

ANALYTICAL REPORT

Job Number: 460-32010-1

Job Description: GM Wilmington

For:

Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304
Attention: Ms. Sue Scrocchi

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cc: Mr. Greg Carli

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CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: GM Wilmington

Report Number: 460-32010-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

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 10/03/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.7 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TOTAL METALS

Sample 460-32010-5 was analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 10/07/2011 and analyzed on 10/12/2011.

Copper was detected in method blank MB 460-88751/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Iron and Manganese failed the recovery criteria low for the MS of sample 460-31913-2 in batch 460-89072. Aluminum and Chromium failed the recovery criteria high.

The matrix spike (MS) recoveries for chromium, manganese in batch 88751 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

Sample 460-32010-5(4X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

As a standard practice all soil samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 2X-4X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Sample 460-32010-5 was analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 10/07/2011.

Mercury failed the recovery criteria high for the MS of sample 460-31914-14 in batch 460-88757. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the mercury analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Sample 460-32010-5 was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 10/07/2011 and analyzed on 10/12/2011.

DCB Decachlorobiphenyl, Tetrachloro-m-xylene and Tetrachloro-m-xylene failed the surrogate recovery criteria low for 460-32001-A-7-B DU. Refer to the QC report for details.

Endrin aldehyde and Endrin ketone failed the recovery criteria low for the MS of sample 460-32001-7 in batch 460-88757.

Refer to the QC report for details.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample 460-32010-5 was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared and analyzed on 10/11/2011.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 88999 were outside control limits due to the presence of aroclor 1248 in the sample. . The associated laboratory control sample (LCS) recovery met acceptance criteria.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples 460-32010-1 through 460-32010-12 were analyzed for percent solids in accordance with ASTM D2974-87 Modified. The samples were analyzed on 10/06/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

Organic Prep

No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-32010-1	SO-17338-092811-MM-087	Solid	09/28/2011 0945	10/03/2011 1830
460-32010-2	SO-17338-092811-MM-088	Solid	09/28/2011 1000	10/03/2011 1830
460-32010-3	SO-17338-092811-MM-089	Solid	09/28/2011 1025	10/03/2011 1830
460-32010-4	SO-17338-092811-MM-090	Solid	09/28/2011 1105	10/03/2011 1830
460-32010-5	SO-17338-092811-MM-091	Solid	09/28/2011 1140	10/03/2011 1830
460-32010-6	SO-17338-092811-MM-092	Solid	09/28/2011 1250	10/03/2011 1830
460-32010-7	SO-17338-092811-MM-093	Solid	09/28/2011 1215	10/03/2011 1830
460-32010-8	SO-17338-092811-MM-094	Solid	09/28/2011 1315	10/03/2011 1830
460-32010-9	SO-17338-092811-MM-095	Solid	09/28/2011 1400	10/03/2011 1830
460-32010-10	SO-17338-092811-MM-096	Solid	09/28/2011 1450	10/03/2011 1830
460-32010-11	SO-17338-092811-MM-097	Solid	09/28/2011 1500	10/03/2011 1830
460-32010-12	SO-17338-092811-MM-098	Solid	09/28/2011 1530	10/03/2011 1830

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-32010-1	SO-17338-092811-MM-087					
Percent Moisture		17.1		1.0	%	Moisture
Percent Solids		82.9		1.0	%	Moisture
460-32010-2	SO-17338-092811-MM-088					
Percent Moisture		15.2		1.0	%	Moisture
Percent Solids		84.8		1.0	%	Moisture
460-32010-3	SO-17338-092811-MM-089					
Percent Moisture		8.7		1.0	%	Moisture
Percent Solids		91.3		1.0	%	Moisture
460-32010-4	SO-17338-092811-MM-090					
Percent Moisture		20.4		1.0	%	Moisture
Percent Solids		79.6		1.0	%	Moisture
460-32010-5	SO-17338-092811-MM-091					
Aluminum		9890		49.4	mg/Kg	6010B
Antimony		1.7	J	2.5	mg/Kg	6010B
Arsenic		5.7		1.2	mg/Kg	6010B
Barium		210		49.4	mg/Kg	6010B
Beryllium		0.42	J	0.49	mg/Kg	6010B
Cadmium		0.55	J	1.2	mg/Kg	6010B
Calcium		15600		1230	mg/Kg	6010B
Chromium		14.7		2.5	mg/Kg	6010B
Cobalt		6.1	J	12.3	mg/Kg	6010B
Copper		20.0	B	6.2	mg/Kg	6010B
Iron		16700		37.0	mg/Kg	6010B
Lead		180		1.2	mg/Kg	6010B
Magnesium		4620		1230	mg/Kg	6010B
Manganese		399		3.7	mg/Kg	6010B
Nickel		10.0		9.9	mg/Kg	6010B
Potassium		377	J	1230	mg/Kg	6010B
Sodium		561	J	1230	mg/Kg	6010B
Vanadium		21.9		12.3	mg/Kg	6010B
Zinc		167		7.4	mg/Kg	6010B
Mercury		0.15		0.039	mg/Kg	7471A
Percent Moisture		20.6		1.0	%	Moisture
Percent Solids		79.4		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-32010-6	SO-17338-092811-MM-092					
Percent Moisture		14.7		1.0	%	Moisture
Percent Solids		85.3		1.0	%	Moisture
460-32010-7	SO-17338-092811-MM-093					
Percent Moisture		14.3		1.0	%	Moisture
Percent Solids		85.7		1.0	%	Moisture
460-32010-8	SO-17338-092811-MM-094					
Percent Moisture		11.0		1.0	%	Moisture
Percent Solids		89.0		1.0	%	Moisture
460-32010-9	SO-17338-092811-MM-095					
Percent Moisture		17.6		1.0	%	Moisture
Percent Solids		82.4		1.0	%	Moisture
460-32010-10	SO-17338-092811-MM-096					
Percent Moisture		11.0		1.0	%	Moisture
Percent Solids		89.0		1.0	%	Moisture
460-32010-11	SO-17338-092811-MM-097					
Percent Moisture		18.4		1.0	%	Moisture
Percent Solids		81.6		1.0	%	Moisture
460-32010-12	SO-17338-092811-MM-098					
Percent Moisture		19.8		1.0	%	Moisture
Percent Solids		80.2		1.0	%	Moisture

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081A	
Automated Soxhlet Extraction	TAL EDI		SW846 3541
Polychlorinated Biphenyls (PCBs) (GC)	TAL EDI	SW846 8082	
Automated Soxhlet Extraction	TAL EDI		SW846 3541
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Metals	TAL EDI		SW846 3050B
Mercury (CVAA)	TAL EDI	SW846 7471A	
Preparation, Mercury	TAL EDI		SW846 7471A
Percent Moisture	TAL EDI	EPA Moisture	

Lab References:

TAL EDI = TestAmerica Edison

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: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Method	Analyst	Analyst ID
SW846 8081A	Manlangit, Ferdie	FM
SW846 8082	Damarapu, Shanthi	SD
SW846 6010B	Dave, Virendra	VD
SW846 7471A	Staib, Thomas	TS
EPA Moisture	Armbruster, Chris	CHA

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Client Sample ID: SO-17338-092811-MM-091

Lab Sample ID: 460-32010-5

Date Sampled: 09/28/2011 1140

Client Matrix: Solid

% Moisture: 20.6

Date Received: 10/03/2011 1830

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-89301	Instrument ID:	PESTGC1
Prep Method:	3541	Prep Batch:	460-88637	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/12/2011 1015			Injection Volume:	1 uL
Prep Date:	10/07/2011 0303			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC		8.4	U	1.6	8.4
beta-BHC		8.4	U	1.1	8.4
delta-BHC		8.4	U	1.3	8.4
gamma-BHC (Lindane)		8.4	U	0.98	8.4
Heptachlor		8.4	U	1.2	8.4
Aldrin		8.4	U	1.9	8.4
Heptachlor epoxide		8.4	U	1.7	8.4
Endosulfan I		8.4	U	1.8	8.4
Dieldrin		8.4	U	1.6	8.4
4,4'-DDE		8.4	U	1.6	8.4
Endrin		8.4	U	1.2	8.4
Endosulfan II		8.4	U	1.3	8.4
4,4'-DDD		8.4	U	1.0	8.4
Endosulfan sulfate		8.4	U	1.1	8.4
4,4'-DDT		8.4	U	1.1	8.4
Methoxychlor		8.4	U	0.94	8.4
Endrin ketone		8.4	U	1.2	8.4
Endrin aldehyde		8.4	U	2.1	8.4
alpha-Chlordane		8.4	U	1.8	8.4
gamma-Chlordane		8.4	U	1.7	8.4
Toxaphene		84	U	18	84
Surrogate		%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl		111		53 - 150	
Tetrachloro-m-xylene		55		40 - 150	

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Client Sample ID: SO-17338-092811-MM-091

Lab Sample ID: 460-32010-5

Date Sampled: 09/28/2011 1140

Client Matrix: Solid

% Moisture: 20.6

Date Received: 10/03/2011 1830

8081A Organochlorine Pesticides (GC)

Analysis Method: 8081A

Analysis Batch: 460-89301

Instrument ID: PESTGC1

Prep Method: 3541

Prep Batch: 460-88637

Initial Weight/Volume: 15.00 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/12/2011 1015

Injection Volume: 1 uL

Prep Date: 10/07/2011 0303

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		53 - 150
Tetrachloro-m-xylene	54		40 - 150

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Client Sample ID: SO-17338-092811-MM-091

Lab Sample ID: 460-32010-5

Date Sampled: 09/28/2011 1140

Client Matrix: Solid

% Moisture: 20.6

Date Received: 10/03/2011 1830

8082 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082	Analysis Batch:	460-89110	Instrument ID:	PESTGC9
Prep Method:	3541	Prep Batch:	460-88999	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/11/2011 1233			Injection Volume:	
Prep Date:	10/11/2011 0323			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		84	U	16	84
PCB-1221		84	U	25	84
PCB-1232		84	U	48	84
PCB-1242		84	U	16	84
PCB-1248		84	U	22	84
PCB-1254		84	U	29	84
PCB-1260		84	U	9.4	84

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		30 - 150

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Client Sample ID: SO-17338-092811-MM-091

Lab Sample ID: 460-32010-5

Date Sampled: 09/28/2011 1140

Client Matrix: Solid

% Moisture: 20.6

Date Received: 10/03/2011 1830

8082 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method: 8082

Analysis Batch: 460-89110

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-88999

Initial Weight/Volume: 15.03 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/11/2011 1233

Injection Volume:

Prep Date: 10/11/2011 0323

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	67		30 - 150

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Client Sample ID: SO-17338-092811-MM-091

Lab Sample ID: 460-32010-5

Date Sampled: 09/28/2011 1140

Client Matrix: Solid

% Moisture: 20.6

Date Received: 10/03/2011 1830

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-89337	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-88751	Lab File ID:	a10132011.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	10/12/2011 2012			Final Weight/Volume:	50 mL
Prep Date:	10/07/2011 1856				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9890		18.1	49.4
Antimony		1.7	J	1.1	2.5
Arsenic		5.7		0.86	1.2
Barium		210		1.5	49.4
Beryllium		0.42	J	0.22	0.49
Cadmium		0.55	J	0.19	1.2
Calcium		15600		32.5	1230
Chromium		14.7		1.5	2.5
Cobalt		6.1	J	1.5	12.3
Copper		20.0	B	1.0	6.2
Iron		16700		13.1	37.0
Lead		180		0.62	1.2
Magnesium		4620		13.1	1230
Manganese		399		1.4	3.7
Nickel		10.0		0.66	9.9
Potassium		377	J	55.7	1230
Selenium		2.5	U	1.2	2.5
Silver		2.5	U	0.19	2.5
Sodium		561	J	75.8	1230
Thallium		2.5	U	1.2	2.5
Vanadium		21.9		0.64	12.3
Zinc		167		1.2	7.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-88757	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-88747	Lab File ID:	100711.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	10/07/2011 2126			Final Weight/Volume:	100 mL
Prep Date:	10/07/2011 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.15		0.026	0.039

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

General Chemistry**Client Sample ID:** SO-17338-092811-MM-087

Lab Sample ID: 460-32010-1

Date Sampled: 09/28/2011 0945

Client Matrix: Solid

Date Received: 10/03/2011 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2249					DryWt Corrected: N
Percent Solids	82.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2249					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

General Chemistry**Client Sample ID:** SO-17338-092811-MM-088

Lab Sample ID: 460-32010-2

Date Sampled: 09/28/2011 1000

Client Matrix: Solid

Date Received: 10/03/2011 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2249					DryWt Corrected: N
Percent Solids	84.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2249					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

General Chemistry**Client Sample ID:** SO-17338-092811-MM-089

Lab Sample ID: 460-32010-3

Date Sampled: 09/28/2011 1025

Client Matrix: Solid

Date Received: 10/03/2011 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2249					DryWt Corrected: N
Percent Solids	91.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2249					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

General Chemistry**Client Sample ID:** SO-17338-092811-MM-090

Lab Sample ID: 460-32010-4

Date Sampled: 09/28/2011 1105

Client Matrix: Solid

Date Received: 10/03/2011 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N
Percent Solids	79.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

General Chemistry**Client Sample ID:** SO-17338-092811-MM-091

Lab Sample ID: 460-32010-5

Date Sampled: 09/28/2011 1140

Client Matrix: Solid

Date Received: 10/03/2011 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N
Percent Solids	79.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

General Chemistry**Client Sample ID:** SO-17338-092811-MM-092

Lab Sample ID: 460-32010-6

Date Sampled: 09/28/2011 1250

Client Matrix: Solid

Date Received: 10/03/2011 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N
Percent Solids	85.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

General Chemistry**Client Sample ID:** SO-17338-092811-MM-093

Lab Sample ID: 460-32010-7

Date Sampled: 09/28/2011 1215

Client Matrix: Solid

Date Received: 10/03/2011 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N
Percent Solids	85.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

General Chemistry**Client Sample ID:** SO-17338-092811-MM-094

Lab Sample ID: 460-32010-8

Date Sampled: 09/28/2011 1315

Client Matrix: Solid

Date Received: 10/03/2011 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N
Percent Solids	89.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

General Chemistry**Client Sample ID:** SO-17338-092811-MM-095

Lab Sample ID: 460-32010-9

Date Sampled: 09/28/2011 1400

Client Matrix: Solid

Date Received: 10/03/2011 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N
Percent Solids	82.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

General Chemistry**Client Sample ID:** SO-17338-092811-MM-096

Lab Sample ID: 460-32010-10

Date Sampled: 09/28/2011 1450

Client Matrix: Solid

Date Received: 10/03/2011 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N
Percent Solids	89.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

General Chemistry**Client Sample ID:** SO-17338-092811-MM-097

Lab Sample ID: 460-32010-11

Date Sampled: 09/28/2011 1500

Client Matrix: Solid

Date Received: 10/03/2011 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N
Percent Solids	81.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

General Chemistry**Client Sample ID:** SO-17338-092811-MM-098

Lab Sample ID: 460-32010-12

Date Sampled: 09/28/2011 1530

Client Matrix: Solid

Date Received: 10/03/2011 1830

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N
Percent Solids	80.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-88549	Analysis Date: 10/06/2011 2337					DryWt Corrected: N

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-32010-5	SO-17338-092811-M M-091	54	55	78	111
MB 460-88637/1-A		86	84	104	137
LCS 460-88637/2-A		107	98	139	117
460-32001-D-7-D MS		62	58	58	120
460-32001-D-7-E MSD		62	57	64	84
460-32001-A-7-B DU		28X	28X	38X	85

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	40-150
DCB = DCB Decachlorobiphenyl	53-150

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Surrogate Recovery Report**8082 Polychlorinated Biphenyls (PCBs) (GC)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-32010-5	SO-17338-092811-M M-091	67	78
MB 460-88999/1-A		116	117
LCS 460-88999/2-A		118	115
460-32001-D-7-J MS		94	97
460-32001-D-7-K MSD		96	98
460-32001-A-7-D DU		69	70

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	30-150

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Method Blank - Batch: 460-88637

Method: 8081A Preparation: 3541

Lab Sample ID: MB 460-88637/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1600
Prep Date: 10/07/2011 0303
Leach Date: N/A

Analysis Batch: 460-89072
Prep Batch: 460-88637
Leach Batch: N/A
Units: ug/Kg

Instrument ID: PESTGC1
Lab File ID: xr125291.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
alpha-BHC	6.7	U	1.2	6.7
alpha-BHC	6.7	U	1.2	6.7
beta-BHC	6.7	U	0.91	6.7
beta-BHC	6.7	U	0.91	6.7
delta-BHC	6.7	U	1.0	6.7
delta-BHC	6.7	U	1.0	6.7
gamma-BHC (Lindane)	6.7	U	0.78	6.7
gamma-BHC (Lindane)	6.7	U	0.78	6.7
Heptachlor	6.7	U	0.96	6.7
Heptachlor	6.7	U	0.96	6.7
Aldrin	6.7	U	1.5	6.7
Aldrin	6.7	U	1.5	6.7
Heptachlor epoxide	6.7	U	1.4	6.7
Heptachlor epoxide	6.7	U	1.4	6.7
Endosulfan I	6.7	U	1.4	6.7
Endosulfan I	6.7	U	1.4	6.7
Dieldrin	6.7	U	1.3	6.7
Dieldrin	6.7	U	1.3	6.7
4,4'-DDE	6.7	U	1.3	6.7
4,4'-DDE	6.7	U	1.3	6.7
Endrin	6.7	U	0.94	6.7
Endrin	6.7	U	0.94	6.7
Endosulfan II	6.7	U	1.0	6.7
Endosulfan II	6.7	U	1.0	6.7
4,4'-DDD	6.7	U	0.80	6.7
4,4'-DDD	6.7	U	0.80	6.7
Endosulfan sulfate	6.7	U	0.86	6.7
Endosulfan sulfate	6.7	U	0.86	6.7
4,4'-DDT	6.7	U	0.84	6.7
4,4'-DDT	6.7	U	0.84	6.7
Methoxychlor	6.7	U	0.75	6.7
Methoxychlor	6.7	U	0.75	6.7
Endrin ketone	6.7	U	0.99	6.7
Endrin ketone	6.7	U	0.99	6.7
Endrin aldehyde	6.7	U	1.7	6.7
Endrin aldehyde	6.7	U	1.7	6.7
alpha-Chlordane	6.7	U	1.4	6.7
alpha-Chlordane	6.7	U	1.4	6.7
gamma-Chlordane	6.7	U	1.4	6.7
gamma-Chlordane	6.7	U	1.4	6.7
Toxaphene	67	U	14	67
Toxaphene	67	U	14	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	53 - 150

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	137	53 - 150
Tetrachloro-m-xylene	86	40 - 150
Tetrachloro-m-xylene	84	40 - 150

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Lab Control Sample - Batch: 460-88637

Method: 8081A
Preparation: 3541

Lab Sample ID:	LCS 460-88637/2-A	Analysis Batch:	460-89072	Instrument ID:	PESTGC1
Client Matrix:	Solid	Prep Batch:	460-88637	Lab File ID:	xr125272.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	10/11/2011 1138	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/07/2011 0303			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
alpha-BHC	133	120	90	58 - 138	
alpha-BHC	133	128	96	58 - 138	
beta-BHC	133	130	98	60 - 139	
beta-BHC	133	124	93	60 - 139	
delta-BHC	133	122	91	60 - 141	
delta-BHC	133	131	98	60 - 141	
gamma-BHC (Lindane)	133	120	90	58 - 136	
gamma-BHC (Lindane)	133	130	98	58 - 136	
Heptachlor	133	122	91	58 - 137	
Heptachlor	133	126	94	58 - 137	
Aldrin	133	119	89	58 - 143	
Aldrin	133	133	100	58 - 143	
Heptachlor epoxide	133	130	97	59 - 136	
Heptachlor epoxide	133	126	94	59 - 136	
Endosulfan I	133	131	99	60 - 138	
Endosulfan I	133	128	96	60 - 138	
Dieldrin	133	134	101	55 - 128	
Dieldrin	133	133	100	55 - 128	
4,4'-DDE	133	129	97	58 - 150	
4,4'-DDE	133	130	98	58 - 150	
Endrin	133	137	102	61 - 150	
Endrin	133	133	100	61 - 150	
Endosulfan II	133	136	102	59 - 133	
Endosulfan II	133	131	99	59 - 133	
4,4'-DDD	133	136	102	63 - 150	
4,4'-DDD	133	128	96	63 - 150	
Endosulfan sulfate	133	118	89	56 - 133	
Endosulfan sulfate	133	129	97	56 - 133	
4,4'-DDT	133	132	99	57 - 150	
4,4'-DDT	133	130	98	57 - 150	
Methoxychlor	133	118	89	42 - 150	
Methoxychlor	133	122	92	42 - 150	
Endrin ketone	133	120	90	62 - 139	
Endrin ketone	133	140	105	62 - 139	
Endrin aldehyde	133	117	88	55 - 122	
Endrin aldehyde	133	110	83	55 - 122	
alpha-Chlordane	133	90.7	68	49 - 143	
alpha-Chlordane	133	125	94	49 - 143	
gamma-Chlordane	133	129	97	45 - 147	
gamma-Chlordane	133	129	97	45 - 147	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	139	53 - 150
DCB Decachlorobiphenyl	117	53 - 150
Tetrachloro-m-xylene	107	40 - 150
Tetrachloro-m-xylene	98	40 - 150

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-88637

Method: 8081A
Preparation: 3541

MS Lab Sample ID: 460-32001-D-7-D MS
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1206
Prep Date: 10/07/2011 0303
Leach Date: N/A

Analysis Batch: 460-89072
Prep Batch: 460-88637
Leach Batch: N/A

Instrument ID: PESTGC1
Lab File ID: xr125274.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 460-32001-D-7-E MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1219
Prep Date: 10/07/2011 0303
Leach Date: N/A

Analysis Batch: 460-89072
Prep Batch: 460-88637
Leach Batch: N/A

Instrument ID: PESTGC1
Lab File ID: xr125275.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
alpha-BHC	66	69	58 - 138	3	30		
beta-BHC	66	68	60 - 139	9	30		
delta-BHC	66	68	60 - 141	1	30		
gamma-BHC (Lindane)	66	69	58 - 136	6	30		
Heptachlor	66	68	58 - 137	1	30		
Aldrin	65	67	58 - 143	7	30		
Heptachlor epoxide	72	72	59 - 136	6	30		
Endosulfan I	70	70	60 - 138	6	30		
Dieldrin	72	74	55 - 128	9	30		
4,4'-DDE	72	74	58 - 150	10	30		
Endrin	72	74	61 - 150	7	30		
Endosulfan II	68	71	59 - 133	5	30		
4,4'-DDD	70	74	63 - 150	11	30		
Endosulfan sulfate	57	60	56 - 133	17	30		
4,4'-DDT	66	69	57 - 150	6	30		
Methoxychlor	58	63	42 - 150	10	30		
Endrin ketone	60	64	62 - 139	8	30	F	
Endrin aldehyde	49	55	55 - 122	3	30	F	
alpha-Chlordane	69	70	49 - 143	6	30		
gamma-Chlordane	71	72	45 - 147	7	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	58	64	53 - 150
DCB Decachlorobiphenyl	58	84	53 - 150
DCB Decachlorobiphenyl	120	64	53 - 150
DCB Decachlorobiphenyl	120	84	53 - 150
Tetrachloro-m-xylene	58	57	40 - 150
Tetrachloro-m-xylene	58	62	40 - 150
Tetrachloro-m-xylene	62	57	40 - 150
Tetrachloro-m-xylene	62	62	40 - 150

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-88637

Method: 8081A
Preparation: 3541

MS Lab Sample ID: 460-32001-D-7-D MS
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1206
Prep Date: 10/07/2011 0303
Leach Date: N/A

Analysis Batch: 460-89072
Prep Batch: 460-88637
Leach Batch: N/A

Instrument ID: PESTGC1
Lab File ID: xf125274.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

MSD Lab Sample ID: 460-32001-D-7-E MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1219
Prep Date: 10/07/2011 0303
Leach Date: N/A

Analysis Batch: 460-89072
Prep Batch: 460-88637
Leach Batch: N/A

Instrument ID: PESTGC1
Lab File ID: xf125275.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
alpha-BHC	67	67	58 - 138	1	30		
beta-BHC	62	66	60 - 139	6	30		
delta-BHC	69	71	60 - 141	3	30		
gamma-BHC (Lindane)	65	69	58 - 136	6	30		
Heptachlor	67	70	58 - 137	3	30		
Aldrin	72	72	58 - 143	0	30		
Heptachlor epoxide	68	68	59 - 136	0	30		
Endosulfan I	66	66	60 - 138	0	30		
Dieldrin	67	68	55 - 128	1	30		
4,4'-DDE	67	69	58 - 150	3	30		
Endrin	69	70	61 - 150	1	30		
Endosulfan II	67	68	59 - 133	1	30		
4,4'-DDD	66	68	63 - 150	2	30		
Endosulfan sulfate	71	65	56 - 133	8	30		
4,4'-DDT	65	67	57 - 150	3	30		
Methoxychlor	69	63	42 - 150	9	30		
Endrin ketone	69	67	62 - 139	3	30		
Endrin aldehyde	53	55	55 - 122	4	30	F	
alpha-Chlordane	66	67	49 - 143	2	30		
gamma-Chlordane	67	68	45 - 147	1	30		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-88637**

**Method: 8081A
Preparation: 3541**

MS Lab Sample ID: 460-32001-D-7-D MS Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1206
Prep Date: 10/07/2011 0303
Leach Date: N/A

MSD Lab Sample ID: 460-32001-D-7-E MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1219
Prep Date: 10/07/2011 0303
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
alpha-BHC	8.3	U	166	166	110	114
beta-BHC	8.3	U	166	166	110	113
delta-BHC	8.3	U	166	166	110	113
gamma-BHC (Lindane)	8.3	U	166	166	109	114
Heptachlor	8.3	U	166	166	110	113
Aldrin	8.3	U	166	166	109	112
Heptachlor epoxide	8.3	U	166	166	120	119
Endosulfan I	8.3	U	166	166	116	117
Dieldrin	8.3	U	166	166	120	123
4,4'-DDE	8.3	U	166	166	119	123
Endrin	8.3	U	166	166	120	122
Endosulfan II	8.3	U	166	166	114	117
4,4'-DDD	8.3	U	166	166	116	122
Endosulfan sulfate	8.3	U	166	166	95.3	99.5
4,4'-DDT	8.3	U	166	166	109	115
Methoxychlor	8.3	U	166	166	96.7	104
Endrin ketone	8.3	U	166	166	100	F 106
Endrin aldehyde	8.2		166	166	90.4	F 99.9
alpha-Chlordane	8.3	U	166	166	115	116
gamma-Chlordane	8.3	U	166	166	118	119

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-88637**

**Method: 8081A
Preparation: 3541**

MS Lab Sample ID: 460-32001-D-7-D MS Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1206
Prep Date: 10/07/2011 0303
Leach Date: N/A

MSD Lab Sample ID: 460-32001-D-7-E MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1219
Prep Date: 10/07/2011 0303
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
alpha-BHC	8.3	U	166	166	111	112
beta-BHC	8.3	U	166	166	104	110
delta-BHC	8.3	U	166	166	115	118
gamma-BHC (Lindane)	8.3	U	166	166	107	114
Heptachlor	8.3	U	166	166	112	116
Aldrin	8.3	U	166	166	119	119
Heptachlor epoxide	8.3	U	166	166	112	113
Endosulfan I	8.3	U	166	166	110	110
Dieldrin	8.3	U	166	166	112	113
4,4'-DDE	8.3	U	166	166	111	115
Endrin	8.3	U	166	166	114	116
Endosulfan II	8.3	U	166	166	112	112
4,4'-DDD	8.3	U	166	166	109	112
Endosulfan sulfate	8.3	U	166	166	118	108
4,4'-DDT	8.3	U	166	166	109	112
Methoxychlor	8.3	U	166	166	115	105
Endrin ketone	8.3	U	166	166	114	111
Endrin aldehyde	8.6		166	166	96.7 F	101
alpha-Chlordane	8.3	U	166	166	109	111
gamma-Chlordane	8.3	U	166	166	111	113

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Duplicate - Batch: 460-88637

Method: 8081A
Preparation: 3541

Lab Sample ID: 460-32001-A-7-B DU
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1315
Prep Date: 10/07/2011 0303
Leach Date: N/A

Analysis Batch: 460-89072
Prep Batch: 460-88637
Leach Batch: N/A
Units: ug/Kg

Instrument ID: PESTGC1
Lab File ID: xr125279.d
Initial Weight/Volume: 15.05 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
alpha-BHC	8.3	U	8.3	NC		U
alpha-BHC	8.3	U	8.3	NC		U
beta-BHC	8.3	U	8.3	NC		U
beta-BHC	8.3	U	8.3	NC		U
delta-BHC	8.3	U	8.3	NC		U
delta-BHC	8.3	U	8.3	NC		U
gamma-BHC (Lindane)	8.3	U	8.3	NC		U
gamma-BHC (Lindane)	8.3	U	8.3	NC		U
Heptachlor	8.3	U	8.3	NC		U
Heptachlor	8.3	U	8.3	NC		U
Aldrin	8.3	U	8.3	NC		U
Aldrin	8.3	U	8.3	NC		U
Heptachlor epoxide	8.3	U	8.3	NC		U
Heptachlor epoxide	8.3	U	8.3	NC		U
Endosulfan I	8.3	U	8.3	NC		U
Endosulfan I	8.3	U	8.3	NC		U
Dieldrin	8.3	U	8.3	NC		U
Dieldrin	8.3	U	8.3	NC		U
4,4'-DDE	8.3	U	8.3	NC		U
4,4'-DDE	8.3	U	8.3	NC		U
Endrin	8.3	U	8.3	NC		U
Endrin	8.3	U	8.3	NC		U
Endosulfan II	8.3	U	8.3	NC		U
Endosulfan II	8.3	U	8.3	NC		U
4,4'-DDD	8.3	U	8.3	NC		U
4,4'-DDD	8.3	U	8.3	NC		U
Endosulfan sulfate	8.3	U	8.3	NC		U
Endosulfan sulfate	8.3	U	8.3	NC		U
4,4'-DDT	8.3	U	8.3	NC		U
4,4'-DDT	8.3	U	8.3	NC		U
Methoxychlor	8.3	U	8.3	NC		U
Methoxychlor	8.3	U	8.3	NC		U
Endrin ketone	8.3	U	8.3	NC		U
Endrin ketone	8.3	U	8.3	NC		U
Endrin aldehyde	8.2		5.03	53.0		J
Endrin aldehyde	8.6		6.35	30.0		J
alpha-Chlordane	8.3	U	8.3	NC		U
alpha-Chlordane	8.3	U	8.3	NC		U
gamma-Chlordane	8.3	U	8.3	NC		U
gamma-Chlordane	8.3	U	8.3	NC		U
Toxaphene	83	U	83	NC		U
Toxaphene	83	U	83	NC		U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	38	X	53 - 150
DCB Decachlorobiphenyl	85		53 - 150
Tetrachloro-m-xylene	28	X	40 - 150
Tetrachloro-m-xylene	28	X	40 - 150

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Method Blank - Batch: 460-88999

Method: 8082 Preparation: 3541

Lab Sample ID: MB 460-88999/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 0938
Prep Date: 10/11/2011 0323
Leach Date: N/A

Analysis Batch: 460-89110
Prep Batch: 460-88999
Leach Batch: N/A
Units: ug/Kg

Instrument ID: PESTGC9
Lab File ID: vr465402.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	67	U	13	67
PCB-1221	67	U	20	67
PCB-1232	67	U	38	67
PCB-1242	67	U	13	67
PCB-1248	67	U	18	67
PCB-1254	67	U	23	67
PCB-1260	67	U	7.5	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	117	30 - 150
Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	116	30 - 150

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Lab Control Sample - Batch: 460-88999

Method: 8082
Preparation: 3541

Lab Sample ID:	LCS 460-88999/2-A	Analysis Batch:	460-89110	Instrument ID:	PESTGC9
Client Matrix:	Solid	Prep Batch:	460-88999	Lab File ID:	vf465403.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	10/11/2011 0954	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/11/2011 0323			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	333	385	115	60 - 144	
PCB-1260	333	368	110	63 - 143	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	118		30 - 150		

Lab Control Sample - Batch: 460-88999

Method: 8082
Preparation: 3541

Lab Sample ID:	LCS 460-88999/2-A	Analysis Batch:	460-89110	Instrument ID:	PESTGC9
Client Matrix:	Solid	Prep Batch:	460-88999	Lab File ID:	vr465403.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	10/11/2011 0954	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/11/2011 0323			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	333	370	111	60 - 144	
PCB-1260	333	358	107	63 - 143	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	115		30 - 150		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-88999**

**Method: 8082
Preparation: 3541**

MS Lab Sample ID:	460-32001-D-7-J MS	Analysis Batch:	460-89110	Instrument ID:	PESTGC9
Client Matrix:	Solid	Prep Batch:	460-88999	Lab File ID:	vf465406.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	10/11/2011 1042			Final Weight/Volume:	10 mL
Prep Date:	10/11/2011 0323			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-32001-D-7-K MSD	Analysis Batch:	460-89110	Instrument ID:	PESTGC9
Client Matrix:	Solid	Prep Batch:	460-88999	Lab File ID:	vf465407.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	10/11/2011 1058			Final Weight/Volume:	10 mL
Prep Date:	10/11/2011 0323			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
PCB-1016	93	95	60 - 144	2	30		
PCB-1260	91	91	63 - 143	0	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	97		98	30 - 150			

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-88999**

**Method: 8082
Preparation: 3541**

MS Lab Sample ID:	460-32001-D-7-J MS	Analysis Batch:	460-89110	Instrument ID:	PESTGC9
Client Matrix:	Solid	Prep Batch:	460-88999	Lab File ID:	vr465406.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	10/11/2011 1042			Final Weight/Volume:	10 mL
Prep Date:	10/11/2011 0323			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-32001-D-7-K MSD	Analysis Batch:	460-89110	Instrument ID:	PESTGC9
Client Matrix:	Solid	Prep Batch:	460-88999	Lab File ID:	vr465407.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	10/11/2011 1058			Final Weight/Volume:	10 mL
Prep Date:	10/11/2011 0323			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
PCB-1016	88	90	60 - 144	3	30		
PCB-1260	89	89	63 - 143	0	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	94		96	30 - 150			

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-88999**

**Method: 8082
Preparation: 3541**

MS Lab Sample ID: 460-32001-D-7-J MS Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1042
Prep Date: 10/11/2011 0323
Leach Date: N/A

MSD Lab Sample ID: 460-32001-D-7-K MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1058
Prep Date: 10/11/2011 0323
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
PCB-1016	83	U	415	416	387	394
PCB-1260	83	U	415	416	380	379

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-88999**

**Method: 8082
Preparation: 3541**

MS Lab Sample ID: 460-32001-D-7-J MS Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1042
Prep Date: 10/11/2011 0323
Leach Date: N/A

MSD Lab Sample ID: 460-32001-D-7-K MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1058
Prep Date: 10/11/2011 0323
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
PCB-1016	83	U	415	416	366	376
PCB-1260	83	U	415	416	372	370

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Duplicate - Batch: 460-88999

Method: 8082
Preparation: 3541

Lab Sample ID: 460-32001-A-7-D DU
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/11/2011 1026
Prep Date: 10/11/2011 0323
Leach Date: N/A

Analysis Batch: 460-89110
Prep Batch: 460-88999
Leach Batch: N/A
Units: ug/Kg

Instrument ID: PESTGC9
Lab File ID: vr465405.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
PCB-1016	83	U	83	NC		U
PCB-1221	83	U	83	NC		U
PCB-1232	83	U	83	NC		U
PCB-1242	83	U	83	NC		U
PCB-1248	83	U	83	NC		U
PCB-1254	83	U	83	NC		U
PCB-1260	83	U	83	NC		U
Surrogate	% Rec		Acceptance Limits			
DCB Decachlorobiphenyl	70		30 - 150			
Surrogate	% Rec		Acceptance Limits			
DCB Decachlorobiphenyl	69		30 - 150			

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Method Blank - Batch: 460-88751

Method: 6010B

Preparation: 3050B

Lab Sample ID: MB 460-88751/1-A ^2
 Client Matrix: Solid
 Dilution: 2.0
 Analysis Date: 10/12/2011 1507
 Prep Date: 10/07/2011 1856
 Leach Date: N/A

Analysis Batch: 460-89265
 Prep Batch: 460-88751
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: ICP4
 Lab File ID: b10122011.asc
 Initial Weight/Volume: 1.00 g
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	20.0	U	7.3	20.0
Antimony	1.0	U	0.44	1.0
Arsenic	0.50	U	0.35	0.50
Barium	20.0	U	0.60	20.0
Beryllium	0.20	U	0.088	0.20
Cadmium	0.50	U	0.078	0.50
Calcium	500	U	13.1	500
Chromium	1.0	U	0.59	1.0
Cobalt	5.0	U	0.61	5.0
Copper	0.444	J	0.41	2.5
Iron	15.0	U	5.3	15.0
Lead	0.50	U	0.25	0.50
Magnesium	500	U	5.3	500
Manganese	1.5	U	0.56	1.5
Nickel	4.0	U	0.27	4.0
Potassium	500	U	22.6	500
Selenium	1.0	U	0.47	1.0
Silver	1.0	U	0.076	1.0
Sodium	500	U	30.7	500
Thallium	1.0	U	0.48	1.0
Vanadium	5.0	U	0.26	5.0
Zinc	3.0	U	0.49	3.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

LCS-Certified Reference Material - Batch: 460-88751

Method: 6010B

Preparation: 3050B

Lab Sample ID: LCSSRM 460-88751/2-A
 Client Matrix: Solid
 Dilution: 4.0
 Analysis Date: 10/12/2011 1334
 Prep Date: 10/07/2011 1856
 Leach Date: N/A

Analysis Batch: 460-89265
 Prep Batch: 460-88751
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: ICP4
 Lab File ID: b10122011.asc
 Initial Weight/Volume: 1.00 g
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10500	9178	87	46.1 - 154	
Antimony	67.4	175.0	260	32.0 - 353	
Arsenic	104	95.68	92	69.7 - 131	
Barium	198	186.7	94	73.2 - 126	
Beryllium	77.6	73.68	95	74.0 - 126	
Cadmium	60.7	56.66	93	73.3 - 127	
Calcium	9870	9706	98	75.4 - 125	
Chromium	236	225.4	96	70.8 - 129	
Cobalt	91.2	89.58	98	74.4 - 126	
Copper	174	165.8	95	75.3 - 124	
Iron	18000	20160	112	42.1 - 158	
Lead	86.0	84.88	99	69.8 - 130	
Magnesium	4000	3704	93	69.5 - 131	
Manganese	558	561.6	101	77.4 - 123	
Nickel	134	132.3	99	73.2 - 127	
Potassium	4300	4166	97	65.3 - 135	
Selenium	286	256.4	90	69.6 - 130	
Silver	30.1	27.54	91	65.1 - 135	
Sodium	1020	971.8	95	60.2 - 139	J
Thallium	121	128.0	106	67.8 - 133	
Vanadium	115	118.3	103	67.6 - 132	
Zinc	594	554.0	93	73.6 - 127	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Matrix Spike - Batch: 460-88751

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-31913-A-2-F MS ^4
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 10/12/2011 1348
Prep Date: 10/07/2011 1856
Leach Date: N/A

Analysis Batch: 460-89265
Prep Batch: 460-88751
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: b10122011.asc
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	1950	226	2935	436	75 - 125	4
Antimony	1.3 J	56.5	54.88	95	75 - 125	
Arsenic	5.8	226	211.9	91	75 - 125	
Barium	198	226	375.3	78	75 - 125	
Beryllium	0.45 U	5.65	5.72	101	75 - 125	
Cadmium	2.5	5.65	7.28	85	75 - 125	
Calcium	1650	2260	3638	88	75 - 125	
Chromium	68.6	22.6	106.3	167	75 - 125	F
Cobalt	3.7 J	56.5	59.18	98	75 - 125	
Copper	38.0	28.2	64.01	92	75 - 125	
Iron	6990	113	6331	-586	75 - 125	4
Lead	95.4	56.5	154.0	104	75 - 125	
Magnesium	451 J	2260	2743	101	75 - 125	
Manganese	80.3	56.5	113.0	58	75 - 125	F
Nickel	11.1	56.5	67.69	100	75 - 125	
Potassium	351 J	2260	2668	103	75 - 125	
Selenium	2.3 U	226	204.4	90	75 - 125	
Silver	2.3 U	5.65	5.17	91	75 - 125	
Sodium	222 J	2260	2485	100	75 - 125	
Thallium	2.3 U	226	231.1	102	75 - 125	
Vanadium	10.9 J	56.5	66.61	99	75 - 125	
Zinc	126	56.5	184.2	102	75 - 125	

Post Digestion Spike - Batch: 460-88751

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-31913-A-2-D PDS
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 10/12/2011 1352
Prep Date: 10/07/2011 1856
Leach Date: N/A

Analysis Batch: 460-89265
Prep Batch: 460-88751
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: b10122011.asc
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	1950	452	2323	82	75 - 125	
Antimony	1.3 J	113	105.7	92	75 - 125	
Arsenic	5.8	452	417.5	91	75 - 125	
Barium	198	452	626.5	95	75 - 125	
Beryllium	0.45 U	11.3	10.87	96	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Post Digestion Spike - Batch: 460-88751

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-31913-A-2-D PDS
 Client Matrix: Solid
 Dilution: 4.0
 Analysis Date: 10/12/2011 1352
 Prep Date: 10/07/2011 1856
 Leach Date: N/A

Analysis Batch: 460-89265
 Prep Batch: 460-88751
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: ICP4
 Lab File ID: b10122011.asc
 Initial Weight/Volume: 1.01 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	2.5	11.3	13.27	96	75 - 125	
Calcium	1650	4520	6105	98	75 - 125	
Chromium	68.6	45.2	111.6	95	75 - 125	
Cobalt	3.7 J	113	112.1	96	75 - 125	
Copper	38.0	56.5	90.69	93	75 - 125	
Iron	6990	226	7045	NC	75 - 125	
Lead	95.4	113	202.1	94	75 - 125	
Magnesium	451 J	4520	4695	94	75 - 125	
Manganese	80.3	113	193.9	101	75 - 125	
Nickel	11.1	113	121.4	98	75 - 125	
Potassium	351 J	4520	4636	95	75 - 125	
Selenium	2.3 U	452	404.2	89	75 - 125	
Silver	2.3 U	11.3	11.36	101	75 - 125	
Sodium	222 J	4520	4627	97	75 - 125	
Thallium	2.3 U	452	450.3	100	75 - 125	
Vanadium	10.9 J	113	123.6	100	75 - 125	
Zinc	126	113	230.5	92	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Duplicate - Batch: 460-88751

Method: 6010B
Preparation: 3050B

Lab Sample ID: 460-31913-A-2-E DU ^4
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 10/12/2011 1338
Prep Date: 10/07/2011 1856
Leach Date: N/A

Analysis Batch: 460-89265
Prep Batch: 460-88751
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: b10122011.asc
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	1950		1938	0.6	20	
Antimony	1.3	J	1.69	23	20	J
Arsenic	5.8		5.86	2	20	
Barium	198		197.3	0.6	20	
Beryllium	0.45	U	0.45	NC	20	U
Cadmium	2.5		2.49	0.2	20	
Calcium	1650		1644	0.6	20	
Chromium	68.6		68.01	0.9	20	
Cobalt	3.7	J	3.65	1	20	J
Copper	38.0		37.24	2	20	
Iron	6990		6934	0.8	20	
Lead	95.4		95.12	0.3	20	
Magnesium	451	J	449.4	0.5	20	J
Manganese	80.3		79.71	0.7	20	
Nickel	11.1		10.98	1	20	
Potassium	351	J	335.1	5	20	J
Selenium	2.3	U	2.3	NC	20	U
Silver	2.3	U	2.3	NC	20	U
Sodium	222	J	220.9	0.7	20	J
Thallium	2.3	U	2.3	NC	20	U
Vanadium	10.9	J	10.85	0.2	20	J
Zinc	126		125.3	0.8	20	

Serial Dilution - Batch: 460-88751

Method: 6010B
Preparation: 3050B

Lab Sample ID: 460-31913-A-2-D SD ^4
Client Matrix: Solid
Dilution: 20
Analysis Date: 10/12/2011 1345
Prep Date: 10/07/2011 1856
Leach Date: N/A

Analysis Batch: 460-89265
Prep Batch: 460-88751
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: b10122011.asc
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	1950		1901	2.5	10	
Antimony	1.3	J	11.3	NC	10	U
Arsenic	5.8		6.69	NC	10	
Barium	198		194.9	1.8	10	J
Beryllium	0.45	U	2.3	NC	10	U
Cadmium	2.5		2.35	NC	10	J
Calcium	1650		1637	1.0	10	J

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Serial Dilution - Batch: 460-88751

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-31913-A-2-D SD ^4
Client Matrix: Solid
Dilution: 20
Analysis Date: 10/12/2011 1345
Prep Date: 10/07/2011 1856
Leach Date: N/A

Analysis Batch: 460-89265
Prep Batch: 460-88751
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: b10122011.asc
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Chromium	68.6		67.16	2.1	10	
Cobalt	3.7	J	56.5	NC	10	U
Copper	38.0		37.46	NC	10	
Iron	6990		6896	1.4	10	
Lead	95.4		95.47	0.06	10	
Magnesium	451	J	455.1	NC	10	J
Manganese	80.3		79.67	0.76	10	
Nickel	11.1		11.33	NC	10	J
Potassium	351	J	551.8	NC	10	J
Selenium	2.3	U	11.3	NC	10	U
Silver	2.3	U	11.3	NC	10	U
Sodium	222	J	5650	NC	10	U
Thallium	2.3	U	11.3	NC	10	U
Vanadium	10.9	J	10.68	NC	10	J
Zinc	126		123.8	2.0	10	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Method Blank - Batch: 460-88747

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 460-88747/10-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/07/2011 2112
Prep Date: 10/07/2011 1800
Leach Date: N/A

Analysis Batch: 460-88757
Prep Batch: 460-88747
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 100711.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.033	U	0.022	0.033

LCS-Certified Reference Material - Batch: 460-88747

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCSSRM
Client Matrix: Solid
Dilution: 10
Analysis Date: 10/07/2011 2115
Prep Date: 10/07/2011 1800
Leach Date: N/A

Analysis Batch: 460-88757
Prep Batch: 460-88747
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 100711.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	8.46	8.20	97	51.3 - 149	

Matrix Spike - Batch: 460-88747

Method: 7471A
Preparation: 7471A

Lab Sample ID: 460-31914-E-14-B MS
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 10/07/2011 2120
Prep Date: 10/07/2011 1800
Leach Date: N/A

Analysis Batch: 460-88757
Prep Batch: 460-88747
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 100711.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.3	0.201	1.68	186	75 - 125	4

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Duplicate - Batch: 460-88747

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-31914-A-14-A DU	Analysis Batch:	460-88757	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	460-88747	Lab File ID:	100711.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	10/07/2011 2118	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/07/2011 1800				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	1.3	1.36	4	20	

Serial Dilution - Batch: 460-88747

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-31914-E-14-A SD	Analysis Batch:	460-88757	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	460-88747	Lab File ID:	100711.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	10/07/2011 2213	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/07/2011 1800				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	1.3	1.31	0.31		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual

