ppb	0.0052	33.7	-62.0179
Ca 370.602	103.4b	ppb	1.361	1.3	274.5
Cd 226.502	0.0974b	ppb	0.0466	47.9	3.5652
Co 228.615	0.1625b	ppb	0.4217	259.5	-4.8941
Cr 267.716	-0.0083b	ppb	0.1237	1483.7	14.1154
Cu 324.754	0.5630b	ppb	0.0919	16.3	230.591
Fe 271.441	2.1597b	ppb	5.6531	261.7	-13.5912
K 766.491	36.8932b	ppb	0.1001	0.3	1321.77
Mg 279.078	21.7040b	ppb	2.1211	9.8	43.8168
Mn 257.610	0.1821b	ppb	0.0685	37.6	26.2872
Mo 202.032	0.4907b	ppb	0.1526	31.1	5.9984
Na 330.237	149761xb	ppb	298.985	0.2	5611.98
Ni 231.604	0.3941b	ppb	0.4649	118.0	-0.5273
Pb 220.353	0.2906b	ppb	1.0602	364.8	2.3762
Sb 206.834	1.4616b	ppb	0.4414	30.2	2.2698
Se 196.026	1.0264b	ppb	6.7200	654.7	2.2156
Sn 189.925	-1.6277b	ppb	1.1797	72.5	-1.8515
Sr 216.596	0.3912b	ppb	0.1641	42.0	1.7785
Ti 334.941	0.0784b	ppb	0.0227	29.0	-13.8049
Tl 190.794	-0.5204b	ppb	3.2697	628.3	-1.7527
V 292.401	-0.1258b	ppb	0.0540	43.0	-2.2606
Zn 206.200	4.1966b	ppb	2.2350	53.3	4.4882

680-85833-a-3-b (Samp) **12/20/2012, 10:28:24 PM** **Rack 2, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2973	-0.0943u	0.3508
Al 308.215	2.4814	3.1664	3.4357
As 188.980	-0.4325u	-3.5719u	-0.8361u
B 249.678	42.1090	41.4284	42.4217
Ba 389.178	86.2610	87.0855	87.9513
Be 313.042	0.0162	0.0115	0.0024u
Ca 370.602	35639	35572	35482
Cd 226.502	0.3129	0.1539	0.2432
Co 228.615	0.2631	-0.1968u	-0.1033u
Cr 267.716	12.1225	11.7862	12.1083
Cu 324.754	0.7512	1.2466	0.9659
Fe 271.441	5.0980	4.9190	4.9039
K 766.491	1139.71	1140.17	1135.85
Mg 279.078	865.337	859.316	867.855
Mn 257.610	46.5779	46.6177	47.4118
Mo 202.032	-0.2201u	-0.1346u	-0.1358u
Na 330.237	187035x	185234x	185689x
Ni 231.604	0.7154	1.4452	0.8674
Pb 220.353	168.672	168.733	170.518
Sb 206.834	-0.1435u	-1.1540u	-1.6764u
Se 196.026	7.4579	3.8215	6.0915
Sn 189.925	-0.4777u	-3.9158u	-0.6595u
Sr 216.596	87.7546	88.0955	88.4698
Ti 334.941	0.0905	0.1854	0.0437u
Tl 190.794	-4.0783u	-2.0456u	-1.4291u
V 292.401	-0.1215u	-0.5947u	-0.3823u
Zn 206.200	6.6246	7.5931	8.1691

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1846b	ppb	0.2430	131.6	-1.5873
Al 308.215	3.0278b	ppb	0.4920	16.2	31.5369
As 188.980	-1.6135b	ppb	1.7080	105.9	-0.9610
B 249.678	41.9864b	ppb	0.5079	1.2	484.643
Ba 389.178	87.0993b	ppb	0.8452	1.0	1076.62
Be 313.042	0.0101b	ppb	0.0070	70.0	-62.4695
Ca 370.602	35565b	ppb	78.94	0.2	88795
Cd 226.502	0.2367b	ppb	0.0797	33.7	10.0294
Co 228.615	-0.0123b	ppb	0.2431	1978.0	-6.4045
Cr 267.716	12.0057b	ppb	0.1902	1.6	382.188
Cu 324.754	0.9879b	ppb	0.2484	25.1	252.119
Fe 271.441	4.9737b	ppb	0.1080	2.2	-10.1334
K 766.491	1138.58b	ppb	2.3697	0.2	35361.2
Mg 279.078	864.169b	ppb	4.3874	0.5	1431.00
Mn 257.610	46.8691b	ppb	0.4704	1.0	2338.49
Mo 202.032	-0.1635b	ppb	0.0490	30.0	2.5036
Na 330.237	185986xb	ppb	936.517	0.5	6969.89
Ni 231.604	1.0094b	ppb	0.3850	38.1	0.8393
Pb 220.353	169.308b	ppb	1.0489	0.6	199.832
Sb 206.834	-0.9913b	ppb	0.7793	78.6	-0.4106
Se 196.026	5.7903b	ppb	1.8368	31.7	3.7144
Sn 189.925	-1.6843b	ppb	1.9347	114.9	-1.8654
Sr 216.596	88.1066b	ppb	0.3577	0.4	708.486
Ti 334.941	0.1065b	ppb	0.0722	67.8	-12.0477
Tl 190.794	-2.5177b	ppb	1.3862	55.1	-2.6426
V 292.401	-0.3662b	ppb	0.2370	64.7	-10.3771
Zn 206.200	7.4623b	ppb	0.7805	10.5	7.1592

680-85838-a-1-b (Samp) **12/20/2012, 10:34:50 PM** **Rack 2, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2768u	0.1544	-0.1782u
Al 308.215	110.013	112.631	110.137
As 188.980	-5.4696u	-0.1922u	-1.9510u
B 249.678	51.4747	51.0771	50.9683
Ba 389.178	40.3153	40.6260	41.5339
Be 313.042	0.0115	0.0246	0.0173
Ca 370.602	1611	1613	1615
Cd 226.502	0.4342	0.6901	0.5065
Co 228.615	1.5437	1.2544	1.0925
Cr 267.716	8.6263	8.3483	8.7400
Cu 324.754	3.2412	3.0633	2.9539
Fe 271.441	6759.72	6705.11	6764.13
K 766.491	220.518	218.906	220.648
Mg 279.078	186.224	189.330	185.970
Mn 257.610	152.107	150.478	150.972
Mo 202.032	-0.4049u	-0.0775u	0.3059
Na 330.237	158801x	158106x	159123x
Ni 231.604	6.4274	4.8815	5.0277
Pb 220.353	562.650	558.823	562.996
Sb 206.834	1.5448	-1.0348u	-1.9727u
Se 196.026	13.4244	2.2667	2.1880
Sn 189.925	-0.6840u	2.3278	0.0115
Sr 216.596	8.6366	8.1421	8.4159
Ti 334.941	0.0013u	0.0162u	0.0766
Tl 190.794	-6.7083u	-2.6630u	-0.5172u
V 292.401	-0.1971u	-0.1169u	0.1533
Zn 206.200	845.834	850.307	850.619

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1002b	ppb	0.2259	225.4	-13.2988
Al 308.215	110.927b	ppb	1.4770	1.3	371.511
As 188.980	-2.5376b	ppb	2.6871	105.9	-1.4301
B 249.678	51.1734b	ppb	0.2666	0.5	578.013
Ba 389.178	40.8251b	ppb	0.6332	1.6	501.748
Be 313.042	0.0178b	ppb	0.0066	36.9	-59.7994
Ca 370.602	1613b	ppb	1.918	0.1	2242
Cd 226.502	0.5436b	ppb	0.1319	24.3	31.9615
Co 228.615	1.2969b	ppb	0.2285	17.6	5.2428
Cr 267.716	8.5715b	ppb	0.2015	2.4	278.210
Cu 324.754	3.0862b	ppb	0.1450	4.7	358.469
Fe 271.441	6742.99b	ppb	32.8776	0.5	6878.10
K 766.491	220.024b	ppb	0.9703	0.4	6980.07
Mg 279.078	187.175b	ppb	1.8708	1.0	315.535
Mn 257.610	151.186b	ppb	0.8352	0.6	7505.16
Mo 202.032	-0.0588b	ppb	0.3558	604.8	2.8149
Na 330.237	158677xb	ppb	519.974	0.3	5941.17
Ni 231.604	5.4455b	ppb	0.8535	15.7	10.7037
Pb 220.353	561.490b	ppb	2.3159	0.4	658.137
Sb 206.834	-0.4875b	ppb	1.8215	373.6	0.2350
Se 196.026	5.9597b	ppb	6.4648	108.5	3.7845
Sn 189.925	0.5518b	ppb	1.5769	285.8	-0.5193
Sr 216.596	8.3982b	ppb	0.2477	2.9	75.8996
Ti 334.941	0.0313b	ppb	0.0399	127.3	-17.6035
Tl 190.794	-3.2962b	ppb	3.1437	95.4	-3.3732
V 292.401	-0.0536b	ppb	0.1836	342.7	0.3740
Zn 206.200	848.920b	ppb	2.6771	0.3	702.424

680-85840-a-3-d (Samp) **12/20/2012, 10:41:16 PM** **Rack 2, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0574u	-0.2773u	-0.1785u
Al 308.215	14.6879	15.4711	17.3447
As 188.980	1.6229	-2.8378u	3.1304
B 249.678	31.8310	32.5361	32.4195
Ba 389.178	9.8542	8.8307	9.6336
Be 313.042	0.0153	0.0099	0.0237
Ca 370.602	2279	2292	2298
Cd 226.502	0.1311	0.0628	0.1552
Co 228.615	0.2214	0.5091	0.3496
Cr 267.716	0.4039	0.4479	0.4548
Cu 324.754	0.3643	0.6240	0.4025
Fe 271.441	109.118	107.208	110.775
K 766.491	180.719	181.850	182.869
Mg 279.078	199.791	199.802	198.109
Mn 257.610	16.6926	16.6017	16.5639
Mo 202.032	0.1587	0.1699	0.9043
Na 330.237	152582x	153254x	154155x
Ni 231.604	3.1085	2.6077	3.2246
Pb 220.353	0.9348	-4.0660u	0.6099
Sb 206.834	2.3762	-0.3566u	3.5421
Se 196.026	1.3314	2.4191	-3.2593u
Sn 189.925	-1.9715u	-2.9039u	-1.1174u
Sr 216.596	4.0347	3.4543	4.3416
Ti 334.941	-0.0880u	-0.0101u	-0.0346u
Tl 190.794	-10.4392u	-5.3837u	-0.3624u
V 292.401	-0.0424u	-0.2261u	0.0787
Zn 206.200	1691.82	1689.82	1697.71

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1710b	ppb	0.1101	64.4	-15.0084
Al 308.215	15.8346b	ppb	1.3652	8.6	71.9122
As 188.980	0.6385b	ppb	3.1035	486.1	0.1822
B 249.678	32.2622b	ppb	0.3779	1.2	382.102
Ba 389.178	9.4395b	ppb	0.5386	5.7	108.323
Be 313.042	0.0163b	ppb	0.0070	42.7	-60.6163
Ca 370.602	2290b	ppb	9.808	0.4	5704
Cd 226.502	0.1164b	ppb	0.0479	41.2	4.5150
Co 228.615	0.3601b	ppb	0.1441	40.0	-3.1639
Cr 267.716	0.4355b	ppb	0.0276	6.3	27.7408
Cu 324.754	0.4636b	ppb	0.1402	30.3	225.547
Fe 271.441	109.033b	ppb	1.7850	1.6	95.7129
K 766.491	181.813b	ppb	1.0757	0.6	5799.43
Mg 279.078	199.234b	ppb	0.9739	0.5	336.083
Mn 257.610	16.6194b	ppb	0.0661	0.4	840.260
Mo 202.032	0.4109b	ppb	0.4273	104.0	5.5684
Na 330.237	153330xb	ppb	789.301	0.5	5738.17
Ni 231.604	2.9803b	ppb	0.3278	11.0	5.1325
Pb 220.353	-0.8404b	ppb	2.7982	332.9	1.0592
Sb 206.834	1.8539b	ppb	2.0012	107.9	2.7134
Se 196.026	0.1637b	ppb	3.0139	1840.6	1.9445
Sn 189.925	-1.9976b	ppb	0.8935	44.7	-2.0756
Sr 216.596	3.9436b	ppb	0.4506	11.4	30.5099
Ti 334.941	-0.0443b	ppb	0.0399	90.1	-24.2117
Tl 190.794	-5.3951b	ppb	5.0384	93.4	-3.9841
V 292.401	-0.0633b	ppb	0.1535	242.5	-1.3759
Zn 206.200	1693.12b	ppb	4.1046	0.2	1399.95

680-85840-a-4-d (Samp) **12/20/2012, 10:47:43 PM** **Rack 2, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0353u	-0.1035u	-0.1733u
Al 308.215	3.7962	3.8558	3.2474
As 188.980	-3.0825u	-1.1389u	5.1366
B 249.678	343.051	344.236	345.369
Ba 389.178	6.6367	7.6694	6.5306
Be 313.042	0.0110	0.0038u	0.0138
Ca 370.602	16909	16968	16850
Cd 226.502	2.6293	2.6040	2.6731
Co 228.615	0.4311	0.7549	-0.3568u
Cr 267.716	0.2351	0.2242	0.1459
Cu 324.754	15.1623	14.6394	14.4389
Fe 271.441	29.0413	27.5793	23.6826
K 766.491	1447.90	1450.27	1445.42
Mg 279.078	5429.33	5459.53	5451.97
Mn 257.610	36.1547	36.1560	36.5788
Mo 202.032	8.0447	8.1580	7.9872
Na 330.237	128556x	128879x	128200x
Ni 231.604	8.6050	8.8759	8.0318
Pb 220.353	4.9855	4.9339	1.1843
Sb 206.834	-0.1079u	2.5856	-0.5554u
Se 196.026	6.3150	8.1872	9.8606
Sn 189.925	-0.4147u	-1.3855u	0.7280
Sr 216.596	62.6586	62.7586	62.8283
Ti 334.941	0.0537	-0.0219u	0.0907
Tl 190.794	-3.5500u	-2.5041u	-1.4545u
V 292.401	0.4371	0.4443	0.1784
Zn 206.200	58.7946	61.0298	60.0635

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1040b	ppb	0.0690	66.3	-12.7866
Al 308.215	3.6331b	ppb	0.3354	9.2	33.5928
As 188.980	0.3051b	ppb	4.2956	1408.1	0.0113
B 249.678	344.219b	ppb	1.1592	0.3	3669.87
Ba 389.178	6.9456b	ppb	0.6291	9.1	79.7846
Be 313.042	0.0095b	ppb	0.0051	53.9	-63.0262
Ca 370.602	16909b	ppb	58.94	0.3	42219
Cd 226.502	2.6355b	ppb	0.0349	1.3	81.4700
Co 228.615	0.2764b	ppb	0.5718	206.9	-4.0656
Cr 267.716	0.2017b	ppb	0.0487	24.1	20.3099
Cu 324.754	14.7469b	ppb	0.3735	2.5	949.663
Fe 271.441	26.7677b	ppb	2.7700	10.3	11.8673
K 766.491	1447.86b	ppb	2.4250	0.2	44917.3
Mg 279.078	5446.94b	ppb	15.7152	0.3	8979.21
Mn 257.610	36.2965b	ppb	0.2445	0.7	1819.39
Mo 202.032	8.0633b	ppb	0.0869	1.1	46.4517
Na 330.237	128545xb	ppb	339.426	0.3	4816.20
Ni 231.604	8.5042b	ppb	0.4310	5.1	17.3368
Pb 220.353	3.7012b	ppb	2.1799	58.9	6.3568
Sb 206.834	0.6408b	ppb	1.6991	265.2	1.2826
Se 196.026	8.1209b	ppb	1.7738	21.8	4.4477
Sn 189.925	-0.3574b	ppb	1.0579	296.0	-1.0761
Sr 216.596	62.7485b	ppb	0.0853	0.1	503.416
Ti 334.941	0.0409b	ppb	0.0574	140.4	-16.4550
Tl 190.794	-2.5029b	ppb	1.0478	41.9	-2.6493
V 292.401	0.3533b	ppb	0.1515	42.9	3.8808
Zn 206.200	59.9626b	ppb	1.1210	1.9	50.6493

680-85840-a-6-d (Samp) **12/20/2012, 10:54:10 PM** **Rack 2, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4609	0.0747	0.3814
Al 308.215	21.1472	19.7960	20.5399
As 188.980	3.3162	2.8228	-0.5649u
B 249.678	273.870	273.518	273.364
Ba 389.178	19.1335	19.8205	19.7754
Be 313.042	0.0042u	0.0176	0.0227
Ca 370.602	7559	7558	7578
Cd 226.502	0.0410	0.1142	0.0030u
Co 228.615	0.3560	0.2413	0.1613
Cr 267.716	0.5242	0.8327	0.8307
Cu 324.754	0.7155	0.4952	0.5592
Fe 271.441	15.4957	19.7716	16.4006
K 766.491	314.691	313.387	314.283
Mg 279.078	721.879	722.695	723.559
Mn 257.610	19.7745	19.7040	19.4453
Mo 202.032	5.4450	4.7543	4.8854
Na 330.237	153850x	152883x	153183x
Ni 231.604	-0.7415u	1.1488	0.4909
Pb 220.353	0.5954	0.6119	0.3637
Sb 206.834	2.5173	3.4786	0.0059u
Se 196.026	2.3260	8.1744	-2.3863u
Sn 189.925	-0.2393u	-0.1430u	-1.6708u
Sr 216.596	7.7006	7.3619	6.7152
Ti 334.941	0.1297	0.2013	0.1626
Tl 190.794	-4.3753u	-3.3053u	-3.0007u
V 292.401	0.0763u	-0.0705u	-0.1624u
Zn 206.200	2007.45	2009.64	2020.35

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3057b	ppb	0.2039	66.7	3.7017
Al 308.215	20.4944b	ppb	0.6768	3.3	86.6601
As 188.980	1.8580b	ppb	2.1128	113.7	0.8003
B 249.678	273.584b	ppb	0.2594	0.1	2925.45
Ba 389.178	19.5765b	ppb	0.3843	2.0	234.959
Be 313.042	0.0148b	ppb	0.0095	64.3	-60.7678
Ca 370.602	7565b	ppb	11.15	0.1	18896
Cd 226.502	0.0527b	ppb	0.0565	107.2	2.7566
Co 228.615	0.2528b	ppb	0.0979	38.7	-4.2059
Cr 267.716	0.7292b	ppb	0.1775	24.3	36.7057
Cu 324.754	0.5899b	ppb	0.1133	19.2	232.040
Fe 271.441	17.2226b	ppb	2.2534	13.1	1.9556
K 766.491	314.121b	ppb	0.6671	0.2	9887.42
Mg 279.078	722.711b	ppb	0.8400	0.1	1198.25
Mn 257.610	19.6412b	ppb	0.1733	0.9	990.328
Mo 202.032	5.0283b	ppb	0.3668	7.3	30.2387
Na 330.237	153305xb	ppb	494.927	0.3	5735.79
Ni 231.604	0.2994b	ppb	0.9596	320.5	-0.7148
Pb 220.353	0.5237b	ppb	0.1388	26.5	2.6453
Sb 206.834	2.0006b	ppb	1.7931	89.6	2.8319
Se 196.026	2.7047b	ppb	5.2905	195.6	2.7437
Sn 189.925	-0.6844b	ppb	0.8557	125.0	-1.2726
Sr 216.596	7.2592b	ppb	0.5006	6.9	57.3584
Ti 334.941	0.1646b	ppb	0.0358	21.8	-6.6183
Tl 190.794	-3.5604b	ppb	0.7219	20.3	-3.1394
V 292.401	-0.0522b	ppb	0.1204	230.6	-2.1852
Zn 206.200	2012.48b	ppb	6.9021	0.3	1663.82

680-85841-a-1-e (Samp) **12/20/2012, 11:00:37 PM** **Rack 2, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1633	-0.1810u	0.1226
Al 308.215	5.4588	6.1790	7.7127
As 188.980	-0.2440u	-1.0363u	1.1754
B 249.678	70.1827	69.0125	68.8336
Ba 389.178	59.3493	59.1390	59.9667
Be 313.042	0.0739	0.0860	0.0817
Ca 370.602	11978	11970	12009
Cd 226.502	0.0865	0.4028	0.2567
Co 228.615	2.6227	2.7032	1.9549
Cr 267.716	0.2207	0.4160	0.0893
Cu 324.754	2.1887	2.0484	1.6998
Fe 271.441	12.3615	20.9891	19.7928
K 766.491	2105.25	2105.96	2105.17
Mg 279.078	6027.48	6003.69	6004.18
Mn 257.610	34.1632	33.8597	33.7141
Mo 202.032	0.8890	0.5741	1.1238
Na 330.237	153526x	153093x	153029x
Ni 231.604	3.0543	5.4073	4.0430
Pb 220.353	1.8396	-0.7273u	-0.8192u
Sb 206.834	-0.4456u	-0.0727u	2.3169
Se 196.026	3.0003	5.2451	11.5105
Sn 189.925	2.6995	0.1002	0.4725
Sr 216.596	38.8520	38.2448	38.8583
Ti 334.941	0.0089u	0.0485	0.0798
Tl 190.794	-0.6505u	-0.8822u	-3.7146u
V 292.401	0.2513	0.2560	0.5948
Zn 206.200	30.7161	29.7957	29.0488

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0350b	ppb	0.1882	538.1	-7.1748
Al 308.215	6.4502b	ppb	1.1512	17.8	42.3695
As 188.980	-0.0350b	ppb	1.1206	3206.1	-0.1598
B 249.678	69.3429b	ppb	0.7327	1.1	772.949
Ba 389.178	59.4850b	ppb	0.4302	0.7	737.654
Be 313.042	0.0806b	ppb	0.0061	7.6	9.1951
Ca 370.602	11986b	ppb	20.47	0.2	29932
Cd 226.502	0.2487b	ppb	0.1583	63.7	9.0175
Co 228.615	2.4269b	ppb	0.4108	16.9	14.8465
Cr 267.716	0.2420b	ppb	0.1644	67.9	21.8142
Cu 324.754	1.9789b	ppb	0.2517	12.7	302.365
Fe 271.441	17.7145b	ppb	4.6742	26.4	2.6418
K 766.491	2105.46b	ppb	0.4347	0.0	65235.6
Mg 279.078	6011.78b	ppb	13.5972	0.2	9909.55
Mn 257.610	33.9124b	ppb	0.2291	0.7	1701.84
Mo 202.032	0.8623b	ppb	0.2758	32.0	7.9827
Na 330.237	153216xb	ppb	270.103	0.2	5741.16
Ni 231.604	4.1682b	ppb	1.1815	28.3	7.8769
Pb 220.353	0.0977b	ppb	1.5092	1545.0	2.1545
Sb 206.834	0.5995b	ppb	1.4989	250.0	1.3043
Se 196.026	6.5853b	ppb	4.4105	67.0	3.9646
Sn 189.925	1.0907b	ppb	1.4056	128.9	-0.1881
Sr 216.596	38.6517b	ppb	0.3524	0.9	309.732
Ti 334.941	0.0457b	ppb	0.0355	77.6	-16.5507
Tl 190.794	-1.7491b	ppb	1.7061	97.5	-2.2981
V 292.401	0.3674b	ppb	0.1970	53.6	5.1685
Zn 206.200	29.8535b	ppb	0.8351	2.8	25.7805

680-85863-d-1-b (Samp) **12/20/2012, 11:07:04 PM** **Rack 2, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3820u	-0.1176u	0.0559
Al 308.215	13.3444	15.5713	11.8664
As 188.980	-3.9695u	-0.1745u	-3.7967u
B 249.678	347.265	349.231	352.982
Ba 389.178	41.9800	41.7363	41.4479
Be 313.042	0.1480	0.1405	0.1332
Ca 370.602	6851	6849	6854
Cd 226.502	0.1557	0.1789	0.1145
Co 228.615	2.2503	2.8835	1.9634
Cr 267.716	3.0807	3.1129	3.4692
Cu 324.754	3.1925	3.2696	3.4447
Fe 271.441	12070.7	12056.0	12044.9
K 766.491	1113.37	1113.83	1116.41
Mg 279.078	2013.89	2019.04	2028.26
Mn 257.610	286.969	287.144	292.866
Mo 202.032	-0.0408u	0.1920	0.3260
Na 330.237	160275x	160704x	160965x
Ni 231.604	13.6655	15.0473	14.1031
Pb 220.353	-0.5011u	0.9762	-0.8195u
Sb 206.834	-3.0186u	0.8565	0.3289
Se 196.026	0.8938	-5.5194u	-6.2680u
Sn 189.925	-0.9794u	-2.0615u	-0.8725u
Sr 216.596	23.8770	24.2061	25.1811
Ti 334.941	0.0667	0.0310u	0.0364
Tl 190.794	2.2313	2.3980	-0.4215u
V 292.401	-0.1466u	0.0256	0.0665
Zn 206.200	814.778	812.015	812.683

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1479b	ppb	0.2205	149.1	-16.1301
Al 308.215	13.5940b	ppb	1.8651	13.7	64.8615
As 188.980	-2.6469b	ppb	2.1429	81.0	-1.4856
B 249.678	349.826b	ppb	2.9045	0.8	3722.82
Ba 389.178	41.7214b	ppb	0.2663	0.6	514.598
Be 313.042	0.1406b	ppb	0.0074	5.2	71.5086
Ca 370.602	6851b	ppb	2.348	0.0	13903
Cd 226.502	0.1497b	ppb	0.0326	21.8	32.1045
Co 228.615	2.3658b	ppb	0.4708	19.9	14.7424
Cr 267.716	3.2209b	ppb	0.2156	6.7	115.603
Cu 324.754	3.3023b	ppb	0.1292	3.9	369.429
Fe 271.441	12057.2b	ppb	12.9681	0.1	12311.3
K 766.491	1114.54b	ppb	1.6383	0.1	34618.5
Mg 279.078	2020.40b	ppb	7.2778	0.4	3334.16
Mn 257.610	288.993b	ppb	3.3554	1.2	14331.5
Mo 202.032	0.1591b	ppb	0.1856	116.7	3.7803
Na 330.237	160648xb	ppb	348.140	0.2	6014.20
Ni 231.604	14.2720b	ppb	0.7062	4.9	30.1860
Pb 220.353	-0.1148b	ppb	0.9582	834.6	2.1922
Sb 206.834	-0.6111b	ppb	2.1016	343.9	0.1451
Se 196.026	-3.6312b	ppb	3.9366	108.4	0.7803
Sn 189.925	-1.3044b	ppb	0.6578	50.4	-1.6500
Sr 216.596	24.4214b	ppb	0.6782	2.8	212.379
Ti 334.941	0.0447b	ppb	0.0192	43.0	-16.3897
Tl 190.794	1.4026b	ppb	1.5819	112.8	-1.4879
V 292.401	-0.0181b	ppb	0.1131	624.0	1.8461
Zn 206.200	813.159b	ppb	1.4418	0.2	672.937

lb 680-260225/12-f (Samp) **12/20/2012, 11:13:32 PM** **Rack 2, Tube 24**

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

Label	Replicates Concentration		
Ag 328.068	0.0477	-0.2827u	-0.2703u
Al 308.215	3.8885	4.3859	4.9162
As 188.980	-0.5587u	-1.0148u	4.8857
B 249.678	11.1400	10.7955	11.0044
Ba 389.178	1.1171	0.3996	0.3926
Be 313.042	0.0083u	0.0140	0.0113
Ca 370.602	105.9	104.7	108.4
Cd 226.502	0.0524	0.1462	0.3218
Co 228.615	0.0669	-0.0673u	0.1072
Cr 267.716	0.0632	0.0260	0.0729
Cu 324.754	0.7919	0.7517	0.7265
Fe 271.441	2.4347	-0.1962u	9.4334
K 766.491	37.2383	36.5269	37.1559
Mg 279.078	21.0020	22.5786	23.6859
Mn 257.610	0.2188	0.2048	0.2583
Mo 202.032	0.6221	0.3823	0.3427
Na 330.237	149596x	150561x	148932x
Ni 231.604	-1.6349u	0.0138	-0.2124u
Pb 220.353	-0.3995u	0.7621	1.6070
Sb 206.834	1.1651	1.6228	1.0001
Se 196.026	0.5583	-6.0109u	9.0284
Sn 189.925	-1.0731u	3.6719	2.1719
Sr 216.596	0.7101	0.3239	0.8286
Ti 334.941	-0.0140u	0.0990	-0.0315u
Tl 190.794	3.1092	5.7158	1.8744
V 292.401	-0.1824u	-0.2274u	-0.0502u
Zn 206.200	5.3393	6.5672	5.7206

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1684b	ppb	0.1873	111.2	-14.8647
Al 308.215	4.3969b	ppb	0.5139	11.7	35.8763
As 188.980	1.1041b	ppb	3.2829	297.3	0.4185
B 249.678	10.9800b	ppb	0.1736	1.6	157.862
Ba 389.178	0.6365b	ppb	0.4163	65.4	-1.6889
Be 313.042	0.0112b	ppb	0.0029	25.5	-66.3785
Ca 370.602	106.4b	ppb	1.881	1.8	281.1
Cd 226.502	0.1735b	ppb	0.1368	78.8	5.8652
Co 228.615	0.0356b	ppb	0.0914	256.6	-6.0035
Cr 267.716	0.0540b	ppb	0.0248	45.9	16.0231
Cu 324.754	0.7567b	ppb	0.0330	4.4	240.408
Fe 271.441	3.8906b	ppb	4.9772	127.9	-11.8429
K 766.491	36.9737b	ppb	0.3891	1.1	1324.25
Mg 279.078	22.4221b	ppb	1.3488	6.0	44.9987
Mn 257.610	0.2273b	ppb	0.0278	12.2	28.5300
Mo 202.032	0.4490b	ppb	0.1512	33.7	5.7757
Na 330.237	149696xb	ppb	818.814	0.5	5609.54
Ni 231.604	-0.6111b	ppb	0.8938	146.2	-2.7236
Pb 220.353	0.6565b	ppb	1.0074	153.4	2.8037
Sb 206.834	1.2627b	ppb	0.3226	25.5	2.0480
Se 196.026	1.1919b	ppb	7.5397	632.6	2.2677
Sn 189.925	1.5902b	ppb	2.4254	152.5	0.1119
Sr 216.596	0.6209b	ppb	0.2639	42.5	3.6616
Ti 334.941	0.0179b	ppb	0.0708	396.7	-18.9094
Tl 190.794	3.5664b	ppb	1.9611	55.0	0.1188
V 292.401	-0.1533b	ppb	0.0921	60.1	-2.7510
Zn 206.200	5.8757b	ppb	0.6285	10.7	5.8754

600-65667-m-1-a (Samp) **12/20/2012, 11:32:52 PM** **Rack 2, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1696u	0.2003	-0.0661u
Al 308.215	0.1362	0.5508	1.3881
As 188.980	3.0566	1.4566	2.1363
B 249.678	15.7993	15.3459	14.7818
Ba 389.178	13.2412	13.7663	13.0284
Be 313.042	-0.0005u	0.0080	-0.0014u
Ca 370.602	1999	2016	2008
Cd 226.502	0.1711	-0.0016	0.0307
Co 228.615	0.2703	-0.3646u	-0.0576u
Cr 267.716	-0.1055u	0.1305	0.0211
Cu 324.754	0.4111	0.0430	0.7401
Fe 271.441	7.0343	14.2999	9.9222
K 766.491	125.977	127.203	127.006
Mg 279.078	438.918	450.080	446.642
Mn 257.610	5.7457	5.8750	5.9253
Mo 202.032	0.4543	0.7008	0.3188
Na 330.237	10754.4	10618.8	10712.1
Ni 231.604	1.4080	0.4960	-0.2759u
Pb 220.353	-0.9966u	-1.5461u	0.1527
Sb 206.834	2.3933	-0.5295u	1.3205
Se 196.026	-0.2587u	-0.9981u	-2.3877u
Sn 189.925	-2.0575u	-3.0424u	1.3614
Sr 216.596	25.4322	25.5554	25.6332
Ti 334.941	0.0345	0.0082	0.1324
Tl 190.794	1.5903	0.3906	-4.1935u
V 292.401	0.2389	0.0911	-0.0541u
Zn 206.200	-0.0967u	-0.0771u	-0.4114u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0118	ppb	0.1909	1620.2	-8.8728
Al 308.215	0.6917	ppb	0.6377	92.2	24.2156
As 188.980	2.2165	ppb	0.8030	36.2	0.9832
B 249.678	15.3090	ppb	0.5097	3.3	203.484
Ba 389.178	13.3453	ppb	0.3798	2.8	157.367
Be 313.042	0.0020	ppb	0.0052	258.5	-67.1467
Ca 370.602	2008	ppb	8.645	0.4	5026
Cd 226.502	0.0667	ppb	0.0918	137.5	3.3856
Co 228.615	-0.0506	ppb	0.3175	627.3	-6.7558
Cr 267.716	0.0154	ppb	0.1181	768.9	13.3484
Cu 324.754	0.3981	ppb	0.3487	87.6	222.232
Fe 271.441	10.4188	ppb	3.6582	35.1	-5.1299
K 766.491	126.729	ppb	0.6583	0.5	4097.47
Mg 279.078	445.213	ppb	5.7167	1.3	741.315
Mn 257.610	5.8487	ppb	0.0926	1.6	307.383
Mo 202.032	0.4913	ppb	0.1937	39.4	6.0011
Na 330.237	10695.1	ppb	69.3575	0.6	398.857
Ni 231.604	0.5427	ppb	0.8429	155.3	-0.1910
Pb 220.353	-0.7967	ppb	0.8669	108.8	1.1069
Sb 206.834	1.0614	ppb	1.4785	139.3	1.8213
Se 196.026	-1.2148	ppb	1.0809	89.0	1.5105
Sn 189.925	-1.2462	ppb	2.3113	185.5	-1.6523
Sr 216.596	25.5403	ppb	0.1014	0.4	203.962
Ti 334.941	0.0584	ppb	0.0654	112.1	-12.4044
Tl 190.794	-0.7376	ppb	3.0525	413.9	-1.8501
V 292.401	0.0920	ppb	0.1465	159.3	2.0219
Zn 206.200	-0.1951	ppb	0.1876	96.2	-0.8664

600-65666-m-1-a (Samp) **12/20/2012, 11:39:19 PM** **Rack 2, Tube 28**

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

Label	Replicates Concentration		
Ag 328.068	-0.5784u	-0.2554u	-0.0285u
Al 308.215	1.6464	5.3785	3.2416
As 188.980	-0.8261u	1.4308	-1.3335u
B 249.678	16.5110	16.2828	16.3080
Ba 389.178	17.8989	18.4623	17.9658
Be 313.042	0.0012	-0.0028u	0.0014
Ca 370.602	1297	1306	1305
Cd 226.502	-0.0161u	0.0189	0.0993
Co 228.615	0.2984	0.1859	-0.0650u
Cr 267.716	-0.0422u	0.0574	0.0788
Cu 324.754	0.2567	0.6763	0.6674
Fe 271.441	3.0862	1.5164	7.5233
K 766.491	134.645	136.458	135.221
Mg 279.078	356.471	361.510	357.742
Mn 257.610	4.6625	4.5456	4.5526
Mo 202.032	0.4598	0.5633	0.4541
Na 330.237	12737.8	13229.1	12943.2
Ni 231.604	0.5283	0.2814	0.6835
Pb 220.353	0.9401	-1.0635u	0.8649
Sb 206.834	2.3393	0.2590	0.8451
Se 196.026	-1.8541u	-2.1163u	3.2611
Sn 189.925	-0.2820u	0.6054	1.3271
Sr 216.596	29.6951	29.9815	30.0944
Ti 334.941	0.0143	-0.0412u	-0.0433u
Tl 190.794	-1.4363u	-1.0069u	-1.1209u
V 292.401	-0.2478u	0.0436	-0.1571u
Zn 206.200	3.8497	5.1302	2.5697

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2874	ppb	0.2764	96.1	-19.7299
Al 308.215	3.4222	ppb	1.8726	54.7	32.8089
As 188.980	-0.2430	ppb	1.4715	605.7	-0.2654
B 249.678	16.3673	ppb	0.1251	0.8	214.639
Ba 389.178	18.1090	ppb	0.3078	1.7	216.935
Be 313.042	-0.0001	ppb	0.0024	2879.3	-69.6638
Ca 370.602	1302	ppb	4.988	0.4	3266
Cd 226.502	0.0340	ppb	0.0592	173.9	2.3308
Co 228.615	0.1398	ppb	0.1860	133.1	-5.0966
Cr 267.716	0.0313	ppb	0.0646	206.0	13.8622
Cu 324.754	0.5335	ppb	0.2397	44.9	229.096
Fe 271.441	4.0420	ppb	3.1154	77.1	-11.6595
K 766.491	135.441	ppb	0.9262	0.7	4366.66
Mg 279.078	358.574	ppb	2.6206	0.7	598.624
Mn 257.610	4.5869	ppb	0.0656	1.4	244.828
Mo 202.032	0.4924	ppb	0.0615	12.5	6.0073
Na 330.237	12970.1	ppb	246.771	1.9	484.124
Ni 231.604	0.4977	ppb	0.2027	40.7	-0.2913
Pb 220.353	0.2472	ppb	1.1357	459.5	2.3260
Sb 206.834	1.1478	ppb	1.0727	93.5	1.9181
Se 196.026	-0.2365	ppb	3.0318	1282.2	1.8183
Sn 189.925	0.5502	ppb	0.8060	146.5	-0.5560
Sr 216.596	29.9237	ppb	0.2058	0.7	239.141
Ti 334.941	-0.0234	ppb	0.0326	139.5	-19.3521
Tl 190.794	-1.1880	ppb	0.2224	18.7	-2.0568
V 292.401	-0.1204	ppb	0.1491	123.8	-1.6473
Zn 206.200	3.8499	ppb	1.2803	33.3	-4.2071

680-85830-h-1-a (Samp) **12/20/2012, 11:45:45 PM** **Rack 2, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-3.0153u	-3.9363u	-3.2295u
Al 308.215	7231.25	7222.52	7150.91
As 188.980	20.8905	18.3390	21.3810
B 249.678	-121.164u	-118.902u	-117.564u
Ba 389.178	-11.1896	-10.7617	-10.9335
Be 313.042	7.5119	7.5026	7.5018
Ca 370.602	386859	383642	384579
Cd 226.502	8.2017	8.5929	9.8247
Co 228.615	1609.12	1602.81	1602.08
Cr 267.716	0.8234	0.8762	0.5919
Cu 324.754	3.1266	2.9118	3.2836
Fe 271.441	570026	569442	568230
K 766.491	24222.9	24090.8	24096.9
Mg 279.078	146554	146535	147143
Mn 257.610	66534.8x	66481.1x	67541.5x
Mo 202.032	1.3692u	1.5483u	1.4605u
Na 330.237	93442.9x	93666.7x	93526.3x
Ni 231.604	226.054	224.200	226.812
Pb 220.353	-15.5118	-13.5924	-10.2385
Sb 206.834	3.1768	4.5542	2.1873
Se 196.026	53.6380	37.2806	41.2015
Sn 189.925	4.0382	4.6837	6.9300
Sr 216.596	1234.82	1234.70	1241.75
Ti 334.941	0.7957	0.8029	0.6918
Tl 190.794	62.4372	67.9035	64.7416
V 292.401	16.5533	16.5002	16.3811
Zn 206.200	310.880	310.058	313.994

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.3937b	ppb	0.4819	14.2	-240.796
Al 308.215	7201.56b	ppb	44.0788	0.6	22712.3
As 188.980	20.2035b	ppb	1.6332	8.1	10.1150
B 249.678	-119.210b	ppb	1.8198	1.5	-1505.98
Ba 389.178	-10.9616b	ppb	0.2153	2.0	8.6039
Be 313.042	7.5054b	ppb	0.0056	0.1	7915.78
Ca 370.602	385027b	ppb	1654	0.4	810199
Cd 226.502	8.8731b	ppb	0.8470	9.5	1552.34
Co 228.615	1604.67b	ppb	3.8708	0.2	14009.0
Cr 267.716	0.7638b	ppb	0.1512	19.8	157.921
Cu 324.754	3.1074b	ppb	0.1866	6.0	359.336
Fe 271.441	569233b	ppb	915.840	0.2	582058
K 766.491	24136.9b	ppb	74.5758	0.3	745954
Mg 279.078	146744b	ppb	345.552	0.2	241199
Mn 257.610	66852.5xb	ppb	597.353	0.9	3310038
Mo 202.032	1.4593b	ppb	0.0895	6.1	-9.8197
Na 330.237	93545.3xb	ppb	113.138	0.1	3394.20
Ni 231.604	225.689b	ppb	1.3441	0.6	511.613
Pb 220.353	-13.1143b	ppb	2.6690	20.4	6.4767
Sb 206.834	3.3061b	ppb	1.1887	36.0	12.6784
Se 196.026	44.0400b	ppb	8.5402	19.4	17.1707
Sn 189.925	5.2173b	ppb	1.5179	29.1	2.4084
Sr 216.596	1237.09b	ppb	4.0368	0.3	10786.5
Ti 334.941	0.7635b	ppb	0.0622	8.1	67.1401
Tl 190.794	65.0274b	ppb	2.7443	4.2	24.3330
V 292.401	16.4782b	ppb	0.0882	0.5	333.751
Zn 206.200	311.644b	ppb	2.0764	0.7	262.206

680-85830-h-1-b ms (Samp) **12/20/2012, 11:52:12 PM** **Rack 2, Tube 30**

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

Label	Replicates Concentration		
Ag 328.068	43.6924	44.0936	43.9455
Al 308.215	11899.8	11908.8	11990.8
As 188.980	122.614	122.939	128.101
B 249.678	69.1884	69.6027	67.5070
Ba 389.178	75.1457	75.2897	73.6090
Be 313.042	52.8334	52.7524	52.7791
Ca 370.602	383407	384131	384817
Cd 226.502	52.5086	52.3448	52.1765
Co 228.615	1630.53	1640.88	1627.01
Cr 267.716	89.5589	89.3746	89.4506
Cu 324.754	101.080	100.360	100.675
Fe 271.441	565424	565288	565753
K 766.491	29901.0	29876.4	29922.4
Mg 279.078	149791	149728	149651
Mn 257.610	67093.0x	66610.6x	66335.3x
Mo 202.032	87.4960	87.3722	87.4925
Na 330.237	98110.0x	97423.3x	97920.3x
Ni 231.604	310.298	310.449	310.541
Pb 220.353	38.0432	29.4988	29.7541
Sb 206.834	48.9545	50.3974	55.5783
Se 196.026	130.292	138.542	138.601
Sn 189.925	88.9034	93.6345	88.8997
Sr 216.596	1308.89	1308.49	1305.29
Ti 334.941	91.3285	90.9768	90.5434
Tl 190.794	84.9060	90.1273	87.3468
V 292.401	104.117	104.587	105.136
Zn 206.200	396.559	396.539	397.746

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	43.9105b	ppb	0.2029	0.5	1617.72
Al 308.215	11933.1b	ppb	50.1263	0.4	37624.4
As 188.980	124.552b	ppb	3.0785	2.5	63.0691
B 249.678	68.7660b	ppb	1.1099	1.6	476.732
Ba 389.178	74.6815b	ppb	0.9316	1.2	1081.72
Be 313.042	52.7883b	ppb	0.0413	0.1	55831.1
Ca 370.602	384118b	ppb	705.2	0.2	808764
Cd 226.502	52.3433b	ppb	0.1660	0.3	2857.22
Co 228.615	1632.81b	ppb	7.2094	0.4	14253.9
Cr 267.716	89.4614b	ppb	0.0926	0.1	2871.29
Cu 324.754	100.705b	ppb	0.3609	0.4	5308.26
Fe 271.441	565488b	ppb	239.064	0.0	578232
K 766.491	29899.9b	ppb	23.0006	0.1	924017
Mg 279.078	149723b	ppb	70.3771	0.0	246109
Mn 257.610	66679.6xb	ppb	383.542	0.6	3301483
Mo 202.032	87.4536b	ppb	0.0705	0.1	449.745
Na 330.237	97817.9xb	ppb	354.598	0.4	3554.13
Ni 231.604	310.429b	ppb	0.1225	0.0	696.761
Pb 220.353	32.4320b	ppb	4.8611	15.0	59.2644
Sb 206.834	51.6434b	ppb	3.4832	6.7	66.2636
Se 196.026	135.811b	ppb	4.7800	3.5	46.0357
Sn 189.925	90.4792b	ppb	2.7325	3.0	54.4319
Sr 216.596	1307.56b	ppb	1.9688	0.2	11344.3
Ti 334.941	90.9496b	ppb	0.3932	0.4	7671.94
Tl 190.794	87.4600b	ppb	2.6125	3.0	34.6428
V 292.401	104.613b	ppb	0.5104	0.5	1871.63
Zn 206.200	396.948b	ppb	0.6910	0.2	332.426

680-85830-h-1-c msd (Samp) **12/20/2012, 11:58:39 PM** **Rack 2, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	45.1531	45.6141	45.1279
Al 308.215	12031.4	12082.0	12122.4
As 188.980	120.618	122.680	116.411
B 249.678	69.1745	67.8353	64.1681
Ba 389.178	73.3121	74.0197	72.9477
Be 313.042	52.9613	53.0171	52.8959
Ca 370.602	383504	382530	385176
Cd 226.502	52.9184	52.0603	51.6968
Co 228.615	1631.82	1634.61	1627.33
Cr 267.716	89.6152	89.6766	89.1526
Cu 324.754	100.730	100.871	102.191
Fe 271.441	565550	565940	567104
K 766.491	30110.6	30110.5	30178.4
Mg 279.078	150391	150354	149941
Mn 257.610	66827.7x	66442.6x	66045.2x
Mo 202.032	86.7839	88.3842	87.9204
Na 330.237	98240.9x	98241.4x	98136.3x
Ni 231.604	312.005	313.479	311.330
Pb 220.353	33.6923	31.6689	29.9187
Sb 206.834	52.8736	50.7248	50.6795
Se 196.026	111.944	106.498	102.764
Sn 189.925	92.0002	95.7627	87.8423
Sr 216.596	1308.46	1310.00	1303.93
Ti 334.941	90.8664	90.3060	89.9264
Tl 190.794	85.4249	91.3629	88.4197
V 292.401	104.837	104.990	104.835
Zn 206.200	396.134	396.795	403.842

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	45.2984b	ppb	0.2737	0.6	1672.36
Al 308.215	12078.6b	ppb	45.5648	0.4	38082.8
As 188.980	119.903b	ppb	3.1951	2.7	60.7092
B 249.678	67.0593b	ppb	2.5919	3.9	459.079
Ba 389.178	73.4265b	ppb	0.5451	0.7	1066.60
Be 313.042	52.9581b	ppb	0.0607	0.1	56010.4
Ca 370.602	383737b	ppb	1338	0.3	807988
Cd 226.502	52.2252b	ppb	0.6272	1.2	2852.11
Co 228.615	1631.25b	ppb	3.6747	0.2	14240.3
Cr 267.716	89.4815b	ppb	0.2865	0.3	2871.77
Cu 324.754	101.264b	ppb	0.8061	0.8	5336.59
Fe 271.441	566198b	ppb	808.632	0.1	578958
K 766.491	30133.2b	ppb	39.1736	0.1	931224
Mg 279.078	150228b	ppb	249.926	0.2	246940
Mn 257.610	66438.5xb	ppb	391.278	0.6	3289546
Mo 202.032	87.6962b	ppb	0.8234	0.9	451.066
Na 330.237	98206.2xb	ppb	60.5322	0.1	3568.77
Ni 231.604	312.272b	ppb	1.0993	0.4	700.787
Pb 220.353	31.7600b	ppb	1.8884	5.9	58.4739
Sb 206.834	51.4260b	ppb	1.2539	2.4	66.0147
Se 196.026	107.068b	ppb	4.6166	4.3	36.9910
Sn 189.925	91.8684b	ppb	3.9618	4.3	55.2791
Sr 216.596	1307.46b	ppb	3.1541	0.2	11342.5
Ti 334.941	90.3662b	ppb	0.4729	0.5	7622.73
Tl 190.794	88.4025b	ppb	2.9691	3.4	35.1451
V 292.401	104.887b	ppb	0.0888	0.1	1876.38
Zn 206.200	398.924b	ppb	4.2726	1.1	334.066

680-85830-h-1-a (Samp) **12/21/2012, 12:05:05 AM** **Rack 2, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4803u	-0.5188u	-0.4382u
Al 308.215	761.261	761.430	748.965
As 188.980	5.7360	3.6913	2.7095
B 249.678	-12.6364u	-13.6774u	-13.0891u
Ba 389.178	-3.5584u	-3.7628u	-4.1494u
Be 313.042	0.8824	0.8843	0.8760
Ca 370.602	44432	44402	44235
Cd 226.502	0.2696	0.4323	0.3385
Co 228.615	190.155	188.414	189.842
Cr 267.716	-0.1118	0.0863	0.1275
Cu 324.754	0.7228	0.5755	0.7376
Fe 271.441	68375.7	68415.2	68289.1
K 766.491	2104.22	2101.12	2098.55
Mg 279.078	16853.6	16841.0	16904.8
Mn 257.610	9655.29	9685.45	9862.31
Mo 202.032	0.4462u	0.0267u	0.2719u
Na 330.237	9112.72	9052.27	9006.26
Ni 231.604	27.0629	26.5437	28.0134
Pb 220.353	-2.9111u	-3.6236u	-3.2933u
Sb 206.834	-0.5762	0.7969	2.3158
Se 196.026	7.9596	6.7024	-0.4208
Sn 189.925	-1.1088u	2.5329	-0.2095u
Sr 216.596	146.333	146.584	146.609
Ti 334.941	0.2550	0.1745	0.2240
Tl 190.794	7.5458	9.4930	4.8416
V 292.401	1.8236	1.7352	1.7405
Zn 206.200	37.4183	37.0265	37.5466

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4791	ppb	0.0403	8.4	-38.9300
Al 308.215	757.218	ppb	7.1485	0.9	2407.82
As 188.980	4.0456	ppb	1.5441	38.2	1.9119
B 249.678	-13.1343	ppb	0.5220	4.0	-131.234
Ba 389.178	-3.8235	ppb	0.3001	7.8	-39.3205
Be 313.042	0.8809	ppb	0.0043	0.5	867.816
Ca 370.602	44356	ppb	106.2	0.2	92709
Cd 226.502	0.3468	ppb	0.0817	23.5	165.393
Co 228.615	189.470	ppb	0.9284	0.5	1648.57
Cr 267.716	0.0340	ppb	0.1280	376.6	28.3737
Cu 324.754	0.6786	ppb	0.0896	13.2	236.424
Fe 271.441	68360.0	ppb	64.4692	0.1	69886.0
K 766.491	2101.29	ppb	2.8372	0.1	65106.8
Mg 279.078	16866.5	ppb	33.8165	0.2	27709.4
Mn 257.610	9734.35	ppb	111.838	1.1	481977
Mo 202.032	0.2483	ppb	0.2107	84.9	2.1862
Na 330.237	9057.08	ppb	53.3935	0.6	324.264
Ni 231.604	27.2066	ppb	0.7453	2.7	60.4203
Pb 220.353	-3.2760	ppb	0.3565	10.9	0.8632
Sb 206.834	0.8455	ppb	1.4466	171.1	2.5823
Se 196.026	4.7471	ppb	4.5194	95.2	3.5566
Sn 189.925	0.4049	ppb	1.8970	468.6	-0.6348
Sr 216.596	146.509	ppb	0.1525	0.1	1277.36
Ti 334.941	0.2178	ppb	0.0406	18.6	3.6855
Tl 190.794	7.2935	ppb	2.3359	32.0	2.3617
V 292.401	1.7665	ppb	0.0496	2.8	34.5388
Zn 206.200	37.3304	ppb	0.2710	0.7	32.2955

680-85830-h-1-b ms (Samp) **12/21/2012, 12:11:32 AM** **Rack 2, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	4.9198	4.5980	4.2443
Al 308.215	1239.34	1237.41	1235.82
As 188.980	10.5001	13.8510	12.7451
B 249.678	8.2052	7.9942	7.9502
Ba 389.178	7.0543	6.2100	6.1504
Be 313.042	6.1796	6.1504	6.1364
Ca 370.602	44022	43852	43879
Cd 226.502	5.5260	5.6054	5.3997
Co 228.615	192.609	190.176	189.651
Cr 267.716	10.2913	10.4980	10.6003
Cu 324.754	10.7388	10.9662	10.8761
Fe 271.441	67508.9	67298.2	67152.3
K 766.491	2557.31	2594.20	2547.54
Mg 279.078	17168.3	17087.9	17036.8
Mn 257.610	9747.84	9684.78	9598.17
Mo 202.032	9.9086	9.8926	10.0969
Na 330.237	9289.08	9360.57	9203.87
Ni 231.604	38.0198	37.6664	36.0359
Pb 220.353	3.4163	4.2933	3.7468
Sb 206.834	4.6822	7.8048	8.0602
Se 196.026	12.4998	16.2747	13.5977
Sn 189.925	9.0863	10.3623	8.6200
Sr 216.596	154.515	153.850	153.197
Ti 334.941	10.3937	10.4123	10.3187
Tl 190.794	5.8462	11.3549	7.7605
V 292.401	11.8049	11.9233	11.8701
Zn 206.200	46.2592	46.4931	47.5680

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.5874	ppb	0.3379	7.4	160.210
Al 308.215	1237.52	ppb	1.7625	0.1	3921.63
As 188.980	12.3654	ppb	1.7074	13.8	6.1334
B 249.678	8.0498	ppb	0.1363	1.7	92.4736
Ba 389.178	6.4716	ppb	0.5056	7.8	89.5317
Be 313.042	6.1555	ppb	0.0221	0.4	6449.02
Ca 370.602	43918	ppb	91.09	0.2	91844
Cd 226.502	5.5104	ppb	0.1037	1.9	319.267
Co 228.615	190.812	ppb	1.5784	0.8	1660.20
Cr 267.716	10.4632	ppb	0.1574	1.5	347.306
Cu 324.754	10.8604	ppb	0.1145	1.1	752.725
Fe 271.441	67319.8	ppb	179.296	0.3	68822.8
K 766.491	2566.35	ppb	24.6119	1.0	79475.9
Mg 279.078	17097.6	ppb	66.3109	0.4	28091.3
Mn 257.610	9676.93	ppb	75.1428	0.8	479134
Mo 202.032	9.9660	ppb	0.1136	1.1	54.1370
Na 330.237	9284.50	ppb	78.4502	0.8	332.861
Ni 231.604	37.2407	ppb	1.0583	2.8	82.3259
Pb 220.353	3.8188	ppb	0.4429	11.6	9.0838
Sb 206.834	6.8491	ppb	1.8809	27.5	9.2373
Se 196.026	14.1240	ppb	1.9417	13.7	6.5046
Sn 189.925	9.3562	ppb	0.9020	9.6	4.8269
Sr 216.596	153.854	ppb	0.6588	0.4	1334.64
Ti 334.941	10.3749	ppb	0.0495	0.5	860.160
Tl 190.794	8.3205	ppb	2.7968	33.6	2.8272
V 292.401	11.8661	ppb	0.0593	0.5	210.781
Zn 206.200	46.7734	ppb	0.6980	1.5	40.0637

680-85830-h-1-c msd (Samp) **12/21/2012, 12:17:59 AM** **Rack 2, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	4.9128	4.7330	4.5212
Al 308.215	1264.75	1258.68	1262.04
As 188.980	11.9750	13.4483	9.0649
B 249.678	7.6203	8.1707	7.0253
Ba 389.178	6.6214	4.5736	6.5767
Be 313.042	6.2191	6.1831	6.1783
Ca 370.602	44540	44291	44281
Cd 226.502	5.5409	5.4849	5.1935
Co 228.615	196.151	192.657	192.857
Cr 267.716	10.6550	10.7181	10.5623
Cu 324.754	10.9004	11.2765	11.2576
Fe 271.441	68377.1	67803.2	67787.7
K 766.491	2596.07	2575.15	2575.44
Mg 279.078	17316.6	17166.6	17112.4
Mn 257.610	9690.26	9546.73	9478.96
Mo 202.032	10.3658	10.0038	9.5510
Na 330.237	9410.50	9486.10	9233.65
Ni 231.604	37.1523	37.5483	36.3535
Pb 220.353	3.0805	3.1061	0.6768
Sb 206.834	6.6718	4.6195	8.4029
Se 196.026	8.9651	-3.3634u	17.3828
Sn 189.925	9.2537	12.9660	8.9619
Sr 216.596	155.594	154.787	154.000
Ti 334.941	10.4798	10.3233	10.3624
Tl 190.794	11.8712	9.3387	9.8280
V 292.401	12.1329	11.5552	12.0495
Zn 206.200	46.9831	47.2499	48.5975

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.7223	ppb	0.1960	4.2	165.426
Al 308.215	1261.82	ppb	3.0425	0.2	3998.20
As 188.980	11.4961	ppb	2.2306	19.4	5.6920
B 249.678	7.6054	ppb	0.5729	7.5	87.5270
Ba 389.178	5.9239	ppb	1.1696	19.7	82.8321
Be 313.042	6.1935	ppb	0.0223	0.4	6489.26
Ca 370.602	44370	ppb	146.6	0.3	92838
Cd 226.502	5.4064	ppb	0.1865	3.4	317.286
Co 228.615	193.888	ppb	1.9621	1.0	1687.04
Cr 267.716	10.6451	ppb	0.0784	0.7	352.984
Cu 324.754	11.1448	ppb	0.2119	1.9	767.149
Fe 271.441	67989.3	ppb	335.911	0.5	69507.4
K 766.491	2582.22	ppb	11.9987	0.5	79966.2
Mg 279.078	17198.5	ppb	105.805	0.6	28257.1
Mn 257.610	9571.98	ppb	107.891	1.1	473939
Mo 202.032	9.9735	ppb	0.4082	4.1	54.1583
Na 330.237	9376.75	ppb	129.564	1.4	336.217
Ni 231.604	37.0180	ppb	0.6086	1.6	81.8570
Pb 220.353	2.2878	ppb	1.3952	61.0	7.3097
Sb 206.834	6.5648	ppb	1.8940	28.9	8.9261
Se 196.026	7.6615	ppb	10.4344	136.2	4.4726
Sn 189.925	10.3939	ppb	2.2323	21.5	5.4601
Sr 216.596	154.794	ppb	0.7970	0.5	1342.97
Ti 334.941	10.3885	ppb	0.0814	0.8	861.323
Tl 190.794	10.3460	ppb	1.3434	13.0	3.7426
V 292.401	11.9125	ppb	0.3122	2.6	211.639
Zn 206.200	47.6101	ppb	0.8654	1.8	40.7578

mb 680-260226/1-a (Samp) **12/21/2012, 12:24:27 AM** **Rack 2, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0593u	-0.1473u	-0.0217u
Al 308.215	5.2661	5.1303	2.8998
As 188.980	-0.5717u	-2.7349u	1.6215
B 249.678	-0.1484u	0.1130	-0.3208u
Ba 389.178	-0.0579u	-0.3455u	0.0709
Be 313.042	-0.0014u	-0.0104u	-0.0048u
Ca 370.602	14.27	12.78	10.75
Cd 226.502	-0.0620u	0.0178	0.1408
Co 228.615	0.0609	0.2445	0.0619
Cr 267.716	0.2052	0.1929	0.2388
Cu 324.754	0.5478	0.5497	0.4315
Fe 271.441	25.6339	24.5177	19.9325
K 766.491	7.1528	6.5544	6.4270
Mg 279.078	9.1273	7.0651	8.2772
Mn 257.610	0.4364	0.5471	0.3620
Mo 202.032	0.0498	0.1430	0.3827
Na 330.237	175.013	155.801	-35.6298u
Ni 231.604	1.3991	0.5658	-0.2969u
Pb 220.353	0.7653	1.4351	0.5233
Sb 206.834	-0.3980u	1.3539	-0.6936u
Se 196.026	0.4589	2.0989	-3.4809u
Sn 189.925	5.0033	3.1477	1.9851
Sr 216.596	0.2619	0.1211	0.0144
Ti 334.941	-0.0045u	0.0103	0.0101
Tl 190.794	-3.3604u	-3.4193u	1.9332
V 292.401	-0.0309u	-0.2548u	-0.3901u
Zn 206.200	1.0945	1.5164	0.6960

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0761	ppb	0.0645	84.7	-11.2359
Al 308.215	4.4321	ppb	1.3287	30.0	35.9814
As 188.980	-0.5617	ppb	2.1782	387.8	-0.4271
B 249.678	-0.1187	ppb	0.2184	183.9	40.8823
Ba 389.178	-0.1109	ppb	0.2132	192.3	-11.0332
Be 313.042	-0.0056	ppb	0.0046	82.0	-74.9464
Ca 370.602	12.60	ppb	1.767	14.0	41.70
Cd 226.502	0.0322	ppb	0.1021	317.1	2.2813
Co 228.615	0.1224	ppb	0.1057	86.3	-5.2395
Cr 267.716	0.2123	ppb	0.0238	11.2	19.2675
Cu 324.754	0.5097	ppb	0.0677	13.3	227.884
Fe 271.441	23.3614	ppb	3.0215	12.9	8.0886
K 766.491	6.7114	ppb	0.3876	5.8	389.221
Mg 279.078	8.1565	ppb	1.0364	12.7	21.5023
Mn 257.610	0.4485	ppb	0.0931	20.8	39.6388
Mo 202.032	0.1918	ppb	0.1717	89.5	4.4009
Na 330.237	98.3949	ppb	116.466	118.4	1.6296
Ni 231.604	0.5560	ppb	0.8480	152.5	-0.1726
Pb 220.353	0.9079	ppb	0.4723	52.0	3.0980
Sb 206.834	0.0874	ppb	1.1068	1266.0	0.7386
Se 196.026	-0.3077	ppb	2.8678	932.1	1.7959
Sn 189.925	3.3787	ppb	1.5223	45.1	1.1662
Sr 216.596	0.1325	ppb	0.1241	93.7	-0.2746
Ti 334.941	0.0053	ppb	0.0085	160.7	-16.6474
Tl 190.794	-1.6155	ppb	3.0734	190.2	-2.2553
V 292.401	-0.2253	ppb	0.1814	80.5	-3.2614
Zn 206.200	1.1023	ppb	0.4103	37.2	1.9309

lcs 680-260226/2-a (Samp) **12/21/2012, 12:30:54 AM** **Rack 2, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.5131	51.5748	51.7257
Al 308.215	5006.33	5019.41	5061.44
As 188.980	103.537	108.367	112.486
B 249.678	212.844	212.014	213.162
Ba 389.178	100.760	100.288	100.322
Be 313.042	55.6616	55.3484	55.6339
Ca 370.602	5222	5202	5238
Cd 226.502	52.1249	51.7306	52.2395
Co 228.615	52.1572	51.6630	52.3800
Cr 267.716	107.835	106.997	107.255
Cu 324.754	107.789	106.827	107.144
Fe 271.441	5209.60	5196.06	5222.98
K 766.491	5003.40	5002.81	5029.87
Mg 279.078	5259.80	5221.06	5239.95
Mn 257.610	558.817	551.662	552.789
Mo 202.032	103.230	103.084	103.364
Na 330.237	5026.42	4862.87	4825.28
Ni 231.604	106.733	105.256	105.202
Pb 220.353	50.1485	52.2074	48.2715
Sb 206.834	52.5097	51.7872	53.8130
Se 196.026	103.192	108.043	106.467
Sn 189.925	114.829	110.732	115.930
Sr 216.596	104.049	103.221	103.898
Ti 334.941	107.009	105.788	105.996
Tl 190.794	35.8011	44.9397	38.8370
V 292.401	104.448	104.210	104.967
Zn 206.200	110.488	108.751	107.728

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.9379	ppb	0.5038	1.0	2030.78
Al 308.215	5029.06	ppb	28.7948	0.6	15872.4
As 188.980	108.130	ppb	4.4794	4.1	54.7285
B 249.678	212.673	ppb	0.5924	0.3	2280.85
Ba 389.178	100.457	ppb	0.2634	0.3	1251.27
Be 313.042	55.5480	ppb	0.1734	0.3	58708.6
Ca 370.602	5221	ppb	18.40	0.4	11670
Cd 226.502	52.0317	ppb	0.2669	0.5	1583.22
Co 228.615	52.0667	ppb	0.3669	0.7	447.494
Cr 267.716	107.362	ppb	0.4292	0.4	3299.02
Cu 324.754	107.253	ppb	0.4906	0.5	5640.76
Fe 271.441	5209.55	ppb	13.4625	0.3	5315.02
K 766.491	5012.03	ppb	15.4557	0.3	155042
Mg 279.078	5240.27	ppb	19.3714	0.4	8634.23
Mn 257.610	554.423	ppb	3.8470	0.7	27472.2
Mo 202.032	103.226	ppb	0.1399	0.1	554.683
Na 330.237	4904.86	ppb	106.942	2.2	179.811
Ni 231.604	105.730	ppb	0.8686	0.8	229.924
Pb 220.353	50.2091	ppb	1.9687	3.9	60.5451
Sb 206.834	52.7033	ppb	1.0267	1.9	59.1501
Se 196.026	105.901	ppb	2.4747	2.3	35.2239
Sn 189.925	113.830	ppb	2.7390	2.4	68.5606
Sr 216.596	103.723	ppb	0.4414	0.4	835.337
Ti 334.941	106.264	ppb	0.6532	0.6	8943.84
Tl 190.794	39.8592	ppb	4.6543	11.7	16.7852
V 292.401	104.542	ppb	0.3870	0.4	1825.32
Zn 206.200	108.989	ppb	1.3952	1.3	90.8044

680-85785-b-8-d (Samp) **12/21/2012, 12:50:16 AM** **Rack 2, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-3.7778u	-2.4995u	-3.8709u
Al 308.215	209714	210477	210727
As 188.980	285.794	294.204	289.451
B 249.678	-75.3147u	-76.1139u	-77.6060u
Ba 389.178	1227.81	1229.08	1225.64
Be 313.042	22.5938	22.5784	22.5645
Ca 370.602	77309	77175	77144
Cd 226.502	11.8440	11.9087	11.5642
Co 228.615	245.769	247.741	245.330
Cr 267.716	740.495	738.942	737.569
Cu 324.754	173.346	172.939	173.862
Fe 271.441	576983	575168	577341
K 766.491	16797.2	16824.8	16825.1
Mg 279.078	14873.8	14884.5	14860.5
Mn 257.610	30556.8x	30451.6x	30319.7x
Mo 202.032	25.0194	25.1398	25.8899
Na 330.237	532.157u	428.288u	239.093u
Ni 231.604	156.642	159.517	161.507
Pb 220.353	714.219	718.524	721.060
Sb 206.834	15.8220	13.3197	15.0938
Se 196.026	26.9557	32.6313	18.2041
Sn 189.925	23.5869	23.2522	19.8609
Sr 216.596	145.557	145.629	145.330
Ti 334.941	1575.64	1572.26	1566.81
Tl 190.794	41.0090u	33.5039u	42.5816u
V 292.401	737.512	737.831	737.862
Zn 206.200	2089.53	2095.13	2085.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.3827b	ppb	0.7663	22.7	-231.861
Al 308.215	210306b	ppb	527.664	0.3	662647
As 188.980	289.816b	ppb	4.2167	1.5	146.979
B 249.678	-76.3449b	ppb	1.1630	1.5	-1057.96
Ba 389.178	1227.51b	ppb	1.7387	0.1	15425.7
Be 313.042	22.5789b	ppb	0.0146	0.1	23888.5
Ca 370.602	77209b	ppb	87.65	0.1	39098
Cd 226.502	11.7723b	ppb	0.1831	1.6	1658.23
Co 228.615	246.280b	ppb	1.2842	0.5	2187.87
Cr 267.716	739.002b	ppb	1.4636	0.2	22749.7
Cu 324.754	173.382b	ppb	0.4625	0.3	9003.31
Fe 271.441	576498b	ppb	1164.97	0.2	589400
K 766.491	16815.7b	ppb	16.0437	0.1	519747
Mg 279.078	14872.9b	ppb	12.0613	0.1	24268.6
Mn 257.610	30442.7xb	ppb	118.780	0.4	1507398
Mo 202.032	25.3497b	ppb	0.4717	1.9	121.376
Na 330.237	399.846b	ppb	148.588	37.2	-107.704
Ni 231.604	159.222b	ppb	2.4456	1.5	363.171
Pb 220.353	717.934b	ppb	3.4583	0.5	850.021
Sb 206.834	14.7452b	ppb	1.2870	8.7	31.2907
Se 196.026	25.9303b	ppb	7.2680	28.0	11.4911
Sn 189.925	22.2333b	ppb	2.0614	9.3	12.6663
Sr 216.596	145.505b	ppb	0.1560	0.1	2011.75
Ti 334.941	1571.57b	ppb	4.4578	0.3	132522
Tl 190.794	39.0315b	ppb	4.8512	12.4	-4.3394
V 292.401	737.735b	ppb	0.1939	0.0	13064.2
Zn 206.200	2090.07b	ppb	4.8194	0.2	1727.06

680-85785-b-8-d (Samp) **12/21/2012, 12:56:43 AM** **Rack 2, Tube 40**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4870u	-0.3853u	-0.9176u
Al 308.215	43876.9	43342.0	42175.1
As 188.980	67.0031	64.9119	54.1806
B 249.678	-16.5200u	-16.5609u	-15.4356u
Ba 389.178	263.014	259.189	255.411
Be 313.042	4.7769	4.6941	4.6280
Ca 370.602	17284	17212	17203
Cd 226.502	1.9602	1.5358	1.6896
Co 228.615	54.2521	53.7897	52.9896
Cr 267.716	157.585	154.744	153.337
Cu 324.754	35.7953	35.3454	35.0023
Fe 271.441	126420	124266	122377
K 766.491	3291.68	3240.66	3175.38
Mg 279.078	3307.42	3244.59	3208.17
Mn 257.610	6839.90	6697.11	6702.95
Mo 202.032	5.2189	5.4128	5.1617
Na 330.237	204.212u	79.0234u	5.2557u
Ni 231.604	35.4758	34.6652	34.4511
Pb 220.353	161.528	157.112	157.389
Sb 206.834	3.2231	5.4926	3.2944
Se 196.026	-1.9753u	16.2009	-0.2604
Sn 189.925	4.7783	5.9486	0.3807
Sr 216.596	32.5329	30.7303	29.9905
Ti 334.941	331.072	323.942	324.910
Tl 190.794	14.6718	9.2504u	5.0181u
V 292.401	156.982	154.212	151.510
Zn 206.200	460.805	449.302	446.236

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5966	ppb	0.2826	47.4	-51.2198
Al 308.215	43131.3	ppb	870.281	2.0	135919
As 188.980	62.0319	ppb	6.8793	11.1	31.3477
B 249.678	-16.1722	ppb	0.6383	3.9	-191.903
Ba 389.178	259.205	ppb	3.8011	1.5	3249.97
Be 313.042	4.6997	ppb	0.0746	1.6	4917.76
Ca 370.602	17233	ppb	44.92	0.3	9965
Cd 226.502	1.7286	ppb	0.2148	12.4	333.469
Co 228.615	53.6771	ppb	0.6388	1.2	471.636
Cr 267.716	155.222	ppb	2.1641	1.4	4789.13
Cu 324.754	35.3810	ppb	0.3977	1.1	1998.13
Fe 271.441	124354	ppb	2022.49	1.6	127125
K 766.491	3235.91	ppb	58.2924	1.8	100164
Mg 279.078	3253.40	ppb	50.2088	1.5	5313.57
Mn 257.610	6746.65	ppb	80.8046	1.2	334078
Mo 202.032	5.2645	ppb	0.1316	2.5	27.7078
Na 330.237	96.1637	ppb	100.580	104.6	-24.3942
Ni 231.604	34.8640	ppb	0.5405	1.6	78.3768
Pb 220.353	158.676	ppb	2.4740	1.6	189.506
Sb 206.834	4.0034	ppb	1.2902	32.2	8.1204
Se 196.026	4.6551	ppb	10.0356	215.6	3.6673
Sn 189.925	3.7025	ppb	2.9357	79.3	1.3634
Sr 216.596	31.0846	ppb	1.3077	4.2	430.130
Ti 334.941	326.642	ppb	3.8676	1.2	27530.7
Tl 190.794	9.6468	ppb	4.8390	50.2	-1.4235
V 292.401	154.235	ppb	2.7361	1.8	2732.07
Zn 206.200	452.115	ppb	7.6809	1.7	374.406

680-85785-b-8-d (Samp) **12/21/2012, 1:03:10 AM** **Rack 2, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	46.9962	46.4166	46.3497
Al 308.215	206537	206076	206779
As 188.980	2377.84	2378.32	2357.51
B 249.678	916.923	925.772	920.746
Ba 389.178	3098.83	3096.77	3096.77
Be 313.042	73.0643	73.1001	73.0737
Ca 370.602	81511	81636	81500
Cd 226.502	57.1864	57.4095	56.9470
Co 228.615	716.514	714.471	714.804
Cr 267.716	920.603	921.772	923.981
Cu 324.754	425.171	423.687	424.085
Fe 271.441	569464	576889	577547
K 766.491	21319.5	21282.4	21300.6
Mg 279.078	19350.1	19359.0	19345.1
Mn 257.610	30644.4x	30752.6x	30577.2x
Mo 202.032	492.875	494.033	494.220
Na 330.237	5711.18	5559.88	5762.70
Ni 231.604	626.779	630.082	623.829
Pb 220.353	1153.44	1156.05	1154.93
Sb 206.834	488.669	486.280	489.313
Se 196.026	2036.64	2060.32	2057.90
Sn 189.925	948.489	970.271	954.402
Sr 216.596	608.137	612.017	608.944
Ti 334.941	2519.85	2527.57	2513.59
Tl 190.794	1782.82	1754.75	1787.40
V 292.401	1203.62	1200.09	1201.49
Zn 206.200	2519.29	2532.60	2525.52

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.5875b	ppb	0.3555	0.8	1728.96
Al 308.215	206464b	ppb	357.152	0.2	650568
As 188.980	2371.22b	ppb	11.8752	0.5	1203.51
B 249.678	921.147b	ppb	4.4383	0.5	9455.25
Ba 389.178	3097.46b	ppb	1.1872	0.0	38813.0
Be 313.042	73.0793b	ppb	0.0186	0.0	77346.2
Ca 370.602	81549b	ppb	75.58	0.1	50283
Cd 226.502	57.1809b	ppb	0.2313	0.4	3025.63
Co 228.615	715.263b	ppb	1.0960	0.2	6283.53
Cr 267.716	922.119b	ppb	1.7153	0.2	28351.4
Cu 324.754	424.314b	ppb	0.7685	0.2	21738.4
Fe 271.441	574633b	ppb	4488.42	0.8	587530
K 766.491	21300.8b	ppb	18.5756	0.1	658326
Mg 279.078	19351.4b	ppb	7.0281	0.0	31645.9
Mn 257.610	30658.1xb	ppb	88.5163	0.3	1518063
Mo 202.032	493.710b	ppb	0.7284	0.1	2623.20
Na 330.237	5677.92b	ppb	105.419	1.9	84.8794
Ni 231.604	626.896b	ppb	3.1284	0.5	1385.99
Pb 220.353	1154.80b	ppb	1.3068	0.1	1359.32
Sb 206.834	488.087b	ppb	1.5981	0.3	556.326
Se 196.026	2051.62b	ppb	13.0308	0.6	648.805
Sn 189.925	957.721b	ppb	11.2642	1.2	583.455
Sr 216.596	609.700b	ppb	2.0474	0.3	5719.50
Ti 334.941	2520.34b	ppb	7.0029	0.3	212518
Tl 190.794	1774.99b	ppb	17.6748	1.0	791.601
V 292.401	1201.74b	ppb	1.7761	0.1	21169.2
Zn 206.200	2525.80b	ppb	6.6617	0.3	2086.54

680-85785-b-8-e ms (Samp) **12/21/2012, 1:09:36 AM** **Rack 2, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	46.9174	48.2000	47.4116
Al 308.215	260887	261678	262046
As 188.980	444.374	433.758	443.016
B 249.678	88.3878	86.5684	84.8271
Ba 389.178	1383.29	1383.25	1381.17
Be 313.042	76.4737	76.5260	76.4088
Ca 370.602	72199	72083	71960
Cd 226.502	59.8613	59.8565	58.8635
Co 228.615	339.598	342.102	340.607
Cr 267.716	893.384	892.204	889.970
Cu 324.754	273.990	275.363	274.116
Fe 271.441	647665	652710	651022
K 766.491	25725.3	25748.0	25798.1
Mg 279.078	20716.3	20720.9	20645.2
Mn 257.610	26068.7	25941.9	25941.1
Mo 202.032	125.368	124.944	125.464
Na 330.237	5748.12	5614.98	5677.55
Ni 231.604	260.177	264.953	262.256
Pb 220.353	729.583	722.122	725.179
Sb 206.834	62.3528	60.9736	62.1341
Se 196.026	118.347	115.273	131.192
Sn 189.925	116.693	117.245	121.773
Sr 216.596	225.869	222.849	224.295
Ti 334.941	1462.48	1453.74	1447.02
Tl 190.794	82.7632	86.4841	81.4261
V 292.401	941.072	944.603	943.502
Zn 206.200	1421.01	1422.69	1408.04

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.5096	ppb	0.6469	1.4	1755.68
Al 308.215	261537	ppb	591.876	0.2	824068
As 188.980	440.383	ppb	5.7770	1.3	223.393
B 249.678	86.5945	ppb	1.7805	2.1	621.487
Ba 389.178	1382.57	ppb	1.2114	0.1	17380.7
Be 313.042	76.4695	ppb	0.0587	0.1	80912.4
Ca 370.602	72081	ppb	119.4	0.2	6428
Cd 226.502	59.5271	ppb	0.5747	1.0	3267.13
Co 228.615	340.769	ppb	1.2594	0.4	3010.42
Cr 267.716	891.853	ppb	1.7342	0.2	27442.5
Cu 324.754	274.490	ppb	0.7589	0.3	14127.3
Fe 271.441	650466	ppb	2568.15	0.4	665031
K 766.491	25757.1	ppb	37.2296	0.1	796015
Mg 279.078	20694.1	ppb	42.4312	0.2	33895.1
Mn 257.610	25983.9	ppb	73.4423	0.3	1286698
Mo 202.032	125.259	ppb	0.2767	0.2	653.339
Na 330.237	5680.22	ppb	66.6084	1.2	80.0160
Ni 231.604	262.462	ppb	2.3949	0.9	590.996
Pb 220.353	725.628	ppb	3.7509	0.5	858.333
Sb 206.834	61.8201	ppb	0.7413	1.2	85.3500
Se 196.026	121.604	ppb	8.4445	6.9	41.7759
Sn 189.925	118.570	ppb	2.7873	2.4	71.4418
Sr 216.596	224.338	ppb	1.5104	0.7	2748.48
Ti 334.941	1454.41	ppb	7.7516	0.5	122650
Tl 190.794	83.5578	ppb	2.6210	3.1	9.4216
V 292.401	943.059	ppb	1.8069	0.2	16681.3
Zn 206.200	1417.25	ppb	8.0171	0.6	1170.91

680-85785-b-8-f msd (Samp) **12/21/2012, 1:16:03 AM** **Rack 2, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.1146	50.3042	48.9111
Al 308.215	273061	270288	268000
As 188.980	496.980	478.751	488.942
B 249.678	74.4349	81.7638	85.2395
Ba 389.178	1377.24	1382.42	1381.30
Be 313.042	78.3401	78.5506	78.4615
Ca 370.602	122126	122476	122594
Cd 226.502	63.8849	65.4640	66.0945
Co 228.615	332.205	330.307	332.264
Cr 267.716	1247.51	1256.52	1257.77
Cu 324.754	352.586	352.837	348.887
Fe 271.441	782686	779889	778572
K 766.491	27655.1	27512.7	27453.7
Mg 279.078	26829.4	26938.4	26983.1
Mn 257.610	24869.2	25190.0	25288.3
Mo 202.032	127.287	128.058	125.777
Na 330.237	6404.80	6296.50	6271.29
Ni 231.604	282.704	279.285	276.088
Pb 220.353	1070.93	1068.96	1069.76
Sb 206.834	64.8104	69.3035	66.4763
Se 196.026	124.505	134.038	146.508
Sn 189.925	130.268	133.464	137.184
Sr 216.596	305.447	304.783	307.215
Ti 334.941	2009.02	2040.49	2056.05
Tl 190.794	81.2876	90.0220	93.5156
V 292.401	1034.66	1032.55	1031.99
Zn 206.200	3643.15	3652.01	3655.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.7766	ppb	0.7555	1.5	1823.58
Al 308.215	270449	ppb	2534.22	0.9	852151
As 188.980	488.224	ppb	9.1360	1.9	247.680
B 249.678	80.4794	ppb	5.5156	6.9	489.951
Ba 389.178	1380.32	ppb	2.7257	0.2	17371.0
Be 313.042	78.4508	ppb	0.1057	0.1	83030.1
Ca 370.602	122399	ppb	243.4	0.2	96968
Cd 226.502	65.1478	ppb	1.1382	1.7	3729.92
Co 228.615	331.592	ppb	1.1129	0.3	2944.61
Cr 267.716	1253.94	ppb	5.5977	0.4	38551.3
Cu 324.754	351.437	ppb	2.2119	0.6	18033.4
Fe 271.441	780382	ppb	2100.81	0.3	797855
K 766.491	27540.5	ppb	103.504	0.4	851117
Mg 279.078	26917.0	ppb	79.0265	0.3	44160.7
Mn 257.610	25115.8	ppb	219.152	0.9	1243786
Mo 202.032	127.041	ppb	1.1601	0.9	658.151
Na 330.237	6324.20	ppb	70.9377	1.1	67.9764
Ni 231.604	279.359	ppb	3.3084	1.2	631.761
Pb 220.353	1069.88	ppb	0.9910	0.1	1262.63
Sb 206.834	66.8634	ppb	2.2714	3.4	94.6072
Se 196.026	135.017	ppb	11.0340	8.2	46.3229
Sn 189.925	133.638	ppb	3.4613	2.6	80.6454
Sr 216.596	305.815	ppb	1.2566	0.4	3597.19
Ti 334.941	2035.19	ppb	23.9577	1.2	171627
Tl 190.794	88.2750	ppb	6.2984	7.1	3.2029
V 292.401	1033.06	ppb	1.4070	0.1	18291.7
Zn 206.200	3650.11	ppb	6.2281	0.2	3014.98

680-85785-b-10-a (Samp) **12/21/2012, 1:22:30 AM** **Rack 2, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.3101u	-1.6122u	-0.8131u
Al 308.215	155878	156152	157043
As 188.980	266.427	263.034	262.131
B 249.678	8.5832u	8.3468u	5.7743u
Ba 389.178	1919.40	1917.26	1916.85
Be 313.042	20.1575	20.1618	20.1391
Ca 370.602	228973	228966	229255
Cd 226.502	20.3501	20.2453	19.5707
Co 228.615	144.222	145.345	145.100
Cr 267.716	514.877	513.893	512.908
Cu 324.754	956.986	964.535	966.032
Fe 271.441	429050	429385	429872
K 766.491	20187.2	20255.6	20248.0
Mg 279.078	63622.8	63515.0	63400.9
Mn 257.610	19854.5	19836.5	19674.9
Mo 202.032	50.5419	50.4397	51.6876
Na 330.237	1554.32u	1616.53u	1598.61u
Ni 231.604	213.451	209.598	211.681
Pb 220.353	3268.12	3282.32	3275.16
Sb 206.834	32.5962	32.6584	26.8830
Se 196.026	38.7777	51.4494	31.6126
Sn 189.925	75.1519	72.3894	73.9466
Sr 216.596	410.586	411.412	410.214
Ti 334.941	2718.19	2702.05	2681.69
Tl 190.794	29.5258u	28.8251u	36.0190u
V 292.401	393.859	394.705	394.208
Zn 206.200	3427.65	3414.37	3420.21

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2451	ppb	0.4035	32.4	-127.536
Al 308.215	156358	ppb	609.036	0.4	492663
As 188.980	263.864	ppb	2.2650	0.9	133.799
B 249.678	7.5681	ppb	1.5580	20.6	-98.5098
Ba 389.178	1917.84	ppb	1.3723	0.1	24059.0
Be 313.042	20.1528	ppb	0.0120	0.1	21357.6
Ca 370.602	229065	ppb	165.2	0.1	457188
Cd 226.502	20.0553	ppb	0.4230	2.1	1589.77
Co 228.615	144.889	ppb	0.5903	0.4	1316.86
Cr 267.716	513.893	ppb	0.9848	0.2	15830.5
Cu 324.754	962.518	ppb	4.8487	0.5	49017.7
Fe 271.441	429436	ppb	413.388	0.1	439042
K 766.491	20230.3	ppb	37.5120	0.2	625248
Mg 279.078	63512.9	ppb	110.937	0.2	104467
Mn 257.610	19788.7	ppb	98.8925	0.5	979936
Mo 202.032	50.8897	ppb	0.6929	1.4	262.359
Na 330.237	1589.82	ppb	32.0215	2.0	-48.1468
Ni 231.604	211.577	ppb	1.9288	0.9	474.704
Pb 220.353	3275.20	ppb	7.0978	0.2	3834.16
Sb 206.834	30.7125	ppb	3.3166	10.8	45.0651
Se 196.026	40.6133	ppb	10.0450	24.7	15.7446
Sn 189.925	73.8293	ppb	1.3850	1.9	44.2057
Sr 216.596	410.737	ppb	0.6131	0.1	3933.86
Ti 334.941	2700.64	ppb	18.2868	0.7	227711
Tl 190.794	31.4566	ppb	3.9667	12.6	-3.6397
V 292.401	394.258	ppb	0.4250	0.1	7003.71
Zn 206.200	3420.74	ppb	6.6548	0.2	2827.69

680-85785-b-15-a (Samp) **12/21/2012, 1:28:57 AM** **Rack 2, Tube 45**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1784u	-0.2845u	-0.0011u
Al 308.215	91002.6	91642.2	90373.0
As 188.980	72.2114	70.5994	77.5383
B 249.678	-6.7344u	-7.5834u	-7.4588u
Ba 389.178	576.355	575.925	573.433
Be 313.042	3.8653	3.8578	3.8471
Ca 370.602	28465	28475	28504
Cd 226.502	5.1222	4.7737	5.3768
Co 228.615	36.1828	35.1489	34.3546
Cr 267.716	169.476	169.424	170.156
Cu 324.754	166.175	167.934	165.983
Fe 271.441	158564	158966	158154
K 766.491	5393.64	5413.34	5390.74
Mg 279.078	7460.92	7451.23	7444.54
Mn 257.610	1915.94	1903.73	1930.23
Mo 202.032	9.6016	8.6902	9.3362
Na 330.237	545.465u	342.542u	485.372u
Ni 231.604	54.5668	53.5351	55.7314
Pb 220.353	574.867	574.791	571.694
Sb 206.834	7.1427	7.8055	12.7888
Se 196.026	10.7895	-2.4669u	6.0845
Sn 189.925	36.6362	39.3245	34.7116
Sr 216.596	79.0757	79.0075	78.3938
Ti 334.941	849.839	842.336	853.057
Tl 190.794	7.3006u	2.4954u	2.0452u
V 292.401	216.784	217.772	216.085
Zn 206.200	1607.68	1612.95	1598.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0357	ppb	0.2333	652.8	-34.7579
Al 308.215	91005.9	ppb	634.604	0.7	286757
As 188.980	73.4497	ppb	3.6314	4.9	37.1431
B 249.678	-7.2589	ppb	0.4585	6.3	-115.592
Ba 389.178	575.238	ppb	1.5779	0.3	7208.86
Be 313.042	3.8567	ppb	0.0091	0.2	4042.73
Ca 370.602	28481	ppb	19.99	0.1	28733
Cd 226.502	5.0909	ppb	0.3028	5.9	517.368
Co 228.615	35.2287	ppb	0.9167	2.6	320.697
Cr 267.716	169.685	ppb	0.4083	0.2	5239.06
Cu 324.754	166.697	ppb	1.0751	0.6	8659.69
Fe 271.441	158561	ppb	405.928	0.3	162097
K 766.491	5399.24	ppb	12.2980	0.2	167005
Mg 279.078	7452.23	ppb	8.2359	0.1	12268.5
Mn 257.610	1916.63	ppb	13.2628	0.7	94980.3
Mo 202.032	9.2093	ppb	0.4688	5.1	48.4967
Na 330.237	457.793	ppb	104.235	22.8	-24.3186
Ni 231.604	54.6111	ppb	1.0988	2.0	122.613
Pb 220.353	573.784	ppb	1.8103	0.3	672.924
Sb 206.834	9.2456	ppb	3.0863	33.4	15.1483
Se 196.026	4.8024	ppb	6.7206	139.9	3.7995
Sn 189.925	36.8908	ppb	2.3169	6.3	21.6150
Sr 216.596	78.8257	ppb	0.3756	0.5	863.990
Ti 334.941	848.411	ppb	5.5015	0.6	71525.3
Tl 190.794	3.9471	ppb	2.9130	73.8	-8.3239
V 292.401	216.880	ppb	0.8476	0.4	3849.77
Zn 206.200	1606.33	ppb	7.3751	0.5	1328.17

680-85785-b-29-a (Samp) **12/21/2012, 1:35:24 AM** **Rack 2, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	3.0020	3.5257	2.9563
Al 308.215	90363.7	89527.2	90302.1
As 188.980	320.828	319.645	325.192
B 249.678	41.4293	42.1490	41.0210
Ba 389.178	1343.92	1344.86	1343.49
Be 313.042	9.7958	9.7707	9.8100
Ca 370.602	200156	199820	200220
Cd 226.502	19.9207	20.5026	20.1972
Co 228.615	48.2768	47.7440	48.3238
Cr 267.716	424.748	426.425	425.810
Cu 324.754	805.653	809.318	796.212
Fe 271.441	193317	192798	193269
K 766.491	9717.98	9696.94	9704.17
Mg 279.078	77108.4	77320.5	77203.7
Mn 257.610	10594.0	10687.7	10594.0
Mo 202.032	17.4147	18.6416	17.3787
Na 330.237	796.757u	574.356u	484.397u
Ni 231.604	128.934	127.884	127.518
Pb 220.353	1851.28	1851.99	1851.13
Sb 206.834	21.9110	19.1129	23.9885
Se 196.026	19.2525	16.4317	15.8011
Sn 189.925	79.9320	74.2310	74.3724
Sr 216.596	297.616	298.785	298.371
Ti 334.941	2041.79	2065.71	2046.28
Tl 190.794	15.7336	11.5708u	14.9689
V 292.401	296.170	295.359	296.242
Zn 206.200	7403.77	7418.21	7406.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.1613	ppb	0.3164	10.0	83.2107
Al 308.215	90064.3	ppb	466.201	0.5	283793
As 188.980	321.889	ppb	2.9213	0.9	163.262
B 249.678	41.5331	ppb	0.5711	1.4	380.549
Ba 389.178	1344.09	ppb	0.7035	0.1	16864.9
Be 313.042	9.7922	ppb	0.0199	0.2	10380.0
Ca 370.602	200066	ppb	214.6	0.1	447854
Cd 226.502	20.2068	ppb	0.2911	1.4	1063.67
Co 228.615	48.1148	ppb	0.3220	0.7	454.224
Cr 267.716	425.661	ppb	0.8481	0.2	13080.0
Cu 324.754	803.728	ppb	6.7618	0.8	40961.9
Fe 271.441	193128	ppb	286.754	0.1	197441
K 766.491	9706.37	ppb	10.6864	0.1	300085
Mg 279.078	77210.9	ppb	106.250	0.1	127095
Mn 257.610	10625.2	ppb	54.1038	0.5	526194
Mo 202.032	17.8117	ppb	0.7190	4.0	93.1005
Na 330.237	618.504	ppb	160.792	26.0	-57.5894
Ni 231.604	128.112	ppb	0.7350	0.6	286.033
Pb 220.353	1851.47	ppb	0.4613	0.0	2166.97
Sb 206.834	21.6708	ppb	2.4467	11.3	30.6003
Se 196.026	17.1618	ppb	1.8378	10.7	7.7761
Sn 189.925	76.1785	ppb	3.2514	4.3	45.6416
Sr 216.596	298.257	ppb	0.5928	0.2	2685.27
Ti 334.941	2051.26	ppb	12.7136	0.6	172948
Tl 190.794	14.0911	ppb	2.2159	15.7	-1.3698
V 292.401	295.924	ppb	0.4904	0.2	5225.15
Zn 206.200	7409.35	ppb	7.7619	0.1	6123.18

680-85785-b-29-b ms (Samp) **12/21/2012, 1:41:52 AM** **Rack 2, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	54.4422	54.3576	54.0388
Al 308.215	95353.9	95725.9	96147.4
As 188.980	406.038	406.883	402.611
B 249.678	232.104	233.083	231.770
Ba 389.178	1299.43	1298.41	1299.21
Be 313.042	62.8839	62.8249	62.8911
Ca 370.602	177166	177290	177431
Cd 226.502	66.8206	66.2275	66.3415
Co 228.615	93.7284	93.1417	93.6665
Cr 267.716	498.953	498.092	499.006
Cu 324.754	769.830	773.294	778.024
Fe 271.441	190261	190262	190747
K 766.491	14650.5	14662.1	14682.5
Mg 279.078	72995.1	72836.5	72771.1
Mn 257.610	10143.0	10078.0	10036.8
Mo 202.032	111.113	109.904	110.579
Na 330.237	5817.54	6172.42	5788.20
Ni 231.604	221.212	220.252	219.361
Pb 220.353	1757.49	1745.29	1757.92
Sb 206.834	66.4669	63.7356	61.7264
Se 196.026	97.7829	99.9031	115.775
Sn 189.925	167.656	166.520	167.431
Sr 216.596	358.523	357.582	357.832
Ti 334.941	2116.25	2101.13	2094.70
Tl 190.794	49.2000	44.8209	45.1623
V 292.401	393.306	394.806	394.236
Zn 206.200	6838.75	6848.19	6802.68

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	54.2796	ppb	0.2127	0.4	2091.74
Al 308.215	95742.4	ppb	397.023	0.4	301688
As 188.980	405.178	ppb	2.2625	0.6	205.524
B 249.678	232.319	ppb	0.6827	0.3	2392.90
Ba 389.178	1299.02	ppb	0.5355	0.0	16300.4
Be 313.042	62.8666	ppb	0.0363	0.1	66534.4
Ca 370.602	177296	ppb	132.4	0.1	391863
Cd 226.502	66.4632	ppb	0.3147	0.5	2450.77
Co 228.615	93.5122	ppb	0.3224	0.3	849.172
Cr 267.716	498.684	ppb	0.5131	0.1	15313.6
Cu 324.754	773.716	ppb	4.1131	0.5	39442.5
Fe 271.441	190423	ppb	280.471	0.1	194680
K 766.491	14665.0	ppb	16.2394	0.1	453296
Mg 279.078	72867.6	ppb	115.212	0.2	119944
Mn 257.610	10085.9	ppb	53.5613	0.5	499491
Mo 202.032	110.532	ppb	0.6062	0.5	588.587
Na 330.237	5926.05	ppb	213.863	3.6	144.486
Ni 231.604	220.275	ppb	0.9257	0.4	487.217
Pb 220.353	1753.56	ppb	7.1714	0.4	2052.19
Sb 206.834	63.9763	ppb	2.3794	3.7	77.3077
Se 196.026	104.487	ppb	9.8332	9.4	35.2422
Sn 189.925	167.202	ppb	0.6017	0.4	101.173
Sr 216.596	357.979	ppb	0.4877	0.1	3155.14
Ti 334.941	2104.02	ppb	11.0670	0.5	177398
Tl 190.794	46.3944	ppb	2.4357	5.2	13.5026
V 292.401	394.116	ppb	0.7573	0.2	6941.21
Zn 206.200	6829.88	ppb	24.0154	0.4	5644.08

680-85785-b-29-c msd (Samp) **12/21/2012, 1:48:20 AM** **Rack 2, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	58.7582	59.2342	60.2492
Al 308.215	105321	104004	103762
As 188.980	432.102	414.879	426.556
B 249.678	254.488	256.151	258.274
Ba 389.178	1401.44	1402.63	1403.71
Be 313.042	68.5087	68.6905	68.7319
Ca 370.602	216943	216408	216524
Cd 226.502	71.4891	72.2038	71.8185
Co 228.615	99.3371	99.1900	99.6142
Cr 267.716	528.829	532.182	532.028
Cu 324.754	818.316	816.766	814.860
Fe 271.441	211343	210996	211005
K 766.491	16405.9	16383.0	16324.5
Mg 279.078	87963.8	88289.3	88431.7
Mn 257.610	10621.4	10805.5	10843.7
Mo 202.032	120.411	119.334	119.800
Na 330.237	6367.81	6590.67	6651.20
Ni 231.604	228.168	232.152	229.470
Pb 220.353	1782.04	1776.67	1782.43
Sb 206.834	63.2165	69.3071	69.0247
Se 196.026	120.481	132.420	146.577
Sn 189.925	187.863	186.517	189.815
Sr 216.596	403.282	406.030	407.816
Ti 334.941	2258.65	2299.46	2301.76
Tl 190.794	48.2977	38.9467	43.9743
V 292.401	420.397	420.889	420.190
Zn 206.200	7033.05	7070.51	7089.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	59.4139	ppb	0.7616	1.3	2289.71
Al 308.215	104362	ppb	839.115	0.8	328847
As 188.980	424.512	ppb	8.7914	2.1	215.337
B 249.678	256.304	ppb	1.8978	0.7	2634.90
Ba 389.178	1402.59	ppb	1.1354	0.1	17606.5
Be 313.042	68.6437	ppb	0.1188	0.2	72658.8
Ca 370.602	216625	ppb	281.3	0.1	484427
Cd 226.502	71.8371	ppb	0.3577	0.5	2663.26
Co 228.615	99.3804	ppb	0.2154	0.2	903.887
Cr 267.716	531.013	ppb	1.8932	0.4	16307.4
Cu 324.754	816.647	ppb	1.7312	0.2	41620.5
Fe 271.441	211114	ppb	197.787	0.1	215835
K 766.491	16371.1	ppb	41.9826	0.3	506011
Mg 279.078	88228.3	ppb	239.853	0.3	145240
Mn 257.610	10756.8	ppb	118.878	1.1	532729
Mo 202.032	119.848	ppb	0.5402	0.5	637.764
Na 330.237	6536.56	ppb	149.241	2.3	161.276
Ni 231.604	229.930	ppb	2.0312	0.9	509.309
Pb 220.353	1780.38	ppb	3.2193	0.2	2083.68
Sb 206.834	67.1827	ppb	3.4378	5.1	81.3744
Se 196.026	133.159	ppb	13.0639	9.8	44.3156
Sn 189.925	188.065	ppb	1.6581	0.9	113.915
Sr 216.596	405.709	ppb	2.2838	0.6	3571.23
Ti 334.941	2286.62	ppb	24.2543	1.1	192795
Tl 190.794	43.7396	ppb	4.6799	10.7	11.3304
V 292.401	420.492	ppb	0.3588	0.1	7405.47
Zn 206.200	7064.38	ppb	28.7581	0.4	5838.01