Duplicate - Batch: 460-88549

Method: Moisture Preparation: N/A

Lab Sample ID:	460-32010-4	Analysis Batch:	460-88549	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	10/06/2011 2337	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	20.4	18.9	8	20	
Percent Solids	79.6	81.1	2	20	

DATA REPORTING QUALIFIERS

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Lab Section	Qualifier	Description
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS/MSD Recovery or RPD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	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.
	F	MS/MSD Recovery or RPD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-88637					
LCS 460-88637/2-A	Lab Control Sample	T	Solid	3541	
MB 460-88637/1-A	Method Blank	T	Solid	3541	
460-32001-A-7-B DU	Duplicate	T	Solid	3541	
460-32001-D-7-D MS	Matrix Spike	T	Solid	3541	
460-32001-D-7-E MSD	Matrix Spike Duplicate	T	Solid	3541	
460-32010-5	SO-17338-092811-MM-091	T	Solid	3541	
Prep Batch: 460-88999					
LCS 460-88999/2-A	Lab Control Sample	T	Solid	3541	
MB 460-88999/1-A	Method Blank	T	Solid	3541	
460-32001-A-7-D DU	Duplicate	T	Solid	3541	
460-32001-D-7-J MS	Matrix Spike	T	Solid	3541	
460-32001-D-7-K MSD	Matrix Spike Duplicate	T	Solid	3541	
460-32010-5	SO-17338-092811-MM-091	T	Solid	3541	
Analysis Batch:460-89072					
LCS 460-88637/2-A	Lab Control Sample	T	Solid	8081A	460-88637
MB 460-88637/1-A	Method Blank	T	Solid	8081A	460-88637
460-32001-A-7-B DU	Duplicate	T	Solid	8081A	460-88637
460-32001-D-7-D MS	Matrix Spike	T	Solid	8081A	460-88637
460-32001-D-7-E MSD	Matrix Spike Duplicate	T	Solid	8081A	460-88637
Analysis Batch:460-89110					
LCS 460-88999/2-A	Lab Control Sample	T	Solid	8082	460-88999
MB 460-88999/1-A	Method Blank	T	Solid	8082	460-88999
460-32001-A-7-D DU	Duplicate	T	Solid	8082	460-88999
460-32001-D-7-J MS	Matrix Spike	T	Solid	8082	460-88999
460-32001-D-7-K MSD	Matrix Spike Duplicate	T	Solid	8082	460-88999
460-32010-5	SO-17338-092811-MM-091	T	Solid	8082	460-88999
Analysis Batch:460-89301					
460-32010-5	SO-17338-092811-MM-091	T	Solid	8081A	460-88637

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-88747					
LCSSRM 460-88747/11-A ^10	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-88747/10-A	Method Blank	T	Solid	7471A	
460-31914-A-14-A DU	Duplicate	T	Solid	7471A	
460-31914-E-14-B MS	Matrix Spike	T	Solid	7471A	
460-32010-5	SO-17338-092811-MM-091	T	Solid	7471A	
Prep Batch: 460-88751					
LCSSRM 460-88751/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-88751/1-A ^2	Method Blank	T	Solid	3050B	
460-31913-A-2-E DU ^4	Duplicate	T	Solid	3050B	
460-31913-A-2-F MS ^4	Matrix Spike	T	Solid	3050B	
460-32010-5	SO-17338-092811-MM-091	T	Solid	3050B	
Analysis Batch:460-88757					
LCSSRM 460-88747/11-A ^10	LCS-Certified Reference Material	T	Solid	7471A	460-88747
MB 460-88747/10-A	Method Blank	T	Solid	7471A	460-88747
460-31914-A-14-A DU	Duplicate	T	Solid	7471A	460-88747
460-31914-E-14-B MS	Matrix Spike	T	Solid	7471A	460-88747
460-32010-5	SO-17338-092811-MM-091	T	Solid	7471A	460-88747
Analysis Batch:460-89265					
LCSSRM 460-88751/2-A	LCS-Certified Reference Material	T	Solid	6010B	460-88751
MB 460-88751/1-A ^2	Method Blank	T	Solid	6010B	460-88751
460-31913-A-2-E DU ^4	Duplicate	T	Solid	6010B	460-88751
460-31913-A-2-F MS ^4	Matrix Spike	T	Solid	6010B	460-88751
Analysis Batch:460-89337					
460-32010-5	SO-17338-092811-MM-091	T	Solid	6010B	460-88751

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-88549					
460-31956-A-7 MS	Matrix Spike	T	Solid	Moisture	
460-32010-1	SO-17338-092811-MM-087	T	Solid	Moisture	
460-32010-2	SO-17338-092811-MM-088	T	Solid	Moisture	
460-32010-3	SO-17338-092811-MM-089	T	Solid	Moisture	
460-32010-4	SO-17338-092811-MM-090	T	Solid	Moisture	
460-32010-4DU	Duplicate	T	Solid	Moisture	
460-32010-5	SO-17338-092811-MM-091	T	Solid	Moisture	
460-32010-6	SO-17338-092811-MM-092	T	Solid	Moisture	
460-32010-7	SO-17338-092811-MM-093	T	Solid	Moisture	
460-32010-8	SO-17338-092811-MM-094	T	Solid	Moisture	
460-32010-9	SO-17338-092811-MM-095	T	Solid	Moisture	
460-32010-10	SO-17338-092811-MM-096	T	Solid	Moisture	
460-32010-11	SO-17338-092811-MM-097	T	Solid	Moisture	
460-32010-12	SO-17338-092811-MM-098	T	Solid	Moisture	

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Laboratory Chronicle

Lab ID: 460-32010-1

Client ID: SO-17338-092811-MM-087

Sample Date/Time: 09/28/2011 09:45

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-32010-D-1		460-88549		10/06/2011 22:49	1	TAL EDI	CHA

Lab ID: 460-32010-2

Client ID: SO-17338-092811-MM-088

Sample Date/Time: 09/28/2011 10:00

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-32010-D-2		460-88549		10/06/2011 22:49	1	TAL EDI	CHA

Lab ID: 460-32010-3

Client ID: SO-17338-092811-MM-089

Sample Date/Time: 09/28/2011 10:25

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-32010-D-3		460-88549		10/06/2011 22:49	1	TAL EDI	CHA

Lab ID: 460-32010-4

Client ID: SO-17338-092811-MM-090

Sample Date/Time: 09/28/2011 11:05

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-32010-D-4		460-88549		10/06/2011 23:37	1	TAL EDI	CHA

Lab ID: 460-32010-4 DU

Client ID: SO-17338-092811-MM-090

Sample Date/Time: 09/28/2011 11:05

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-32010-D-4 DU		460-88549		10/06/2011 23:37	1	TAL EDI	CHA

Lab ID: 460-32010-5

Client ID: SO-17338-092811-MM-091

Sample Date/Time: 09/28/2011 11:40

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	460-32010-D-5-B		460-89301	460-88637	10/07/2011 03:03	1	TAL EDI	ARA
A:8081A	460-32010-D-5-B		460-89301	460-88637	10/12/2011 10:15	1	TAL EDI	FM
P:3541	460-32010-D-5-E		460-89110	460-88999	10/11/2011 03:23	1	TAL EDI	ARA
A:8082	460-32010-D-5-E		460-89110	460-88999	10/11/2011 12:33	1	TAL EDI	SD
P:3050B	460-32010-D-5-D ^4		460-89337	460-88751	10/07/2011 18:56	4	TAL EDI	TS
A:6010B	460-32010-D-5-D ^4		460-89337	460-88751	10/12/2011 20:12	4	TAL EDI	VD
P:7471A	460-32010-D-5-C		460-88757	460-88747	10/07/2011 18:00	1	TAL EDI	TS
A:7471A	460-32010-D-5-C		460-88757	460-88747	10/07/2011 21:26	1	TAL EDI	TS
A:Moisture	460-32010-D-5		460-88549		10/06/2011 23:37	1	TAL EDI	CHA

TestAmerica Edison

A = Analytical Method P = Prep Method

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Laboratory Chronicle

Lab ID: 460-32010-6

Client ID: SO-17338-092811-MM-092

Sample Date/Time: 09/28/2011 12:50

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-32010-D-6		460-88549		10/06/2011 23:37	1	TAL EDI	CHA

Lab ID: 460-32010-7

Client ID: SO-17338-092811-MM-093

Sample Date/Time: 09/28/2011 12:15

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-32010-D-7		460-88549		10/06/2011 23:37	1	TAL EDI	CHA

Lab ID: 460-32010-8

Client ID: SO-17338-092811-MM-094

Sample Date/Time: 09/28/2011 13:15

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-32010-D-8		460-88549		10/06/2011 23:37	1	TAL EDI	CHA

Lab ID: 460-32010-9

Client ID: SO-17338-092811-MM-095

Sample Date/Time: 09/28/2011 14:00

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-32010-D-9		460-88549		10/06/2011 23:37	1	TAL EDI	CHA

Lab ID: 460-32010-10

Client ID: SO-17338-092811-MM-096

Sample Date/Time: 09/28/2011 14:50

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-32010-D-10		460-88549		10/06/2011 23:37	1	TAL EDI	CHA

Lab ID: 460-32010-11

Client ID: SO-17338-092811-MM-097

Sample Date/Time: 09/28/2011 15:00

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-32010-D-11		460-88549		10/06/2011 23:37	1	TAL EDI	CHA

Lab ID: 460-32010-12

Client ID: SO-17338-092811-MM-098

Sample Date/Time: 09/28/2011 15:30

Received Date/Time: 10/03/2011 18:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-32010-D-12		460-88549		10/06/2011 23:37	1	TAL EDI	CHA

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	MB 460-88637/1-A		460-89072	460-88637	10/07/2011 03:03	1	TAL EDI	ARA
A:8081A	MB 460-88637/1-A		460-89072	460-88637	10/11/2011 16:00	1	TAL EDI	FM
P:3541	MB 460-88999/1-A		460-89110	460-88999	10/11/2011 03:23	1	TAL EDI	ARA
A:8082	MB 460-88999/1-A		460-89110	460-88999	10/11/2011 09:38	1	TAL EDI	SD
P:3050B	MB 460-88751/1-A ^2		460-89265	460-88751	10/07/2011 18:56	2	TAL EDI	TS
A:6010B	MB 460-88751/1-A ^2		460-89265	460-88751	10/12/2011 15:07	2	TAL EDI	VD
P:7471A	MB 460-88747/10-A		460-88757	460-88747	10/07/2011 18:00	1	TAL EDI	TS
A:7471A	MB 460-88747/10-A		460-88757	460-88747	10/07/2011 21:12	1	TAL EDI	TS

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	LCS 460-88637/2-A		460-89072	460-88637	10/07/2011 03:03	1	TAL EDI	ARA
A:8081A	LCS 460-88637/2-A		460-89072	460-88637	10/11/2011 11:38	1	TAL EDI	FM
P:3541	LCS 460-88999/2-A		460-89110	460-88999	10/11/2011 03:23	1	TAL EDI	ARA
A:8082	LCS 460-88999/2-A		460-89110	460-88999	10/11/2011 09:54	1	TAL EDI	SD

Lab ID: LCSSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCSSRM 460-88751/2-A		460-89265	460-88751	10/07/2011 18:56	4	TAL EDI	TS
A:6010B	LCSSRM 460-88751/2-A		460-89265	460-88751	10/12/2011 13:34	4	TAL EDI	VD
P:7471A	LCSSRM 460-88747/11-A ^10		460-88757	460-88747	10/07/2011 18:00	10	TAL EDI	TS
A:7471A	LCSSRM 460-88747/11-A ^10		460-88757	460-88747	10/07/2011 21:15	10	TAL EDI	TS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Laboratory Chronicle

Lab ID: MS

Client ID: N/A

Sample Date/Time: 09/29/2011 10:55

Received Date/Time: 10/05/2011 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	460-32001-D-7-D MS		460-89072	460-88637	10/07/2011 03:03	1	TAL EDI	ARA
A:8081A	460-32001-D-7-D MS		460-89072	460-88637	10/11/2011 12:06	1	TAL EDI	FM
P:3541	460-32001-D-7-J MS		460-89110	460-88999	10/11/2011 03:23	1	TAL EDI	ARA
A:8082	460-32001-D-7-J MS		460-89110	460-88999	10/11/2011 10:42	1	TAL EDI	SD
P:3050B	460-31913-A-2-F MS		460-89265	460-88751	10/07/2011 18:56	4	TAL EDI	TS
A:6010B	460-31913-A-2-F MS ^4		460-89265	460-88751	10/12/2011 13:48	4	TAL EDI	VD
P:7471A	460-31914-E-14-B MS		460-88757	460-88747	10/07/2011 18:00	1	TAL EDI	TS
A:7471A	460-31914-E-14-B MS		460-88757	460-88747	10/07/2011 21:20	1	TAL EDI	TS
A:Moisture	460-31956-A-7 MS		460-88549		10/06/2011 14:16	1	TAL EDI	CHA

Lab ID: MSD

Client ID: N/A

Sample Date/Time: 09/29/2011 10:55

Received Date/Time: 10/05/2011 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	460-32001-D-7-E MSD		460-89072	460-88637	10/07/2011 03:03	1	TAL EDI	ARA
A:8081A	460-32001-D-7-E MSD		460-89072	460-88637	10/11/2011 12:19	1	TAL EDI	FM
P:3541	460-32001-D-7-K MSD		460-89110	460-88999	10/11/2011 03:23	1	TAL EDI	ARA
A:8082	460-32001-D-7-K MSD		460-89110	460-88999	10/11/2011 10:58	1	TAL EDI	SD

Lab ID: DU

Client ID: N/A

Sample Date/Time: 09/29/2011 10:55

Received Date/Time: 10/05/2011 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	460-32001-A-7-B DU		460-89072	460-88637	10/07/2011 03:03	1	TAL EDI	ARA
A:8081A	460-32001-A-7-B DU		460-89072	460-88637	10/11/2011 13:15	1	TAL EDI	FM
P:3541	460-32001-A-7-D DU		460-89110	460-88999	10/11/2011 03:23	1	TAL EDI	ARA
A:8082	460-32001-A-7-D DU		460-89110	460-88999	10/11/2011 10:26	1	TAL EDI	SD
P:3050B	460-31913-A-2-E DU		460-89265	460-88751	10/07/2011 18:56	4	TAL EDI	TS
A:6010B	460-31913-A-2-E DU ^4		460-89265	460-88751	10/12/2011 13:38	4	TAL EDI	VD
P:7471A	460-31914-A-14-A DU		460-88757	460-88747	10/07/2011 18:00	1	TAL EDI	TS
A:7471A	460-31914-A-14-A DU		460-88757	460-88747	10/07/2011 21:18	1	TAL EDI	TS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Laboratory Chronicle

Lab ID: SD

Client ID: N/A

Sample Date/Time: 10/03/2011 09:15

Received Date/Time: 10/03/2011 17:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-31913-A-2-D SD ^4		460-89265	460-88751	10/07/2011 18:56	20	TAL EDI	TS
A:6010B	460-31913-A-2-D SD ^4		460-89265	460-88751	10/12/2011 13:45	20	TAL EDI	VD
P:3050B	460-31913-A-2-D PDS		460-89265	460-88751	10/07/2011 18:56	4	TAL EDI	TS
A:6010B	460-31913-A-2-D PDS		460-89265	460-88751	10/12/2011 13:52	4	TAL EDI	VD
P:7471A	460-31914-E-14-A SD		460-88757	460-88747	10/07/2011 18:00	5	TAL EDI	TS
A:7471A	460-31914-E-14-A SD		460-88757	460-88747	10/07/2011 22:13	5	TAL EDI	TS

Lab References:

TAL EDI = TestAmerica Edison

Method 8081 - Delaware

Organochlorine Pesticides (GC) by
Method 8081 (Delaware)

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Matrix: Solid Level: Low
GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
SO-17338-092811-MM-091	460-32010-5	54	55	78	111
	MB 460-88637/1-A	86	84	104	137
	LCS 460-88637/2-A	107	98	139	117
	460-32001-D-7-D MS	62	58	58	120
	460-32001-D-7-E MSD	62	57	64	84
	460-32001-A-7-B DU	28 X	28 X	38 X	85

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

QC LIMITS
40-150
53-150

Column to be used to flag recovery values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: xf125272.d
 Lab ID: LCS 460-88637/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
alpha-BHC	133	128	96	58-138	
beta-BHC	133	124	93	60-139	
delta-BHC	133	131	98	60-141	
gamma-BHC (Lindane)	133	130	98	58-136	
Heptachlor	133	126	94	58-137	
Aldrin	133	133	100	58-143	
Heptachlor epoxide	133	126	94	59-136	
Endosulfan I	133	128	96	60-138	
Dieldrin	133	133	100	55-128	
4,4'-DDE	133	130	98	58-150	
Endrin	133	133	100	61-150	
Endosulfan II	133	131	99	59-133	
4,4'-DDD	133	128	96	63-150	
Endosulfan sulfate	133	129	97	56-133	
4,4'-DDT	133	130	98	57-150	
Methoxychlor	133	122	92	42-150	
Endrin ketone	133	140	105	62-139	
Endrin aldehyde	133	110	83	55-122	
alpha-Chlordane	133	125	94	49-143	
gamma-Chlordane	133	129	97	45-147	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: xr125272.d
 Lab ID: LCS 460-88637/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
alpha-BHC	133	120	90	58-138	
beta-BHC	133	130	98	60-139	
delta-BHC	133	122	91	60-141	
gamma-BHC (Lindane)	133	120	90	58-136	
Heptachlor	133	122	91	58-137	
Aldrin	133	119	89	58-143	
Heptachlor epoxide	133	130	97	59-136	
Endosulfan I	133	131	99	60-138	
Dieldrin	133	134	101	55-128	
4,4'-DDE	133	129	97	58-150	
Endrin	133	137	102	61-150	
Endosulfan II	133	136	102	59-133	
4,4'-DDD	133	136	102	63-150	
Endosulfan sulfate	133	118	89	56-133	
4,4'-DDT	133	132	99	57-150	
Methoxychlor	133	118	89	42-150	
Endrin ketone	133	120	90	62-139	
Endrin aldehyde	133	117	88	55-122	
alpha-Chlordane	133	90.7	68	49-143	
gamma-Chlordane	133	129	97	45-147	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: xf125274.d
 Lab ID: 460-32001-D-7-D MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
alpha-BHC	166	8.3 U	111	67	58-138	
beta-BHC	166	8.3 U	104	62	60-139	
delta-BHC	166	8.3 U	115	69	60-141	
gamma-BHC (Lindane)	166	8.3 U	107	65	58-136	
Heptachlor	166	8.3 U	112	67	58-137	
Aldrin	166	8.3 U	119	72	58-143	
Heptachlor epoxide	166	8.3 U	112	68	59-136	
Endosulfan I	166	8.3 U	110	66	60-138	
Dieldrin	166	8.3 U	112	67	55-128	
4,4'-DDE	166	8.3 U	111	67	58-150	
Endrin	166	8.3 U	114	69	61-150	
Endosulfan II	166	8.3 U	112	67	59-133	
4,4'-DDD	166	8.3 U	109	66	63-150	
Endosulfan sulfate	166	8.3 U	118	71	56-133	
4,4'-DDT	166	8.3 U	109	65	57-150	
Methoxychlor	166	8.3 U	115	69	42-150	
Endrin ketone	166	8.3 U	114	69	62-139	
Endrin aldehyde	166	8.6	96.7	53	55-122	F
alpha-Chlordane	166	8.3 U	109	66	49-143	
gamma-Chlordane	166	8.3 U	111	67	45-147	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: xr125274.d
 Lab ID: 460-32001-D-7-D MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
alpha-BHC	166	8.3 U	110	66	58-138	
beta-BHC	166	8.3 U	110	66	60-139	
delta-BHC	166	8.3 U	110	66	60-141	
gamma-BHC (Lindane)	166	8.3 U	109	66	58-136	
Heptachlor	166	8.3 U	110	66	58-137	
Aldrin	166	8.3 U	109	65	58-143	
Heptachlor epoxide	166	8.3 U	120	72	59-136	
Endosulfan I	166	8.3 U	116	70	60-138	
Dieldrin	166	8.3 U	120	72	55-128	
4,4'-DDE	166	8.3 U	119	72	58-150	
Endrin	166	8.3 U	120	72	61-150	
Endosulfan II	166	8.3 U	114	68	59-133	
4,4'-DDD	166	8.3 U	116	70	63-150	
Endosulfan sulfate	166	8.3 U	95.3	57	56-133	
4,4'-DDT	166	8.3 U	109	66	57-150	
Methoxychlor	166	8.3 U	96.7	58	42-150	
Endrin ketone	166	8.3 U	100	60	62-139	F
Endrin aldehyde	166	8.2 J	90.4	49	55-122	F
alpha-Chlordane	166	8.3 U	115	69	49-143	
gamma-Chlordane	166	8.3 U	118	71	45-147	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: xf125275.d
 Lab ID: 460-32001-D-7-E MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
alpha-BHC	166	112	67	1	30	58-138	
beta-BHC	166	110	66	6	30	60-139	
delta-BHC	166	118	71	3	30	60-141	
gamma-BHC (Lindane)	166	114	69	6	30	58-136	
Heptachlor	166	116	70	3	30	58-137	
Aldrin	166	119	72	0	30	58-143	
Heptachlor epoxide	166	113	68	0	30	59-136	
Endosulfan I	166	110	66	0	30	60-138	
Dieldrin	166	113	68	1	30	55-128	
4,4'-DDE	166	115	69	3	30	58-150	
Endrin	166	116	70	1	30	61-150	
Endosulfan II	166	112	68	1	30	59-133	
4,4'-DDD	166	112	68	2	30	63-150	
Endosulfan sulfate	166	108	65	8	30	56-133	
4,4'-DDT	166	112	67	3	30	57-150	
Methoxychlor	166	105	63	9	30	42-150	
Endrin ketone	166	111	67	3	30	62-139	
Endrin aldehyde	166	101	55	4	30	55-122	
alpha-Chlordane	166	111	67	2	30	49-143	
gamma-Chlordane	166	113	68	1	30	45-147	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: xr125275.d
 Lab ID: 460-32001-D-7-E MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
alpha-BHC	166	114	69	3	30	58-138	
beta-BHC	166	113	68	9	30	60-139	
delta-BHC	166	113	68	1	30	60-141	
gamma-BHC (Lindane)	166	114	69	6	30	58-136	
Heptachlor	166	113	68	1	30	58-137	
Aldrin	166	112	67	7	30	58-143	
Heptachlor epoxide	166	119	72	6	30	59-136	
Endosulfan I	166	117	70	6	30	60-138	
Dieldrin	166	123	74	9	30	55-128	
4,4'-DDE	166	123	74	10	30	58-150	
Endrin	166	122	74	7	30	61-150	
Endosulfan II	166	117	71	5	30	59-133	
4,4'-DDD	166	122	74	11	30	63-150	
Endosulfan sulfate	166	99.5	60	17	30	56-133	
4,4'-DDT	166	115	69	6	30	57-150	
Methoxychlor	166	104	63	10	30	42-150	
Endrin ketone	166	106	64	8	30	62-139	
Endrin aldehyde	166	99.9	55	3	30	55-122	
alpha-Chlordane	166	116	70	6	30	49-143	
gamma-Chlordane	166	119	72	7	30	45-147	

Column to be used to flag recovery and RPD values

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Lab Sample ID: MB 460-88637/1-A
Matrix: Solid Date Extracted: 10/07/2011 03:03
Lab File ID: (1) xr125291.d Lab File ID: (2) xf125291.d
Date Analyzed: (1) 10/11/2011 16:00 Date Analyzed: (2) 10/11/2011 16:00
Instrument ID: (1) PESTGC1 Instrument ID: (2) PESTGC1
GC Column: (1) CLP-1 ID: 0.53(mm) GC Column: (2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE	
		ANALYZED 1	ANALYZED 2
	LCS 460-88637/2-A	10/11/2011 11:38	10/11/2011 11:38
	460-32001-D-7-D MS	10/11/2011 12:06	10/11/2011 12:06
	460-32001-D-7-E MSD	10/11/2011 12:19	10/11/2011 12:19
	460-32001-A-7-B DU	10/11/2011 13:15	10/11/2011 13:15
SO-17338-092811-MM-091	460-32010-5	10/12/2011 10:15	10/12/2011 10:15

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Sample No.: CCVRT 460-89072/2 Date Analyzed: 10/11/2011 10:45
 Instrument ID: PESTGC1 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): xf125269.d Heated Purge: (Y/N) N
 Calibration ID: 12591

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.59	10.75	
UPPER LIMIT				2.64	10.85	
LOWER LIMIT				2.54	10.65	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
PIBLK 460-89072/1		10/11/2011 10:31	xf125268.d	2.59	10.75	
CCVRT 460-89072/2		10/11/2011 10:45	xf125269.d	2.59	10.75	
460-32001-D-7-D MS		10/11/2011 12:06	xf125274.d	2.59	10.75	
460-32001-D-7-E MSD		10/11/2011 12:19	xf125275.d	2.60	10.75	
460-32001-A-7-B DU		10/11/2011 13:15	xf125279.d	2.60	10.75	
MB 460-88637/1-A		10/11/2011 16:00	xf125291.d	2.60	10.75	
PIBLK 460-89072/25		10/11/2011 16:14	xf125292.d	2.60	10.75	
CCV 460-89072/26		10/11/2011 16:28	xf125293.d	2.60	10.75	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = $\pm$ 0.05 minutes of surrogate RT
 DCB RT Limit = $\pm$ 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Sample No.: CCVRT 460-89072/2 Date Analyzed: 10/11/2011 10:45
 Instrument ID: PESTGC1 GC Column: CLP-1 ID: 0.53 (mm)
 Lab File ID (Standard): xr125269.d Heated Purge: (Y/N) N
 Calibration ID: 12590

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.93	9.38	
UPPER LIMIT				1.98	9.48	
LOWER LIMIT				1.88	9.28	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
PIBLK 460-89072/1		10/11/2011 10:31	xr125268.d	1.93	9.38	
CCVRT 460-89072/2		10/11/2011 10:45	xr125269.d	1.93	9.38	
460-32001-D-7-D MS		10/11/2011 12:06	xr125274.d	1.93	9.38	
460-32001-D-7-E MSD		10/11/2011 12:19	xr125275.d	1.93	9.38	
460-32001-A-7-B DU		10/11/2011 13:15	xr125279.d	1.93	9.38	
MB 460-88637/1-A		10/11/2011 16:00	xr125291.d	1.93	9.38	
PIBLK 460-89072/25		10/11/2011 16:14	xr125292.d	1.93	9.38	
CCV 460-89072/26		10/11/2011 16:28	xr125293.d	1.93	9.38	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
 DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Sample No.: CCVRT 460-89301/5 Date Analyzed: 10/12/2011 07:24
 Instrument ID: PESTGC1 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): xf125355.d Heated Purge: (Y/N) N
 Calibration ID: 12591

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.59	10.75	
UPPER LIMIT				2.64	10.85	
LOWER LIMIT				2.54	10.65	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
PIBLK 460-89301/2		10/12/2011 06:43	xf125352.d	2.59	10.75	
CCVRT 460-89301/5		10/12/2011 07:24	xf125355.d	2.59	10.75	
460-32010-5	SO-17338-092811-MM-09 1	10/12/2011 10:15	xf125367.d	2.59	10.75	
PIBLK 460-89301/24		10/12/2011 11:51	xf125374.d	2.59	10.75	
CCV 460-89301/25		10/12/2011 12:05	xf125375.d	0.00	0.00	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
 DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Sample No.: CCVRT 460-89301/5 Date Analyzed: 10/12/2011 07:24
 Instrument ID: PESTGC1 GC Column: CLP-1 ID: 0.53 (mm)
 Lab File ID (Standard): xr125355.d Heated Purge: (Y/N) N
 Calibration ID: 12590

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.92	9.38	
UPPER LIMIT				1.97	9.48	
LOWER LIMIT				1.87	9.28	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
PIBLK 460-89301/2		10/12/2011 06:43	xr125352.d	1.92	9.38	
CCVRT 460-89301/5		10/12/2011 07:24	xr125355.d	1.92	9.38	
460-32010-5	SO-17338-092811-MM-09 1	10/12/2011 10:15	xr125367.d	1.92	9.38	
PIBLK 460-89301/24		10/12/2011 11:51	xr125374.d	1.92	9.38	
CCV 460-89301/25		10/12/2011 12:05	xr125375.d	1.92	9.38	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = $\pm$ 0.05 minutes of surrogate RT
 DCB RT Limit = $\pm$ 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-88637/2-A
 Instrument ID (1): PESTGC1 Instrument ID (2): PESTGC1
 Date Analyzed (1): 10/11/2011 11:38 Date Analyzed (2): 10/11/2011 11:38
 GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.31	2.26	2.36	120		6.0
	2		3.18	3.13	3.23	128		
gamma-BHC (Lindane)	1		2.54	2.49	2.59	120		8.4
	2		3.68	3.63	3.73	130		
beta-BHC	1		2.60	2.55	2.65	130		5.0
	2		3.83	3.78	3.88	124		
delta-BHC	1		2.73	2.68	2.78	122		7.5
	2		4.61	4.56	4.66	131		
Heptachlor	1		2.89	2.84	2.94	122		3.3
	2		4.81	4.76	4.86	126		
Aldrin	1		3.16	3.11	3.21	119		11.0
	2		5.72	5.67	5.77	133		
Heptachlor epoxide	1		4.02	3.95	4.09	130		3.2
	2		7.15	7.08	7.22	126		
gamma-Chlordane	1		4.31	4.24	4.38	129		0.5
	2		7.46	7.39	7.53	129		
alpha-Chlordane	1		4.61	4.55	4.69	90.7		32.1
	2		7.65	7.58	7.72	125		
4,4'-DDE	1		4.83	4.76	4.90	129		1.3
	2		7.82	7.75	7.89	130		
Endosulfan I	1		4.94	4.87	5.01	131		3.0
	2		7.73	7.66	7.80	128		
Dieldrin	1		5.53	5.46	5.60	134		0.7
	2		8.05	7.98	8.12	133		
Endrin	1		6.12	6.05	6.19	137		2.9
	2		8.42	8.35	8.49	133		
4,4'-DDD	1		6.32	6.25	6.39	136		6.2
	2		8.50	8.43	8.57	128		
Endosulfan II	1		6.66	6.59	6.73	136		3.5
	2		8.66	8.59	8.73	131		
4,4'-DDT	1		6.97	6.90	7.04	132		1.4
	2		8.88	8.81	8.95	130		
Endrin aldehyde	1		7.43	7.36	7.50	117		6.0
	2		9.07	9.00	9.14	110		
Methoxychlor	1		7.69	7.62	7.76	118		3.6
	2		9.57	9.50	9.64	122		
Endosulfan sulfate	1		7.93	7.86	8.00	118		8.6
	2		9.37	9.30	9.44	129		
Endrin ketone	1		8.24	8.18	8.32	120		15.1
	2		9.80	9.73	9.87	140		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 460-32001-D-7-D MS

Instrument ID (1): PESTGC1 Instrument ID (2): PESTGC1

Date Analyzed (1): 10/11/2011 12:06 Date Analyzed (2): 10/11/2011 12:06

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.31	2.26	2.36	110		0.8
	2		3.18	3.13	3.23	111		
gamma-BHC (Lindane)	1		2.53	2.49	2.59	109		1.7
	2		3.68	3.63	3.73	107		
beta-BHC	1		2.60	2.55	2.65	110		6.2
	2		3.83	3.78	3.88	104		
delta-BHC	1		2.73	2.68	2.78	110		4.1
	2		4.61	4.56	4.66	115		
Heptachlor	1		2.89	2.84	2.94	110		1.8
	2		4.81	4.76	4.86	112		
Aldrin	1		3.16	3.11	3.21	109		9.3
	2		5.72	5.67	5.77	119		
Heptachlor epoxide	1		4.02	3.95	4.09	120		6.2
	2		7.15	7.08	7.22	112		
gamma-Chlordane	1		4.31	4.24	4.38	118		6.1
	2		7.46	7.39	7.53	111		
alpha-Chlordane	1		4.62	4.55	4.69	115		5.3
	2		7.65	7.58	7.72	109		
4,4'-DDE	1		4.83	4.76	4.90	119		6.7
	2		7.82	7.75	7.89	111		
Endosulfan I	1		4.94	4.87	5.01	116		5.2
	2		7.73	7.66	7.80	110		
Dieldrin	1		5.53	5.46	5.60	120		6.8
	2		8.05	7.98	8.12	112		
Endrin	1		6.12	6.05	6.19	120		5.3
	2		8.42	8.35	8.49	114		
4,4'-DDD	1		6.32	6.25	6.39	116		5.9
	2		8.50	8.43	8.57	109		
Endosulfan II	1		6.66	6.59	6.73	114		1.8
	2		8.66	8.59	8.73	112		
4,4'-DDT	1		6.97	6.90	7.04	109		0.5
	2		8.88	8.81	8.95	109		
Endrin aldehyde	1		7.43	7.36	7.50	90.4		6.7
	2		9.07	9.00	9.14	96.7		
Methoxychlor	1		7.69	7.62	7.76	96.7		17.4
	2		9.57	9.50	9.64	115		
Endosulfan sulfate	1		7.93	7.86	8.00	95.3		21.1
	2		9.36	9.30	9.44	118		
Endrin ketone	1		8.24	8.18	8.32	100		13.3
	2		9.80	9.73	9.87	114		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 460-32001-D-7-E MSD

Instrument ID (1): PESTGC1 Instrument ID (2): PESTGC1

Date Analyzed (1): 10/11/2011 12:19 Date Analyzed (2): 10/11/2011 12:19

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.32	2.26	2.36	114		1.6
	2		3.18	3.13	3.23	112		
gamma-BHC (Lindane)	1		2.54	2.49	2.59	114		0.3
	2		3.68	3.63	3.73	114		
beta-BHC	1		2.60	2.55	2.65	113		2.6
	2		3.83	3.78	3.88	110		
delta-BHC	1		2.73	2.68	2.78	113		4.3
	2		4.61	4.56	4.66	118		
Heptachlor	1		2.89	2.84	2.94	113		2.5
	2		4.82	4.76	4.86	116		
Aldrin	1		3.16	3.11	3.21	112		6.4
	2		5.72	5.67	5.77	119		
Heptachlor epoxide	1		4.02	3.95	4.09	119		5.5
	2		7.15	7.08	7.22	113		
gamma-Chlordane	1		4.31	4.24	4.38	119		5.4
	2		7.46	7.39	7.53	113		
alpha-Chlordane	1		4.62	4.55	4.69	116		3.6
	2		7.65	7.58	7.72	111		
4,4'-DDE	1		4.83	4.76	4.90	123		7.0
	2		7.82	7.75	7.89	115		
Endosulfan I	1		4.94	4.87	5.01	117		5.6
	2		7.73	7.66	7.80	110		
Dieldrin	1		5.53	5.46	5.60	123		7.7
	2		8.05	7.98	8.12	113		
Endrin	1		6.12	6.05	6.19	122		5.6
	2		8.42	8.35	8.49	116		
4,4'-DDD	1		6.32	6.25	6.39	122		8.5
	2		8.50	8.43	8.57	112		
Endosulfan II	1		6.66	6.59	6.73	117		4.1
	2		8.66	8.59	8.73	112		
4,4'-DDT	1		6.97	6.90	7.04	115		2.8
	2		8.88	8.81	8.95	112		
Endrin aldehyde	1		7.43	7.36	7.50	99.9		0.7
	2		9.07	9.00	9.14	101		
Methoxychlor	1		7.69	7.62	7.76	104		1.3
	2		9.57	9.50	9.64	105		
Endosulfan sulfate	1		7.93	7.86	8.00	99.5		8.6
	2		9.37	9.30	9.44	108		
Endrin ketone	1		8.24	8.18	8.32	106		5.3
	2		9.80	9.73	9.87	111		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-32001-A-7-B DU
 Instrument ID (1): PESTGC1 Instrument ID (2): PESTGC1
 Date Analyzed (1): 10/11/2011 13:15 Date Analyzed (2): 10/11/2011 13:15
 GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Endrin aldehyde	1		7.40	7.36	7.50	5.03		23.3
	2		9.02	9.00	9.14	6.35		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Client Sample ID: SO-17338-092811-MM-091 Lab Sample ID: 460-32010-5
Matrix: Solid Lab File ID: xf125367.d
Analysis Method: 8081A Date Collected: 09/28/2011 11:40
Extraction Method: 3541 Date Extracted: 10/07/2011 03:03
Sample wt/vol: 15.00(g) Date Analyzed: 10/12/2011 10:15
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 20.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 89301 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	111		53-150
877-09-8	Tetrachloro-m-xylene	55		40-150

Data File: xf125367.d
Report Date: 13-Oct-2011 06:36

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-12-11/12oct11a.b/xf125367.d
Lab Smp Id: 460-32010-D-5-B Client Smp ID: SO-17338-092811-MM-
Inj Date : 12-OCT-2011 10:15
Operator : Inst ID: PESTGC1.i
Smp Info : 460-32010-D-5-B
Misc Info : 460-32010-D-5-B
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-12-11/12oct11a.b/09Xf8081.m
Meth Date : 13-Oct-2011 06:16 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xf125059.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	20.56893	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8						
2.593	2.590	0.003	84541 27.4186	23	80.00- 120.00	100.00

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3						
10.750	10.750	0.000	114732 55.4459	46	80.00- 120.00	100.00

Data File: xf125367.d

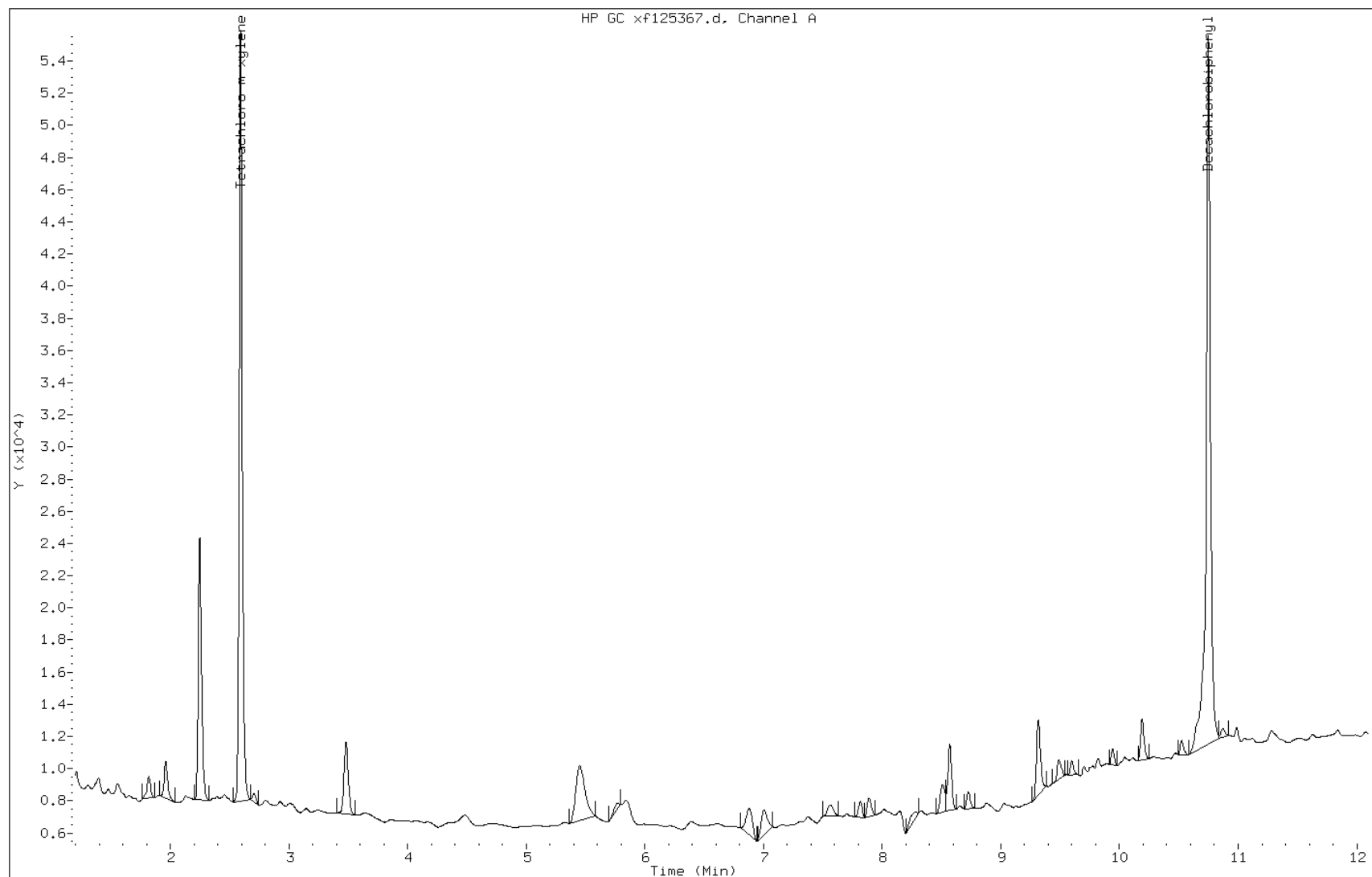
Date: 12-OCT-2011 10:15

Client ID: S0-17338-092811-MM-

Instrument: PESTGC1.i

Sample Info: 460-32010-D-5-B

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: SO-17338-092811-MM-091 Lab Sample ID: 460-32010-5
 Matrix: Solid Lab File ID: xr125367.d
 Analysis Method: 8081A Date Collected: 09/28/2011 11:40
 Extraction Method: 3541 Date Extracted: 10/07/2011 03:03
 Sample wt/vol: 15.00(g) Date Analyzed: 10/12/2011 10:15
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 20.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89301 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	8.4	U	8.4	1.6
319-85-7	beta-BHC	8.4	U	8.4	1.1
319-86-8	delta-BHC	8.4	U	8.4	1.3
58-89-9	gamma-BHC (Lindane)	8.4	U	8.4	0.98
76-44-8	Heptachlor	8.4	U	8.4	1.2
309-00-2	Aldrin	8.4	U	8.4	1.9
1024-57-3	Heptachlor epoxide	8.4	U	8.4	1.7
959-98-8	Endosulfan I	8.4	U	8.4	1.8
60-57-1	Dieldrin	8.4	U	8.4	1.6
72-55-9	4,4'-DDE	8.4	U	8.4	1.6
72-20-8	Endrin	8.4	U	8.4	1.2
33213-65-9	Endosulfan II	8.4	U	8.4	1.3
72-54-8	4,4'-DDD	8.4	U	8.4	1.0
1031-07-8	Endosulfan sulfate	8.4	U	8.4	1.1
50-29-3	4,4'-DDT	8.4	U	8.4	1.1
72-43-5	Methoxychlor	8.4	U	8.4	0.94
53494-70-5	Endrin ketone	8.4	U	8.4	1.2
7421-93-4	Endrin aldehyde	8.4	U	8.4	2.1
5103-71-9	alpha-Chlordane	8.4	U	8.4	1.8
5103-74-2	gamma-Chlordane	8.4	U	8.4	1.7
8001-35-2	Toxaphene	84	U	84	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	78		53-150
877-09-8	Tetrachloro-m-xylene	54		40-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-12-11/12oct11a.b/xr125367.d
Lab Smp Id: 460-32010-D-5-B Client Smp ID: SO-17338-092811-MM-
Inj Date : 12-OCT-2011 10:15
Operator : Inst ID: PESTGC1.i
Smp Info : 460-32010-D-5-B
Misc Info : 460-32010-D-5-B
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-12-11/12oct11a.b/09Xr8081.m
Meth Date : 12-Oct-2011 13:00 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	20.56893	% Moisture

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS							
		ON-COL	FINAL						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====		=====	
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
1.923	1.923	0.000	158474	27.0717	23 80.00- 120.00	100.00			

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
9.377	9.377	0.000	175805	39.1461	33 80.00- 120.00	100.00			

Data File: xr125367.d

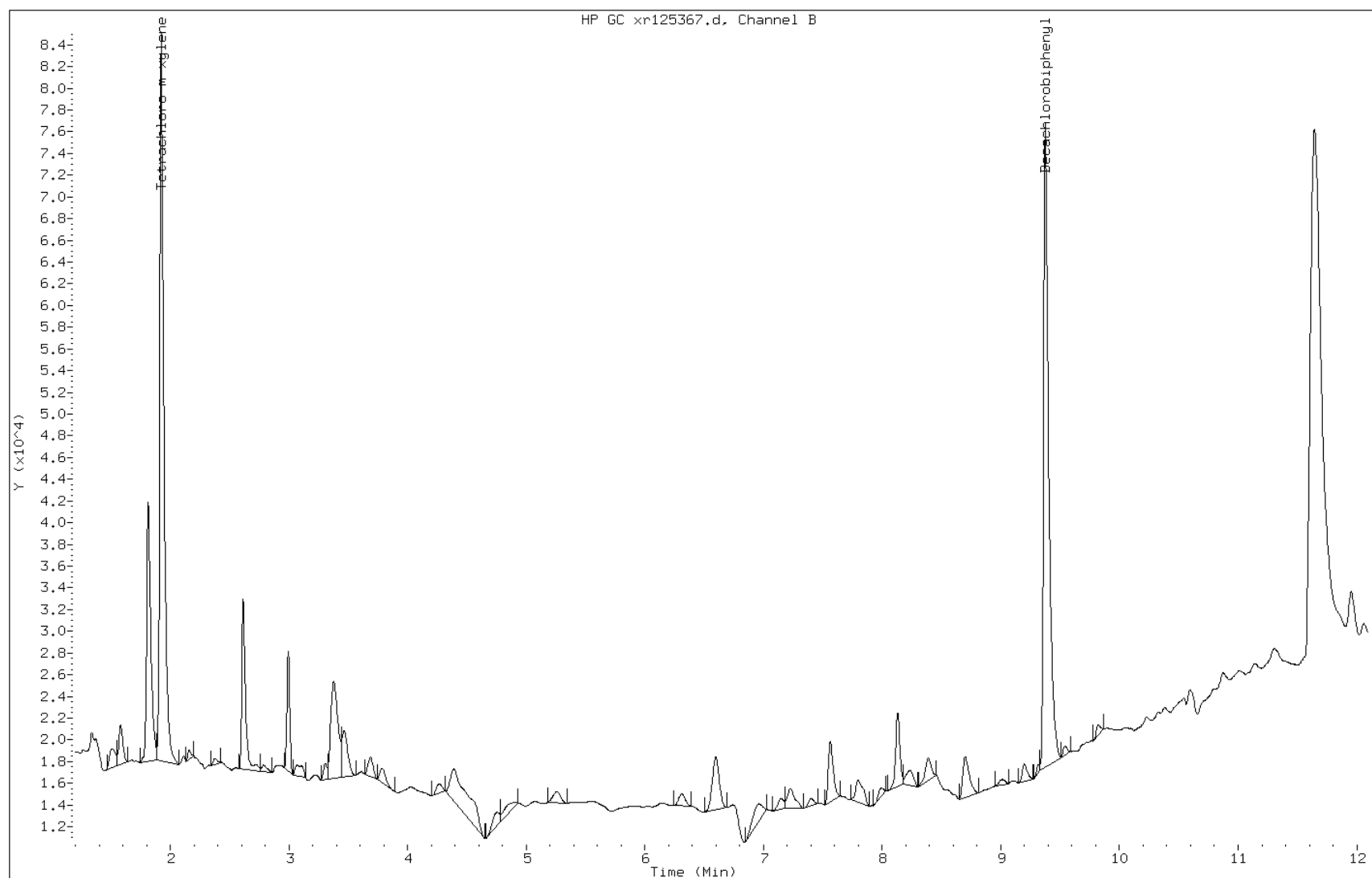
Date: 12-OCT-2011 10:15

Client ID: S0-17338-092811-MM-

Instrument: PESTGC1.i

Sample Info: 460-32010-D-5-B

Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 08:02 Calibration End Date: 10/05/2011 08:57 Calibration ID: 12591