680-85785-b-52-a (Samp) **12/21/2012, 2:07:41 AM** **Rack 2, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-1.6066u	-2.2371u	-2.1456u
Al 308.215	155899	155440	156639
As 188.980	537.021	532.167	533.703
B 249.678	-49.9305u	-50.3955u	-52.0529u
Ba 389.178	349.439	350.772	349.988
Be 313.042	10.6874	10.7026	10.6940
Ca 370.602	44754	44809	44722
Cd 226.502	8.4097	8.9392	8.0630
Co 228.615	94.1005	95.3380	96.8904
Cr 267.716	238.097	238.304	238.242
Cu 324.754	453.437	453.579	454.740
Fe 271.441	415031	414586	415098
K 766.491	12589.1	12553.0	12556.1
Mg 279.078	11839.2	11859.4	11830.4
Mn 257.610	4864.99	4895.60	4842.21
Mo 202.032	22.8226	22.9026	21.9117
Na 330.237	264.814u	354.960u	285.699u
Ni 231.604	180.907	179.312	178.889
Pb 220.353	699.787	711.382	712.219
Sb 206.834	13.0026	17.0520	14.8270
Se 196.026	16.3540	20.5886	11.9764
Sn 189.925	41.7628	35.4817	37.3762
Sr 216.596	51.5800	51.8049	51.3165
Ti 334.941	1543.12	1546.11	1533.45
Tl 190.794	28.6815u	31.1128u	28.9356u
V 292.401	569.772	569.249	568.714
Zn 206.200	1838.65	1852.44	1839.91

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9964	ppb	0.3407	17.1	-151.625
Al 308.215	155993	ppb	604.685	0.4	491521
As 188.980	534.297	ppb	2.4809	0.5	271.091
B 249.678	-50.7930	ppb	1.1156	2.2	-706.057
Ba 389.178	350.066	ppb	0.6701	0.2	4431.87
Be 313.042	10.6947	ppb	0.0076	0.1	11305.5
Ca 370.602	44762	ppb	44.17	0.1	654.8
Cd 226.502	8.4706	ppb	0.4413	5.2	1194.86
Co 228.615	95.4430	ppb	1.3979	1.5	866.261
Cr 267.716	238.214	ppb	0.1062	0.0	7389.67
Cu 324.754	453.919	ppb	0.7151	0.2	23223.7
Fe 271.441	414905	ppb	278.313	0.1	424181
K 766.491	12566.1	ppb	20.0036	0.2	388443
Mg 279.078	11843.0	ppb	14.8484	0.1	19488.3
Mn 257.610	4867.60	ppb	26.7938	0.6	241190
Mo 202.032	22.5456	ppb	0.5505	2.4	111.386
Na 330.237	301.824	ppb	47.1867	15.6	-80.7030
Ni 231.604	179.703	ppb	1.0640	0.6	403.286
Pb 220.353	707.796	ppb	6.9485	1.0	833.012
Sb 206.834	14.9605	ppb	2.0280	13.6	26.3047
Se 196.026	16.3063	ppb	4.3063	26.4	8.0606
Sn 189.925	38.2069	ppb	3.2219	8.4	22.4104
Sr 216.596	51.5671	ppb	0.2444	0.5	1017.95
Ti 334.941	1540.89	ppb	6.6172	0.4	129922
Tl 190.794	29.5766	ppb	1.3364	4.5	-10.9103
V 292.401	569.245	ppb	0.5289	0.1	10104.8
Zn 206.200	1843.67	ppb	7.6245	0.4	1524.73

680-85785-b-52-b ms (Samp) **12/21/2012, 2:14:08 AM** **Rack 2, Tube 52**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.6225	50.8351	50.9047
Al 308.215	153141	153633	154433
As 188.980	658.074	658.272	662.832
B 249.678	153.873	153.199	151.490
Ba 389.178	448.846	448.970	448.217
Be 313.042	66.0780	66.0834	66.0381
Ca 370.602	47831	47859	47763
Cd 226.502	58.5911	58.3059	58.1590
Co 228.615	144.433	144.721	144.584
Cr 267.716	320.892	321.277	320.597
Cu 324.754	579.916	579.570	580.822
Fe 271.441	341538	341376	341957
K 766.491	17120.2	17081.3	17115.9
Mg 279.078	16513.1	16498.6	16464.5
Mn 257.610	4856.50	4851.00	4807.48
Mo 202.032	121.527	121.511	121.785
Na 330.237	5726.72	5641.76	5573.43
Ni 231.604	285.651	284.274	284.885
Pb 220.353	767.263	764.911	764.569
Sb 206.834	65.7642	59.1935	62.7693
Se 196.026	116.421	104.387	103.903
Sn 189.925	137.564	138.067	136.906
Sr 216.596	162.770	161.356	161.457
Ti 334.941	1589.07	1581.60	1570.29
Tl 190.794	51.1112	55.9335	52.5992
V 292.401	542.830	541.948	543.132
Zn 206.200	2032.21	2038.21	2027.76

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.7874	ppb	0.1470	0.3	1932.91
Al 308.215	153736	ppb	651.939	0.4	484410
As 188.980	659.726	ppb	2.6916	0.4	334.743
B 249.678	152.854	ppb	1.2284	0.8	1478.08
Ba 389.178	448.678	ppb	0.4036	0.1	5658.09
Be 313.042	66.0665	ppb	0.0248	0.0	69891.0
Ca 370.602	47817	ppb	49.48	0.1	28089
Cd 226.502	58.3520	ppb	0.2197	0.4	2536.30
Co 228.615	144.580	ppb	0.1442	0.1	1290.93
Cr 267.716	320.922	ppb	0.3409	0.1	9905.14
Cu 324.754	580.103	ppb	0.6466	0.1	29622.1
Fe 271.441	341624	ppb	299.451	0.1	349264
K 766.491	17105.8	ppb	21.3221	0.1	528711
Mg 279.078	16492.1	ppb	24.9815	0.2	27140.2
Mn 257.610	4838.33	ppb	26.8567	0.6	239713
Mo 202.032	121.607	ppb	0.1537	0.1	643.291
Na 330.237	5647.30	ppb	76.7974	1.4	131.956
Ni 231.604	284.937	ppb	0.6895	0.2	631.274
Pb 220.353	765.581	ppb	1.4669	0.2	898.921
Sb 206.834	62.5757	ppb	3.2897	5.3	77.8035
Se 196.026	108.237	ppb	7.0915	6.6	36.7990
Sn 189.925	137.512	ppb	0.5824	0.4	83.0074
Sr 216.596	161.861	ppb	0.7891	0.5	1791.26
Ti 334.941	1580.32	ppb	9.4557	0.6	133245
Tl 190.794	53.2147	ppb	2.4694	4.6	4.5868
V 292.401	542.637	ppb	0.6153	0.1	9606.44
Zn 206.200	2032.73	ppb	5.2441	0.3	1680.55

680-85785-b-52-c msd (Samp) **12/21/2012, 2:20:35 AM** **Rack 2, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	50.8666	50.7200	51.5083
Al 308.215	180911	178507	178708
As 188.980	630.156	638.361	629.386
B 249.678	163.565	167.819	167.920
Ba 389.178	468.607	467.149	468.750
Be 313.042	67.0912	67.2563	67.2600
Ca 370.602	45905	46011	46016
Cd 226.502	58.6267	59.0020	59.2661
Co 228.615	194.026	194.708	194.468
Cr 267.716	329.220	330.633	331.021
Cu 324.754	594.345	591.614	590.727
Fe 271.441	329114	328425	328298
K 766.491	20334.0	20309.7	20264.6
Mg 279.078	18141.3	18218.2	18223.9
Mn 257.610	5610.57	5699.38	5706.74
Mo 202.032	124.492	122.140	123.583
Na 330.237	5731.31	5907.61	5765.36
Ni 231.604	303.898	302.701	305.337
Pb 220.353	752.521	750.123	745.159
Sb 206.834	61.9228	62.4122	63.5255
Se 196.026	108.950	108.478	106.431
Sn 189.925	131.450	144.168	143.391
Sr 216.596	162.361	163.649	163.272
Ti 334.941	1620.49	1646.09	1648.70
Tl 190.794	51.0378	59.8796	60.8223
V 292.401	550.746	550.785	550.293
Zn 206.200	1965.13	1966.05	1972.91

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.0316	ppb	0.4193	0.8	1944.56
Al 308.215	179375	ppb	1333.56	0.7	565191
As 188.980	632.634	ppb	4.9747	0.8	320.990
B 249.678	166.434	ppb	2.4853	1.5	1627.68
Ba 389.178	468.169	ppb	0.8862	0.2	5901.59
Be 313.042	67.2025	ppb	0.0964	0.1	71095.4
Ca 370.602	45977	ppb	62.78	0.1	26899
Cd 226.502	58.9649	ppb	0.3213	0.5	2529.99
Co 228.615	194.400	ppb	0.3458	0.2	1725.81
Cr 267.716	330.292	ppb	0.9480	0.3	10189.3
Cu 324.754	592.229	ppb	1.8859	0.3	30237.4
Fe 271.441	328612	ppb	438.845	0.1	335965
K 766.491	20302.8	ppb	35.2050	0.2	627488
Mg 279.078	18194.5	ppb	46.1222	0.3	29933.7
Mn 257.610	5672.23	ppb	53.5225	0.9	280992
Mo 202.032	123.405	ppb	1.1863	1.0	653.916
Na 330.237	5801.43	ppb	93.5220	1.6	140.080
Ni 231.604	303.979	ppb	1.3199	0.4	672.576
Pb 220.353	749.267	ppb	3.7550	0.5	878.908
Sb 206.834	62.6202	ppb	0.8213	1.3	78.0341
Se 196.026	107.953	ppb	1.3389	1.2	36.6781
Sn 189.925	139.670	ppb	7.1288	5.1	84.3238
Sr 216.596	163.094	ppb	0.6620	0.4	1781.83
Ti 334.941	1638.43	ppb	15.5885	1.0	138144
Tl 190.794	57.2466	ppb	5.3975	9.4	7.6775
V 292.401	550.608	ppb	0.2732	0.0	9742.01
Zn 206.200	1968.03	ppb	4.2489	0.2	1627.06

mb 680-260035/1-a (Samp) **12/21/2012, 2:27:03 AM** **Rack 2, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1268u	-0.1635u	-0.0945u
Al 308.215	4.0913	7.0089	6.2193
As 188.980	0.3986	-2.5048u	-0.1433u
B 249.678	1.0896	1.4406	0.8525
Ba 389.178	0.6463	-1.0086u	-0.7823u
Be 313.042	-0.0041u	-0.0097u	-0.0019u
Ca 370.602	17.78	17.98	14.27
Cd 226.502	-0.0009	0.1464	0.1159
Co 228.615	-0.3335u	0.0449	0.1120
Cr 267.716	0.3753	0.2356	0.3996
Cu 324.754	0.6774	0.6290	0.7284
Fe 271.441	42.0318	33.4475	31.0562
K 766.491	9.9739	10.1216	9.5027
Mg 279.078	5.1352	4.9986	5.2245
Mn 257.610	0.5335	0.5153	0.5036
Mo 202.032	0.6085	0.2016	0.5228
Na 330.237	31.1168	161.441	-16.5169u
Ni 231.604	1.5817	0.7983	0.9205
Pb 220.353	-2.6890u	0.2605	-1.1082u
Sb 206.834	-0.2485u	-0.4419u	-0.7322u
Se 196.026	0.4139	-3.9521u	4.6431
Sn 189.925	7.6110	7.5246	6.9537
Sr 216.596	0.2879	0.5791	0.1123
Ti 334.941	0.6862	0.6952	0.6136
Tl 190.794	2.1939	1.7473	-5.9970u
V 292.401	-0.2640u	-0.1788u	-0.2277u
Zn 206.200	2.2144	0.6206	1.3041

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1283	ppb	0.0346	26.9	-13.2911
Al 308.215	5.7732	ppb	1.5091	26.1	40.2114
As 188.980	-0.7498	ppb	1.5438	205.9	-0.5226
B 249.678	1.1276	ppb	0.2959	26.2	54.0111
Ba 389.178	-0.3815	ppb	0.8973	235.2	-14.4185
Be 313.042	-0.0052	ppb	0.0040	76.5	-74.6132
Ca 370.602	16.68	ppb	2.089	12.5	48.58
Cd 226.502	0.0871	ppb	0.0777	89.2	3.9656
Co 228.615	-0.0589	ppb	0.2402	408.0	-6.8167
Cr 267.716	0.3368	ppb	0.0885	26.3	23.0804
Cu 324.754	0.6782	ppb	0.0497	7.3	236.441
Fe 271.441	35.5119	ppb	5.7717	16.3	20.4921
K 766.491	9.8661	ppb	0.3232	3.3	486.694
Mg 279.078	5.1194	ppb	0.1138	2.2	16.5005
Mn 257.610	0.5175	ppb	0.0151	2.9	43.0578
Mo 202.032	0.4443	ppb	0.2145	48.3	5.7492
Na 330.237	58.6802	ppb	92.1252	157.0	0.1353
Ni 231.604	1.1002	ppb	0.4215	38.3	1.0171
Pb 220.353	-1.1789	ppb	1.4760	125.2	0.6600
Sb 206.834	-0.4742	ppb	0.2435	51.3	0.1099
Se 196.026	0.3683	ppb	4.2978	1166.9	2.0086
Sn 189.925	7.3631	ppb	0.3572	4.9	3.5973
Sr 216.596	0.3264	ppb	0.2358	72.2	1.2784
Ti 334.941	0.6650	ppb	0.0447	6.7	38.9764
Tl 190.794	-0.6853	ppb	4.6055	672.1	-1.8303
V 292.401	-0.2235	ppb	0.0428	19.1	-3.2518
Zn 206.200	1.3797	ppb	0.7996	58.0	2.1597

lcs 680-260035/2-a (Samp) **12/21/2012, 2:33:29 AM** **Rack 2, Tube 55**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	54.5741	54.5173	55.5044
Al 308.215	5299.32	5309.04	5268.75
As 188.980	112.195	114.202	118.078
B 249.678	224.598	226.079	227.788
Ba 389.178	104.997	106.453	108.034
Be 313.042	59.0910	59.3172	59.6963
Ca 370.602	5461	5467	5479
Cd 226.502	54.2099	54.1954	54.5768
Co 228.615	53.4137	54.0100	54.5170
Cr 267.716	113.395	113.622	114.978
Cu 324.754	113.261	112.639	112.309
Fe 271.441	5501.04	5507.39	5536.32
K 766.491	5223.76	5256.68	5254.49
Mg 279.078	5540.78	5539.20	5596.45
Mn 257.610	585.442	586.986	599.639
Mo 202.032	107.911	107.754	108.824
Na 330.237	4968.69	5277.19	4949.62
Ni 231.604	110.215	110.032	112.734
Pb 220.353	53.4390	52.9774	53.0752
Sb 206.834	56.1428	54.7724	52.9411
Se 196.026	109.865	116.186	107.203
Sn 189.925	111.261	118.113	120.266
Sr 216.596	109.872	109.918	111.061
Ti 334.941	111.166	111.573	113.806
Tl 190.794	35.7848	35.7626	38.6457
V 292.401	109.446	110.393	110.352
Zn 206.200	110.152	113.197	114.308

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	54.8653	ppb	0.5543	1.0	2145.70
Al 308.215	5292.37	ppb	21.0269	0.4	16702.3
As 188.980	114.825	ppb	2.9907	2.6	58.1260
B 249.678	226.155	ppb	1.5962	0.7	2422.78
Ba 389.178	106.495	ppb	1.5190	1.4	1327.06
Be 313.042	59.3681	ppb	0.3059	0.5	62750.8
Ca 370.602	5469	ppb	9.243	0.2	12209
Cd 226.502	54.3273	ppb	0.2161	0.4	1653.20
Co 228.615	53.9803	ppb	0.5523	1.0	464.182
Cr 267.716	113.999	ppb	0.8559	0.8	3502.15
Cu 324.754	112.736	ppb	0.4834	0.4	5918.84
Fe 271.441	5514.92	ppb	18.8078	0.3	5627.42
K 766.491	5244.98	ppb	18.4098	0.4	162239
Mg 279.078	5558.81	ppb	32.6053	0.6	9158.60
Mn 257.610	590.689	ppb	7.7891	1.3	29268.1
Mo 202.032	108.163	ppb	0.5777	0.5	581.049
Na 330.237	5065.17	ppb	183.867	3.6	185.710
Ni 231.604	110.994	ppb	1.5096	1.4	241.441
Pb 220.353	53.1639	ppb	0.2432	0.5	63.9879
Sb 206.834	54.6188	ppb	1.6064	2.9	61.2712
Se 196.026	111.085	ppb	4.6141	4.2	36.8556
Sn 189.925	116.547	ppb	4.7023	4.0	70.2182
Sr 216.596	110.284	ppb	0.6734	0.6	888.270
Ti 334.941	112.182	ppb	1.4214	1.3	9442.85
Tl 190.794	36.7310	ppb	1.6582	4.5	15.3530
V 292.401	110.064	ppb	0.5355	0.5	1921.65
Zn 206.200	112.552	ppb	2.1519	1.9	93.7322

680-85835-a-19-b (Samp) **12/21/2012, 2:39:56 AM** **Rack 2, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.5936u	-1.8426u	-1.8579u
Al 308.215	221486	222469	222589
As 188.980	111.321	112.412	108.689
B 249.678	-22.4283u	-23.1666u	-24.9288u
Ba 389.178	2451.92	2450.81	2444.19
Be 313.042	3.8219	3.8305	3.8414
Ca 370.602	35429	35432	35381
Cd 226.502	3.0519	3.0835	2.6027
Co 228.615	14.7320	14.7093	14.9818
Cr 267.716	992.857	992.224	986.620
Cu 324.754	57.2690	57.1866	57.4129
Fe 271.441	259399	259636	259185
K 766.491	7013.31	7000.79	6985.05
Mg 279.078	7843.60	7849.02	7813.75
Mn 257.610	463.200	460.519	458.197
Mo 202.032	11.0026	11.1323	10.4646
Na 330.237	902.879u	679.807u	755.880u
Ni 231.604	37.9846	39.7423	38.7344
Pb 220.353	115.704	108.075	115.724
Sb 206.834	8.6154	4.5790	4.3521
Se 196.026	14.7113	22.2777	13.7285
Sn 189.925	19.2298	18.3767	18.6672
Sr 216.596	220.874	220.498	218.088
Ti 334.941	934.881	931.555	921.526
Tl 190.794	16.5919u	18.3512u	12.3993u
V 292.401	696.321	696.083	693.779
Zn 206.200	107.760	108.046	104.592

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7647	ppb	0.1484	8.4	-118.698
Al 308.215	222181	ppb	605.241	0.3	700061
As 188.980	110.807	ppb	1.9140	1.7	56.1075
B 249.678	-23.5079	ppb	1.2847	5.5	-338.757
Ba 389.178	2448.97	ppb	4.1774	0.2	30653.6
Be 313.042	3.8313	ppb	0.0098	0.3	4046.10
Ca 370.602	35414	ppb	28.54	0.1	18875
Cd 226.502	2.9127	ppb	0.2689	9.2	691.451
Co 228.615	14.8077	ppb	0.1512	1.0	147.402
Cr 267.716	990.567	ppb	3.4331	0.3	30381.8
Cu 324.754	57.2895	ppb	0.1145	0.2	3111.73
Fe 271.441	259407	ppb	225.810	0.1	265202
K 766.491	6999.72	ppb	14.1578	0.2	216456
Mg 279.078	7835.46	ppb	18.9946	0.2	12906.4
Mn 257.610	460.639	ppb	2.5037	0.5	22944.3
Mo 202.032	10.8665	ppb	0.3541	3.3	56.1242
Na 330.237	779.522	ppb	113.400	14.5	-24.2551
Ni 231.604	38.8205	ppb	0.8820	2.3	91.0099
Pb 220.353	113.168	ppb	4.4104	3.9	132.803
Sb 206.834	5.8489	ppb	2.3986	41.0	18.2273
Se 196.026	16.9058	ppb	4.6780	27.7	7.8604
Sn 189.925	18.7579	ppb	0.4337	2.3	10.5485
Sr 216.596	219.820	ppb	1.5116	0.7	2146.43
Ti 334.941	929.321	ppb	6.9521	0.7	78364.9
Tl 190.794	15.7808	ppb	3.0578	19.4	-9.5350
V 292.401	695.394	ppb	1.4040	0.2	12263.5
Zn 206.200	106.799	ppb	1.9169	1.8	86.6746

680-85835-c-20-a (Samp) **12/21/2012, 2:46:23 AM** **Rack 2, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.0522u	-0.8976u	-1.1494u
Al 308.215	161140	162588	161964
As 188.980	43.9487	41.0165	43.8907
B 249.678	-4.7935u	-5.4142u	-5.4027u
Ba 389.178	754.007	756.786	753.429
Be 313.042	2.3736	2.3886	2.3913
Ca 370.602	15138	15111	15123
Cd 226.502	1.1399	1.0380	0.9057
Co 228.615	10.9114	10.6733	10.4251
Cr 267.716	203.222	203.114	203.797
Cu 324.754	33.8181	33.4779	33.9651
Fe 271.441	133754	134347	134216
K 766.491	5384.80	5404.87	5408.26
Mg 279.078	7458.71	7466.95	7468.01
Mn 257.610	140.272	139.404	140.088
Mo 202.032	3.3966	3.3458	3.8978
Na 330.237	718.208u	685.965u	562.087u
Ni 231.604	25.7741	26.1407	25.4897
Pb 220.353	92.4743	95.6017	96.0052
Sb 206.834	2.2671	7.1955	5.8654
Se 196.026	11.6473	5.3736	7.6949
Sn 189.925	14.1541	12.7431	16.4081
Sr 216.596	130.135	130.841	130.508
Ti 334.941	833.555	830.754	832.496
Tl 190.794	12.9293u	12.6686u	8.6375u
V 292.401	403.265	405.127	404.463
Zn 206.200	86.9169	87.7224	83.3352

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0331	ppb	0.1270	12.3	-69.9923
Al 308.215	161897	ppb	726.461	0.4	510117
As 188.980	42.9520	ppb	1.6764	3.9	21.6620
B 249.678	-5.2034	ppb	0.3550	6.8	-81.3450
Ba 389.178	754.741	ppb	1.7946	0.2	9451.91
Be 313.042	2.3845	ppb	0.0096	0.4	2496.33
Ca 370.602	15124	ppb	13.85	0.1	1926
Cd 226.502	1.0278	ppb	0.1174	11.4	348.134
Co 228.615	10.6700	ppb	0.2432	2.3	105.639
Cr 267.716	203.378	ppb	0.3670	0.2	6264.61
Cu 324.754	33.7537	ppb	0.2499	0.7	1919.70
Fe 271.441	134105	ppb	311.632	0.2	137094
K 766.491	5399.31	ppb	12.6813	0.2	167008
Mg 279.078	7464.56	ppb	5.0906	0.1	12295.1
Mn 257.610	139.921	ppb	0.4572	0.3	7010.73
Mo 202.032	3.5467	ppb	0.3051	8.6	20.5313
Na 330.237	655.420	ppb	82.4209	12.6	-5.5671
Ni 231.604	25.8015	ppb	0.3263	1.3	58.9974
Pb 220.353	94.6937	ppb	1.9326	2.0	110.453
Sb 206.834	5.1093	ppb	2.5497	49.9	11.3054
Se 196.026	8.2386	ppb	3.1720	38.5	4.8193
Sn 189.925	14.4351	ppb	1.8486	12.8	7.9107
Sr 216.596	130.495	ppb	0.3532	0.3	1243.54
Ti 334.941	832.268	ppb	1.4147	0.2	70165.0
Tl 190.794	11.4118	ppb	2.4062	21.1	-4.0935
V 292.401	404.285	ppb	0.9434	0.2	7135.84
Zn 206.200	85.9915	ppb	2.3354	2.7	71.8280

680-85835-a-21-a (Samp) **12/21/2012, 2:52:51 AM** **Rack 2, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.4666u	-1.3187u	-1.2564u
Al 308.215	78250.6	77485.4	78049.6
As 188.980	31.6169	31.4594	31.1605
B 249.678	7.8545	8.5603	7.5641
Ba 389.178	22247.9x	22339.1x	22284.9x
Be 313.042	2.5245	2.5362	2.5342
Ca 370.602	11023	11071	11044
Cd 226.502	0.5376	0.6933	0.5422
Co 228.615	15.6151	15.1170	16.2224
Cr 267.716	483.670	487.233	485.242
Cu 324.754	28.4032	28.7274	28.1995
Fe 271.441	79997.7	80130.4	80128.8
K 766.491	3871.76	3865.22	3867.15
Mg 279.078	4632.53	4679.47	4665.08
Mn 257.610	956.609	975.036	965.077
Mo 202.032	4.7301	4.3486	5.3079
Na 330.237	482.370	519.140	479.671
Ni 231.604	32.2292	34.4518	34.1830
Pb 220.353	80.3921	82.7156	81.5272
Sb 206.834	5.5649	2.9210	2.8111
Se 196.026	9.6220	-5.6003u	4.7892
Sn 189.925	14.8737	10.9824	12.1023
Sr 216.596	235.412	236.843	237.146
Ti 334.941	695.550	710.246	702.030
Tl 190.794	0.3161u	3.1912u	4.1610u
V 292.401	164.459	164.831	164.614
Zn 206.200	129.373	128.456	129.195

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3472b	ppb	0.1080	8.0	-74.9825
Al 308.215	77928.5b	ppb	396.720	0.5	245552
As 188.980	31.4123b	ppb	0.2318	0.7	15.8036
B 249.678	7.9930b	ppb	0.5123	6.4	85.3249
Ba 389.178	22290.6xb	ppb	45.8680	0.2	278731
Be 313.042	2.5316b	ppb	0.0062	0.2	2629.02
Ca 370.602	11046b	ppb	24.10	0.2	6181
Cd 226.502	0.5910b	ppb	0.0886	15.0	206.001
Co 228.615	15.6515b	ppb	0.5536	3.5	144.876
Cr 267.716	485.382b	ppb	1.7859	0.4	14884.3
Cu 324.754	28.4434b	ppb	0.2662	0.9	1650.69
Fe 271.441	80085.6b	ppb	76.1584	0.1	81864.4
K 766.491	3868.04b	ppb	3.3624	0.1	119695
Mg 279.078	4659.03b	ppb	24.0490	0.5	7671.56
Mn 257.610	965.574b	ppb	9.2235	1.0	47859.4
Mo 202.032	4.7955b	ppb	0.4830	10.1	27.5889
Na 330.237	493.727b	ppb	22.0497	4.5	-1.4146
Ni 231.604	33.6213b	ppb	1.2131	3.6	74.4716
Pb 220.353	81.5450b	ppb	1.1619	1.4	96.5523
Sb 206.834	3.7657b	ppb	1.5591	41.4	9.1675
Se 196.026	2.9370b	ppb	7.7784	264.8	3.0152
Sn 189.925	12.6528b	ppb	2.0032	15.8	6.8245
Sr 216.596	236.467b	ppb	0.9265	0.4	2015.56
Ti 334.941	702.609b	ppb	7.3652	1.0	59233.9
Tl 190.794	2.5561b	ppb	1.9996	78.2	-4.5143
V 292.401	164.635b	ppb	0.1867	0.1	2907.01
Zn 206.200	129.008b	ppb	0.4862	0.4	106.242

680-85835-a-22-a (Samp) **12/21/2012, 2:59:18 AM** **Rack 2, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.6861u	-1.4453u	-1.4581u
Al 308.215	38246.3	38365.1	38411.8
As 188.980	17.7103	18.2826	20.4005
B 249.678	-0.1390u	-0.2534u	-0.2957u
Ba 389.178	471.048	468.897	468.533
Be 313.042	1.6572	1.6589	1.6411
Ca 370.602	3258u	3246u	3242u
Cd 226.502	0.1783	0.2498	0.2532
Co 228.615	6.4913	6.6402	6.5192
Cr 267.716	78.8328	78.2212	77.6730
Cu 324.754	10.4340	10.3400	10.1506
Fe 271.441	34085.8	34036.7	33902.1
K 766.491	1216.98	1217.97	1213.59
Mg 279.078	1585.37	1575.17	1569.43
Mn 257.610	1062.65	1054.14	1038.46
Mo 202.032	1.8715	2.7122	1.6808
Na 330.237	232.570u	193.331u	245.309u
Ni 231.604	13.2107	14.5469	13.4300
Pb 220.353	58.7210	58.7799	59.7477
Sb 206.834	4.0032	2.2718	2.1174
Se 196.026	-5.0426u	2.8366	4.6778
Sn 189.925	10.3732	10.7860	8.1391
Sr 216.596	24.5248	24.7858	24.5947
Ti 334.941	818.118	811.055	800.403
Tl 190.794	2.4784u	6.3151	4.7760
V 292.401	82.8946	82.3505	82.0933
Zn 206.200	39.8545	37.4891	39.4857

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5299	ppb	0.1355	8.9	-73.6883
Al 308.215	38341.1	ppb	85.3151	0.2	120824
As 188.980	18.7978	ppb	1.4172	7.5	9.4005
B 249.678	-0.2294	ppb	0.0810	35.3	22.2984
Ba 389.178	469.493	ppb	1.3590	0.3	5866.84
Be 313.042	1.6524	ppb	0.0098	0.6	1699.47
Ca 370.602	3249	ppb	8.581	0.3	-924.1
Cd 226.502	0.2271	ppb	0.0423	18.6	87.9789
Co 228.615	6.5502	ppb	0.0791	1.2	65.8438
Cr 267.716	78.2423	ppb	0.5802	0.7	2414.40
Cu 324.754	10.3082	ppb	0.1444	1.4	733.254
Fe 271.441	34008.2	ppb	95.0785	0.3	34754.4
K 766.491	1216.18	ppb	2.2983	0.2	37758.9
Mg 279.078	1576.66	ppb	8.0713	0.5	2594.50
Mn 257.610	1051.75	ppb	12.2723	1.2	52102.4
Mo 202.032	2.0882	ppb	0.5488	26.3	14.0383
Na 330.237	223.736	ppb	27.0917	12.1	-3.0169
Ni 231.604	13.7292	ppb	0.7166	5.2	29.6189
Pb 220.353	59.0829	ppb	0.5765	1.0	70.4999
Sb 206.834	2.7975	ppb	1.0471	37.4	5.1022
Se 196.026	0.8239	ppb	5.1633	626.7	2.2368
Sn 189.925	9.7661	ppb	1.4241	14.6	5.0629
Sr 216.596	24.6351	ppb	0.1351	0.5	246.150
Ti 334.941	809.859	ppb	8.9180	1.1	68268.3
Tl 190.794	4.5231	ppb	1.9308	42.7	-0.7495
V 292.401	82.4461	ppb	0.4091	0.5	1461.25
Zn 206.200	38.9431	ppb	1.2727	3.3	33.0406

680-85835-a-23-a (Samp) **12/21/2012, 3:05:46 AM** **Rack 2, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.8802	1.3322	1.8094
Al 308.215	16448.6	16300.1	16168.0
As 188.980	8.4495	7.9177	13.3620
B 249.678	5.1044	5.6602	5.6356
Ba 389.178	48188.7x	48256.1x	48381.2x
Be 313.042	0.6545	0.6551	0.6465
Ca 370.602	4629	4629	4629
Cd 226.502	-0.0187	-0.0811	0.1433
Co 228.615	7.5107	6.9009	8.1920
Cr 267.716	35.6935	35.5399	35.5495
Cu 324.754	16.7742	16.5775	16.7039
Fe 271.441	16886.1	16834.0	16883.5
K 766.491	1875.12	1872.72	1880.08
Mg 279.078	1888.22	1888.51	1901.13
Mn 257.610	969.662	978.335	996.303
Mo 202.032	2.0411	1.6261	2.0189
Na 330.237	309.706	199.928	232.222
Ni 231.604	17.8919	15.3861	16.9941
Pb 220.353	87.7116	87.3822	86.8733
Sb 206.834	1.2466	1.2843	4.3542
Se 196.026	-6.1141u	-0.2217u	-8.7242u
Sn 189.925	10.2604	9.6830	8.4087
Sr 216.596	673.971	675.361	680.439
Ti 334.941	652.565	655.445	671.249
Tl 190.794	-2.4901u	0.5147u	0.4490u
V 292.401	36.8183	37.2669	37.2397
Zn 206.200	43.7680	39.6359	42.0687

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.6739b	ppb	0.2981	17.8	50.6078
Al 308.215	16305.5b	ppb	140.378	0.9	51396.3
As 188.980	9.9097b	ppb	3.0016	30.3	4.8884
B 249.678	5.4668b	ppb	0.3140	5.7	91.1254
Ba 389.178	48275.3xb	ppb	97.7062	0.2	603637
Be 313.042	0.6521b	ppb	0.0048	0.7	624.771
Ca 370.602	4629b	ppb	0.3962	0.0	7109
Cd 226.502	0.0145b	ppb	0.1158	798.3	41.1630
Co 228.615	7.5345b	ppb	0.6458	8.6	71.2611
Cr 267.716	35.5943b	ppb	0.0861	0.2	1105.61
Cu 324.754	16.6852b	ppb	0.0997	0.6	1055.09
Fe 271.441	16867.8b	ppb	29.3590	0.2	17230.4
K 766.491	1875.97b	ppb	3.7519	0.2	58144.9
Mg 279.078	1892.62b	ppb	7.3715	0.4	3116.49
Mn 257.610	981.433b	ppb	13.5877	1.4	48614.0
Mo 202.032	1.8954b	ppb	0.2335	12.3	13.2014
Na 330.237	247.286b	ppb	56.4177	22.8	1.5084
Ni 231.604	16.7574b	ppb	1.2695	7.6	35.7539
Pb 220.353	87.3224b	ppb	0.4223	0.5	103.823
Sb 206.834	2.2950b	ppb	1.7834	77.7	3.8068
Se 196.026	-5.0200b	ppb	4.3556	86.8	0.3519
Sn 189.925	9.4507b	ppb	0.9474	10.0	4.8718
Sr 216.596	676.590b	ppb	3.4046	0.5	5459.45
Ti 334.941	659.753b	ppb	10.0595	1.5	55610.8
Tl 190.794	-0.5088b	ppb	1.7162	337.3	-2.0891
V 292.401	37.1083b	ppb	0.2515	0.7	660.122
Zn 206.200	41.8242b	ppb	2.0769	5.0	35.5282

680-85835-a-24-a (Samp) **12/21/2012, 3:25:09 AM** **Rack 3, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.8365	1.2245	1.0607
Al 308.215	8416.80	8432.20	8450.63
As 188.980	0.9760	2.3027	5.4987
B 249.678	4.8951	5.1737	4.5886
Ba 389.178	6728.95	6743.51	6746.90
Be 313.042	0.2572	0.2465	0.2555
Ca 370.602	1150	1159	1149
Cd 226.502	0.1119	-0.1855	0.1524
Co 228.615	1.4717	1.9710	0.7274
Cr 267.716	20.0746	19.6762	20.0040
Cu 324.754	5.7789	5.3045	5.5404
Fe 271.441	5734.70	5728.71	5743.36
K 766.491	991.202	993.320	990.999
Mg 279.078	565.328	563.893	561.537
Mn 257.610	144.700	145.071	144.124
Mo 202.032	1.1214	1.2454	1.5224
Na 330.237	124.116	69.9611u	47.1902u
Ni 231.604	6.8411	6.7399	6.2402
Pb 220.353	31.5672	32.8133	34.8698
Sb 206.834	3.0274	5.4065	3.7037
Se 196.026	-8.2812u	-4.6818u	-0.9309u
Sn 189.925	10.8904	10.8743	7.8224
Sr 216.596	103.778	104.941	105.140
Ti 334.941	637.428	639.560	636.912
Tl 190.794	-2.6211u	-3.7067u	-0.2591u
V 292.401	23.1400	22.5117	23.0830
Zn 206.200	16.0410	13.9082	13.8977

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0406	ppb	0.1948	18.7	31.1001
Al 308.215	8433.21	ppb	16.9417	0.2	26592.9
As 188.980	2.9258	ppb	2.3249	79.5	1.3431
B 249.678	4.8858	ppb	0.2927	6.0	90.6933
Ba 389.178	6739.79	ppb	9.5369	0.1	84267.1
Be 313.042	0.2531	ppb	0.0058	2.3	210.294
Ca 370.602	1153	ppb	5.428	0.5	1385
Cd 226.502	0.0263	ppb	0.1845	702.0	15.8394
Co 228.615	1.3900	ppb	0.6258	45.0	16.8442
Cr 267.716	19.9183	ppb	0.2126	1.1	623.517
Cu 324.754	5.5413	ppb	0.2372	4.3	490.018
Fe 271.441	5735.59	ppb	7.3626	0.1	5848.51
K 766.491	991.841	ppb	1.2855	0.1	30827.3
Mg 279.078	563.586	ppb	1.9136	0.3	934.663
Mn 257.610	144.632	ppb	0.4771	0.3	7180.72
Mo 202.032	1.2964	ppb	0.2053	15.8	10.2567
Na 330.237	80.4224	ppb	39.5155	49.1	-2.4549
Ni 231.604	6.6071	ppb	0.3217	4.9	13.2260
Pb 220.353	33.0834	ppb	1.6678	5.0	40.3559
Sb 206.834	4.0459	ppb	1.2259	30.3	5.4347
Se 196.026	-4.6313	ppb	3.6754	79.4	0.4494
Sn 189.925	9.8624	ppb	1.7667	17.9	5.1223
Sr 216.596	104.620	ppb	0.7359	0.7	847.519
Ti 334.941	637.967	ppb	1.4040	0.2	53773.1
Tl 190.794	-2.1956	ppb	1.7627	80.3	-2.5886
V 292.401	22.9116	ppb	0.3475	1.5	409.340
Zn 206.200	14.6156	ppb	1.2344	8.4	13.0523

680-85835-a-25-a (Samp) **12/21/2012, 3:31:37 AM** **Rack 3, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.4103u	-2.5413u	-2.3913u
Al 308.215	160929	162331	162357
As 188.980	24.8336	31.9084	32.5636
B 249.678	4.5398u	4.1382u	3.5086u
Ba 389.178	1954.71	1960.20	1958.61
Be 313.042	6.6609	6.6624	6.6689
Ca 370.602	34625	34749	34740
Cd 226.502	1.0599	0.8171	0.8694
Co 228.615	42.9579	42.8191	42.6796
Cr 267.716	168.362	168.429	168.799
Cu 324.754	30.5320	30.4344	30.2490
Fe 271.441	101606	101839	101925
K 766.491	3489.34	3491.96	3500.91
Mg 279.078	9822.71	9818.51	9817.29
Mn 257.610	2941.86	2923.66	2923.54
Mo 202.032	2.7951	2.8272	3.2656
Na 330.237	2575.34	2859.84	2795.87
Ni 231.604	53.1624	53.2317	56.2106
Pb 220.353	131.144	129.329	132.612
Sb 206.834	3.2285	1.7446	-0.8181
Se 196.026	2.7712	15.1334	6.5922
Sn 189.925	13.7107	18.7301	15.9064
Sr 216.596	172.534	172.369	171.481
Ti 334.941	785.226	780.583	779.166
Tl 190.794	5.3662u	8.2111u	16.2931
V 292.401	268.711	268.909	269.045
Zn 206.200	170.112	170.061	169.980

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4476	ppb	0.0817	3.3	-120.945
Al 308.215	161873	ppb	816.924	0.5	510033
As 188.980	29.7686	ppb	4.2863	14.4	14.9695
B 249.678	4.0622	ppb	0.5198	12.8	32.7886
Ba 389.178	1957.84	ppb	2.8252	0.1	24490.7
Be 313.042	6.6641	ppb	0.0043	0.1	7021.02
Ca 370.602	34705	ppb	69.36	0.2	59486
Cd 226.502	0.9154	ppb	0.1278	14.0	275.276
Co 228.615	42.8189	ppb	0.1391	0.3	383.996
Cr 267.716	168.530	ppb	0.2357	0.1	5191.94
Cu 324.754	30.4051	ppb	0.1437	0.5	1750.30
Fe 271.441	101790	ppb	165.132	0.2	104057
K 766.491	3494.07	ppb	6.0665	0.2	108140
Mg 279.078	9819.50	ppb	2.8448	0.0	16147.3
Mn 257.610	2929.69	ppb	10.5420	0.4	145110
Mo 202.032	2.9626	ppb	0.2629	8.9	18.7055
Na 330.237	2743.68	ppb	149.256	5.4	78.3096
Ni 231.604	54.2016	ppb	1.7402	3.2	120.210
Pb 220.353	131.028	ppb	1.6445	1.3	152.602
Sb 206.834	1.3850	ppb	2.0471	147.8	6.5412
Se 196.026	8.1656	ppb	6.3295	77.5	4.7159
Sn 189.925	16.1157	ppb	2.5162	15.6	8.9448
Sr 216.596	172.128	ppb	0.5666	0.3	1530.94
Ti 334.941	781.658	ppb	3.1699	0.4	65896.2
Tl 190.794	9.9568	ppb	5.6688	56.9	-1.4806
V 292.401	268.888	ppb	0.1678	0.1	4744.98
Zn 206.200	170.051	ppb	0.0663	0.0	141.357

680-85835-a-26-a (Samp) **12/21/2012, 3:38:04 AM** **Rack 3, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.8924u	-2.7836u	-2.8219u
Al 308.215	100131	98990.2	100006
As 188.980	25.4049	28.9952	26.0299
B 249.678	9.9388	10.5958	10.4087
Ba 389.178	990.881	992.833	994.407
Be 313.042	4.7183	4.7287	4.7435
Ca 370.602	22748	22746	22810
Cd 226.502	0.7167	0.5377	0.5252
Co 228.615	31.4627	31.0142	30.6891
Cr 267.716	109.238	109.777	109.497
Cu 324.754	18.7321	18.8153	18.7865
Fe 271.441	73783.5	73667.4	74167.3
K 766.491	4136.29	4133.91	4142.97
Mg 279.078	9056.16	9092.37	9130.50
Mn 257.610	975.469	991.763	986.767
Mo 202.032	1.0229	1.2831	0.6569
Na 330.237	3500.03	3368.11	3619.55
Ni 231.604	47.6002	48.3656	48.1474
Pb 220.353	60.0953	62.8254	61.9099
Sb 206.834	1.0554	1.3694	2.6734
Se 196.026	-0.3449	-9.1491u	-3.6764u
Sn 189.925	14.5225	13.1015	10.9653
Sr 216.596	129.118	130.468	129.546
Ti 334.941	1170.65	1191.21	1185.86
Tl 190.794	7.0233u	1.5047u	7.5056u
V 292.401	193.813	193.905	194.524
Zn 206.200	114.659	115.552	118.218

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.8326	ppb	0.0552	1.9	-131.637
Al 308.215	99709.3	ppb	625.825	0.6	314177
As 188.980	26.8100	ppb	1.9181	7.2	13.4681
B 249.678	10.3144	ppb	0.3385	3.3	112.943
Ba 389.178	992.707	ppb	1.7661	0.2	12419.0
Be 313.042	4.7302	ppb	0.0127	0.3	4973.95
Ca 370.602	22768	ppb	36.48	0.2	37111
Cd 226.502	0.5932	ppb	0.1072	18.1	196.030
Co 228.615	31.0553	ppb	0.3884	1.3	287.232
Cr 267.716	109.504	ppb	0.2700	0.2	3379.55
Cu 324.754	18.7780	ppb	0.0422	0.2	1165.94
Fe 271.441	73872.7	ppb	261.653	0.4	75513.6
K 766.491	4137.72	ppb	4.6962	0.1	128027
Mg 279.078	9093.01	ppb	37.1731	0.4	14971.7
Mn 257.610	984.667	ppb	8.3480	0.8	48806.1
Mo 202.032	0.9877	ppb	0.3146	31.8	7.9321
Na 330.237	3495.90	ppb	125.772	3.6	110.425
Ni 231.604	48.0377	ppb	0.3943	0.8	105.920
Pb 220.353	61.6102	ppb	1.3895	2.3	72.3231
Sb 206.834	1.6994	ppb	0.8580	50.5	5.4318
Se 196.026	-4.3901	ppb	4.4453	101.3	0.6962
Sn 189.925	12.8631	ppb	1.7905	13.9	6.9578
Sr 216.596	129.711	ppb	0.6900	0.5	1148.90
Ti 334.941	1182.57	ppb	10.6666	0.9	99696.3
Tl 190.794	5.3445	ppb	3.3342	62.4	-2.7112
V 292.401	194.081	ppb	0.3864	0.2	3432.68
Zn 206.200	116.143	ppb	1.8513	1.6	96.9364

680-85835-a-27-a (Samp) **12/21/2012, 3:44:32 AM** **Rack 3, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.5308u	-2.8546u	-2.2285u
Al 308.215	52687.9	52847.8	53205.6
As 188.980	18.6894	13.9311	14.6688
B 249.678	4.9137	5.8032	5.2250
Ba 389.178	656.955	656.018	655.623
Be 313.042	4.1894	4.2205	4.2513
Ca 370.602	13598	13598	13623
Cd 226.502	0.3254	0.4704	0.2334
Co 228.615	62.3017	63.6503	62.7149
Cr 267.716	63.8252	64.1805	63.5747
Cu 324.754	19.1884	19.6002	19.6323
Fe 271.441	47772.8	47787.6	47886.9
K 766.491	2905.94	2915.54	2909.42
Mg 279.078	5217.83	5206.69	5194.28
Mn 257.610	1906.63	1897.52	1881.68
Mo 202.032	1.3466	0.8826	0.9740
Na 330.237	3020.64	3022.02	3033.09
Ni 231.604	40.2801	38.8761	38.6580
Pb 220.353	68.7835	68.9378	68.7023
Sb 206.834	1.5874	1.7883	1.3036
Se 196.026	4.9260	5.7284	-0.8377u
Sn 189.925	10.9556	10.5998	11.2803
Sr 216.596	84.1357	84.7525	84.5118
Ti 334.941	818.423	814.573	806.730
Tl 190.794	6.5465	3.8524	7.0824
V 292.401	127.419	128.070	127.940
Zn 206.200	78.4766	79.9208	80.5911

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.5380	ppb	0.3131	12.3	-115.800
Al 308.215	52913.8	ppb	265.053	0.5	166739
As 188.980	15.7631	ppb	2.5609	16.2	7.8601
B 249.678	5.3140	ppb	0.4514	8.5	73.6618
Ba 389.178	656.199	ppb	0.6843	0.1	8205.29
Be 313.042	4.2204	ppb	0.0309	0.7	4421.07
Ca 370.602	13607	ppb	14.40	0.1	21264
Cd 226.502	0.3431	ppb	0.1195	34.8	124.333
Co 228.615	62.8890	ppb	0.6909	1.1	557.805
Cr 267.716	63.8601	ppb	0.3044	0.5	1977.08
Cu 324.754	19.4736	ppb	0.2476	1.3	1197.55
Fe 271.441	47815.8	ppb	62.0278	0.1	48875.0
K 766.491	2910.30	ppb	4.8584	0.2	90103.1
Mg 279.078	5206.27	ppb	11.7818	0.2	8565.04
Mn 257.610	1895.27	ppb	12.6256	0.7	93871.9
Mo 202.032	1.0677	ppb	0.2458	23.0	8.3561
Na 330.237	3025.25	ppb	6.8279	0.2	99.1568
Ni 231.604	39.2714	ppb	0.8804	2.2	85.9141
Pb 220.353	68.8079	ppb	0.1196	0.2	81.8187
Sb 206.834	1.5598	ppb	0.2436	15.6	4.0580
Se 196.026	3.2722	ppb	3.5819	109.5	3.0415
Sn 189.925	10.9452	ppb	0.3404	3.1	5.7858
Sr 216.596	84.4667	ppb	0.3109	0.4	746.765
Ti 334.941	813.242	ppb	5.9590	0.7	68554.0
Tl 190.794	5.8271	ppb	1.7310	29.7	-0.5371
V 292.401	127.810	ppb	0.3443	0.3	2259.74
Zn 206.200	79.6628	ppb	1.0806	1.4	66.8243

680-85835-a-28-a (Samp) **12/21/2012, 3:51:00 AM** **Rack 3, Tube 7**

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

Label	Replicates Concentration		
Ag 328.068	-2.0546u	-2.2005u	-2.3629u
Al 308.215	64293.7	63425.3	63415.4
As 188.980	22.3062	24.7794	30.9660
B 249.678	5.0138	5.9338	5.7357
Ba 389.178	533.655	533.082	534.019
Be 313.042	4.9014	4.8900	4.8909
Ca 370.602	14517	14502	14513
Cd 226.502	0.3979	0.3721	0.6086
Co 228.615	57.0619	55.2719	56.0669
Cr 267.716	77.4895	77.6574	77.9694
Cu 324.754	23.6112	23.6100	23.9219
Fe 271.441	58964.6	58837.7	58924.3
K 766.491	3481.32	3469.42	3474.63
Mg 279.078	6461.50	6467.21	6493.28
Mn 257.610	1130.07	1147.60	1151.53
Mo 202.032	1.8655	1.4856	1.9740
Na 330.237	3571.49	3613.62	3761.85
Ni 231.604	46.1739	46.6515	47.0142
Pb 220.353	67.7330	68.1878	68.4680
Sb 206.834	3.0620	-0.5964	2.4329
Se 196.026	-3.7917u	2.3490	4.4498
Sn 189.925	10.4479	12.1866	12.8801
Sr 216.596	90.2730	90.2351	90.7710
Ti 334.941	861.972	874.775	878.816
Tl 190.794	2.9878u	2.0385u	3.7242u
V 292.401	155.739	156.067	156.072
Zn 206.200	88.4268	90.0863	88.1449

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2060	ppb	0.1543	7.0	-104.508
Al 308.215	63711.4	ppb	504.231	0.8	200759
As 188.980	26.0172	ppb	4.4606	17.1	13.0655
B 249.678	5.5611	ppb	0.4842	8.7	70.5511
Ba 389.178	533.585	ppb	0.4723	0.1	6674.64
Be 313.042	4.8941	ppb	0.0063	0.1	5136.86
Ca 370.602	14511	ppb	8.182	0.1	20517
Cd 226.502	0.4595	ppb	0.1297	28.2	153.865
Co 228.615	56.1336	ppb	0.8969	1.6	500.232
Cr 267.716	77.7055	ppb	0.2435	0.3	2403.13
Cu 324.754	23.7144	ppb	0.1797	0.8	1412.96
Fe 271.441	58908.8	ppb	64.8475	0.1	60216.1
K 766.491	3475.13	ppb	5.9655	0.2	107555
Mg 279.078	6474.00	ppb	16.9437	0.3	10659.3
Mn 257.610	1143.07	ppb	11.4251	1.0	56639.0
Mo 202.032	1.7750	ppb	0.2565	14.4	11.9429
Na 330.237	3648.99	ppb	99.9891	2.7	120.214
Ni 231.604	46.6132	ppb	0.4215	0.9	102.306
Pb 220.353	68.1296	ppb	0.3709	0.5	80.8090
Sb 206.834	1.6328	ppb	1.9560	119.8	4.5066
Se 196.026	1.0024	ppb	4.2826	427.3	2.3552
Sn 189.925	11.8382	ppb	1.2530	10.6	6.3305
Sr 216.596	90.4264	ppb	0.2991	0.3	810.791
Ti 334.941	871.855	ppb	8.7934	1.0	73496.6
Tl 190.794	2.9168	ppb	0.8451	29.0	-2.9042
V 292.401	155.959	ppb	0.1908	0.1	2757.94
Zn 206.200	88.8860	ppb	1.0490	1.2	74.4452

680-85731-b-21-b (Samp) **12/21/2012, 3:57:28 AM** **Rack 3, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3551u	0.7220u	0.2567u
Al 308.215	162766	163358	163807
As 188.980	171.007	170.414	178.537
B 249.678	-14.8017u	-15.1502u	-14.1174u
Ba 389.178	1579.28	1576.61	1579.26
Be 313.042	9.6901	9.6874	9.6739
Ca 370.602	175609	175772	175727
Cd 226.502	57.5953	57.9548	57.2975
Co 228.615	59.9685	61.9680	62.7868
Cr 267.716	444.046	443.253	442.184
Cu 324.754	3398.37	3366.01	3428.76
Fe 271.441	353725	353655	353877
K 766.491	14114.1	14118.9	14177.7
Mg 279.078	18120.1	18060.0	18051.3
Mn 257.610	7444.29	7413.39	7391.37
Mo 202.032	35.5515	34.2064	35.1940
Na 330.237	1178.16u	995.687u	854.666u
Ni 231.604	174.541	170.437	171.855
Pb 220.353	1174.92	1168.45	1167.14
Sb 206.834	30.6558	25.5517	29.6915
Se 196.026	7.9515	14.5039	13.7007
Sn 189.925	74.8346	73.4024	73.0487
Sr 216.596	242.755	242.326	242.661
Ti 334.941	1970.11	1963.07	1957.94
Tl 190.794	10.9349u	16.8825u	18.9653u
V 292.401	397.768	398.695	399.075
Zn 206.200	7876.79	7875.45	7890.36

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4446	ppb	0.2452	55.2	-47.6665
Al 308.215	163310	ppb	522.498	0.3	514568
As 188.980	173.319	ppb	4.5284	2.6	87.8368
B 249.678	-14.6898	ppb	0.5254	3.6	-294.211
Ba 389.178	1578.38	ppb	1.5344	0.1	19773.8
Be 313.042	9.6838	ppb	0.0087	0.1	10264.3
Ca 370.602	175702	ppb	84.14	0.0	343978
Cd 226.502	57.6159	ppb	0.3291	0.6	2552.33
Co 228.615	61.5744	ppb	1.4497	2.4	575.886
Cr 267.716	443.161	ppb	0.9341	0.2	13649.5
Cu 324.754	3397.71	ppb	31.3763	0.9	172442
Fe 271.441	353753	ppb	113.594	0.0	361660
K 766.491	14136.9	ppb	35.4052	0.3	436978
Mg 279.078	18077.2	ppb	37.4425	0.2	29729.5
Mn 257.610	7416.35	ppb	26.5850	0.4	367349
Mo 202.032	34.9840	ppb	0.6967	2.0	180.373
Na 330.237	1009.50	ppb	162.188	16.1	-72.0102
Ni 231.604	172.278	ppb	2.0846	1.2	385.512
Pb 220.353	1170.17	ppb	4.1674	0.4	1371.86
Sb 206.834	28.6330	ppb	2.7117	9.5	41.5858
Se 196.026	12.0520	ppb	3.5738	29.7	6.5693
Sn 189.925	73.7619	ppb	0.9457	1.3	44.1508
Sr 216.596	242.581	ppb	0.2254	0.1	2468.83
Ti 334.941	1963.70	ppb	6.1138	0.3	165572
Tl 190.794	15.5942	ppb	4.1674	26.7	-12.2481
V 292.401	398.513	ppb	0.6724	0.2	7073.43
Zn 206.200	7880.87	ppb	8.2480	0.1	6512.17

680-85731-b-21-b (Samp) **12/21/2012, 4:03:56 AM** **Rack 3, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2542u	0.0160u	0.3577
Al 308.215	32974.6	32607.9	31966.1
As 188.980	40.2352	35.2875	32.1392
B 249.678	-3.5353u	-3.3202u	-3.6521u
Ba 389.178	323.860	320.810	317.445
Be 313.042	2.0484	2.0182	1.9972
Ca 370.602	36275	35922	35537
Cd 226.502	11.8708	11.6308	11.7653
Co 228.615	13.7498	12.8297	12.8245
Cr 267.716	92.1432	91.2373	90.7195
Cu 324.754	681.845	665.354	655.400
Fe 271.441	74439.3	73765.6	72928.8
K 766.491	2651.28	2621.25	2593.57
Mg 279.078	3839.31	3795.78	3768.33
Mn 257.610	1561.05	1544.32	1548.57
Mo 202.032	7.4394	6.7491	7.2455
Na 330.237	237.251u	204.601u	357.470u
Ni 231.604	38.1154	37.4342	36.1386
Pb 220.353	251.821	252.538	245.444
Sb 206.834	8.2617	7.5494	6.5207
Se 196.026	3.2723	0.0638	0.2509
Sn 189.925	14.9651	15.1976	18.2634
Sr 216.596	50.9977	49.9692	49.9133
Ti 334.941	401.897	397.508	399.132
Tl 190.794	0.3373u	5.5254u	8.8920
V 292.401	83.0006	82.0819	81.5856
Zn 206.200	1679.44	1660.57	1650.93

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0398	ppb	0.3066	769.9	-18.5253
Al 308.215	32516.2	ppb	510.495	1.6	102472
As 188.980	35.8873	ppb	4.0812	11.4	18.0749
B 249.678	-3.5026	ppb	0.1684	4.8	-32.5676
Ba 389.178	320.705	ppb	3.2086	1.0	4010.37
Be 313.042	2.0213	ppb	0.0257	1.3	2087.41
Ca 370.602	35911	ppb	369.3	1.0	69956
Cd 226.502	11.7556	ppb	0.1203	1.0	524.941
Co 228.615	13.1346	ppb	0.5327	4.1	117.517
Cr 267.716	91.3666	ppb	0.7206	0.8	2824.40
Cu 324.754	667.533	ppb	13.3563	2.0	34041.4
Fe 271.441	73711.3	ppb	756.737	1.0	75346.4
K 766.491	2622.04	ppb	28.8615	1.1	81196.5
Mg 279.078	3801.14	ppb	35.7901	0.9	6257.74
Mn 257.610	1551.31	ppb	8.6966	0.6	76853.8
Mo 202.032	7.1447	ppb	0.3560	5.0	39.4511
Na 330.237	266.441	ppb	80.5062	30.2	-14.5813
Ni 231.604	37.2294	ppb	1.0042	2.7	82.1397
Pb 220.353	249.934	ppb	3.9055	1.6	294.653
Sb 206.834	7.4439	ppb	0.8753	11.8	10.7977
Se 196.026	1.1957	ppb	1.8009	150.6	2.4531
Sn 189.925	16.1420	ppb	1.8408	11.4	8.9620
Sr 216.596	50.2934	ppb	0.6105	1.2	511.195
Ti 334.941	399.512	ppb	2.2192	0.6	33671.8
Tl 190.794	4.9182	ppb	4.3096	87.6	-2.9740
V 292.401	82.2227	ppb	0.7179	0.9	1460.10
Zn 206.200	1663.65	ppb	14.4987	0.9	1375.53

680-85731-b-21-b (Samp) **12/21/2012, 4:10:23 AM** **Rack 3, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	54.6388	53.3088	54.0642
Al 308.215	160518	161781	162337
As 188.980	2391.72	2402.53	2381.05
B 249.678	1058.27	1054.96	1052.83
Ba 389.178	3520.13	3521.51	3519.05
Be 313.042	63.3974	63.3660	63.3463
Ca 370.602	176273	176444	176659
Cd 226.502	105.487	104.857	105.028
Co 228.615	553.983	551.906	552.500
Cr 267.716	639.531	638.539	636.999
Cu 324.754	3614.44	3632.13	3643.43
Fe 271.441	345677	346166	346335
K 766.491	19757.6	19727.8	19772.3
Mg 279.078	22710.4	22728.8	22666.2
Mn 257.610	7842.33	7789.12	7725.24
Mo 202.032	521.897	521.668	521.692
Na 330.237	6343.91	6584.75	6553.87
Ni 231.604	658.347	662.745	661.417
Pb 220.353	1613.10	1611.36	1611.30
Sb 206.834	531.616	533.342	520.520
Se 196.026	2189.36	2205.89	2174.50
Sn 189.925	1048.33	1048.36	1045.36
Sr 216.596	734.320	734.490	732.514
Ti 334.941	2963.96	2940.12	2919.14
Tl 190.794	1808.95	1808.69	1855.87
V 292.401	886.890	886.795	888.556
Zn 206.200	8185.45	8206.29	8185.68

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	54.0039	ppb	0.6670	1.2	2055.00
Al 308.215	161545	ppb	932.420	0.6	509035
As 188.980	2391.77	ppb	10.7419	0.4	1213.93
B 249.678	1055.35	ppb	2.7434	0.3	10986.9
Ba 389.178	3520.23	ppb	1.2303	0.0	44059.9
Be 313.042	63.3699	ppb	0.0258	0.0	67093.0
Ca 370.602	176459	ppb	193.7	0.1	347938
Cd 226.502	105.124	ppb	0.3258	0.3	3968.68
Co 228.615	552.796	ppb	1.0698	0.2	4865.36
Cr 267.716	638.356	ppb	1.2759	0.2	19619.4
Cu 324.754	3630.00	ppb	14.6135	0.4	184233
Fe 271.441	346059	ppb	341.621	0.1	353832
K 766.491	19752.6	ppb	22.6935	0.1	610489
Mg 279.078	22701.8	ppb	32.1611	0.1	37343.6
Mn 257.610	7785.56	ppb	58.6255	0.8	385629
Mo 202.032	521.752	ppb	0.1260	0.0	2780.75
Na 330.237	6494.18	ppb	131.047	2.0	129.904
Ni 231.604	660.836	ppb	2.2556	0.3	1453.84
Pb 220.353	1611.92	ppb	1.0207	0.1	1886.74
Sb 206.834	528.493	ppb	6.9585	1.3	595.987
Se 196.026	2189.92	ppb	15.6993	0.7	691.745
Sn 189.925	1047.35	ppb	1.7217	0.2	638.186
Sr 216.596	733.775	ppb	1.0950	0.1	6382.94
Ti 334.941	2941.07	ppb	22.4260	0.8	247979
Tl 190.794	1824.51	ppb	27.1663	1.5	817.748
V 292.401	887.414	ppb	0.9908	0.1	15611.7
Zn 206.200	8192.47	ppb	11.9692	0.1	6769.03

680-85731-b-21-c ms (Samp) **12/21/2012, 4:16:51 AM** **Rack 3, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.2415	53.2338	54.0349
Al 308.215	133193	133963	132890
As 188.980	226.360	226.741	223.141
B 249.678	208.881	208.900	208.030
Ba 389.178	1262.26	1263.12	1265.04
Be 313.042	63.0412	63.0548	63.1333
Ca 370.602	99847	99958	99999
Cd 226.502	68.6762	68.2903	68.8905
Co 228.615	109.317	108.925	109.935
Cr 267.716	408.302	408.151	409.881
Cu 324.754	3296.80	3316.81	3329.85
Fe 271.441	264917	265513	264930
K 766.491	15920.6	15920.6	15894.2
Mg 279.078	23229.3	23210.1	23276.7
Mn 257.610	6618.83	6592.25	6637.84
Mo 202.032	120.324	120.784	120.558
Na 330.237	6565.07	6136.91	6242.79
Ni 231.604	247.741	245.765	248.400
Pb 220.353	1133.91	1131.62	1128.41
Sb 206.834	75.8132	79.0528	75.3942
Se 196.026	128.113	116.538	113.647
Sn 189.925	156.468	159.340	168.434
Sr 216.596	302.556	302.838	303.410
Ti 334.941	2275.20	2260.74	2283.77
Tl 190.794	40.1898	56.2515	53.9556
V 292.401	373.800	374.544	373.553
Zn 206.200	7435.09	7428.11	7447.18

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.5034	ppb	0.4603	0.9	2050.38
Al 308.215	133349	ppb	553.012	0.4	420172
As 188.980	225.414	ppb	1.9778	0.9	114.264
B 249.678	208.603	ppb	0.4968	0.2	2104.69
Ba 389.178	1263.47	ppb	1.4194	0.1	15835.4
Be 313.042	63.0765	ppb	0.0497	0.1	66743.9
Ca 370.602	99935	ppb	78.38	0.1	178676
Cd 226.502	68.6190	ppb	0.3042	0.4	2679.13
Co 228.615	109.392	ppb	0.5092	0.5	993.391
Cr 267.716	408.778	ppb	0.9582	0.2	12578.3
Cu 324.754	3314.49	ppb	16.6484	0.5	168229
Fe 271.441	265120	ppb	340.419	0.1	271047
K 766.491	15911.8	ppb	15.2217	0.1	491818
Mg 279.078	23238.7	ppb	34.3178	0.1	38233.7
Mn 257.610	6616.31	ppb	22.8984	0.3	327707
Mo 202.032	120.556	ppb	0.2302	0.2	640.176
Na 330.237	6314.92	ppb	223.008	3.5	143.754
Ni 231.604	247.302	ppb	1.3716	0.6	547.075
Pb 220.353	1131.32	ppb	2.7633	0.2	1325.20
Sb 206.834	76.7534	ppb	2.0023	2.6	92.6597
Se 196.026	119.433	ppb	7.6551	6.4	40.1309
Sn 189.925	161.414	ppb	6.2469	3.9	97.6121
Sr 216.596	302.934	ppb	0.4354	0.1	2815.76
Ti 334.941	2273.23	ppb	11.6399	0.5	191665
Tl 190.794	50.1323	ppb	8.6866	17.3	8.9113
V 292.401	373.966	ppb	0.5156	0.1	6621.81
Zn 206.200	7436.79	ppb	9.6465	0.1	6145.24

680-85731-b-21-d msd (Samp) **12/21/2012, 4:23:19 AM** **Rack 3, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	54.6181	55.7879	54.4584
Al 308.215	187454	186861	187817
As 188.980	281.572	279.813	282.359
B 249.678	237.769	239.606	238.140
Ba 389.178	1837.51	1840.65	1837.47
Be 313.042	71.3879	71.4046	71.4160
Ca 370.602	300254	303007	302946
Cd 226.502	71.5104	71.6897	71.9741
Co 228.615	134.296	136.393	135.435
Cr 267.716	531.375	531.609	531.349
Cu 324.754	3382.05	3336.65	3368.45
Fe 271.441	366499	366138	366840
K 766.491	21925.0	21809.8	21859.2
Mg 279.078	59131.3	59324.2	59305.5
Mn 257.610	11464.8	11572.6	11494.0
Mo 202.032	131.407	132.893	131.334
Na 330.237	7930.94	8261.71	8220.89
Ni 231.604	784.641	789.688	790.491
Pb 220.353	1166.91	1163.00	1167.10
Sb 206.834	76.9346	73.6185	74.7082
Se 196.026	122.584	128.789	130.369
Sn 189.925	157.064	160.464	162.483
Sr 216.596	681.799	687.704	684.611
Ti 334.941	3678.60	3695.45	3674.96
Tl 190.794	55.7213	51.0098	49.9095
V 292.401	487.052	487.027	488.047
Zn 206.200	7558.93	7596.57	7609.19

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	54.9548	ppb	0.7259	1.3	2088.58
Al 308.215	187378	ppb	482.533	0.3	590401
As 188.980	281.248	ppb	1.3037	0.5	142.606
B 249.678	238.505	ppb	0.9711	0.4	2367.38
Ba 389.178	1838.54	ppb	1.8225	0.1	23048.6
Be 313.042	71.4028	ppb	0.0142	0.0	75624.6
Ca 370.602	302069	ppb	1572	0.5	656006
Cd 226.502	71.7247	ppb	0.2338	0.3	3019.46
Co 228.615	135.375	ppb	1.0500	0.8	1246.88
Cr 267.716	531.444	ppb	0.1430	0.0	16354.0
Cu 324.754	3362.38	ppb	23.3014	0.7	170672
Fe 271.441	366492	ppb	351.341	0.1	374693
K 766.491	21864.7	ppb	57.7927	0.3	675747
Mg 279.078	59253.7	ppb	106.404	0.2	97514.8
Mn 257.610	11510.5	ppb	55.7836	0.5	570080
Mo 202.032	131.878	ppb	0.8794	0.7	697.984
Na 330.237	8137.85	ppb	180.345	2.2	186.474
Ni 231.604	788.273	ppb	3.1709	0.4	1732.89
Pb 220.353	1165.67	ppb	2.3132	0.2	1365.95
Sb 206.834	75.0871	ppb	1.6902	2.3	93.4544
Se 196.026	127.247	ppb	4.1154	3.2	42.8451
Sn 189.925	160.004	ppb	2.7390	1.7	96.8142
Sr 216.596	684.704	ppb	2.9534	0.4	6025.04
Ti 334.941	3683.00	ppb	10.9344	0.3	310535
Tl 190.794	52.2135	ppb	3.0872	5.9	6.1774
V 292.401	487.375	ppb	0.5816	0.1	8624.08
Zn 206.200	7588.23	ppb	26.1448	0.3	6270.77

680-85785-a-65-a (Samp) **12/21/2012, 4:42:42 AM** **Rack 3, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.3060u	-2.6107u	-3.4779u
Al 308.215	237324	237515	238303
As 188.980	299.067	300.897	287.609
B 249.678	-37.9244u	-37.4964u	-39.8224u
Ba 389.178	1427.55	1426.54	1426.02
Be 313.042	22.7374	22.7137	22.7170
Ca 370.602	142658	142414	142451
Cd 226.502	14.8611	14.5434	13.8074
Co 228.615	244.502	245.504	243.130
Cr 267.716	810.739	808.679	807.323
Cu 324.754	274.726	278.808	275.762
Fe 271.441	588209	586620	586871
K 766.491	22034.3	22142.8	22176.8
Mg 279.078	25514.0	25475.5	25427.2
Mn 257.610	26026.1	26003.8	26110.8
Mo 202.032	24.9989	24.4868	26.2246
Na 330.237	1217.96u	1209.02u	1131.90u
Ni 231.604	171.773	170.501	168.240
Pb 220.353	1306.72	1298.32	1291.56
Sb 206.834	19.3517	17.4621	12.1180
Se 196.026	25.3111	17.0187	35.0128
Sn 189.925	47.9624	51.2800	44.2402
Sr 216.596	281.098	281.131	279.565
Ti 334.941	2135.89	2132.23	2119.37
Tl 190.794	36.5911u	41.7626u	29.0077u
V 292.401	705.930	707.269	706.571
Zn 206.200	5795.15	5761.42	5750.95

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7982	ppb	0.6080	21.7	-211.576
Al 308.215	237714	ppb	518.896	0.2	749000
As 188.980	295.857	ppb	7.2021	2.4	150.046
B 249.678	-38.4144	ppb	1.2380	3.2	-663.717
Ba 389.178	1426.70	ppb	0.7756	0.1	17919.6
Be 313.042	22.7227	ppb	0.0128	0.1	24065.1
Ca 370.602	142508	ppb	131.5	0.1	199125
Cd 226.502	14.4040	ppb	0.5405	3.8	1769.51
Co 228.615	244.379	ppb	1.1919	0.5	2181.67
Cr 267.716	808.914	ppb	1.7198	0.2	24891.9
Cu 324.754	276.432	ppb	2.1217	0.8	14233.5
Fe 271.441	587233	ppb	854.345	0.1	600377
K 766.491	22118.0	ppb	74.4597	0.3	683575
Mg 279.078	25472.2	ppb	43.4935	0.2	41762.8
Mn 257.610	26046.9	ppb	56.4615	0.2	1289793
Mo 202.032	25.2368	ppb	0.8930	3.5	121.018
Na 330.237	1186.29	ppb	47.3174	4.0	-99.2632
Ni 231.604	170.171	ppb	1.7892	1.1	387.689
Pb 220.353	1298.87	ppb	7.5968	0.6	1527.25
Sb 206.834	16.3106	ppb	3.7518	23.0	33.9028
Se 196.026	25.7809	ppb	9.0062	34.9	11.4710
Sn 189.925	47.8275	ppb	3.5218	7.4	28.3039
Sr 216.596	280.598	ppb	0.8950	0.3	3116.12
Ti 334.941	2129.16	ppb	8.6768	0.4	179538
Tl 190.794	35.7871	ppb	6.4153	17.9	-8.4833
V 292.401	706.590	ppb	0.6697	0.1	12523.1
Zn 206.200	5769.17	ppb	23.0957	0.4	4766.85

680-85785-a-66-a (Samp) **12/21/2012, 4:49:10 AM** **Rack 3, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0167u	-0.0187u	0.5774u
Al 308.215	133101	131616	131616
As 188.980	345.371	345.885	345.858
B 249.678	5.0284u	6.8939u	6.1182u
Ba 389.178	2105.34	2098.26	2110.11
Be 313.042	17.8908	17.9557	17.9744
Ca 370.602	187798	187647	187683
Cd 226.502	27.5944	28.7743	28.4455
Co 228.615	124.794	124.608	124.327
Cr 267.716	449.736	452.341	453.021
Cu 324.754	1756.57	1757.72	1768.46
Fe 271.441	500655	500269	500486
K 766.491	17561.3	17596.9	17567.1
Mg 279.078	41901.4	42005.0	42068.0
Mn 257.610	13188.5	13447.5	13445.4
Mo 202.032	48.1451	47.6284	47.4704
Na 330.237	1613.63u	1571.35u	1554.29u
Ni 231.604	226.181	227.691	227.102
Pb 220.353	5147.02	5125.27	5153.03
Sb 206.834	46.7004	45.8588	48.3306
Se 196.026	35.6126	37.0888	36.5802
Sn 189.925	108.600	110.032	106.871
Sr 216.596	383.865	385.083	386.579
Ti 334.941	2333.62	2368.23	2371.12
Tl 190.794	23.2304u	27.4236u	27.4314u
V 292.401	295.569	295.930	295.782
Zn 206.200	4612.71	4608.09	4633.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1918	ppb	0.3344	174.3	-82.1194
Al 308.215	132111	ppb	857.541	0.6	416267
As 188.980	345.705	ppb	0.2894	0.1	175.346
B 249.678	6.0135	ppb	0.9372	15.6	-151.397
Ba 389.178	2104.57	ppb	5.9638	0.3	26390.9
Be 313.042	17.9403	ppb	0.0438	0.2	18995.6
Ca 370.602	187709	ppb	78.86	0.0	334706
Cd 226.502	28.2714	ppb	0.6089	2.2	1988.89
Co 228.615	124.576	ppb	0.2351	0.2	1137.04
Cr 267.716	451.699	ppb	1.7339	0.4	13942.5
Cu 324.754	1760.92	ppb	6.5575	0.4	89483.3
Fe 271.441	500470	ppb	193.520	0.0	511662
K 766.491	17575.1	ppb	19.1138	0.1	543210
Mg 279.078	41991.4	ppb	84.1106	0.2	69082.0
Mn 257.610	13360.5	ppb	148.934	1.1	661709
Mo 202.032	47.7480	ppb	0.3529	0.7	242.503
Na 330.237	1579.76	ppb	30.5511	1.9	-65.0512
Ni 231.604	226.991	ppb	0.7611	0.3	509.809
Pb 220.353	5141.77	ppb	14.6070	0.3	6016.15
Sb 206.834	46.9633	ppb	1.2567	2.7	63.6992
Se 196.026	36.4272	ppb	0.7499	2.1	14.6055
Sn 189.925	108.501	ppb	1.5827	1.5	65.3433
Sr 216.596	385.176	ppb	1.3594	0.4	3829.72
Ti 334.941	2357.66	ppb	20.8652	0.9	198793
Tl 190.794	26.0285	ppb	2.4232	9.3	-13.8610
V 292.401	295.761	ppb	0.1814	0.1	5304.71
Zn 206.200	4618.06	ppb	13.4580	0.3	3817.01

680-85785-a-67-a (Samp) **12/21/2012, 4:55:37 AM** **Rack 3, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4997u	0.2268u	0.0910u
Al 308.215	71931.2	71876.9	72470.7
As 188.980	58.7582	53.2235	54.3002
B 249.678	-0.8679u	-0.1889u	-0.6329u
Ba 389.178	466.315	464.367	466.068
Be 313.042	2.8889	2.8900	2.8947
Ca 370.602	19905	19873	19885
Cd 226.502	4.7166	4.5577	4.3043
Co 228.615	26.0081	25.6939	26.6204
Cr 267.716	154.243	153.551	154.173
Cu 324.754	116.735	115.719	118.162
Fe 271.441	114226	113915	114306
K 766.491	4476.42	4459.24	4469.57
Mg 279.078	5807.26	5783.27	5790.17
Mn 257.610	1512.51	1499.59	1493.10
Mo 202.032	6.2210	6.1691	5.9556
Na 330.237	393.584u	207.370u	463.327u
Ni 231.604	39.6396	40.7175	41.0193
Pb 220.353	478.822	484.657	478.703
Sb 206.834	7.5853	4.8469	10.8164
Se 196.026	12.1650	15.3810	9.2890
Sn 189.925	31.8138	30.1261	36.4244
Sr 216.596	65.2691	63.9139	63.6185
Ti 334.941	778.971	772.918	769.629
Tl 190.794	5.4074u	11.1641u	3.3367u
V 292.401	173.135	173.022	173.677
Zn 206.200	1322.84	1314.54	1317.59

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0606	ppb	0.3863	637.1	-28.7365
Al 308.215	72093.0	ppb	328.286	0.5	227167
As 188.980	55.4273	ppb	2.9345	5.3	27.9947
B 249.678	-0.5632	ppb	0.3448	61.2	-22.3193
Ba 389.178	465.583	ppb	1.0607	0.2	5831.00
Be 313.042	2.8912	ppb	0.0031	0.1	3016.59
Ca 370.602	19888	ppb	16.14	0.1	19136
Cd 226.502	4.5262	ppb	0.2079	4.6	399.808
Co 228.615	26.1075	ppb	0.4712	1.8	238.519
Cr 267.716	153.989	ppb	0.3810	0.2	4749.38
Cu 324.754	116.872	ppb	1.2271	1.0	6133.69
Fe 271.441	114149	ppb	206.751	0.2	116690
K 766.491	4468.41	ppb	8.6508	0.2	138245
Mg 279.078	5793.57	ppb	12.3525	0.2	9538.74
Mn 257.610	1501.73	ppb	9.8783	0.7	74419.1
Mo 202.032	6.1152	ppb	0.1406	2.3	33.2462
Na 330.237	354.760	ppb	132.321	37.3	-18.5154
Ni 231.604	40.4588	ppb	0.7253	1.8	90.3976
Pb 220.353	480.728	ppb	3.4034	0.7	563.804
Sb 206.834	7.7496	ppb	2.9882	38.6	12.5505
Se 196.026	12.2784	ppb	3.0476	24.8	6.0409
Sn 189.925	32.7881	ppb	3.2603	9.9	19.1112
Sr 216.596	64.2671	ppb	0.8802	1.4	682.101
Ti 334.941	773.839	ppb	4.7385	0.6	65235.8
Tl 190.794	6.6361	ppb	4.0558	61.1	-4.5571
V 292.401	173.278	ppb	0.3500	0.2	3073.51
Zn 206.200	1318.33	ppb	4.1966	0.3	1090.13

680-85785-a-68-a (Samp) **12/21/2012, 5:02:05 AM** **Rack 3, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	1.6923	2.0550	1.5468
Al 308.215	91359.4	90783.3	89954.2
As 188.980	313.090	307.909	314.545
B 249.678	37.3336	38.1127	39.8914
Ba 389.178	1301.01	1303.66	1307.65
Be 313.042	9.3682	9.3875	9.3896
Ca 370.602	190623	190435	190064
Cd 226.502	19.3524	19.2241	19.5012
Co 228.615	50.2927	50.4682	50.5016
Cr 267.716	389.722	390.597	392.693
Cu 324.754	709.603	715.458	711.654
Fe 271.441	196346	196500	196207
K 766.491	9907.60	9903.95	9880.25
Mg 279.078	76780.5	76970.0	77244.3
Mn 257.610	10744.5	10832.3	11000.5
Mo 202.032	16.2156	15.2523	16.7524
Na 330.237	430.551u	526.435u	752.260u
Ni 231.604	121.412	122.325	122.476
Pb 220.353	1725.76	1724.17	1720.10
Sb 206.834	13.8171	13.7703	15.9494
Se 196.026	9.3479	28.2409	13.1793
Sn 189.925	87.7075	83.8250	84.8735
Sr 216.596	274.268	273.981	274.921
Ti 334.941	1870.59	1891.28	1913.90
Tl 190.794	6.4248u	7.8347u	8.1646u
V 292.401	313.080	313.679	312.961
Zn 206.200	7094.95	7109.40	7134.25

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.7647	ppb	0.2617	14.8	28.0862
Al 308.215	90699.0	ppb	706.358	0.8	285794
As 188.980	311.848	ppb	3.4879	1.1	158.165
B 249.678	38.4459	ppb	1.3110	3.4	346.602
Ba 389.178	1304.10	ppb	3.3417	0.3	16366.3
Be 313.042	9.3818	ppb	0.0118	0.1	9942.24
Ca 370.602	190374	ppb	284.4	0.1	422925
Cd 226.502	19.3592	ppb	0.1387	0.7	1043.53
Co 228.615	50.4209	ppb	0.1122	0.2	472.366
Cr 267.716	391.004	ppb	1.5267	0.4	12019.9
Cu 324.754	712.238	ppb	2.9707	0.4	36323.0
Fe 271.441	196351	ppb	146.858	0.1	200737
K 766.491	9897.27	ppb	14.8506	0.2	305984
Mg 279.078	76998.3	ppb	233.169	0.3	126743
Mn 257.610	10859.1	ppb	130.082	1.2	537773
Mo 202.032	16.0734	ppb	0.7601	4.7	83.7069
Na 330.237	569.749	ppb	165.170	29.0	-58.1708
Ni 231.604	122.071	ppb	0.5756	0.5	272.915
Pb 220.353	1723.34	ppb	2.9163	0.2	2017.43
Sb 206.834	14.5123	ppb	1.2448	8.6	22.5135
Se 196.026	16.9227	ppb	9.9873	59.0	7.7078
Sn 189.925	85.4687	ppb	2.0085	2.4	51.3066
Sr 216.596	274.390	ppb	0.4816	0.2	2497.25
Ti 334.941	1891.93	ppb	21.6614	1.1	159514
Tl 190.794	7.4747	ppb	0.9241	12.4	-4.4768
V 292.401	313.240	ppb	0.3851	0.1	5530.30
Zn 206.200	7112.87	ppb	19.8758	0.3	5878.34

680-85785-a-69-a (Samp) **12/21/2012, 5:08:33 AM** **Rack 3, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.5551u	-3.4679u	-2.1924u
Al 308.215	192945	194189	194406
As 188.980	574.273	566.409	574.675
B 249.678	-23.4822u	-24.1218u	-23.8741u
Ba 389.178	421.616	421.211	420.976
Be 313.042	11.3489	11.3592	11.3600
Ca 370.602	56205	56208	56203
Cd 226.502	8.6248	8.2994	8.1696
Co 228.615	112.802	112.495	112.906
Cr 267.716	300.912	300.100	299.609
Cu 324.754	534.957	535.000	537.004
Fe 271.441	355238	355636	355652
K 766.491	18181.4	18156.8	18199.6
Mg 279.078	17644.5	17620.1	17626.0
Mn 257.610	5671.37	5636.76	5622.57
Mo 202.032	28.1938	29.7894	29.9380
Na 330.237	402.814u	490.626u	549.839u
Ni 231.604	269.453	268.067	265.712
Pb 220.353	784.799	777.484	781.721
Sb 206.834	9.7970	14.2579	18.1772
Se 196.026	16.5758	7.4852	20.1281
Sn 189.925	49.0488	55.3639	59.2399
Sr 216.596	87.6644	86.8343	87.3118
Ti 334.941	1831.18	1817.83	1812.68
Tl 190.794	16.8081u	19.9049u	21.8371u
V 292.401	490.961	489.786	490.672
Zn 206.200	2110.08	2112.23	2094.44

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7385	ppb	0.6572	24.0	-171.673
Al 308.215	193847	ppb	788.449	0.4	610782
As 188.980	571.786	ppb	4.6607	0.8	290.120
B 249.678	-23.8260	ppb	0.3225	1.4	-391.409
Ba 389.178	421.268	ppb	0.3236	0.1	5317.08
Be 313.042	11.3560	ppb	0.0062	0.1	12012.3
Ca 370.602	56205	ppb	2.545	0.0	45156
Cd 226.502	8.3646	ppb	0.2345	2.8	1066.22
Co 228.615	112.734	ppb	0.2139	0.2	1019.76
Cr 267.716	300.207	ppb	0.6580	0.2	9274.90
Cu 324.754	535.654	ppb	1.1692	0.2	27370.5
Fe 271.441	355509	ppb	234.663	0.1	363457
K 766.491	18179.3	ppb	21.4793	0.1	561878
Mg 279.078	17630.2	ppb	12.7731	0.1	29005.3
Mn 257.610	5643.57	ppb	25.1055	0.4	279585
Mo 202.032	29.3071	ppb	0.9670	3.3	150.582
Na 330.237	481.093	ppb	73.9747	15.4	-65.5927
Ni 231.604	267.744	ppb	1.8914	0.7	594.146
Pb 220.353	781.335	ppb	3.6728	0.5	916.554
Sb 206.834	14.0774	ppb	4.1930	29.8	25.1845
Se 196.026	14.7297	ppb	6.5205	44.3	7.4163
Sn 189.925	54.5509	ppb	5.1440	9.4	32.3894
Sr 216.596	87.2702	ppb	0.4166	0.5	1215.08
Ti 334.941	1820.57	ppb	9.5486	0.5	153502
Tl 190.794	19.5167	ppb	2.5369	13.0	-11.3542
V 292.401	490.473	ppb	0.6122	0.1	8704.09
Zn 206.200	2105.58	ppb	9.7133	0.5	1740.87

680-85831-d-1-a (Samp) **12/21/2012, 5:15:01 AM** **Rack 3, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	3.4704u	3.4371u	3.1625u
Al 308.215	115542	115531	114328
As 188.980	544.188	560.386	558.910
B 249.678	-224.734u	-227.117u	-216.359u
Ba 389.178	1078.75	1079.33	1082.32
Be 313.042	6.0304	6.0418	6.0293
Ca 370.602	173121	173259	173887
Cd 226.502	33.9705	33.8922	37.6919
Co 228.615	187.140	189.079	187.090
Cr 267.716	930.621	932.627	936.111
Cu 324.754	5268.73	5284.02	5357.60
Fe 271.441	1430034x	1431688x	1433862x
K 766.491	10497.7	10495.2	10503.8
Mg 279.078	12724.1	12752.1	12775.7
Mn 257.610	23016.8	23028.6	23403.8
Mo 202.032	151.158	151.275	149.971
Na 330.237	1948.22u	2014.85u	2002.67u
Ni 231.604	458.712	459.003	458.282
Pb 220.353	596.111	591.141	591.552
Sb 206.834	81.7648	94.7757	91.5397
Se 196.026	15.5897	13.1876	29.4425
Sn 189.925	361.121	361.285	369.523
Sr 216.596	498.858	501.416	502.762
Ti 334.941	10244.6	10313.4	10456.8
Tl 190.794	82.9624u	88.5503u	85.3440u
V 292.401	982.496	984.219	982.662
Zn 206.200	2506.45	2505.41	2498.71

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.3566b	ppb	0.1690	5.0	-104.965
Al 308.215	115134b	ppb	697.834	0.6	362808
As 188.980	554.495b	ppb	8.9561	1.6	281.318
B 249.678	-222.737b	ppb	5.6503	2.5	-3040.99
Ba 389.178	1080.14b	ppb	1.9151	0.2	13692.5
Be 313.042	6.0339b	ppb	0.0069	0.1	6539.29
Ca 370.602	173423b	ppb	408.5	0.2	49374
Cd 226.502	35.1848b	ppb	2.1715	6.2	4253.59
Co 228.615	187.770b	ppb	1.1342	0.6	1854.38
Cr 267.716	933.120b	ppb	2.7778	0.3	28871.0
Cu 324.754	5303.45b	ppb	47.5121	0.9	269131
Fe 271.441	1431861xb	ppb	1920.32	0.1	1463895
K 766.491	10498.9b	ppb	4.4330	0.0	324573
Mg 279.078	12750.7b	ppb	25.8449	0.2	20912.2
Mn 257.610	23149.7b	ppb	220.120	1.0	1146726
Mo 202.032	150.802b	ppb	0.7217	0.5	757.582
Na 330.237	1988.58b	ppb	35.4835	1.8	-238.076
Ni 231.604	458.666b	ppb	0.3627	0.1	1041.48
Pb 220.353	592.935b	ppb	2.7583	0.5	720.430
Sb 206.834	89.3600b	ppb	6.7738	7.6	125.549
Se 196.026	19.4066b	ppb	8.7739	45.2	11.5840
Sn 189.925	363.976b	ppb	4.8040	1.3	221.167
Sr 216.596	501.012b	ppb	1.9828	0.4	6118.60
Ti 334.941	10338.3b	ppb	108.228	1.0	871709
Tl 190.794	85.6189b	ppb	2.8041	3.3	-37.9533
V 292.401	983.126b	ppb	0.9506	0.1	17672.2
Zn 206.200	2503.52b	ppb	4.2007	0.2	2070.08

680-85831-d-2-a (Samp) **12/21/2012, 5:21:29 AM** **Rack 3, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	8.2505	8.1081	7.4967
Al 308.215	106359	107238	107487
As 188.980	365.071	368.862	366.273
B 249.678	-177.431u	-181.909u	-181.591u
Ba 389.178	1113.25	1110.81	1110.36
Be 313.042	6.5312	6.5385	6.5349
Ca 370.602	158497	158113	157870
Cd 226.502	31.0128	29.6141	28.8858
Co 228.615	301.045	299.391	298.620
Cr 267.716	405.046	404.020	403.621
Cu 324.754	4890.15	4751.65	4792.67
Fe 271.441	1138031x	1141247x	1139325x
K 766.491	14358.9	14359.4	14370.3
Mg 279.078	14403.4	14376.1	14347.3
Mn 257.610	14186.7	14008.7	13993.4
Mo 202.032	43.4581	43.7571	42.6723
Na 330.237	1974.77u	2008.33u	1917.50u
Ni 231.604	785.108	779.756	788.321
Pb 220.353	1817.00	1807.14	1800.58
Sb 206.834	131.062	133.550	137.985
Se 196.026	15.0193	12.6925	10.1518
Sn 189.925	405.593	403.516	402.165
Sr 216.596	480.545	477.298	479.165
Ti 334.941	10011.2	9878.34	9895.78
Tl 190.794	58.8775u	68.4062u	63.3060u
V 292.401	566.019	566.849	566.799
Zn 206.200	5265.57	5271.39	5274.05

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	7.9518b	ppb	0.4005	5.0	121.430
Al 308.215	107028b	ppb	592.651	0.6	337252
As 188.980	366.735b	ppb	1.9374	0.5	186.024
B 249.678	-180.311b	ppb	2.4985	1.4	-2443.83
Ba 389.178	1111.47b	ppb	1.5578	0.1	14044.8
Be 313.042	6.5349b	ppb	0.0037	0.1	7051.49
Ca 370.602	158160b	ppb	315.9	0.2	89448
Cd 226.502	29.8376b	ppb	1.0809	3.6	3445.06
Co 228.615	299.685b	ppb	1.2393	0.4	2815.09
Cr 267.716	404.229b	ppb	0.7350	0.2	12624.4
Cu 324.754	4811.49b	ppb	71.1448	1.5	244191
Fe 271.441	1139534xb	ppb	1618.09	0.1	1165033
K 766.491	14362.9b	ppb	6.4385	0.0	443960
Mg 279.078	14375.6b	ppb	28.0776	0.2	23642.9
Mn 257.610	14062.9b	ppb	107.448	0.8	696742
Mo 202.032	43.2958b	ppb	0.5603	1.3	194.214
Na 330.237	1966.87b	ppb	45.9258	2.3	-196.484
Ni 231.604	784.395b	ppb	4.3267	0.6	1744.97
Pb 220.353	1808.24b	ppb	8.2671	0.5	2133.41
Sb 206.834	134.199b	ppb	3.5066	2.6	169.969
Se 196.026	12.6212b	ppb	2.4345	19.3	8.7181
Sn 189.925	403.758b	ppb	1.7265	0.4	245.450
Sr 216.596	479.003b	ppb	1.6291	0.3	5501.22
Ti 334.941	9928.45b	ppb	72.2129	0.7	837138
Tl 190.794	63.5299b	ppb	4.7683	7.5	-34.1308
V 292.401	566.556b	ppb	0.4655	0.1	10306.6
Zn 206.200	5270.34b	ppb	4.3363	0.1	4357.24

680-85831-c-3-a (Samp) **12/21/2012, 5:27:57 AM** **Rack 3, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	2.8376	2.1821	2.9167
Al 308.215	73862.3	73802.0	72969.5
As 188.980	145.549	149.552	153.152
B 249.678	-14.5785u	-14.4142u	-12.1694u
Ba 389.178	1129.40	1130.23	1131.00
Be 313.042	5.7207	5.6961	5.7149
Ca 370.602	129473	129484	129358
Cd 226.502	31.3461	31.6612	32.4229
Co 228.615	72.4575	73.5507	74.3393
Cr 267.716	511.353	512.914	514.693
Cu 324.754	1722.60	1744.43	1726.23
Fe 271.441	422668	421532	421287
K 766.491	10125.8	10132.4	10132.8
Mg 279.078	24045.1	24035.4	24088.5
Mn 257.610	9578.33	9632.41	9746.67
Mo 202.032	120.604	120.528	120.691
Na 330.237	2207.07u	2202.20u	2358.62u
Ni 231.604	279.618	284.519	281.417
Pb 220.353	1879.41	1874.86	1874.27
Sb 206.834	37.4270	40.1075	38.9512
Se 196.026	14.0662	18.0206	12.1921
Sn 189.925	190.281	187.510	187.885
Sr 216.596	343.572	341.087	343.215
Ti 334.941	10878.9	10871.6	11055.3
Tl 190.794	28.5356u	23.7787u	22.5672u
V 292.401	350.726	350.398	350.072
Zn 206.200	5404.80	5379.29	5380.39

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.6455	ppb	0.4032	15.2	27.1178
Al 308.215	73544.6	ppb	498.933	0.7	231750
As 188.980	149.418	ppb	3.8037	2.5	75.6847
B 249.678	-13.7207	ppb	1.3460	9.8	-318.918
Ba 389.178	1130.21	ppb	0.8032	0.1	14188.5
Be 313.042	5.7106	ppb	0.0128	0.2	6201.30
Ca 370.602	129439	ppb	69.97	0.1	210680
Cd 226.502	31.8101	ppb	0.5537	1.7	1910.24
Co 228.615	73.4492	ppb	0.9450	1.3	833.657
Cr 267.716	512.987	ppb	1.6712	0.3	15800.7
Cu 324.754	1731.08	ppb	11.6969	0.7	88070.2
Fe 271.441	421829	ppb	736.902	0.2	431259
K 766.491	10130.3	ppb	3.9141	0.0	313185
Mg 279.078	24056.3	ppb	28.2682	0.1	39573.2
Mn 257.610	9652.47	ppb	85.9474	0.9	478087
Mo 202.032	120.608	ppb	0.0816	0.1	633.375
Na 330.237	2255.96	ppb	88.9375	3.9	-59.0900
Ni 231.604	281.851	ppb	2.4794	0.9	626.968
Pb 220.353	1876.18	ppb	2.8118	0.1	2197.81
Sb 206.834	38.8286	ppb	1.3445	3.5	52.2621
Se 196.026	14.7597	ppb	2.9755	20.2	7.5913
Sn 189.925	188.559	ppb	1.5035	0.8	114.175
Sr 216.596	342.625	ppb	1.3434	0.4	3366.30
Ti 334.941	10935.3	ppb	104.015	1.0	922002
Tl 190.794	24.9605	ppb	3.1548	12.6	-8.3625
V 292.401	350.398	ppb	0.3269	0.1	6320.58
Zn 206.200	5388.16	ppb	14.4197	0.3	4452.62

680-85841-d-1-a (Samp) **12/21/2012, 5:34:24 AM** **Rack 3, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.8402u	-0.8503u	-1.1348u
Al 308.215	157911	158878	159797
As 188.980	15.6784	18.2488	16.3128
B 249.678	75.2576	75.8239	74.1724
Ba 389.178	578.779	578.336	577.344
Be 313.042	18.6856	18.6403	18.6341
Ca 370.602	703702	705284	707555
Cd 226.502	7.1556	7.2553	7.3009
Co 228.615	122.295	123.560	123.957
Cr 267.716	446.389	444.224	443.514
Cu 324.754	105.637	106.821	107.512
Fe 271.441	105063	105164	105133
K 766.491	26475.7	26522.6	26509.8
Mg 279.078	534377	533734	532654
Mn 257.610	1881.60	1870.74	1855.70
Mo 202.032	3.4780	5.3597	3.6166
Na 330.237	2727.66	2592.48	2534.32
Ni 231.604	143.263	142.422	143.779
Pb 220.353	57.9261	60.7482	58.4523
Sb 206.834	6.8399	10.4259	10.0348
Se 196.026	5.1599	13.9643	-12.9680u
Sn 189.925	8.3172	17.3238	13.4808
Sr 216.596	412.701	412.906	411.368
Ti 334.941	1068.86	1060.90	1050.33
Tl 190.794	10.8644u	6.8717u	8.3622u
V 292.401	401.345	402.663	402.086
Zn 206.200	1282.82	1275.89	1277.73

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9418	ppb	0.1672	17.8	-68.7074
Al 308.215	158862	ppb	942.876	0.6	500553
As 188.980	16.7467	ppb	1.3390	8.0	8.3586
B 249.678	75.0846	ppb	0.8392	1.1	779.352
Ba 389.178	578.153	ppb	0.7352	0.1	7580.04
Be 313.042	18.6533	ppb	0.0281	0.2	19848.2
Ca 370.602	705514	ppb	1937	0.3	1732935
Cd 226.502	7.2372	ppb	0.0743	1.0	525.900
Co 228.615	123.270	ppb	0.8679	0.7	1090.39
Cr 267.716	444.709	ppb	1.4976	0.3	13644.4
Cu 324.754	106.657	ppb	0.9481	0.9	5617.46
Fe 271.441	105120	ppb	51.7724	0.0	107479
K 766.491	26502.7	ppb	24.2168	0.1	819052
Mg 279.078	533588	ppb	870.722	0.2	878837
Mn 257.610	1869.35	ppb	13.0058	0.7	93114.5
Mo 202.032	4.1515	ppb	1.0487	25.3	24.8324
Na 330.237	2618.15	ppb	99.1921	3.8	48.0843
Ni 231.604	143.155	ppb	0.6851	0.5	328.442
Pb 220.353	59.0422	ppb	1.5007	2.5	68.3120
Sb 206.834	9.1002	ppb	1.9672	21.6	16.4271
Se 196.026	2.0521	ppb	13.7325	669.2	2.8022
Sn 189.925	13.0406	ppb	4.5194	34.7	7.2919
Sr 216.596	412.325	ppb	0.8350	0.2	3500.00
Ti 334.941	1060.03	ppb	9.2954	0.9	89378.6
Tl 190.794	8.6994	ppb	2.0176	23.2	-2.5332
V 292.401	402.031	ppb	0.6607	0.2	7018.69
Zn 206.200	1278.81	ppb	3.5930	0.3	1064.79

mb 680-260337/1-a (Samp) **12/21/2012, 5:40:52 AM** **Rack 3, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2424	-0.2405u	0.1715
Al 308.215	38.2670	35.6398	32.0158
As 188.980	-1.9635u	-2.9556u	0.5534
B 249.678	0.7486	-0.1102u	0.2469
Ba 389.178	-0.7624u	-1.7274u	-1.5213u
Be 313.042	-0.0096u	-0.0068u	-0.0135u
Ca 370.602	44.23	44.00	39.72
Cd 226.502	0.0937	0.0153	0.2380
Co 228.615	-0.3003u	0.8440	0.2003
Cr 267.716	1.8178	1.9637	1.6719
Cu 324.754	17.4435	15.6213	14.2795
Fe 271.441	93.2401	90.8997	82.1736
K 766.491	12.9449	12.2219	11.3615
Mg 279.078	10.5111	19.2987	18.9817
Mn 257.610	1.7648	1.4847	1.4453
Mo 202.032	0.3191	0.4753	1.0002
Na 330.237	195.450	251.026	171.526
Ni 231.604	1.6026	0.9265	1.5017
Pb 220.353	-0.8983u	2.0830	0.4169
Sb 206.834	-1.2009u	1.1478	0.5146
Se 196.026	0.3034	-2.2436u	-1.5383u
Sn 189.925	11.4237	13.9566	8.1346
Sr 216.596	-0.0588u	-0.5509u	-0.2734u
Ti 334.941	1.7786	1.5605	1.4236
Tl 190.794	-0.6151u	4.7470	-4.8797u
V 292.401	-0.0212u	-0.2728u	-0.2595u
Zn 206.200	3.1545	4.2521	3.5589