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88313/6	xf125054.d
Level 2	IC 460-88313/7	xf125055.d
Level 3	IC 460-88313/5	xf125053.d
Level 4	IC 460-88313/8	xf125056.d
Level 5	IC 460-88313/9	xf125057.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
alpha-BHC	3.183	3.183	3.180	3.180	3.180						3.133 - 3.233	3.181
gamma-BHC (Lindane)	3.683	3.683	3.683	3.683	3.683						3.633 - 3.733	3.683
beta-BHC	3.840	3.840	3.837	3.837	3.837						3.787 - 3.887	3.838
delta-BHC	4.617	4.617	4.613	4.613	4.613						4.567 - 4.667	4.615
Heptachlor	4.820	4.823	4.820	4.820	4.820						4.770 - 4.870	4.821
Aldrin	5.727	5.727	5.727	5.727	5.727						5.677 - 5.777	5.727
Heptachlor epoxide	7.153	7.153	7.153	7.153	7.153						7.083 - 7.223	7.153
gamma-Chlordane	7.463	7.463	7.460	7.460	7.460						7.390 - 7.530	7.461
alpha-Chlordane	7.653	7.653	7.653	7.653	7.653						7.583 - 7.723	7.653
Endosulfan I	7.733	7.733	7.730	7.730	7.733						7.663 - 7.803	7.732
4,4'-DDE	7.827	7.827	7.827	7.823	7.827						7.757 - 7.897	7.826
Dieldrin	8.053	8.053	8.053	8.053	8.053						7.983 - 8.123	8.053
Endrin	8.420	8.420	8.420	8.420	8.420						8.350 - 8.490	8.420
4,4'-DDD	8.507	8.507	8.507	8.507	8.507						8.437 - 8.577	8.507
Endosulfan II	8.670	8.670	8.667	8.667	8.667						8.597 - 8.737	8.668
4,4'-DDT	8.890	8.890	8.887	8.887	8.887						8.817 - 8.957	8.888
Endrin aldehyde	9.070	9.070	9.070	9.070	9.070						9.000 - 9.140	9.070
Endosulfan sulfate	9.370	9.370	9.367	9.367	9.370						9.300 - 9.440	9.369
Methoxychlor	9.577	9.573	9.573	9.573	9.573						9.503 - 9.643	9.574
Endrin ketone	9.807	9.807	9.803	9.803	9.803						9.733 - 9.873	9.805
Tetrachloro-m-xylene	2.597	2.597	2.597	2.597	2.593						2.547 - 2.647	2.596
DCB Decachlorobiphenyl	10.753	10.753	10.753	10.753	10.753						10.653 - 10.853	10.753

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 08:02 Calibration End Date: 10/05/2011 08:57 Calibration ID: 12591

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88313/6	xf125054.d
Level 2	IC 460-88313/7	xf125055.d
Level 3	IC 460-88313/5	xf125053.d
Level 4	IC 460-88313/8	xf125056.d
Level 5	IC 460-88313/9	xf125057.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	4122.6 3929.6	4189.8	4552.7	4370.0	Ave		4232.94640				5.6		20.0			
gamma-BHC (Lindane)	4062.7 3992.7	4206.5	4621.5	4454.2	Ave		4267.53880				6.2		20.0			
beta-BHC	2215.7 1897.5	2090.9	2243.2	2135.0	Ave		2116.47640				6.5		20.0			
delta-BHC	3618.9 4258.7	4223.6	4812.1	4719.0	Ave		4326.44120				11.0		20.0			
Heptachlor	4130.3 4064.5	4174.1	4677.0	4529.9	Ave		4315.17640				6.3		20.0			
Aldrin	4197.3 4031.6	4138.4	4644.9	4485.7	Ave		4299.55960				6.0		20.0			
Heptachlor epoxide	3845.4 3400.6	3757.4	4024.0	3834.5	Ave		3772.37600				6.1		20.0			
gamma-Chlordane	3726.6 3267.5	3545.4	3805.8	3647.2	Ave		3598.48920				5.8		20.0			
alpha-Chlordane	3516.2 2909.9	3221.8	3437.2	3240.9	Ave		3265.18880				7.2		20.0			
Endosulfan I	3228.0 2831.9	3088.3	3296.9	3168.6	Ave		3122.72760				5.8		20.0			
4,4'-DDE	2937.9 2937.1	3037.3	3323.1	3234.1	Ave		3093.89920				5.7		20.0			
Dieldrin	3149.1 3033.8	3213.0	3477.4	3365.3	Ave		3247.74080				5.4		20.0			
Endrin	2614.0 2488.5	2645.9	2849.0	2763.3	Ave		2672.15760				5.2		20.0			
4,4'-DDD	2493.5 2574.5	2595.0	2834.4	2761.2	Ave		2651.69720				5.3		20.0			
Endosulfan II	2871.8 2625.7	2783.4	2967.9	2857.7	Ave		2821.29800				4.5		20.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 08:02 Calibration End Date: 10/05/2011 08:57 Calibration ID: 12591

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	2341.5 2520.6	2442.4	2727.0	2676.1	Ave		2541.54480				6.3		20.0			
Endrin aldehyde	2433.3 2080.8	2206.0	2322.0	2246.7	Ave		2257.76520				5.8		20.0			
Endosulfan sulfate	2322.4 2193.1	2230.1	2379.2	2330.6	Ave		2291.07400				3.4		20.0			
Methoxychlor	1312.9 1168.3	1196.8	1273.8	1235.4	Ave		1237.42200				4.7		20.0			
Endrin ketone	2593.0 2302.0	2417.8	2544.1	2517.0	Ave		2474.79920				4.7		20.0			
Tetrachloro-m-xylene	3236.1 2767.3	3292.1	3114.9	3006.5	Ave		3083.38667				6.8		20.0			
DCB Decachlorobiphenyl	2151.8 1897.5	2228.8	2048.1	2020.1	Ave		2069.27100				6.1		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 08:02 Calibration End Date: 10/05/2011 08:57 Calibration ID: 12591

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88313/6	xf125054.d
Level 2	IC 460-88313/7	xf125055.d
Level 3	IC 460-88313/5	xf125053.d
Level 4	IC 460-88313/8	xf125056.d
Level 5	IC 460-88313/9	xf125057.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	41226	209490	455272	1092498	1964810	10.0	50.0	100	250	500
gamma-BHC (Lindane)	Ave	40627	210327	462151	1113558	1996356	10.0	50.0	100	250	500
beta-BHC	Ave	22157	104547	224323	533759	948738	10.0	50.0	100	250	500
delta-BHC	Ave	36189	211178	481210	1179749	2129325	10.0	50.0	100	250	500
Heptachlor	Ave	41303	208707	467704	1132464	2032273	10.0	50.0	100	250	500
Aldrin	Ave	41973	206918	464488	1121420	2015789	10.0	50.0	100	250	500
Heptachlor epoxide	Ave	38454	187870	402402	958613	1700304	10.0	50.0	100	250	500
gamma-Chlordane	Ave	37266	177269	380577	911807	1633734	10.0	50.0	100	250	500
alpha-Chlordane	Ave	35162	161091	343716	810221	1454940	10.0	50.0	100	250	500
Endosulfan I	Ave	32280	154414	329686	792140	1415969	10.0	50.0	100	250	500
4,4'-DDE	Ave	29379	151863	332312	808536	1468536	10.0	50.0	100	250	500
Dieldrin	Ave	31491	160652	347742	841329	1516914	10.0	50.0	100	250	500
Endrin	Ave	26140	132296	284901	690828	1244273	10.0	50.0	100	250	500
4,4'-DDD	Ave	24935	129748	283435	690302	1287234	10.0	50.0	100	250	500
Endosulfan II	Ave	28718	139171	296793	714419	1312832	10.0	50.0	100	250	500
4,4'-DDT	Ave	23415	122121	272704	669035	1260312	10.0	50.0	100	250	500
Endrin aldehyde	Ave	24333	110300	232199	561680	1040408	10.0	50.0	100	250	500
Endosulfan sulfate	Ave	23224	111505	237922	582640	1096545	10.0	50.0	100	250	500
Methoxychlor	Ave	13129	59838	127376	308854	584137	10.0	50.0	100	250	500
Endrin ketone	Ave	25930	120890	254413	629262	1151009	10.0	50.0	100	250	500
Tetrachloro-m-xylene	Ave	80902	164606	311494	450968	553468	25.0	50.0	100	150	200
DCB Decachlorobiphenyl	Ave	53795	111440	204811	303015	379509	25.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-05-11aical/05oct11a.b/xf125053.d
Lab Smp Id: SGPESTL3_00010
Inj Date : 05-OCT-2011 08:02
Operator :
Smp Info : SGPESTL3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-05-11aical/05oct11a.b/09Xf8081.m
Meth Date : 05-Oct-2011 09:58 ferdie
Cal Date : 05-OCT-2011 08:29
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125055.d
Calibration Sample, Level: 3
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT		ON-COL	TARGET RANGE	RATIO
			RESPONSE	(ug/L)			
==	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)							
			CAS #: 877-09-8				
2.597	2.597	0.000	311494	100.000	100	80.00- 120.00	100.00

2 alpha-BHC			CAS #: 319-84-6				
3.180	3.180	0.000	455272	100.000	110	80.00- 120.00	100.00

5 gamma-BHC (Lindane)			CAS #: 58-89-9				
3.683	3.683	0.000	462151	100.000	110	80.00- 120.00	100.00

3 beta-BHC			CAS #: 319-85-7				
3.837	3.837	0.000	224323	100.000	100	80.00- 120.00	100.00

4 delta-BHC			CAS #: 319-86-8				
4.613	4.613	0.000	481210	100.000	110	80.00- 120.00	100.00

				AMOUNTS				
RT	EXP RT	DLT RT		RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====		=====	=====	=====	=====	=====
17 Heptachlor						CAS #:	76-44-8	
4.820	4.820	0.000		467704	100.000	110	80.00- 120.00	100.00

1 Aldrin						CAS #:	309-00-2	
5.727	5.727	0.000		464488	100.000	110	80.00- 120.00	100.00

18 Heptachlor epoxide						CAS #:	1024-57-3	
7.153	7.153	0.000		402402	100.000	110	80.00- 120.00	100.00

65 gamma-Chlordane						CAS #:	5103-74-2	
7.460	7.460	0.000		380577	100.000	100	80.00- 120.00	100.00

66 alpha-Chlordane						CAS #:	5103-71-9	
7.653	7.653	0.000		343716	100.000	100	80.00- 120.00	100.00

11 Endosulfan I						CAS #:	959-98-8	
7.730	7.730	0.000		329686	100.000	100	80.00- 120.00	100.00

8 4,4'-DDE						CAS #:	72-55-9	
7.827	7.827	0.000		332312	100.000	110	80.00- 120.00	100.00

10 Dieldrin						CAS #:	60-57-1	
8.053	8.053	0.000		347742	100.000	110	80.00- 120.00	100.00

14 Endrin						CAS #:	72-20-8	
8.420	8.420	0.000		284901	100.000	110	80.00- 120.00	100.00

7 4,4'-DDD						CAS #:	72-54-8	
8.507	8.507	0.000		283435	100.000	110	80.00- 120.00	100.00

12 Endosulfan II						CAS #:	33213-65-9	
8.667	8.667	0.000		296793	100.000	100	80.00- 120.00	100.00

9 4,4'-DDT						CAS #:	50-29-3	
8.887	8.887	0.000		272704	100.000	110	80.00- 120.00	100.00

15 Endrin aldehyde						CAS #:	7421-93-4	
9.070	9.070	0.000		232199	100.000	100	80.00- 120.00	100.00

13 Endosulfan sulfate						CAS #:	1031-07-8	
9.367	9.367	0.000		237922	100.000	100	80.00- 120.00	100.00

19 Methoxychlor						CAS #:	72-43-5	
9.573	9.573	0.000		127376	100.000	100	80.00- 120.00	100.00

16 Endrin ketone						CAS #:	53494-70-5	
9.803	9.803	0.000		254413	100.000	100	80.00- 120.00	100.00

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)									
CAS #: 2051-24-3									
10.753	10.753	0.000	204811	100.000	99	80.00-	120.00	100.00	

Data File: xf125053.d

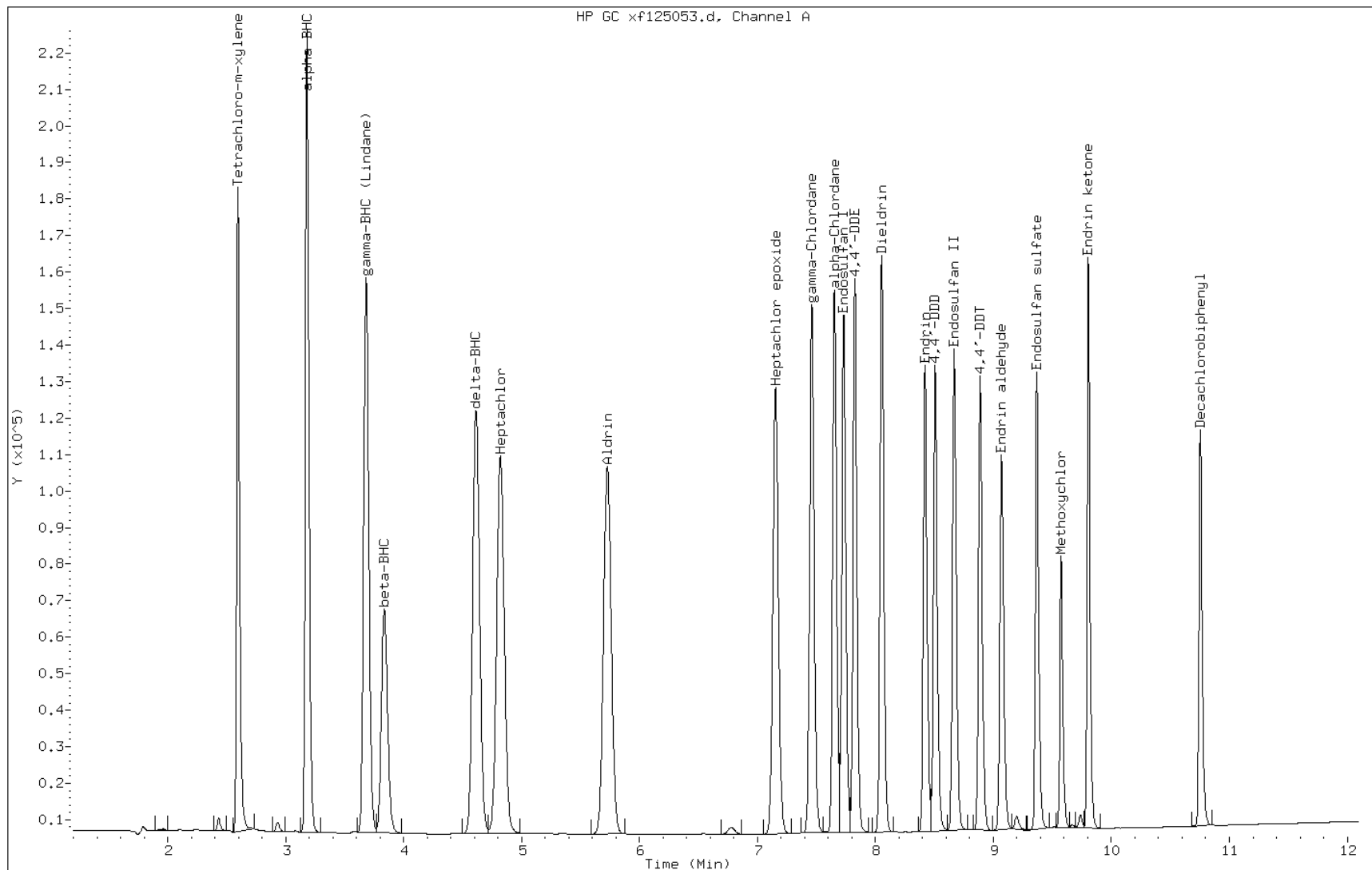
Date: 05-OCT-2011 08:02

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL3_00010

Operator:



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-05-11aical/05oct11a.b/xf125054.d
Lab Smp Id: SGPESTL1_00012
Inj Date : 05-OCT-2011 08:16
Operator :
Smp Info : SGPESTL1_00012
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-05-11aical/05oct11a.b/09Xf8081.m
Meth Date : 05-Oct-2011 09:58 ferdie
Cal Date : 05-OCT-2011 08:43
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125056.d
Calibration Sample, Level: 1
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
2.597	2.597	0.000	80902	25.0000	26	80.00-	120.00	100.00

2 alpha-BHC					CAS #:	319-84-6		
3.183	3.180	0.003	41226	10.0000	9.7	80.00-	120.00	100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
3.683	3.683	0.000	40627	10.0000	9.5	80.00-	120.00	100.00

3 beta-BHC					CAS #:	319-85-7		
3.840	3.837	0.003	22157	10.0000	10	80.00-	120.00	100.00

4 delta-BHC					CAS #:	319-86-8		
4.617	4.613	0.004	36189	10.0000	8.4	80.00-	120.00	100.00

			AMOUNTS					
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====		=====
17 Heptachlor								
4.820	4.820	0.000	41303	10.0000	9.6	80.00- 120.00		100.00

1 Aldrin								
5.727	5.727	0.000	41973	10.0000	9.8	80.00- 120.00		100.00

18 Heptachlor epoxide								
7.153	7.153	0.000	38454	10.0000	10	80.00- 120.00		100.00

65 gamma-Chlordane								
7.463	7.460	0.003	37266	10.0000	10	80.00- 120.00		100.00

66 alpha-Chlordane								
7.653	7.653	0.000	35162	10.0000	11	80.00- 120.00		100.00

11 Endosulfan I								
7.733	7.730	0.003	32280	10.0000	10	80.00- 120.00		100.00

8 4,4'-DDE								
7.827	7.827	0.000	29379	10.0000	9.5	80.00- 120.00		100.00

10 Dieldrin								
8.053	8.053	0.000	31491	10.0000	9.7	80.00- 120.00		100.00

14 Endrin								
8.420	8.420	0.000	26140	10.0000	9.8	80.00- 120.00		100.00

7 4,4'-DDD								
8.507	8.507	0.000	24935	10.0000	9.4	80.00- 120.00		100.00

12 Endosulfan II								
8.670	8.667	0.003	28718	10.0000	10	80.00- 120.00		100.00

9 4,4'-DDT								
8.890	8.887	0.003	23415	10.0000	9.2	80.00- 120.00		100.00

15 Endrin aldehyde								
9.070	9.070	0.000	24333	10.0000	11	80.00- 120.00		100.00

13 Endosulfan sulfate								
9.370	9.367	0.003	23224	10.0000	10	80.00- 120.00		100.00

19 Methoxychlor								
9.577	9.573	0.004	13129	10.0000	11	80.00- 120.00		100.00

16 Endrin ketone								
9.807	9.803	0.004	25930	10.0000	10	80.00- 120.00		100.00

Data File: xf125054.d
Report Date: 05-Oct-2011 09:58

Page 3

		AMOUNTS									
		CAL-AMT		ON-COL							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO					
==	=====	=====	=====	=====	=====	=====					
\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3						
10.753	10.753	0.000	53795	25.0000	26 80.00- 120.00	100.00					

Data File: xf125054.d

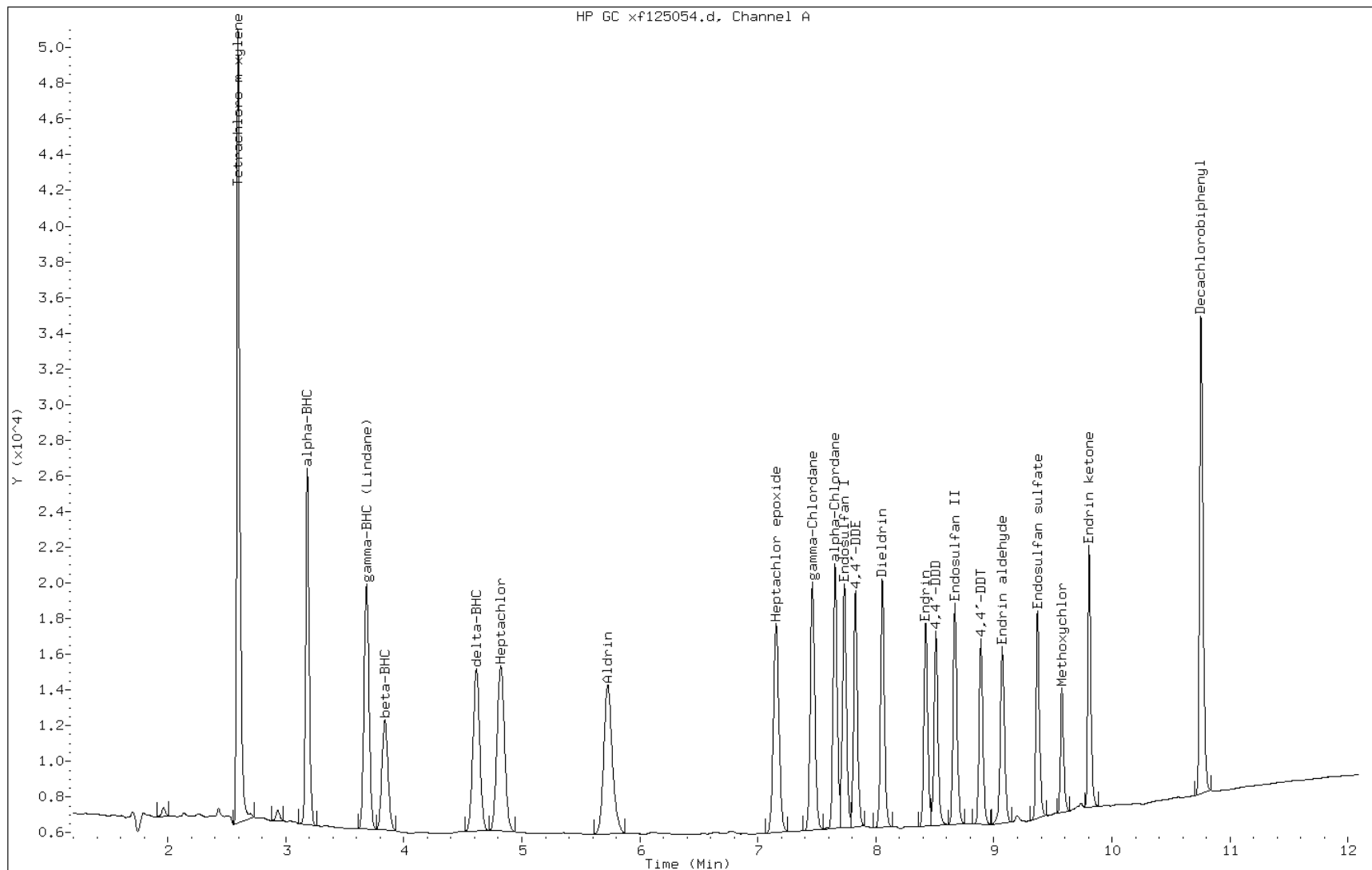
Date: 05-OCT-2011 08:16

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL1_00012

Operator:



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GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-05-11aical/05oct11a.b/xf125055.d
Lab Smp Id: SGPESTL2_00009
Inj Date : 05-OCT-2011 08:29
Operator :
Smp Info : SGPESTL2_00009
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-05-11aical/05oct11a.b/09Xf8081.m
Meth Date : 05-Oct-2011 09:58 ferdie
Cal Date : 05-OCT-2011 08:57
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125057.d
Calibration Sample, Level: 2
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
2.597	2.597	0.000	164606	50.0000	53	80.00-	120.00	100.00

2 alpha-BHC					CAS #:	319-84-6		
3.183	3.180	0.003	209490	50.0000	49	80.00-	120.00	100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
3.683	3.683	0.000	210327	50.0000	49	80.00-	120.00	100.00

3 beta-BHC					CAS #:	319-85-7		
3.840	3.837	0.003	104547	50.0000	49	80.00-	120.00	100.00

4 delta-BHC					CAS #:	319-86-8		
4.617	4.613	0.004	211178	50.0000	49	80.00-	120.00	100.00

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
4.823	4.820	0.003	208707	50.0000	48	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
5.727	5.727	0.000	206918	50.0000	48	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
7.153	7.153	0.000	187870	50.0000	50	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
7.463	7.460	0.003	177269	50.0000	49	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
7.653	7.653	0.000	161091	50.0000	49	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
7.733	7.730	0.003	154414	50.0000	49	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
7.827	7.827	0.000	151863	50.0000	49	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
8.053	8.053	0.000	160652	50.0000	49	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
8.420	8.420	0.000	132296	50.0000	50	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
8.507	8.507	0.000	129748	50.0000	49	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
8.670	8.667	0.003	139171	50.0000	49	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
8.890	8.887	0.003	122121	50.0000	48	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
9.070	9.070	0.000	110300	50.0000	49	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
9.370	9.367	0.003	111505	50.0000	49	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
9.573	9.573	0.000	59838	50.0000	48	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
9.807	9.803	0.004	120890	50.0000	49	80.00-	120.00	100.00

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT		ON-COL		RATIO
			RESPONSE (ug/L)	(ug/L)	TARGET RANGE		
==	=====	=====	=====	=====	=====		=====
\$ 30 Decachlorobiphenyl(surr)			CAS #: 2051-24-3				
10.753	10.753	0.000	111440	50.0000	54 80.00- 120.00		100.00

Data File: xf125055.d

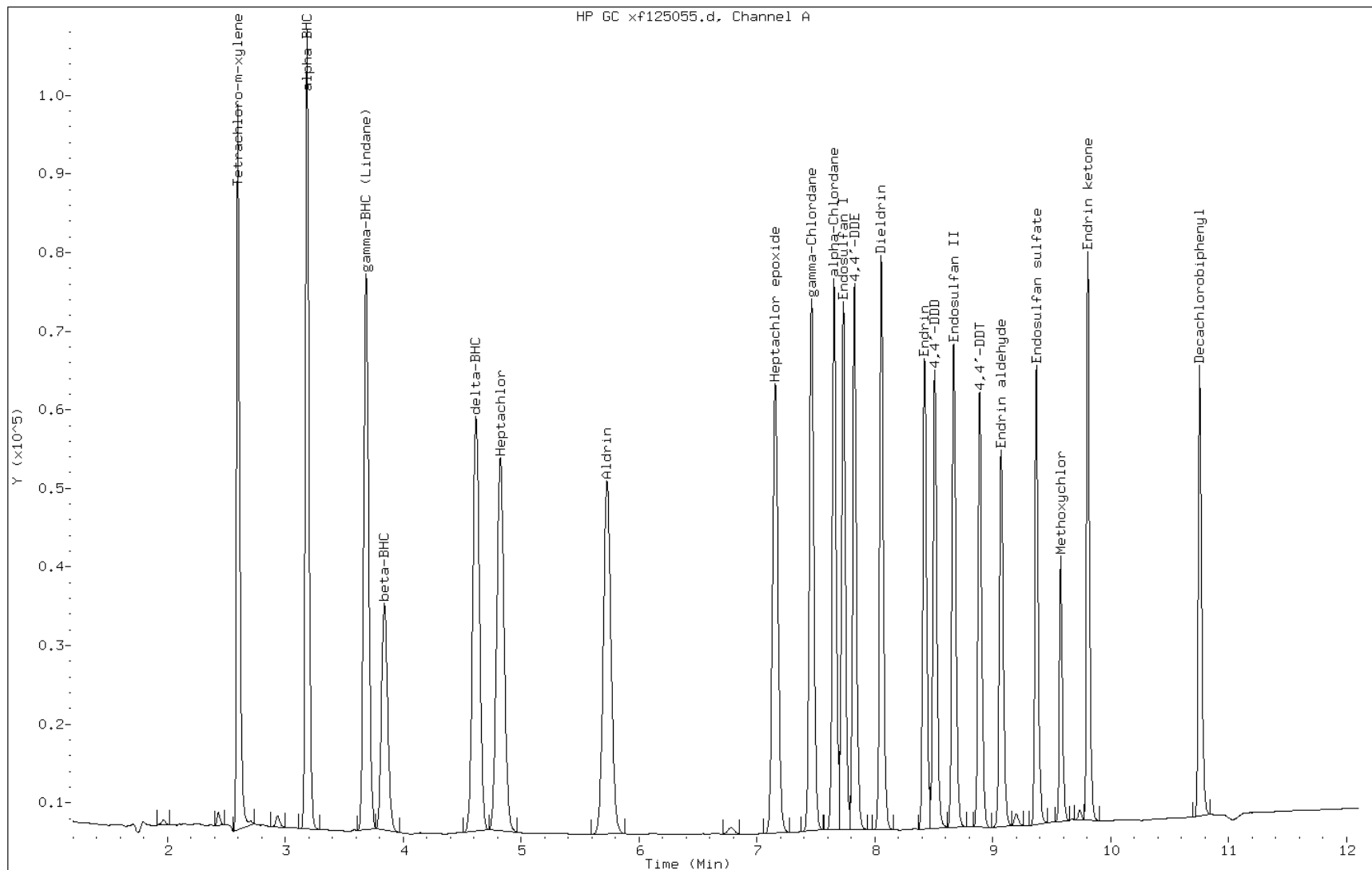
Date: 05-OCT-2011 08:29

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL2_00009

Operator:



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-05-11aical/05oct11a.b/xf125056.d
Lab Smp Id: SGPESTL4_00009
Inj Date : 05-OCT-2011 08:43
Operator :
Smp Info : SGPESTL4_00009
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-05-11aical/05oct11a.b/09Xf8081.m
Meth Date : 05-Oct-2011 09:58 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125059.d
Calibration Sample, Level: 4
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
2.597	2.597	0.000	450968	150.000	150	80.00-	120.00	100.00

2 alpha-BHC					CAS #:	319-84-6		
3.180	3.180	0.000	1092498	250.000	260	80.00-	120.00	100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
3.683	3.683	0.000	1113558	250.000	260	80.00-	120.00	100.00

3 beta-BHC					CAS #:	319-85-7		
3.837	3.837	0.000	533759	250.000	250	80.00-	120.00	100.00

4 delta-BHC					CAS #:	319-86-8		
4.613	4.613	0.000	1179749	250.000	270	80.00-	120.00	100.00

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17 Heptachlor								
4.820	4.820	0.000	1132464	250.000	260	80.00-	120.00	100.00
CAS #: 76-44-8								

1 Aldrin								
5.727	5.727	0.000	1121420	250.000	260	80.00-	120.00	100.00
CAS #: 309-00-2								

18 Heptachlor epoxide								
7.153	7.153	0.000	958613	250.000	250	80.00-	120.00	100.00
CAS #: 1024-57-3								

65 gamma-Chlordane								
7.460	7.460	0.000	911807	250.000	250	80.00-	120.00	100.00
CAS #: 5103-74-2								

66 alpha-Chlordane								
7.653	7.653	0.000	810221	250.000	250	80.00-	120.00	100.00
CAS #: 5103-71-9								

11 Endosulfan I								
7.730	7.730	0.000	792140	250.000	250	80.00-	120.00	100.00
CAS #: 959-98-8								

8 4,4'-DDE								
7.823	7.827	-0.004	808536	250.000	260	80.00-	120.00	100.00
CAS #: 72-55-9								

10 Dieldrin								
8.053	8.053	0.000	841329	250.000	260	80.00-	120.00	100.00
CAS #: 60-57-1								

14 Endrin								
8.420	8.420	0.000	690828	250.000	260	80.00-	120.00	100.00
CAS #: 72-20-8								

7 4,4'-DDD								
8.507	8.507	0.000	690302	250.000	260	80.00-	120.00	100.00
CAS #: 72-54-8								

12 Endosulfan II								
8.667	8.667	0.000	714419	250.000	250	80.00-	120.00	100.00
CAS #: 33213-65-9								

9 4,4'-DDT								
8.887	8.887	0.000	669035	250.000	260	80.00-	120.00	100.00
CAS #: 50-29-3								

15 Endrin aldehyde								
9.070	9.070	0.000	561680	250.000	250	80.00-	120.00	100.00
CAS #: 7421-93-4								

13 Endosulfan sulfate								
9.367	9.367	0.000	582640	250.000	250	80.00-	120.00	100.00
CAS #: 1031-07-8								

19 Methoxychlor								
9.573	9.573	0.000	308854	250.000	250	80.00-	120.00	100.00
CAS #: 72-43-5								

16 Endrin ketone								
9.803	9.803	0.000	629262	250.000	250	80.00-	120.00	100.00
CAS #: 53494-70-5								

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
\$ 30 Decachlorobiphenyl(surr)			CAS #: 2051-24-3						
10.753	10.753	0.000	303015	150.000	150	80.00- 120.00	100.00		

Data File: xf125056.d

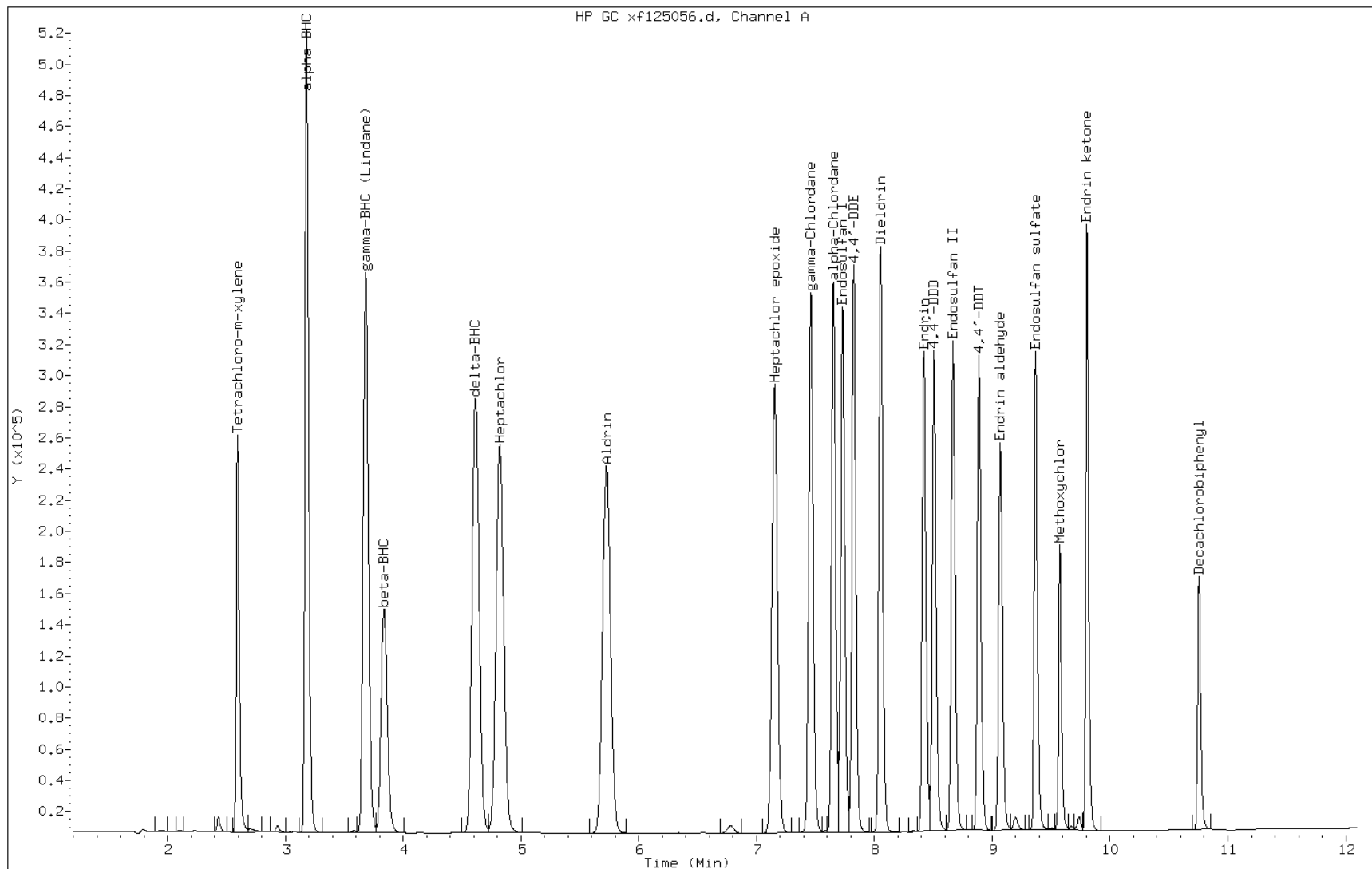
Date: 05-OCT-2011 08:43

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL4_00009

Operator:



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-05-11aical/05oct11a.b/xf125057.d
Lab Smp Id: SGPESTL5_00009
Inj Date : 05-OCT-2011 08:57
Operator : Inst ID: PESTGC1.i
Smp Info : SGPESTL5_00009
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-05-11aical/05oct11a.b/09Xf8081.m
Meth Date : 05-Oct-2011 09:58 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xf125059.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SCpestRANGE.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====		=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
2.593	2.597	-0.004	553468	200.000	180	80.00- 120.00		100.00

2 alpha-BHC					CAS #:	319-84-6		
3.180	3.183	-0.003	1964810	500.000	460	80.00- 120.00		100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
3.683	3.683	0.000	1996356	500.000	470	80.00- 120.00		100.00

3 beta-BHC					CAS #:	319-85-7		
3.837	3.837	0.000	948738	500.000	450	80.00- 120.00		100.00

4 delta-BHC					CAS #:	319-86-8		
4.613	4.617	-0.004	2129325	500.000	490	80.00- 120.00		100.00

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17 Heptachlor								
4.820	4.820	0.000	2032273	500.000	470	80.00-	120.00	100.00
CAS #: 76-44-8								

1 Aldrin								
5.727	5.727	0.000	2015789	500.000	470	80.00-	120.00	100.00
CAS #: 309-00-2								

18 Heptachlor epoxide								
7.153	7.153	0.000	1700304	500.000	450	80.00-	120.00	100.00
CAS #: 1024-57-3								

65 gamma-Chlordane								
7.460	7.460	0.000	1633734	500.000	450	80.00-	120.00	100.00
CAS #: 5103-74-2								

66 alpha-Chlordane								
7.653	7.653	0.000	1454940	500.000	440	80.00-	120.00	100.00
CAS #: 5103-71-9								

11 Endosulfan I								
7.733	7.733	0.000	1415969	500.000	450	80.00-	120.00	100.00
CAS #: 959-98-8								

8 4,4'-DDE								
7.827	7.827	0.000	1468536	500.000	470	80.00-	120.00	100.00
CAS #: 72-55-9								

10 Dieldrin								
8.053	8.053	0.000	1516914	500.000	470	80.00-	120.00	100.00
CAS #: 60-57-1								

14 Endrin								
8.420	8.420	0.000	1244273	500.000	460	80.00-	120.00	100.00
CAS #: 72-20-8								

7 4,4'-DDD								
8.507	8.507	0.000	1287234	500.000	480	80.00-	120.00	100.00
CAS #: 72-54-8								

12 Endosulfan II								
8.667	8.667	0.000	1312832	500.000	460	80.00-	120.00	100.00
CAS #: 33213-65-9								

9 4,4'-DDT								
8.887	8.887	0.000	1260312	500.000	500	80.00-	120.00	100.00
CAS #: 50-29-3								

15 Endrin aldehyde								
9.070	9.070	0.000	1040408	500.000	460	80.00-	120.00	100.00
CAS #: 7421-93-4								

13 Endosulfan sulfate								
9.370	9.370	0.000	1096545	500.000	480	80.00-	120.00	100.00
CAS #: 1031-07-8								

19 Methoxychlor								
9.573	9.573	0.000	584137	500.000	470	80.00-	120.00	100.00
CAS #: 72-43-5								

16 Endrin ketone								
9.803	9.803	0.000	1151009	500.000	460	80.00-	120.00	100.00
CAS #: 53494-70-5								

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
\$ 30 Decachlorobiphenyl(surr)			CAS #: 2051-24-3						
10.753	10.753	0.000	379509	200.000	180	80.00- 120.00	100.00		

Data File: xf125057.d

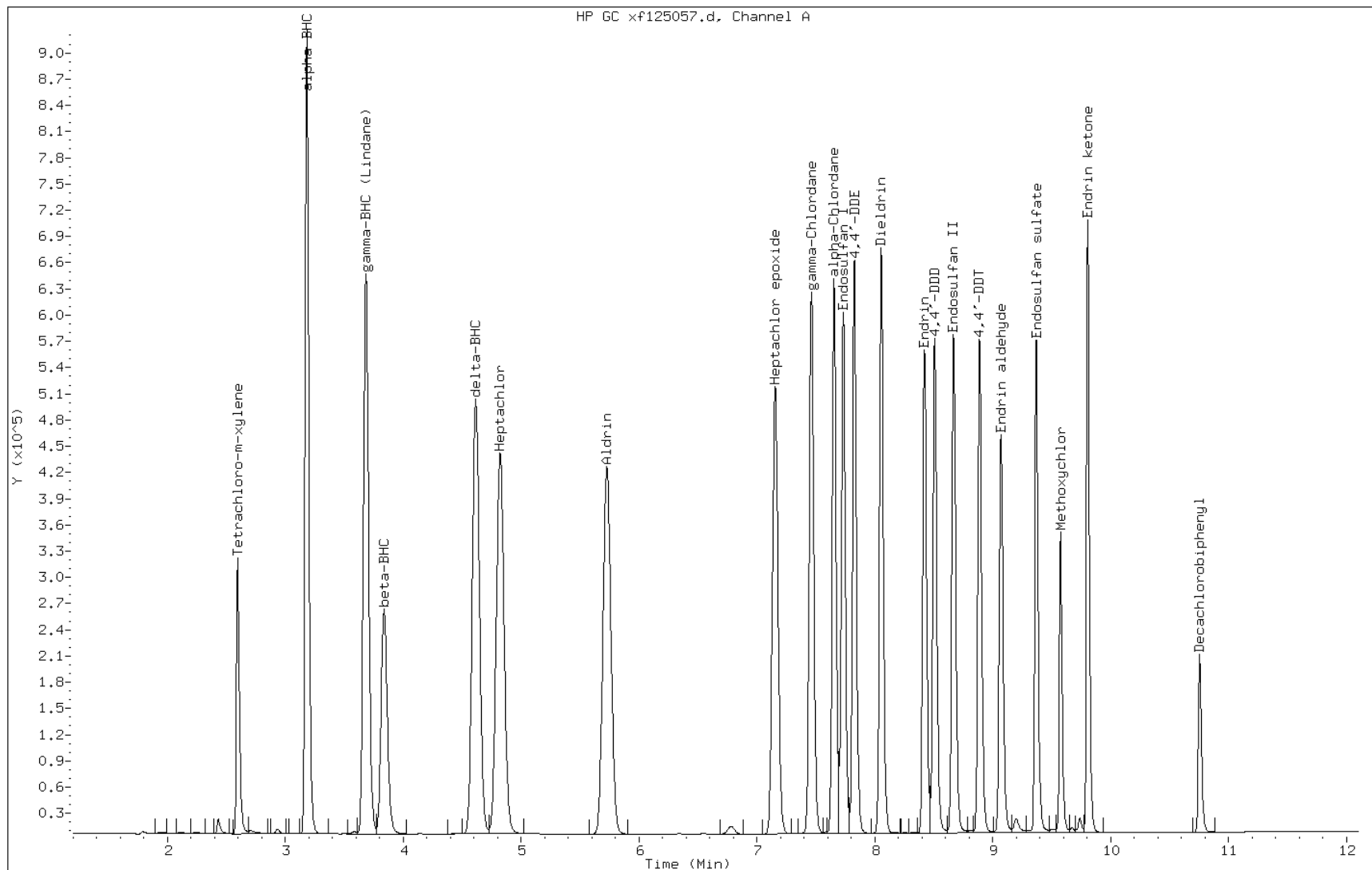
Date: 05-OCT-2011 08:57

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL5_00009

Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 08:02 Calibration End Date: 10/05/2011 08:57 Calibration ID: 12590

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88313/6	xr125054.d
Level 2	IC 460-88313/7	xr125055.d
Level 3	IC 460-88313/5	xr125053.d
Level 4	IC 460-88313/8	xr125056.d
Level 5	IC 460-88313/9	xr125057.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
alpha-BHC	2.317	2.317	2.317	2.317	2.313						2.267 - 2.367	2.316
gamma-BHC (Lindane)	2.540	2.540	2.537	2.537	2.537						2.487 - 2.587	2.538
beta-BHC	2.603	2.603	2.600	2.600	2.600						2.550 - 2.650	2.601
delta-BHC	2.730	2.730	2.730	2.730	2.727						2.680 - 2.780	2.729
Heptachlor	2.897	2.897	2.897	2.897	2.897						2.847 - 2.947	2.897
Aldrin	3.167	3.163	3.163	3.167	3.163						3.117 - 3.217	3.165
Heptachlor epoxide	4.037	4.037	4.037	4.037	4.033						3.967 - 4.107	4.036
gamma-Chlordane	4.327	4.327	4.327	4.327	4.327						4.257 - 4.397	4.327
alpha-Chlordane	4.637	4.640	4.640	4.640	4.637						4.570 - 4.710	4.639
4,4'-DDE	4.847	4.847	4.850	4.847	4.847						4.780 - 4.920	4.847
Endosulfan I	4.953	4.957	4.957	4.957	4.953						4.887 - 5.027	4.955
Dieldrin	5.550	5.550	5.550	5.550	5.550						5.480 - 5.620	5.550
Endrin	6.137	6.140	6.140	6.137	6.137						6.070 - 6.210	6.138
4,4'-DDD	6.333	6.337	6.337	6.337	6.333						6.267 - 6.407	6.335
Endosulfan II	6.673	6.673	6.673	6.673	6.673						6.603 - 6.743	6.673
4,4'-DDT	6.980	6.980	6.983	6.980	6.980						6.913 - 7.053	6.981
Endrin aldehyde	7.440	7.440	7.440	7.440	7.440						7.370 - 7.510	7.440
Methoxychlor	7.697	7.697	7.697	7.697	7.697						7.627 - 7.767	7.697
Endosulfan sulfate	7.943	7.943	7.943	7.940	7.940						7.870 - 8.010	7.942
Endrin ketone	8.253	8.253	8.253	8.253	8.253						8.183 - 8.323	8.253
Tetrachloro-m-xylene	1.927	1.927	1.927	1.927	1.927						1.880 - 1.980	1.927
DCB Decachlorobiphenyl	9.387	9.387	9.383	9.383	9.387						9.283 - 9.483	9.385

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 08:02 Calibration End Date: 10/05/2011 08:57 Calibration ID: 12590

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88313/6	xr125054.d
Level 2	IC 460-88313/7	xr125055.d
Level 3	IC 460-88313/5	xr125053.d
Level 4	IC 460-88313/8	xr125056.d
Level 5	IC 460-88313/9	xr125057.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	7475.5 7032.4	8148.7	8672.2	7882.3	Ave		7842.21040				8.0		20.0			
gamma-BHC (Lindane)	6775.6 5669.8	6635.0	7129.2	6365.2	Ave		6514.95720				8.4		20.0			
beta-BHC	3646.4 3299.9	3816.3	4058.1	3796.1	Ave		3723.34240				7.5		20.0			
delta-BHC	6553.8 6390.0	6976.9	7745.9	7129.3	Ave		6959.20440				7.7		20.0			
Heptachlor	7344.3 6233.6	7041.3	7918.0	6979.6	Ave		7103.35400				8.6		20.0			
Aldrin	6410.6 6256.8	6657.9	7476.6	7006.7	Ave		6761.71800				7.2		20.0			
Heptachlor epoxide	6885.0 6378.3	6962.1	7675.5	7264.9	Ave		7033.15160				6.8		20.0			
gamma-Chlordane	7382.0 6589.4	6886.3	7797.9	7348.6	Ave		7200.84200				6.5		20.0			
alpha-Chlordane	6740.9 6455.1	6746.0	7562.2	7182.5	Ave		6937.33120				6.3		20.0			
4,4'-DDE	5951.6 5807.6	5941.3	6833.2	6588.9	Ave		6224.51680				7.3		20.0			
Endosulfan I	6315.0 6304.0	6588.3	7476.3	7063.8	Ave		6749.46280				7.6		20.0			
Dieldrin	5979.6 6473.5	6485.6	7456.8	7274.8	Ave		6734.06960				9.1		20.0			
Endrin	5208.9 5450.9	5720.2	6435.1	6184.0	Ave		5799.81320				8.7		20.0			
4,4'-DDD	4259.0 5409.1	5044.0	5976.2	5913.7	Ave		5320.40920				13.3		20.0			
Endosulfan II	5744.1 5559.6	5816.5	6506.5	6231.2	Ave		5971.57800				6.5		20.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 08:02 Calibration End Date: 10/05/2011 08:57 Calibration ID: 12590

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	4909.9 5592.6	5269.4	6232.6	6076.2	Ave		5616.14200				9.8		20.0			
Endrin aldehyde	4651.0 4213.8	4529.6	4932.6	4690.6	Ave		4603.52280				5.7		20.0			
Methoxychlor	2950.3 2530.6	2859.2	3096.0	2830.7	Ave		2853.35840				7.3		20.0			
Endosulfan sulfate	4609.9 4339.4	4552.8	5058.0	4832.5	Ave		4678.51120				5.9		20.0			
Endrin ketone	5264.4 4951.2	5264.4	5821.7	5607.4	Ave		5381.81240				6.3		20.0			
Tetrachloro-m-xylene	5971.5 5206.5	6373.7	6023.4	5694.4	Ave		5853.88700				7.4		20.0			
DCB Decachlorobiphenyl	4249.2 4200.7	4595.4	4726.3	4683.3	Ave		4490.99933				5.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 08:02 Calibration End Date: 10/05/2011 08:57 Calibration ID: 12590

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88313/6	xrl25054.d
Level 2	IC 460-88313/7	xrl25055.d
Level 3	IC 460-88313/5	xrl25053.d
Level 4	IC 460-88313/8	xrl25056.d
Level 5	IC 460-88313/9	xrl25057.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	74755	407437	867220	1970565	3516176	10.0	50.0	100	250	500
gamma-BHC (Lindane)	Ave	67756	331752	712918	1591303	2834877	10.0	50.0	100	250	500
beta-BHC	Ave	36464	190815	405807	949014	1649943	10.0	50.0	100	250	500
delta-BHC	Ave	65538	348847	774594	1782330	3195011	10.0	50.0	100	250	500
Heptachlor	Ave	73443	352065	791799	1744900	3116790	10.0	50.0	100	250	500
Aldrin	Ave	64106	332895	747663	1751670	3128390	10.0	50.0	100	250	500
Heptachlor epoxide	Ave	68850	348103	767554	1816213	3189153	10.0	50.0	100	250	500
gamma-Chlordane	Ave	73820	344315	779791	1837153	3294694	10.0	50.0	100	250	500
alpha-Chlordane	Ave	67409	337300	756218	1795624	3227540	10.0	50.0	100	250	500
4,4'-DDE	Ave	59516	297066	683319	1647219	2903799	10.0	50.0	100	250	500
Endosulfan I	Ave	63150	329413	747625	1765950	3152002	10.0	50.0	100	250	500
Dieldrin	Ave	59796	324278	745682	1818705	3236774	10.0	50.0	100	250	500
Endrin	Ave	52089	286010	643507	1545994	2725460	10.0	50.0	100	250	500
4,4'-DDD	Ave	42590	252201	597623	1478434	2704530	10.0	50.0	100	250	500
Endosulfan II	Ave	57441	290826	650647	1557798	2779804	10.0	50.0	100	250	500
4,4'-DDT	Ave	49099	263471	623256	1519062	2796291	10.0	50.0	100	250	500
Endrin aldehyde	Ave	46510	226482	493257	1172644	2106914	10.0	50.0	100	250	500
Methoxychlor	Ave	29503	142962	309597	707664	1265313	10.0	50.0	100	250	500
Endosulfan sulfate	Ave	46099	227638	505801	1208120	2169703	10.0	50.0	100	250	500
Endrin ketone	Ave	52644	263218	582173	1401850	2475586	10.0	50.0	100	250	500
Tetrachloro-m-xylene	Ave	149287	318684	602339	854154	1041305	25.0	50.0	100	150	200
DCB Decachlorobiphenyl	Ave	106229	229771	472634	702502	840146	25.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

Data File: xr125053.d
Report Date: 05-Oct-2011 09:58

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b/xr125053.d
Lab Smp Id: SGPESTL3_00010
Inj Date : 05-OCT-2011 08:02
Operator : Inst ID: PESTGC1.i
Smp Info : SGPESTL3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b/09Xr8081.m
Meth Date : 05-Oct-2011 09:57 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SCpestRANGE.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====		=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
1.927	1.927	0.000	602339	100.000	100	80.00- 120.00		100.00

2 alpha-BHC					CAS #:	319-84-6		
2.317	2.317	0.000	867220	100.000	110	80.00- 120.00		100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
2.537	2.537	0.000	712918	100.000	110	80.00- 120.00		100.00

3 beta-BHC					CAS #:	319-85-7		
2.600	2.600	0.000	405807	100.000	110	80.00- 120.00		100.00

4 delta-BHC					CAS #:	319-86-8		
2.730	2.730	0.000	774594	100.000	110	80.00- 120.00		100.00

Data File: xr125053.d
Report Date: 05-Oct-2011 09:58

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
2.897	2.897	0.000	791799	100.000	110	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
3.163	3.163	0.000	747663	100.000	110	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
4.037	4.037	0.000	767554	100.000	110	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
4.327	4.327	0.000	779791	100.000	110	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
4.640	4.640	0.000	756218	100.000	110	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
4.850	4.850	0.000	683319	100.000	110	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
4.957	4.957	0.000	747625	100.000	110	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
5.550	5.550	0.000	745682	100.000	110	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
6.140	6.140	0.000	643507	100.000	110	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
6.337	6.337	0.000	597623	100.000	110	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
6.673	6.673	0.000	650647	100.000	110	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
6.983	6.983	0.000	623256	100.000	110	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
7.440	7.440	0.000	493257	100.000	110	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
7.697	7.697	0.000	309597	100.000	110	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
7.943	7.943	0.000	505801	100.000	110	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
8.253	8.253	0.000	582173	100.000	110	80.00-	120.00	100.00

Data File: xr125053.d
 Report Date: 05-Oct-2011 09:58

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 30 Decachlorobiphenyl(surr)				CAS #: 2051-24-3					
9.383	9.383	0.000	472634	100.000	100	80.00-	120.00	100.00	

Data File: xr125053.d

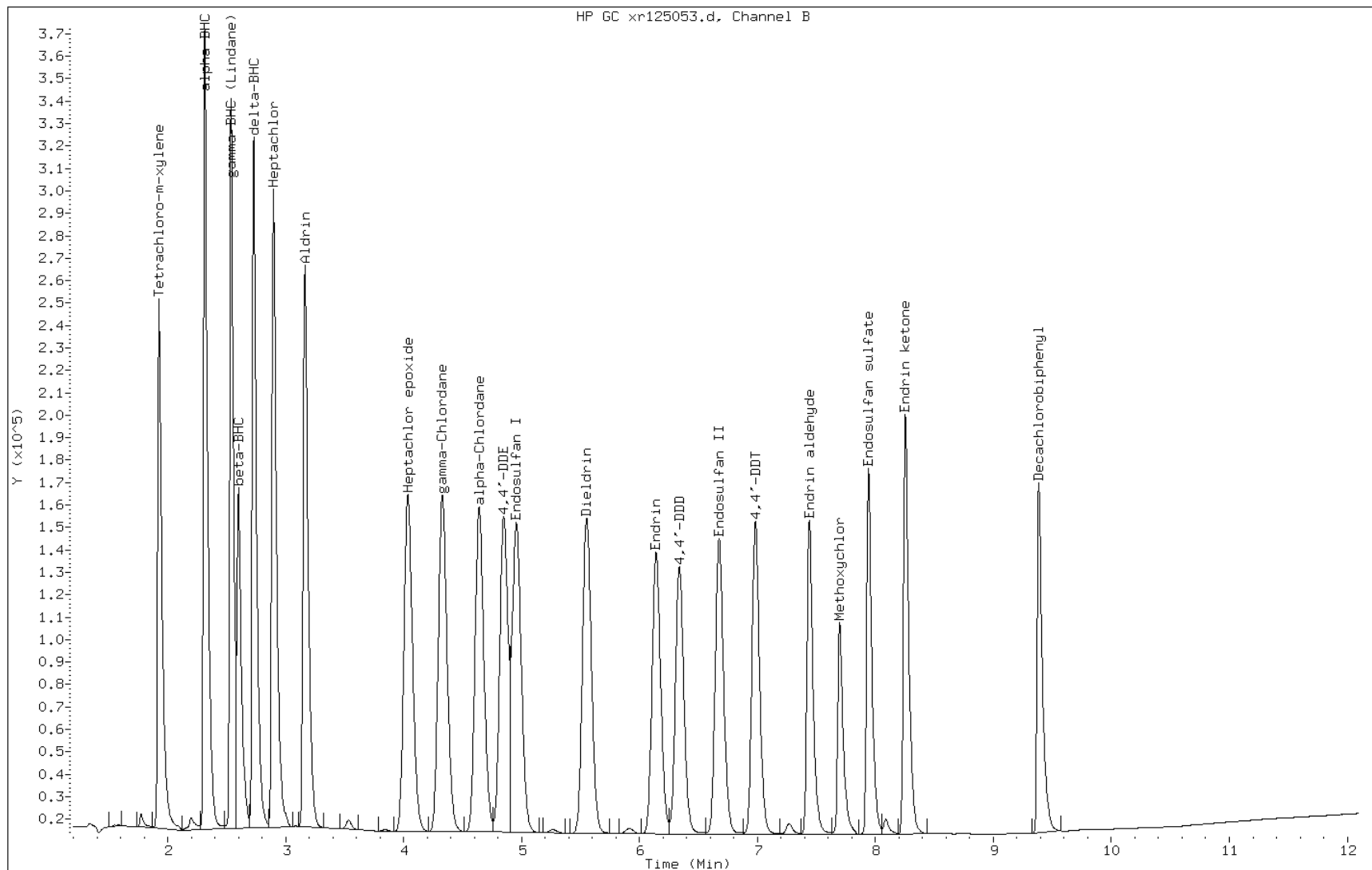
Date: 05-OCT-2011 08:02

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL3_00010

Operator:



Data File: xr125054.d
Report Date: 05-Oct-2011 09:58

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b/xr125054.d
Lab Smp Id: SGPESTL1_00012
Inj Date : 05-OCT-2011 08:16
Operator : Inst ID: PESTGC1.i
Smp Info : SGPESTL1_00012
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b/09Xr8081.m
Meth Date : 05-Oct-2011 09:58 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 08:16 Cal File: xr125054.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SCpestRANGE.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/L)		TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)									
					CAS #: 877-09-8				
1.927	1.927	0.000	149287	25.0000	26	80.00-	120.00	100.00	

2 alpha-BHC					CAS #: 319-84-6				
2.317	2.317	0.000	74755	10.0000	9.5	80.00-	120.00	100.00	

5 gamma-BHC (Lindane)					CAS #: 58-89-9				
2.540	2.537	0.003	67756	10.0000	10	80.00-	120.00	100.00	

3 beta-BHC					CAS #: 319-85-7				
2.603	2.600	0.003	36464	10.0000	9.8	80.00-	120.00	100.00	

4 delta-BHC					CAS #: 319-86-8				
2.730	2.730	0.000	65538	10.0000	9.4	80.00-	120.00	100.00	

Data File: xr125054.d
Report Date: 05-Oct-2011 09:58

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
2.897	2.897	0.000	73443	10.0000	10	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
3.167	3.163	0.004	64106	10.0000	9.5	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
4.037	4.037	0.000	68850	10.0000	9.8	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
4.327	4.327	0.000	73820	10.0000	10	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
4.637	4.640	-0.003	67409	10.0000	9.7	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
4.847	4.850	-0.003	59516	10.0000	9.6	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
4.953	4.957	-0.004	63150	10.0000	9.4	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
5.550	5.550	0.000	59796	10.0000	8.9	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
6.137	6.140	-0.003	52089	10.0000	9.0	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
6.333	6.337	-0.004	42590	10.0000	8.0	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
6.673	6.673	0.000	57441	10.0000	9.6	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
6.980	6.983	-0.003	49099	10.0000	8.7	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
7.440	7.440	0.000	46510	10.0000	10	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
7.697	7.697	0.000	29503	10.0000	10	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
7.943	7.943	0.000	46099	10.0000	9.8	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
8.253	8.253	0.000	52644	10.0000	9.8	80.00-	120.00	100.00

Data File: xr125054.d
 Report Date: 05-Oct-2011 09:58

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.387	9.383	0.004	106229	25.0000	24	80.00-	120.00	100.00	

Data File: xr125054.d

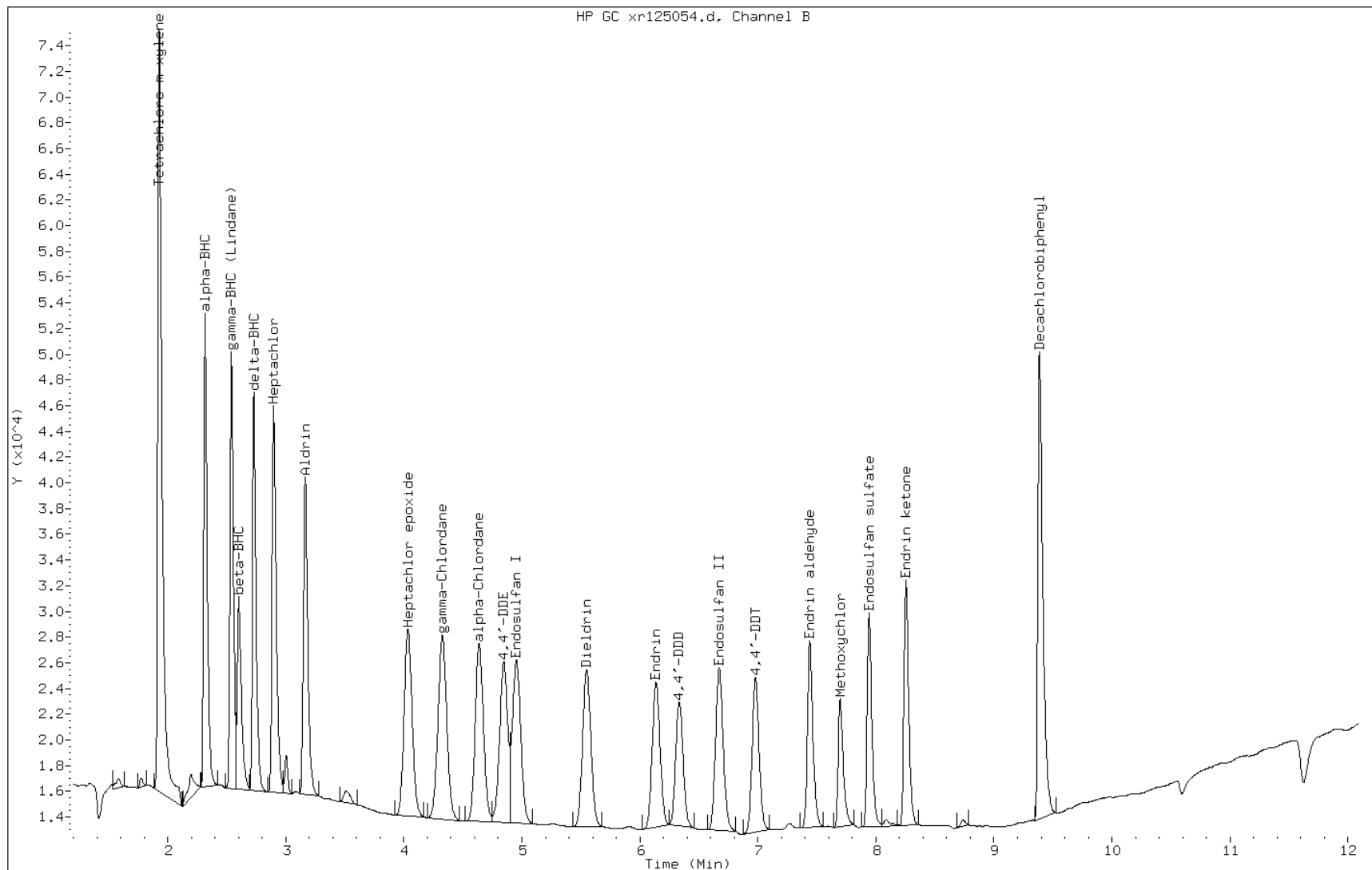
Date: 05-OCT-2011 08:16

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL1_00012

Operator:



Data File: xr125055.d
Report Date: 05-Oct-2011 09:58

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b/xr125055.d
Lab Smp Id: SGPESTL2_00009
Inj Date : 05-OCT-2011 08:29
Operator :
Smp Info : SGPESTL2_00009
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b/09Xr8081.m
Meth Date : 05-Oct-2011 09:58 ferdie
Cal Date : 05-OCT-2011 08:29
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xr125055.d
Calibration Sample, Level: 2
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
1.927	1.927	0.000	318684	50.0000	54	80.00-	120.00	100.00

2 alpha-BHC					CAS #:	319-84-6		
2.317	2.317	0.000	407437	50.0000	52	80.00-	120.00	100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
2.540	2.537	0.003	331752	50.0000	51	80.00-	120.00	100.00

3 beta-BHC					CAS #:	319-85-7		
2.603	2.600	0.003	190815	50.0000	51	80.00-	120.00	100.00

4 delta-BHC					CAS #:	319-86-8		
2.730	2.730	0.000	348847	50.0000	50	80.00-	120.00	100.00

Data File: xr125055.d
Report Date: 05-Oct-2011 09:58

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
2.897	2.897	0.000	352065	50.0000	50	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
3.163	3.163	0.000	332895	50.0000	49	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
4.037	4.037	0.000	348103	50.0000	49	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
4.327	4.327	0.000	344315	50.0000	48	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
4.640	4.640	0.000	337300	50.0000	49	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
4.847	4.850	-0.003	297066	50.0000	48	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
4.957	4.957	0.000	329413	50.0000	49	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
5.550	5.550	0.000	324278	50.0000	48	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
6.140	6.140	0.000	286010	50.0000	49	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
6.337	6.337	0.000	252201	50.0000	47	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
6.673	6.673	0.000	290826	50.0000	49	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
6.980	6.983	-0.003	263471	50.0000	47	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
7.440	7.440	0.000	226482	50.0000	49	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
7.697	7.697	0.000	142962	50.0000	50	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
7.943	7.943	0.000	227638	50.0000	49	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
8.253	8.253	0.000	263218	50.0000	49	80.00-	120.00	100.00

Data File: xr125055.d
 Report Date: 05-Oct-2011 09:58

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT		ON-COL	TARGET RANGE	RATIO
			RESPONSE (ug/L)	(ug/L)	(ug/L)		
==	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3		
9.387	9.383	0.004	229771	50.0000	51	80.00- 120.00	100.00

Data File: xr125055.d

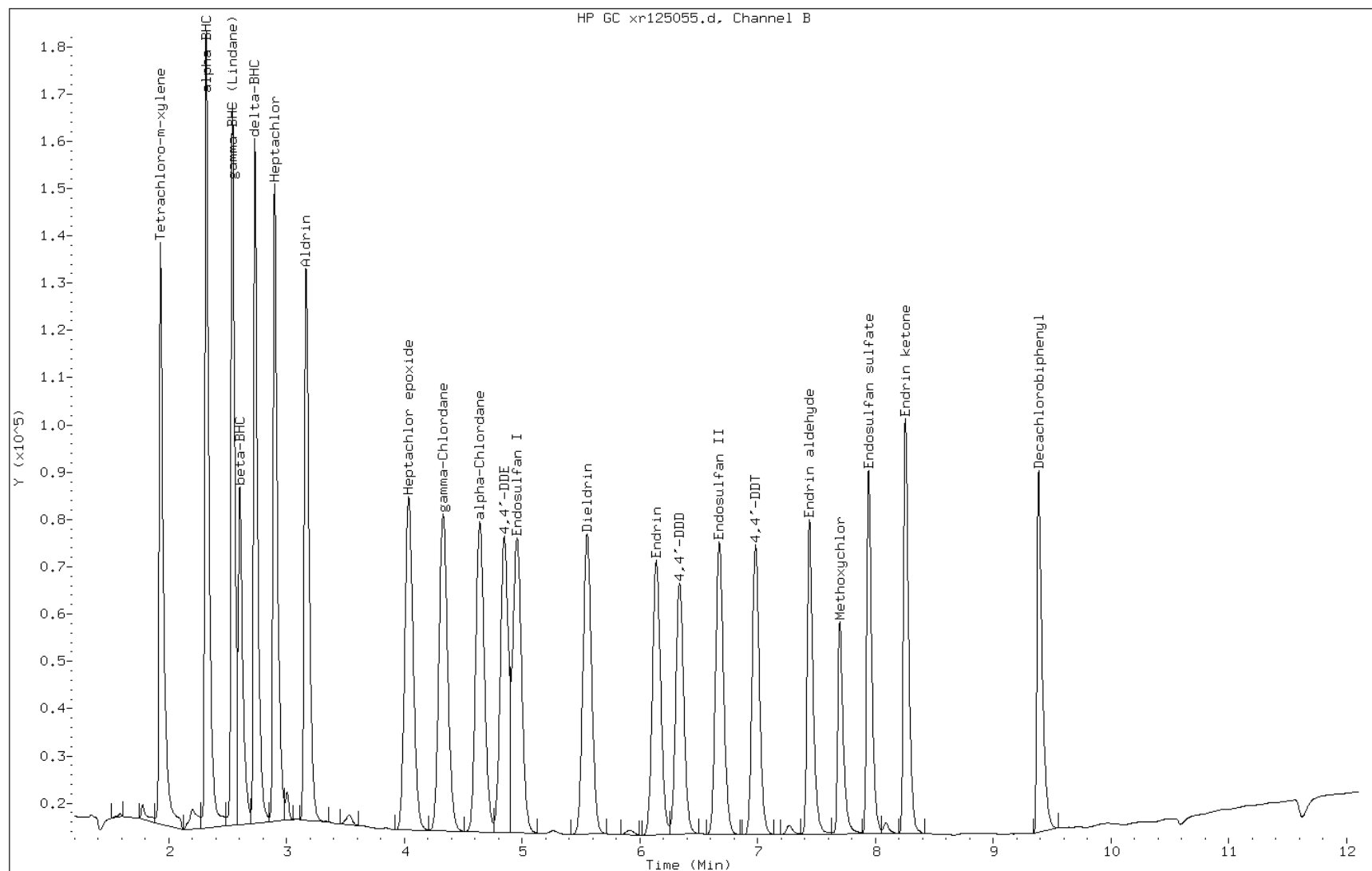
Date: 05-OCT-2011 08:29

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL2_00009

Operator:



Data File: xr125056.d
Report Date: 05-Oct-2011 09:58

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b/xr125056.d
Lab Smp Id: SGPESTL4_00009
Inj Date : 05-OCT-2011 08:43
Operator :
Smp Info : SGPESTL4_00009
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b/09Xr8081.m
Meth Date : 05-Oct-2011 09:58 ferdie
Cal Date : 05-OCT-2011 08:43
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xr125056.d
Calibration Sample, Level: 4
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
\$ 28 Tetrachloro-m-xylene(surr)									
CAS #: 877-09-8									
1.927	1.927	0.000	854154	150.000	140	80.00- 120.00	100.00		

2 alpha-BHC									
CAS #: 319-84-6									
2.317	2.317	0.000	1970565	250.000	250	80.00- 120.00	100.00		

5 gamma-BHC (Lindane)									
CAS #: 58-89-9									
2.537	2.537	0.000	1591303	250.000	240	80.00- 120.00	100.00		

3 beta-BHC									
CAS #: 319-85-7									
2.600	2.600	0.000	949014	250.000	250	80.00- 120.00	100.00		

4 delta-BHC									
CAS #: 319-86-8									
2.730	2.730	0.000	1782330	250.000	260	80.00- 120.00	100.00		

Data File: xr125056.d
Report Date: 05-Oct-2011 09:58

RT	EXP RT	DLT RT	AMOUNTS		ON-COL	TARGET RANGE	RATIO
			RESPONSE	CAL-AMT (ug/L)			
==	=====	=====	=====	=====	=====	=====	=====
17 Heptachlor					CAS #: 76-44-8		
2.897	2.897	0.000	1744900	250.000	240	80.00- 120.00	100.00

1 Aldrin					CAS #: 309-00-2		
3.167	3.163	0.004	1751670	250.000	260	80.00- 120.00	100.00

18 Heptachlor epoxide					CAS #: 1024-57-3		
4.037	4.037	0.000	1816213	250.000	260	80.00- 120.00	100.00

65 gamma-Chlordane					CAS #: 5103-74-2		
4.327	4.327	0.000	1837153	250.000	260	80.00- 120.00	100.00

66 alpha-Chlordane					CAS #: 5103-71-9		
4.640	4.640	0.000	1795624	250.000	260	80.00- 120.00	100.00

8 4,4'-DDE					CAS #: 72-55-9		
4.847	4.850	-0.003	1647219	250.000	260	80.00- 120.00	100.00

11 Endosulfan I					CAS #: 959-98-8		
4.957	4.957	0.000	1765950	250.000	260	80.00- 120.00	100.00

10 Dieldrin					CAS #: 60-57-1		
5.550	5.550	0.000	1818705	250.000	270	80.00- 120.00	100.00

14 Endrin					CAS #: 72-20-8		
6.137	6.140	-0.003	1545994	250.000	270	80.00- 120.00	100.00

7 4,4'-DDD					CAS #: 72-54-8		
6.337	6.337	0.000	1478434	250.000	280	80.00- 120.00	100.00

12 Endosulfan II					CAS #: 33213-65-9		
6.673	6.673	0.000	1557798	250.000	260	80.00- 120.00	100.00

9 4,4'-DDT					CAS #: 50-29-3		
6.980	6.983	-0.003	1519062	250.000	270	80.00- 120.00	100.00

15 Endrin aldehyde					CAS #: 7421-93-4		
7.440	7.440	0.000	1172644	250.000	250	80.00- 120.00	100.00

19 Methoxychlor					CAS #: 72-43-5		
7.697	7.697	0.000	707664	250.000	250	80.00- 120.00	100.00

13 Endosulfan sulfate					CAS #: 1031-07-8		
7.940	7.943	-0.003	1208120	250.000	260	80.00- 120.00	100.00

16 Endrin ketone					CAS #: 53494-70-5		
8.253	8.253	0.000	1401850	250.000	260	80.00- 120.00	100.00

Data File: xr125056.d
 Report Date: 05-Oct-2011 09:58

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)				CAS #: 2051-24-3			
9.383	9.383	0.000	702502	150.000	160	80.00- 120.00	100.00

Data File: xr125056.d

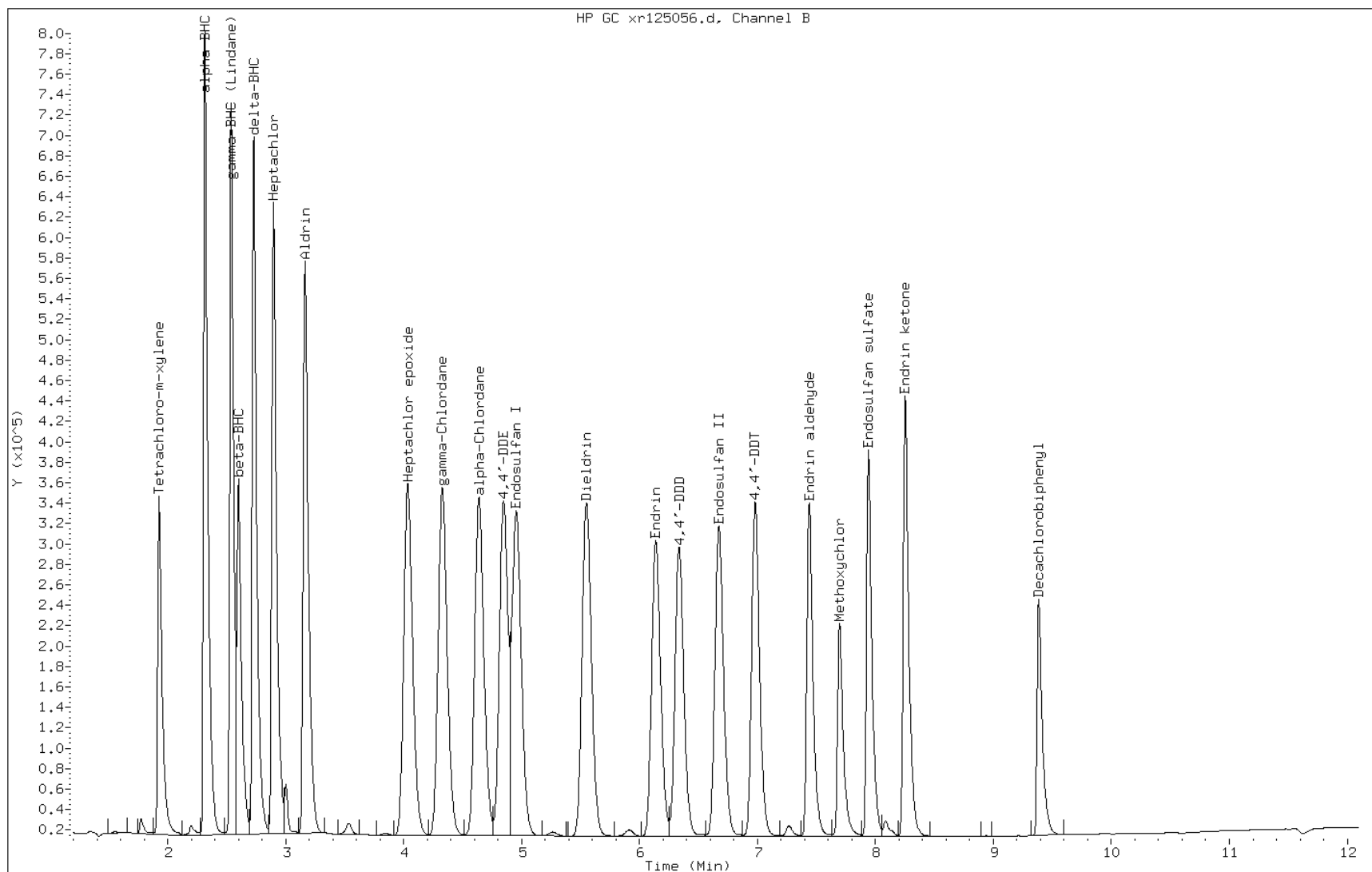
Date: 05-OCT-2011 08:43

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL4_00009

Operator:



Data File: xr125057.d
Report Date: 05-Oct-2011 09:58

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b/xr125057.d
Lab Smp Id: SGPESTL5_00009
Inj Date : 05-OCT-2011 08:57
Operator :
Smp Info : SGPESTL5_00009
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b/09Xr8081.m
Meth Date : 05-Oct-2011 09:58 ferdie
Cal Date : 05-OCT-2011 08:57
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xr125057.d
Calibration Sample, Level: 5
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
\$ 28 Tetrachloro-m-xylene(surr)									
			CAS #: 877-09-8						
1.927	1.927	0.000	1041305	200.000	180	80.00- 120.00	100.00		

2 alpha-BHC			CAS #: 319-84-6						
2.313	2.317	-0.004	3516176	500.000	450	80.00- 120.00	100.00		

5 gamma-BHC (Lindane)			CAS #: 58-89-9						
2.537	2.537	0.000	2834877	500.000	440	80.00- 120.00	100.00		

3 beta-BHC			CAS #: 319-85-7						
2.600	2.600	0.000	1649943	500.000	440	80.00- 120.00	100.00		

4 delta-BHC			CAS #: 319-86-8						
2.727	2.730	-0.003	3195011	500.000	460	80.00- 120.00	100.00		

Data File: xr125057.d
Report Date: 05-Oct-2011 09:58

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
2.897	2.897	0.000	3116790	500.000	440	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
3.163	3.163	0.000	3128390	500.000	460	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
4.033	4.037	-0.004	3189153	500.000	450	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
4.327	4.327	0.000	3294694	500.000	460	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
4.637	4.640	-0.003	3227540	500.000	460	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
4.847	4.850	-0.003	2903799	500.000	470	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
4.953	4.957	-0.004	3152002	500.000	470	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
5.550	5.550	0.000	3236774	500.000	480	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
6.137	6.140	-0.003	2725460	500.000	470	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
6.333	6.337	-0.004	2704530	500.000	510	80.00-	120.00	100.00(A)

12	Endosulfan II					CAS #:	33213-65-9	
6.673	6.673	0.000	2779804	500.000	460	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
6.980	6.983	-0.003	2796291	500.000	500	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
7.440	7.440	0.000	2106914	500.000	460	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
7.697	7.697	0.000	1265313	500.000	440	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
7.940	7.943	-0.003	2169703	500.000	460	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
8.253	8.253	0.000	2475586	500.000	460	80.00-	120.00	100.00

Data File: xr125057.d
Report Date: 05-Oct-2011 09:58

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)									
CAS #: 2051-24-3									
9.387	9.383	0.004	840146	200.000	190	80.00-	120.00	100.00	

QC Flag Legend

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

Data File: xr125057.d

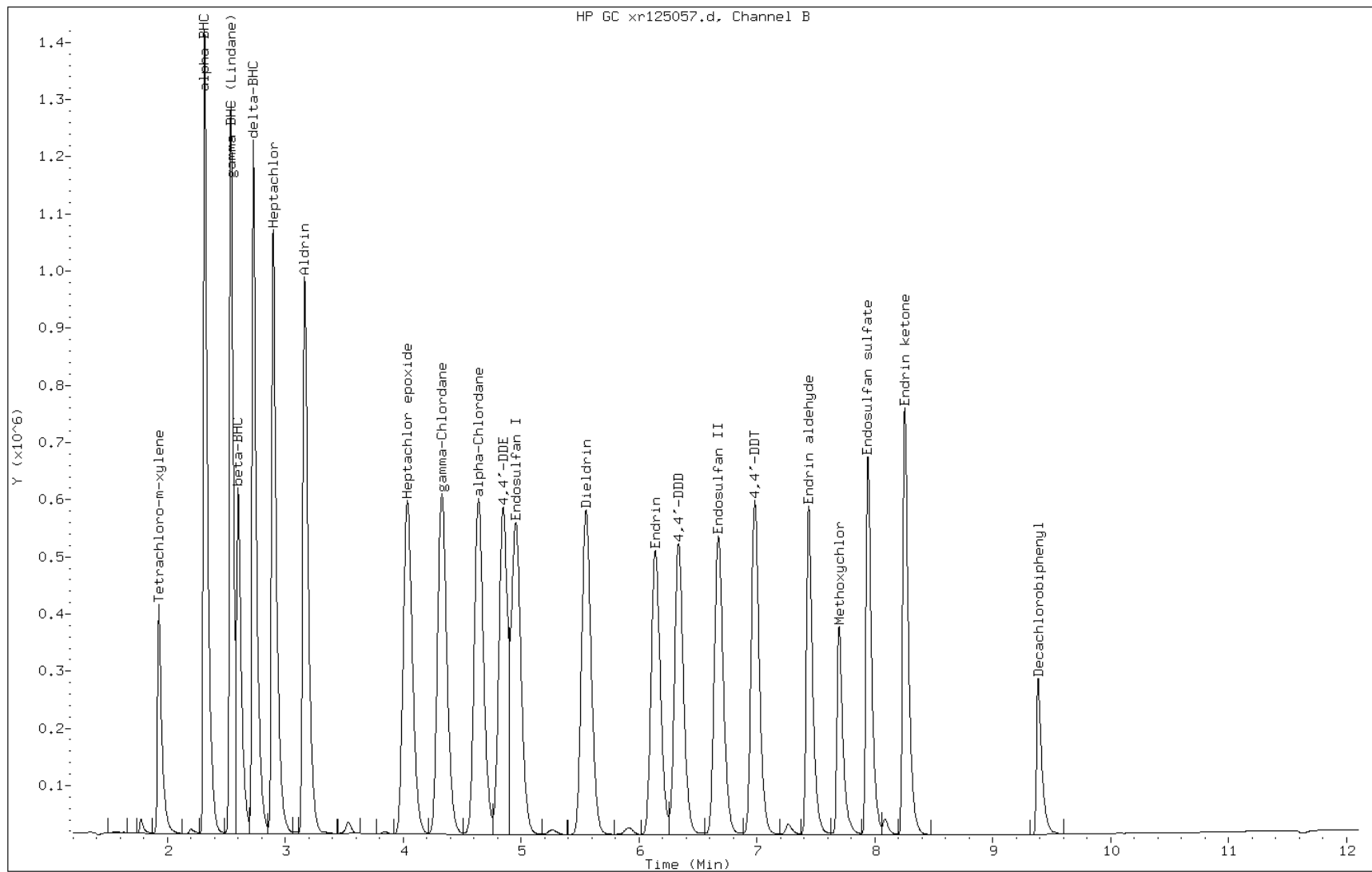
Date: 05-OCT-2011 08:57

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL5_00009

Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 09:25 Calibration End Date: 10/05/2011 09:25 Calibration ID: 12595

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88313/11	xf125059.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
Toxaphene Peak 1	8.347										8.277 - 8.417	8.347
Toxaphene Peak 2	8.767										8.697 - 8.837	8.767
Toxaphene Peak 3	9.080										9.010 - 9.150	9.080
Toxaphene Peak 4	9.183										9.113 - 9.253	9.183
Toxaphene Peak 5	9.587										9.517 - 9.657	9.587
Toxaphene Peak 6	9.627										9.557 - 9.697	9.627
Toxaphene Peak 7	9.880										9.810 - 9.950	9.880
Toxaphene Peak 8	10.007										9.937 - 10.077	10.007

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 09:25 Calibration End Date: 10/05/2011 09:25 Calibration ID: 12595

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88313/11	xf125059.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Toxaphene Peak 1	99.220				Ave		99.2200000						20.0			
Toxaphene Peak 2	179.11				Ave		179.113000						20.0			
Toxaphene Peak 3	172.39				Ave		172.389000						20.0			
Toxaphene Peak 4	134.51				Ave		134.505000						20.0			
Toxaphene Peak 5	127.92				Ave		127.920000						20.0			
Toxaphene Peak 6	238.29				Ave		238.291000						20.0			
Toxaphene Peak 7	91.725				Ave		91.7250000						20.0			
Toxaphene Peak 8	76.360				Ave		76.3600000						20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 09:25 Calibration End Date: 10/05/2011 09:25 Calibration ID: 12595

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88313/11	xf125059.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	99220					1000				
Toxaphene Peak 2	Ave	179113					1000				
Toxaphene Peak 3	Ave	172389					1000				
Toxaphene Peak 4	Ave	134505					1000				
Toxaphene Peak 5	Ave	127920					1000				
Toxaphene Peak 6	Ave	238291					1000				
Toxaphene Peak 7	Ave	91725					1000				
Toxaphene Peak 8	Ave	76360					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-05-11aical/05oct11a.b/xf125059.d
Lab Smp Id: SGT0XL3_00010
Inj Date : 05-OCT-2011 09:25
Operator : Inst ID: PESTGC1.i
Smp Info : SGT0XL3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-05-11aical/05oct11a.b/09Xf8081.m
Meth Date : 05-Oct-2011 09:58 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xf125059.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH0.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
20 Toxaphene			CAS #: 8001-35-2			
8.347	8.347	0.000	99220 1000.00	1000	80.00- 120.00	100.00
8.767	8.767	0.000	179113 1000.00	1000	144.42- 216.63	180.52
9.080	9.080	0.000	172389 1000.00	1000	139.00- 208.49	173.74
9.183	9.183	0.000	134505 1000.00	1000	108.45- 162.67	135.56
9.587	9.587	0.000	127920 1000.00	1000	103.14- 154.71	128.93
9.627	9.627	0.000	238291 1000.00	1000	192.13- 288.20	240.16
9.880	9.880	0.000	91725 1000.00	1000	73.96- 110.94	92.45
10.007	10.007	0.000	76360 1000.00	1000	61.57- 92.35	76.96
Average of Peak Amounts =			1e+03			

Data File: xf125059.d

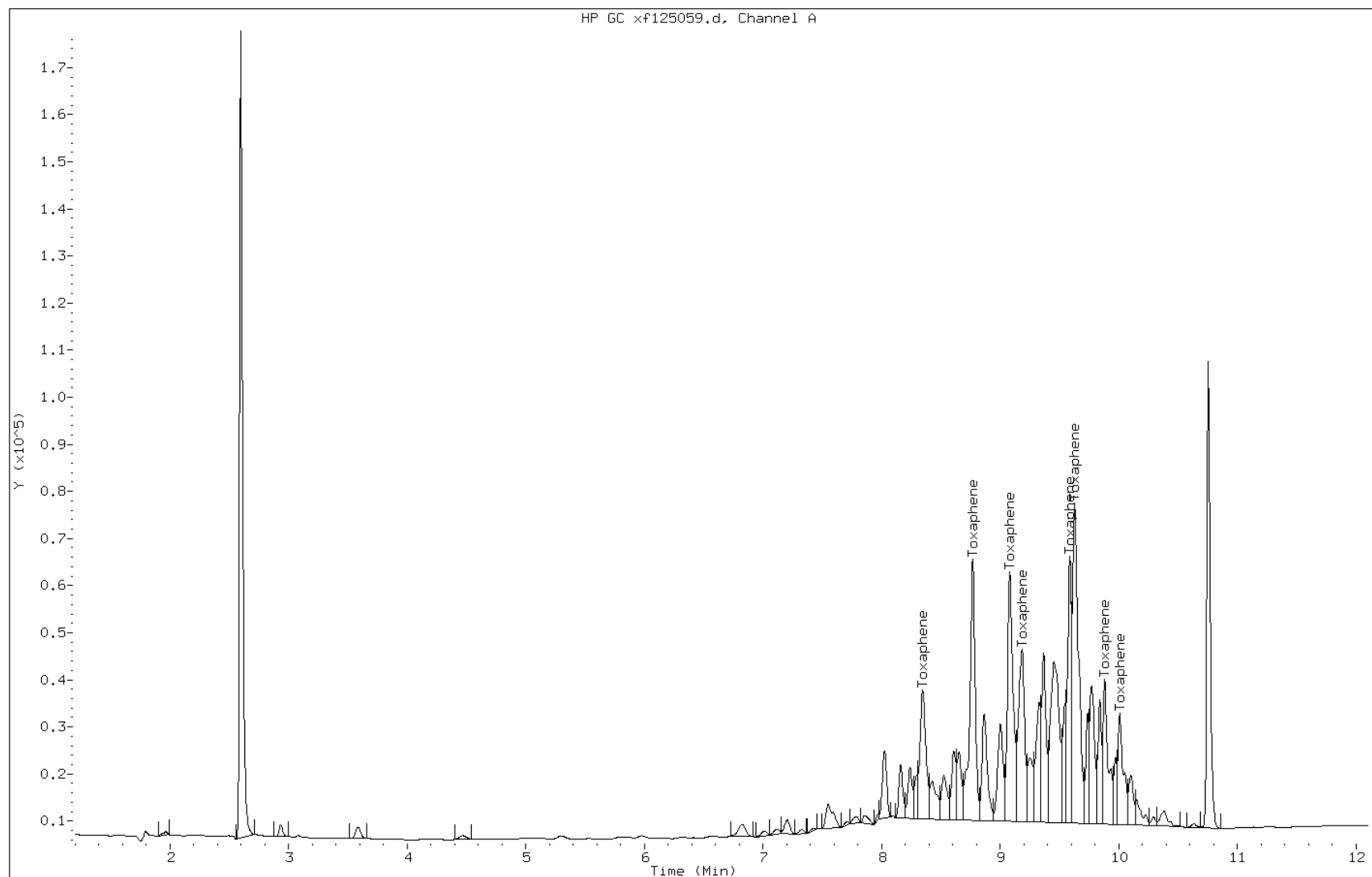
Date: 05-OCT-2011 09:25

Client ID:

Instrument: PESTGC1.i

Sample Info: SGT0XL3_00010

Operator:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 09:25 Calibration End Date: 10/05/2011 09:25 Calibration ID: 12594

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88313/11	xrl25059.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
Toxaphene Peak 1	6.817										6.747 - 6.887	6.817
Toxaphene Peak 2	6.937										6.867 - 7.007	6.937
Toxaphene Peak 3	7.410										7.340 - 7.480	7.410
Toxaphene Peak 4	7.607										7.537 - 7.677	7.607
Toxaphene Peak 5	7.830										7.760 - 7.900	7.830
Toxaphene Peak 6	7.907										7.837 - 7.977	7.907
Toxaphene Peak 7	8.233										8.163 - 8.303	8.233
Toxaphene Peak 8	8.410										8.340 - 8.480	8.410

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 09:25 Calibration End Date: 10/05/2011 09:25 Calibration ID: 12594

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88313/11	xr125059.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Toxaphene Peak 1	258.08				Ave		258.083000						20.0			
Toxaphene Peak 2	241.93				Ave		241.927000						20.0			
Toxaphene Peak 3	424.93				Ave		424.926000						20.0			
Toxaphene Peak 4	345.78				Ave		345.778000						20.0			
Toxaphene Peak 5	260.82				Ave		260.816000						20.0			
Toxaphene Peak 6	509.84				Ave		509.838000						20.0			
Toxaphene Peak 7	204.03				Ave		204.025000						20.0			
Toxaphene Peak 8	125.38				Ave		125.379000						20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 88313

SDG No.: _____

Instrument ID: PESTGC1 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2011 09:25 Calibration End Date: 10/05/2011 09:25 Calibration ID: 12594