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0578	ppb	0.2608	451.2	-5.9857
Al 308.215	35.3075	ppb	3.1388	8.9	133.266
As 188.980	-1.4552	ppb	1.8089	124.3	-0.8808
B 249.678	0.2951	ppb	0.4314	146.2	45.2082
Ba 389.178	-1.3370	ppb	0.5082	38.0	-26.3524
Be 313.042	-0.0099	ppb	0.0034	34.0	-79.5641
Ca 370.602	42.65	ppb	2.542	6.0	98.26
Cd 226.502	0.1157	ppb	0.1130	97.7	4.9569
Co 228.615	0.2480	ppb	0.5737	231.3	-4.1260
Cr 267.716	1.8178	ppb	0.1459	8.0	68.4172
Cu 324.754	15.7815	ppb	1.5881	10.1	1001.99
Fe 271.441	88.7712	ppb	5.8322	6.6	74.9486
K 766.491	12.1761	ppb	0.7927	6.5	558.068
Mg 279.078	16.2638	ppb	4.9845	30.6	34.8489
Mn 257.610	1.5650	ppb	0.1742	11.1	94.9492
Mo 202.032	0.5982	ppb	0.3568	59.6	6.5698
Na 330.237	206.000	ppb	40.7866	19.8	5.6340
Ni 231.604	1.3436	ppb	0.3647	27.1	1.5497
Pb 220.353	0.5339	ppb	1.4941	279.9	2.6608
Sb 206.834	0.1538	ppb	1.2152	789.9	0.8188
Se 196.026	-1.1595	ppb	1.3151	113.4	1.5281
Sn 189.925	11.1717	ppb	2.9191	26.1	5.9211
Sr 216.596	-0.2943	ppb	0.2467	83.8	-3.6411
Ti 334.941	1.5876	ppb	0.1791	11.3	116.785
Tl 190.794	-0.2493	ppb	4.8238	1935.1	-1.6331
V 292.401	-0.1845	ppb	0.1415	76.7	-2.5836
Zn 206.200	3.6551	ppb	0.5551	15.2	4.0351

lcs 680-260337/2-a (Samp) **12/21/2012, 6:00:17 AM** **Rack 3, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	48.7420	48.5035	48.7395
Al 308.215	4154.74	4161.77	4171.16
As 188.980	91.8020	94.2455	93.9550
B 249.678	194.195	193.171	193.121
Ba 389.178	84.6747	84.9441	84.7447
Be 313.042	47.8671	47.8534	47.7932
Ca 370.602	4373	4380	4384
Cd 226.502	45.8024	46.0611	45.9520
Co 228.615	42.9057	43.0916	42.7903
Cr 267.716	92.6684	92.6675	92.5543
Cu 324.754	133.412	134.038	131.479
Fe 271.441	4393.29	4400.28	4396.60
K 766.491	4133.37	4145.61	4138.64
Mg 279.078	4512.11	4523.41	4517.83
Mn 257.610	481.889	480.430	479.709
Mo 202.032	85.9776	87.6022	86.3984
Na 330.237	4271.46	4272.07	4309.11
Ni 231.604	88.6027	88.2797	89.6247
Pb 220.353	44.2647	44.8147	44.6814
Sb 206.834	43.5548	44.0760	44.1959
Se 196.026	94.6573	96.4155	97.1613
Sn 189.925	97.8289	97.1152	98.5022
Sr 216.596	87.2619	87.7177	87.7105
Ti 334.941	90.3300	90.1712	90.1076
Tl 190.794	35.7687	29.6081	38.3622
V 292.401	87.5545	87.7062	87.1955
Zn 206.200	101.472	101.009	99.2223

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	48.6617	ppb	0.1370	0.3	1902.28
Al 308.215	4162.55	ppb	8.2369	0.2	13141.5
As 188.980	93.3341	ppb	1.3348	1.4	47.2204
B 249.678	193.496	ppb	0.6059	0.3	2079.14
Ba 389.178	84.7878	ppb	0.1398	0.2	1054.67
Be 313.042	47.8379	ppb	0.0393	0.1	50550.1
Ca 370.602	4379	ppb	5.767	0.1	9778
Cd 226.502	45.9385	ppb	0.1299	0.3	1397.52
Co 228.615	42.9292	ppb	0.1520	0.4	367.838
Cr 267.716	92.6301	ppb	0.0656	0.1	2848.07
Cu 324.754	132.977	ppb	1.3338	1.0	6944.27
Fe 271.441	4396.73	ppb	3.4979	0.1	4483.22
K 766.491	4139.21	ppb	6.1437	0.1	128073
Mg 279.078	4517.78	ppb	5.6459	0.1	7445.00
Mn 257.610	480.676	ppb	1.1107	0.2	23820.2
Mo 202.032	86.6594	ppb	0.8432	1.0	466.204
Na 330.237	4284.21	ppb	21.5616	0.5	156.805
Ni 231.604	88.8357	ppb	0.7021	0.8	192.969
Pb 220.353	44.5869	ppb	0.2870	0.6	53.9981
Sb 206.834	43.9422	ppb	0.3409	0.8	49.4158
Se 196.026	96.0780	ppb	1.2857	1.3	32.1315
Sn 189.925	97.8154	ppb	0.6936	0.7	58.7889
Sr 216.596	87.5634	ppb	0.2611	0.3	704.977
Ti 334.941	90.2029	ppb	0.1145	0.1	7589.45
Tl 190.794	34.5797	ppb	4.4965	13.0	14.3576
V 292.401	87.4854	ppb	0.2622	0.3	1527.38
Zn 206.200	100.568	ppb	1.1881	1.2	83.8834

680-85702-a-1-c (Samp) **12/21/2012, 6:06:45 AM** **Rack 3, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.7880	0.6597	0.5463
Al 308.215	56.7722	54.9035	56.2840
As 188.980	4.2866	-3.6624u	-5.2405u
B 249.678	11.7415	11.7738	11.1509
Ba 389.178	2.3015	2.9782	2.0579
Be 313.042	0.3873	0.3919	0.3929
Ca 370.602	2479	2494	2487
Cd 226.502	0.1905	0.2912	0.3575
Co 228.615	1.8485	1.1801	1.8931
Cr 267.716	15.2987	15.1024	15.3834
Cu 324.754	7904.47	8054.94	8009.08
Fe 271.441	1464.35	1474.77	1478.69
K 766.491	264.203	265.920	264.627
Mg 279.078	302.393	307.404	306.842
Mn 257.610	170.125	170.006	170.288
Mo 202.032	7.4110	8.0551	6.8982
Na 330.237	7154.57	7276.53	7329.13
Ni 231.604	12.4942	12.9432	13.2871
Pb 220.353	5.6555	4.1250	8.4169
Sb 206.834	2.6702	4.3910	2.8144
Se 196.026	0.5307	4.1302	8.2148
Sn 189.925	12.3519	10.9903	13.3270
Sr 216.596	9.2721	9.2300	9.2350
Ti 334.941	0.9773	1.1119	0.9113
Tl 190.794	-3.6197u	-1.5114u	-3.1504u
V 292.401	0.7971	0.7180	0.7287
Zn 206.200	232.197	230.057	229.632

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6646	ppb	0.1209	18.2	17.5762
Al 308.215	55.9866	ppb	0.9692	1.7	198.552
As 188.980	-1.5387	ppb	5.1063	331.8	-0.9246
B 249.678	11.5554	ppb	0.3507	3.0	163.172
Ba 389.178	2.4459	ppb	0.4768	19.5	21.1397
Be 313.042	0.3907	ppb	0.0030	0.8	344.747
Ca 370.602	2487	ppb	7.701	0.3	5832
Cd 226.502	0.2797	ppb	0.0841	30.1	13.1050
Co 228.615	1.6406	ppb	0.3994	24.3	7.9032
Cr 267.716	15.2615	ppb	0.1441	0.9	480.217
Cu 324.754	7989.50	ppb	77.1249	1.0	405165
Fe 271.441	1472.60	ppb	7.4130	0.5	1489.91
K 766.491	264.917	ppb	0.8939	0.3	8367.15
Mg 279.078	305.546	ppb	2.7457	0.9	509.974
Mn 257.610	170.140	ppb	0.1412	0.1	8441.35
Mo 202.032	7.4547	ppb	0.5797	7.8	43.1476
Na 330.237	7253.41	ppb	89.5437	1.2	268.533
Ni 231.604	12.9081	ppb	0.3976	3.1	26.8629
Pb 220.353	6.0658	ppb	2.1752	35.9	9.1656
Sb 206.834	3.2919	ppb	0.9546	29.0	4.3386
Se 196.026	4.2919	ppb	3.8446	89.6	3.2467
Sn 189.925	12.2231	ppb	1.1736	9.6	6.5651
Sr 216.596	9.2457	ppb	0.0230	0.2	70.6187
Ti 334.941	1.0002	ppb	0.1022	10.2	67.3223
Tl 190.794	-2.7605	ppb	1.1069	40.1	-2.7909
V 292.401	0.7479	ppb	0.0429	5.7	12.7817
Zn 206.200	230.629	ppb	1.3749	0.6	101.533

680-85702-a-1-c (Samp) **12/21/2012, 6:13:13 AM** **Rack 3, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3160	-0.0522u	0.1866
Al 308.215	10.9522	12.0474	12.2445
As 188.980	0.5555	-3.3001u	-1.0859u
B 249.678	1.8039	1.7419	1.9390
Ba 389.178	0.9468	0.5660	0.0121
Be 313.042	0.0699	0.0585	0.0600
Ca 370.602	503.1	494.7	490.8
Cd 226.502	0.0228	0.1101	0.2064
Co 228.615	0.4180	0.3510	0.6251
Cr 267.716	2.9486	3.0968	3.1436
Cu 324.754	1591.97	1594.90	1553.17
Fe 271.441	302.366	294.658	293.012
K 766.491	58.5657	57.5648	57.4124
Mg 279.078	63.2241	60.5562	61.5856
Mn 257.610	34.9590	34.7663	33.8756
Mo 202.032	1.1548	1.2087	1.2404
Na 330.237	1408.49	1422.21	1567.37
Ni 231.604	3.2319	3.0367	2.8749
Pb 220.353	1.9833	2.0911	2.7213
Sb 206.834	2.4452	1.5464	2.6739
Se 196.026	-5.1148u	-2.5594u	4.1068
Sn 189.925	1.2001	1.3771	1.7001
Sr 216.596	1.7730	1.5835	1.5074
Ti 334.941	0.2645	0.1040	0.1612
Tl 190.794	-3.5952u	-0.8859u	-1.6956u
V 292.401	0.0541	0.0241	0.1521
Zn 206.200	44.3533	47.1251	45.4324

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1501	ppb	0.1868	124.4	-2.4034
Al 308.215	11.7481	ppb	0.6962	5.9	59.0606
As 188.980	-1.2769	ppb	1.9349	151.5	-0.7904
B 249.678	1.8283	ppb	0.1008	5.5	61.2630
Ba 389.178	0.5083	ppb	0.4700	92.5	-3.2574
Be 313.042	0.0628	ppb	0.0062	9.9	-2.5326
Ca 370.602	496.2	ppb	6.275	1.3	1177
Cd 226.502	0.1131	ppb	0.0918	81.2	5.3472
Co 228.615	0.4647	ppb	0.1429	30.7	-2.2684
Cr 267.716	3.0630	ppb	0.1018	3.3	106.581
Cu 324.754	1580.01	ppb	23.2954	1.5	80288.1
Fe 271.441	296.679	ppb	4.9937	1.7	287.534
K 766.491	57.8476	ppb	0.6265	1.1	1969.21
Mg 279.078	61.7886	ppb	1.3455	2.2	109.570
Mn 257.610	34.5336	ppb	0.5780	1.7	1727.24
Mo 202.032	1.2013	ppb	0.0433	3.6	9.7837
Na 330.237	1466.02	ppb	88.0386	6.0	52.6445
Ni 231.604	3.0479	ppb	0.1787	5.9	5.2796
Pb 220.353	2.2652	ppb	0.3986	17.6	4.6922
Sb 206.834	2.2219	ppb	0.5960	26.8	3.1277
Se 196.026	-1.1891	ppb	4.7610	400.4	1.5193
Sn 189.925	1.4258	ppb	0.2535	17.8	-0.0248
Sr 216.596	1.6213	ppb	0.1368	8.4	11.2030
Ti 334.941	0.1766	ppb	0.0814	46.1	-2.1869
Tl 190.794	-2.0589	ppb	1.3907	67.5	-2.4596
V 292.401	0.0768	ppb	0.0670	87.2	1.8568
Zn 206.200	45.6369	ppb	1.3972	3.1	38.7192

680-85702-a-1-c (Samp) **12/21/2012, 6:19:41 AM** **Rack 3, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	54.0262	53.1185	53.0552
Al 308.215	2001.18	2001.56	1996.08
As 188.980	2226.79	2234.24	2188.97
B 249.678	1083.31	1084.44	1083.73
Ba 389.178	2031.43	2029.75	2025.88
Be 313.042	56.4712	56.3676	56.2773
Ca 370.602	7353	7356	7334
Cd 226.502	50.3530	50.1681	50.2361
Co 228.615	514.270	514.608	513.708
Cr 267.716	226.648	225.797	226.140
Cu 324.754	8117.00	8023.13	8172.79
Fe 271.441	2465.06	2459.52	2456.66
K 766.491	5118.96	5120.59	5115.65
Mg 279.078	5508.79	5493.96	5489.69
Mn 257.610	717.488	712.794	712.773
Mo 202.032	506.924	507.474	506.490
Na 330.237	12304.4	12297.0	12389.2
Ni 231.604	518.786	521.354	522.861
Pb 220.353	495.641	494.751	493.345
Sb 206.834	499.477	499.716	498.441
Se 196.026	2135.97	2130.94	2119.69
Sn 189.925	1019.84	1019.33	1006.31
Sr 216.596	520.481	519.596	519.960
Ti 334.941	1025.56	1018.64	1018.32
Tl 190.794	1884.22	1899.31	1882.89
V 292.401	504.193	504.156	504.452
Zn 206.200	740.739	740.166	740.942

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.4000	ppb	0.5433	1.0	2086.43
Al 308.215	1999.61	ppb	3.0598	0.2	6349.82
As 188.980	2216.67	ppb	24.2732	1.1	1125.04
B 249.678	1083.82	ppb	0.5719	0.1	11463.4
Ba 389.178	2029.02	ppb	2.8455	0.1	25368.0
Be 313.042	56.3720	ppb	0.0971	0.2	59604.1
Ca 370.602	7348	ppb	11.69	0.2	17763
Cd 226.502	50.2524	ppb	0.0935	0.2	1523.31
Co 228.615	514.195	ppb	0.4547	0.1	4484.48
Cr 267.716	226.195	ppb	0.4283	0.2	6933.49
Cu 324.754	8104.31	ppb	75.6305	0.9	411002
Fe 271.441	2460.41	ppb	4.2663	0.2	2539.10
K 766.491	5118.40	ppb	2.5180	0.0	158328
Mg 279.078	5497.48	ppb	10.0270	0.2	9056.89
Mn 257.610	714.351	ppb	2.7164	0.4	35388.8
Mo 202.032	506.963	ppb	0.4930	0.1	2711.33
Na 330.237	12330.2	ppb	51.1878	0.4	452.478
Ni 231.604	521.000	ppb	2.0601	0.4	1138.18
Pb 220.353	494.579	ppb	1.1577	0.2	578.740
Sb 206.834	499.211	ppb	0.6777	0.1	554.462
Se 196.026	2128.87	ppb	8.3347	0.4	671.677
Sn 189.925	1015.16	ppb	7.6694	0.8	618.506
Sr 216.596	520.013	ppb	0.4447	0.1	4153.97
Ti 334.941	1020.84	ppb	4.0875	0.4	86055.0
Tl 190.794	1888.80	ppb	9.1183	0.5	864.665
V 292.401	504.267	ppb	0.1613	0.0	8808.41
Zn 206.200	740.615	ppb	0.4026	0.1	612.277

680-85702-a-1-d ms (Samp) **12/21/2012, 6:26:09 AM** **Rack 3, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	106.430	106.506	105.791
Al 308.215	10116.6	10077.6	10105.0
As 188.980	222.442	227.606	216.302
B 249.678	453.392	454.813	454.350
Ba 389.178	206.437	206.652	206.253
Be 313.042	119.245	119.111	119.261
Ca 370.602	14502	14487	14510
Cd 226.502	101.306	101.404	101.207
Co 228.615	104.880	103.971	104.937
Cr 267.716	242.496	242.753	242.604
Cu 324.754	13494.0	13503.9	13489.5
Fe 271.441	12649.7	12620.9	12644.9
K 766.491	9611.27	9580.58	9575.50
Mg 279.078	11055.8	11060.5	11060.1
Mn 257.610	1411.56	1415.58	1412.58
Mo 202.032	215.520	216.982	216.249
Na 330.237	21836.8	21631.4	21653.7
Ni 231.604	228.495	226.286	227.347
Pb 220.353	103.166	109.065	110.227
Sb 206.834	108.141	102.469	104.331
Se 196.026	231.391	230.585	221.787
Sn 189.925	221.251	222.960	222.553
Sr 216.596	223.221	222.220	223.211
Ti 334.941	215.027	215.833	215.634
Tl 190.794	72.2404	77.0912	71.0049
V 292.401	210.670	209.830	209.837
Zn 206.200	587.802	585.747	588.335

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	106.242	ppb	0.3927	0.4	4162.30
Al 308.215	10099.7	ppb	20.0197	0.2	31854.2
As 188.980	222.117	ppb	5.6587	2.5	112.569
B 249.678	454.185	ppb	0.7248	0.2	4822.34
Ba 389.178	206.447	ppb	0.1993	0.1	2581.78
Be 313.042	119.205	ppb	0.0823	0.1	126067
Ca 370.602	14500	ppb	11.77	0.1	32860
Cd 226.502	101.305	ppb	0.0982	0.1	3087.22
Co 228.615	104.596	ppb	0.5422	0.5	905.177
Cr 267.716	242.618	ppb	0.1291	0.1	7439.53
Cu 324.754	13495.8	ppb	7.3942	0.1	684266
Fe 271.441	12638.5	ppb	15.4196	0.1	12915.0
K 766.491	9589.11	ppb	19.3547	0.2	296462
Mg 279.078	11058.8	ppb	2.6229	0.0	18210.5
Mn 257.610	1413.24	ppb	2.0907	0.1	69998.2
Mo 202.032	216.250	ppb	0.7308	0.3	1158.26
Na 330.237	21707.3	ppb	112.736	0.5	805.558
Ni 231.604	227.376	ppb	1.1048	0.5	496.088
Pb 220.353	107.486	ppb	3.7863	3.5	127.366
Sb 206.834	104.980	ppb	2.8910	2.8	117.210
Se 196.026	227.921	ppb	5.3276	2.3	73.6323
Sn 189.925	222.255	ppb	0.8930	0.4	134.723
Sr 216.596	222.884	ppb	0.5751	0.3	1792.05
Ti 334.941	215.498	ppb	0.4199	0.2	18155.3
Tl 190.794	73.4455	ppb	3.2171	4.4	32.1985
V 292.401	210.113	ppb	0.4832	0.2	3666.01
Zn 206.200	587.295	ppb	1.3667	0.2	485.654

680-85702-a-1-e msd (Samp) **12/21/2012, 6:32:37 AM** **Rack 3, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	105.772	105.564	105.153
Al 308.215	9804.31	9894.04	9876.18
As 188.980	220.545	213.281	210.969
B 249.678	443.371	445.950	445.739
Ba 389.178	200.563	202.169	202.243
Be 313.042	114.925	115.359	115.238
Ca 370.602	14349	14434	14396
Cd 226.502	100.242	101.076	101.019
Co 228.615	101.996	102.380	102.010
Cr 267.716	235.859	236.632	236.055
Cu 324.754	13662.5	13712.6	13645.5
Fe 271.441	12385.9	12466.6	12445.6
K 766.491	9451.92	9531.90	9493.56
Mg 279.078	10718.9	10747.4	10733.3
Mn 257.610	1377.74	1378.29	1375.18
Mo 202.032	212.364	213.154	212.328
Na 330.237	21762.4	21926.5	21826.7
Ni 231.604	220.790	219.994	222.725
Pb 220.353	105.071	109.426	107.087
Sb 206.834	103.570	103.451	104.888
Se 196.026	221.425	226.060	214.304
Sn 189.925	222.966	218.293	217.911
Sr 216.596	217.821	217.764	217.089
Ti 334.941	207.003	206.296	205.687
Tl 190.794	69.6774	74.3598	76.0692
V 292.401	203.345	204.074	204.384
Zn 206.200	600.648	601.892	602.403

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	105.496	ppb	0.3154	0.3	4133.08
Al 308.215	9858.18	ppb	47.4953	0.5	31092.8
As 188.980	214.932	ppb	4.9970	2.3	108.922
B 249.678	445.020	ppb	1.4319	0.3	4725.86
Ba 389.178	201.658	ppb	0.9494	0.5	2521.61
Be 313.042	115.174	ppb	0.2241	0.2	121802
Ca 370.602	14393	ppb	43.00	0.3	32651
Cd 226.502	100.779	ppb	0.4663	0.5	3070.79
Co 228.615	102.129	ppb	0.2175	0.2	883.634
Cr 267.716	236.182	ppb	0.4017	0.2	7242.55
Cu 324.754	13673.5	ppb	34.8584	0.3	693276
Fe 271.441	12432.7	ppb	41.8667	0.3	12704.4
K 766.491	9492.46	ppb	40.0021	0.4	293476
Mg 279.078	10733.2	ppb	14.2404	0.1	17674.5
Mn 257.610	1377.07	ppb	1.6604	0.1	68206.9
Mo 202.032	212.615	ppb	0.4669	0.2	1138.84
Na 330.237	21838.5	ppb	82.6864	0.4	810.487
Ni 231.604	221.170	ppb	1.4045	0.6	482.513
Pb 220.353	107.195	ppb	2.1791	2.0	127.037
Sb 206.834	103.970	ppb	0.7978	0.8	116.090
Se 196.026	220.596	ppb	5.9219	2.7	71.3273
Sn 189.925	219.723	ppb	2.8146	1.3	133.178
Sr 216.596	217.558	ppb	0.4072	0.2	1749.10
Ti 334.941	206.329	ppb	0.6586	0.3	17382.1
Tl 190.794	73.3688	ppb	3.3092	4.5	32.1587
V 292.401	203.934	ppb	0.5335	0.3	3558.03
Zn 206.200	601.648	ppb	0.9028	0.2	407.530

680-85702-a-2-c (Samp) **12/21/2012, 6:39:05 AM** **Rack 3, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3841u	-0.4610u	-0.0798u
Al 308.215	10.1039	10.6628	9.9443
As 188.980	-0.0618u	2.6192	-2.5237u
B 249.678	14611.8	14657.0	14654.7
Ba 389.178	5.9660	4.8188	5.1426
Be 313.042	-0.0235	-0.0336u	-0.0221
Ca 370.602	599.8u	603.0u	601.6u
Cd 226.502	0.2185	0.1025	0.3915
Co 228.615	-0.0023	0.2039	0.2872
Cr 267.716	2.5172	2.4653	2.4084
Cu 324.754	73.9007	74.0522	73.8957
Fe 271.441	5909.40	5886.61	5887.49
K 766.491	441.045	437.020	436.098
Mg 279.078	1630.15	1634.55	1636.16
Mn 257.610	25.7299	25.6945	25.5414
Mo 202.032	3.7718	4.3782	3.5692
Na 330.237	4088.18	4298.97	3894.01
Ni 231.604	3.9092	6.3629	5.6062
Pb 220.353	22.6805	25.3962	22.7480
Sb 206.834	9.2358	10.3781	7.7492
Se 196.026	5.8034	10.9566	8.3671
Sn 189.925	20.2378	25.9051	17.7801
Sr 216.596	1.4160	1.4268	2.2046
Ti 334.941	0.3857	0.4785	0.4523
Tl 190.794	-6.9788u	-5.5929u	-8.7304u
V 292.401	-0.2068u	0.2840	0.0547
Zn 206.200	12.2173	10.9374	12.8430

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3083	ppb	0.2016	65.4	-21.3107
Al 308.215	10.2370	ppb	0.3773	3.7	54.3409
As 188.980	0.0113	ppb	2.5722	22847.3	-0.1371
B 249.678	14641.2	ppb	25.4719	0.2	154343
Ba 389.178	5.3092	ppb	0.5915	11.1	58.7694
Be 313.042	-0.0264	ppb	0.0063	23.7	-66.6508
Ca 370.602	601.5	ppb	1.581	0.3	-62.31
Cd 226.502	0.2375	ppb	0.1455	61.2	21.4755
Co 228.615	0.1629	ppb	0.1491	91.5	-4.7643
Cr 267.716	2.4636	ppb	0.0544	2.2	89.4554
Cu 324.754	73.9496	ppb	0.0889	0.1	3950.40
Fe 271.441	5894.50	ppb	12.9135	0.2	6010.56
K 766.491	438.054	ppb	2.6307	0.6	13716.7
Mg 279.078	1633.62	ppb	3.1108	0.2	2698.97
Mn 257.610	25.6553	ppb	0.1002	0.4	1291.67
Mo 202.032	3.9064	ppb	0.4209	10.8	24.0267
Na 330.237	4093.72	ppb	202.539	4.9	150.220
Ni 231.604	5.2928	ppb	1.2565	23.7	10.3814
Pb 220.353	23.6082	ppb	1.5488	6.6	29.7380
Sb 206.834	9.1210	ppb	1.3182	14.5	10.8880
Se 196.026	8.3757	ppb	2.5766	30.8	4.5425
Sn 189.925	21.3077	ppb	4.1668	19.6	12.1064
Sr 216.596	1.6825	ppb	0.4522	26.9	20.5924
Ti 334.941	0.4388	ppb	0.0478	10.9	20.0607
Tl 190.794	-7.1007	ppb	1.5723	22.1	-5.1290
V 292.401	0.0440	ppb	0.2456	558.7	2.5880
Zn 206.200	11.9992	ppb	0.9713	8.1	10.9667

mb 680-260461/1-a (Samp) **12/21/2012, 6:45:33 AM** **Rack 3, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2552u	-0.0937u	0.2702
Al 308.215	1.2634	0.7503	2.3582
As 188.980	-3.6893u	-1.1794u	-0.5228u
B 249.678	65.2105	54.2485	46.2145
Ba 389.178	-1.2001u	-0.9471u	0.2338
Be 313.042	-0.0125u	-0.0083u	-0.0184u
Ca 370.602	7.472	4.476	0.6650
Cd 226.502	0.0289	0.0090	0.0804
Co 228.615	-0.4392u	-0.3815u	0.4063
Cr 267.716	0.1114	0.0935	0.1656
Cu 324.754	0.6755	0.5711	0.6459
Fe 271.441	0.6392	6.0403	6.8335
K 766.491	1.7065	1.9541	1.7363
Mg 279.078	1.4374	2.2989	0.8164
Mn 257.610	-0.0672u	-0.0606u	0.0352
Mo 202.032	-0.2095u	0.3474	-0.0473u
Na 330.237	105.300	187.111	249.026
Ni 231.604	-0.0680u	0.5081	-0.0111u
Pb 220.353	-0.0672u	-0.9678u	-0.0878u
Sb 206.834	0.1279	2.5970	-2.0391u
Se 196.026	-8.1148u	-0.6314u	4.2076
Sn 189.925	-0.3742u	-0.3520u	-1.1745u
Sr 216.596	0.5767	0.4020	0.1684
Ti 334.941	-0.0858u	0.0391	-0.0042u
Tl 190.794	2.3214	3.3032	1.1179
V 292.401	-0.0199u	-0.0431u	0.1439
Zn 206.200	-0.2786u	0.9334	2.8459

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0262	ppb	0.2691	1026.7	-9.2776
Al 308.215	1.4573	ppb	0.8213	56.4	26.6150
As 188.980	-1.7972	ppb	1.6712	93.0	-1.0542
B 249.678	55.2245	ppb	9.5356	17.3	624.157
Ba 389.178	-0.6378	ppb	0.7654	120.0	-17.6294
Be 313.042	-0.0131	ppb	0.0051	38.8	-82.7624
Ca 370.602	4.204	ppb	3.412	81.1	25.53
Cd 226.502	0.0394	ppb	0.0368	93.5	2.4573
Co 228.615	-0.1381	ppb	0.4724	342.0	-7.5035
Cr 267.716	0.1235	ppb	0.0376	30.4	16.5437
Cu 324.754	0.6308	ppb	0.0538	8.5	234.015
Fe 271.441	4.5043	ppb	3.3707	74.8	-11.2275
K 766.491	1.7990	ppb	0.1352	7.5	237.440
Mg 279.078	1.5176	ppb	0.7445	49.1	10.5705
Mn 257.610	-0.0309	ppb	0.0573	185.7	15.8945
Mo 202.032	0.0302	ppb	0.2864	948.3	3.5379
Na 330.237	180.479	ppb	72.0921	39.9	4.7099
Ni 231.604	0.1430	ppb	0.3175	222.0	-1.0758
Pb 220.353	-0.3743	ppb	0.5141	137.4	1.6005
Sb 206.834	0.2286	ppb	2.3197	1014.7	0.8989
Se 196.026	-1.5129	ppb	6.2083	410.4	1.4167
Sn 189.925	-0.6336	ppb	0.4686	74.0	-1.2818
Sr 216.596	0.3824	ppb	0.2048	53.6	1.7246
Ti 334.941	-0.0170	ppb	0.0634	374.2	-18.5238
Tl 190.794	2.2475	ppb	1.0945	48.7	-0.4852
V 292.401	0.0270	ppb	0.1019	377.7	1.2021
Zn 206.200	1.1669	ppb	1.5753	135.0	1.9845

lcs 680-260461/2-a (Samp) **12/21/2012, 6:52:01 AM** **Rack 3, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.5472	53.6162	53.5490
Al 308.215	5085.56	5051.17	5083.65
As 188.980	111.257	111.185	114.313
B 249.678	239.900	240.761	239.132
Ba 389.178	102.474	103.258	101.991
Be 313.042	57.3736	57.2778	57.2579
Ca 370.602	5275	5252	5259
Cd 226.502	52.8086	52.6480	52.5624
Co 228.615	51.7609	52.1211	53.0881
Cr 267.716	109.892	110.214	110.177
Cu 324.754	109.340	109.086	109.690
Fe 271.441	5273.89	5248.42	5260.31
K 766.491	5297.39	5268.95	5284.74
Mg 279.078	5452.00	5445.30	5454.90
Mn 257.610	579.072	580.469	577.973
Mo 202.032	103.619	102.142	103.534
Na 330.237	5127.28	5053.28	5108.23
Ni 231.604	107.525	106.279	105.851
Pb 220.353	53.8488	54.6342	52.1654
Sb 206.834	50.7044	54.9956	53.1663
Se 196.026	117.053	112.387	112.024
Sn 189.925	100.903	103.170	105.798
Sr 216.596	106.330	106.033	105.975
Ti 334.941	107.777	108.224	107.571
Tl 190.794	41.0421	39.3216	37.6617
V 292.401	105.532	104.745	105.497
Zn 206.200	108.406	109.988	109.305

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.5708	ppb	0.0393	0.1	2094.89
Al 308.215	5073.46	ppb	19.3265	0.4	16012.4
As 188.980	112.252	ppb	1.7859	1.6	56.8204
B 249.678	239.931	ppb	0.8148	0.3	2568.09
Ba 389.178	102.575	ppb	0.6396	0.6	1277.93
Be 313.042	57.3031	ppb	0.0619	0.1	60565.7
Ca 370.602	5262	ppb	11.76	0.2	11755
Cd 226.502	52.6730	ppb	0.1250	0.2	1602.74
Co 228.615	52.3233	ppb	0.6863	1.3	449.754
Cr 267.716	110.094	ppb	0.1760	0.2	3382.64
Cu 324.754	109.372	ppb	0.3033	0.3	5748.21
Fe 271.441	5260.88	ppb	12.7425	0.2	5367.54
K 766.491	5283.69	ppb	14.2476	0.3	163435
Mg 279.078	5450.73	ppb	4.9196	0.1	8980.78
Mn 257.610	579.171	ppb	1.2510	0.2	28697.7
Mo 202.032	103.098	ppb	0.8296	0.8	554.000
Na 330.237	5096.26	ppb	38.4277	0.8	186.951
Ni 231.604	106.551	ppb	0.8698	0.8	231.727
Pb 220.353	53.5495	ppb	1.2613	2.4	64.4425
Sb 206.834	52.9554	ppb	2.1534	4.1	59.4309
Se 196.026	113.822	ppb	2.8042	2.5	37.7161
Sn 189.925	103.290	ppb	2.4499	2.4	62.1299
Sr 216.596	106.113	ppb	0.1900	0.2	854.582
Ti 334.941	107.858	ppb	0.3338	0.3	9078.21
Tl 190.794	39.3418	ppb	1.6903	4.3	16.5495
V 292.401	105.258	ppb	0.4449	0.4	1837.72
Zn 206.200	109.233	ppb	0.7934	0.7	91.0010

680-85892-a-1-a (Samp) **12/21/2012, 6:58:29 AM** **Rack 3, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1702u	0.0031u	0.1424
Al 308.215	17.7005	16.0548	18.0590
As 188.980	8.5611	5.5810	5.4585
B 249.678	99.8877	98.4793	98.2745
Ba 389.178	801.451	802.699	803.391
Be 313.042	0.0442	0.0385	0.0401
Ca 370.602	107943	107878	107903
Cd 226.502	-0.2371	-0.2104	-0.1932
Co 228.615	24.2252	24.5942	24.6350
Cr 267.716	0.9231	1.0616	1.3262
Cu 324.754	16.7310	17.2637	16.6248
Fe 271.441	3820.17	3815.12	3823.56
K 766.491	2364.90	2358.54	2360.65
Mg 279.078	44011.0	43892.5	43892.0
Mn 257.610	1965.90	1953.26	1953.43
Mo 202.032	-0.0508u	0.3753	-0.1912u
Na 330.237	55734.5	56259.8	56261.1
Ni 231.604	512.655	514.423	516.649
Pb 220.353	-0.3179u	2.7218	1.0272
Sb 206.834	-0.2353u	-1.3279u	-2.1382u
Se 196.026	-3.2271u	4.8933	4.9651
Sn 189.925	-2.3896u	0.4894	-4.3682u
Sr 216.596	674.420	672.862	670.643
Ti 334.941	0.8450	0.8438	0.8880
Tl 190.794	-4.6591u	0.5861	-2.2180u
V 292.401	0.9948	1.2339	0.8699
Zn 206.200	63.3102	63.9920	61.1966

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0082	ppb	0.1566	1898.6	-13.9254
Al 308.215	17.2714	ppb	1.0688	6.2	76.4573
As 188.980	6.5335	ppb	1.7570	26.9	3.1748
B 249.678	98.8805	ppb	0.8783	0.9	1082.30
Ba 389.178	802.513	ppb	0.9830	0.1	10049.2
Be 313.042	0.0409	ppb	0.0030	7.2	-7.8258
Ca 370.602	107908	ppb	32.99	0.0	268404
Cd 226.502	-0.2136	ppb	0.0222	10.4	10.8581
Co 228.615	24.4848	ppb	0.2257	0.9	207.390
Cr 267.716	1.1036	ppb	0.2048	18.6	47.9486
Cu 324.754	16.8732	ppb	0.3424	2.0	1057.30
Fe 271.441	3819.61	ppb	4.2460	0.1	3892.57
K 766.491	2361.37	ppb	3.2385	0.1	73142.4
Mg 279.078	43931.8	ppb	68.5755	0.2	72350.1
Mn 257.610	1957.53	ppb	7.2494	0.4	96971.3
Mo 202.032	0.0444	ppb	0.2950	664.0	3.4722
Na 330.237	56085.1	ppb	303.687	0.5	2097.83
Ni 231.604	514.576	ppb	2.0013	0.4	1124.19
Pb 220.353	1.1437	ppb	1.5232	133.2	3.7049
Sb 206.834	-1.2338	ppb	0.9550	77.4	-0.6777
Se 196.026	2.2104	ppb	4.7092	213.0	2.5976
Sn 189.925	-2.0894	ppb	2.4427	116.9	-2.1207
Sr 216.596	672.642	ppb	1.8982	0.3	5396.43
Ti 334.941	0.8589	ppb	0.0252	2.9	54.8565
Tl 190.794	-2.0970	ppb	2.6247	125.2	-1.7636
V 292.401	1.0329	ppb	0.1850	17.9	6.8570
Zn 206.200	62.8329	ppb	1.4576	2.3	53.6348

680-85892-a-1-a (Samp) **12/21/2012, 7:17:54 AM** **Rack 3, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0143u	-0.0334u	-0.1436u
Al 308.215	5.7487	4.5545	5.4010
As 188.980	3.1309	-3.1388u	0.3411
B 249.678	23.5028	22.9182	21.9502
Ba 389.178	167.615	165.075	164.946
Be 313.042	-0.0086u	-0.0082u	-0.0028
Ca 370.602	22067	21758	21672
Cd 226.502	0.0964	-0.1202u	0.1215
Co 228.615	4.7124	4.8540	5.2782
Cr 267.716	0.1042	0.3027	0.2647
Cu 324.754	3.8556	3.8817	3.5745
Fe 271.441	805.492	799.636	785.077
K 766.491	453.966	446.164	443.314
Mg 279.078	9120.65	9013.31	8968.31
Mn 257.610	417.041	414.223	409.596
Mo 202.032	0.1245	0.1791	0.3580
Na 330.237	10827.7	11181.2	10866.2
Ni 231.604	108.947	106.316	107.144
Pb 220.353	0.4376	-0.7057u	-1.0022u
Sb 206.834	-0.4233u	0.6917	0.4726
Se 196.026	5.4529	-0.3763u	5.8114
Sn 189.925	-0.2775u	-0.6945u	-1.6788u
Sr 216.596	141.816	140.148	139.879
Ti 334.941	0.2276	0.2042	0.2250
Tl 190.794	-0.3012	0.3536	-3.5534u
V 292.401	0.0476u	-0.2472u	0.0419u
Zn 206.200	12.4499	12.7029	12.9029

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0638	ppb	0.0698	109.4	-11.8739
Al 308.215	5.2347	ppb	0.6142	11.7	38.5135
As 188.980	0.1110	ppb	3.1411	2828.7	-0.0856
B 249.678	22.7904	ppb	0.7842	3.4	281.927
Ba 389.178	165.879	ppb	1.5049	0.9	2069.49
Be 313.042	-0.0065	ppb	0.0032	49.2	-72.3191
Ca 370.602	21832	ppb	207.4	0.9	54312
Cd 226.502	0.0326	ppb	0.1329	407.9	5.5465
Co 228.615	4.9482	ppb	0.2944	6.0	36.8797
Cr 267.716	0.2239	ppb	0.1053	47.1	19.9008
Cu 324.754	3.7706	ppb	0.1703	4.5	393.172
Fe 271.441	796.735	ppb	10.5124	1.3	799.424
K 766.491	447.814	ppb	5.5145	1.2	14018.2
Mg 279.078	9034.09	ppb	78.2695	0.9	14884.3
Mn 257.610	413.620	ppb	3.7590	0.9	20503.2
Mo 202.032	0.2205	ppb	0.1221	55.4	4.5254
Na 330.237	10958.4	ppb	193.951	1.8	408.216
Ni 231.604	107.469	ppb	1.3453	1.3	233.685
Pb 220.353	-0.4234	ppb	0.7603	179.5	1.6116
Sb 206.834	0.2470	ppb	0.5907	239.2	0.9274
Se 196.026	3.6294	ppb	3.4736	95.7	3.0365
Sn 189.925	-0.8836	ppb	0.7195	81.4	-1.4245
Sr 216.596	140.614	ppb	1.0494	0.7	1127.01
Ti 334.941	0.2189	ppb	0.0128	5.9	1.2773
Tl 190.794	-1.1670	ppb	2.0925	179.3	-1.9004
V 292.401	-0.0526	ppb	0.1686	320.6	-2.6703
Zn 206.200	12.6853	ppb	0.2270	1.8	11.6454

680-85892-a-1-a (Samp) **12/21/2012, 7:24:23 AM** **Rack 3, Tube 40**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.7182	53.8971	54.1265
Al 308.215	2031.41	2043.37	2044.42
As 188.980	2274.21	2268.59	2249.03
B 249.678	1197.73	1199.92	1198.61
Ba 389.178	2798.54	2794.28	2795.05
Be 313.042	54.7149	54.7125	54.6542
Ca 370.602	111989	111999	111946
Cd 226.502	49.1828	49.3125	49.4379
Co 228.615	526.039	526.096	525.370
Cr 267.716	211.421	211.710	211.522
Cu 324.754	276.051	276.342	275.097
Fe 271.441	4811.26	4796.00	4802.89
K 766.491	8214.87	8235.69	8242.02
Mg 279.078	49175.5	49138.8	49029.0
Mn 257.610	2504.10	2491.22	2489.71
Mo 202.032	498.227	496.678	498.546
Na 330.237	61859.8	61456.9	62086.4
Ni 231.604	1011.91	1009.12	1004.86
Pb 220.353	488.332	494.420	492.226
Sb 206.834	512.780	510.810	509.674
Se 196.026	2210.45	2182.04	2196.08
Sn 189.925	1024.81	1011.33	1014.55
Sr 216.596	1168.69	1162.46	1162.93
Ti 334.941	1014.34	1010.20	1008.95
Tl 190.794	1869.25	1852.12	1890.66
V 292.401	500.920	500.470	501.447
Zn 206.200	572.527	570.253	577.952

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.9139	ppb	0.2047	0.4	2101.64
Al 308.215	2039.74	ppb	7.2261	0.4	6475.99
As 188.980	2263.94	ppb	13.2171	0.6	1149.04
B 249.678	1198.75	ppb	1.1039	0.1	12673.4
Ba 389.178	2795.96	ppb	2.2714	0.1	34981.9
Be 313.042	54.6939	ppb	0.0344	0.1	57845.6
Ca 370.602	111978	ppb	28.03	0.0	278357
Cd 226.502	49.3111	ppb	0.1276	0.3	1507.52
Co 228.615	525.835	ppb	0.4035	0.1	4586.17
Cr 267.716	211.551	ppb	0.1468	0.1	6486.36
Cu 324.754	275.830	ppb	0.6513	0.2	14200.6
Fe 271.441	4803.38	ppb	7.6435	0.2	4937.00
K 766.491	8230.86	ppb	14.2033	0.2	254496
Mg 279.078	49114.4	ppb	76.2232	0.2	80881.8
Mn 257.610	2495.01	ppb	7.9117	0.3	123586
Mo 202.032	497.817	ppb	0.9991	0.2	2662.39
Na 330.237	61801.0	ppb	318.857	0.5	2305.74
Ni 231.604	1008.63	ppb	3.5520	0.4	2204.82
Pb 220.353	491.659	ppb	3.0832	0.6	575.618
Sb 206.834	511.088	ppb	1.5714	0.3	567.763
Se 196.026	2196.19	ppb	14.2035	0.6	692.864
Sn 189.925	1016.90	ppb	7.0396	0.7	619.613
Sr 216.596	1164.70	ppb	3.4702	0.3	9329.84
Ti 334.941	1011.16	ppb	2.8191	0.3	85238.6
Tl 190.794	1870.68	ppb	19.3102	1.0	857.064
V 292.401	500.946	ppb	0.4889	0.1	8739.21
Zn 206.200	573.578	ppb	3.9557	0.7	475.008

680-85892-a-1-b ms (Samp) **12/21/2012, 7:30:51 AM** **Rack 3, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	55.3959	55.5826	56.0210
Al 308.215	5308.99	5291.71	5325.29
As 188.980	135.533	121.055	127.670
B 249.678	326.650	326.341	327.370
Ba 389.178	908.908	907.831	907.666
Be 313.042	57.9654	57.8634	57.9014
Ca 370.602	113413	113485	113628
Cd 226.502	51.8165	51.8555	51.6722
Co 228.615	75.4437	75.1197	75.8338
Cr 267.716	110.891	110.956	110.920
Cu 324.754	129.330	130.322	131.600
Fe 271.441	9009.22	8992.92	9003.22
K 766.491	8464.08	8432.84	8449.83
Mg 279.078	49951.0	49997.0	50017.8
Mn 257.610	2561.23	2568.15	2559.38
Mo 202.032	103.467	103.993	103.822
Na 330.237	62412.5	62202.9	62118.6
Ni 231.604	618.466	621.834	619.148
Pb 220.353	54.3008	55.6771	51.5550
Sb 206.834	53.4245	50.9275	52.9897
Se 196.026	85.6423	72.6960	79.7275
Sn 189.925	102.029	103.235	104.055
Sr 216.596	783.374	784.028	785.369
Ti 334.941	109.403	109.733	109.246
Tl 190.794	37.4511	36.5788	41.6012
V 292.401	107.496	107.310	107.325
Zn 206.200	172.884	170.491	168.860

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	55.6665	ppb	0.3209	0.6	2171.81
Al 308.215	5308.66	ppb	16.7922	0.3	16753.5
As 188.980	128.086	ppb	7.2483	5.7	64.8585
B 249.678	326.787	ppb	0.5277	0.2	3481.55
Ba 389.178	908.135	ppb	0.6744	0.1	11375.2
Be 313.042	57.9101	ppb	0.0516	0.1	61225.9
Ca 370.602	113509	ppb	109.6	0.1	281005
Cd 226.502	51.7814	ppb	0.0966	0.2	1591.83
Co 228.615	75.4657	ppb	0.3576	0.5	651.722
Cr 267.716	110.922	ppb	0.0328	0.0	3409.39
Cu 324.754	130.417	ppb	1.1379	0.9	6814.97
Fe 271.441	9001.79	ppb	8.2420	0.1	9195.42
K 766.491	8448.92	ppb	15.6387	0.2	261233
Mg 279.078	49988.6	ppb	34.1567	0.1	82320.9
Mn 257.610	2562.92	ppb	4.6261	0.2	126950
Mo 202.032	103.761	ppb	0.2685	0.3	557.405
Na 330.237	62244.7	ppb	151.342	0.2	2326.68
Ni 231.604	619.816	ppb	1.7803	0.3	1354.45
Pb 220.353	53.8443	ppb	2.0986	3.9	65.1082
Sb 206.834	52.4472	ppb	1.3340	2.5	58.9109
Se 196.026	79.3553	ppb	6.4812	8.2	26.8818
Sn 189.925	103.107	ppb	1.0191	1.0	62.0678
Sr 216.596	784.257	ppb	1.0169	0.1	6296.58
Ti 334.941	109.461	ppb	0.2490	0.2	9212.87
Tl 190.794	38.5437	ppb	2.6836	7.0	16.8993
V 292.401	107.377	ppb	0.1034	0.1	1862.71
Zn 206.200	170.745	ppb	2.0241	1.2	142.534

680-85892-a-1-c msd (Samp) **12/21/2012, 7:37:20 AM** **Rack 3, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	54.2894	54.7733	55.2351
Al 308.215	5246.63	5268.78	5281.65
As 188.980	127.982	120.346	121.136
B 249.678	319.254	320.087	320.477
Ba 389.178	897.147	896.116	896.177
Be 313.042	56.9574	56.9569	57.0308
Ca 370.602	112105	112301	112259
Cd 226.502	51.2509	51.1999	51.3167
Co 228.615	75.4134	75.0362	75.7644
Cr 267.716	108.769	109.192	108.286
Cu 324.754	125.745	125.222	125.624
Fe 271.441	8902.19	8912.18	8914.77
K 766.491	8313.27	8312.62	8324.02
Mg 279.078	49350.9	49329.6	49258.3
Mn 257.610	2517.90	2508.38	2501.83
Mo 202.032	101.685	101.372	102.426
Na 330.237	61676.5	61787.5	61732.3
Ni 231.604	614.634	609.204	609.650
Pb 220.353	49.1632	54.0468	51.4375
Sb 206.834	51.4701	51.3234	53.4365
Se 196.026	64.9063	74.6979	69.5866
Sn 189.925	106.501	102.184	104.852
Sr 216.596	772.102	770.654	771.053
Ti 334.941	107.191	106.853	106.518
Tl 190.794	40.5160	35.1363	38.8708
V 292.401	105.741	105.178	106.037
Zn 206.200	171.298	169.501	170.565

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	54.7659	ppb	0.4729	0.9	2136.55
Al 308.215	5265.69	ppb	17.7108	0.3	16618.0
As 188.980	123.155	ppb	4.1994	3.4	62.3557
B 249.678	319.939	ppb	0.6247	0.2	3409.43
Ba 389.178	896.480	ppb	0.5785	0.1	11229.1
Be 313.042	56.9817	ppb	0.0425	0.1	60243.3
Ca 370.602	112222	ppb	103.2	0.1	277821
Cd 226.502	51.2558	ppb	0.0586	0.1	1575.62
Co 228.615	75.4047	ppb	0.3642	0.5	651.204
Cr 267.716	108.749	ppb	0.4533	0.4	3342.86
Cu 324.754	125.530	ppb	0.2738	0.2	6567.19
Fe 271.441	8909.71	ppb	6.6396	0.1	9101.22
K 766.491	8316.64	ppb	6.4051	0.1	257146
Mg 279.078	49312.9	ppb	48.5110	0.1	81208.3
Mn 257.610	2509.37	ppb	8.0799	0.3	124298
Mo 202.032	101.828	ppb	0.5416	0.5	547.080
Na 330.237	61732.1	ppb	55.5276	0.1	2307.52
Ni 231.604	611.163	ppb	3.0143	0.5	1335.52
Pb 220.353	51.5492	ppb	2.4437	4.7	62.4267
Sb 206.834	52.0767	ppb	1.1799	2.3	58.5079
Se 196.026	69.7303	ppb	4.8974	7.0	23.8533
Sn 189.925	104.512	ppb	2.1783	2.1	62.9249
Sr 216.596	771.269	ppb	0.7477	0.1	6192.31
Ti 334.941	106.854	ppb	0.3366	0.3	8993.10
Tl 190.794	38.1744	ppb	2.7566	7.2	16.7199
V 292.401	105.652	ppb	0.4364	0.4	1832.85
Zn 206.200	170.455	ppb	0.9031	0.5	142.291

680-85892-a-2-a (Samp) **12/21/2012, 7:43:49 AM** **Rack 3, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0494u	-0.0418u	0.3125
Al 308.215	9.5185	9.8148	8.7942
As 188.980	3.1591	1.7527	4.3961
B 249.678	94.4695	94.7766	94.9185
Ba 389.178	599.970	600.726	599.190
Be 313.042	0.0605	0.0585	0.0548
Ca 370.602	77488	77394	77522
Cd 226.502	-0.1909	-0.3302u	-0.2348u
Co 228.615	24.8337	25.1292	24.9340
Cr 267.716	1.1042	1.2247	1.0215
Cu 324.754	7.2049	7.2991	6.5327
Fe 271.441	487.484	488.005	485.402
K 766.491	2350.84	2350.18	2342.59
Mg 279.078	46018.2	46101.0	45993.9
Mn 257.610	327.459	330.337	327.986
Mo 202.032	0.4244	0.7748	0.8218
Na 330.237	58401.4	57812.7	57679.6
Ni 231.604	556.824	550.938	553.219
Pb 220.353	0.9857	0.0507	0.7579
Sb 206.834	2.6259	0.4319	0.5709
Se 196.026	-4.2048u	-3.9907u	4.9543
Sn 189.925	0.7518	0.4444	0.2730
Sr 216.596	619.967	620.448	619.405
Ti 334.941	0.2762	0.2900	0.2143
Tl 190.794	0.4009	-3.3168u	1.9515
V 292.401	0.7217	0.3882u	0.3312u
Zn 206.200	25.0338	26.2838	25.0436

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0738	ppb	0.2068	280.2	-9.8581
Al 308.215	9.3758	ppb	0.5250	5.6	51.5738
As 188.980	3.1026	ppb	1.3226	42.6	1.4330
B 249.678	94.7215	ppb	0.2295	0.2	1040.17
Ba 389.178	599.962	ppb	0.7681	0.1	7520.55
Be 313.042	0.0579	ppb	0.0029	5.0	4.0308
Ca 370.602	77468	ppb	66.15	0.1	193271
Cd 226.502	-0.2520	ppb	0.0712	28.3	0.3097
Co 228.615	24.9656	ppb	0.1503	0.6	211.449
Cr 267.716	1.1168	ppb	0.1022	9.1	47.6695
Cu 324.754	7.0123	ppb	0.4180	6.0	557.487
Fe 271.441	486.964	ppb	1.3774	0.3	484.953
K 766.491	2347.87	ppb	4.5851	0.2	72725.4
Mg 279.078	46037.7	ppb	56.1469	0.1	75832.3
Mn 257.610	328.594	ppb	1.5320	0.5	16328.8
Mo 202.032	0.6737	ppb	0.2171	32.2	6.9574
Na 330.237	57964.6	ppb	384.119	0.7	2168.98
Ni 231.604	553.660	ppb	2.9677	0.5	1209.54
Pb 220.353	0.5981	ppb	0.4876	81.5	2.7817
Sb 206.834	1.2095	ppb	1.2286	101.6	1.9991
Se 196.026	-1.0804	ppb	5.2273	483.8	1.5539
Sn 189.925	0.4897	ppb	0.2426	49.5	-0.5563
Sr 216.596	619.940	ppb	0.5220	0.1	4965.06
Ti 334.941	0.2601	ppb	0.0403	15.5	4.2358
Tl 190.794	-0.3215	ppb	2.7074	842.2	-1.5144
V 292.401	0.4803	ppb	0.2109	43.9	1.1325
Zn 206.200	25.4537	ppb	0.7188	2.8	22.7749

680-85892-a-3-a (Samp) **12/21/2012, 7:50:17 AM** **Rack 3, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1935	-0.1528u	0.2077
Al 308.215	9.4913	5.7518	8.9931
As 188.980	67.8954	74.4478	70.5181
B 249.678	142.841	141.903	142.060
Ba 389.178	1406.91	1406.50	1404.22
Be 313.042	-0.0268u	-0.0219u	-0.0146u
Ca 370.602	41586	41628	41609
Cd 226.502	0.0002	-0.0937	-0.1922u
Co 228.615	2.0441	1.5968	1.7038
Cr 267.716	0.1329	0.3858	0.0921
Cu 324.754	1.2685	1.0385	1.1132
Fe 271.441	23.4009	29.2550	34.0095
K 766.491	2722.71	2710.75	2670.05
Mg 279.078	45936.4	45820.2	45803.9
Mn 257.610	3552.86	3525.93	3518.22
Mo 202.032	6.1691	5.5244	6.0263
Na 330.237	56930.0	57345.3	57289.7
Ni 231.604	5.6684	5.7874	5.0317
Pb 220.353	2.6388	0.7637	1.4810
Sb 206.834	225.336	224.222	229.447
Se 196.026	10.0272	6.0397	-6.4773u
Sn 189.925	0.2029	-0.3705u	0.1178
Sr 216.596	496.868	494.314	493.521
Ti 334.941	0.0698	0.1662	0.2541
Tl 190.794	-0.4122	1.8661	-0.6200
V 292.401	1.6421	1.5594	1.4236
Zn 206.200	8.2876	5.5732	5.5821

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0828	ppb	0.2042	246.6	-8.5878
Al 308.215	8.0787	ppb	2.0305	25.1	47.6056
As 188.980	70.9538	ppb	3.2979	4.6	35.8767
B 249.678	142.268	ppb	0.5025	0.4	1541.51
Ba 389.178	1405.88	ppb	1.4515	0.1	17601.3
Be 313.042	-0.0211	ppb	0.0061	29.1	-87.9001
Ca 370.602	41608	ppb	21.30	0.1	103957
Cd 226.502	-0.0952	ppb	0.0962	101.0	1.5296
Co 228.615	1.7815	ppb	0.2336	13.1	9.1082
Cr 267.716	0.2036	ppb	0.1591	78.2	19.6085
Cu 324.754	1.1401	ppb	0.1173	10.3	259.936
Fe 271.441	28.8885	ppb	5.3138	18.4	14.5336
K 766.491	2701.17	ppb	27.6055	1.0	83641.5
Mg 279.078	45853.5	ppb	72.2414	0.2	75501.6
Mn 257.610	3532.34	ppb	18.1847	0.5	174934
Mo 202.032	5.9066	ppb	0.3386	5.7	34.9297
Na 330.237	57188.3	ppb	225.423	0.4	2140.06
Ni 231.604	5.4958	ppb	0.4064	7.4	11.7975
Pb 220.353	1.6278	ppb	0.9461	58.1	4.3971
Sb 206.834	226.335	ppb	2.7519	1.2	253.364
Se 196.026	3.1965	ppb	8.6117	269.4	2.8983
Sn 189.925	-0.0166	ppb	0.3094	1863.3	-0.8775
Sr 216.596	494.901	ppb	1.7489	0.4	3977.27
Ti 334.941	0.1634	ppb	0.0922	56.4	-3.9615
Tl 190.794	0.2780	ppb	1.3793	496.2	0.2792
V 292.401	1.5417	ppb	0.1103	7.2	18.9559
Zn 206.200	6.4809	ppb	1.5646	24.1	7.0990

680-85892-a-4-a (Samp) **12/21/2012, 7:56:46 AM** **Rack 3, Tube 45**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2097u	-0.0272u	-0.0406u
Al 308.215	4.4401	4.4761	4.3635
As 188.980	96.2124	91.6776	88.8068
B 249.678	130.359	131.058	131.430
Ba 389.178	485.589	484.060	484.034
Be 313.042	-0.0295u	-0.0194u	-0.0322u
Ca 370.602	57209	57022	57239
Cd 226.502	-0.0327	-0.1362	-0.1756u
Co 228.615	-0.7471u	-0.3263u	-0.5038u
Cr 267.716	0.2309	0.2129	0.1176
Cu 324.754	1.8568	1.9171	2.0733
Fe 271.441	40.9228	39.2922	42.5790
K 766.491	2703.07	2659.26	2689.12
Mg 279.078	39736.6	39778.2	39783.8
Mn 257.610	47.0295	47.2199	46.9605
Mo 202.032	8.3393	8.3687	8.3871
Na 330.237	56020.8	56282.2	56217.3
Ni 231.604	3.6981	4.4412	1.9974
Pb 220.353	3.6540	1.1545	4.0254
Sb 206.834	190.520	191.417	193.802
Se 196.026	-4.7364u	-9.0794u	-2.9804u
Sn 189.925	-2.6373u	-0.6488u	-0.5167u
Sr 216.596	466.834	468.134	468.059
Ti 334.941	0.1837	0.1881	0.1629
Tl 190.794	-2.2614u	-4.3717u	-1.4805u
V 292.401	3.3928	2.8019	3.6046
Zn 206.200	18.6717	18.9649	17.4920

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0925	ppb	0.1017	110.0	-15.2767
Al 308.215	4.4265	ppb	0.0575	1.3	36.2125
As 188.980	92.2323	ppb	3.7338	4.0	46.6782
B 249.678	130.949	ppb	0.5437	0.4	1422.20
Ba 389.178	484.561	ppb	0.8899	0.2	6074.71
Be 313.042	-0.0271	ppb	0.0067	24.8	-89.9853
Ca 370.602	57157	ppb	117.6	0.2	142682
Cd 226.502	-0.1148	ppb	0.0738	64.3	1.9871
Co 228.615	-0.5257	ppb	0.2112	40.2	-11.0726
Cr 267.716	0.1871	ppb	0.0609	32.5	19.0884
Cu 324.754	1.9491	ppb	0.1117	5.7	300.977
Fe 271.441	40.9313	ppb	1.6434	4.0	27.0005
K 766.491	2683.82	ppb	22.3818	0.8	83105.4
Mg 279.078	39766.2	ppb	25.7945	0.1	65505.0
Mn 257.610	47.0700	ppb	0.1344	0.3	2385.43
Mo 202.032	8.3650	ppb	0.0241	0.3	48.0613
Na 330.237	56173.4	ppb	136.110	0.2	2102.18
Ni 231.604	3.3789	ppb	1.2528	37.1	7.0139
Pb 220.353	2.9447	ppb	1.5614	53.0	5.4736
Sb 206.834	191.913	ppb	1.6960	0.9	214.895
Se 196.026	-5.5987	ppb	3.1396	56.1	0.1313
Sn 189.925	-1.2676	ppb	1.1880	93.7	-1.6358
Sr 216.596	467.675	ppb	0.7300	0.2	3759.45
Ti 334.941	0.1782	ppb	0.0135	7.6	-2.7814
Tl 190.794	-2.7045	ppb	1.4957	55.3	-2.7372
V 292.401	3.2664	ppb	0.4160	12.7	51.5164
Zn 206.200	18.3762	ppb	0.7796	4.2	16.8309

680-85892-d-5-a (Samp) **12/21/2012, 8:03:15 AM** **Rack 3, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1973u	-0.2626u	0.4914
Al 308.215	4.7138	4.0246	7.9914
As 188.980	94.5368	90.7625	90.1978
B 249.678	130.094	130.351	130.984
Ba 389.178	601.713	599.970	600.827
Be 313.042	-0.0248u	-0.0404u	-0.0271u
Ca 370.602	59939	59982	60030
Cd 226.502	-0.2547u	-0.0793	-0.2585u
Co 228.615	-0.0296u	-0.0841u	-0.0214u
Cr 267.716	0.1168	0.2945	0.0063
Cu 324.754	3.4103	3.4836	3.7060
Fe 271.441	32.1454	34.0357	30.4676
K 766.491	2708.97	2669.06	2715.05
Mg 279.078	36578.7	36549.0	36557.3
Mn 257.610	0.7217	0.8391	0.7313
Mo 202.032	11.2860	11.2051	10.7875
Na 330.237	55535.9	55820.6	55623.7
Ni 231.604	3.1677	3.6717	2.9068
Pb 220.353	0.8186	-0.3917u	0.2737
Sb 206.834	164.625	165.878	164.270
Se 196.026	5.3911	1.5623	4.9498
Sn 189.925	-1.9900u	0.7329	-1.4156u
Sr 216.596	485.474	484.534	485.322
Ti 334.941	0.2116	0.0734	0.0904
Tl 190.794	3.3953	6.2205	-2.4633u
V 292.401	1.2108	1.2271	1.5443
Zn 206.200	7.1169	9.5287	7.1631

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0105	ppb	0.4178	3985.6	-11.3043
Al 308.215	5.5766	ppb	2.1195	38.0	39.7949
As 188.980	91.8324	ppb	2.3590	2.6	46.4746
B 249.678	130.476	ppb	0.4579	0.4	1417.23
Ba 389.178	600.836	ppb	0.8716	0.1	7525.91
Be 313.042	-0.0308	ppb	0.0084	27.4	-93.4385
Ca 370.602	59983	ppb	45.54	0.1	149739
Cd 226.502	-0.1975	ppb	0.1024	51.8	-0.3685
Co 228.615	-0.0451	ppb	0.0341	75.7	-6.9405
Cr 267.716	0.1392	ppb	0.1454	104.4	17.6241
Cu 324.754	3.5333	ppb	0.1540	4.4	381.338
Fe 271.441	32.2162	ppb	1.7851	5.5	18.1299
K 766.491	2697.69	ppb	24.9829	0.9	83534.1
Mg 279.078	36561.6	ppb	15.3046	0.0	60227.3
Mn 257.610	0.7640	ppb	0.0652	8.5	90.0088
Mo 202.032	11.0929	ppb	0.2676	2.4	62.6355
Na 330.237	55660.0	ppb	145.792	0.3	2083.10
Ni 231.604	3.2487	ppb	0.3888	12.0	6.6504
Pb 220.353	0.2335	ppb	0.6062	259.6	2.2970
Sb 206.834	164.924	ppb	0.8446	0.5	184.727
Se 196.026	3.9677	ppb	2.0948	52.8	3.1410
Sn 189.925	-0.8909	ppb	1.4353	161.1	-1.4052
Sr 216.596	485.110	ppb	0.5044	0.1	3899.65
Ti 334.941	0.1251	ppb	0.0754	60.2	-7.3076
Tl 190.794	2.3842	ppb	4.4293	185.8	-0.4305
V 292.401	1.3274	ppb	0.1880	14.2	16.9770
Zn 206.200	7.9362	ppb	1.3793	17.4	8.1554

680-85883-e-1-a (Samp) **12/21/2012, 8:09:43 AM** **Rack 3, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1104	-0.1416u	-0.4043u
Al 308.215	22.3429	23.4686	24.2776
As 188.980	4.1250	-0.5361u	-1.0830u
B 249.678	34.0015	34.4375	34.1291
Ba 389.178	114.274	114.943	114.813
Be 313.042	0.0236	0.0254	0.0270
Ca 370.602	33760	33834	33995
Cd 226.502	-0.1360u	-0.1276u	-0.1119u
Co 228.615	0.0563	0.2817	0.4942
Cr 267.716	0.5629	0.6760	0.6293
Cu 324.754	748.752	754.135	751.766
Fe 271.441	81.7225	76.7730	80.4909
K 766.491	10777.7	10759.8	10758.8
Mg 279.078	8536.91	8587.86	8566.11
Mn 257.610	27.7059	28.0559	27.6768
Mo 202.032	-0.1601u	0.3295	0.4647
Na 330.237	68246.5	68032.3	68397.2
Ni 231.604	0.4055	0.6284	0.8145
Pb 220.353	1.7436	1.4339	1.6969
Sb 206.834	-2.4151u	4.4343	-0.6165u
Se 196.026	-1.0912u	0.6225	5.6220
Sn 189.925	-2.3326u	-0.3216u	0.8795
Sr 216.596	524.026	526.448	525.197
Ti 334.941	0.6252	0.4877	0.5857
Tl 190.794	3.7989	3.6230	-0.3440u
V 292.401	-0.6369u	-0.7494u	-0.3474u
Zn 206.200	41.9686	40.9043	40.7779

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1452	ppb	0.2574	177.3	-17.4549
Al 308.215	23.3630	ppb	0.9717	4.2	95.6050
As 188.980	0.8353	ppb	2.8621	342.6	0.2821
B 249.678	34.1894	ppb	0.2241	0.7	402.447
Ba 389.178	114.677	ppb	0.3551	0.3	1427.58
Be 313.042	0.0253	ppb	0.0017	6.8	-39.7283
Ca 370.602	33863	ppb	120.4	0.4	84525
Cd 226.502	-0.1252	ppb	0.0122	9.8	-0.2086
Co 228.615	0.2774	ppb	0.2190	78.9	-3.8733
Cr 267.716	0.6227	ppb	0.0568	9.1	32.5740
Cu 324.754	751.551	ppb	2.6978	0.4	38295.9
Fe 271.441	79.6621	ppb	2.5767	3.2	66.2026
K 766.491	10765.4	ppb	10.6671	0.1	332807
Mg 279.078	8563.63	ppb	25.5660	0.3	14112.7
Mn 257.610	27.8129	ppb	0.2110	0.8	1402.49
Mo 202.032	0.2113	ppb	0.3287	155.5	4.5038
Na 330.237	68225.3	ppb	183.341	0.3	2554.98
Ni 231.604	0.6161	ppb	0.2048	33.2	0.1851
Pb 220.353	1.6248	ppb	0.1670	10.3	3.9394
Sb 206.834	0.4676	ppb	3.5510	759.4	1.1649
Se 196.026	1.7178	ppb	3.4881	203.1	2.4333
Sn 189.925	-0.5915	ppb	1.6229	274.4	-1.2281
Sr 216.596	525.224	ppb	1.2110	0.2	4220.42
Ti 334.941	0.5662	ppb	0.0708	12.5	29.2652
Tl 190.794	2.3593	ppb	2.3428	99.3	-0.4257
V 292.401	-0.5779	ppb	0.2074	35.9	-13.1305
Zn 206.200	41.2169	ppb	0.6540	1.6	35.2090

680-85767-a-2-a (Samp) **12/21/2012, 8:16:12 AM** **Rack 3, Tube 48**

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

Label	Replicates Concentration		
Ag 328.068	-0.2116u	-0.1565u	-0.4835u
Al 308.215	692.686	694.543	692.629
As 188.980	-1.5796u	-2.5703u	-1.9276u
B 249.678	18.4277	17.9236	17.7736
Ba 389.178	7.6702	7.1003	8.0771
Be 313.042	-0.0079u	-0.0127u	-0.0106u
Ca 370.602	15502	15497	15504
Cd 226.502	-0.1505u	-0.0120	-0.0923u
Co 228.615	0.1830	0.4060	0.0723
Cr 267.716	0.5802	0.6107	0.5786
Cu 324.754	4.1268	4.0664	3.9098
Fe 271.441	222.697	221.241	226.504
K 766.491	2079.77	2077.99	2078.11
Mg 279.078	4817.08	4814.58	4805.65
Mn 257.610	10.0840	9.9403	10.0105
Mo 202.032	0.8920	1.0546	1.1413
Na 330.237	2260.91	2165.37	2197.30
Ni 231.604	0.4431	1.4884	0.6508
Pb 220.353	1.4639	2.4215	0.2897
Sb 206.834	1.9199	-0.3582u	0.9729
Se 196.026	4.1025	-5.7597u	10.2273
Sn 189.925	-2.3504u	-2.5341u	-4.4562u
Sr 216.596	24.6885	25.6378	25.3820
Ti 334.941	4.6873	4.6561	4.4260
Tl 190.794	-0.9634u	-1.0325u	-5.3350u
V 292.401	34.5691	34.6633	34.5702
Zn 206.200	15.4769	16.4425	15.7202

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2839	ppb	0.1751	61.7	-19.6095
Al 308.215	693.286	ppb	1.0892	0.2	2207.73
As 188.980	-2.0258	ppb	0.5026	24.8	-1.1706
B 249.678	18.0417	ppb	0.3426	1.9	232.176
Ba 389.178	7.6159	ppb	0.4907	6.4	87.9263
Be 313.042	-0.0104	ppb	0.0024	23.4	-75.2318
Ca 370.602	15501	ppb	3.110	0.0	38651
Cd 226.502	-0.0849	ppb	0.0695	81.9	0.3815
Co 228.615	0.2204	ppb	0.1700	77.1	-4.3164
Cr 267.716	0.5898	ppb	0.0181	3.1	30.7324
Cu 324.754	4.0343	ppb	0.1120	2.8	406.365
Fe 271.441	223.481	ppb	2.7176	1.2	213.273
K 766.491	2078.62	ppb	0.9952	0.0	64406.3
Mg 279.078	4812.44	ppb	6.0078	0.1	7934.33
Mn 257.610	10.0116	ppb	0.0718	0.7	517.759
Mo 202.032	1.0293	ppb	0.1265	12.3	8.8612
Na 330.237	2207.86	ppb	48.6330	2.2	80.4136
Ni 231.604	0.8607	ppb	0.5534	64.3	0.6260
Pb 220.353	1.3917	ppb	1.0677	76.7	3.6415
Sb 206.834	0.8449	ppb	1.1445	135.5	1.5890
Se 196.026	2.8567	ppb	8.0660	282.4	2.7920
Sn 189.925	-3.1136	ppb	1.1664	37.5	-2.7894
Sr 216.596	25.2361	ppb	0.4912	1.9	202.558
Ti 334.941	4.5898	ppb	0.1427	3.1	369.932
Tl 190.794	-2.4436	ppb	2.5043	102.5	-2.6183
V 292.401	34.6009	ppb	0.0541	0.2	606.581
Zn 206.200	15.8799	ppb	0.5022	3.2	14.2159

680-85767-a-3-a (Samp) **12/21/2012, 8:35:37 AM** **Rack 3, Tube 51**

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

Label	Replicates Concentration		
Ag 328.068	-0.3142u	0.0889	0.1354
Al 308.215	55.2047	55.6036	54.3714
As 188.980	1.8237	-3.4543u	6.2498
B 249.678	8.6235	8.7955	8.7035
Ba 389.178	3.7605	3.9494	4.2665
Be 313.042	-0.0121u	-0.0084u	-0.0104u
Ca 370.602	1749	1743	1747
Cd 226.502	0.0910	0.1916	0.0737
Co 228.615	0.4340	0.0597	-0.2564u
Cr 267.716	0.2527	0.1047	0.3931
Cu 324.754	1.5146	1.6349	1.6597
Fe 271.441	15.7124	23.5212	15.8523
K 766.491	676.400	672.595	672.326
Mg 279.078	648.267	654.992	654.752
Mn 257.610	5.6875	5.6212	5.6602
Mo 202.032	0.9515	0.7641	0.8264
Na 330.237	517.919	457.580	371.153
Ni 231.604	0.7227	1.8718	1.0266
Pb 220.353	1.4813	2.0563	1.6744
Sb 206.834	3.6039	0.7886	-0.6316u
Se 196.026	-4.3235u	2.2343	0.2963
Sn 189.925	-1.5441u	-3.4348u	-0.9324u
Sr 216.596	5.5288	5.6379	5.8069
Ti 334.941	0.3220	0.4282	0.3465
Tl 190.794	4.1372	2.9563	1.4611
V 292.401	6.7957	6.7105	6.7187
Zn 206.200	345.352	346.326	346.624

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0300	ppb	0.2473	825.1	-9.4623
Al 308.215	55.0599	ppb	0.6287	1.1	195.785
As 188.980	1.5397	ppb	4.8583	315.5	0.6396
B 249.678	8.7075	ppb	0.0861	1.0	133.906
Ba 389.178	3.9921	ppb	0.2557	6.4	40.6217
Be 313.042	-0.0103	ppb	0.0018	17.8	-79.2966
Ca 370.602	1747	ppb	2.872	0.2	4372
Cd 226.502	0.1188	ppb	0.0637	53.6	5.0130
Co 228.615	0.0791	ppb	0.3456	436.8	-5.6254
Cr 267.716	0.2502	ppb	0.1442	57.6	20.3927
Cu 324.754	1.6030	ppb	0.0776	4.8	283.270
Fe 271.441	18.3620	ppb	4.4686	24.3	3.0646
K 766.491	673.773	ppb	2.2785	0.3	20999.8
Mg 279.078	652.670	ppb	3.8152	0.6	1083.01
Mn 257.610	5.6563	ppb	0.0334	0.6	298.072
Mo 202.032	0.8473	ppb	0.0955	11.3	7.8999
Na 330.237	448.884	ppb	73.7687	16.4	13.1854
Ni 231.604	1.2070	ppb	0.5954	49.3	1.2680
Pb 220.353	1.7373	ppb	0.2926	16.8	4.0643
Sb 206.834	1.2536	ppb	2.1557	172.0	2.0349
Se 196.026	-0.5976	ppb	3.3690	563.7	1.7047
Sn 189.925	-1.9704	ppb	1.3045	66.2	-2.0969
Sr 216.596	5.6578	ppb	0.1401	2.5	44.1812
Ti 334.941	0.3655	ppb	0.0556	15.2	13.7274
Tl 190.794	2.8515	ppb	1.3411	47.0	-0.2023
V 292.401	6.7416	ppb	0.0470	0.7	118.803
Zn 206.200	346.101	ppb	0.6651	0.2	286.993

680-85767-a-4-a (Samp) **12/21/2012, 8:42:05 AM** **Rack 3, Tube 52**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2076	-0.4852u	-0.2710u
Al 308.215	193.695	197.830	194.771
As 188.980	-3.8440u	0.5252	-3.2994u
B 249.678	25.9370	26.0740	25.8514
Ba 389.178	27.3511	26.8396	27.2085
Be 313.042	0.0084	0.0150	0.0109
Ca 370.602	20772	20852	20736
Cd 226.502	0.5254	0.6229	0.5638
Co 228.615	3.5289	3.7693	4.2476
Cr 267.716	0.3272	0.0881	0.3676
Cu 324.754	6.1632	6.0545	6.7050
Fe 271.441	84.5148	84.2630	85.9368
K 766.491	3848.82	3864.65	3841.57
Mg 279.078	4473.98	4482.86	4483.11
Mn 257.610	349.715	349.334	350.041
Mo 202.032	1.0589	0.6042	0.9648
Na 330.237	3251.29	3368.52	3517.67
Ni 231.604	20.9083	22.1355	21.9106
Pb 220.353	1.2018	0.4598	-0.1842u
Sb 206.834	6.4254	5.0504	0.0390
Se 196.026	-0.1624u	1.3152	-0.3990u
Sn 189.925	0.3909	-0.0682u	0.7692
Sr 216.596	57.0098	57.3957	57.2175
Ti 334.941	2.7757	2.7697	2.7567
Tl 190.794	-1.3968u	2.1348	2.1458
V 292.401	16.6056	17.3466	17.2475
Zn 206.200	340.673	342.406	341.392

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1829	ppb	0.3547	194.0	-15.8484
Al 308.215	195.432	ppb	2.1449	1.1	638.459
As 188.980	-2.2061	ppb	2.3809	107.9	-1.2620
B 249.678	25.9541	ppb	0.1123	0.4	315.641
Ba 389.178	27.1331	ppb	0.2640	1.0	331.104
Be 313.042	0.0114	ppb	0.0034	29.5	-52.0787
Ca 370.602	20787	ppb	59.54	0.3	51891
Cd 226.502	0.5707	ppb	0.0491	8.6	20.1452
Co 228.615	3.8486	ppb	0.3659	9.5	27.2994
Cr 267.716	0.2610	ppb	0.1510	57.9	20.7215
Cu 324.754	6.3076	ppb	0.3485	5.5	521.685
Fe 271.441	84.9049	ppb	0.9025	1.1	71.7557
K 766.491	3851.68	ppb	11.8010	0.3	119190
Mg 279.078	4479.98	ppb	5.2010	0.1	7383.90
Mn 257.610	349.697	ppb	0.3538	0.1	17334.0
Mo 202.032	0.8760	ppb	0.2400	27.4	8.0472
Na 330.237	3379.16	ppb	133.510	4.0	122.895
Ni 231.604	21.6514	ppb	0.6534	3.0	46.0389
Pb 220.353	0.4924	ppb	0.6936	140.8	2.6495
Sb 206.834	3.8383	ppb	3.3613	87.6	4.9254
Se 196.026	0.2513	ppb	0.9289	369.7	1.9719
Sn 189.925	0.3640	ppb	0.4194	115.2	-0.6655
Sr 216.596	57.2077	ppb	0.1931	0.3	458.796
Ti 334.941	2.7674	ppb	0.0097	0.4	216.230
Tl 190.794	0.9613	ppb	2.0421	212.4	-0.8985
V 292.401	17.0666	ppb	0.4023	2.4	297.808
Zn 206.200	341.491	ppb	0.8708	0.3	283.244

mb 680-260450/1-a (Samp) **12/21/2012, 8:48:34 AM** **Rack 3, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2785	-0.1557u	0.1602
Al 308.215	1.7775	2.7303	1.7158
As 188.980	-2.2999u	1.5909	-1.0005u
B 249.678	0.4200	0.4714	0.2911
Ba 389.178	0.5350	0.5679	0.3562
Be 313.042	0.0003	0.0014	-0.0027u
Ca 370.602	2.674	-0.3827u	1.688
Cd 226.502	0.0607	0.1275	0.0069
Co 228.615	0.0581	-0.3356u	0.5416
Cr 267.716	-0.1780u	0.1426	-0.0120u
Cu 324.754	1.5027	1.5656	1.5992
Fe 271.441	7.8169	-3.5662u	2.3674
K 766.491	2.8336	2.0232	2.6967
Mg 279.078	4.0091	1.4501	3.3095
Mn 257.610	0.2597	0.0776	0.1122
Mo 202.032	-0.0925u	0.1145	0.5937
Na 330.237	29.7058	49.5296	43.7742
Ni 231.604	-0.1229u	-0.4496u	0.9069
Pb 220.353	0.0129	-1.0917u	-1.2974u
Sb 206.834	2.5107	-0.4938u	-2.4001u
Se 196.026	7.9453	0.3366	2.2221
Sn 189.925	0.5331	-0.3033u	-0.9551u
Sr 216.596	0.2047	0.1969	-0.1147u
Ti 334.941	-0.0441u	-0.0840u	-0.0660u
Tl 190.794	0.9724	1.0891	4.6934
V 292.401	0.0277	-0.2963u	0.0601
Zn 206.200	0.2119	-0.7218u	1.4847

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0943	ppb	0.2245	237.9	-4.5373
Al 308.215	2.0746	ppb	0.5688	27.4	28.5601
As 188.980	-0.5698	ppb	1.9808	347.6	-0.4312
B 249.678	0.3942	ppb	0.0929	23.6	46.2993
Ba 389.178	0.4864	ppb	0.1139	23.4	-3.5712
Be 313.042	-0.0003	ppb	0.0021	620.5	-69.4156
Ca 370.602	1.326	ppb	1.560	117.6	19.50
Cd 226.502	0.0650	ppb	0.0604	92.9	3.2217
Co 228.615	0.0880	ppb	0.4394	499.1	-5.5396
Cr 267.716	-0.0158	ppb	0.1603	1015.2	12.2798
Cu 324.754	1.5558	ppb	0.0490	3.1	280.907
Fe 271.441	2.2060	ppb	5.6933	258.1	-13.5565
K 766.491	2.5178	ppb	0.4338	17.2	259.649
Mg 279.078	2.9229	ppb	1.3226	45.2	12.8835
Mn 257.610	0.1498	ppb	0.0967	64.5	24.8389
Mo 202.032	0.2052	ppb	0.3519	171.5	4.4732
Na 330.237	41.0032	ppb	10.1983	24.9	-0.5145
Ni 231.604	0.1115	ppb	0.7080	635.1	-1.1453
Pb 220.353	-0.7921	ppb	0.7047	89.0	1.1118
Sb 206.834	-0.1277	ppb	2.4758	1938.4	0.4971
Se 196.026	3.5013	ppb	3.9624	113.2	2.9942
Sn 189.925	-0.2418	ppb	0.7460	308.5	-1.0428
Sr 216.596	0.0956	ppb	0.1822	190.5	-0.5887
Ti 334.941	-0.0647	ppb	0.0200	30.9	-22.5505
Tl 190.794	2.2516	ppb	2.1154	94.0	-0.4829
V 292.401	-0.0695	ppb	0.1971	283.6	-0.5220
Zn 206.200	0.3249	ppb	1.1076	340.9	-1.2892

lcs 680-260450/2-a (Samp) **12/21/2012, 8:55:03 AM** **Rack 3, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.3478	53.6418	53.8007
Al 308.215	5037.70	5051.22	4972.81
As 188.980	115.773	114.083	113.378
B 249.678	225.092	224.601	225.109
Ba 389.178	100.541	100.454	100.273
Be 313.042	56.4348	56.4466	56.2620
Ca 370.602	5203	5202	5173
Cd 226.502	52.3486	52.6333	52.3441
Co 228.615	52.0947	51.9436	52.2486
Cr 267.716	108.311	108.576	108.218
Cu 324.754	104.959	105.157	104.072
Fe 271.441	5223.18	5223.77	5188.40
K 766.491	5565.58	5577.14	5537.50
Mg 279.078	5484.03	5473.24	5471.00
Mn 257.610	568.444	567.698	571.282
Mo 202.032	101.012	100.231	99.8022
Na 330.237	4770.32	5057.25	4957.12
Ni 231.604	104.585	105.925	105.700
Pb 220.353	49.2873	49.6855	51.1272
Sb 206.834	48.2316	49.4405	53.0951
Se 196.026	111.285	116.458	110.750
Sn 189.925	103.560	100.859	104.773
Sr 216.596	104.953	105.244	104.663
Ti 334.941	105.379	104.746	105.690
Tl 190.794	34.7439	40.5209	38.3127
V 292.401	103.063	103.608	102.869
Zn 206.200	111.087	109.802	111.756

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.5967	ppb	0.2298	0.4	2095.93
Al 308.215	5020.57	ppb	41.9173	0.8	15845.6
As 188.980	114.411	ppb	1.2307	1.1	57.9174
B 249.678	224.934	ppb	0.2889	0.1	2410.06
Ba 389.178	100.423	ppb	0.1370	0.1	1251.04
Be 313.042	56.3811	ppb	0.1034	0.2	59590.1
Ca 370.602	5193	ppb	17.44	0.3	11595
Cd 226.502	52.4420	ppb	0.1657	0.3	1595.65
Co 228.615	52.0956	ppb	0.1525	0.3	447.792
Cr 267.716	108.368	ppb	0.1854	0.2	3329.82
Cu 324.754	104.729	ppb	0.5781	0.6	5512.83
Fe 271.441	5211.78	ppb	20.2505	0.4	5317.32
K 766.491	5560.07	ppb	20.3873	0.4	171975
Mg 279.078	5476.09	ppb	6.9651	0.1	9022.64
Mn 257.610	569.141	ppb	1.8907	0.3	28201.1
Mo 202.032	100.348	ppb	0.6131	0.6	539.312
Na 330.237	4928.23	ppb	145.630	3.0	180.660
Ni 231.604	105.404	ppb	0.7177	0.7	229.219
Pb 220.353	50.0333	ppb	0.9680	1.9	60.3378
Sb 206.834	50.2557	ppb	2.5322	5.0	56.4324
Se 196.026	112.831	ppb	3.1524	2.8	37.4043
Sn 189.925	103.064	ppb	2.0040	1.9	61.9916
Sr 216.596	104.953	ppb	0.2903	0.3	845.256
Ti 334.941	105.272	ppb	0.4811	0.5	8860.17
Tl 190.794	37.8591	ppb	2.9151	7.7	15.8680
V 292.401	103.180	ppb	0.3830	0.4	1801.51
Zn 206.200	110.882	ppb	0.9931	0.9	92.3691

lcsd 680-260450/3-a (Samp) **12/21/2012, 9:01:31 AM** **Rack 3, Tube 55**

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

Label	Replicates Concentration		
Ag 328.068	53.9440	53.8255	53.2923
Al 308.215	4938.45	4990.34	4997.80
As 188.980	115.132	113.817	114.655
B 249.678	227.116	225.736	227.840
Ba 389.178	100.818	101.213	100.417
Be 313.042	56.4633	56.4276	56.3615
Ca 370.602	5159	5174	5177
Cd 226.502	52.8427	52.5714	52.4827
Co 228.615	50.0612	51.3645	50.9142
Cr 267.716	108.942	108.668	108.416
Cu 324.754	104.186	104.283	104.155
Fe 271.441	5176.56	5189.22	5201.66
K 766.491	5500.37	5528.28	5534.58
Mg 279.078	5488.15	5490.78	5482.72
Mn 257.610	577.766	573.703	570.084
Mo 202.032	99.7403	99.8073	99.6034
Na 330.237	5151.37	4908.14	4991.74
Ni 231.604	105.235	105.131	104.743
Pb 220.353	54.0868	49.5520	50.4603
Sb 206.834	47.8617	49.9503	50.9188
Se 196.026	105.747	112.904	117.330
Sn 189.925	104.219	106.707	105.385
Sr 216.596	106.357	105.375	104.649
Ti 334.941	107.038	106.369	105.726
Tl 190.794	33.7068	41.7478	36.0335
V 292.401	102.147	102.660	102.969
Zn 206.200	110.399	109.261	110.295

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.6873	ppb	0.3471	0.6	2099.48
Al 308.215	4975.53	ppb	32.3275	0.6	15703.7
As 188.980	114.534	ppb	0.6657	0.6	57.9797
B 249.678	226.897	ppb	1.0686	0.5	2430.76
Ba 389.178	100.816	ppb	0.3981	0.4	1255.96
Be 313.042	56.4175	ppb	0.0517	0.1	59628.5
Ca 370.602	5170	ppb	9.845	0.2	11544
Cd 226.502	52.6323	ppb	0.1875	0.4	1601.35
Co 228.615	50.7799	ppb	0.6619	1.3	436.306
Cr 267.716	108.675	ppb	0.2630	0.2	3339.20
Cu 324.754	104.208	ppb	0.0672	0.1	5486.42
Fe 271.441	5189.15	ppb	12.5514	0.2	5294.10
K 766.491	5521.08	ppb	18.2053	0.3	170770
Mg 279.078	5487.22	ppb	4.1145	0.1	9040.97
Mn 257.610	573.851	ppb	3.8432	0.7	28434.3
Mo 202.032	99.7170	ppb	0.1039	0.1	535.940
Na 330.237	5017.08	ppb	123.578	2.5	183.998
Ni 231.604	105.036	ppb	0.2592	0.2	228.417
Pb 220.353	51.3663	ppb	2.3993	4.7	61.8943
Sb 206.834	49.5769	ppb	1.5624	3.2	55.6704
Se 196.026	111.994	ppb	5.8447	5.2	37.1408
Sn 189.925	105.437	ppb	1.2445	1.2	63.4396
Sr 216.596	105.461	ppb	0.8571	0.8	849.312
Ti 334.941	106.378	ppb	0.6556	0.6	8953.42
Tl 190.794	37.1627	ppb	4.1377	11.1	15.5482
V 292.401	102.592	ppb	0.4152	0.4	1791.13
Zn 206.200	109.985	ppb	0.6290	0.6	91.6273

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680-85956-a-1-a (Samp) **12/21/2012, 9:08:01 AM** **Rack 3, Tube 56**

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

Label	Replicates Concentration		
Ag 328.068	0.5442	0.3619u	0.3748u
Al 308.215	2485.82	2487.32	2451.62
As 188.980	0.2498	5.2673	-2.8134u
B 249.678	33.2148	32.5886	32.8931
Ba 389.178	15.0855	15.4400	16.0208
Be 313.042	-0.0122	0.0013	-0.0039
Ca 370.602	131192	131294	130615
Cd 226.502	-0.4927u	-0.2275	-0.5133u
Co 228.615	1.8432	0.8864	1.1625
Cr 267.716	36.9581	36.8542	36.9457
Cu 324.754	81.7268	81.6031	81.4038
Fe 271.441	284.397	296.264	297.391
K 766.491	29800.6	29851.8	29811.3
Mg 279.078	354.619	354.619	353.966
Mn 257.610	13.1606	13.0953	13.2976
Mo 202.032	8.8818	9.1246	8.8623
Na 330.237	167487x	167903x	167342x
Ni 231.604	6.3414	5.4704	6.5745
Pb 220.353	4.7757	3.1507	4.3145
Sb 206.834	-2.4165u	3.3808	2.9919
Se 196.026	-2.3016u	3.5124	-3.7691u
Sn 189.925	0.6360	3.2743	1.1734
Sr 216.596	2289.14	2289.14	2298.18
Ti 334.941	8.5005	8.2668	8.6027
Tl 190.794	1.8418	4.8364	-2.2888u
V 292.401	3.2826	3.6017	3.4127
Zn 206.200	3.4163	2.1494	2.4102

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4270b	ppb	0.1017	23.8	-6.4569
Al 308.215	2474.92b	ppb	20.1934	0.8	7819.81
As 188.980	0.9013b	ppb	4.0795	452.7	0.3136
B 249.678	32.8989b	ppb	0.3131	1.0	388.776
Ba 389.178	15.5154b	ppb	0.4722	3.0	171.641
Be 313.042	-0.0049b	ppb	0.0068	139.0	-57.5836
Ca 370.602	131034b	ppb	365.9	0.3	327033
Cd 226.502	-0.4112b	ppb	0.1594	38.8	-1.9249
Co 228.615	1.2974b	ppb	0.4925	38.0	4.9801
Cr 267.716	36.9193b	ppb	0.0567	0.2	1144.52
Cu 324.754	81.5779b	ppb	0.1630	0.2	4337.23
Fe 271.441	292.684b	ppb	7.1989	2.5	285.731
K 766.491	29821.2b	ppb	26.9931	0.1	921586
Mg 279.078	354.402b	ppb	0.3769	0.1	591.443
Mn 257.610	13.1845b	ppb	0.1032	0.8	670.814
Mo 202.032	8.9562b	ppb	0.1462	1.6	51.2643
Na 330.237	167577xb	ppb	291.483	0.2	6279.76
Ni 231.604	6.1288b	ppb	0.5820	9.5	12.0199
Pb 220.353	4.0803b	ppb	0.8374	20.5	6.7239
Sb 206.834	1.3187b	ppb	3.2406	245.7	2.2284
Se 196.026	-0.8528b	ppb	3.8509	451.6	1.6251
Sn 189.925	1.6946b	ppb	1.3942	82.3	0.2237
Sr 216.596	2292.15b	ppb	5.2157	0.2	18423.5
Ti 334.941	8.4567b	ppb	0.1722	2.0	692.765
Tl 190.794	1.4631b	ppb	3.5776	244.5	-0.8499
V 292.401	3.4323b	ppb	0.1604	4.7	45.6278
Zn 206.200	2.6586b	ppb	0.6690	25.2	3.0988

680-85956-a-1-a (Samp) **12/21/2012, 9:14:29 AM** **Rack 3, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3536	0.4937	0.0818
Al 308.215	482.256	482.927	483.324
As 188.980	-5.7418u	-1.6980u	4.1942
B 249.678	6.1912	6.5915	6.2291
Ba 389.178	1.1269	2.1079	1.6798
Be 313.042	-0.0205u	-0.0183u	-0.0094u
Ca 370.602	25781	25762	25798
Cd 226.502	-0.0976u	0.0961	0.0132
Co 228.615	0.2950	-0.2694u	0.0810
Cr 267.716	7.5928	7.3873	7.4811
Cu 324.754	16.5095	16.4025	16.5602
Fe 271.441	63.7872	64.0524	61.1698
K 766.491	5275.48	5275.63	5276.89
Mg 279.078	70.9637	72.8377	72.3348
Mn 257.610	2.7978	2.7233	2.7548
Mo 202.032	2.0774	1.7716	1.6957
Na 330.237	30582.5	30611.0	30273.0
Ni 231.604	1.1368	2.5585	2.2393
Pb 220.353	4.3192	2.9234	-0.7179u
Sb 206.834	3.4180	0.3762	-0.3521u
Se 196.026	2.1668	0.5712	-3.2480u
Sn 189.925	-1.8254u	-0.6771u	-0.1828u
Sr 216.596	464.622	463.400	463.870
Ti 334.941	1.8560	1.6126	1.8268
Tl 190.794	2.3706	-0.0406u	-0.5823u
V 292.401	0.2479	0.2233	0.3254
Zn 206.200	-0.1908u	0.7851	0.2686

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3097	ppb	0.2094	67.6	0.8902
Al 308.215	482.835	ppb	0.5398	0.1	1543.29
As 188.980	-1.0819	ppb	4.9966	461.9	-0.6915
B 249.678	6.3373	ppb	0.2210	3.5	108.912
Ba 389.178	1.6382	ppb	0.4918	30.0	8.3260
Be 313.042	-0.0161	ppb	0.0059	36.8	-82.6042
Ca 370.602	25780	ppb	18.22	0.1	64353
Cd 226.502	0.0039	ppb	0.0972	2488.8	3.2174
Co 228.615	0.0355	ppb	0.2849	801.7	-5.9985
Cr 267.716	7.4871	ppb	0.1029	1.4	242.242
Cu 324.754	16.4907	ppb	0.0805	0.5	1037.96
Fe 271.441	63.0031	ppb	1.5932	2.5	49.0387
K 766.491	5276.00	ppb	0.7753	0.0	163198
Mg 279.078	72.0454	ppb	0.9699	1.3	126.664
Mn 257.610	2.7586	ppb	0.0374	1.4	154.129
Mo 202.032	1.8482	ppb	0.2021	10.9	13.2585
Na 330.237	30488.8	ppb	187.493	0.6	1140.85
Ni 231.604	1.9782	ppb	0.7459	37.7	2.9369
Pb 220.353	2.1749	ppb	2.6006	119.6	4.5623
Sb 206.834	1.1474	ppb	1.9999	174.3	1.9450
Se 196.026	-0.1700	ppb	2.7825	1636.8	1.8393
Sn 189.925	-0.8951	ppb	0.8427	94.1	-1.4253
Sr 216.596	463.964	ppb	0.6167	0.1	3728.04
Ti 334.941	1.7651	ppb	0.1329	7.5	131.167
Tl 190.794	0.5826	ppb	1.5720	269.8	-1.2492
V 292.401	0.2655	ppb	0.0533	20.1	2.3526
Zn 206.200	0.2877	ppb	0.4882	169.7	-1.2343

680-85956-a-1-a (Samp) **12/21/2012, 9:20:58 AM** **Rack 3, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	55.8853	55.5476	56.4436
Al 308.215	4551.05	4534.48	4500.76
As 188.980	2342.12	2356.97	2356.39
B 249.678	1161.42	1162.56	1173.70
Ba 389.178	2034.84	2037.82	2040.67
Be 313.042	55.2360	55.3644	55.5415
Ca 370.602	133772	133846	133489
Cd 226.502	50.5515	50.3582	50.4272
Co 228.615	509.225	510.138	511.808
Cr 267.716	246.750	247.555	248.178
Cu 324.754	342.102	341.790	341.990
Fe 271.441	1345.46	1328.64	1327.54
K 766.491	35506.8x	35446.8x	35490.1x
Mg 279.078	5759.45	5771.10	5785.22
Mn 257.610	570.971	573.918	580.756
Mo 202.032	504.693	506.594	506.948
Na 330.237	171069x	171566x	171448x
Ni 231.604	515.350	515.755	520.981
Pb 220.353	505.695	505.817	505.308
Sb 206.834	524.092	523.806	528.449
Se 196.026	2262.13	2278.09	2280.29
Sn 189.925	1025.20	1039.16	1037.22
Sr 216.596	2760.07	2764.13	2778.97
Ti 334.941	1023.20	1027.50	1040.08
Tl 190.794	1886.54	1876.89	1884.52
V 292.401	506.456	506.456	507.627
Zn 206.200	536.338	539.720	539.986