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88313/11	xr125059.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	258083					1000				
Toxaphene Peak 2	Ave	241927					1000				
Toxaphene Peak 3	Ave	424926					1000				
Toxaphene Peak 4	Ave	345778					1000				
Toxaphene Peak 5	Ave	260816					1000				
Toxaphene Peak 6	Ave	509838					1000				
Toxaphene Peak 7	Ave	204025					1000				
Toxaphene Peak 8	Ave	125379					1000				

Curve Type Legend:

Ave = Average

Data File: xr125059.d
Report Date: 05-Oct-2011 09:58

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b/xr125059.d
Lab Smp Id: SGT0XL3_00010
Inj Date : 05-OCT-2011 09:25
Operator : Inst ID: PESTGC1.i
Smp Info : SGT0XL3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b/09Xr8081.m
Meth Date : 05-Oct-2011 09:58 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOXAPH0.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
20 Toxaphene				CAS #: 8001-35-2		
6.817	6.817	0.000	258083 1000.00	1000	80.00- 120.00	100.00
6.937	6.937	0.000	241927 1000.00	1000	74.99- 112.49	93.74
7.410	7.410	0.000	424926 1000.00	1000	131.72- 197.58	164.65
7.607	7.607	0.000	345778 1000.00	1000	107.18- 160.78	133.98
7.830	7.830	0.000	260816 1000.00	1000	80.85- 121.27	101.06
7.907	7.907	0.000	509838 1000.00	1000	158.04- 237.06	197.55
8.233	8.233	0.000	204025 1000.00	1000	63.24- 94.86	79.05
8.410	8.410	0.000	125379 1000.00	1000	38.86- 58.30	48.58
Average of Peak Amounts =				1e+03		

Data File: xr125059.d

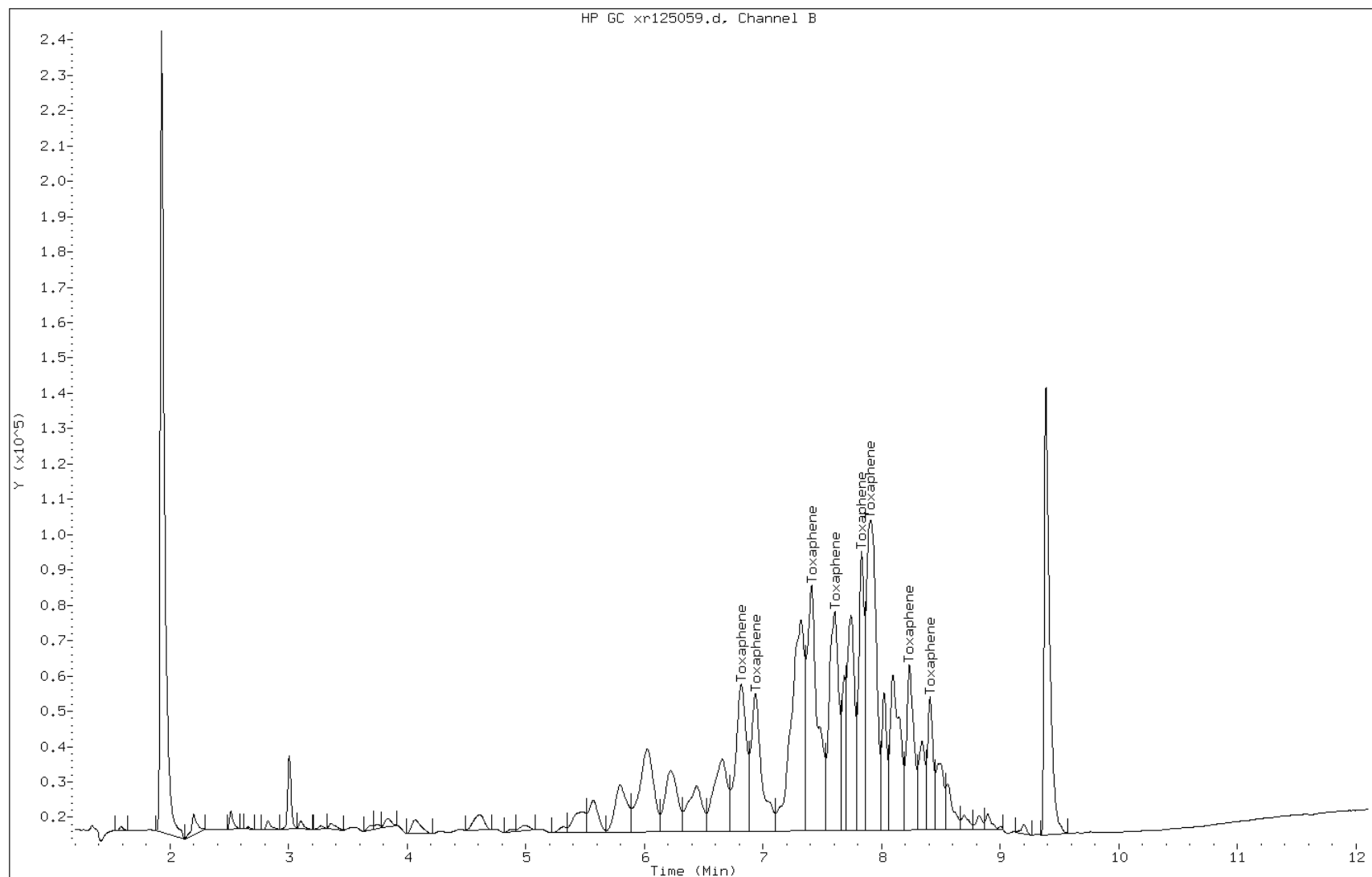
Date: 05-OCT-2011 09:25

Client ID:

Instrument: PESTGC1.i

Sample Info: SGT0XL3_00010

Operator:



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Lab Sample ID (2): RESC 460-89301/3 Instrument ID (2): PESTGC1

GC Column (2): CLP-2 ID: 0.53(mm) Date Analyzed (2): 10/12/2011 06:57

ANALYTE	RT	RESOLUTION (%)
Tetrachloro-m-xylene	2.59	100
gamma-Chlordane	7.46	100
Endosulfan I	7.73	100
4,4'-DDE	7.82	100
Dieldrin	8.05	100
Endosulfan sulfate	9.36	100
Methoxychlor	9.57	100
Endrin ketone	9.80	100
DCB Decachlorobiphenyl	10.75	100

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Lab Sample ID (1): RESC 460-89301/3 Instrument ID (1): PESTGC1

GC Column (1): CLP-1 ID: 0.53(mm) Date Analyzed (1): 10/12/2011 06:57

ANALYTE	RT	RESOLUTION (%)
Tetrachloro-m-xylene	1.92	100
gamma-Chlordane	4.30	100
4,4'-DDE	4.82	60
Endosulfan I	4.93	100
Dieldrin	5.52	100
Methoxychlor	7.69	100
Endosulfan sulfate	7.93	100
Endrin ketone	8.24	100
DCB Decachlorobiphenyl	9.38	100

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Lab Sample ID: PEM 460-89072/3 Calibration Date: 10/11/2011 10:59
Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
Lab File ID: xf125270.d Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.44	554201	9.10	15	
Endrin aldehyde	9.09	19400			
Endrin ketone	9.81	36072			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	8.90	518189	8.05	15	
4,4'-DDD	8.53	26458			
4,4'-DDE	7.85	18904			

Data File: xf125270.d
 Report Date: 12-Oct-2011 06:04

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/xf125270.d
 Lab Smp Id: SGDDT/EI_00015
 Inj Date : 11-OCT-2011 10:59
 Operator : Inst ID: PESTGC1.i
 Smp Info : SGDDT/EI_00015
 Misc Info :
 Comment :
 Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/09Xf8081.m
 Meth Date : 12-Oct-2011 06:04 ferdie Quant Type: ESTD
 Cal Date : 05-OCT-2011 09:25 Cal File: xf125059.d
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: END_DDT.sub
 Target Version: 3.50 Sample Matrix: SOIL
 Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
7 4,4'-DDD					CAS #: 72-54-8				
8.527	8.503	0.024	26458	9.97776	6.6	80.00- 120.00	100.00(a)		

8 4,4'-DDE					CAS #: 72-55-9				
7.847	7.820	0.027	18904	6.11009	4.1	80.00- 120.00	100.00(a)		

9 4,4'-DDT					CAS #: 50-29-3				
8.903	8.883	0.020	518189	203.887	140	80.00- 120.00	100.00		

14 Endrin					CAS #: 72-20-8				
8.437	8.417	0.020	554201	207.398	140	80.00- 120.00	100.00		

15 Endrin aldehyde					CAS #: 7421-93-4				
9.087	9.063	0.024	19400	8.59257	5.7	80.00- 120.00	100.00(a)		

Data File: xf125270.d
Report Date: 12-Oct-2011 06:04

				CONCENTRATIONS					
				ON-COL	FINAL				
RT	EXP RT	DLT RT		RESPONSE (ug/L)	(ug/kg)	TARGET RANGE		RATIO	
==	=====	=====		=====	=====	=====		=====	
16 Endrin ketone				CAS #: 53494-70-5					
9.813	9.800	0.013		36072	14.5757	9.7	80.00- 120.00	100.00	

QC Flag Legend

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

Data File: xf125270.d

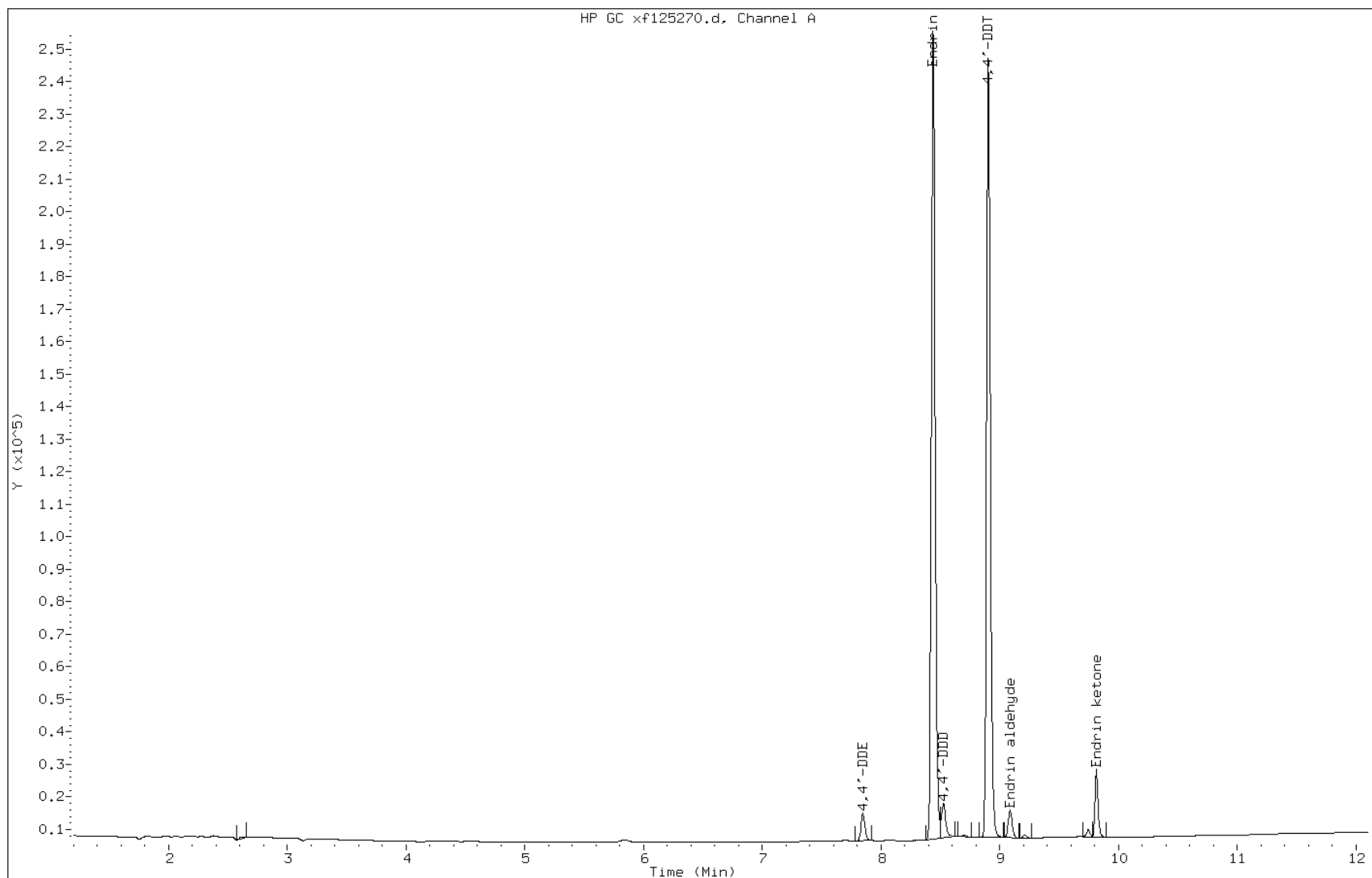
Date: 11-OCT-2011 10:59

Client ID:

Instrument: PESTGC1.i

Sample Info: SGDDT/EI_00015

Operator:



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Lab Sample ID: PEM 460-89072/3 Calibration Date: 10/11/2011 10:59
Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
Lab File ID: xr125270.d Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.12	1310127	7.90	15	
Endrin aldehyde	7.43	39071			
Endrin ketone	8.25	73365			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	6.97	1284835	6.43	15	
4,4'-DDD	6.32	46207			
4,4'-DDE	4.82	42089			

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/xr125270.d
Lab Smp Id: SGDDT/EI_00015
Inj Date : 11-OCT-2011 10:59
Operator : Inst ID: PESTGC1.i
Smp Info : SGDDT/EI_00015
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/09Xr8081.m
Meth Date : 12-Oct-2011 06:03 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: END_DDT.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
7 4,4'-DDD					CAS #: 72-54-8				
6.317	6.320	-0.003	46207	8.68486	5.8	80.00-	120.00	100.00(a)	

8 4,4'-DDE					CAS #: 72-55-9				
4.820	4.830	-0.010	42089	6.76181	4.5	80.00-	120.00	100.00(a)	

9 4,4'-DDT					CAS #: 50-29-3				
6.967	6.967	0.000	1284835	228.775	150	80.00-	120.00	100.00	

14 Endrin					CAS #: 72-20-8				
6.117	6.120	-0.003	1310127	225.891	150	80.00-	120.00	100.00	

15 Endrin aldehyde					CAS #: 7421-93-4				
7.433	7.430	0.003	39071	8.48720	5.6	80.00-	120.00	100.00(a)	

			CONCENTRATIONS					
			ON-COL	FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
16 Endrin ketone					CAS #: 53494-70-5			
8.247	8.247	0.000	73365	13.6320	9.1	80.00-	120.00	100.00

QC Flag Legend

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

Data File: xr125270.d

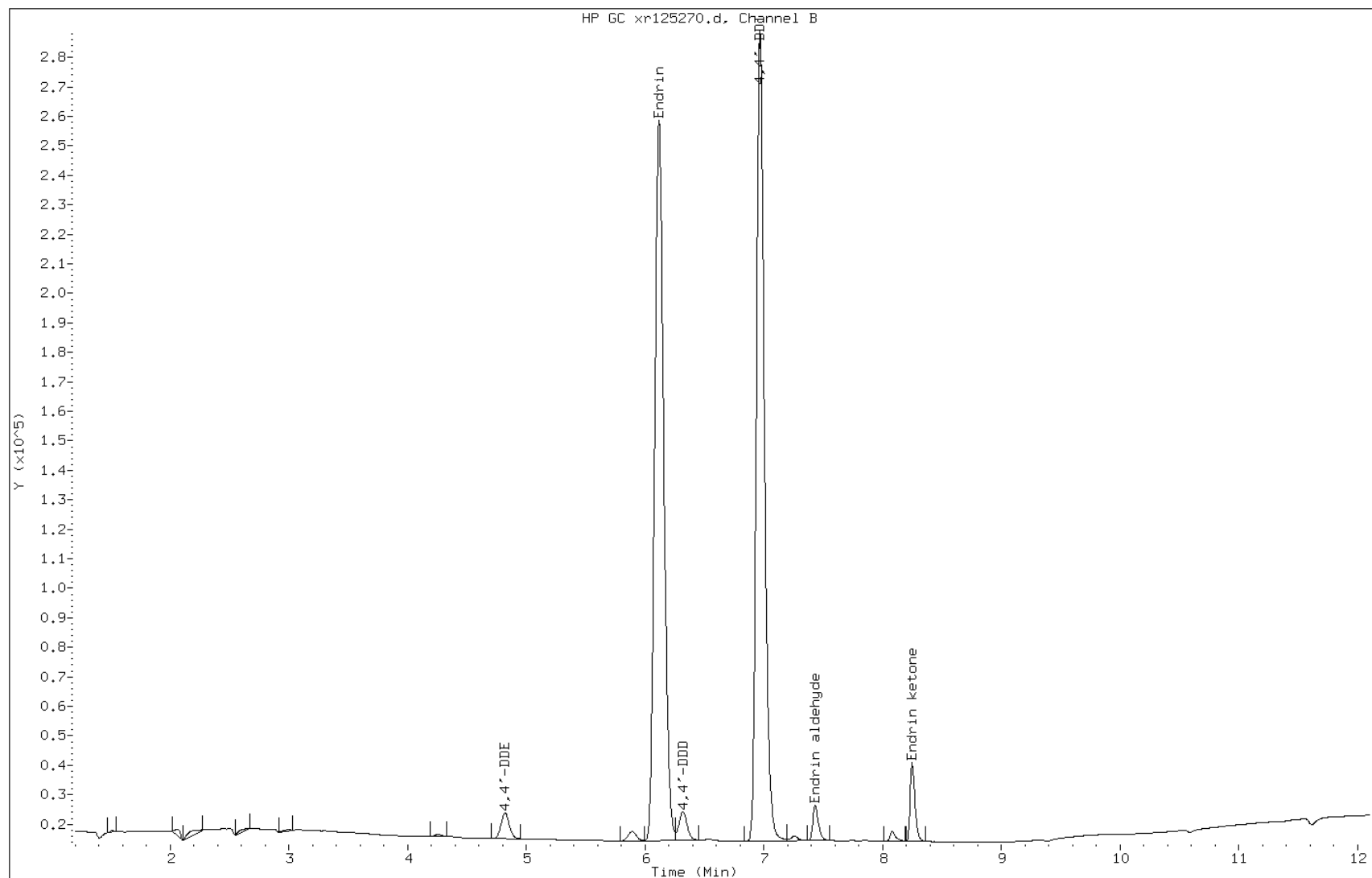
Date: 11-OCT-2011 10:59

Client ID:

Instrument: PESTGC1.i

Sample Info: SGDDT/EI_00015

Operator:



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Lab Sample ID: PEM 460-89301/4 Calibration Date: 10/12/2011 07:11
Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
Lab File ID: xf125354.d Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.41	584938	3.43	15	
Endrin aldehyde	9.06	6063			
Endrin ketone	9.80	14696			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	8.88	539359	3.41	15	
4,4'-DDD	0.00	0			
4,4'-DDE	7.82	19058			

Data File: xf125354.d
 Report Date: 13-Oct-2011 06:15

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-12-11/12oct11a.b/xf125354.d
 Lab Smp Id: SGDDT/EI_00015
 Inj Date : 12-OCT-2011 07:11
 Operator : Inst ID: PESTGC1.i
 Smp Info : SGDDT/EI_00015
 Misc Info :
 Comment :
 Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-12-11/12oct11a.b/09Xf8081.m
 Meth Date : 12-Oct-2011 13:03 ferdie Quant Type: ESTD
 Cal Date : 05-OCT-2011 09:25 Cal File: xf125059.d
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: END_DDT.sub
 Target Version: 3.50 Sample Matrix: SOIL
 Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL	FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
8 4,4'-DDE			CAS #: 72-55-9					
7.820	7.820	0.000	19058	6.15986	4.1	80.00- 120.00	100.00(a)	

9 4,4'-DDT			CAS #: 50-29-3					
8.880	8.883	-0.003	539359	212.217	140	80.00- 120.00	100.00	

14 Endrin			CAS #: 72-20-8					
8.413	8.413	0.000	584938	218.901	140	80.00- 120.00	100.00	

15 Endrin aldehyde			CAS #: 7421-93-4					
9.063	9.063	0.000	6063	2.68540	1.8	80.00- 120.00	100.00(a)	

16 Endrin ketone			CAS #: 53494-70-5					
9.800	9.800	0.000	14696	5.93826	4.0	80.00- 120.00	100.00(a)	

Data File: xf125354.d
Report Date: 13-Oct-2011 06:15

QC Flag Legend

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

Data File: xf125354.d

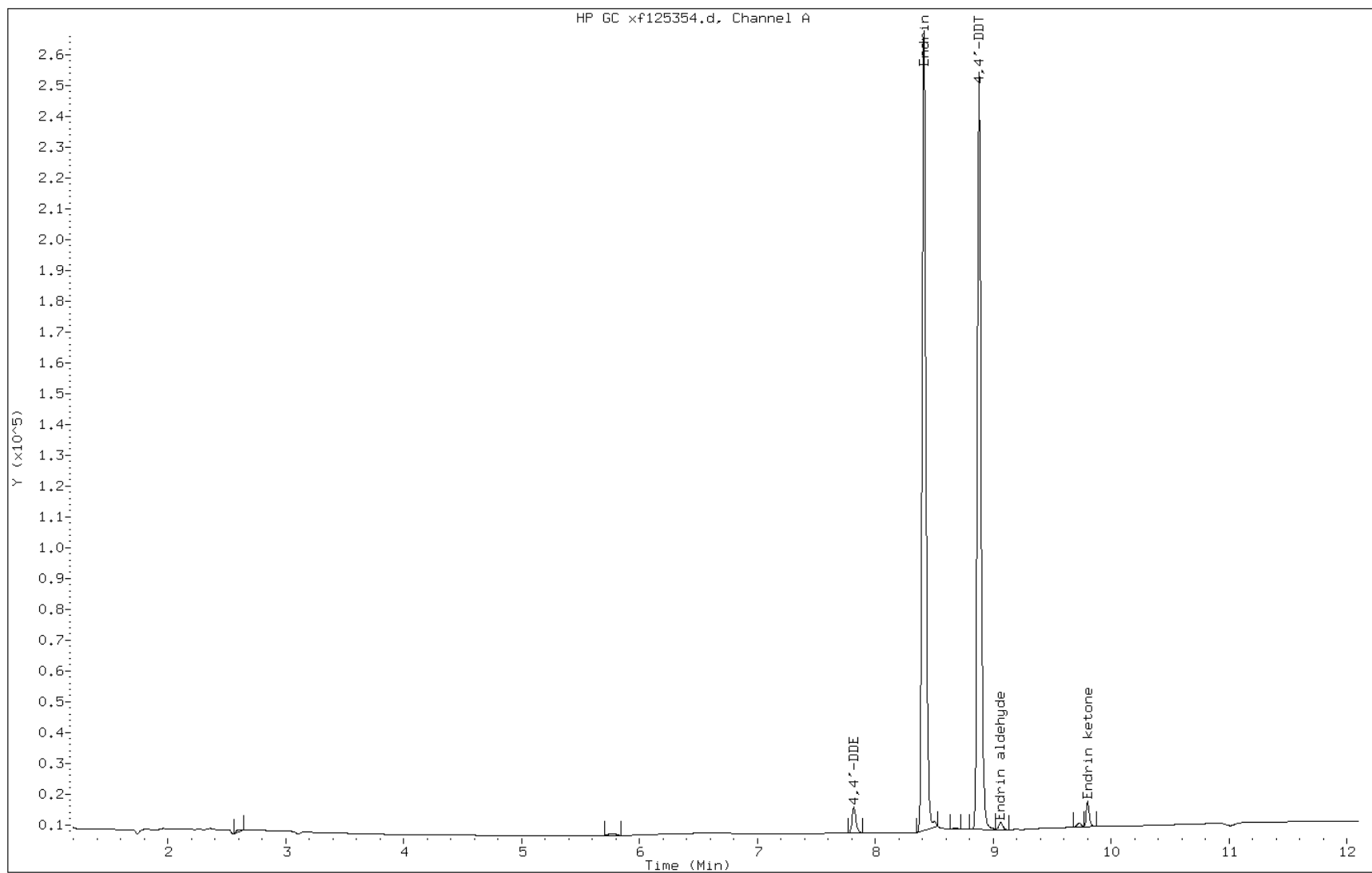
Date: 12-OCT-2011 07:11

Client ID:

Instrument: PESTGC1.i

Sample Info: SGDDT/EI_00015

Operator:



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Lab Sample ID: PEM 460-89301/4 Calibration Date: 10/12/2011 07:11
Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
Lab File ID: xr125354.d Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.11	1338957	2.94	15	
Endrin aldehyde	7.43	10912			
Endrin ketone	8.24	29689			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	6.96	1312286	3.72	15	
4,4'-DDD	6.31	10337			
4,4'-DDE	4.82	40382			

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-12-11/12oct11a.b/xr125354.d
Lab Smp Id: SGDDT/EI_00015
Inj Date : 12-OCT-2011 07:11
Operator : Inst ID: PESTGC1.i
Smp Info : SGDDT/EI_00015
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-12-11/12oct11a.b/09Xr8081.m
Meth Date : 12-Oct-2011 13:00 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Compound Sublist: END_DDT.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
RT	EXP RT	DLT RT	ON-COL		FINAL	TARGET RANGE		RATIO	
			RESPONSE	(ug/L)	(ug/kg)				
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
7	4,4'-DDD					CAS #: 72-54-8			
6.313	6.313	0.000	10337	1.94290	1.3	80.00- 120.00	100.00(a)		
8	4,4'-DDE					CAS #: 72-55-9			
4.820	4.823	-0.003	40382	6.48757	4.3	80.00- 120.00	100.00(a)		
9	4,4'-DDT					CAS #: 50-29-3			
6.960	6.963	-0.003	1312286	233.663	160	80.00- 120.00	100.00		
14	Endrin					CAS #: 72-20-8			
6.113	6.117	-0.004	1338957	230.862	150	80.00- 120.00	100.00		
15	Endrin aldehyde					CAS #: 7421-93-4			
7.427	7.427	0.000	10912	2.37036	1.6	80.00- 120.00	100.00(a)		

		CONCENTRATIONS							
		ON-COL		FINAL					
RT	EXP RT	DLT RT	RT	RESPONSE (ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====		=====	=====	=====	=====	=====	
16 Endrin ketone				CAS #: 53494-70-5					
8.243	8.243	0.000		29689	5.51654	3.7	80.00- 120.00	100.00(a)	

QC Flag Legend

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

Data File: xr125354.d

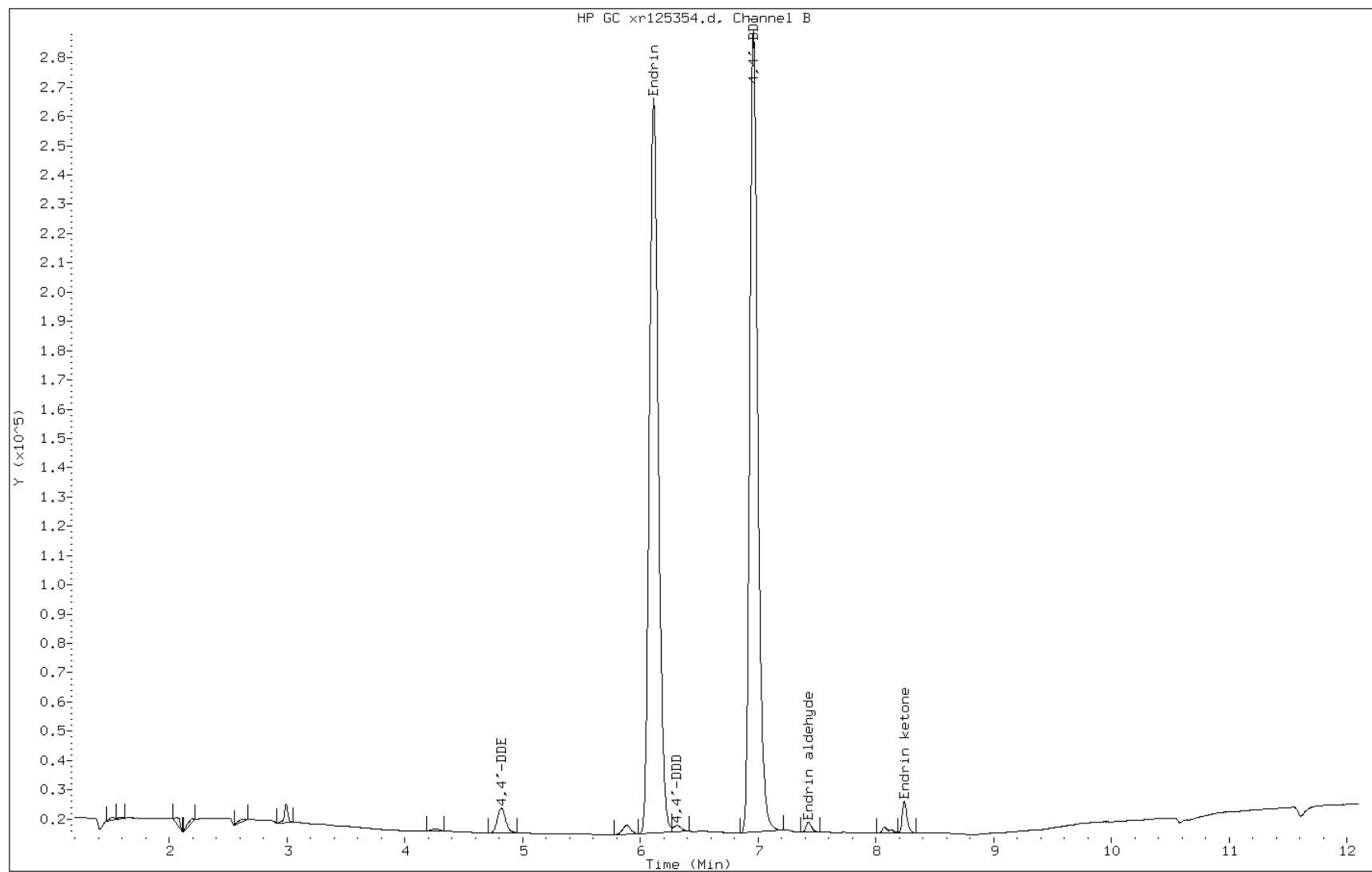
Date: 12-OCT-2011 07:11

Client ID:

Instrument: PESTGC1.i

Sample Info: SGDDT/EI_00015

Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-89072/2 Calibration Date: 10/11/2011 10:45
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xf125269.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	4233	4140		97.8	100	-2.2	15.0
gamma-BHC (Lindane)	Ave	4268	4191		98.2	100	-1.8	15.0
beta-BHC	Ave	2116	2060		97.3	100	-2.7	15.0
delta-BHC	Ave	4326	4268		98.6	100	-1.4	15.0
Heptachlor	Ave	4315	4011		93.0	100	-7.0	15.0
Aldrin	Ave	4300	4224		98.2	100	-1.8	15.0
Heptachlor epoxide	Ave	3772	3599		95.4	100	-4.6	15.0
gamma-Chlordane	Ave	3598	3404		94.6	100	-5.4	15.0
alpha-Chlordane	Ave	3265	3038		93.0	100	-7.0	15.0
Endosulfan I	Ave	3123	2941		94.2	100	-5.8	15.0
4,4'-DDE	Ave	3094	2966		95.9	100	-4.1	15.0
Dieldrin	Ave	3248	3086		95.0	100	-5.0	15.0
Endrin	Ave	2672	2341		87.6	100	-12.4	15.0
4,4'-DDD	Ave	2652	2544		95.9	100	-4.1	15.0
Endosulfan II	Ave	2821	2641		93.6	100	-6.4	15.0
4,4'-DDT	Ave	2542	2200		86.5	100	-13.5	15.0
Endrin aldehyde	Ave	2258	2137		94.6	100	-5.4	15.0
Endosulfan sulfate	Ave	2291	2063		90.0	100	-10.0	15.0
Methoxychlor	Ave	1237	1056		85.3	100	-14.7	15.0
Endrin ketone	Ave	2475	2209		89.2	100	-10.8	15.0
Tetrachloro-m-xylene	Ave	3083	2802		90.9	100	-9.1	15.0
DCB Decachlorobiphenyl	Ave	2069	1843		89.1	100	-10.9	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-89072/2 Calibration Date: 10/11/2011 10:45
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xf125269.d

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	3.18	3.13	3.23
gamma-BHC (Lindane)	3.68	3.63	3.73
beta-BHC	3.83	3.78	3.88
delta-BHC	4.61	4.56	4.66
Heptachlor	4.81	4.76	4.86
Aldrin	5.72	5.67	5.77
Heptachlor epoxide	7.15	7.08	7.22
gamma-Chlordane	7.46	7.39	7.53
alpha-Chlordane	7.65	7.58	7.72
Endosulfan I	7.73	7.66	7.80
4,4'-DDE	7.82	7.75	7.89
Dieldrin	8.05	7.98	8.12
Endrin	8.42	8.35	8.49
4,4'-DDD	8.50	8.43	8.57
Endosulfan II	8.66	8.59	8.73
4,4'-DDT	8.88	8.81	8.95
Endrin aldehyde	9.06	9.00	9.14
Endosulfan sulfate	9.36	9.30	9.44
Methoxychlor	9.57	9.50	9.64
Endrin ketone	9.80	9.73	9.87
Tetrachloro-m-xylene	2.59	2.55	2.65
DCB Decachlorobiphenyl	10.75	10.65	10.85

Data File: xf125269.d
Report Date: 12-Oct-2011 06:04

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/xf125269.d
Lab Smp Id: SGPESTL3_00010
Inj Date : 11-OCT-2011 10:45
Operator :
Smp Info : SGPESTL3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/09Xf8081.m
Meth Date : 12-Oct-2011 06:04 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125059.d
Continuing Calibration Sample
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	CAL-AMT (ug/L)	ON-COL	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
\$ 28 Tetrachloro-m-xylene(surr)									
					CAS #: 877-09-8				
2.593	2.593	0.000	280153	100.000	91	80.00- 120.00	100.00		

					CAS #: 319-84-6				
3.180	3.180	0.000	413986	100.000	98	80.00- 120.00	100.00		

					CAS #: 58-89-9				
3.677	3.677	0.000	419135	100.000	98	80.00- 120.00	100.00		

					CAS #: 319-85-7				
3.833	3.833	0.000	206016	100.000	97	80.00- 120.00	100.00		

					CAS #: 319-86-8				
4.607	4.607	0.000	426753	100.000	99	80.00- 120.00	100.00		

Data File: xf125269.d
Report Date: 12-Oct-2011 06:04

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
4.813	4.813	0.000	401136	100.000	93	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
5.717	5.717	0.000	422378	100.000	98	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
7.147	7.147	0.000	359897	100.000	95	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
7.457	7.457	0.000	340376	100.000	94	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
7.647	7.647	0.000	303769	100.000	93	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
7.727	7.727	0.000	294144	100.000	94	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
7.820	7.820	0.000	296557	100.000	96	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
8.050	8.050	0.000	308550	100.000	95	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
8.417	8.417	0.000	234088	100.000	88	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
8.503	8.503	0.000	254426	100.000	96	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
8.663	8.663	0.000	264070	100.000	94	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
8.883	8.883	0.000	219967	100.000	86	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
9.063	9.063	0.000	213659	100.000	95	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
9.363	9.363	0.000	206307	100.000	90	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
9.570	9.570	0.000	105555	100.000	85	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
9.800	9.800	0.000	220852	100.000	89	80.00-	120.00	100.00

Data File: xf125269.d
 Report Date: 12-Oct-2011 06:04

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr) CAS #: 2051-24-3									
10.750	10.750	0.000	184327	100.000	89	80.00-	120.00	100.00	

Data File: xf125269.d

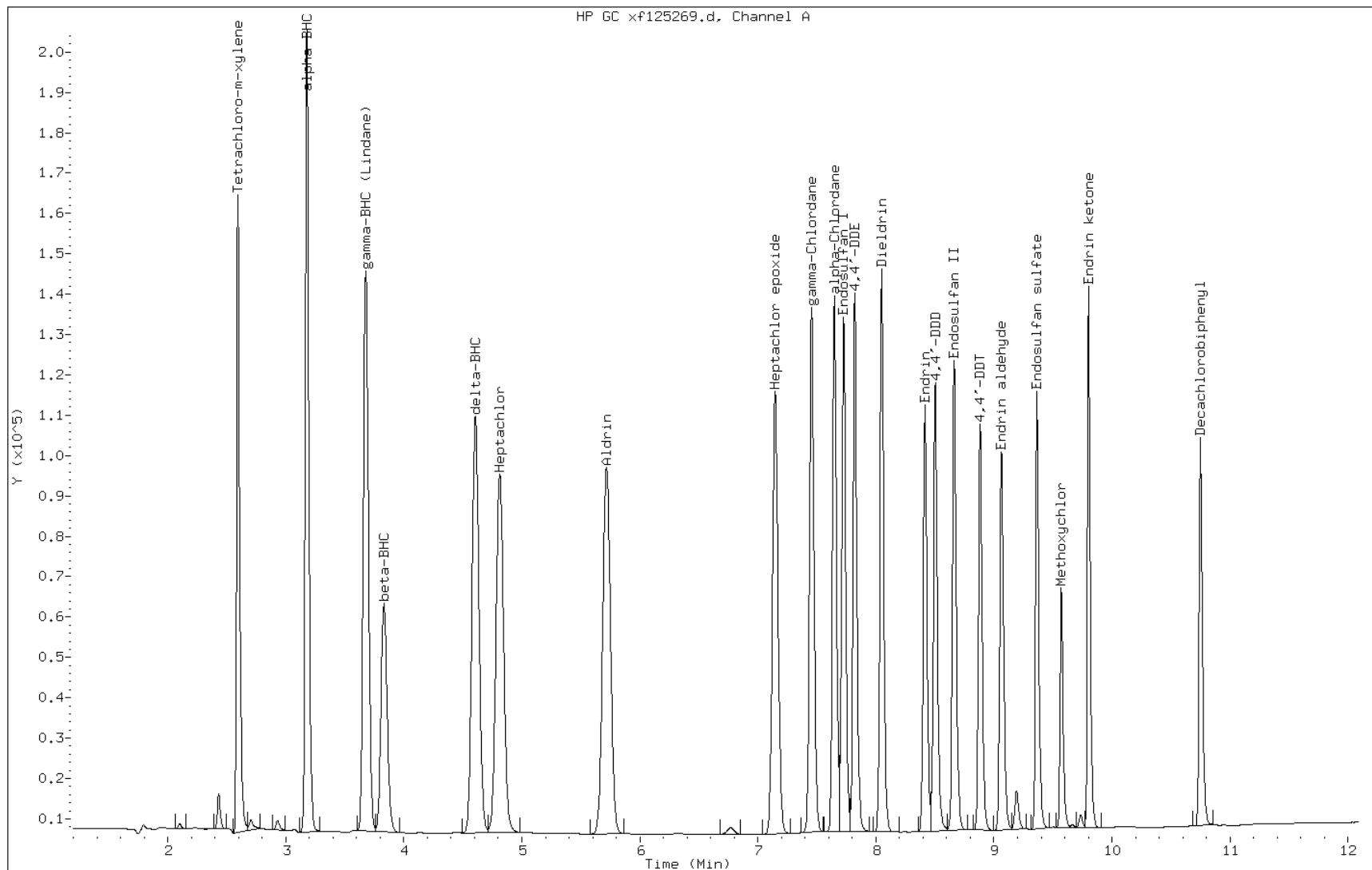
Date: 11-OCT-2011 10:45

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL3_00010

Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-89072/2 Calibration Date: 10/11/2011 10:45
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xr125269.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	7842	8017		102	100	2.2	15.0
gamma-BHC (Lindane)	Ave	6515	6245		95.9	100	-4.1	15.0
beta-BHC	Ave	3723	3801		102	100	2.1	15.0
delta-BHC	Ave	6959	7070		102	100	1.6	15.0
Heptachlor	Ave	7103	7003		98.6	100	-1.4	15.0
Aldrin	Ave	6762	6947		103	100	2.7	15.0
Heptachlor epoxide	Ave	7033	6990		99.4	100	-0.6	15.0
gamma-Chlordane	Ave	7201	7090		98.5	100	-1.5	15.0
alpha-Chlordane	Ave	6937	6911		99.6	100	-0.4	15.0
4,4'-DDE	Ave	6225	6135		98.6	100	-1.4	15.0
Endosulfan I	Ave	6749	6766		100	100	0.2	15.0
Dieldrin	Ave	6734	6635		98.5	100	-1.5	15.0
Endrin	Ave	5800	5299		91.4	100	-8.6	15.0
4,4'-DDD	Ave	5320	5163		97.0	100	-3.0	15.0
Endosulfan II	Ave	5972	5681		95.1	100	-4.9	15.0
4,4'-DDT	Ave	5616	5051		89.9	100	-10.1	15.0
Endrin aldehyde	Ave	4604	4411		95.8	100	-4.2	15.0
Methoxychlor	Ave	2853	2552		89.4	100	-10.6	15.0
Endosulfan sulfate	Ave	4679	4228		90.4	100	-9.6	15.0
Endrin ketone	Ave	5382	4908		91.2	100	-8.8	15.0
Tetrachloro-m-xylene	Ave	5854	5720		97.7	100	-2.3	15.0
DCB Decachlorobiphenyl	Ave	4491	4448		99.0	100	-1.0	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-89072/2 Calibration Date: 10/11/2011 10:45
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xr125269.d

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.31	2.26	2.36
gamma-BHC (Lindane)	2.53	2.49	2.59
beta-BHC	2.60	2.55	2.65
delta-BHC	2.73	2.68	2.78
Heptachlor	2.89	2.84	2.94
Aldrin	3.16	3.11	3.21
Heptachlor epoxide	4.02	3.95	4.09
gamma-Chlordane	4.31	4.24	4.38
alpha-Chlordane	4.62	4.55	4.69
4,4'-DDE	4.83	4.76	4.90
Endosulfan I	4.94	4.87	5.01
Dieldrin	5.53	5.46	5.60
Endrin	6.12	6.05	6.19
4,4'-DDD	6.32	6.25	6.39
Endosulfan II	6.66	6.59	6.73
4,4'-DDT	6.97	6.90	7.04
Endrin aldehyde	7.43	7.36	7.50
Methoxychlor	7.69	7.62	7.76
Endosulfan sulfate	7.93	7.86	8.00
Endrin ketone	8.24	8.18	8.32
Tetrachloro-m-xylene	1.93	1.88	1.98
DCB Decachlorobiphenyl	9.38	9.28	9.48

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/xr125269.d
Lab Smp Id: SGPESTL3_00010
Inj Date : 11-OCT-2011 10:45
Operator :
Smp Info : SGPESTL3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/09Xr8081.m
Meth Date : 12-Oct-2011 06:03 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SCpestRANGE.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
\$ 28 Tetrachloro-m-xylene(surr)									
CAS #: 877-09-8									
1.927	1.927	0.000	572031	100.000	98	80.00- 120.00	100.00		

2 alpha-BHC									
CAS #: 319-84-6									
2.313	2.313	0.000	801710	100.000	100	80.00- 120.00	100.00		

5 gamma-BHC (Lindane)									
CAS #: 58-89-9									
2.533	2.537	-0.004	624486	100.000	96	80.00- 120.00	100.00		

3 beta-BHC									
CAS #: 319-85-7									
2.597	2.600	-0.003	380122	100.000	100	80.00- 120.00	100.00		

4 delta-BHC									
CAS #: 319-86-8									
2.727	2.727	0.000	706999	100.000	100	80.00- 120.00	100.00		

				AMOUNTS				
RT	EXP RT	DLT RT		RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====		=====	=====	=====	=====	=====
17 Heptachlor						CAS #:	76-44-8	
2.893	2.893	0.000		700277	100.000	98	80.00- 120.00	100.00

1 Aldrin						CAS #:	309-00-2	
3.157	3.160	-0.003		694673	100.000	100	80.00- 120.00	100.00

18 Heptachlor epoxide						CAS #:	1024-57-3	
4.017	4.020	-0.003		699037	100.000	99	80.00- 120.00	100.00

65 gamma-Chlordane						CAS #:	5103-74-2	
4.310	4.310	0.000		709000	100.000	98	80.00- 120.00	100.00

66 alpha-Chlordane						CAS #:	5103-71-9	
4.620	4.620	0.000		691055	100.000	100	80.00- 120.00	100.00

8 4,4'-DDE						CAS #:	72-55-9	
4.830	4.830	0.000		613548	100.000	98	80.00- 120.00	100.00

11 Endosulfan I						CAS #:	959-98-8	
4.937	4.937	0.000		676605	100.000	100	80.00- 120.00	100.00

10 Dieldrin						CAS #:	60-57-1	
5.530	5.533	-0.003		663540	100.000	98	80.00- 120.00	100.00

14 Endrin						CAS #:	72-20-8	
6.120	6.120	0.000		529892	100.000	91	80.00- 120.00	100.00

7 4,4'-DDD						CAS #:	72-54-8	
6.317	6.320	-0.003		516321	100.000	97	80.00- 120.00	100.00

12 Endosulfan II						CAS #:	33213-65-9	
6.657	6.657	0.000		568147	100.000	95	80.00- 120.00	100.00

9 4,4'-DDT						CAS #:	50-29-3	
6.967	6.967	0.000		505140	100.000	90	80.00- 120.00	100.00

15 Endrin aldehyde						CAS #:	7421-93-4	
7.430	7.430	0.000		441059	100.000	96	80.00- 120.00	100.00

19 Methoxychlor						CAS #:	72-43-5	
7.687	7.690	-0.003		255201	100.000	89	80.00- 120.00	100.00

13 Endosulfan sulfate						CAS #:	1031-07-8	
7.933	7.933	0.000		422765	100.000	90	80.00- 120.00	100.00

16 Endrin ketone						CAS #:	53494-70-5	
8.243	8.247	-0.004		490822	100.000	91	80.00- 120.00	100.00

Data File: xr125269.d
Report Date: 12-Oct-2011 06:04

Page 3

		AMOUNTS							
		CAL-AMT		ON-COL					
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.377	9.377	0.000	444773	100.000	99	80.00-	120.00	100.00	