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	55.9588b	ppb	0.4525	0.8	2172.44
Al 308.215	4528.77b	ppb	25.6240	0.6	14318.4
As 188.980	2351.83b	ppb	8.4111	0.4	1193.66
B 249.678	1165.89b	ppb	6.7836	0.6	12328.9
Ba 389.178	2037.78b	ppb	2.9154	0.1	25465.0
Be 313.042	55.3806b	ppb	0.1534	0.3	58571.2
Ca 370.602	133702b	ppb	188.6	0.1	333473
Cd 226.502	50.4456b	ppb	0.0980	0.2	1534.96
Co 228.615	510.390b	ppb	1.3097	0.3	4451.43
Cr 267.716	247.494b	ppb	0.7159	0.3	7586.82
Cu 324.754	341.961b	ppb	0.1577	0.0	17552.9
Fe 271.441	1333.88b	ppb	10.0463	0.8	1389.45
K 766.491	35481.2xb	ppb	30.9694	0.1	1096467
Mg 279.078	5771.92b	ppb	12.9086	0.2	9509.83
Mn 257.610	575.215b	ppb	5.0197	0.9	28500.7
Mo 202.032	506.079b	ppb	1.2127	0.2	2706.70
Na 330.237	171361xb	ppb	259.985	0.2	6415.06
Ni 231.604	517.362b	ppb	3.1405	0.6	1130.22
Pb 220.353	505.607b	ppb	0.2655	0.1	591.495
Sb 206.834	525.449b	ppb	2.6016	0.5	583.846
Se 196.026	2273.51b	ppb	9.9112	0.4	717.181
Sn 189.925	1033.86b	ppb	7.5660	0.7	629.998
Sr 216.596	2767.72b	ppb	9.9520	0.4	22223.8
Ti 334.941	1030.26b	ppb	8.7735	0.9	86846.0
Tl 190.794	1882.65b	ppb	5.0890	0.3	861.852
V 292.401	506.846b	ppb	0.6761	0.1	8839.53
Zn 206.200	538.681b	ppb	2.0339	0.4	445.361

680-85956-a-2-a (Samp) **12/21/2012, 9:27:27 AM** **Rack 3, Tube 59**

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

Label	Replicates Concentration		
Ag 328.068	-0.3250u	0.1156u	0.3299
Al 308.215	3109.12	3126.82	3128.81
As 188.980	4.8391	-2.5813u	1.8304
B 249.678	24.1893	23.4237	22.7881
Ba 389.178	15.1227	15.6463	15.8496
Be 313.042	0.0129	0.0177	0.0122
Ca 370.602	127271	127445	127576
Cd 226.502	-0.1845	-0.1772	-0.1130
Co 228.615	1.2330	1.2530	0.8991
Cr 267.716	13.8587	13.9104	13.5936
Cu 324.754	18.8380	19.0709	18.7389
Fe 271.441	282.314	290.713	292.869
K 766.491	17057.5	17142.7	17148.4
Mg 279.078	67.2273	70.6901	67.7899
Mn 257.610	8.5095	8.3294	8.3195
Mo 202.032	5.0448	5.4840	5.0588
Na 330.237	26939.2	26743.7	26942.0
Ni 231.604	3.2939	2.5836	2.4841
Pb 220.353	7.0025	7.1740	8.9988
Sb 206.834	1.9075	1.7890	4.9441
Se 196.026	2.9267	2.1230	3.2495
Sn 189.925	1.9616	0.8404	-1.1278u
Sr 216.596	1071.57	1068.99	1065.01
Ti 334.941	15.0523	14.9604	14.9788
Tl 190.794	1.2942	6.7513	0.5156
V 292.401	8.1731	8.8994	8.3832
Zn 206.200	8.0559	7.7527	8.6836

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0402	ppb	0.3339	830.8	-13.7569
Al 308.215	3121.58	ppb	10.8383	0.3	9857.36
As 188.980	1.3627	ppb	3.7323	273.9	0.5487
B 249.678	23.4670	ppb	0.7016	3.0	289.350
Ba 389.178	15.5395	ppb	0.3750	2.4	172.028
Be 313.042	0.0143	ppb	0.0030	20.8	-28.4180
Ca 370.602	127431	ppb	153.0	0.1	318039
Cd 226.502	-0.1582	ppb	0.0393	24.9	6.1811
Co 228.615	1.1283	ppb	0.1988	17.6	3.6909
Cr 267.716	13.7875	ppb	0.1700	1.2	435.056
Cu 324.754	18.8826	ppb	0.1704	0.9	1159.37
Fe 271.441	288.632	ppb	5.5764	1.9	281.533
K 766.491	17116.2	ppb	50.9177	0.3	529031
Mg 279.078	68.5691	ppb	1.8582	2.7	120.632
Mn 257.610	8.3862	ppb	0.1070	1.3	433.142
Mo 202.032	5.1958	ppb	0.2496	4.8	31.1868
Na 330.237	26875.0	ppb	113.715	0.4	1005.26
Ni 231.604	2.7872	ppb	0.4417	15.8	4.7118
Pb 220.353	7.7251	ppb	1.1064	14.3	10.9630
Sb 206.834	2.8802	ppb	1.7884	62.1	3.9130
Se 196.026	2.7664	ppb	0.5801	21.0	2.7637
Sn 189.925	0.5580	ppb	1.5639	280.3	-0.5055
Sr 216.596	1068.52	ppb	3.3020	0.3	8591.58
Ti 334.941	14.9972	ppb	0.0486	0.3	1247.02
Tl 190.794	2.8537	ppb	3.3978	119.1	-0.2115
V 292.401	8.4852	ppb	0.3737	4.4	136.151
Zn 206.200	8.1640	ppb	0.4748	5.8	7.7214

680-85956-a-3-a (Samp) **12/21/2012, 9:33:55 AM** **Rack 3, Tube 60**

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

Label	Replicates Concentration		
Ag 328.068	-0.1213u	0.1211	0.2666
Al 308.215	1241.71	1233.63	1225.85
As 188.980	-5.3033u	3.1422	-4.2744u
B 249.678	15.7653	15.8020	15.8703
Ba 389.178	4.4474	3.7401	3.9349
Be 313.042	0.0183	0.0030	0.0006
Ca 370.602	26871	26851	26808
Cd 226.502	0.1393	0.1385	0.1752
Co 228.615	0.1582	0.7752	0.6470
Cr 267.716	2.7157	2.6865	2.7866
Cu 324.754	15.9026	15.8151	15.4946
Fe 271.441	295.475	293.545	293.820
K 766.491	3793.69	3801.49	3788.14
Mg 279.078	2087.81	2098.35	2095.78
Mn 257.610	32.5734	32.9406	33.1698
Mo 202.032	1.0901	1.2752	1.4993
Na 330.237	16745.3	16857.8	16713.6
Ni 231.604	4.9496	4.1302	4.2857
Pb 220.353	2.3676	0.9109	2.5824
Sb 206.834	0.2553	2.4932	1.9758
Se 196.026	5.7403	5.7837	-0.5686u
Sn 189.925	-3.4567u	-1.2853u	-0.1723u
Sr 216.596	130.377	130.443	130.775
Ti 334.941	17.5409	17.6083	17.4436
Tl 190.794	1.1498	-6.7855u	5.4581
V 292.401	1.4339	2.0958	1.8491
Zn 206.200	8.1892	9.2096	6.6194

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0888	ppb	0.1960	220.6	-5.6827
Al 308.215	1233.73	ppb	7.9332	0.6	3909.13
As 188.980	-2.1452	ppb	4.6078	214.8	-1.2312
B 249.678	15.8126	ppb	0.0533	0.3	208.650
Ba 389.178	4.0408	ppb	0.3654	9.0	39.8706
Be 313.042	0.0073	ppb	0.0096	131.6	-56.3881
Ca 370.602	26843	ppb	32.21	0.1	66947
Cd 226.502	0.1510	ppb	0.0209	13.9	8.4147
Co 228.615	0.5268	ppb	0.3256	61.8	-1.4258
Cr 267.716	2.7296	ppb	0.0515	1.9	96.5417
Cu 324.754	15.7374	ppb	0.2148	1.4	999.942
Fe 271.441	294.280	ppb	1.0443	0.4	285.536
K 766.491	3794.44	ppb	6.7055	0.2	117421
Mg 279.078	2093.98	ppb	5.4960	0.3	3456.61
Mn 257.610	32.8946	ppb	0.3008	0.9	1648.09
Mo 202.032	1.2882	ppb	0.2049	15.9	10.2737
Na 330.237	16772.2	ppb	75.7597	0.5	626.457
Ni 231.604	4.4552	ppb	0.4352	9.8	8.4100
Pb 220.353	1.9537	ppb	0.9094	46.5	4.2853
Sb 206.834	1.5748	ppb	1.1716	74.4	2.4198
Se 196.026	3.6518	ppb	3.6550	100.1	3.0423
Sn 189.925	-1.6381	ppb	1.6704	102.0	-1.8817
Sr 216.596	130.532	ppb	0.2134	0.2	1049.21
Ti 334.941	17.5309	ppb	0.0828	0.5	1460.73
Tl 190.794	-0.0592	ppb	6.2107	10490.8	-1.5379
V 292.401	1.7929	ppb	0.3345	18.7	29.4432
Zn 206.200	8.0061	ppb	1.3948	16.3	7.6602

CRI (Samp) **12/21/2012, 9:55:05 AM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	11.0661	11.3747	11.0250
Al 308.215	207.799	204.176	203.352
As 188.980	23.1361	23.0928	19.2973
B 249.678	117.073	116.343	115.639
Ba 389.178	10.0316	9.5480	10.2043
Be 313.042	4.6794	4.6510	4.6113
Ca 370.602	520.1	517.1	517.7
Cd 226.502	5.5128	5.2556	5.5238
Co 228.615	11.0189	10.3791	10.6611
Cr 267.716	11.1872	11.0364	10.8872
Cu 324.754	21.3225	20.9267	21.0246
Fe 271.441	61.7031	61.6712	59.5320
K 766.491	1103.00	1097.43	1090.26
Mg 279.078	574.249	570.442	571.581
Mn 257.610	11.7808	11.6052	11.6362
Mo 202.032	10.3543	10.3909	10.4418
Na 330.237	1346.75	1074.44	909.485
Ni 231.604	43.6423	42.0886	42.7018
Pb 220.353	9.7803	7.8732	11.2857
Sb 206.834	22.7804	22.2867	20.0362
Se 196.026	20.6022	18.5252	18.7204
Sn 189.925	54.4958	53.1602	50.6065
Sr 216.596	11.2360	11.1582	11.0589
Ti 334.941	10.6636	10.5937	10.6229
Tl 190.794	23.0394	27.1283	26.1777
V 292.401	10.1709	10.1643	10.2603
Zn 206.200	24.6645	22.6924	24.7310

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.1553	ppb	0.1912	1.7	429.928
Al 308.215	205.109	ppb	2.3660	1.2	668.813
As 188.980	21.8421	ppb	2.2039	10.1	10.9440
B 249.678	116.351	ppb	0.7167	0.6	1268.35
Ba 389.178	9.9279	ppb	0.3402	3.4	114.940
Be 313.042	4.6472	ppb	0.0342	0.7	4848.60
Ca 370.602	518.3	ppb	1.590	0.3	1296
Cd 226.502	5.4307	ppb	0.1518	2.8	165.258
Co 228.615	10.6864	ppb	0.3206	3.0	86.8404
Cr 267.716	11.0369	ppb	0.1500	1.4	350.497
Cu 324.754	21.0912	ppb	0.2061	1.0	1271.34
Fe 271.441	60.9688	ppb	1.2444	2.0	47.3536
K 766.491	1096.90	ppb	6.3856	0.6	34073.3
Mg 279.078	572.091	ppb	1.9541	0.3	950.228
Mn 257.610	11.6741	ppb	0.0938	0.8	595.929
Mo 202.032	10.3957	ppb	0.0439	0.4	58.9090
Na 330.237	1110.22	ppb	220.815	19.9	39.3904
Ni 231.604	42.8109	ppb	0.7826	1.8	92.1771
Pb 220.353	9.6464	ppb	1.7102	17.7	13.2824
Sb 206.834	21.7011	ppb	1.4628	6.7	24.8347
Se 196.026	19.2826	ppb	1.1470	5.9	7.9595
Sn 189.925	52.7542	ppb	1.9762	3.7	31.2930
Sr 216.596	11.1510	ppb	0.0888	0.8	86.7289
Ti 334.941	10.6268	ppb	0.0351	0.3	878.998
Tl 190.794	25.4484	ppb	2.1398	8.4	10.1593
V 292.401	10.1985	ppb	0.0537	0.5	178.570
Zn 206.200	24.0293	ppb	1.1583	4.8	20.8466

CCV (Samp) **12/21/2012, 10:01:34 AM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	537.370	541.777	535.216
Al 308.215	5078.08	5080.89	5084.86
As 188.980	539.641	544.716	554.382
B 249.678	2853.66	2855.12	2838.80
Ba 389.178	5141.92	5142.78	5113.05
Be 313.042	560.730	558.509	558.378
Ca 370.602	5326	5326	5299
Cd 226.502	517.515	517.480	514.729
Co 228.615	522.670	520.185	520.059
Cr 267.716	5386.79	5383.78	5352.68
Cu 324.754	5126.90	5102.80	5086.84
Fe 271.441	5270.88	5272.77	5268.13
K 766.491	10573.4	10589.7	10543.5
Mg 279.078	5350.12	5343.60	5307.15
Mn 257.610	5552.90	5529.92	5500.01
Mo 202.032	511.567	510.171	509.222
Na 330.237	7987.50	7921.78	7910.87
Ni 231.604	2648.26	2640.12	2619.47
Pb 220.353	519.846	519.720	516.242
Sb 206.834	487.036	494.679	490.470
Se 196.026	5633.56	5615.92	5582.27
Sn 189.925	5143.47	5118.32	5089.40
Sr 216.596	2636.99	2630.17	2616.80
Ti 334.941	518.747	517.617	513.348
Tl 190.794	4858.55	4851.74	4890.50
V 292.401	4964.61	4966.12	4953.63
Zn 206.200	2801.42	2786.67	2758.34

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	538.121	ppb	3.3442	0.6	21120.1
Al 308.215	5081.28	ppb	3.4026	0.1	16240.4
As 188.980	546.246	ppb	7.4886	1.4	277.050
B 249.678	2849.19	ppb	9.0269	0.3	30067.2
Ba 389.178	5132.59	ppb	16.9231	0.3	64189.8
Be 313.042	559.205	ppb	1.3219	0.2	591847
Ca 370.602	5317	ppb	15.17	0.3	12088
Cd 226.502	516.575	ppb	1.5983	0.3	15595.8
Co 228.615	520.971	ppb	1.4725	0.3	4534.24
Cr 267.716	5374.42	ppb	18.8864	0.4	164470
Cu 324.754	5105.52	ppb	20.1692	0.4	258966
Fe 271.441	5270.60	ppb	2.3329	0.0	5461.46
K 766.491	10568.8	ppb	23.3871	0.2	326734
Mg 279.078	5333.62	ppb	23.1613	0.4	8748.28
Mn 257.610	5527.61	ppb	26.5183	0.5	273678
Mo 202.032	510.320	ppb	1.1800	0.2	2726.54
Na 330.237	7940.05	ppb	41.4537	0.5	280.065
Ni 231.604	2635.95	ppb	14.8397	0.6	5760.97
Pb 220.353	518.603	ppb	2.0452	0.4	607.032
Sb 206.834	490.728	ppb	3.8283	0.8	568.445
Se 196.026	5610.58	ppb	26.0568	0.5	1767.09
Sn 189.925	5117.07	ppb	27.0581	0.5	3121.27
Sr 216.596	2627.99	ppb	10.2682	0.4	21021.6
Ti 334.941	516.571	ppb	2.8474	0.6	43615.1
Tl 190.794	4866.93	ppb	20.6944	0.4	2234.56
V 292.401	4961.45	ppb	6.8144	0.1	86947.2
Zn 206.200	2782.14	ppb	21.8959	0.8	2281.70

CCB (Samp) **12/21/2012, 10:08:03 AM** **Rack 4, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1731	-0.3947u	-0.1400u
Al 308.215	1.3858	1.9204	2.1134
As 188.980	5.9446	3.9017	7.7333
B 249.678	11.6157	10.1869	9.0938
Ba 389.178	-0.0221u	1.1753	0.2206
Be 313.042	0.0030	0.0183	0.0294
Ca 370.602	5.152	4.414	4.827
Cd 226.502	0.0330	0.0788	0.1720
Co 228.615	0.3664	0.2102	0.5213
Cr 267.716	0.1811	0.3335	0.3932
Cu 324.754	0.8212	0.6081	0.8576
Fe 271.441	7.1022	-2.8312u	5.2432
K 766.491	2.0464	1.5782	2.1278
Mg 279.078	3.9823	3.0449	3.9933
Mn 257.610	0.1489	0.3138	0.4208
Mo 202.032	0.5927	1.3312	0.5501
Na 330.237	173.987	339.647	44.2654
Ni 231.604	0.1036	0.6311	0.9583
Pb 220.353	-0.9578u	1.6147	-0.1375u
Sb 206.834	0.7261	0.1116	2.8486
Se 196.026	-3.5085u	-0.8947u	-2.9664u
Sn 189.925	-0.9970u	1.2574	-1.1259u
Sr 216.596	0.4284	0.6118	0.3157
Ti 334.941	0.0496	0.0837	0.0982
Tl 190.794	3.4916	2.8346	3.6169
V 292.401	-0.3351u	-0.3160u	0.2091
Zn 206.200	1.2491	1.0416	-0.6138u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1205	ppb	0.2844	235.9	-12.9820
Al 308.215	1.8066	ppb	0.3770	20.9	27.7206
As 188.980	5.8598	ppb	1.9172	32.7	2.8327
B 249.678	10.2988	ppb	1.2647	12.3	150.684
Ba 389.178	0.4579	ppb	0.6330	138.2	-3.9253
Be 313.042	0.0169	ppb	0.0133	78.7	-51.1976
Ca 370.602	4.798	ppb	0.3696	7.7	27.96
Cd 226.502	0.0946	ppb	0.0708	74.9	4.1154
Co 228.615	0.3660	ppb	0.1555	42.5	-3.1262
Cr 267.716	0.3026	ppb	0.1094	36.1	22.0259
Cu 324.754	0.7623	ppb	0.1348	17.7	240.701
Fe 271.441	3.1714	ppb	5.2809	166.5	-12.5583
K 766.491	1.9175	ppb	0.2966	15.5	241.100
Mg 279.078	3.6735	ppb	0.5444	14.8	14.1177
Mn 257.610	0.2945	ppb	0.1370	46.5	32.0039
Mo 202.032	0.8247	ppb	0.4392	53.3	7.7825
Na 330.237	185.966	ppb	148.055	79.6	4.9176
Ni 231.604	0.5643	ppb	0.4312	76.4	-0.1560
Pb 220.353	0.1731	ppb	1.3141	759.1	2.2384
Sb 206.834	1.2287	ppb	1.4361	116.9	2.0074
Se 196.026	-2.4565	ppb	1.3795	56.2	1.1198
Sn 189.925	-0.2885	ppb	1.3404	464.6	-1.0713
Sr 216.596	0.4520	ppb	0.1494	33.1	2.2541
Ti 334.941	0.0772	ppb	0.0250	32.3	-10.5912
Tl 190.794	3.3143	ppb	0.4202	12.7	0.0036
V 292.401	-0.1473	ppb	0.3088	209.7	-1.9545
Zn 206.200	0.5590	ppb	1.0209	182.6	-1.4816

680-85585-c-36-b (Samp) **12/21/2012, 10:14:54 AM** **Rack 4, Tube 6**

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

Label	Replicates Concentration		
Ag 328.068	2.0107	1.8357	2.1353
Al 308.215	43564.0	43186.0	42391.7
As 188.980	3.9159	6.4469	8.6864
B 249.678	27.5060	27.3111	27.4080
Ba 389.178	83.4016	82.9314	82.1017
Be 313.042	0.2296	0.2341	0.2247
Ca 370.602	8743	8651	8588
Cd 226.502	8.4568	8.1954	8.0164
Co 228.615	1.7141	1.7613	1.1998
Cr 267.716	17.1446	16.9436	17.0365
Cu 324.754	21290.5	21181.6	20816.9
Fe 271.441	7887.30	7797.13	7730.17
K 766.491	296.626	293.260	289.987
Mg 279.078	1204.30	1189.44	1188.09
Mn 257.610	250.771	245.872	248.314
Mo 202.032	1.9070	2.1249	2.1939
Na 330.237	10.2855u	115.202u	-93.5462u
Ni 231.604	10.2447	10.9529	11.9910
Pb 220.353	741.846	729.933	721.863
Sb 206.834	379.856	380.277	373.706
Se 196.026	8.6732	3.0898	-2.1664u
Sn 189.925	362.003	355.405	351.333
Sr 216.596	12.4393	11.9676	12.5638
Ti 334.941	54.3539	53.5476	53.9790
Tl 190.794	-3.7394u	2.0442	-5.9554u
V 292.401	10.6173	10.5852	10.6242
Zn 206.200	1357.28	1336.95	1334.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.9939	ppb	0.1505	7.5	68.8977
Al 308.215	43047.2	ppb	598.329	1.4	135648
As 188.980	6.3497	ppb	2.3867	37.6	3.0811
B 249.678	27.4084	ppb	0.0975	0.4	327.003
Ba 389.178	82.8116	ppb	0.6582	0.8	1027.03
Be 313.042	0.2295	ppb	0.0047	2.0	180.531
Ca 370.602	8661	ppb	77.90	0.9	19553
Cd 226.502	8.2229	ppb	0.2215	2.7	272.310
Co 228.615	1.5584	ppb	0.3115	20.0	8.3687
Cr 267.716	17.0416	ppb	0.1006	0.6	536.137
Cu 324.754	21096.4	ppb	248.066	1.2	1069512
Fe 271.441	7804.87	ppb	78.8493	1.0	7963.98
K 766.491	293.291	ppb	3.3197	1.1	9243.84
Mg 279.078	1193.94	ppb	8.9897	0.8	1968.58
Mn 257.610	248.319	ppb	2.4495	1.0	12315.5
Mo 202.032	2.0753	ppb	0.1497	7.2	15.0873
Na 330.237	10.6471	ppb	104.374	980.3	-9.3716
Ni 231.604	11.0629	ppb	0.8784	7.9	22.9924
Pb 220.353	731.214	ppb	10.0525	1.4	855.170
Sb 206.834	377.946	ppb	3.6781	1.0	423.532
Se 196.026	3.1989	ppb	5.4207	169.5	2.9186
Sn 189.925	356.247	ppb	5.3846	1.5	216.470
Sr 216.596	12.3236	ppb	0.3145	2.6	98.3508
Ti 334.941	53.9602	ppb	0.4035	0.7	4533.69
Tl 190.794	-2.5502	ppb	4.1303	162.0	-3.0299
V 292.401	10.6089	ppb	0.0208	0.2	187.721
Zn 206.200	1342.93	ppb	12.4866	0.9	1110.59

680-85585-b-36-d ms (Samp) **12/21/2012, 10:21:23 AM** **Rack 4, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	8.3657	8.3989	7.7042
Al 308.215	26286.1	26618.7	26491.2
As 188.980	12.5821	17.6166	15.0581
B 249.678	45.5615	45.2325	45.1380
Ba 389.178	96.1450	96.9101	96.7822
Be 313.042	6.3531	6.3783	6.3524
Ca 370.602	7872	7898	7872
Cd 226.502	8.9121	8.8970	8.7835
Co 228.615	6.9914	7.6762	7.0924
Cr 267.716	30.7733	30.7005	30.4761
Cu 324.754	17252.6	17555.8	17306.1
Fe 271.441	8837.55	8870.25	8845.39
K 766.491	905.845	909.079	903.730
Mg 279.078	1532.66	1533.50	1528.45
Mn 257.610	324.711	321.855	320.689
Mo 202.032	12.3329	12.6826	12.3762
Na 330.237	639.703	616.534	608.341
Ni 231.604	22.9671	23.1264	24.0388
Pb 220.353	779.181	784.765	780.518
Sb 206.834	316.220	324.153	320.504
Se 196.026	5.2544	10.7409	4.6038
Sn 189.925	373.457	366.696	368.247
Sr 216.596	21.6881	22.2892	22.7985
Ti 334.941	71.0045	70.1950	70.1892
Tl 190.794	7.3500	3.9805	7.6645
V 292.401	19.9158	19.6882	19.8509
Zn 206.200	953.110	949.596	945.769

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.1563	ppb	0.3918	4.8	310.718
Al 308.215	26465.3	ppb	167.817	0.6	83405.4
As 188.980	15.0856	ppb	2.5174	16.7	7.5136
B 249.678	45.3107	ppb	0.2223	0.5	515.115
Ba 389.178	96.6124	ppb	0.4098	0.4	1200.12
Be 313.042	6.3613	ppb	0.0148	0.2	6667.36
Ca 370.602	7881	ppb	14.67	0.2	17314
Cd 226.502	8.8642	ppb	0.0703	0.8	292.101
Co 228.615	7.2533	ppb	0.3697	5.1	58.0937
Cr 267.716	30.6500	ppb	0.1549	0.5	952.713
Cu 324.754	17371.5	ppb	161.797	0.9	880711
Fe 271.441	8851.06	ppb	17.0697	0.2	9034.05
K 766.491	906.218	ppb	2.6937	0.3	28181.8
Mg 279.078	1531.54	ppb	2.7098	0.2	2525.79
Mn 257.610	322.418	ppb	2.0695	0.6	15984.7
Mo 202.032	12.4639	ppb	0.1907	1.5	70.1982
Na 330.237	621.526	ppb	16.2658	2.6	15.0359
Ni 231.604	23.3774	ppb	0.5783	2.5	49.9441
Pb 220.353	781.488	ppb	2.9158	0.4	914.379
Sb 206.834	320.292	ppb	3.9706	1.2	358.904
Se 196.026	6.8664	ppb	3.3712	49.1	4.0752
Sn 189.925	369.467	ppb	3.5419	1.0	224.536
Sr 216.596	22.2586	ppb	0.5558	2.5	181.118
Ti 334.941	70.4629	ppb	0.4691	0.7	5925.04
Tl 190.794	6.3317	ppb	2.0422	32.3	1.0120
V 292.401	19.8183	ppb	0.1173	0.6	348.623
Zn 206.200	949.492	ppb	3.6717	0.4	785.473

680-85585-b-36-e msd (Samp) **12/21/2012, 10:27:52 AM** **Rack 4, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	7.7321	8.0429	7.9035
Al 308.215	25209.3	25214.6	25009.3
As 188.980	15.9440	17.6319	11.1433
B 249.678	49.0110	48.9978	49.0647
Ba 389.178	106.423	106.391	106.158
Be 313.042	6.2127	6.1774	6.1892
Ca 370.602	8613	8591	8576
Cd 226.502	9.6483	9.8717	9.6784
Co 228.615	9.4258	9.0410	8.7769
Cr 267.716	36.8049	36.7077	36.7201
Cu 324.754	10684.9	10499.0	10373.3
Fe 271.441	12500.6	12488.2	12443.3
K 766.491	884.440	880.913	878.787
Mg 279.078	1852.17	1836.08	1846.52
Mn 257.610	577.500	573.340	577.138
Mo 202.032	12.1414	11.9945	12.1000
Na 330.237	665.945	631.424	622.223
Ni 231.604	36.1629	36.8570	35.8886
Pb 220.353	2687.99	2682.98	2677.50
Sb 206.834	242.836	239.584	242.604
Se 196.026	14.8023	10.1021	10.9220
Sn 189.925	303.813	297.229	297.773
Sr 216.596	24.5589	24.4813	23.7923
Ti 334.941	72.0008	71.3310	71.8439
Tl 190.794	6.4498	6.3475	5.6477
V 292.401	24.2023	24.0805	24.1652
Zn 206.200	1088.76	1085.92	1086.50

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	7.8928	ppb	0.1557	2.0	299.783
Al 308.215	25144.4	ppb	117.032	0.5	79243.8
As 188.980	14.9064	ppb	3.3664	22.6	7.4227
B 249.678	49.0245	ppb	0.0354	0.1	552.408
Ba 389.178	106.324	ppb	0.1447	0.1	1322.24
Be 313.042	6.1931	ppb	0.0180	0.3	6488.86
Ca 370.602	8594	ppb	18.47	0.2	18135
Cd 226.502	9.7328	ppb	0.1212	1.2	326.125
Co 228.615	9.0813	ppb	0.3263	3.6	74.2259
Cr 267.716	36.7442	ppb	0.0529	0.1	1139.95
Cu 324.754	10519.1	ppb	156.738	1.5	533382
Fe 271.441	12477.4	ppb	30.1229	0.2	12741.7
K 766.491	881.380	ppb	2.8553	0.3	27414.4
Mg 279.078	1844.92	ppb	8.1627	0.4	3040.21
Mn 257.610	575.993	ppb	2.3044	0.4	28540.5
Mo 202.032	12.0786	ppb	0.0757	0.6	67.9681
Na 330.237	639.864	ppb	23.0505	3.6	14.4275
Ni 231.604	36.3028	ppb	0.4991	1.4	78.3058
Pb 220.353	2682.82	ppb	5.2503	0.2	3135.71
Sb 206.834	241.675	ppb	1.8144	0.8	271.156
Se 196.026	11.9421	ppb	2.5107	21.0	5.6811
Sn 189.925	299.605	ppb	3.6545	1.2	181.910
Sr 216.596	24.2775	ppb	0.4220	1.7	205.741
Ti 334.941	71.7252	ppb	0.3503	0.5	6031.67
Tl 190.794	6.1484	ppb	0.4366	7.1	0.8293
V 292.401	24.1494	ppb	0.0624	0.3	425.240
Zn 206.200	1087.06	ppb	1.5042	0.1	809.130

-7A (Samp) **12/21/2012, 10:34:22 AM** **Rack 4, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1652	-0.2838u	0.3602
Al 308.215	6.8091	4.9653	7.6395
As 188.980	-1.0120u	4.4458	2.0261
B 249.678	103.682	103.453	103.401
Ba 389.178	205.724	207.253	206.756
Be 313.042	1.2049	1.2093	1.2152
Ca 370.602	29245	29359	29337
Cd 226.502	1.2638	1.1688	1.2293
Co 228.615	77.0645	78.8526	77.0346
Cr 267.716	0.0326	-0.1423u	0.1309
Cu 324.754	2.4603	2.2575	2.2341
Fe 271.441	3508.25	3518.90	3518.09
K 766.491	3660.33	3659.90	3661.26
Mg 279.078	4624.29	4641.05	4626.08
Mn 257.610	624.544	623.170	620.309
Mo 202.032	0.0324	-0.0065u	0.3428
Na 330.237	60071.7	60357.9	60649.3
Ni 231.604	12.7671	12.6904	12.0896
Pb 220.353	-0.4110u	-1.1927u	-2.8088u
Sb 206.834	-1.4056u	1.0651	3.8344
Se 196.026	-1.3529u	1.6783	-2.9987u
Sn 189.925	2.5471	-0.3905u	2.2574
Sr 216.596	269.137	271.015	268.873
Ti 334.941	0.0856	0.0008u	-0.0633u
Tl 190.794	-3.6735u	3.5626	-3.5320u
V 292.401	-0.0932u	-0.1368u	-0.1915u
Zn 206.200	163.945	167.147	169.093

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0805	ppb	0.3302	410.0	-7.4501
Al 308.215	6.4713	ppb	1.3687	21.2	42.4030
As 188.980	1.8200	ppb	2.7347	150.3	0.7820
B 249.678	103.512	ppb	0.1497	0.1	1131.26
Ba 389.178	206.578	ppb	0.7800	0.4	2574.59
Be 313.042	1.2098	ppb	0.0051	0.4	1213.24
Ca 370.602	29314	ppb	60.29	0.2	72260
Cd 226.502	1.2206	ppb	0.0481	3.9	47.6744
Co 228.615	77.6506	ppb	1.0411	1.3	671.065
Cr 267.716	0.0070	ppb	0.1384	1967.1	14.3704
Cu 324.754	2.3173	ppb	0.1244	5.4	319.504
Fe 271.441	3515.08	ppb	5.9267	0.2	3583.39
K 766.491	3660.49	ppb	0.6939	0.0	113282
Mg 279.078	4630.47	ppb	9.2019	0.2	7629.79
Mn 257.610	622.674	ppb	2.1607	0.3	30849.8
Mo 202.032	0.1229	ppb	0.1915	155.8	3.9026
Na 330.237	60359.7	ppb	288.795	0.5	2259.07
Ni 231.604	12.5157	ppb	0.3710	3.0	26.1797
Pb 220.353	-1.4708	ppb	1.2228	83.1	0.4533
Sb 206.834	1.1646	ppb	2.6214	225.1	1.9926
Se 196.026	-0.8911	ppb	2.3725	266.2	1.6211
Sn 189.925	1.4713	ppb	1.6188	110.0	0.0270
Sr 216.596	269.675	ppb	1.1681	0.4	2171.84
Ti 334.941	0.0077	ppb	0.0747	971.9	-17.5993
Tl 190.794	-1.2143	ppb	4.1375	340.7	-1.9288
V 292.401	-0.1405	ppb	0.0492	35.1	-4.7072
Zn 206.200	166.728	ppb	2.5993	1.6	138.860

-7B (Samp) **12/21/2012, 10:40:51 AM** **Rack 4, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0487u	0.2699	-0.1907u
Al 308.215	37.4885	38.8098	37.8275
As 188.980	4.3558	-0.4498u	0.6812
B 249.678	102.729	101.944	101.136
Ba 389.178	206.908	208.000	207.506
Be 313.042	1.8097	1.8052	1.8077
Ca 370.602	29522	29568	29525
Cd 226.502	1.3855	1.4285	1.4941
Co 228.615	76.3556	77.4685	77.6754
Cr 267.716	0.1704	0.0163	0.1365
Cu 324.754	6.2951	6.7110	6.3255
Fe 271.441	7872.06	7913.18	7895.15
K 766.491	3674.80	3654.82	3676.33
Mg 279.078	4619.00	4610.78	4617.66
Mn 257.610	616.284	610.883	616.416
Mo 202.032	0.1302	-0.1547u	0.2875
Na 330.237	60813.8	61003.1	60309.9
Ni 231.604	13.2478	14.0359	13.1013
Pb 220.353	-1.4142u	2.3754	0.0793
Sb 206.834	-0.5998u	1.4918	3.1713
Se 196.026	2.4527	1.7566	-2.2315u
Sn 189.925	0.5299	-2.7582u	-0.1928u
Sr 216.596	268.182	267.129	268.462
Ti 334.941	0.0335	-0.0486u	0.0265
Tl 190.794	8.2060	6.3789	1.7140
V 292.401	-0.0491u	-0.1977u	0.3113
Zn 206.200	173.985	170.140	171.174

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0426	ppb	0.2304	540.2	-9.6088
Al 308.215	38.0420	ppb	0.6863	1.8	141.879
As 188.980	1.5290	ppb	2.5125	164.3	0.6343
B 249.678	101.936	ppb	0.7962	0.8	1112.41
Ba 389.178	207.472	ppb	0.5467	0.3	2586.36
Be 313.042	1.8075	ppb	0.0022	0.1	1845.55
Ca 370.602	29538	ppb	25.74	0.1	71648
Cd 226.502	1.4360	ppb	0.0546	3.8	63.8330
Co 228.615	77.1665	ppb	0.7099	0.9	666.996
Cr 267.716	0.1077	ppb	0.0810	75.2	18.3818
Cu 324.754	6.4439	ppb	0.2319	3.6	528.664
Fe 271.441	7893.47	ppb	20.6093	0.3	8059.67
K 766.491	3668.65	ppb	12.0023	0.3	113534
Mg 279.078	4615.81	ppb	4.4142	0.1	7605.98
Mn 257.610	614.528	ppb	3.1570	0.5	30448.4
Mo 202.032	0.0877	ppb	0.2242	255.7	3.5525
Na 330.237	60708.9	ppb	358.264	0.6	2271.34
Ni 231.604	13.4616	ppb	0.5027	3.7	28.3695
Pb 220.353	0.3468	ppb	1.9089	550.4	2.6670
Sb 206.834	1.3544	ppb	1.8893	139.5	2.2691
Se 196.026	0.6593	ppb	2.5275	383.4	2.1198
Sn 189.925	-0.8070	ppb	1.7279	214.1	-1.3633
Sr 216.596	267.924	ppb	0.7028	0.3	2164.17
Ti 334.941	0.0038	ppb	0.0455	1196.0	-17.7778
Tl 190.794	5.4329	ppb	3.3478	61.6	0.8383
V 292.401	0.0215	ppb	0.2617	1217.0	-0.6593
Zn 206.200	171.767	ppb	1.9898	1.2	143.033

CCV (Samp) **12/21/2012, 11:52:49 AM** **Rack 4, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	483.263	488.227	487.514
Al 308.215	4696.54	4638.48	4657.67
As 188.980	443.286	451.316	453.415
B 249.678	2214.59	2235.45	2242.07
Ba 389.178	5112.97	5116.80	5122.44
Be 313.042	455.123	457.641	457.007
Ca 370.602	4788	4771	4784
Cd 226.502	455.771	457.415	459.350
Co 228.615	479.429	479.638	481.460
Cr 267.716	4892.36	4919.56	4920.98
Cu 324.754	4958.12	4946.43	4860.09
Fe 271.441	4838.05	4849.96	4850.83
K 766.491	9760.47	9740.67	9761.06
Mg 279.078	4430.95	4449.60	4451.33
Mn 257.610	5048.34	5128.62	5135.93
Mo 202.032	485.278	488.728	491.902
Na 330.237	7011.16	6899.58	7016.93
Ni 231.604	2335.32	2346.74	2351.46
Pb 220.353	472.218	476.758	475.618
Sb 206.834	447.759	450.848	454.831
Se 196.026	4431.00	4504.09	4497.71
Sn 189.925	4604.69	4615.75	4631.66
Sr 216.596	2437.01	2455.13	2456.45
Ti 334.941	486.463	494.491	493.314
Tl 190.794	4731.10	4711.38	4745.86
V 292.401	4840.06	4844.52	4845.72
Zn 206.200	2221.49	2233.32	2233.30

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	486.335	ppb	2.6837	0.6	19086.7
Al 308.215	4664.23	ppb	29.5799	0.6	14921.2
As 188.980	449.339	ppb	5.3460	1.2	227.859
B 249.678	2230.70	ppb	14.3405	0.6	23549.1
Ba 389.178	5117.40	ppb	4.7628	0.1	63998.8
Be 313.042	456.590	ppb	1.3093	0.3	483267
Ca 370.602	4781	ppb	8.875	0.2	10860
Cd 226.502	457.512	ppb	1.7915	0.4	13813.1
Co 228.615	480.176	ppb	1.1169	0.2	4178.60
Cr 267.716	4910.97	ppb	16.1285	0.3	150287
Cu 324.754	4921.55	ppb	53.5443	1.1	249642
Fe 271.441	4846.28	ppb	7.1441	0.1	5023.14
K 766.491	9754.07	ppb	11.6069	0.1	301559
Mg 279.078	4443.96	ppb	11.3023	0.3	7286.45
Mn 257.610	5104.30	ppb	48.5989	1.0	252720
Mo 202.032	488.636	ppb	3.3129	0.7	2610.78
Na 330.237	6975.89	ppb	66.1485	0.9	246.577
Ni 231.604	2344.51	ppb	8.3006	0.4	5124.03
Pb 220.353	474.865	ppb	2.3621	0.5	555.942
Sb 206.834	451.146	ppb	3.5452	0.8	522.279
Se 196.026	4477.60	ppb	40.4831	0.9	1410.64
Sn 189.925	4617.37	ppb	13.5562	0.3	2816.38
Sr 216.596	2449.53	ppb	10.8644	0.4	19597.7
Ti 334.941	491.423	ppb	4.3356	0.9	41487.9
Tl 190.794	4729.45	ppb	17.2993	0.4	2171.23
V 292.401	4843.43	ppb	2.9844	0.1	84886.2
Zn 206.200	2229.37	ppb	6.8278	0.3	1826.52

CCB (Samp) **12/21/2012, 11:59:18 AM** **Rack 4, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1985	0.1248	0.3260
Al 308.215	1.3316	1.2225	1.6660
As 188.980	7.1361	0.0082	0.2826
B 249.678	9.2309	7.3667	5.9530
Ba 389.178	0.0634	-0.1826u	0.5753
Be 313.042	-0.0008u	-0.0080u	0.0078
Ca 370.602	-0.6441u	4.049	3.793
Cd 226.502	0.0650	0.0233	0.0884
Co 228.615	0.4836	0.4439	0.4472
Cr 267.716	0.1947	0.2389	0.1107
Cu 324.754	-0.3697u	-0.7579u	-0.4002u
Fe 271.441	4.2014	6.3778	5.7307
K 766.491	0.2950	-0.1124u	-0.0579u
Mg 279.078	0.9106	-1.0107u	2.9594
Mn 257.610	0.2009	0.1253	0.2604
Mo 202.032	0.6946	1.2649	0.7523
Na 330.237	-94.5324u	-126.153u	-60.3736u
Ni 231.604	-0.0232u	0.7557	1.4436
Pb 220.353	-0.0686u	-0.5011u	0.1465
Sb 206.834	1.1203	1.9616	2.3012
Se 196.026	-5.4354u	-1.2279u	-8.3605u
Sn 189.925	-0.6069u	0.8160	1.6561
Sr 216.596	0.4620	0.1005	0.4650
Ti 334.941	0.0825	0.1520	0.1370
Tl 190.794	3.1604	-1.0430u	-0.4721u
V 292.401	-0.0939u	0.0095	0.1952
Zn 206.200	0.0879	-0.2084u	-0.9403u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2164	ppb	0.1018	47.0	0.2557
Al 308.215	1.4067	ppb	0.2311	16.4	26.4707
As 188.980	2.4756	ppb	4.0384	163.1	1.1147
B 249.678	7.5168	ppb	1.6441	21.9	121.366
Ba 389.178	0.1521	ppb	0.3866	254.3	-7.7513
Be 313.042	-0.0003	ppb	0.0080	2427.6	-69.4005
Ca 370.602	2.399	ppb	2.639	110.0	22.27
Cd 226.502	0.0589	ppb	0.0330	56.0	3.0327
Co 228.615	0.4582	ppb	0.0220	4.8	-2.3235
Cr 267.716	0.1814	ppb	0.0651	35.9	18.3148
Cu 324.754	-0.5093	ppb	0.2159	42.4	176.249
Fe 271.441	5.4366	ppb	1.1176	20.6	-10.2163
K 766.491	0.0416	ppb	0.2211	531.9	183.140
Mg 279.078	0.9531	ppb	1.9854	208.3	9.6404
Mn 257.610	0.1955	ppb	0.0677	34.6	27.0993
Mo 202.032	0.9039	ppb	0.3139	34.7	8.2052
Na 330.237	-93.6864	ppb	32.8979	35.1	-5.5604
Ni 231.604	0.7253	ppb	0.7339	101.2	0.1973
Pb 220.353	-0.1411	ppb	0.3298	233.8	1.8719
Sb 206.834	1.7943	ppb	0.6080	33.9	2.6376
Se 196.026	-5.0079	ppb	3.5854	71.6	0.3171
Sn 189.925	0.6217	ppb	1.1439	184.0	-0.5159
Sr 216.596	0.3425	ppb	0.2096	61.2	1.3682
Ti 334.941	0.1238	ppb	0.0366	29.6	-6.6550
Tl 190.794	0.5485	ppb	2.2800	415.7	-1.2628
V 292.401	0.0369	ppb	0.1465	396.5	1.2775
Zn 206.200	-0.3536	ppb	0.5293	149.7	-0.7279

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa

WI No. FWI-ME-004 Rev. 2
Effective 04.18.12
Data review checklist: Metals Hg

Run File: 12L17CETAC Run Date: 12/17/12 Analyst: Sal Ramos
Instrument: CETAC
Batch #s: 132590
245.1 7470 7471 245.1 7470 7471 245.1 7470 7471 245.1 7470 7471 245.1 7470 7471

Standards Summary
Standards Acid Matrix: _____% HNO_3

	Curve Intermediate	Working Curve	ICV Intermediate	Working ICV
Lab ID	Mehgcalint 120	Mehgcalw 0597	Mehgicvint 0120	Mehgicvw 0597
Exp. Date	1/17/2013	12/24/2012	1/17/2013	12/24/2012
Source	exaxol	exaxol	Inorganic Vent.	Inorganic Vent.

Review Items

	Analyst		2nd Level		
	Yes	No*	Yes	No*	Comments
Documentation					
Analyst performing calibration identified	✓		✓		
Raw data present for all points and ICV	✓		✓		
Instrument identified	✓		✓		
Method on raw data	✓		✓		
Calibration/Instrument Run QC					
Calibration curve passed method criteria	✓		✓		
r2 >0.995	✓		✓		
Linear plots viewed	✓		✓		
Calibration curve passed method criteria	✓				
ICV analyzed at appropriate frequency and within control limits (90-110% -7470&7471; 95-105%-245.1)	✓		✓		
CCV analyzed at appropriate frequency and within control limits (90-110%)	✓		✓		
ICB/CCB analyzed at appropriate frequency and within ±RL	✓		✓		
One standard analyzed at or below RL	✓		✓		
Sample Results					
Reporting limits raised where appropriate (dilutions/moistures)	✓		✓		
All reported results bracketed by in control QC (CCB/CCV)	✓		✓		
Were all samples reported within calibration range	✓		✓		
Preparation/Matrix QC					
LCS performed per batch	✓		✓		
LCS within QC limits	✓		✓		
Method blank performed per batch	✓		✓		
Method blank within ±RL	✓		✓		
MS/MSD performed per batch	✓		✓		
MS/MSD within QC limits	✓		✓		
Other					
Are all nonconformances documented appropriately	✓		✓		
Current MDL data on file	✓		✓		
Calculations checked for errors (1st Level 100 %; 2nd Level 100%)	✓		✓		
Date/time of analysis verified as correct	✓		✓		
Was the calibration curve and the ICV digested with the samples	✓		✓		

*A No response requires a comment

Analyst: SAL RAMOS Date: ~~12/17/12~~ 12/21/12
Analyst Signature: Sal Ramos
2nd Level Review: RWF Date: 12/21/12

End of Form

Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132590 | Analyst: Ramos, Salvador | Batch Open: 12/17/2012 12:18:33PM

Method Code: 660-7471A_Prep-660 | Batch End:

Preparation, Mercury

	Input Sample Lab ID	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments
1	660-1484137	STD1~660-132590/1 N/A	N/A		0.30 g	50 mL	N/A	N/A	N/A	
2	660-1484138	STD2~660-132590/2 N/A	N/A		0.30 g	50 mL	N/A	N/A	N/A	
3	660-1484139	STD3~660-132590/3 N/A	N/A		0.30 g	50 mL	N/A	N/A	N/A	
4	660-1484140	STD4~660-132590/4 N/A	N/A		0.30 g	50 mL	N/A	N/A	N/A	
5	660-1484141	STD5~660-132590/5 N/A	N/A		0.30 g	50 mL	N/A	N/A	N/A	
6	660-1484142	STD6~660-132590/6 N/A	N/A		0.30 g	50 mL	N/A	N/A	N/A	
7	660-1484143	ICV~660-132590/7 N/A	N/A		0.30 g	50 mL	N/A	N/A	N/A	
8	660-1484144	CRA~660-132590/8 N/A	N/A		0.30 g	50 mL	N/A	N/A	N/A	
9	660-1484145	CCV~660-132590/9 N/A	N/A		0.30 g	50 mL	N/A	N/A	N/A	
10	660-1484146	MB~660-132590/10 N/A	N/A		0.30 g	50 mL	N/A	N/A	N/A	
11	660-1484147	LCS~660-132590/11 N/A	N/A		0.30 g	50 mL	N/A	N/A	N/A	
12	660-1484148	680-85785-C-8 (7471A)	N/A	Solid	0.30 g	50 mL	12/24/12	10_Days	N/A	
13	660-1484149	680-85785-C-8~MS (7471A)	N/A	Solid	0.31 g	50 mL	12/24/12	10_Days	N/A	
14	660-1484150	680-85785-C-8~MSD (7471A)	N/A	Solid	0.29 g	50 mL	12/24/12	10_Days	N/A	
15	660-1484151	680-85785-C-10 (7471A)	N/A	Solid	0.31 g	50 mL	12/24/12	10_Days	N/A	

Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132590 Analyst: Ramos, Salvador Batch Open: 12/17/2012 12:18:33PM

Method Code: 660-7471A_Prep-660 Batch End:

16	660-1484152	680-85785-C-15 (7471A)	N/A	Solid	0.32 g	50 mL	12/24/12	10_Days	N/A	
17	660-1484153	680-85785-B-65 (7471A)	N/A	Solid	0.30 g	50 mL	12/24/12	10_Days	N/A	
18	660-1484154	680-85785-B-66 (7471A)	N/A	Solid	0.31 g	50 mL	12/24/12	10_Days	N/A	
19	660-1484155	680-85785-B-67 (7471A)	N/A	Solid	0.31 g	50 mL	12/24/12	10_Days	N/A	
20	660-1484156	680-85785-B-68 (7471A)	N/A	Solid	0.32 g	50 mL	12/24/12	10_Days	N/A	
21	660-1484157	680-85785-B-69 (7471A)	N/A	Solid	0.31 g	50 mL	12/24/12	10_Days	N/A	
22	660-1484158	680-85785-C-29 (7471A)	N/A	Solid	0.30 g	50 mL	12/24/12	10_Days	N/A	
23	660-1484159	680-85785-C-29~MS (7471A)	N/A	Solid	0.31 g	50 mL	12/24/12	10_Days	N/A	
24	660-1484160	680-85785-C-29~MSD (7471A)	N/A	Solid	0.31 g	50 mL	12/24/12	10_Days	N/A	
25	660-1484161	680-85785-C-52 (7471A)	N/A	Solid	0.30 g	50 mL	12/24/12	10_Days	N/A	
26	660-1484162	680-85785-C-52~MS (7471A)	N/A	Solid	0.34 g	50 mL	12/24/12	10_Days	N/A	
27	660-1484163	680-85785-C-52~MSD (7471A)	N/A	Solid	0.31 g	50 mL	12/24/12	10_Days	N/A	

Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132590 | Analyst: Ramos, Salvador | Batch Open: 12/17/2012 12:18:33PM

Method Code: 660-7471A_Prep-660 | Batch End:

Batch Notes

Acid used for pH adjustment	NA
Perform Calculation (0=No, 1=Yes)	0
Nominal Amount Used	NA
SOP Number	NA
Digestion Tube/Cup Lot #	1207143
Hot Block ID number	5
Hood ID or number	3
Balance ID	MET-1
Blank Soil Lot Number	mehgbchips-0004
Lot # of Nitric Acid	MEHNO3-136
ID number of the thermometer	ME-21
Lot # of hydrochloric acid	MEHCL-183
Potassium Permanganate Lot Number	MEHGKMnO4W-125
Sulfuric Acid Lot Number	NA
Hydroxylamine Sulfate Lot Number	NA
Potassium Persulfate Lot Number	NA
Stannous Chloride Lot Number	MEHGSnCL2W-791
Uncorrected Temperature	NA
Oven, Bath or Block Temperature 1	95 C4 R9
Uncorrected Temperature 2	NA

Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132590 | Analyst: Ramos, Salvador | Batch Open: 12/17/2012 12:18:33PM

Method Code: 660-7471A_Prep-660 | Batch End:

Oven, Bath or Block Temperature 2	NA
NaCL Lot #	NA
Repittetor Volume Check	NA
Aqua Regia Lot Number	MEHGAQUAREG-361
Hydroxylamine Hydrochloride Lot	MEHGAMINEW-064
Pipette ID	M-15, M-16, M-19
Filter Lot #	NA
Syringe Lot #	NA
Batch Comment	NA

Comments

Login Comments for Job 85785:

LV2, EDD - PLEASE COMPLETE BY 12TH CALENDAR DAY
LV4, MUST BE COMPLETE IN 14 Calendar days (penalties for late data)!