Data File: xr125269.d

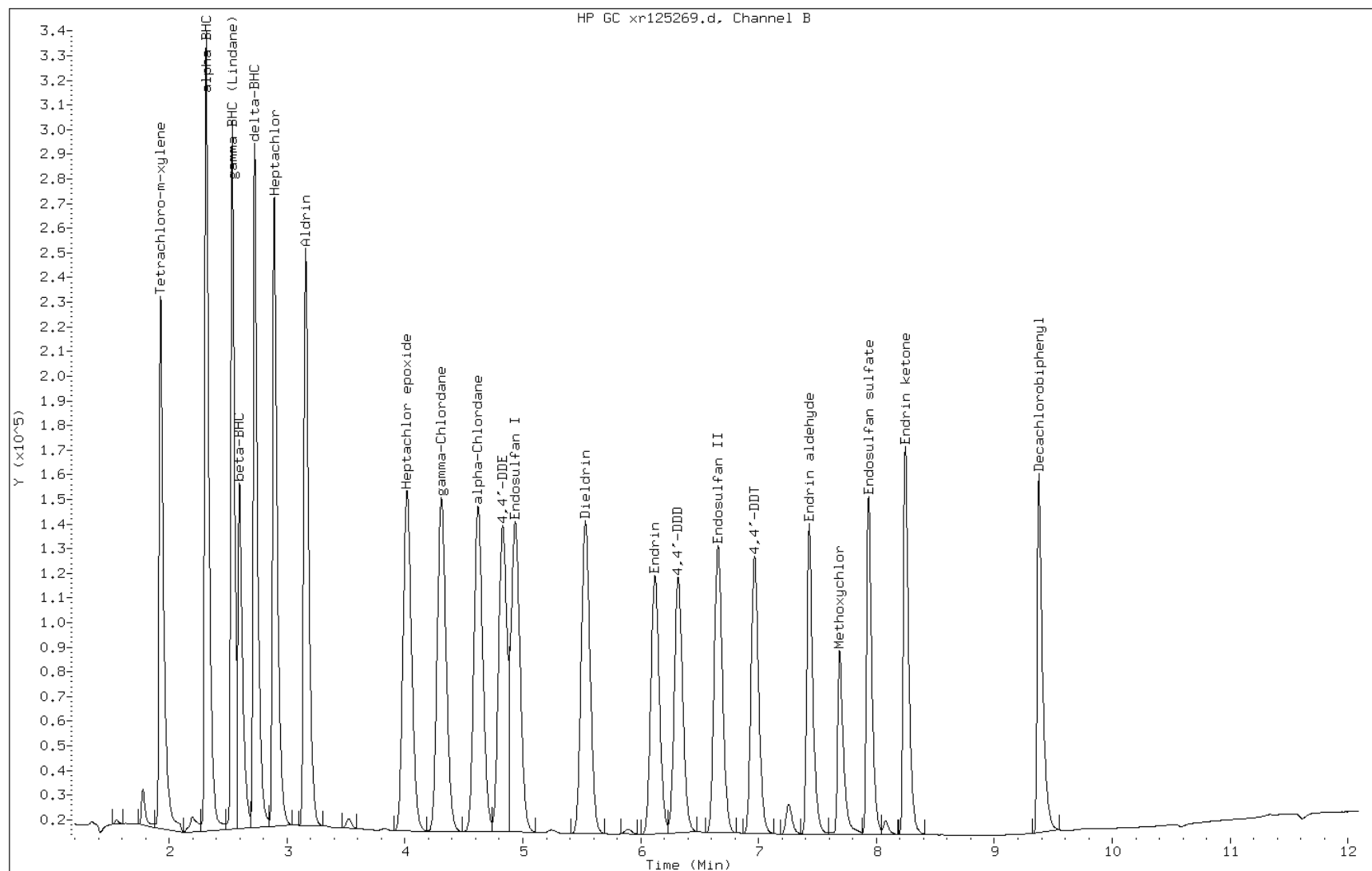
Date: 11-OCT-2011 10:45

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL3_00010

Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCV 460-89072/26 Calibration Date: 10/11/2011 16:28
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xf125293.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	4233	4220		99.7	100	-0.3	15.0
gamma-BHC (Lindane)	Ave	4268	4281		100	100	0.3	15.0
beta-BHC	Ave	2116	2087		98.6	100	-1.4	15.0
delta-BHC	Ave	4326	4443		103	100	2.7	15.0
Heptachlor	Ave	4315	4022		93.2	100	-6.8	15.0
Aldrin	Ave	4300	4308		100	100	0.2	15.0
Heptachlor epoxide	Ave	3772	3659		97.0	100	-3.0	15.0
gamma-Chlordane	Ave	3598	3453		96.0	100	-4.0	15.0
alpha-Chlordane	Ave	3265	3108		95.2	100	-4.8	15.0
Endosulfan I	Ave	3123	2973		95.2	100	-4.8	15.0
4,4'-DDE	Ave	3094	3018		97.6	100	-2.4	15.0
Dieldrin	Ave	3248	3100		95.5	100	-4.5	15.0
Endrin	Ave	2672	2314		86.6	100	-13.4	15.0
4,4'-DDD	Ave	2652	2629		99.1	100	-0.9	15.0
Endosulfan II	Ave	2821	2635		93.4	100	-6.6	15.0
4,4'-DDT	Ave	2542	2002		78.8	100	-21.2*	15.0
Endrin aldehyde	Ave	2258	2080		92.1	100	-7.9	15.0
Endosulfan sulfate	Ave	2291	2084		91.0	100	-9.0	15.0
Methoxychlor	Ave	1237	961.4		77.7	100	-22.3*	15.0
Endrin ketone	Ave	2475	2393		96.7	100	-3.3	15.0
Tetrachloro-m-xylene	Ave	3083	2848		92.4	100	-7.6	15.0
DCB Decachlorobiphenyl	Ave	2069	1865		90.1	100	-9.9	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCV 460-89072/26 Calibration Date: 10/11/2011 16:28
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xf125293.d

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	3.18	3.13	3.23
gamma-BHC (Lindane)	3.68	3.63	3.73
beta-BHC	3.83	3.78	3.88
delta-BHC	4.61	4.56	4.66
Heptachlor	4.81	4.76	4.86
Aldrin	5.72	5.67	5.77
Heptachlor epoxide	7.15	7.08	7.22
gamma-Chlordane	7.46	7.39	7.53
alpha-Chlordane	7.65	7.58	7.72
Endosulfan I	7.73	7.66	7.80
4,4'-DDE	7.82	7.75	7.89
Dieldrin	8.05	7.98	8.12
Endrin	8.42	8.35	8.49
4,4'-DDD	8.50	8.43	8.57
Endosulfan II	8.66	8.59	8.73
4,4'-DDT	8.88	8.81	8.95
Endrin aldehyde	9.07	9.00	9.14
Endosulfan sulfate	9.37	9.30	9.44
Methoxychlor	9.57	9.50	9.64
Endrin ketone	9.80	9.73	9.87
Tetrachloro-m-xylene	2.60	2.55	2.65
DCB Decachlorobiphenyl	10.75	10.65	10.85

Data File: xf125293.d
Report Date: 12-Oct-2011 06:05

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/xf125293.d
Lab Smp Id: PESTL3_00010
Inj Date : 11-OCT-2011 16:28
Operator :
Smp Info : SGPESTL3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/09Xf8081.m
Meth Date : 12-Oct-2011 06:05 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125059.d
Continuing Calibration Sample
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8			
2.597	2.597	0.000	284805	100.000	92	80.00-	120.00	100.00

2 alpha-BHC					CAS #: 319-84-6			
3.180	3.180	0.000	422001	100.000	100	80.00-	120.00	100.00

5 gamma-BHC (Lindane)					CAS #: 58-89-9			
3.680	3.680	0.000	428090	100.000	100	80.00-	120.00	100.00

3 beta-BHC					CAS #: 319-85-7			
3.833	3.833	0.000	208712	100.000	99	80.00-	120.00	100.00

4 delta-BHC					CAS #: 319-86-8			
4.610	4.610	0.000	444257	100.000	100	80.00-	120.00	100.00

Data File: xf125293.d
Report Date: 12-Oct-2011 06:05

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
4.813	4.813	0.000	402226	100.000	93	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
5.720	5.720	0.000	430809	100.000	100	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
7.150	7.150	0.000	365943	100.000	97	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
7.457	7.457	0.000	345339	100.000	96	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
7.650	7.650	0.000	310834	100.000	95	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
7.727	7.727	0.000	297300	100.000	95	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
7.823	7.823	0.000	301836	100.000	98	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
8.050	8.050	0.000	310021	100.000	95	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
8.417	8.417	0.000	231449	100.000	87	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
8.503	8.503	0.000	262896	100.000	99	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
8.663	8.663	0.000	263524	100.000	93	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
8.883	8.883	0.000	200175	100.000	79	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
9.067	9.067	0.000	207964	100.000	92	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
9.367	9.367	0.000	208443	100.000	91	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
9.570	9.570	0.000	96139	100.000	78	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
9.803	9.803	0.000	239270	100.000	97	80.00-	120.00	100.00

Data File: xf125293.d
 Report Date: 12-Oct-2011 06:05

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)				CAS #: 2051-24-3			
10.750	10.750	0.000	186467	100.000	90	80.00- 120.00	100.00

Data File: xf125293.d

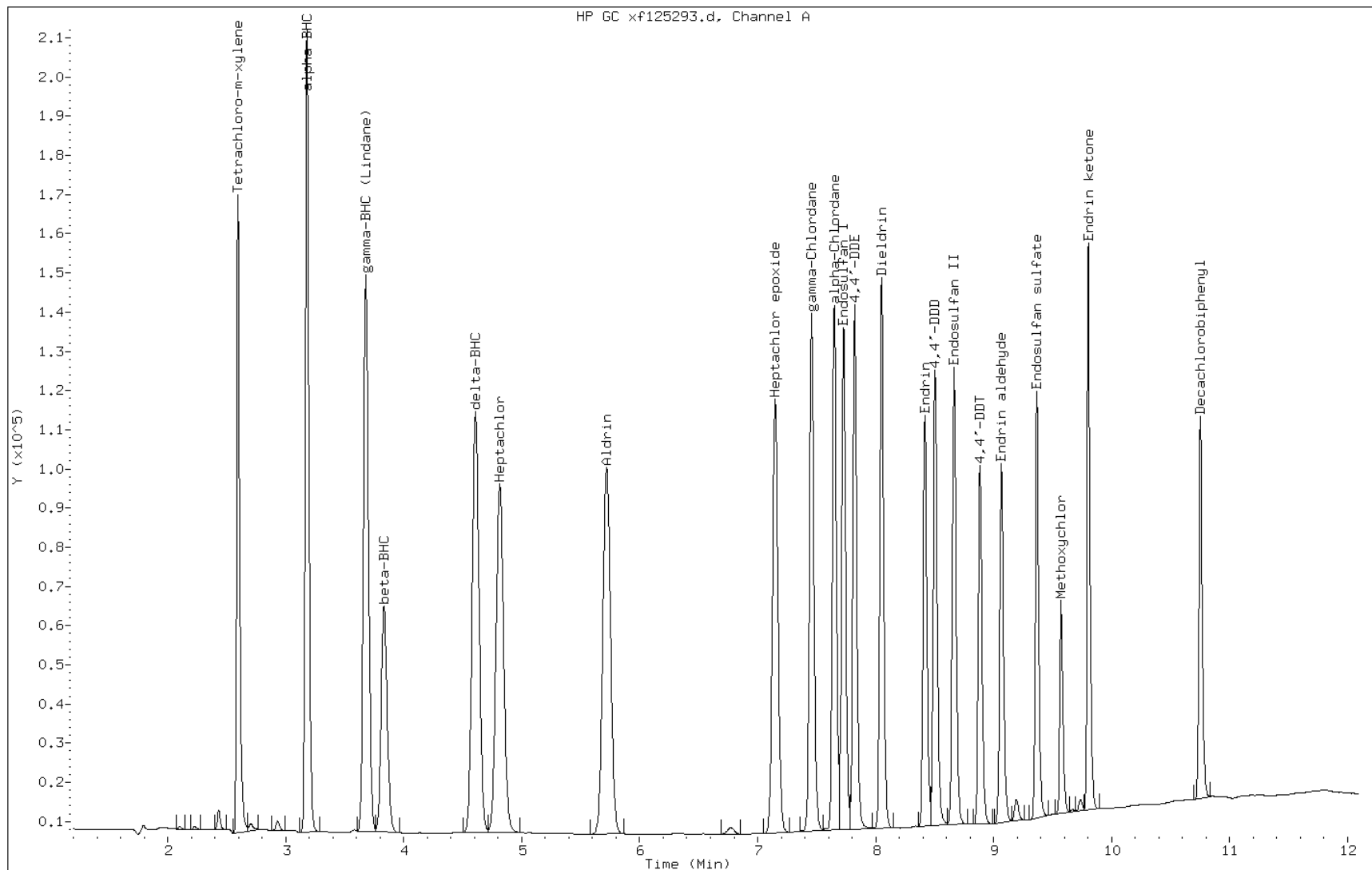
Date: 11-OCT-2011 16:28

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL3_00010

Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCV 460-89072/26 Calibration Date: 10/11/2011 16:28
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xr125293.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	7842	8534		109	100	8.8	15.0
gamma-BHC (Lindane)	Ave	6515	6605		101	100	1.4	15.0
beta-BHC	Ave	3723	4031		108	100	8.3	15.0
delta-BHC	Ave	6959	7647		110	100	9.9	15.0
Heptachlor	Ave	7103	7353		104	100	3.5	15.0
Aldrin	Ave	6762	7397		109	100	9.4	15.0
Heptachlor epoxide	Ave	7033	7336		104	100	4.3	15.0
gamma-Chlordane	Ave	7201	7409		103	100	2.9	15.0
alpha-Chlordane	Ave	6937	7203		104	100	3.8	15.0
4,4'-DDE	Ave	6225	6403		103	100	2.9	15.0
Endosulfan I	Ave	6749	7170		106	100	6.2	15.0
Dieldrin	Ave	6734	7011		104	100	4.1	15.0
Endrin	Ave	5800	5474		94.4	100	-5.6	15.0
4,4'-DDD	Ave	5320	5773		109	100	8.5	15.0
Endosulfan II	Ave	5972	6009		101	100	0.6	15.0
4,4'-DDT	Ave	5616	4860		86.5	100	-13.5	15.0
Endrin aldehyde	Ave	4604	4681		102	100	1.7	15.0
Methoxychlor	Ave	2853	2471		86.6	100	-13.4	15.0
Endosulfan sulfate	Ave	4679	4527		96.8	100	-3.2	15.0
Endrin ketone	Ave	5382	5538		103	100	2.9	15.0
Tetrachloro-m-xylene	Ave	5854	5948		102	100	1.6	15.0
DCB Decachlorobiphenyl	Ave	4491	4402		98.0	100	-2.0	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCV 460-89072/26 Calibration Date: 10/11/2011 16:28
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xr125293.d

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.31	2.26	2.36
gamma-BHC (Lindane)	2.54	2.49	2.59
beta-BHC	2.60	2.55	2.65
delta-BHC	2.73	2.68	2.78
Heptachlor	2.89	2.84	2.94
Aldrin	3.16	3.11	3.21
Heptachlor epoxide	4.02	3.95	4.09
gamma-Chlordane	4.31	4.24	4.38
alpha-Chlordane	4.62	4.55	4.69
4,4'-DDE	4.83	4.76	4.90
Endosulfan I	4.94	4.87	5.01
Dieldrin	5.53	5.46	5.60
Endrin	6.12	6.05	6.19
4,4'-DDD	6.32	6.25	6.39
Endosulfan II	6.66	6.59	6.73
4,4'-DDT	6.97	6.90	7.04
Endrin aldehyde	7.43	7.36	7.50
Methoxychlor	7.69	7.62	7.76
Endosulfan sulfate	7.93	7.86	8.00
Endrin ketone	8.25	8.18	8.32
Tetrachloro-m-xylene	1.93	1.88	1.98
DCB Decachlorobiphenyl	9.38	9.28	9.48

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/xr125293.d
Lab Smp Id: PESTL3_00010
Inj Date : 11-OCT-2011 16:28
Operator :
Smp Info : SGPESTL3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/09Xr8081.m
Meth Date : 12-Oct-2011 06:03 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xr125059.d
Continuing Calibration Sample
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
1.927	1.927	0.000	594812	100.000	100	80.00- 120.00	100.00	

2 alpha-BHC					CAS #:	319-84-6		
2.313	2.313	0.000	853415	100.000	110	80.00- 120.00	100.00	

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
2.537	2.537	0.000	660470	100.000	100	80.00- 120.00	100.00	

3 beta-BHC					CAS #:	319-85-7		
2.600	2.600	0.000	403056	100.000	110	80.00- 120.00	100.00	

4 delta-BHC					CAS #:	319-86-8		
2.727	2.727	0.000	764702	100.000	110	80.00- 120.00	100.00	

				AMOUNTS				
RT	EXP RT	DLT RT		RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====		=====	=====	=====	=====	=====
17 Heptachlor						CAS #:	76-44-8	
2.893	2.893	0.000		735314	100.000	100	80.00- 120.00	100.00

1 Aldrin						CAS #:	309-00-2	
3.160	3.160	0.000		739723	100.000	110	80.00- 120.00	100.00

18 Heptachlor epoxide						CAS #:	1024-57-3	
4.020	4.020	0.000		733593	100.000	100	80.00- 120.00	100.00

65 gamma-Chlordane						CAS #:	5103-74-2	
4.310	4.310	0.000		740851	100.000	100	80.00- 120.00	100.00

66 alpha-Chlordane						CAS #:	5103-71-9	
4.620	4.620	0.000		720325	100.000	100	80.00- 120.00	100.00

8 4,4'-DDE						CAS #:	72-55-9	
4.830	4.830	0.000		640268	100.000	100	80.00- 120.00	100.00

11 Endosulfan I						CAS #:	959-98-8	
4.937	4.937	0.000		717038	100.000	110	80.00- 120.00	100.00

10 Dieldrin						CAS #:	60-57-1	
5.533	5.533	0.000		701148	100.000	100	80.00- 120.00	100.00

14 Endrin						CAS #:	72-20-8	
6.120	6.120	0.000		547440	100.000	94	80.00- 120.00	100.00

7 4,4'-DDD						CAS #:	72-54-8	
6.320	6.320	0.000		577293	100.000	110	80.00- 120.00	100.00

12 Endosulfan II						CAS #:	33213-65-9	
6.657	6.657	0.000		600936	100.000	100	80.00- 120.00	100.00

9 4,4'-DDT						CAS #:	50-29-3	
6.967	6.967	0.000		486012	100.000	86	80.00- 120.00	100.00

15 Endrin aldehyde						CAS #:	7421-93-4	
7.430	7.430	0.000		468071	100.000	100	80.00- 120.00	100.00

19 Methoxychlor						CAS #:	72-43-5	
7.690	7.690	0.000		247059	100.000	86	80.00- 120.00	100.00

13 Endosulfan sulfate						CAS #:	1031-07-8	
7.933	7.933	0.000		452748	100.000	97	80.00- 120.00	100.00

16 Endrin ketone						CAS #:	53494-70-5	
8.247	8.247	0.000		553755	100.000	100	80.00- 120.00	100.00

Data File: xr125293.d
Report Date: 12-Oct-2011 06:05

Page 3

		AMOUNTS							
		CAL-AMT		ON-COL					
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.377	9.377	0.000	440181	100.000	98	80.00-	120.00	100.00	

Data File: xr125293.d

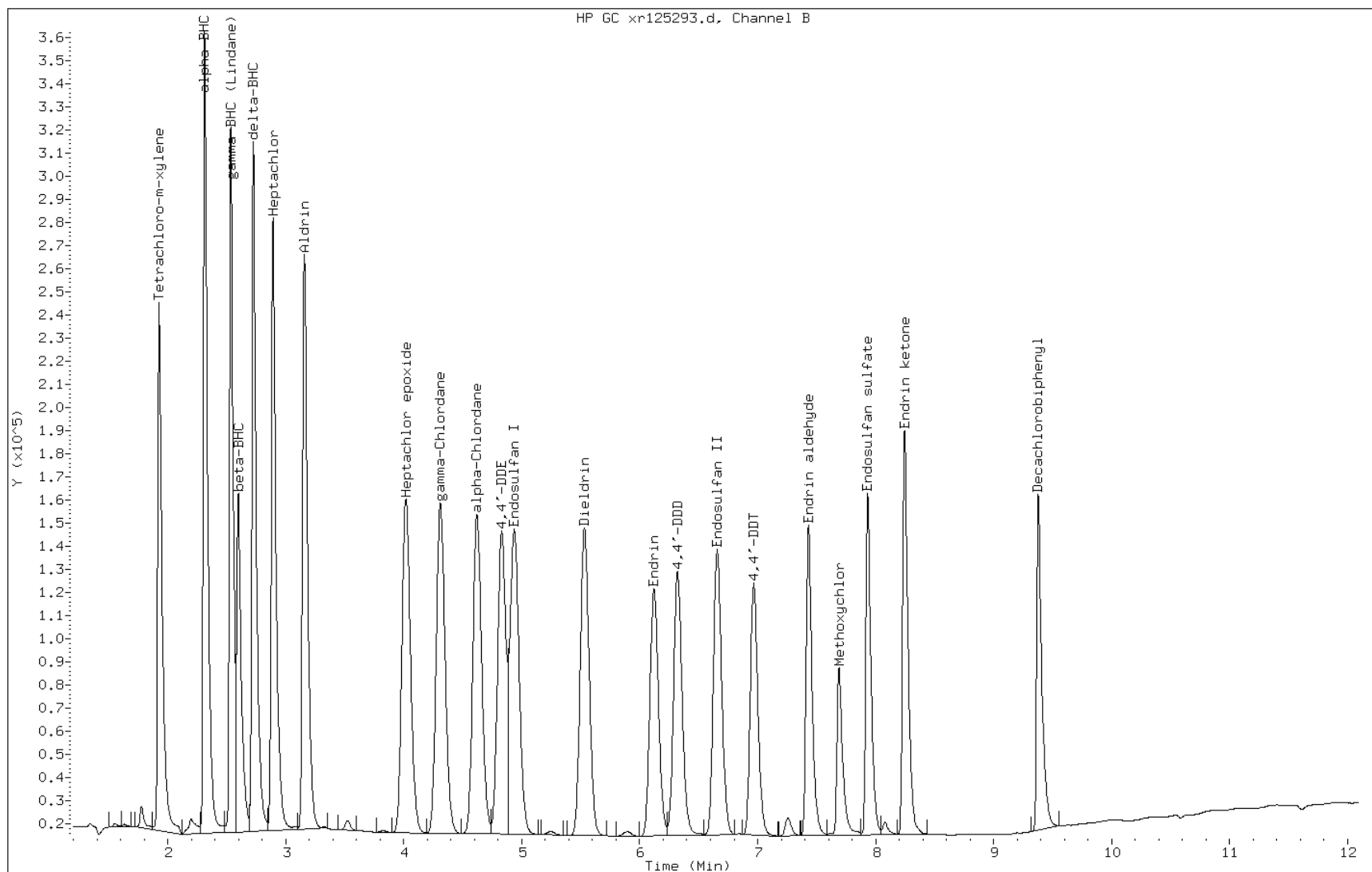
Date: 11-OCT-2011 16:28

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL3_00010

Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-89301/5 Calibration Date: 10/12/2011 07:24
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xf125355.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	4233	4068		96.1	100	-3.9	15.0
gamma-BHC (Lindane)	Ave	4268	4102		96.1	100	-3.9	15.0
beta-BHC	Ave	2116	1970		93.1	100	-6.9	15.0
delta-BHC	Ave	4326	4104		94.9	100	-5.1	15.0
Heptachlor	Ave	4315	3880		89.9	100	-10.1	15.0
Aldrin	Ave	4300	4179		97.2	100	-2.8	15.0
Heptachlor epoxide	Ave	3772	3587		95.1	100	-4.9	15.0
gamma-Chlordane	Ave	3598	3387		94.1	100	-5.9	15.0
alpha-Chlordane	Ave	3265	3028		92.7	100	-7.3	15.0
Endosulfan I	Ave	3123	2928		93.8	100	-6.2	15.0
4,4'-DDE	Ave	3094	2963		95.8	100	-4.2	15.0
Dieldrin	Ave	3248	3088		95.1	100	-4.9	15.0
Endrin	Ave	2672	2583		96.6	100	-3.4	15.0
4,4'-DDD	Ave	2652	2403		90.6	100	-9.4	15.0
Endosulfan II	Ave	2821	2651		94.0	100	-6.0	15.0
4,4'-DDT	Ave	2542	2319		91.3	100	-8.7	15.0
Endrin aldehyde	Ave	2258	2077		92.0	100	-8.0	15.0
Endosulfan sulfate	Ave	2291	2107		92.0	100	-8.0	15.0
Methoxychlor	Ave	1237	1107		89.5	100	-10.5	15.0
Endrin ketone	Ave	2475	2200		88.9	100	-11.1	15.0
Tetrachloro-m-xylene	Ave	3083	2749		89.2	100	-10.8	15.0
DCB Decachlorobiphenyl	Ave	2069	1919		92.7	100	-7.3	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-89301/5 Calibration Date: 10/12/2011 07:24
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xf125355.d

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	3.18	3.13	3.23
gamma-BHC (Lindane)	3.67	3.62	3.72
beta-BHC	3.83	3.78	3.88
delta-BHC	4.60	4.55	4.65
Heptachlor	4.81	4.76	4.86
Aldrin	5.72	5.67	5.77
Heptachlor epoxide	7.15	7.08	7.22
gamma-Chlordane	7.45	7.38	7.52
alpha-Chlordane	7.65	7.58	7.72
Endosulfan I	7.73	7.66	7.80
4,4'-DDE	7.82	7.75	7.89
Dieldrin	8.05	7.98	8.12
Endrin	8.41	8.34	8.48
4,4'-DDD	8.50	8.43	8.57
Endosulfan II	8.66	8.59	8.73
4,4'-DDT	8.88	8.81	8.95
Endrin aldehyde	9.06	8.99	9.13
Endosulfan sulfate	9.36	9.29	9.43
Methoxychlor	9.57	9.50	9.64
Endrin ketone	9.80	9.73	9.87
Tetrachloro-m-xylene	2.59	2.54	2.64
DCB Decachlorobiphenyl	10.75	10.65	10.85

Data File: xf125355.d
Report Date: 13-Oct-2011 06:15

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-12-11/12oct11a.b/xf125355.d
Lab Smp Id: SGPESTL3_00010
Inj Date : 12-OCT-2011 07:24
Operator :
Smp Info : SGPESTL3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-12-11/12oct11a.b/09Xf8081.m
Meth Date : 13-Oct-2011 06:15 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125059.d
Continuing Calibration Sample
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
2.590	2.590	0.000	274919	100.000	89	80.00- 120.00	100.00	

2 alpha-BHC					CAS #:	319-84-6		
3.177	3.177	0.000	406766	100.000	96	80.00- 120.00	100.00	

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
3.673	3.673	0.000	410197	100.000	96	80.00- 120.00	100.00	

3 beta-BHC					CAS #:	319-85-7		
3.827	3.827	0.000	197033	100.000	93	80.00- 120.00	100.00	

4 delta-BHC					CAS #:	319-86-8		
4.603	4.603	0.000	410425	100.000	95	80.00- 120.00	100.00	

Data File: xf125355.d
Report Date: 13-Oct-2011 06:15

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
4.810	4.810	0.000	388002	100.000	90	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
5.717	5.717	0.000	417876	100.000	97	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
7.147	7.147	0.000	358703	100.000	95	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
7.453	7.453	0.000	338738	100.000	94	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
7.647	7.647	0.000	302834	100.000	93	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
7.727	7.727	0.000	292779	100.000	94	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
7.820	7.820	0.000	296260	100.000	96	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
8.047	8.047	0.000	308752	100.000	95	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
8.413	8.413	0.000	258264	100.000	97	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
8.500	8.500	0.000	240305	100.000	91	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
8.663	8.663	0.000	265096	100.000	94	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
8.883	8.883	0.000	231921	100.000	91	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
9.063	9.063	0.000	207651	100.000	92	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
9.363	9.363	0.000	210729	100.000	92	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
9.570	9.570	0.000	110740	100.000	89	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
9.800	9.800	0.000	220015	100.000	89	80.00-	120.00	100.00

Data File: xf125355.d
Report Date: 13-Oct-2011 06:15

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)				CAS #: 2051-24-3			
10.750	10.750	0.000	191859	100.000	93	80.00- 120.00	100.00

Data File: xf125355.d

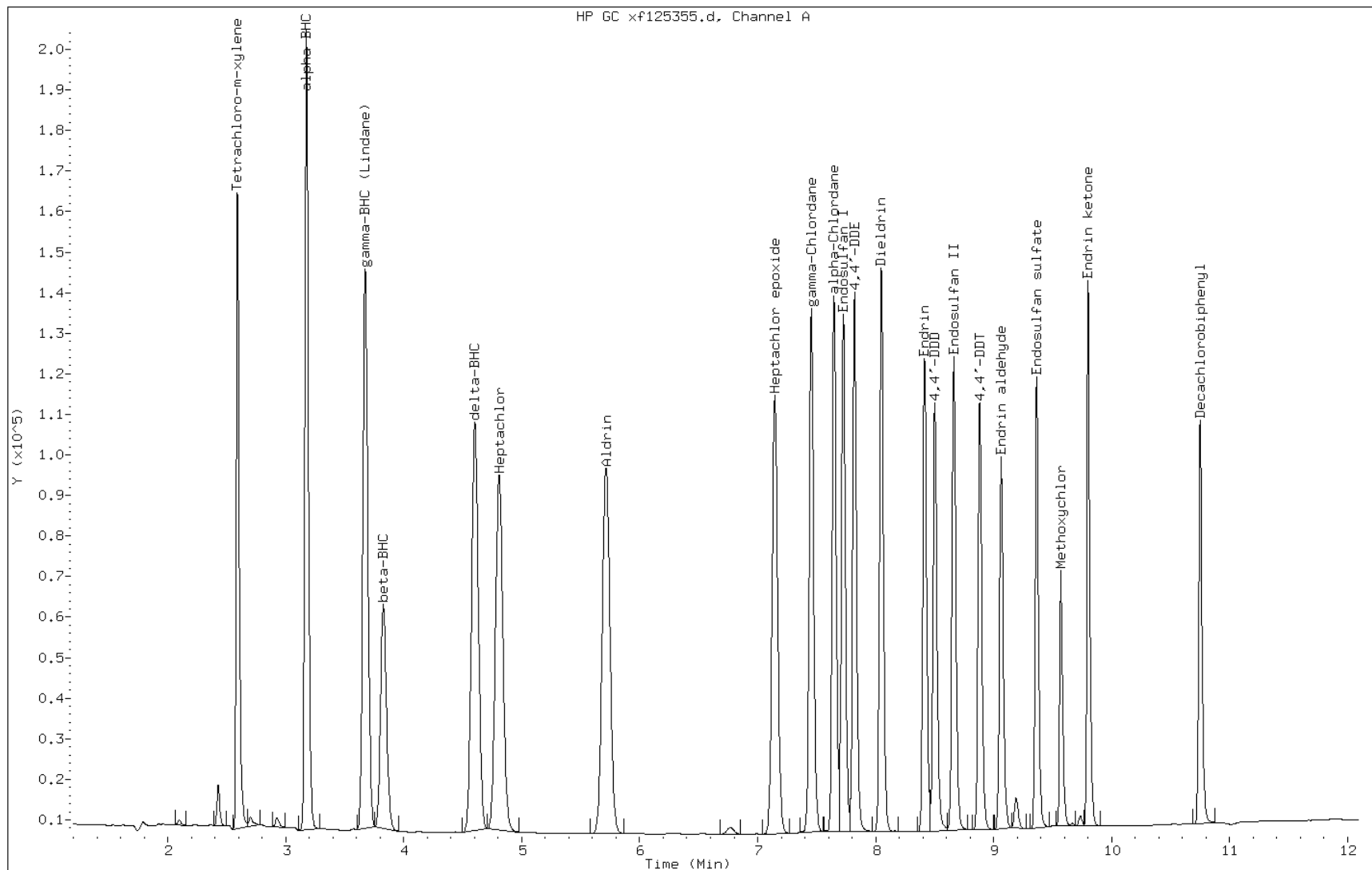
Date: 12-OCT-2011 07:24

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL3_00010

Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-89301/5 Calibration Date: 10/12/2011 07:24
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xr125355.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	7842	7842		100	100	0.0	15.0
gamma-BHC (Lindane)	Ave	6515	6013		92.3	100	-7.7	15.0
beta-BHC	Ave	3723	3782		102	100	1.6	15.0
delta-BHC	Ave	6959	6852		98.5	100	-1.5	15.0
Heptachlor	Ave	7103	7149		101	100	0.6	15.0
Aldrin	Ave	6762	6859		101	100	1.4	15.0
Heptachlor epoxide	Ave	7033	7045		100	100	0.2	15.0
gamma-Chlordane	Ave	7201	7094		98.5	100	-1.5	15.0
alpha-Chlordane	Ave	6937	6921		99.8	100	-0.2	15.0
4,4'-DDE	Ave	6225	6155		98.9	100	-1.1	15.0
Endosulfan I	Ave	6749	6897		102	100	2.2	15.0
Dieldrin	Ave	6734	6747		100	100	0.2	15.0
Endrin	Ave	5800	5958		103	100	2.7	15.0
4,4'-DDD	Ave	5320	5251		98.7	100	-1.3	15.0
Endosulfan II	Ave	5972	5904		98.9	100	-1.1	15.0
4,4'-DDT	Ave	5616	5630		100	100	0.2	15.0
Endrin aldehyde	Ave	4604	4385		95.3	100	-4.7	15.0
Methoxychlor	Ave	2853	2786		97.6	100	-2.4	15.0
Endosulfan sulfate	Ave	4679	4323		92.4	100	-7.6	15.0
Endrin ketone	Ave	5382	4949		92.0	100	-8.0	15.0
Tetrachloro-m-xylene	Ave	5854	5534		94.5	100	-5.5	15.0
DCB Decachlorobiphenyl	Ave	4491	4488		99.9	100	-0.0	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-89301/5 Calibration Date: 10/12/2011 07:24
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xr125355.d

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.31	2.26	2.36
gamma-BHC (Lindane)	2.53	2.48	2.58
beta-BHC	2.60	2.54	2.64
delta-BHC	2.72	2.67	2.77
Heptachlor	2.89	2.84	2.94
Aldrin	3.16	3.10	3.20
Heptachlor epoxide	4.01	3.94	4.08
gamma-Chlordane	4.31	4.23	4.37
alpha-Chlordane	4.62	4.54	4.68
4,4'-DDE	4.83	4.75	4.89
Endosulfan I	4.93	4.86	5.00
Dieldrin	5.53	5.45	5.59
Endrin	6.12	6.05	6.19
4,4'-DDD	6.32	6.24	6.38
Endosulfan II	6.65	6.58	6.72
4,4'-DDT	6.96	6.89	7.03
Endrin aldehyde	7.43	7.36	7.50
Methoxychlor	7.69	7.62	7.76
Endosulfan sulfate	7.93	7.86	8.00
Endrin ketone	8.24	8.17	8.31
Tetrachloro-m-xylene	1.92	1.87	1.97
DCB Decachlorobiphenyl	9.38	9.28	9.48

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-12-11/12oct11a.b/xr125355.d
Lab Smp Id: SGPESTL3_00010
Inj Date : 12-OCT-2011 07:24
Operator :
Smp Info : SGPESTL3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-12-11/12oct11a.b/09Xr8081.m
Meth Date : 12-Oct-2011 13:00 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xr125059.d
Continuing Calibration Sample
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
1.923	1.923	0.000	553369	100.000	94	80.00- 120.00	100.00	

2 alpha-BHC					CAS #:	319-84-6		
2.310	2.310	0.000	784234	100.000	100	80.00- 120.00	100.00	

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
2.533	2.533	0.000	601256	100.000	92	80.00- 120.00	100.00	

3 beta-BHC					CAS #:	319-85-7		
2.597	2.593	0.004	378232	100.000	100	80.00- 120.00	100.00	

4 delta-BHC					CAS #:	319-86-8		
2.723	2.723	0.000	685221	100.000	98	80.00- 120.00	100.00	

					AMOUNTS			
RT	EXP RT	DLT RT		RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====		=====	=====	=====	=====	=====
17 Heptachlor						CAS #:	76-44-8	
2.890	2.890	0.000		714942	100.000	100	80.00- 120.00	100.00

1 Aldrin						CAS #:	309-00-2	
3.157	3.153	0.004		685919	100.000	100	80.00- 120.00	100.00

18 Heptachlor epoxide						CAS #:	1024-57-3	
4.013	4.010	0.003		704535	100.000	100	80.00- 120.00	100.00

65 gamma-Chlordane						CAS #:	5103-74-2	
4.307	4.303	0.004		709394	100.000	98	80.00- 120.00	100.00

66 alpha-Chlordane						CAS #:	5103-71-9	
4.617	4.613	0.004		692088	100.000	100	80.00- 120.00	100.00

8 4,4'-DDE						CAS #:	72-55-9	
4.827	4.823	0.004		615502	100.000	99	80.00- 120.00	100.00

11 Endosulfan I						CAS #:	959-98-8	
4.933	4.930	0.003		689729	100.000	100	80.00- 120.00	100.00

10 Dieldrin						CAS #:	60-57-1	
5.530	5.523	0.007		674687	100.000	100	80.00- 120.00	100.00

14 Endrin						CAS #:	72-20-8	
6.120	6.117	0.003		595782	100.000	100	80.00- 120.00	100.00

7 4,4'-DDD						CAS #:	72-54-8	
6.317	6.313	0.004		525057	100.000	99	80.00- 120.00	100.00

12 Endosulfan II						CAS #:	33213-65-9	
6.653	6.650	0.003		590443	100.000	99	80.00- 120.00	100.00

9 4,4'-DDT						CAS #:	50-29-3	
6.963	6.963	0.000		562983	100.000	100	80.00- 120.00	100.00

15 Endrin aldehyde						CAS #:	7421-93-4	
7.430	7.427	0.003		438536	100.000	95	80.00- 120.00	100.00

19 Methoxychlor						CAS #:	72-43-5	
7.690	7.687	0.003		278607	100.000	98	80.00- 120.00	100.00

13 Endosulfan sulfate						CAS #:	1031-07-8	
7.933	7.930	0.003		432312	100.000	92	80.00- 120.00	100.00

16 Endrin ketone						CAS #:	53494-70-5	
8.243	8.243	0.000		494901	100.000	92	80.00- 120.00	100.00

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT		ON-COL	TARGET RANGE	RATIO
			RESPONSE (ug/L)	(ug/L)	(ug/L)		
==	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)			CAS #: 2051-24-3				
9.377	9.377	0.000	448794	100.000	100	80.00- 120.00	100.00

Data File: xr125355.d

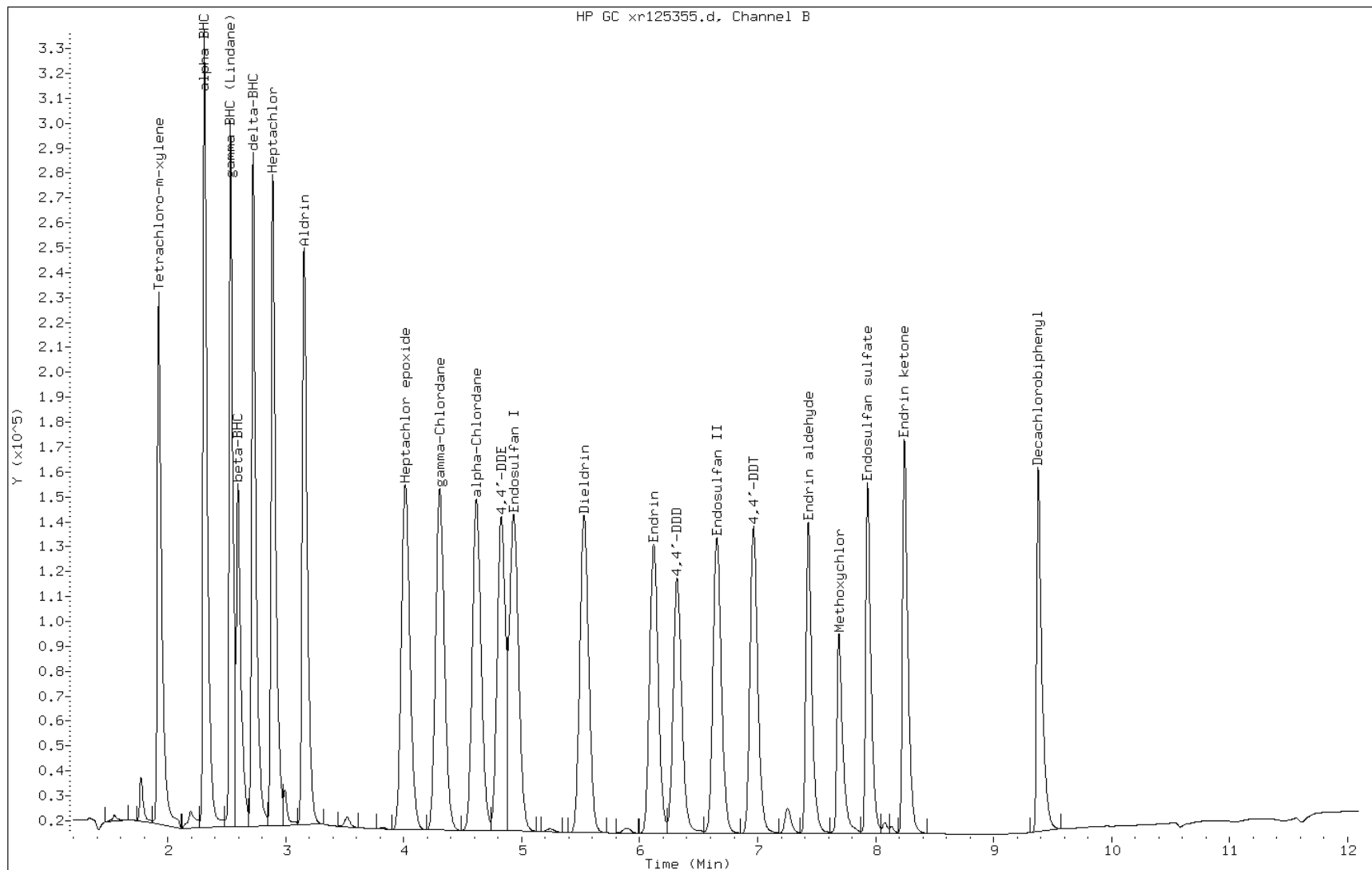
Date: 12-OCT-2011 07:24

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL3_00010

Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCV 460-89301/25 Calibration Date: 10/12/2011 12:05
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xf125375.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aldrin	Ave	4300	0.0000		0.0500	100	-100.0*	15.0
alpha-BHC	Ave	4233	0.0000		0.0500	100	-100.0*	15.0
alpha-Chlordane	Ave	3265	0.0000		0.0500	100	-100.0*	15.0
beta-BHC	Ave	2116	0.0000		0.0500	100	-100.0*	15.0
delta-BHC	Ave	4326	0.0000		0.0500	100	-100.0*	15.0
Dieldrin	Ave	3248	0.0000		0.0500	100	-100.0*	15.0
Endosulfan I	Ave	3123	0.0000		0.0500	100	-100.0*	15.0
Endosulfan II	Ave	2821	0.0000		0.0500	100	-100.0*	15.0
Endosulfan sulfate	Ave	2291	0.0000		0.0500	100	-100.0*	15.0
gamma-BHC (Lindane)	Ave	4268	0.0000		0.0500	100	-100.0*	15.0
gamma-Chlordane	Ave	3598	0.0000		0.0500	100	-100.0*	15.0
Heptachlor	Ave	4315	0.0000		0.0500	100	-100.0*	15.0
Heptachlor epoxide	Ave	3772	0.0000		0.0500	100	-100.0*	15.0
Methoxychlor	Ave	1237	0.0000		0.0500	100	-100.0*	15.0
4,4'-DDE	Ave	3094	2978		96.2	100	-3.8	15.0
Endrin	Ave	2672	2492		93.3	100	-6.7	15.0
4,4'-DDD	Ave	2652	2528		95.3	100	-4.7	15.0
4,4'-DDT	Ave	2542	2237		88.0	100	-12.0	15.0
Endrin aldehyde	Ave	2258	2126		94.2	100	-5.8	15.0
Endrin ketone	Ave	2475	2332		94.2	100	-5.8	15.0
DCB Decachlorobiphenyl	Ave	2069	0.0000		0.00000 0	100	-100.0*	15.0
Tetrachloro-m-xylene	Ave	3083	0.0000		0.00000 0	100	-100.0*	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCV 460-89301/25 Calibration Date: 10/12/2011 12:05
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xf125375.d

Analyte	RT	RT WINDOW	
		TO	FROM
Aldrin	0.00	5.67	5.77
alpha-BHC	0.00	3.13	3.23
alpha-Chlordane	0.00	7.58	7.72
beta-BHC	0.00	3.78	3.88
delta-BHC	0.00	4.55	4.65
Dieldrin	0.00	7.98	8.12
Endosulfan I	0.00	7.66	7.80
Endosulfan II	0.00	8.59	8.73
Endosulfan sulfate	0.00	9.29	9.43
gamma-BHC (Lindane)	0.00	3.62	3.72
gamma-Chlordane	0.00	7.38	7.52
Heptachlor	0.00	4.76	4.86
Heptachlor epoxide	0.00	7.08	7.22
Methoxychlor	0.00	9.50	9.64
4,4'-DDE	7.82	7.75	7.89
Endrin	8.41	8.34	8.48
4,4'-DDD	8.50	8.43	8.57
4,4'-DDT	8.88	8.81	8.95
Endrin aldehyde	9.06	8.99	9.13
Endrin ketone	9.80	9.73	9.87
DCB Decachlorobiphenyl	0.00	10.65	10.85
Tetrachloro-m-xylene	0.00	2.54	2.64

Data File: xf125375.d
 Report Date: 13-Oct-2011 06:16

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-12-11/12oct11a.b/xf125375.d
 Lab Smp Id: SGPESTL3_00010
 Inj Date : 12-OCT-2011 12:05
 Operator :
 Smp Info : SGPESTL3_00010
 Misc Info :
 Comment :
 Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-12-11/12oct11a.b/09Xf8081.m
 Meth Date : 13-Oct-2011 06:16 ferdie
 Cal Date : 05-OCT-2011 09:25
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3

Inst ID: PESTGC1.i
 Quant Type: ESTD
 Cal File: xf125059.d
 Continuing Calibration Sample
 Compound Sublist: SCpestRANGE.sub
 Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL -AMT		ON -COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
8 4,4'-DDE					CAS #: 72-55-9			
7.820	7.820	0.000	297765	100.000	96	80.00-	120.00	100.00

14 Endrin					CAS #: 72-20-8			
8.413	8.413	0.000	249197	100.000	93	80.00-	120.00	100.00

7 4,4'-DDD					CAS #: 72-54-8			
8.500	8.500	0.000	252821	100.000	95	80.00-	120.00	100.00

9 4,4'-DDT					CAS #: 50-29-3			
8.880	8.880	0.000	223733	100.000	88	80.00-	120.00	100.00

15 Endrin aldehyde					CAS #: 7421-93-4			
9.063	9.063	0.000	212618	100.000	94	80.00-	120.00	100.00

Data File: xf125375.d
Report Date: 13-Oct-2011 06:16

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
16 Endrin ketone			CAS #: 53494-70-5				
9.800	9.800	0.000	233174	100.000	94	80.00- 120.00	100.00