SDG is in groups of 20 or less.
You may select a **random MS/MSD** if they do not designate:
PLEASE **make sure there is one MS/MSD on their sample per batch**.

Project ongoing Nov 2012 - May 2013

Evidence of Disposal; Original COCs must be sent

Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132590 Analyst: Ramos, Salvador Batch Open: 12/17/2012 12:18:33PM

Method Code: 660-7471A_Prep-660 Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
STD2 660-132590/2	MEHGCALW_00597	0.200 mL	50 mL		
STD3 660-132590/3	MEHGCALW_00597	0.500 mL	50 mL		
STD4 660-132590/4	MEHGCALW_00597	1.00 mL	50 mL		
STD5 660-132590/5	MEHGCALW_00597	5.00 mL	50 mL		
STD6 660-132590/6	MEHGCALW_00597	10.0 mL	50 mL		
ICV 660-132590/7	MEHGICVW_00597	2.50 mL	50 mL		
CRA 660-132590/8	MEHGCALW_00597	0.200 mL	50 mL		
CCV 660-132590/9	MEHGCALW_00597	5.00 mL	50 mL		
LCS 660-132590/11	MEHGICVW_00597	1.00 mL	50 mL		
680-85785-C-8 MS	MEHGICVW_00597	1.00 mL	50 mL		
680-85785-C-8 MSD	MEHGICVW_00597	1.00 mL	50 mL		
680-85785-C-29 MS	MEHGICVW_00597	1.00 mL	50 mL		
680-85785-C-29 MSD	MEHGICVW_00597	1.00 mL	50 mL		
680-85785-C-52 MS	MEHGICVW_00597	1.00 mL	50 mL		
680-85785-C-52 MSD	MEHGICVW_00597	1.00 mL	50 mL		

Metals/Inorganics Prep Worksheet

(Used for Collecting Prep Info)

Batch Number: 660-132590 | Analyst: Ramos, Salvador | Batch Open: 12/17/2012 12:18:33PM

Method Code: 660-7471A_Prep-660 | Batch End:

Other Reagents:

Reagent	Amount/Units	Lot#:

Sample Request Form: 34308

ME-Mercury-prep 12/17/2012 10:38:21 AM Assigned to:

Sample	Client Sample ID	Container	Method	Analytical Method	Hold Time	Due	PM	Storage	Hazard Level
640-41469-15	~~TIRES~~	Already were run 12/10	~~7471A_Prep~~	~~7471A~~	~~12/19 23:59~~	~~12/18/12~~	~~TP~~	TPA ME soil counter	Unconfirmed
640-41469-16	~~TIRE FLUFF~~	Sent 12/17/12	7471A_Prep	~~7471A~~	~~12/19 23:59~~	~~12/18/12~~	~~TP~~	~~TPA ME soil~~ counter	~~Unconfirmed~~
680-85785-8 C	HP0019C-CS	.30	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TAL	Unconfirmed
L LV2, EDD - PLEASE COMPLETE BY 12TH CALENDAR DAY LV4, MUST BE COMPLETE IN 14 Calendar days (penalties for late data)! SDG is in groups of 20 or less. You may select a random MS/MSD if they do not designate: PLEASE make sure there is one MS/MSD on their sample per batch. Project ongoing Nov 2012 - May 2013 Evidence of Disposal; Original COCs must be sent									
680-85785-8MS	HP0019C-CS	2908901 .31	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TAL	Unconfirmed
680-85785-8MSD	HP0019C-CS	2908904 .29	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TAL	Unconfirmed
680-85785-10 C	HP0241A-CS-SP	.31	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & Shared	Unconfirmed
680-85785-15 C	CV0507A-CS-SP	.32	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TAL	Unconfirmed
680-85785-29 C	CV0511AB-CS	.30	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TAL	Unconfirmed
680-85785-29MS	CV0511AB-CS	2908907 .31	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TAL	Unconfirmed
680-85785-29MSD	CV0511AB-CS	2908910 .31	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TAL	Unconfirmed
680-85785-52 C	CV0511S-CS	.30	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TAL	Unconfirmed
680-85785-52MS	CV0511S-CS	2908913 .34	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TAL	Unconfirmed
680-85785-52MSD	CV0511S-CS	2908916 .31	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TAL	Unconfirmed
680-85785-65 B	HP0019C-CS (sieve)	.30	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TPA ME	Unconfirmed
680-85785-66 B	HP0241A-CS-SP (sieve)	.31	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TPA ME	Unconfirmed

Sample Request Form: 34308

ME-Mercury-prep 12/17/2012 10:38:21 AM Assigned to:

Sample	Client Sample ID	Container	Method	Analytical Method	Hold Time	Due	PM	Storage	Hazard Level
680-85785-67 B	CV0507A-CS-SP (sieve)	.31	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TPA ME	Unconfirmed
680-85785-68 B	CV0511AB-GS (sieve)	.32	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TPA ME	Unconfirmed
680-85785-69 B	CV0511S-GS (sieve)	.31	7471A_Prep	7471A	01/09 23:59	12/24/12	LMH	SAV Metals Prep Lab & TPA ME	Unconfirmed

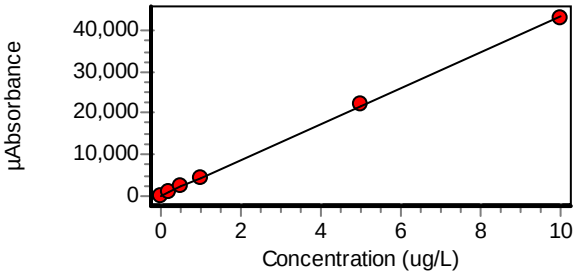
Report Generated By CETAC QuickTrace
Analyst: TAM-HYDRAUSER
Worksheet file: C:\Program Files\QuickTrace\Worksheets\12L17CETAC1.wsz
Date Started: 2/1/2012 10:27:58 AM
Comment:

Results

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD
CAL BLANK				STD	12/17/12 01:33:45 pm	0.000	-22	77.08
Replicates	-8.3	-16.4	-40.4					
Standard 2				STD	12/17/12 01:35:27 pm	0.200	885	1.72
Replicates	892.0	895.9	867.7					
Standard 3				STD	12/17/12 01:37:08 pm	0.500	2190	1.46
Replicates	2178.6	2164.9	2225.9					
Standard 4				STD	12/17/12 01:38:51 pm	1.000	4420	0.58
Replicates	4392.4	4443.7	4422.5					
Standard 5				STD	12/17/12 01:40:34 pm	5.000	22176	1.17
Replicates	22464.8	22102.1	21959.9					
Standard 6				STD	12/17/12 01:42:17 pm	10.000	42956	0.16
Replicates	42969.0	43016.6	42882.2					

Calibration

Equation: A = 102.026 + 4310.912C
R2: 0.99976
SEE: 300.2950
Flags:



1484143 ICV				ICV	12/17/12 01:43:58 pm	2.580	11233	0.80
Replicates	11143.3	11231.7	11323.8					
% Recovery	103.28							
ICB				ICB	12/17/12 01:45:39 pm	-0.023	3	289.83
Replicates	-1.5	12.4	-2.3					

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD
1484144 CRA				CRDL	12/17/12 01:47:20 pm	0.183	891	2.20
Replicates	876.1	912.8	882.6					
% Recovery	91.45							
HIGH STD				OPR	12/17/12 01:49:02 pm	9.890	42743	1.97
Replicates	42514.4	42038.7	43676.5					
% Recovery	98.91							
1484145 CCV				CCV	12/17/12 01:50:44 pm	5.070	21944	0.25
Replicates	21881.2	21966.8	21985.4					
% Recovery	101.34							
CCB				CCB	12/17/12 01:52:25 pm	-0.023	3	258.50
Replicates	9.6	-4.5	3.1					
MB 1484146				MB	12/17/12 01:54:06 pm	-0.022	6	419.26
Replicates	33.9	-10.1	-6.4					
LCS 1484147				LCS	12/17/12 01:55:48 pm	0.980	4325	0.69
Replicates	4295.2	4354.7	4324.5					
% Recovery	97.95							
SD 1484148 @5				UNK	12/17/12 01:57:29 pm	0.025	210	10.08
Replicates	194.2	234.2	202.1					
1484148				UNK	12/17/12 01:59:11 pm	0.284	1326	1.83
Replicates	1318.8	1352.9	1306.0					
1484149 MS				UNK	12/17/12 02:00:53 pm	1.340	5873	0.50
Replicates	5842.2	5900.7	5876.9					
1484150 MSD				UNK	12/17/12 02:02:34 pm	1.270	5588	0.65
Replicates	5563.4	5569.9	5629.3					
1484151				UNK	12/17/12 02:04:16 pm	4.610	19989	1.34
Replicates	19719.8	19992.8	20255.7					
1484152				UNK	12/17/12 02:05:58 pm	0.410	1870	0.76
Replicates	1878.3	1878.0	1853.5					

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD
1484153				UNK	12/17/12 02:07:41 pm	0.336	1551	2.55
Replicates	1505.4	1567.7	1578.7					
1484154				UNK	12/17/12 02:09:24 pm	6.190	26775	0.21
Replicates	26739.4	26838.5	26745.9					
1484145 CCV				CCV	12/17/12 02:11:06 pm	5.000	21651	0.49
Replicates	21530.9	21733.4	21689.7					
% Recovery	99.98							
CCB				CCB	12/17/12 02:12:47 pm	-0.032	-37	47.47
Replicates	-34.5	-20.7	-55.5					
1484155				UNK	12/17/12 02:14:30 pm	0.318	1472	0.08
Replicates	1470.6	1472.9	1472.0					
1484156				UNK	12/17/12 02:16:14 pm	0.701	3122	0.83
Replicates	3096.3	3121.4	3148.3					
1484157				UNK	12/17/12 02:17:55 pm	0.704	3137	0.17
Replicates	3131.8	3136.8	3142.5					
1484158				UNK	12/17/12 02:19:37 pm	0.609	2726	1.86
Replicates	2695.1	2697.9	2784.3					
1484159 MS				UNK	12/17/12 02:21:19 pm	1.610	7050	0.17
Replicates	7043.9	7063.6	7042.9					
1484160 MSD				UNK	12/17/12 02:23:34 pm	1.600	6989	2.76
Replicates	7204.9	6929.0	6833.2					
1484161				UNK	12/17/12 02:25:16 pm	0.614	2749	2.06
Replicates	2813.5	2706.8	2727.5					
1484162 MS				UNK	12/17/12 02:26:58 pm	1.720	7520	0.40
Replicates	7494.0	7513.7	7553.5					

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD
1484163 MSD				UNK	12/17/12 02:28:39 pm	1.680	7327	2.71
Replicates	7099.3	7464.2	7417.5					
TEST 5 ppb				UNK	12/17/12 02:30:22 pm	4.850	21010	0.58
Replicates	21149.0	20951.7	20928.9					
1484145 CCV				CCV	12/17/12 02:32:04 pm	5.020	21761	0.33
Replicates	21679.4	21812.4	21790.1					
% Recovery	100.48							
CCB				CCB	12/17/12 02:33:45 pm	-0.036	-55	25.92
Replicates	-63.3	-38.3	-62.2					
TEST SYRINGE 5ppb				UNK	12/17/12 02:35:28 pm	4.740	20526	0.36
Replicates	20545.5	20587.7	20444.4					
TEST SYRINGE 10ppb				UNK	12/17/12 02:39:33 pm	9.740	42096	0.24
Replicates	42024.2	42210.1	42054.7					
TEST 1.5 ppb				UNK	12/17/12 02:45:11 pm	1.600	7011	0.69
Replicates	7058.4	7013.4	6961.1					

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Batch Number: 260035 Batch Start Date: 12/17/12 12:17 Batch Analyst: Moore, Ron A

Batch Method: 3050B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS lcs1cpi 00030	MS_LCS2_wk 00139	
MB 680-260035/1		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL			
LCS 680-260035/2		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL	1 mL	1 mL	
680-85731-B-21 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL	1 mL	1 mL	
680-85731-B-21 MSD		3050B, 6010C	T	CALC NOT SET TO RUN	1.06 g	100 mL	1 mL	1 mL	
680-85785-A-65	HP0019C-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			
680-85785-A-66	HP0241A-CS-SP (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL			
680-85785-A-67	CV0507A-CS-SP (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL			
680-85785-A-68	CV0511AB-GS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			
680-85785-A-69	CV0511S-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL			

Batch Notes	
Analyst	RM
Balance ID	25
Blank Soil Lot Number	P-TEFONCH-00012
Hydrogen peroxide lot number	51283145
Lot # of hydrochloric acid	0000013500
Lot # of Nitric Acid	L08022
Hood ID or number	FH-8
Hot Block ID number	9
Nominal Amount Used	1.0 g
Oven, Bath or Block Temperature 1	93 Degrees C
Pipette ID	PREP-23
Perform Calculation (0=No, 1=Yes)	0
Temperature	94 Degrees C
ID number of the thermometer	MEPREP_3
Digestion Tube/Cup Lot #	1202052-2130

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Batch Number: 260035 Batch Start Date: 12/17/12 12:17 Batch Analyst: Moore, Ron A

Batch Method: 3050B Batch End Date:

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Batch Number: 260226 Batch Start Date: 12/18/12 15:22 Batch Analyst: Moore, Ron A

Batch Method: 3050B Batch End Date: 12/19/12 14:16

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS lcs1cpi 00030	MS_LCS2_wk 00139	
MB 680-260226/1		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL			
LCS 680-260226/2		3050B, 6010C		CALC NOT SET TO RUN	1.06 g	100 mL	1 mL	1 mL	
680-85785-B-8	HP0019C-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-85785-B-8 MS	HP0019C-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.10 g	100 mL	1 mL	1 mL	
680-85785-B-8 MSD	HP0019C-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL	1 mL	1 mL	
680-85785-B-10	HP0241A-CS-SP	3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	100 mL			
680-85785-B-15	CV0507A-CS-SP	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			
680-85785-B-29	CV0511AB-GS	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-85785-B-29 MS	CV0511AB-GS	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	100 mL	1 mL	1 mL	
680-85785-B-29 MSD	CV0511AB-GS	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	100 mL	1 mL	1 mL	
680-85785-B-52	CV0511S-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL			
680-85785-B-52 MS	CV0511S-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	100 mL	1 mL	1 mL	
680-85785-B-52 MSD	CV0511S-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL	1 mL	1 mL	

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Batch Number: 260226 Batch Start Date: 12/18/12 15:22 Batch Analyst: Moore, Ron A

Batch Method: 3050B Batch End Date: 12/19/12 14:16

Batch Notes	
Analyst	RM
Balance ID	25
Blank Soil Lot Number	P-TEFONCH-00012
Hydrogen peroxide lot number	51283145
Lot # of hydrochloric acid	0000013500
Lot # of Nitric Acid	L08022
Hood ID or number	FH-8
Hot Block ID number	9
Nominal Amount Used	1.0 g
Oven, Bath or Block Temperature 1	93 Degrees C
Pipette ID	PREP-23
Perform Calculation (0=No, 1=Yes)	0
Temperature	94 Degrees C
ID number of the thermometer	MEPREP_3
Digestion Tube/Cup Lot #	1202052-2130

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-85785-5

SDG No.: 68085785-5

Batch Number: 132590 Batch Start Date: 12/17/12 12:18 Batch Analyst: Ramos, Salvador

Batch Method: 7471A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MEHGCALW 00597	MEHGICVW 00597		
ICV 660-132590/7		7471A, 7471A		0.30 g	50 mL		2.5 mL		
CRA 660-132590/8		7471A, 7471A		0.30 g	50 mL	0.2 mL			
CCV 660-132590/9		7471A, 7471A		0.30 g	50 mL	5 mL			
MB 660-132590/10		7471A, 7471A		0.30 g	50 mL				
LCS 660-132590/11		7471A, 7471A		0.30 g	50 mL		1 mL		
680-85785-C-8	HP0019C-CS	7471A, 7471A	T	0.30 g	50 mL				
680-85785-C-8 MS	HP0019C-CS	7471A, 7471A	T	0.31 g	50 mL		1 mL		
680-85785-C-8 MSD	HP0019C-CS	7471A, 7471A	T	0.29 g	50 mL		1 mL		
680-85785-C-10	HP0241A-CS-SP	7471A, 7471A	T	0.31 g	50 mL				
680-85785-C-15	CV0507A-CS-SP	7471A, 7471A	T	0.32 g	50 mL				
680-85785-B-65	HP0019C-CS (sieve)	7471A, 7471A	T	0.30 g	50 mL				
680-85785-B-66	HP0241A-CS-SP (sieve)	7471A, 7471A	T	0.31 g	50 mL				
680-85785-B-67	CV0507A-CS-SP (sieve)	7471A, 7471A	T	0.31 g	50 mL				
680-85785-B-68	CV0511AB-GS (sieve)	7471A, 7471A	T	0.32 g	50 mL				
680-85785-B-69	CV0511S-CS (sieve)	7471A, 7471A	T	0.31 g	50 mL				
680-85785-C-29	CV0511AB-GS	7471A, 7471A	T	0.30 g	50 mL				
680-85785-C-29 MS	CV0511AB-GS	7471A, 7471A	T	0.31 g	50 mL		1 mL		
680-85785-C-29 MSD	CV0511AB-GS	7471A, 7471A	T	0.31 g	50 mL		1 mL		
680-85785-C-52	CV0511S-CS	7471A, 7471A	T	0.30 g	50 mL				
680-85785-C-52 MS	CV0511S-CS	7471A, 7471A	T	0.34 g	50 mL		1 mL		
680-85785-C-52 MSD	CV0511S-CS	7471A, 7471A	T	0.31 g	50 mL		1 mL		

METALS BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-85785-5

SDG No.: 68085785-5

Batch Number: 132590 Batch Start Date: 12/17/12 12:18 Batch Analyst: Ramos, Salvador

Batch Method: 7471A Batch End Date:

Batch Notes	
Hydroxylamine Hydrochloride Lot	MEHGAMINEW-064
Aqua Regia Lot Number	MEHGAQUAREG-361
Balance ID	MET-1
Blank Soil Lot Number	mehgbchips-0004
Lot # of hydrochloric acid	MEHCL-183
Lot # of Nitric Acid	MEHNO3-136
Hood ID or number	3
Hot Block ID number	5
Potassium Permanganate Lot Number	MEHGKMnO4W-125
Oven, Bath or Block Temperature 1	95 C4 R9
Pipette ID	M-15, M-16, M-19
Stannous Chloride Lot Number	MEHGSnCL2W-791
ID number of the thermometer	ME-21
Digestion Tube/Cup Lot #	1207143

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-85785-5

SDG No.: 68085785-5

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
HP0019C-CS	680-85785-8
HP0019C-CS (sieve)	680-85785-65

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: HP0019C-CS
Lab Sample ID: 680-85785-8
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:12
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 78.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium, hexavalent	12	12	3.7	mg/Kg	U		10	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: HP0019C-CS (sieve)
Lab Sample ID: 680-85785-65
Lab Name: TestAmerica Savannah
Job No.: 680-85785-5
SDG ID.: 68085785-5
Matrix: Solid
Date Sampled: 12/12/2012 11:12
Reporting Basis: DRY
Date Received: 12/14/2012 11:51
% Solids: 87.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium, hexavalent	1.1	1.1	0.33	mg/Kg	U		1	7196A

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Analyst: JNC Batch Start Date: 12/20/2012

Reporting Units: mg/L Analytical Batch No.: 260599

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	16:25	Chromium, hexavalent	0.197	0.200	98	90-110		CR6 LCS_00101
2	CCB	16:25	Chromium, hexavalent	0.010				U	
13	CCV	16:26	Chromium, hexavalent	0.190	0.200	95	90-110		CR6 LCS_00101
14	CCB	16:26	Chromium, hexavalent	0.010				U	
19	CCV	16:30	Chromium, hexavalent	0.197	0.200	99	90-110		CR6 LCS_00101
20	CCB	16:30	Chromium, hexavalent	0.010				U	
21	CCV	17:01	Chromium, hexavalent	0.197	0.200	99	90-110		CR6 LCS_00101
22	CCB	17:01	Chromium, hexavalent	0.010				U	
30	CCV	17:03	Chromium, hexavalent	0.199	0.200	99	90-110		CR6 LCS_00101
31	CCB	17:03	Chromium, hexavalent	0.010				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 260599	Date: 12/20/2012 16:25	Prep Batch: 260415	Date: 12/19/2012 15:14				
7196A	MB 680-260415/1-A	Chromium, hexavalent	0.93	U	mg/Kg	0.93	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 260599	Date: 12/20/2012 16:26		Prep Batch: 260415			Date: 12/19/2012 15:14					
7196A	680-85785-8	Chromium, hexavalent	12	U	mg/Kg						
7196A	680-85785-8 MS	Chromium, hexavalent	1.2	U	mg/Kg	2120	0	80-120			F

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 V-IN

5-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 260599	Date: 12/20/2012 17:01		Prep Batch: 260415			Date: 12/19/2012 15:14					
7196A	680-85785-8	Chromium, hexavalent	12	U	mg/Kg						
7196A	680-85785-8 PDS	Chromium, hexavalent	229		mg/Kg	249	92				

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 V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 260599	Date: 12/20/2012 17:02		Prep Batch: 260415	Date: 12/19/2012 15:14				
7196A		680-85731-B-21-J	Chromium, hexavalent	120	mg/Kg			U
7196A		680-85731-B-21-J DU	Chromium, hexavalent	130	mg/Kg	NC	30	U

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 260599		Date: 12/20/2012 16:25	Prep Batch: 260415			Date: 12/19/2012 15:14					
						LCS Source: Cr6spkMS_00024					
7196A	LCS 680-260415/2-A	Chromium, hexavalent	16.9		mg/Kg	20.0	84	80-120			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-85785-5

SDG Number: 68085785-5

Matrix: Solid Instrument ID: KONELAB2

Method: 7196A MDL Date: 06/02/2009 00:00

Prep Method: 3060A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Chromium, hexavalent		1	0.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-85785-5

SDG Number: 68085785-5

Matrix: Solid Instrument ID: KONELAB2

Method: 7196A XMDL Date: 01/01/2011 08:37

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chromium, hexavalent		0.01	0.003

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Prep Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-260415/1-A	12/19/2012 15:14	260415	1.07		100
LCS 680-260415/2-A	12/19/2012 15:14	260415	1.00		100
680-85731-B-21-J DU	12/19/2012 15:14	260415	1.00		100
680-85785-65	12/19/2012 15:14	260415	1.05		100
680-85785-8	12/19/2012 15:14	260415	1.02		100
680-85785-8 MS	12/19/2012 15:14	260415	1.07		100

FORM XII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Instrument ID: KONELAB2 Method: 7196A

Start Date: 12/20/2012 16:25 End Date: 12/20/2012 17:03

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
CCV 680-260599/1	1		16:25	X																			
CCB 680-260599/2	1		16:25	X																			
MB 680-260415/1-A	1	T	16:25	X																			
LCS 680-260415/2-A	1	T	16:25	X																			
680-85785-65	1	T	16:25	X																			
ZZZZZZ			16:25																				
ZZZZZZ			16:25																				
ZZZZZZ			16:25																				
ZZZZZZ			16:25																				
ZZZZZZ			16:25																				
ZZZZZZ			16:25																				
ZZZZZZ			16:25																				
CCV 680-260599/13	1		16:26	X																			
CCB 680-260599/14	1		16:26	X																			
680-85785-8 MS	1	T	16:26	X																			
ZZZZZZ			16:29																				
ZZZZZZ			16:29																				
ZZZZZZ			16:29																				
CCV 680-260599/19	1		16:30	X																			
CCB 680-260599/20	1		16:30	X																			
CCV 680-260599/21	1		17:01	X																			
CCB 680-260599/22	1		17:01	X																			
ZZZZZZ			17:01																				
ZZZZZZ			17:01																				
680-85785-8	10	T	17:01	X																			
680-85785-8 PDS	10	T	17:01	X																			
ZZZZZZ			17:01																				
ZZZZZZ			17:02																				
680-85731-B-21-J DU	100	T	17:02	X																			
CCV 680-260599/30	1		17:03	X																			
CCB 680-260599/31	1		17:03	X																			

Prep Types
T = Total/NA

TestAmerica Savannah
Konelab 2

Date : 2012-12-20
Time : 19.13

Test CR+6
Unit mg/l

Sample ID:	Result	Dilut	Date and Time	Note
CR6-CCV	0.19667		2012-12-20 16.25	
CR6-CCB	0.00053		2012-12-20 16.25	
MB 260415/1-A	0.00027		2012-12-20 16.25	R
LCS 260415/2-A	0.16896		2012-12-20 16.25	R
85785A65C	-0.00123		2012-12-20 16.25	R
85860A64C	-0.00781		2012-12-20 16.25	R
85860B73C	-0.00348		2012-12-20 16.25	R
85706C1C	-0.00013		2012-12-20 16.25	R
85706B2C	-0.00003		2012-12-20 16.25	R
85706C3C	-0.00070		2012-12-20 16.25	R
85731B21K MS	-0.00183		2012-12-20 16.25	
85860B5H MS	0.00473		2012-12-20 16.25	
CR6-CCV	0.19031		2012-12-20 16.26	
CR6-CCB	0.00096		2012-12-20 16.26	
85785B8H MS	0.00239		2012-12-20 16.26	
85731B21L MS	7.32968	1+39.0	2012-12-20 16.29	R
85860B5I MS	6.96955	1+39.0	2012-12-20 16.29	R
85785B8I MS	12.16995	1+39.0	2012-12-20 16.29	R
CR6-CCV	0.19738		2012-12-20 16.30	
CR6-CCB	0.00035		2012-12-20 16.30	
CR6-CCV	0.19750		2012-12-20 17.01	
CR6-CCB	0.00044		2012-12-20 17.01	
85860B5G 10	-0.00765		2012-12-20 17.01	
85860B5G PDS 10	1.70459		2012-12-20 17.01	
85785B8G 10	-0.00066		2012-12-20 17.01	
85785B8G PDS 10	1.84080		2012-12-20 17.01	
85731B21I 100	-0.00664		2012-12-20 17.02	
85731B21I PDS100	19.50273		2012-12-20 17.02	
85731B21J DU 100	0.03087		2012-12-20 17.02	
CR6-CCV	0.19882		2012-12-20 17.03	
CR6-CCB	0.00058		2012-12-20 17.03	

TestAmerica Savannah
Konelab 2

20.12.2012 19:13

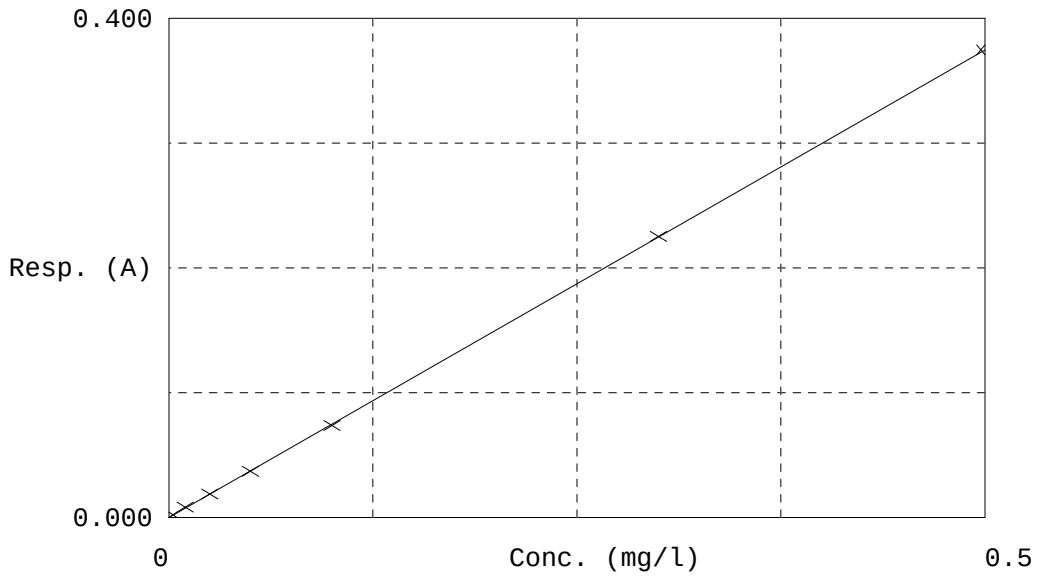
Test CR+6

Accepted 01.10.2012 11:49

Factor 1.335
Bias 0

Coeff. of det. 0.999978

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CR6-0	0.000	0.000404	0.000000	
2	CR6-2	0.008	0.011144	0.010000	
3	CR6-3	0.019	0.025086	0.025000	
4	CR6-4	0.037	0.049374	0.050000	
5	CR6-5	0.074	0.098431	0.100000	
6	CR6-6	0.225	0.300532	0.300000	
7	CR6-7	0.375	0.500030	0.500000	

TestAmerica Savannah
Konelab 2

20.12.2012 19:14

Test: CR+6

Sample Id	Result	Dil. 1 +	Response	Errors
CR6-CCV	0.16783	0.0	0.126	Rule 1 violated
CR6-CCB	0.00104	0.0	0.001	Test limit low, Blank res
MB 260415/1-A	0.00026	0.0	0.000	Test limit low, Blank res
LCS 260415/2-A	0.17072	0.0	0.128	Blank resp. low
85731B21I	-0.01614	0.0	-0.012	Test limit low
85860A64C	-0.01004	0.0	-0.007	Test limit low
85860B73C	-0.00364	0.0	-0.003	Test limit low
85785B8G	-0.00140	0.0	-0.001	Test limit low
85785B8G PDS	0.08002	0.0	0.060	
85706C1C	0.00010	0.0	0.000	Test limit low
85706B2C	-0.00030	0.0	-0.000	Test limit low
85706C3C	-0.00112	0.0	-0.001	Test limit low
CR6-CCV	0.17493	0.0	0.131	Blank resp. low, Rule 1 v
CR6-CCB	0.00042	0.0	0.000	Test limit low, Blank res
85731B21I PDS	-0.01353	0.0	-0.010	Test limit low
85731B21J DU	-0.00533	0.0	-0.004	Test limit low
85785A65C	-0.00331	0.0	-0.002	Test limit low
85860B5G	-0.00527	0.0	-0.004	Test limit low
85860B5G PDS	0.01072	0.0	0.008	
85731B21K MS	-0.00403	1.0	-0.001	Test limit low
85731B21L MS	7.68070	39.0	0.144	Test limit high
85785B8H MS	0.01483	1.0	0.006	
85785B8I MS	12.38764	39.0	0.232	Test limit high
CR6-CCV	0.17739	0.0	0.133	Rule 1 violated
CR6-CCB	0.00024	0.0	0.000	Test limit low, Blank res
85860B5H MS	0.01120	1.0	0.004	
85860B5I MS	7.39234	39.0	0.139	Test limit high
CR6-CCV	0.17608	0.0	0.132	Blank resp. low, Rule 1 v
CR6-CCB	-0.00028	0.0	-0.000	Test limit low, Blank res
CR6-CCV	0.19667	0.0	0.147	Blank resp. low
CR6-CCB	0.00053	0.0	0.001	Test limit low, Blank res
MB 260415/1-A	0.00027	0.0	0.000	Test limit low, Blank res
LCS 260415/2-A	0.16896	0.0	0.127	Blank resp. low
85785A65C	-0.00123	0.0	-0.001	Test limit low
85860A64C	-0.00781	0.0	-0.006	Test limit low
85860B73C	-0.00348	0.0	-0.002	Test limit low
85706C1C	-0.00013	0.0	0.000	Test limit low
85706B2C	-0.00003	0.0	0.000	Test limit low
85706C3C	-0.00070	0.0	-0.000	Test limit low
85731B21K MS	-0.00183	0.0	-0.001	Test limit low
85860B5H MS	0.00473	0.0	0.004	
CR6-CCV	0.19031	0.0	0.143	Blank resp. low
CR6-CCB	0.00096	0.0	0.001	Test limit low, Blank res
85785B8H MS	0.00239	0.0	0.002	Test limit low
85731B21L MS	7.32968	39.0	0.137	Test limit high
85860B5I MS	6.96955	39.0	0.131	Test limit high
85785B8I MS	12.16995	39.0	0.228	Test limit high, Blank re
CR6-CCV	0.19738	0.0	0.148	Blank resp. low
CR6-CCB	0.00035	0.0	0.000	Test limit low, Blank res
CR6-CCV	0.19750	0.0	0.148	Blank resp. low
CR6-CCB	0.00044	0.0	0.000	Test limit low, Blank res
85731B21I 10	-0.02089	0.0	-0.001	Test limit low
85731B21I PDS 10	1.47424	0.0	0.111	
85731B21J DU 10	-0.01786	0.0	-0.001	Test limit low
85860B5G 10	-0.00765	0.0	-0.000	Test limit low
85860B5G PDS 10	1.70459	0.0	0.128	
85785B8G 10	-0.00066	0.0	0.000	Test limit low
85785B8G PDS 10	1.84080	0.0	0.138	
85731B21I 100	-0.00664	0.0	0.000	Test limit low, Blank res
85731B21I PDS100	19.50273	0.0	0.146	
85731B21J DU 100	0.03087	0.0	0.000	Test limit low, Blank res
CR6-CCV	0.19882	0.0	0.149	Blank resp. low

TestAmerica Savannah
Konelab 2

20.12.2012 19:14

Test: CR+6

Sample Id	Result	Dil. 1 +	Response	Errors
CR6-CCB	0.00058	0.0	0.001	Test limit low, Blank res
85860B5G 100	0.00439	0.0	0.000	Test limit low, Blank res
85860B5G PDS 100	19.35901	0.0	0.145	Blank resp. low
85785B8G 100	0.04404	0.0	0.000	Test limit low, Blank res
85785B8G PDS 100	19.75099	0.0	0.148	Blank resp. low
CR6-CCV	0.19766	0.0	0.148	Blank resp. low
CR6-CCB	-0.00004	0.0	0.000	Test limit low, Blank res

N	49
Mean	2.40761
SD	5.375938
CV%	223.29

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Batch Number: 260415 Batch Start Date: 12/19/12 15:14 Batch Analyst: Moore, Ron A

Batch Method: 3060A Batch End Date: 12/20/12 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	CR+6PHBUFF 00015	Cr6spkMS 00024
MB 680-260415/1		3060A, 7196A		1.07 g	100 mL	12.88 SU	7.11 SU	0.5 mL	
LCS 680-260415/2		3060A, 7196A		1.00 g	100 mL	12.80 SU	7.38 SU	0.5 mL	0.2 mL
680-85731-B-21 DU		3060A, 7196A	T	1.00 g	100 mL	12.85 SU	7.39 SU	0.5 mL	
680-85785-A-65	HP0019C-CS (sieve)	3060A, 7196A	T	1.05 g	100 mL	12.86 SU	7.64 SU	0.5 mL	
680-85785-B-8	HP0019C-CS	3060A, 7196A	T	1.02 g	100 mL	12.81 SU	7.15 SU	0.5 mL	
680-85785-B-8 MS	HP0019C-CS	3060A, 7196A	T	1.07 g	100 mL	12.82 SU	7.94 SU	0.5 mL	1 mL
680-85785-B-8 MS	HP0019C-CS	3060A, 7196A	T	1.05 g	100 mL	12.73 SU	7.40 SU	0.5 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	PbCrO4powder 00001					
MB 680-260415/1		3060A, 7196A							
LCS 680-260415/2		3060A, 7196A							
680-85731-B-21 DU		3060A, 7196A	T						
680-85785-A-65	HP0019C-CS (sieve)	3060A, 7196A	T						
680-85785-B-8	HP0019C-CS	3060A, 7196A	T						
680-85785-B-8 MS	HP0019C-CS	3060A, 7196A	T	10.5 mg					
680-85785-B-8 MS	HP0019C-CS	3060A, 7196A	T						

Batch Notes	
Potassium Chromate Lot #	2620193
Lead Chromate Lot #	JA11323CO
Lead Chromate Vendor ID	aldrich
Pipette ID	PREP-23
Telfon Chips Lot #	2021820
Ending Temperature	95 Celsius
Starting Temperature	95 Celsius

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Batch Number: 260415 Batch Start Date: 12/19/12 15:14 Batch Analyst: Moore, Ron A

Batch Method: 3060A Batch End Date: 12/20/12 11:45

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Batch Number: 260599 Batch Start Date: 12/20/12 16:25 Batch Analyst: Cameron, Jeremiah N

Batch Method: 7196A Batch End Date: 12/20/12 17:03

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	Cr6 Cal Stock 00004	CR6 LCS 00101	
CCV 680-260599/1		7196A		2.0 mL	2.0 mL	Color Resp. is Blank		2 mL	
CCB 680-260599/2		7196A		2.0 mL	2.0 mL	Color Resp. is Blank			
MB 680-260415/1-A		7196A		2.0 mL	2.0 mL	Color Resp. is Blank			
LCS 680-260415/2-A		7196A		2.0 mL	2.0 mL	Color Resp. is Blank			
680-85785-A-65-C	HP0019C-CS (sieve)	7196A	T	2.0 mL	2.0 mL	Color Resp. is Blank			
CCV 680-260599/13		7196A		2.0 mL	2.0 mL	Color Resp. is Blank		2 mL	
CCB 680-260599/14		7196A		2.0 mL	2.0 mL	Color Resp. is Blank			
680-85785-B-8-H MS	HP0019C-CS	7196A	T	2.0 mL	2.0 mL	Color Resp. is Blank			
680-85785-B-8-I MS	HP0019C-CS	7196A	T	2.0 mL	2.0 mL	Color Resp. is Blank			
CCV 680-260599/19		7196A		2.0 mL	2.0 mL	Color Resp. is Blank		2 mL	
CCB 680-260599/20		7196A		2.0 mL	2.0 mL	Color Resp. is Blank			
CCV 680-260599/21		7196A		2.0 mL	2.0 mL	Color Resp. is Blank		2 mL	
CCB 680-260599/22		7196A		2.0 mL	2.0 mL	Color Resp. is Blank			
680-85785-B-8-G	HP0019C-CS	7196A	T	2.0 mL	2.0 mL	Color Resp. is Blank			
680-85785-B-8-G PDS	HP0019C-CS	7196A	T	10 mL	10 mL	Color Resp. is Blank	0.2 mL		
680-85731-B-21-J DU		7196A	T	2.0 mL	2.0 mL	Color Resp. is Blank			
CCV 680-260599/30		7196A		2.0 mL	2.0 mL	Color Resp. is Blank		2 mL	
CCB 680-260599/31		7196A		2.0 mL	2.0 mL	Color Resp. is Blank			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-85785-5

SDG No.: 68085785-5

Batch Number: 260599 Batch Start Date: 12/20/12 16:25 Batch Analyst: Cameron, Jeremiah N

Batch Method: 7196A Batch End Date: 12/20/12 17:03

Batch Notes	
Batch Comment	dilution 260646
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID Number	cr6 reagent 00044
First End time	12/20/12 17:03
pH Range	1.5-2.5
Pipette ID	ge inst 1
First Start time	12/20/12 16:25

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Serial Number 62726

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: 35th Ave Removal	PROJECT NO.	PROJECT LOCATION (STATE): AL
TAL (LAB) PROJECT MANAGER: Lisa Harvey	P.O. NUMBER: 2005148-1356	CONTRACT NO.
CLIENT (SITE) PM: Russell Henderson	CLIENT PHONE: 678-355-5550	CLIENT FAX
CLIENT NAME: OTIE	CLIENT E-MAIL	
CLIENT ADDRESS: 1220 Kennestone Circle Suite 106 Marietta, GA		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 6

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	1L PAH	RCRA 8	Chromium VI								REMARKS
								PRESERVATIVE										
								NUMBER OF CONTAINERS SUBMITTED										
12-12-12	0554	CV 0446A - CS - SP			X			X										Due within 14 days
	0903	CV 0446B - CS - SP			X			X										
	1024	HP0306A - CS - SP			X			X										
	1013	HP0306B - CS - SP			X			X										
	1004	HP0306C - CS - SP			X			X										
	1101	HP0019A - CS			X			X										
	1105	HP0019B - CS			X			X										
	1112	HP0019C - CS			X			X	X	X								
	1123	HP0019D - CS			X			X										
	1139	HP0241A - CS - SP			X			X	X									
	1117	HP0241B - CS - SP			X			X										
	1122	HP0241C - CS - SP			X			X										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12/13/12	1630						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	12/14/12	0930	YES ○ NO ○		680-55795	5.2°/5.6°

TAL8240-680 (1008)

Serial Number 62727

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: 35th Ave Removal	PROJECT NO.	PROJECT LOCATION (STATE): AL	PAGE 2 OF 6
TAL (LAB) PROJECT MANAGER: Lisa Harvey	P.O. NUMBER: 2005 148-1356	CONTRACT NO.	STANDARD REPORT DELIVERY ○ DATE DUE ____
CLIENT (SITE) PM: Russell Henderson	CLIENT PHONE: 678-355-5550	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE ____
CLIENT NAME: OTIE	CLIENT E-MAIL		
CLIENT ADDRESS: 1220 Kennestone Circle Suite 106 Marietta, GA			
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH	PCB	RCRA 8								REMARKS
			MATRIX TYPE					REQUIRED ANALYSIS										
								PRESERVATIVE										
								NUMBER OF CONTAINERS SUBMITTED										
12-12-12	1141	HP0241D-CS-SP			X			X										Due within 14 days
	1135	HP0241E-CS-SP			X			X										
	1000	CV0507A-CS-SP			X			X		X								
	1011	CV0507B-CS-SP			X			X										
	0912	CV0109A-CS-SP			X			X										
	1359	CV0223A-CS-SP			X			X										
	1347	CV0223B-CS-SP			X			X										
	1518	CV0703A-CS-SP			X			X										
	1516	CV0703B-CS-SP			X			X										
	1435	CV0705A-CS-SP			X			X										
	1446	CV0705B-CS-SP			X			X										
	1456	CV0705C-GS			X			X	X									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Nick Sen	12/13/12	1630						
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
	12/14/12	0930	YES ○ NO ○		55785	5.2°C / 5.6

12/26/2012

TAL8240-680 (1008)

Serial Number 62728

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: 35th Ave Removal	PROJECT NO.	PROJECT LOCATION (STATE): AL	PAGE 3 OF 6
TAL (LAB) PROJECT MANAGER: Lisa Harvey	P.O. NUMBER: 2005148-1356	CONTRACT NO.	STANDARD REPORT DELIVERY ○ DATE DUE ____
CLIENT (SITE) PM: Russell Henderson	CLIENT PHONE: 678-355-5530	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE ____
CLIENT NAME: OTIE	CLIENT E-MAIL		
CLIENT ADDRESS: 1220 Kennestone Circle, Suite 106 Marietta, GA			
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 4 PAH; RCRA 8

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	4 PAH	RCRA 8									REMARKS
12-12-12	1342	HP0179A-CS-SP	C		X			X										Due within 14 days
	1358	HP0179B-CS-SP	C		X			X										
	1312	HP0294A-CS-SP	C		X			X										
	1304	HP0294B-CS-SP	C		X			X										
	1134	CV0511AB-GS	G		X			X	X									
	1000	CV0511A-CS	C		X			X										
	1000	CV0511A-CSD	C		X			X										
	1005	CV0511B-CS	C		X			X										
	1005	CV0511B-CSD	C		X			X										
	1010	CV0511C-CS	C		X			X										
	1010	CV0511C-CSD	C		X			X										
	1020	CV0511D-CS	C		X			X										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Nick Sen	12/13/12	1630						
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
[illegible]	12/14/12	0930	YES ○ NO ○		55795	5.2° / 5.6°

TAL8240-680 (1008)

Serial Number 62729

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

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Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: 35th Ave Removal	PROJECT NO.	PROJECT LOCATION (STATE): AL	PAGE 4 OF 6
TAL (LAB) PROJECT MANAGER: Lisa Harvey	P.O. NUMBER: 2005148-1356	CONTRACT NO.	STANDARD REPORT DELIVERY ○ DATE DUE ____
CLIENT (SITE) PM: Russell Henderson	CLIENT PHONE: 678-355-5550	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE ____
CLIENT NAME: OTIE	CLIENT E-MAIL		
CLIENT ADDRESS: 1220 Kennestone Circle Suite 106 Marietta GA			
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: 6-PAH

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12-12-12	1020	CV0511D-CSD	C		X			X	Due within 14 days
	1025	CV0511E-CS	C		X			X	
	1035	CV0511F-CS	C		X			X	
	1040	CV0511G-CS	C		X			X	
	1045	CV0511H-CS	C		X			X	
	1100	CV0511I-CS	C		X			X	
	1105	CV0511J-CS	C		X			X	
	1107	CV0511K-CS	C		X			X	
	1117	CV0511L-CS	C		X			X	
	1130	CV0511M-CS	C		X			X	
	1132	CV0511N-CS	C		X			X	
	1154	CV0511O-CS	C		X			X	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Nick Sc	12/13/12	1630						
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
	12/14/12	0930	YES ○ NO ○		680-85785	5.2°/5.6°

TAL8240-680 (1008)

12/26/2012

Serial Number 62730

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

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Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: 35th Ave Removal	PROJECT NO.	PROJECT LOCATION (STATE): AL	PAGE 5 OF 6
TAL (LAB) PROJECT MANAGER: Lisa Harvey	P.O. NUMBER: 2005718-1356	CONTRACT NO.	STANDARD REPORT DELIVERY ○ DATE DUE ____
CLIENT (SITE) PM: Russell Henderson	CLIENT PHONE: 678-355-5330	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE ____
CLIENT NAME: OTIE	CLIENT E-MAIL		
CLIENT ADDRESS: 1220 Kennestone Circle Suite 106 Marietta GA			
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE (INDICATE): COMPOSITE (C) OR GRAB (G); AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: LL PAH; RCRA 8

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH	RCRA 8									REMARKS
12/12/12	1350	CV0511P-CS	C		X			X										Due within 14 days
	1355	CV0511Q-CS	C		X			X										
	1407	CV0511R-CS	C		X			X										
	1400	CV0511S-CS	C		X			X	X									
	1424	CV0511T-CS	C		X			X										
	1428	CV0511U-CS	C		X			X										
	1440	CV0511V-CS	C		X			X										
	1445	CV0511W-CS	C		X			X										
	1455	CV0511X-CS	C		X			X										
	1500	CV0511Y-CS	C		X			X										
	1515	CV0511Z-CS	C		X			X										
	1520	CV0511AA-CS	C		X			X										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12/13/12	1630						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	12/14/12	0930	YES ○ NO ○		680 - 85785	5.2°C / 5.6

12/26/2012

TAL8240-680 (1008)

Serial Number 62731 .

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

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Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: 35th Ave Removal	PROJECT NO.	PROJECT LOCATION (STATE): AL	PAGE 6 OF 6
TAL (LAB) PROJECT MANAGER: Lisa Haney	P.O. NUMBER: 2005148-1356	CONTRACT NO.	STANDARD REPORT DELIVERY ○ DATE DUE ____
CLIENT (SITE) PM: Russell Henderson	CLIENT PHONE: 678-355-5550	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE ____
CLIENT NAME: OTIE	CLIENT E-MAIL		
CLIENT ADDRESS: 1220 Kennestone Circle Suite 106 Marietta, GA			
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: LL PAH; RCRA 8; CR VI

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH	RCRA 8	CR VI	REMARKS
12/12/12	1524	CV0511BB-CS	C		X			X			Due within 14 days
	1525	CV0511CC-CS	C		X			X			
	1550	CV0511DD-CS	C		X			X			
	1555	CV0511EE-CS	C		X			X			
12/12/12	1112	HP0019C-CS (SIEVE) BD 12/18/12			X				X	X	
	1139	HP0241A-CS-SP (SIEVE) BD 12-18-12			X				X		
	1000	CV0507A-CS-SP (SIEVE) BD 12-18-12			X				X		
	1124	CV0511AB-CS (SIEVE) BD 12-18-12			X				X		
	1400	CV0511S-CS (SIEVE) BD 12-18-12			X				X		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Nick Sam	12/13/12	1630						
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
[illegible]	12/14/12	0930	YES ○ NO ○		G SD 85785	5.2°/5.6°

12/26/2012

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85785-5
SDG Number: 68085785-5

Login Number: 85785
List Number: 1
Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Sieved samples not listed on the COC
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-85785-5
SDG Number: 68085785-5

Login Number: 85785
List Number: 1
Creator: Edwards, Erricka

List Source: TestAmerica Tampa
List Creation: 12/15/12 11:20 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	