Data File: xf125375.d

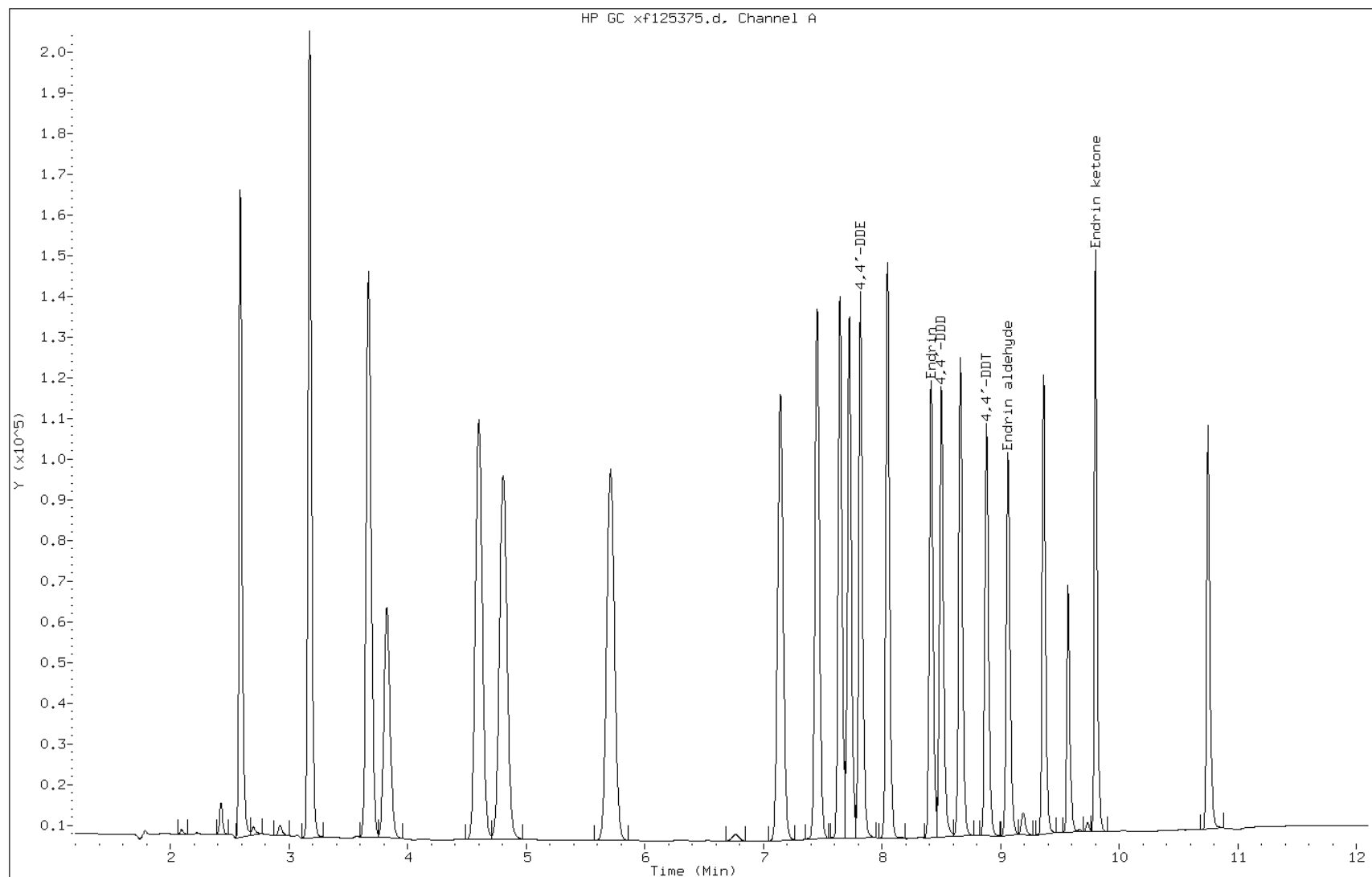
Date: 12-OCT-2011 12:05

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL3_00010

Operator:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCV 460-89301/25 Calibration Date: 10/12/2011 12:05
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xr125375.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	7842	7898		101	100	0.7	15.0
gamma-BHC (Lindane)	Ave	6515	6169		94.7	100	-5.3	15.0
beta-BHC	Ave	3723	3792		102	100	1.9	15.0
delta-BHC	Ave	6959	7004		101	100	0.7	15.0
Heptachlor	Ave	7103	7131		100	100	0.4	15.0
Aldrin	Ave	6762	6986		103	100	3.3	15.0
Heptachlor epoxide	Ave	7033	7084		101	100	0.7	15.0
gamma-Chlordane	Ave	7201	7129		99.0	100	-1.0	15.0
alpha-Chlordane	Ave	6937	6908		99.6	100	-0.4	15.0
4,4'-DDE	Ave	6225	6178		99.3	100	-0.7	15.0
Endosulfan I	Ave	6749	6898		102	100	2.2	15.0
Dieldrin	Ave	6734	6754		100	100	0.3	15.0
Endrin	Ave	5800	5744		99.0	100	-1.0	15.0
4,4'-DDD	Ave	5320	5365		101	100	0.8	15.0
Endosulfan II	Ave	5972	5936		99.4	100	-0.6	15.0
4,4'-DDT	Ave	5616	5310		94.5	100	-5.5	15.0
Endrin aldehyde	Ave	4604	4492		97.6	100	-2.4	15.0
Methoxychlor	Ave	2853	2676		93.8	100	-6.2	15.0
Endosulfan sulfate	Ave	4679	4360		93.2	100	-6.8	15.0
Endrin ketone	Ave	5382	5266		97.9	100	-2.1	15.0
Tetrachloro-m-xylene	Ave	5854	5520		94.3	100	-5.7	15.0
DCB Decachlorobiphenyl	Ave	4491	4365		97.2	100	-2.8	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCV 460-89301/25 Calibration Date: 10/12/2011 12:05
 Instrument ID: PESTGC1 Calib Start Date: 10/05/2011 08:02
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 10/05/2011 08:57
 Lab File ID: xr125375.d

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.31	2.26	2.36
gamma-BHC (Lindane)	2.53	2.48	2.58
beta-BHC	2.59	2.54	2.64
delta-BHC	2.72	2.67	2.77
Heptachlor	2.89	2.84	2.94
Aldrin	3.15	3.10	3.20
Heptachlor epoxide	4.01	3.94	4.08
gamma-Chlordane	4.30	4.23	4.37
alpha-Chlordane	4.61	4.54	4.68
4,4'-DDE	4.82	4.75	4.89
Endosulfan I	4.93	4.86	5.00
Dieldrin	5.52	5.45	5.59
Endrin	6.12	6.05	6.19
4,4'-DDD	6.31	6.24	6.38
Endosulfan II	6.65	6.58	6.72
4,4'-DDT	6.96	6.89	7.03
Endrin aldehyde	7.43	7.36	7.50
Methoxychlor	7.69	7.62	7.76
Endosulfan sulfate	7.93	7.86	8.00
Endrin ketone	8.24	8.17	8.31
Tetrachloro-m-xylene	1.92	1.87	1.97
DCB Decachlorobiphenyl	9.38	9.28	9.48

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-12-11/12oct11a.b/xr125375.d
Lab Smp Id: SGPESTL3_00010
Inj Date : 12-OCT-2011 12:05
Operator :
Smp Info : SGPESTL3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-12-11/12oct11a.b/09Xr8081.m
Meth Date : 12-Oct-2011 13:00 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xr125059.d
Continuing Calibration Sample
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
\$ 28 Tetrachloro-m-xylene(surr)									
CAS #: 877-09-8									
1.923	1.923	0.000	552007	100.000	94	80.00- 120.00	100.00		

2 alpha-BHC									
CAS #: 319-84-6									
2.310	2.310	0.000	789824	100.000	100	80.00- 120.00	100.00		

5 gamma-BHC (Lindane)									
CAS #: 58-89-9									
2.533	2.533	0.000	616939	100.000	95	80.00- 120.00	100.00		

3 beta-BHC									
CAS #: 319-85-7									
2.593	2.593	0.000	379234	100.000	100	80.00- 120.00	100.00		

4 delta-BHC									
CAS #: 319-86-8									
2.723	2.723	0.000	700446	100.000	100	80.00- 120.00	100.00		

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
2.890	2.890	0.000	713116	100.000	100	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
3.153	3.153	0.000	698555	100.000	100	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
4.010	4.010	0.000	708379	100.000	100	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
4.303	4.303	0.000	712912	100.000	99	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
4.613	4.613	0.000	690830	100.000	100	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
4.823	4.823	0.000	617803	100.000	99	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
4.930	4.930	0.000	689793	100.000	100	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
5.523	5.523	0.000	675438	100.000	100	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
6.117	6.117	0.000	574391	100.000	99	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
6.313	6.313	0.000	536487	100.000	100	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
6.650	6.650	0.000	593623	100.000	99	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
6.963	6.963	0.000	530984	100.000	94	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
7.427	7.427	0.000	449180	100.000	98	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
7.687	7.687	0.000	267559	100.000	94	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
7.930	7.930	0.000	435969	100.000	93	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
8.243	8.243	0.000	526633	100.000	98	80.00-	120.00	100.00

Data File: xr125375.d
Report Date: 13-Oct-2011 06:16

Page 3

		AMOUNTS									
		CAL-AMT		ON-COL							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO					
==	=====	=====	=====	=====	=====	=====					
\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3						
9.377	9.377	0.000	436524	100.000	97 80.00- 120.00	100.00					

Data File: xr125375.d

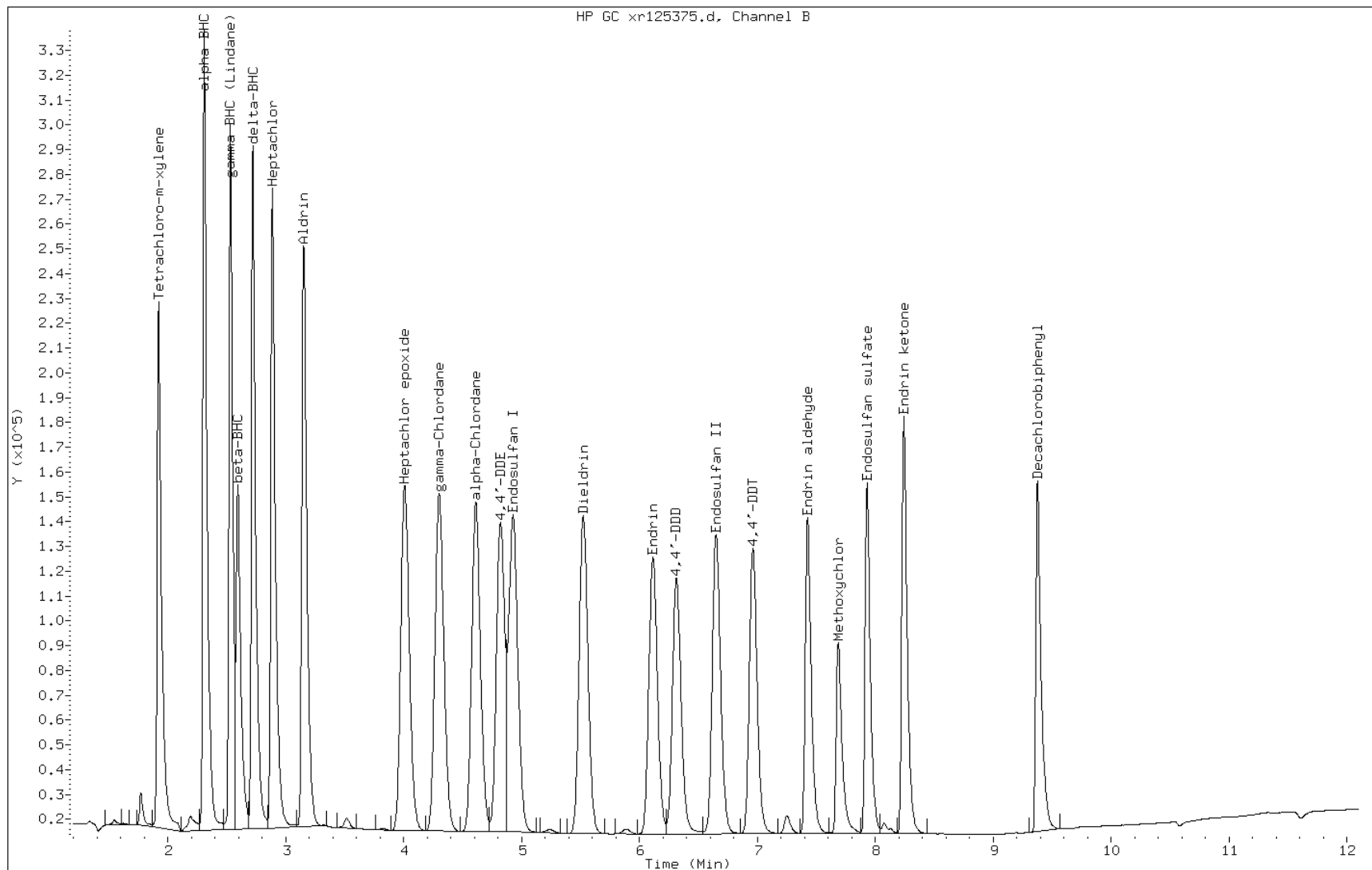
Date: 12-OCT-2011 12:05

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPESTL3_00010

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-88637/1-A
 Matrix: Solid Lab File ID: xf125291.d
 Analysis Method: 8081A Date Collected: _____
 Extraction Method: 3541 Date Extracted: 10/07/2011 03:03
 Sample wt/vol: 15.00(g) Date Analyzed: 10/11/2011 16:00
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	6.7	U	6.7	1.2
319-85-7	beta-BHC	6.7	U	6.7	0.91
319-86-8	delta-BHC	6.7	U	6.7	1.0
58-89-9	gamma-BHC (Lindane)	6.7	U	6.7	0.78
76-44-8	Heptachlor	6.7	U	6.7	0.96
309-00-2	Aldrin	6.7	U	6.7	1.5
1024-57-3	Heptachlor epoxide	6.7	U	6.7	1.4
959-98-8	Endosulfan I	6.7	U	6.7	1.4
60-57-1	Dieldrin	6.7	U	6.7	1.3
72-55-9	4,4'-DDE	6.7	U	6.7	1.3
72-20-8	Endrin	6.7	U	6.7	0.94
33213-65-9	Endosulfan II	6.7	U	6.7	1.0
72-54-8	4,4'-DDD	6.7	U	6.7	0.80
1031-07-8	Endosulfan sulfate	6.7	U	6.7	0.86
50-29-3	4,4'-DDT	6.7	U	6.7	0.84
72-43-5	Methoxychlor	6.7	U	6.7	0.75
53494-70-5	Endrin ketone	6.7	U	6.7	0.99
7421-93-4	Endrin aldehyde	6.7	U	6.7	1.7
5103-71-9	alpha-Chlordane	6.7	U	6.7	1.4
5103-74-2	gamma-Chlordane	6.7	U	6.7	1.4
8001-35-2	Toxaphene	67	U	67	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	137		53-150
877-09-8	Tetrachloro-m-xylene	84		40-150

Data File: xf125291.d
Report Date: 12-Oct-2011 08:01

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/xf125291.d
Lab Smp Id: mb 460-88637/1-a
Inj Date : 11-OCT-2011 16:00
Operator :
Smp Info : mb 460-88637/1-a
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/09Xf8081.m
Meth Date : 12-Oct-2011 06:05 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125059.d
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
2.597	2.597	0.000	128756	41.7580	28	80.00- 120.00	100.00		

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
10.750	10.750	0.000	141356	68.3125	46	80.00- 120.00	100.00		

Data File: xf125291.d

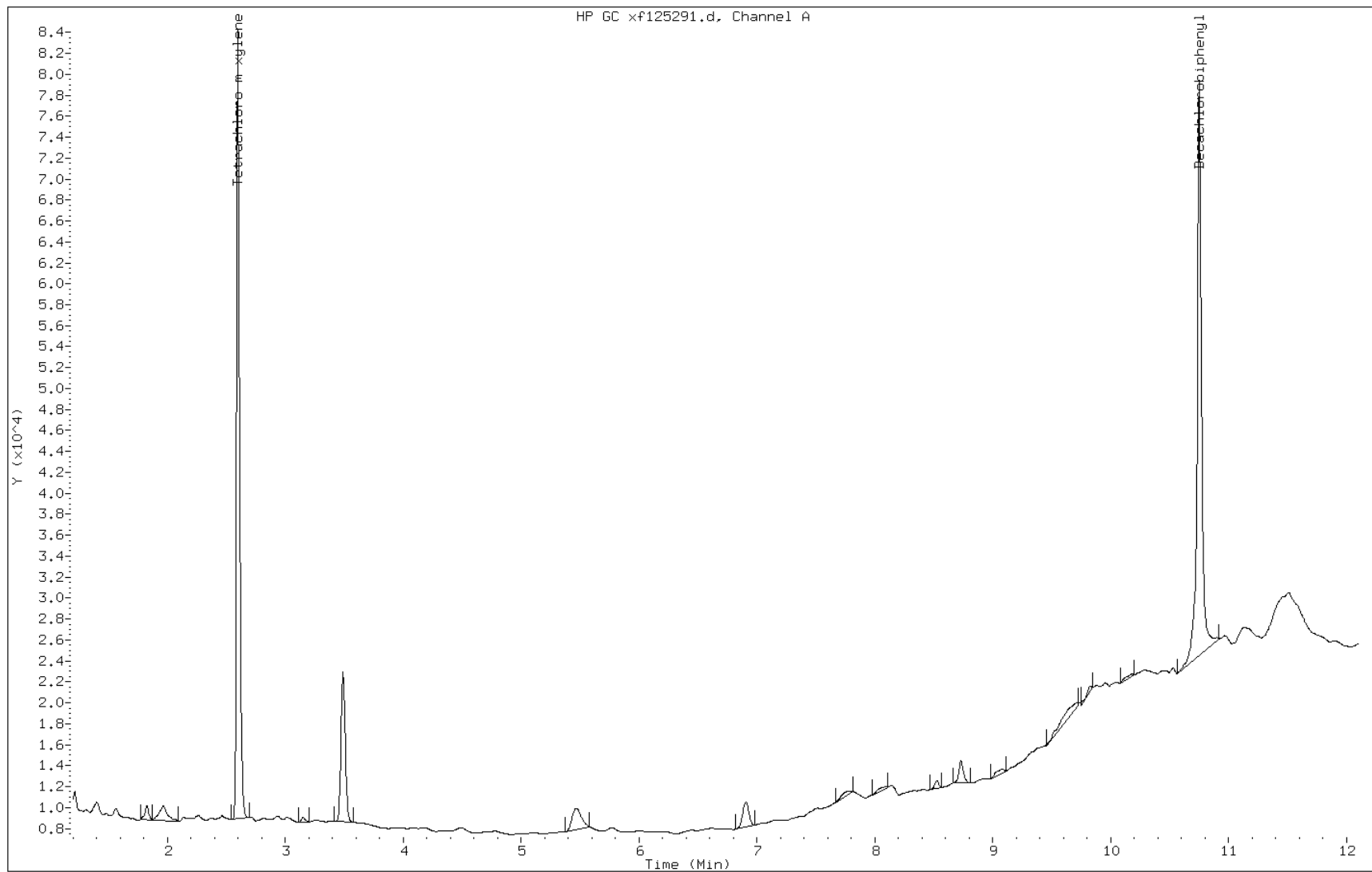
Date: 11-OCT-2011 16:00

Client ID:

Instrument: PESTGC1.i

Sample Info: mb 460-88637/1-a

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-88637/1-A
 Matrix: Solid Lab File ID: xr125291.d
 Analysis Method: 8081A Date Collected: _____
 Extraction Method: 3541 Date Extracted: 10/07/2011 03:03
 Sample wt/vol: 15.00(g) Date Analyzed: 10/11/2011 16:00
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	6.7	U	6.7	1.2
319-85-7	beta-BHC	6.7	U	6.7	0.91
319-86-8	delta-BHC	6.7	U	6.7	1.0
58-89-9	gamma-BHC (Lindane)	6.7	U	6.7	0.78
76-44-8	Heptachlor	6.7	U	6.7	0.96
309-00-2	Aldrin	6.7	U	6.7	1.5
1024-57-3	Heptachlor epoxide	6.7	U	6.7	1.4
959-98-8	Endosulfan I	6.7	U	6.7	1.4
60-57-1	Dieldrin	6.7	U	6.7	1.3
72-55-9	4,4'-DDE	6.7	U	6.7	1.3
72-20-8	Endrin	6.7	U	6.7	0.94
33213-65-9	Endosulfan II	6.7	U	6.7	1.0
72-54-8	4,4'-DDD	6.7	U	6.7	0.80
1031-07-8	Endosulfan sulfate	6.7	U	6.7	0.86
50-29-3	4,4'-DDT	6.7	U	6.7	0.84
72-43-5	Methoxychlor	6.7	U	6.7	0.75
53494-70-5	Endrin ketone	6.7	U	6.7	0.99
7421-93-4	Endrin aldehyde	6.7	U	6.7	1.7
5103-71-9	alpha-Chlordane	6.7	U	6.7	1.4
5103-74-2	gamma-Chlordane	6.7	U	6.7	1.4
8001-35-2	Toxaphene	67	U	67	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		53-150
877-09-8	Tetrachloro-m-xylene	86		40-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/xr125291.d
Lab Smp Id: mb 460-88637/1-a
Inj Date : 11-OCT-2011 16:00
Operator :
Smp Info : mb 460-88637/1-a
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/09Xr8081.m
Meth Date : 12-Oct-2011 06:03 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xr125059.d
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS							
		ON-COL	FINAL						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====			
\$ 28 Tetrachloro-m-xylene			CAS #: 877-09-8						
1.930	1.927	0.003	251448	42.9542	29	80.00-	120.00	100.00	
\$ 30 Decachlorobiphenyl			CAS #: 2051-24-3						
9.377	9.377	0.000	234093	52.1251	35	80.00-	120.00	100.00	

Data File: xr125291.d

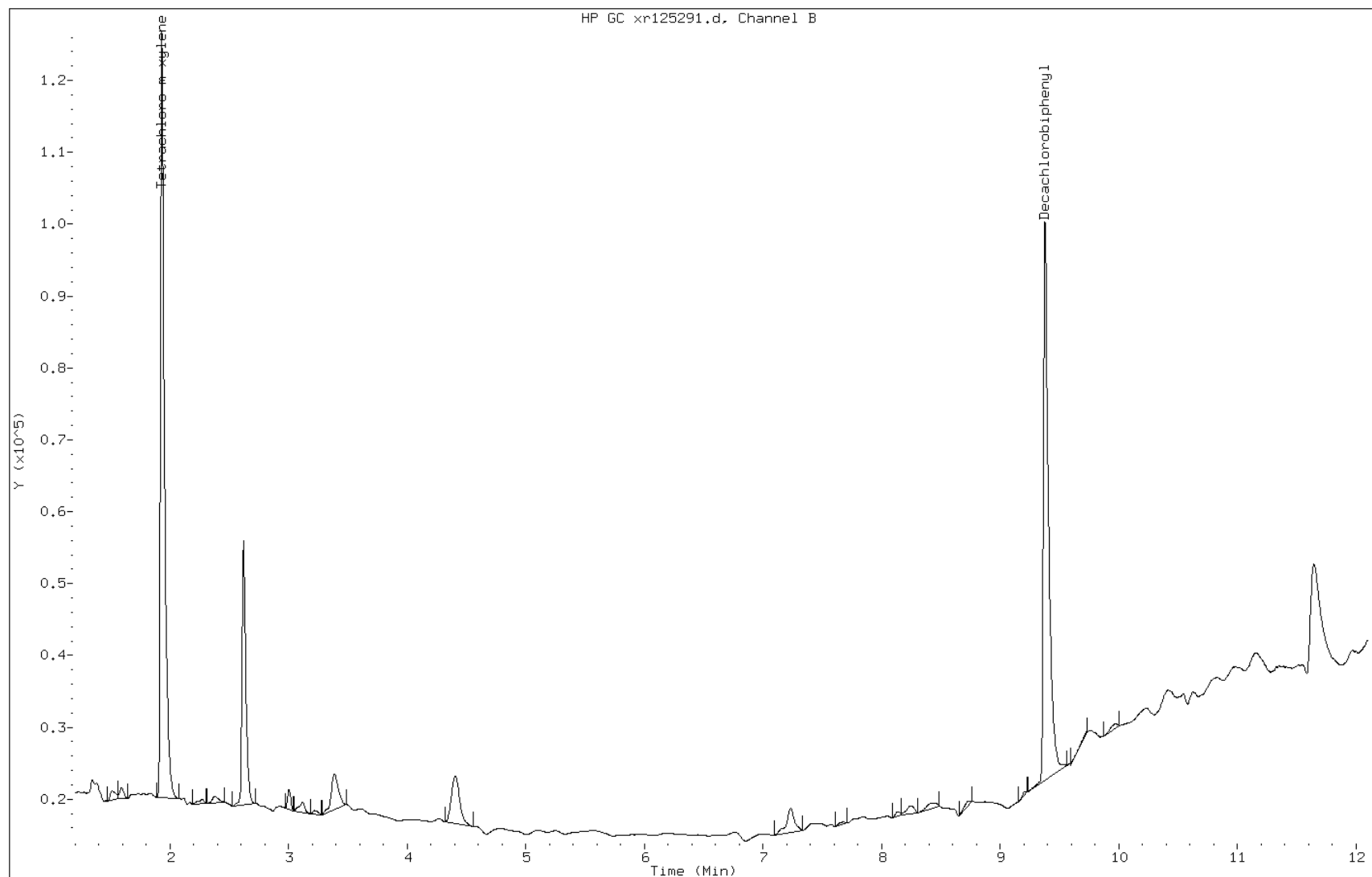
Date: 11-OCT-2011 16:00

Client ID:

Instrument: PESTGC1.i

Sample Info: mb 460-88637/1-a

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: PIBLK 460-89072/1
 Matrix: Solid Lab File ID: xf125268.d
 Analysis Method: 8081A Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: _____ Date Analyzed: 10/11/2011 10:31
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89072 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.050	U	0.050	0.010
319-85-7	beta-BHC	0.050	U	0.050	0.011
319-86-8	delta-BHC	0.050	U	0.050	0.0090
58-89-9	gamma-BHC (Lindane)	0.050	U	0.050	0.012
76-44-8	Heptachlor	0.050	U	0.050	0.010
309-00-2	Aldrin	0.050	U	0.050	0.010
1024-57-3	Heptachlor epoxide	0.050	U	0.050	0.010
959-98-8	Endosulfan I	0.050	U	0.050	0.0090
60-57-1	Dieldrin	0.050	U	0.050	0.0050
72-55-9	4,4'-DDE	0.050	U	0.050	0.0090
72-20-8	Endrin	0.050	U	0.050	0.010
33213-65-9	Endosulfan II	0.050	U	0.050	0.010
72-54-8	4,4'-DDD	0.050	U	0.050	0.011
1031-07-8	Endosulfan sulfate	0.050	U	0.050	0.016
50-29-3	4,4'-DDT	0.050	U	0.050	0.010
72-43-5	Methoxychlor	0.050	U	0.050	0.013
53494-70-5	Endrin ketone	0.050	U	0.050	0.011
7421-93-4	Endrin aldehyde	0.050	U	0.050	0.0090
5103-71-9	alpha-Chlordane	0.050	U	0.050	0.0080
5103-74-2	gamma-Chlordane	0.050	U	0.050	0.0090
8001-35-2	Toxaphene	0.50	U	0.50	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	268	X	53-150
877-09-8	Tetrachloro-m-xylene	114		40-150

Data File: xf125268.d
Report Date: 12-Oct-2011 06:04

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/xf125268.d
Lab Smp Id: SGPIBLK_00008
Inj Date : 11-OCT-2011 10:31
Operator :
Smp Info : SGPIBLK_00008
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/09Xf8081.m
Meth Date : 12-Oct-2011 05:55 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125059.d
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
2.593	2.597	-0.004	70147	22.7500	15	80.00- 120.00	100.00		

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
10.750	10.750	0.000	110790	53.5406	36	80.00- 120.00	100.00		

Data File: xf125268.d

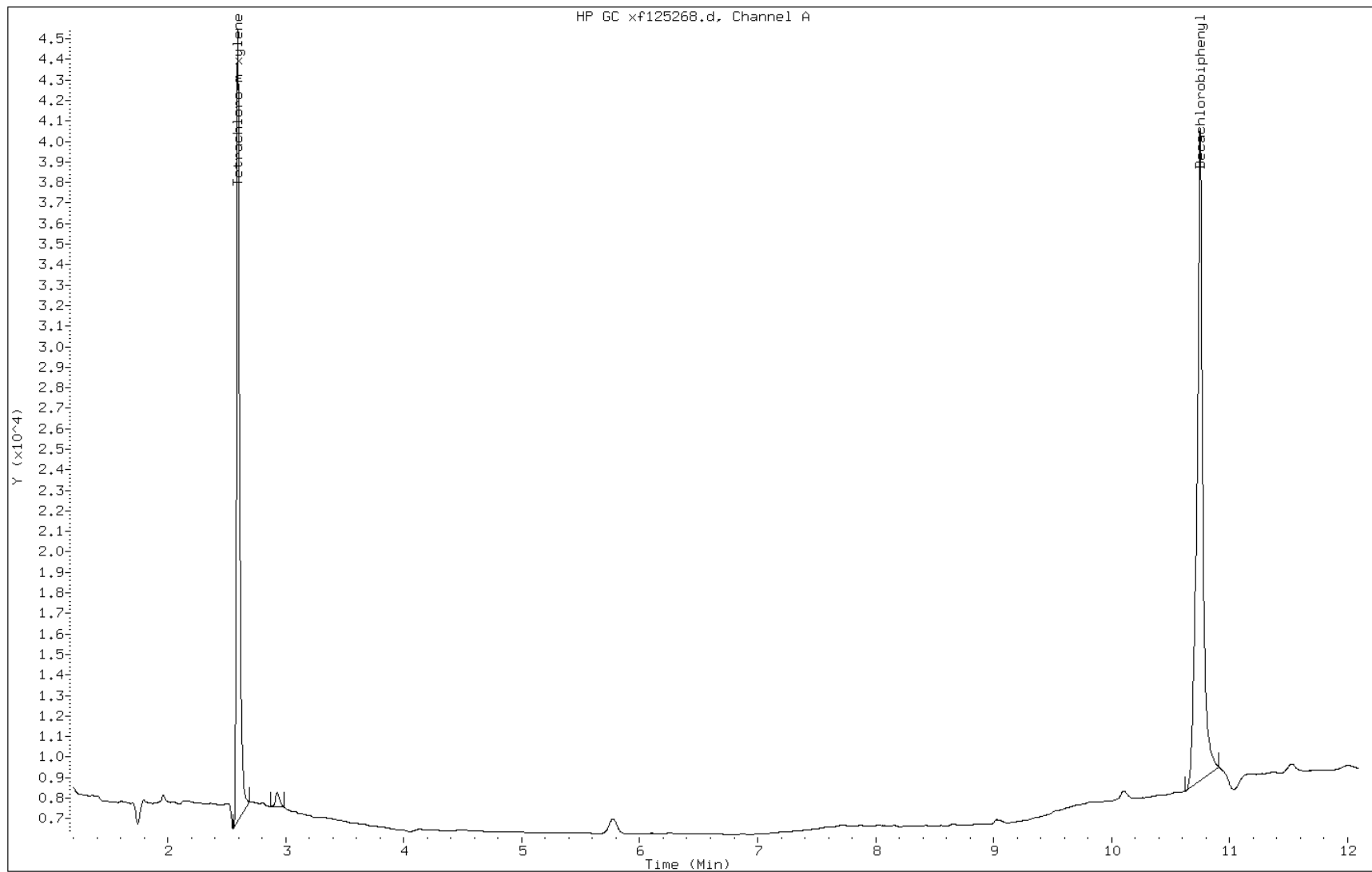
Date: 11-OCT-2011 10:31

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPIBLK_00008

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: PIBLK 460-89072/1
 Matrix: Solid Lab File ID: xr125268.d
 Analysis Method: 8081A Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: _____ Date Analyzed: 10/11/2011 10:31
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89072 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.050	U	0.050	0.010
319-85-7	beta-BHC	0.050	U	0.050	0.011
319-86-8	delta-BHC	0.050	U	0.050	0.0090
58-89-9	gamma-BHC (Lindane)	0.050	U	0.050	0.012
76-44-8	Heptachlor	0.050	U	0.050	0.010
309-00-2	Aldrin	0.050	U	0.050	0.010
1024-57-3	Heptachlor epoxide	0.050	U	0.050	0.010
959-98-8	Endosulfan I	0.050	U	0.050	0.0090
60-57-1	Dieldrin	0.050	U	0.050	0.0050
72-55-9	4,4'-DDE	0.050	U	0.050	0.0090
72-20-8	Endrin	0.050	U	0.050	0.010
33213-65-9	Endosulfan II	0.050	U	0.050	0.010
72-54-8	4,4'-DDD	0.050	U	0.050	0.011
1031-07-8	Endosulfan sulfate	0.050	U	0.050	0.016
50-29-3	4,4'-DDT	0.050	U	0.050	0.010
72-43-5	Methoxychlor	0.050	U	0.050	0.013
53494-70-5	Endrin ketone	0.050	U	0.050	0.011
7421-93-4	Endrin aldehyde	0.050	U	0.050	0.0090
5103-71-9	alpha-Chlordane	0.050	U	0.050	0.0080
5103-74-2	gamma-Chlordane	0.050	U	0.050	0.0090
8001-35-2	Toxaphene	0.50	U	0.50	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	120		53-150
877-09-8	Tetrachloro-m-xylene	108		40-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/xr125268.d
Lab Smp Id: SGPIBLK_00008
Inj Date : 11-OCT-2011 10:31
Operator :
Smp Info : SGPIBLK_00008
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/09Xr8081.m
Meth Date : 12-Oct-2011 06:03 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC1.i
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28	Tetrachloro-m-xylene						CAS #: 877-09-8		
1.927	1.927	0.000	126485	21.6070	14	80.00- 120.00	100.00		
\$ 30	Decachlorobiphenyl						CAS #: 2051-24-3		
9.377	9.377	0.000	107478	23.9319	16	80.00- 120.00	100.00(R)		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: xr125268.d

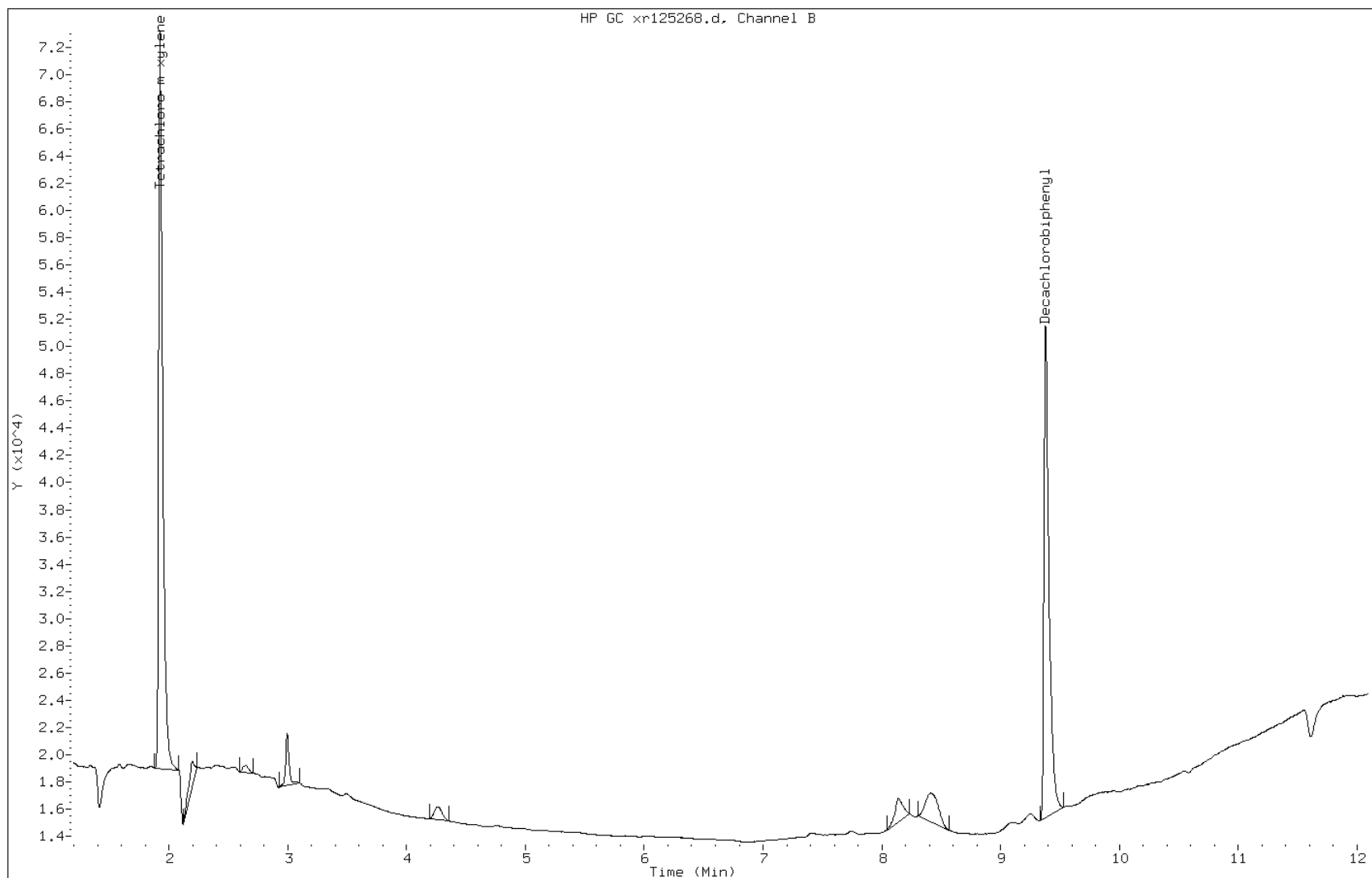
Date: 11-OCT-2011 10:31

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPIBLK_00008

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: PIBLK 460-89072/25
 Matrix: Solid Lab File ID: xf125292.d
 Analysis Method: 8081A Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: _____ Date Analyzed: 10/11/2011 16:14
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89072 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.050	U	0.050	0.010
319-85-7	beta-BHC	0.050	U	0.050	0.011
319-86-8	delta-BHC	0.050	U	0.050	0.0090
58-89-9	gamma-BHC (Lindane)	0.050	U	0.050	0.012
76-44-8	Heptachlor	0.050	U	0.050	0.010
309-00-2	Aldrin	0.050	U	0.050	0.010
1024-57-3	Heptachlor epoxide	0.050	U	0.050	0.010
959-98-8	Endosulfan I	0.050	U	0.050	0.0090
60-57-1	Dieldrin	0.050	U	0.050	0.0050
72-55-9	4,4'-DDE	0.050	U	0.050	0.0090
72-20-8	Endrin	0.050	U	0.050	0.010
33213-65-9	Endosulfan II	0.050	U	0.050	0.010
72-54-8	4,4'-DDD	0.050	U	0.050	0.011
1031-07-8	Endosulfan sulfate	0.050	U	0.050	0.016
50-29-3	4,4'-DDT	0.050	U	0.050	0.010
72-43-5	Methoxychlor	0.050	U	0.050	0.013
53494-70-5	Endrin ketone	0.050	U	0.050	0.011
7421-93-4	Endrin aldehyde	0.050	U	0.050	0.0090
5103-71-9	alpha-Chlordane	0.050	U	0.050	0.0080
5103-74-2	gamma-Chlordane	0.050	U	0.050	0.0090
8001-35-2	Toxaphene	0.50	U	0.50	0.20

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

Data File: xf125292.d
Report Date: 12-Oct-2011 08:01

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/xf125292.d
Lab Smp Id: PIBLK_00008
Inj Date : 11-OCT-2011 16:14
Operator :
Smp Info : SGPIBLK_00008
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/09Xf8081.m
Meth Date : 12-Oct-2011 06:05 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125059.d
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene					CAS #: 877-09-8				
2.597	2.597	0.000	71727	23.2625	16	80.00- 120.00	100.00		

\$ 30 Decachlorobiphenyl					CAS #: 2051-24-3				
10.750	10.750	0.000	74819	36.1573	24	80.00- 120.00	100.00		

Data File: xf125292.d

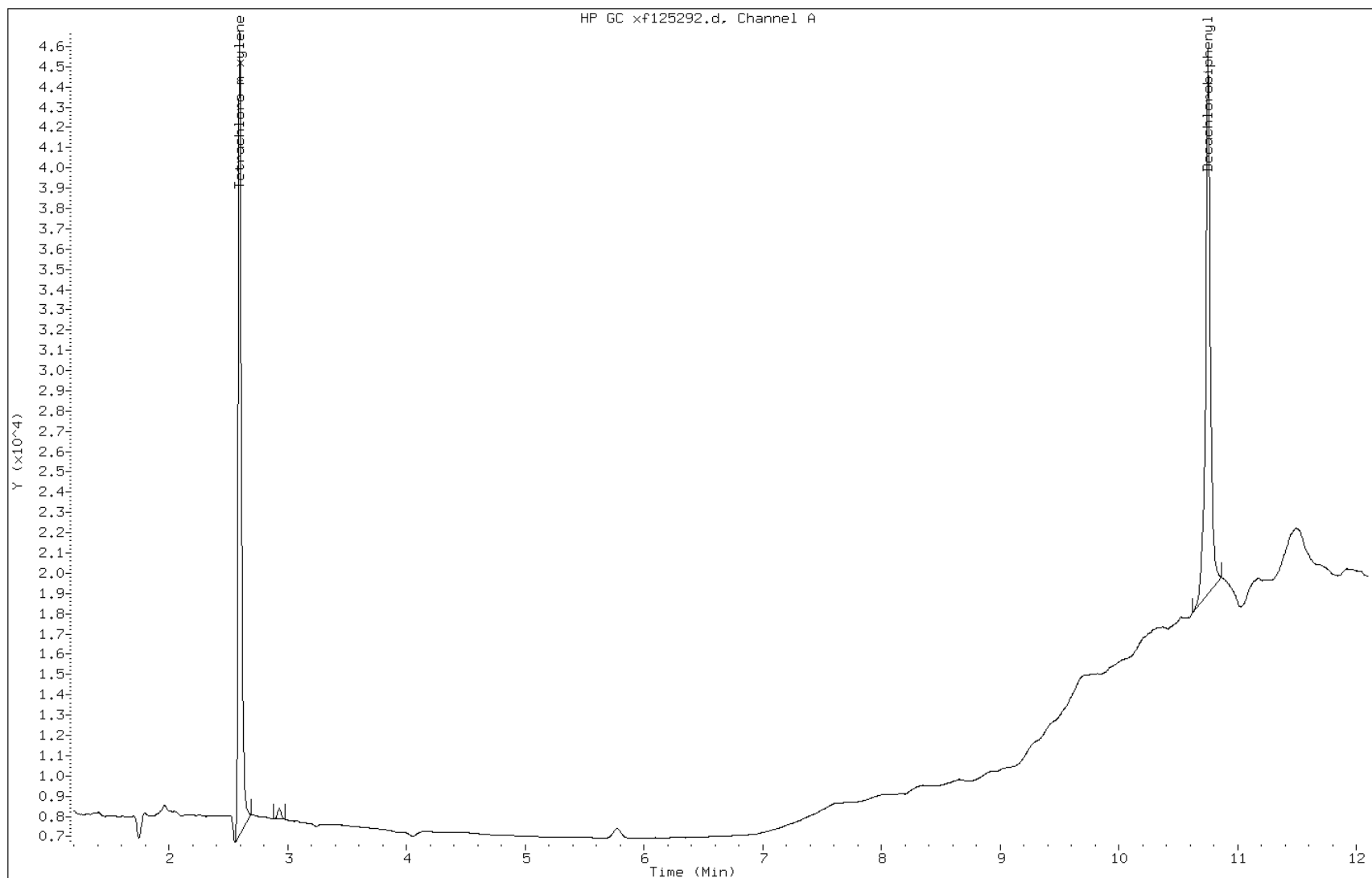
Date: 11-OCT-2011 16:14

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPIBLK_00008

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: PIBLK 460-89072/25
 Matrix: Solid Lab File ID: xr125292.d
 Analysis Method: 8081A Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: _____ Date Analyzed: 10/11/2011 16:14
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89072 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.050	U	0.050	0.010
319-85-7	beta-BHC	0.050	U	0.050	0.011
319-86-8	delta-BHC	0.050	U	0.050	0.0090
58-89-9	gamma-BHC (Lindane)	0.050	U	0.050	0.012
76-44-8	Heptachlor	0.050	U	0.050	0.010
309-00-2	Aldrin	0.050	U	0.050	0.010
1024-57-3	Heptachlor epoxide	0.050	U	0.050	0.010
959-98-8	Endosulfan I	0.050	U	0.050	0.0090
60-57-1	Dieldrin	0.050	U	0.050	0.0050
72-55-9	4,4'-DDE	0.050	U	0.050	0.0090
72-20-8	Endrin	0.050	U	0.050	0.010
33213-65-9	Endosulfan II	0.050	U	0.050	0.010
72-54-8	4,4'-DDD	0.050	U	0.050	0.011
1031-07-8	Endosulfan sulfate	0.050	U	0.050	0.016
50-29-3	4,4'-DDT	0.050	U	0.050	0.010
72-43-5	Methoxychlor	0.050	U	0.050	0.013
53494-70-5	Endrin ketone	0.050	U	0.050	0.011
7421-93-4	Endrin aldehyde	0.050	U	0.050	0.0090
5103-71-9	alpha-Chlordane	0.050	U	0.050	0.0080
5103-74-2	gamma-Chlordane	0.050	U	0.050	0.0090
8001-35-2	Toxaphene	0.50	U	0.50	0.20

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

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/xr125292.d
Lab Smp Id: PIBLK_00008
Inj Date : 11-OCT-2011 16:14
Operator :
Smp Info : SGPIBLK_00008
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/09Xr8081.m
Meth Date : 12-Oct-2011 06:03 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i

Compound Sublist: Allpest.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS							
		ON-COL	FINAL						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====			
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
1.927	1.927	0.000	135229	23.1009	15	80.00-	120.00	100.00	

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
9.380	9.377	0.003	108947	24.2590	16	80.00-	120.00	100.00(R)	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: xr125292.d

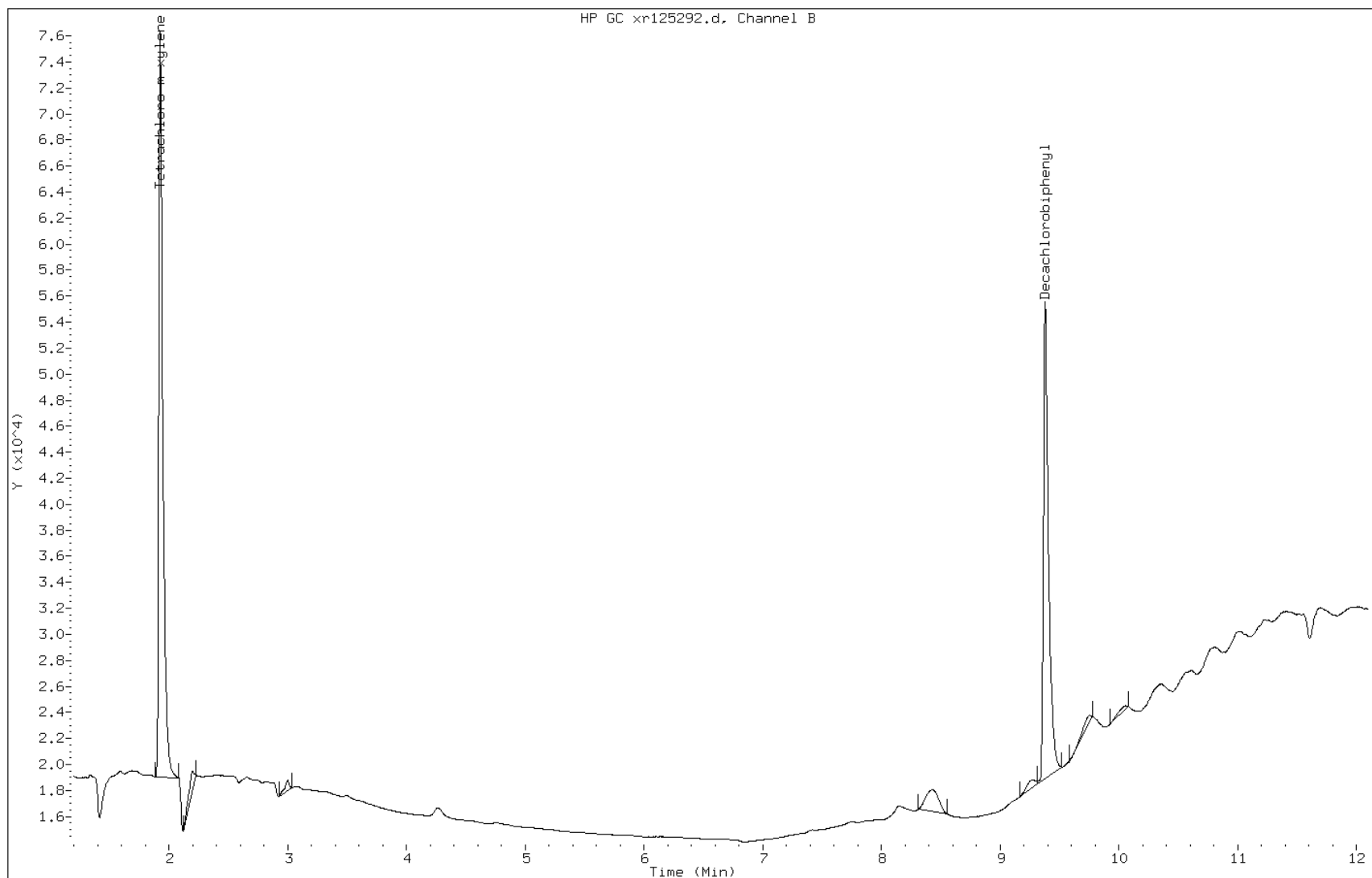
Date: 11-OCT-2011 16:14

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPIBLK_00008

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: PIBLK 460-89301/2

Matrix: Solid Lab File ID: xf125352.d

Analysis Method: 8081A Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: _____ Date Analyzed: 10/12/2011 06:43

Con. Extract Vol.: _____ Dilution Factor: 1

Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)

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

Analysis Batch No.: 89301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.050	U	0.050	0.010
319-85-7	beta-BHC	0.050	U	0.050	0.011
319-86-8	delta-BHC	0.050	U	0.050	0.0090
58-89-9	gamma-BHC (Lindane)	0.050	U	0.050	0.012
76-44-8	Heptachlor	0.050	U	0.050	0.010
309-00-2	Aldrin	0.050	U	0.050	0.010
1024-57-3	Heptachlor epoxide	0.050	U	0.050	0.010
959-98-8	Endosulfan I	0.050	U	0.050	0.0090
60-57-1	Dieldrin	0.050	U	0.050	0.0050
72-55-9	4,4'-DDE	0.050	U	0.050	0.0090
72-20-8	Endrin	0.050	U	0.050	0.010
33213-65-9	Endosulfan II	0.050	U	0.050	0.010
72-54-8	4,4'-DDD	0.050	U	0.050	0.011
1031-07-8	Endosulfan sulfate	0.050	U	0.050	0.016
50-29-3	4,4'-DDT	0.050	U	0.050	0.010
72-43-5	Methoxychlor	0.050	U	0.050	0.013
53494-70-5	Endrin ketone	0.050	U	0.050	0.011
7421-93-4	Endrin aldehyde	0.050	U	0.050	0.0090
5103-71-9	alpha-Chlordane	0.050	U	0.050	0.0080
5103-74-2	gamma-Chlordane	0.050	U	0.050	0.0090
8001-35-2	Toxaphene	0.50	U	0.50	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	116		53-150
877-09-8	Tetrachloro-m-xylene	112		40-150

Data File: xf125352.d
Report Date: 13-Oct-2011 06:15

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-12-11/12oct11a.b/xf125352.d
Lab Smp Id: SGPIBLK_00008
Inj Date : 12-OCT-2011 06:43
Operator :
Smp Info : SGPIBLK_00008
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-12-11/12oct11a.b/09Xf8081.m
Meth Date : 12-Oct-2011 13:03 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125059.d
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
2.593	2.590	0.003	69249	22.4587	15	80.00- 120.00	100.00		

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
10.750	10.750	0.000	47971	23.1826	15	80.00- 120.00	100.00(R)		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: xf125352.d

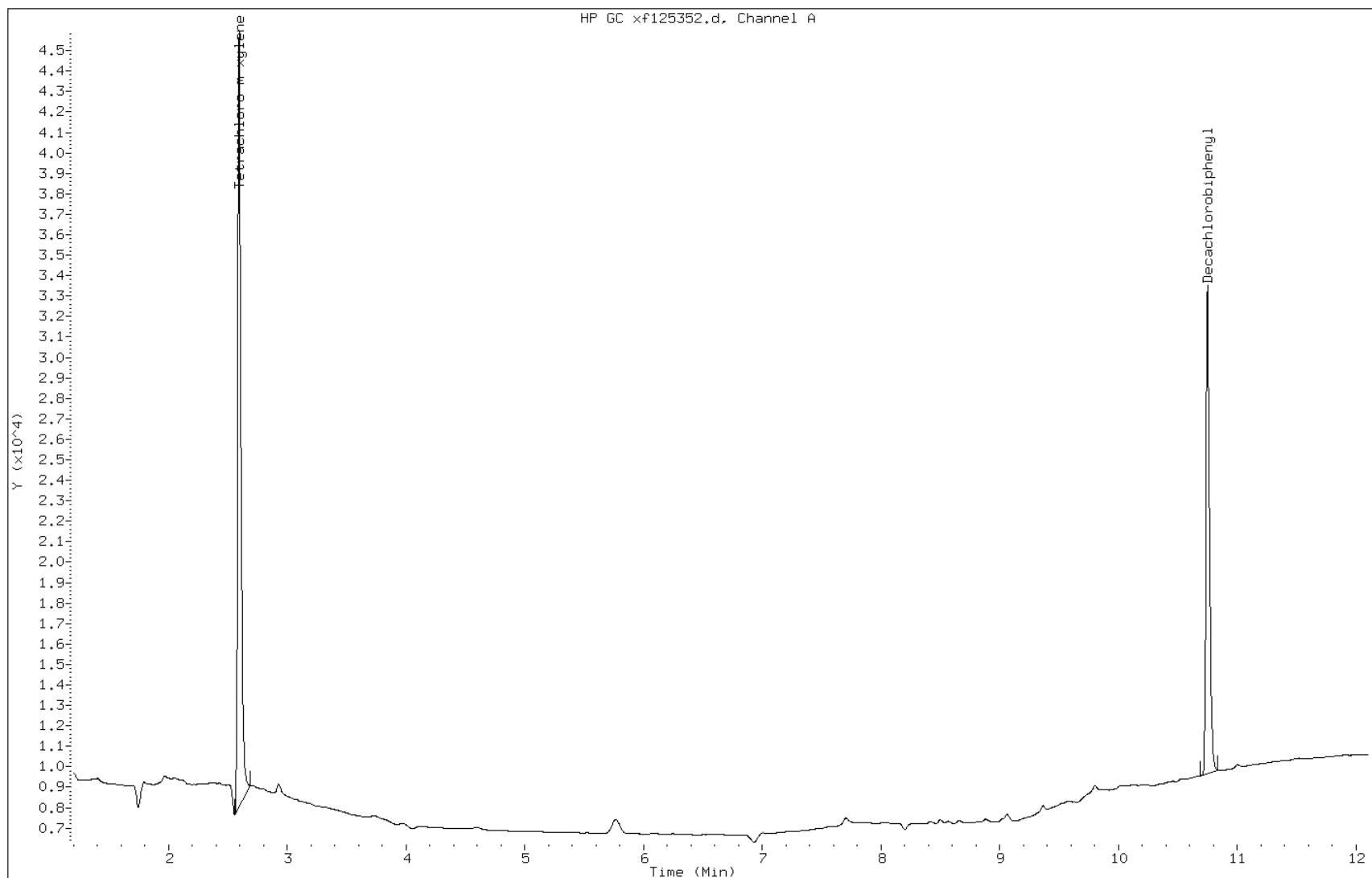
Date: 12-OCT-2011 06:43

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPIBLK_00008

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: PIBLK 460-89301/2

Matrix: Solid Lab File ID: xr125352.d

Analysis Method: 8081A Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: _____ Date Analyzed: 10/12/2011 06:43

Con. Extract Vol.: _____ Dilution Factor: 1

Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)

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

Analysis Batch No.: 89301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.050	U	0.050	0.010
319-85-7	beta-BHC	0.050	U	0.050	0.011
319-86-8	delta-BHC	0.050	U	0.050	0.0090
58-89-9	gamma-BHC (Lindane)	0.050	U	0.050	0.012
76-44-8	Heptachlor	0.050	U	0.050	0.010
309-00-2	Aldrin	0.050	U	0.050	0.010
1024-57-3	Heptachlor epoxide	0.050	U	0.050	0.010
959-98-8	Endosulfan I	0.050	U	0.050	0.0090
60-57-1	Dieldrin	0.050	U	0.050	0.0050
72-55-9	4,4'-DDE	0.050	U	0.050	0.0090
72-20-8	Endrin	0.050	U	0.050	0.010
33213-65-9	Endosulfan II	0.050	U	0.050	0.010
72-54-8	4,4'-DDD	0.050	U	0.050	0.011
1031-07-8	Endosulfan sulfate	0.050	U	0.050	0.016
50-29-3	4,4'-DDT	0.050	U	0.050	0.010
72-43-5	Methoxychlor	0.050	U	0.050	0.013
53494-70-5	Endrin ketone	0.050	U	0.050	0.011
7421-93-4	Endrin aldehyde	0.050	U	0.050	0.0090
5103-71-9	alpha-Chlordane	0.050	U	0.050	0.0080
5103-74-2	gamma-Chlordane	0.050	U	0.050	0.0090
8001-35-2	Toxaphene	0.50	U	0.50	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	120		53-150
877-09-8	Tetrachloro-m-xylene	105		40-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-12-11/12oct11a.b/xr125352.d
Lab Smp Id: SGPIBLK_00008
Inj Date : 12-OCT-2011 06:43
Operator :
Smp Info : SGPIBLK_00008
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-12-11/12oct11a.b/09Xr8081.m
Meth Date : 12-Oct-2011 13:00 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i

Compound Sublist: Allpest.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
1.923	1.923	0.000	122350	20.9006	14	80.00- 120.00	100.00		

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
9.377	9.377	0.000	107366	23.9069	16	80.00- 120.00	100.00(R)		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: xr125352.d

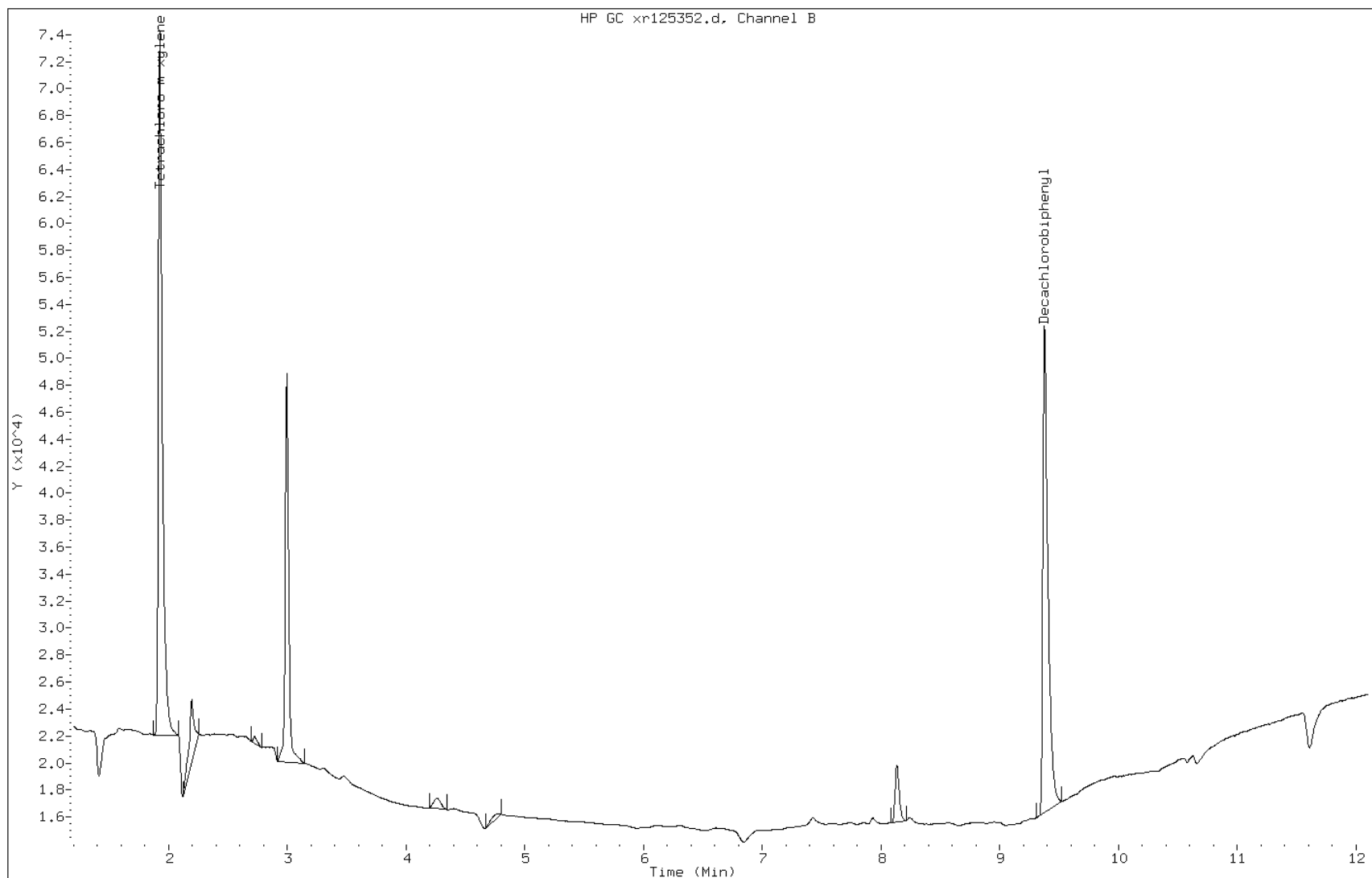
Date: 12-OCT-2011 06:43

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPIBLK_00008

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: PIBLK 460-89301/24
 Matrix: Solid Lab File ID: xf125374.d
 Analysis Method: 8081A Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: _____ Date Analyzed: 10/12/2011 11:51
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.050	U	0.050	0.010
319-85-7	beta-BHC	0.050	U	0.050	0.011
319-86-8	delta-BHC	0.050	U	0.050	0.0090
58-89-9	gamma-BHC (Lindane)	0.050	U	0.050	0.012
76-44-8	Heptachlor	0.050	U	0.050	0.010
309-00-2	Aldrin	0.050	U	0.050	0.010
1024-57-3	Heptachlor epoxide	0.050	U	0.050	0.010
959-98-8	Endosulfan I	0.050	U	0.050	0.0090
60-57-1	Dieldrin	0.050	U	0.050	0.0050
72-55-9	4,4'-DDE	0.050	U	0.050	0.0090
72-20-8	Endrin	0.050	U	0.050	0.010
33213-65-9	Endosulfan II	0.050	U	0.050	0.010
72-54-8	4,4'-DDD	0.050	U	0.050	0.011
1031-07-8	Endosulfan sulfate	0.050	U	0.050	0.016
50-29-3	4,4'-DDT	0.050	U	0.050	0.010
72-43-5	Methoxychlor	0.050	U	0.050	0.013
53494-70-5	Endrin ketone	0.050	U	0.050	0.011
7421-93-4	Endrin aldehyde	0.050	U	0.050	0.0090
5103-71-9	alpha-Chlordane	0.050	U	0.050	0.0080
5103-74-2	gamma-Chlordane	0.050	U	0.050	0.0090
8001-35-2	Toxaphene	0.50	U	0.50	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	197	X	53-150
877-09-8	Tetrachloro-m-xylene	117		40-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-12-11/12oct11a.b/xf125374.d
Lab Smp Id: SGPIBLK_00008
Inj Date : 12-OCT-2011 11:51
Operator :
Smp Info : SGPIBLK_00008
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-12-11/12oct11a.b/09Xf8081.m
Meth Date : 13-Oct-2011 06:16 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125059.d
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
2.590	2.590	0.000	72086	23.3790	16	80.00- 120.00	100.00		

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
10.750	10.750	0.000	81502	39.3869	26	80.00- 120.00	100.00		

Data File: xf125374.d

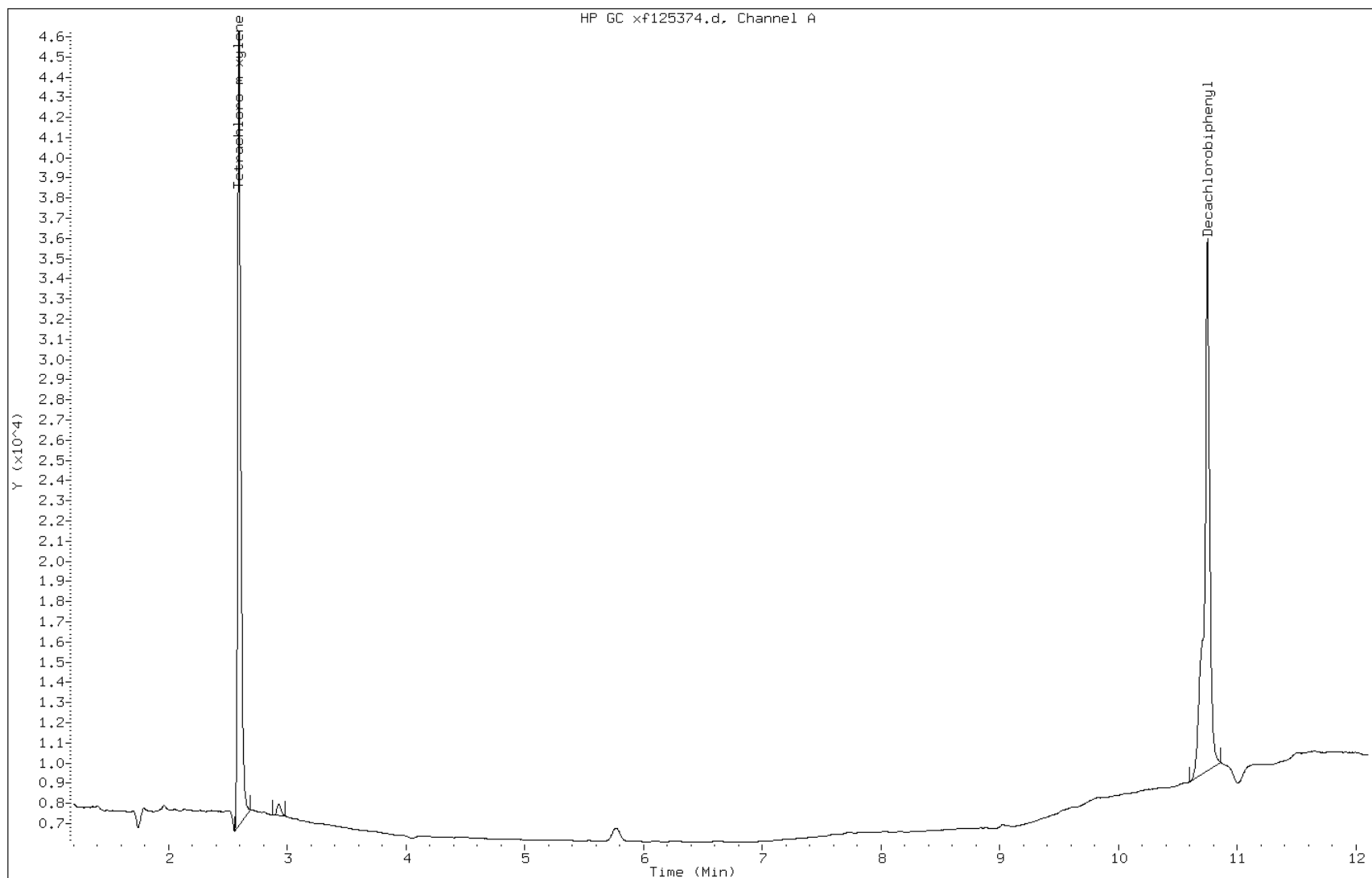
Date: 12-OCT-2011 11:51

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPIBLK_00008

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: PIBLK 460-89301/24
 Matrix: Solid Lab File ID: xr125374.d
 Analysis Method: 8081A Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: _____ Date Analyzed: 10/12/2011 11:51
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.050	U	0.050	0.010
319-85-7	beta-BHC	0.050	U	0.050	0.011
319-86-8	delta-BHC	0.050	U	0.050	0.0090
58-89-9	gamma-BHC (Lindane)	0.050	U	0.050	0.012
76-44-8	Heptachlor	0.050	U	0.050	0.010
309-00-2	Aldrin	0.050	U	0.050	0.010
1024-57-3	Heptachlor epoxide	0.050	U	0.050	0.010
959-98-8	Endosulfan I	0.050	U	0.050	0.0090
60-57-1	Dieldrin	0.050	U	0.050	0.0050
72-55-9	4,4'-DDE	0.050	U	0.050	0.0090
72-20-8	Endrin	0.050	U	0.050	0.010
33213-65-9	Endosulfan II	0.050	U	0.050	0.010
72-54-8	4,4'-DDD	0.050	U	0.050	0.011
1031-07-8	Endosulfan sulfate	0.050	U	0.050	0.016
50-29-3	4,4'-DDT	0.050	U	0.050	0.010
72-43-5	Methoxychlor	0.050	U	0.050	0.013
53494-70-5	Endrin ketone	0.050	U	0.050	0.011
7421-93-4	Endrin aldehyde	0.050	U	0.050	0.0090
5103-71-9	alpha-Chlordane	0.050	U	0.050	0.0080
5103-74-2	gamma-Chlordane	0.050	U	0.050	0.0090
8001-35-2	Toxaphene	0.50	U	0.50	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	126		53-150
877-09-8	Tetrachloro-m-xylene	125		40-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-12-11/12oct11a.b/xr125374.d
Lab Smp Id: SGPIBLK_00008
Inj Date : 12-OCT-2011 11:51
Operator :
Smp Info : SGPIBLK_00008
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-12-11/12oct11a.b/09Xr8081.m
Meth Date : 12-Oct-2011 13:00 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i

Compound Sublist: Allpest.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28	Tetrachloro-m-xylene						CAS #: 877-09-8		
1.923	1.923	0.000	146717	25.0633			80.00- 120.00	100.00(aR)	
\$ 30	Decachlorobiphenyl						CAS #: 2051-24-3		
9.377	9.377	0.000	113233	25.2134			80.00- 120.00	100.00(aR)	

QC Flag Legend

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

Data File: xr125374.d

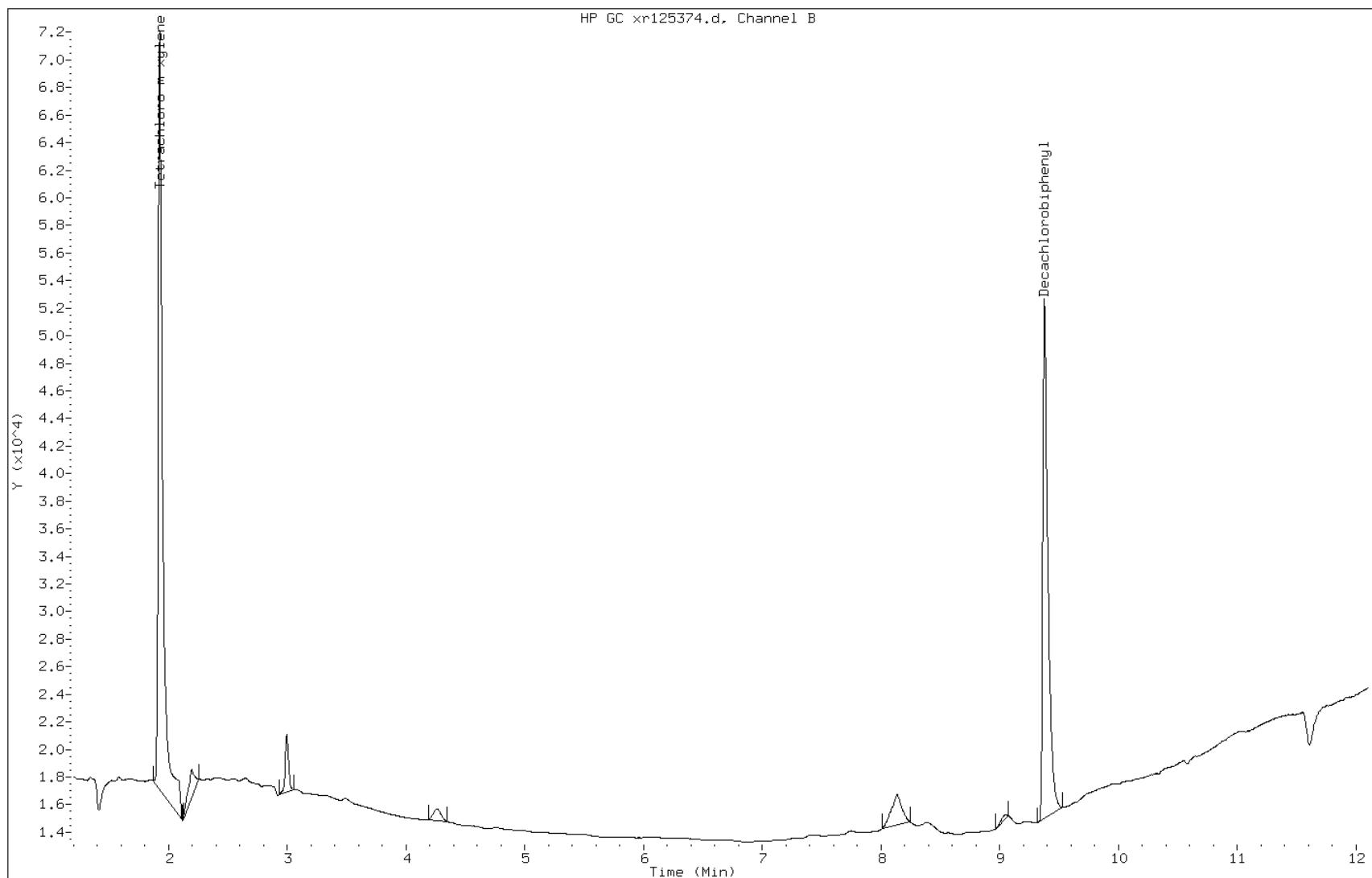
Date: 12-OCT-2011 11:51

Client ID:

Instrument: PESTGC1.i

Sample Info: SGPIBLK_00008

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-88637/2-A
 Matrix: Solid Lab File ID: xf125272.d
 Analysis Method: 8081A Date Collected: _____
 Extraction Method: 3541 Date Extracted: 10/07/2011 03:03
 Sample wt/vol: 15.00(g) Date Analyzed: 10/11/2011 11:38
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	128		6.7	1.2
319-85-7	beta-BHC	124		6.7	0.91
319-86-8	delta-BHC	131		6.7	1.0
58-89-9	gamma-BHC (Lindane)	130		6.7	0.78
76-44-8	Heptachlor	126		6.7	0.96
309-00-2	Aldrin	133		6.7	1.5
1024-57-3	Heptachlor epoxide	126		6.7	1.4
959-98-8	Endosulfan I	128		6.7	1.4
60-57-1	Dieldrin	133		6.7	1.3
72-55-9	4,4'-DDE	130		6.7	1.3
72-20-8	Endrin	133		6.7	0.94
33213-65-9	Endosulfan II	131		6.7	1.0
72-54-8	4,4'-DDD	128		6.7	0.80
1031-07-8	Endosulfan sulfate	129		6.7	0.86
50-29-3	4,4'-DDT	130		6.7	0.84
72-43-5	Methoxychlor	122		6.7	0.75
53494-70-5	Endrin ketone	140		6.7	0.99
7421-93-4	Endrin aldehyde	110		6.7	1.7
5103-71-9	alpha-Chlordane	125		6.7	1.4
5103-74-2	gamma-Chlordane	129		6.7	1.4
8001-35-2	Toxaphene	67	U	67	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	117		53-150
877-09-8	Tetrachloro-m-xylene	98		40-150

Data File: xf125272.d
Report Date: 12-Oct-2011 06:04

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/xf125272.d
Lab Smp Id: lcs 460-88637/2-
Inj Date : 11-OCT-2011 11:38
Operator :
Smp Info : lcs 460-88637/2-
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/09Xf8081.m
Meth Date : 12-Oct-2011 06:04 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125059.d
QC Sample: BS
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	ON-COL	FINAL	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
\$ 28 Tetrachloro-m-xylene									
CAS #: 877-09-8									
2.597	2.593	0.004	151749	49.2150	33	80.00- 120.00	100.00		

2 alpha-BHC									
CAS #: 319-84-6									
3.180	3.180	0.000	810645	191.508	130	80.00- 120.00	100.00		

5 gamma-BHC (Lindane)									
CAS #: 58-89-9									
3.680	3.677	0.003	834498	195.545	130	80.00- 120.00	100.00		

3 beta-BHC									
CAS #: 319-85-7									
3.833	3.833	0.000	393318	185.836	120	80.00- 120.00	100.00		

4 delta-BHC									
CAS #: 319-86-8									
4.610	4.607	0.003	851406	196.791	130	80.00- 120.00	100.00		

Data File: xf125272.d
Report Date: 12-Oct-2011 06:04

RT	EXP RT	DLT RT	CONCENTRATIONS		RESPONSE (ug/L)	ON-COL (ug/kg)	FINAL (ug/kg)	TARGET RANGE	RATIO
17	Heptachlor						CAS #: 76-44-8		
4.813	4.813	0.000			812754	188.348	120	80.00- 120.00	100.00

1	Aldrin						CAS #: 309-00-2		
5.720	5.717	0.003			858170	199.595	130	80.00- 120.00	100.00

18	Heptachlor epoxide						CAS #: 1024-57-3		
7.150	7.147	0.003			711605	188.636	120	80.00- 120.00	100.00

65	gamma-Chlordane						CAS #: 5103-74-2		
7.457	7.457	0.000			694574	193.018	130	80.00- 120.00	100.00

66	alpha-Chlordane						CAS #: 5103-71-9		
7.650	7.647	0.003			614371	188.158	120	80.00- 120.00	100.00

8	4,4'-DDE						CAS #: 72-55-9		
7.820	7.820	0.000			605534	195.719	130	80.00- 120.00	100.00

11	Endosulfan I						CAS #: 959-98-8		
7.730	7.727	0.003			597489	191.336	130	80.00- 120.00	100.00

10	Dieldrin						CAS #: 60-57-1		
8.050	8.050	0.000			650049	200.154	130	80.00- 120.00	100.00

14	Endrin						CAS #: 72-20-8		
8.417	8.417	0.000			532036	199.104	130	80.00- 120.00	100.00

7	4,4'-DDD						CAS #: 72-54-8		
8.503	8.503	0.000			509939	192.307	130	80.00- 120.00	100.00

12	Endosulfan II						CAS #: 33213-65-9		
8.663	8.663	0.000			556049	197.090	130	80.00- 120.00	100.00

9	4,4'-DDT						CAS #: 50-29-3		
8.883	8.883	0.000			496185	195.230	130	80.00- 120.00	100.00

15	Endrin aldehyde						CAS #: 7421-93-4		
9.067	9.063	0.004			374033	165.665	110	80.00- 120.00	100.00

19	Methoxychlor						CAS #: 72-43-5		
9.570	9.570	0.000			227119	183.542	120	80.00- 120.00	100.00

13	Endosulfan sulfate						CAS #: 1031-07-8		
9.367	9.363	0.004			442953	193.339	130	80.00- 120.00	100.00

16	Endrin ketone						CAS #: 53494-70-5		
9.803	9.800	0.003			519161	209.779	140	80.00- 120.00	100.00

Data File: xf125272.d
Report Date: 12-Oct-2011 06:04

				CONCENTRATIONS					
				ON-COL	FINAL				
RT	EXP RT	DLT RT		RESPONSE (ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====		=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl				CAS #: 2051-24-3					
10.753	10.750	0.003		121271	58.6057	39	80.00- 120.00	100.00	

Data File: xf125272.d

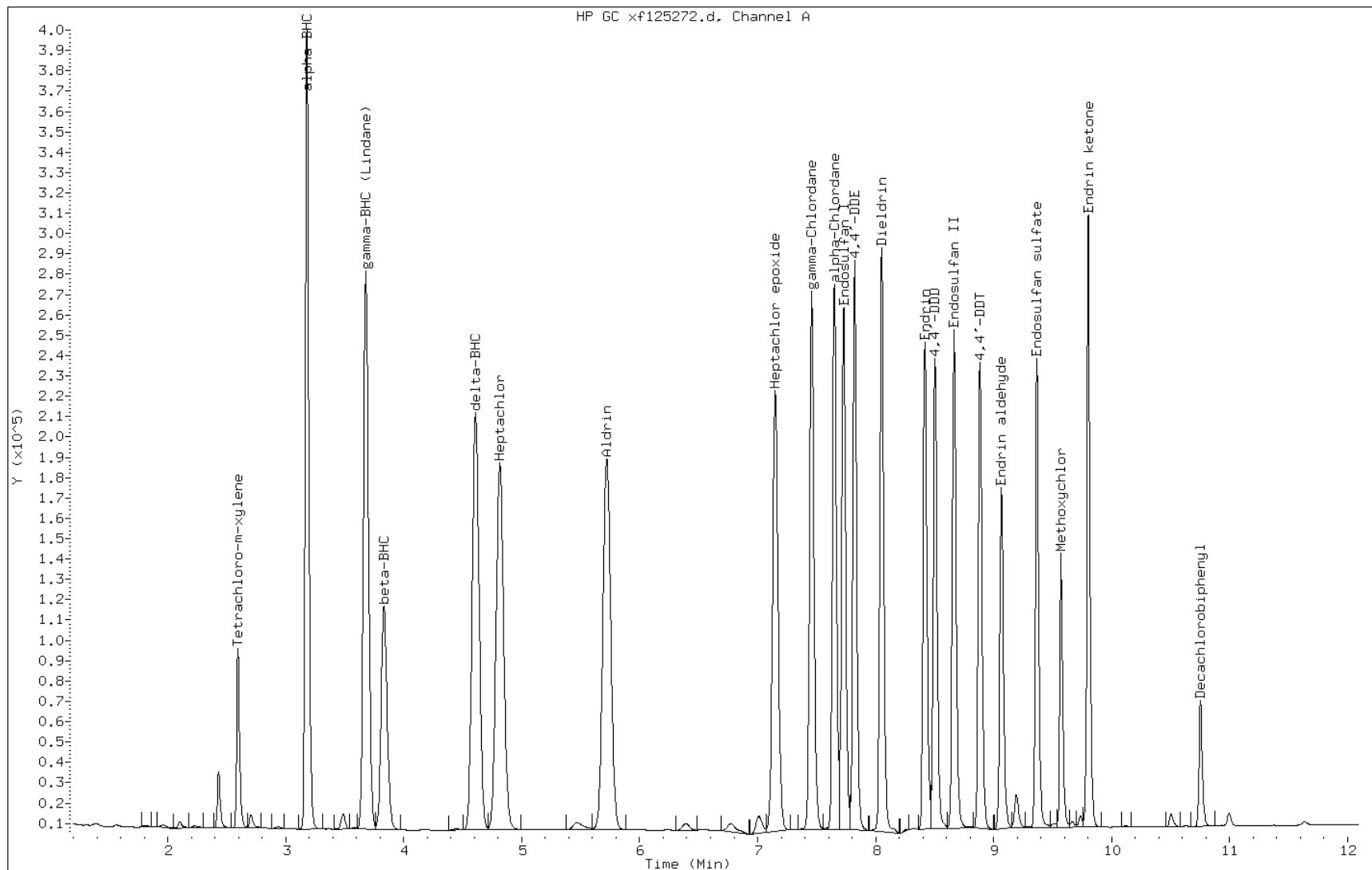
Date: 11-OCT-2011 11:38

Client ID:

Instrument: PESTGC1.i

Sample Info: lcs 460-88637/2-

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-88637/2-A
 Matrix: Solid Lab File ID: xr125272.d
 Analysis Method: 8081A Date Collected: _____
 Extraction Method: 3541 Date Extracted: 10/07/2011 03:03
 Sample wt/vol: 15.00(g) Date Analyzed: 10/11/2011 11:38
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	120		6.7	1.2
319-85-7	beta-BHC	130		6.7	0.91
319-86-8	delta-BHC	122		6.7	1.0
58-89-9	gamma-BHC (Lindane)	120		6.7	0.78
76-44-8	Heptachlor	122		6.7	0.96
309-00-2	Aldrin	119		6.7	1.5
1024-57-3	Heptachlor epoxide	130		6.7	1.4
959-98-8	Endosulfan I	131		6.7	1.4
60-57-1	Dieldrin	134		6.7	1.3
72-55-9	4,4'-DDE	129		6.7	1.3
72-20-8	Endrin	137		6.7	0.94
33213-65-9	Endosulfan II	136		6.7	1.0
72-54-8	4,4'-DDD	136		6.7	0.80
1031-07-8	Endosulfan sulfate	118		6.7	0.86
50-29-3	4,4'-DDT	132		6.7	0.84
72-43-5	Methoxychlor	118		6.7	0.75
53494-70-5	Endrin ketone	120		6.7	0.99
7421-93-4	Endrin aldehyde	117		6.7	1.7
5103-71-9	alpha-Chlordane	90.7		6.7	1.4
5103-74-2	gamma-Chlordane	129		6.7	1.4
8001-35-2	Toxaphene	67	U	67	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	139		53-150
877-09-8	Tetrachloro-m-xylene	107		40-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/xr125272.d
Lab Smp Id: lcs 460-88637/2-
Inj Date : 11-OCT-2011 11:38
Operator :
Smp Info : lcs 460-88637/2-
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/09Xr8081.m
Meth Date : 12-Oct-2011 06:03 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1 QC Sample: BS
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i

Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

			CONCENTRATIONS					
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/L)	FINAL (ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
\$ 28 Tetrachloro-m-xylene						CAS #:	877-09-8	
1.927	1.927	0.000	312311	53.3510	36	80.00- 120.00	100.00	

2 alpha-BHC						CAS #:	319-84-6	
2.313	2.313	0.000	1414215	180.334	120	80.00- 120.00	100.00	

5 gamma-BHC (Lindane)						CAS #:	58-89-9	
2.537	2.537	0.000	1171761	179.857	120	80.00- 120.00	100.00	

3 beta-BHC						CAS #:	319-85-7	
2.597	2.600	-0.003	727210	195.311	130	80.00- 120.00	100.00	

4 delta-BHC						CAS #:	319-86-8	
2.727	2.727	0.000	1270254	182.529	120	80.00- 120.00	100.00	

RT	EXP RT	DLT RT	CONCENTRATIONS		RESPONSE (ug/L)	ON-COL FINAL (ug/kg)	TARGET RANGE	RATIO
17	Heptachlor					CAS #: 76-44-8		
2.893	2.893	0.000	1294850	182.287	120	80.00- 120.00	100.00	
1	Aldrin					CAS #: 309-00-2		
3.160	3.160	0.000	1209041	178.807	120	80.00- 120.00	100.00	
18	Heptachlor epoxide					CAS #: 1024-57-3		
4.020	4.020	0.000	1370045	194.798	130	80.00- 120.00	100.00	
65	gamma-Chlordane					CAS #: 5103-74-2		
4.310	4.310	0.000	1397383	194.058	130	80.00- 120.00	100.00	
66	alpha-Chlordane					CAS #: 5103-71-9		
4.613	4.620	-0.007	943872	136.057	91	80.00- 120.00	100.00	
8	4,4'-DDE					CAS #: 72-55-9		
4.830	4.830	0.000	1202859	193.245	130	80.00- 120.00	100.00	
11	Endosulfan I					CAS #: 959-98-8		
4.937	4.937	0.000	1331065	197.211	130	80.00- 120.00	100.00	
10	Dieldrin					CAS #: 60-57-1		
5.530	5.533	-0.003	1357589	201.600	130	80.00- 120.00	100.00	
14	Endrin					CAS #: 72-20-8		
6.123	6.120	0.003	1188498	204.920	140	80.00- 120.00	100.00	
7	4,4'-DDD					CAS #: 72-54-8		
6.317	6.320	-0.003	1088705	204.628	140	80.00- 120.00	100.00	
12	Endosulfan II					CAS #: 33213-65-9		
6.657	6.657	0.000	1219372	204.196	140	80.00- 120.00	100.00	
9	4,4'-DDT					CAS #: 50-29-3		
6.970	6.967	0.003	1111865	197.977	130	80.00- 120.00	100.00	
15	Endrin aldehyde					CAS #: 7421-93-4		
7.430	7.430	0.000	809652	175.877	120	80.00- 120.00	100.00	
19	Methoxychlor					CAS #: 72-43-5		
7.687	7.690	-0.003	505305	177.091	120	80.00- 120.00	100.00	
13	Endosulfan sulfate					CAS #: 1031-07-8		
7.933	7.933	0.000	829750	177.353	120	80.00- 120.00	100.00	
16	Endrin ketone					CAS #: 53494-70-5		
8.243	8.247	-0.004	970574	180.343	120	80.00- 120.00	100.00	

Data File: xr125272.d
Report Date: 12-Oct-2011 06:04

Page 3

		CONCENTRATIONS									
		ON-COL		FINAL							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO					
==	=====	=====	=====	=====	=====	=====					
\$ 30 Decachlorobiphenyl					CAS #: 2051-24-3						
9.377	9.377	0.000	311848	69.4384	46 80.00- 120.00	100.00					

Data File: xr125272.d

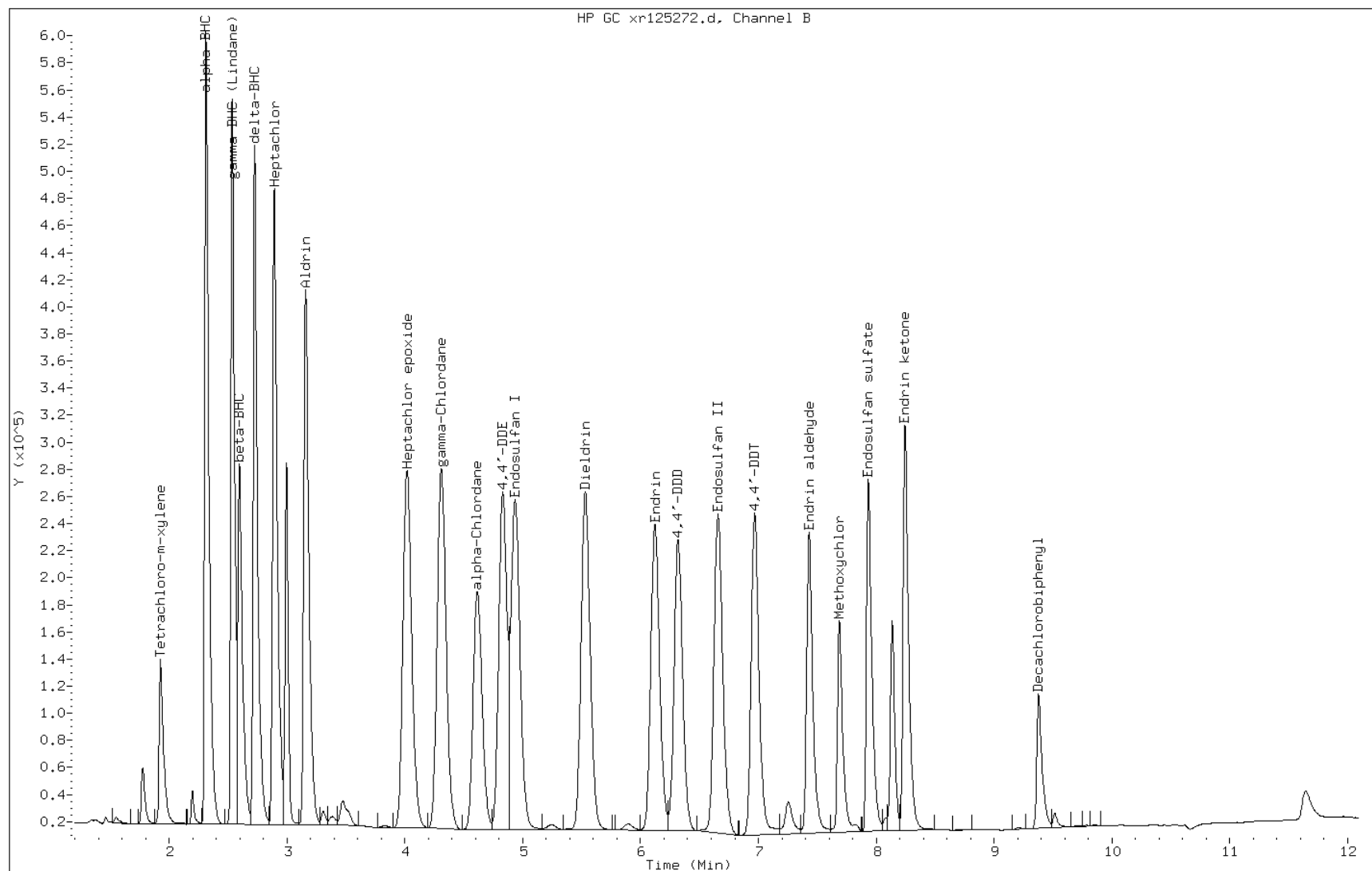
Date: 11-OCT-2011 11:38

Client ID:

Instrument: PESTGC1.i

Sample Info: lcs 460-88637/2-

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-32010-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-32001-D-7-D MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>xf125274.d</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>09/29/2011 10:55</u>
Extraction Method: <u>3541</u>	Date Extracted: <u>10/07/2011 03:03</u>
Sample wt/vol: <u>15.00(g)</u>	Date Analyzed: <u>10/11/2011 12:06</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53(mm)</u>
% Moisture: <u>19.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>89072</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	111		8.4	1.5
319-85-7	beta-BHC	104		8.4	1.1
319-86-8	delta-BHC	115		8.4	1.3
58-89-9	gamma-BHC (Lindane)	107		8.4	0.97
76-44-8	Heptachlor	112		8.4	1.2
309-00-2	Aldrin	119		8.4	1.8
1024-57-3	Heptachlor epoxide	112		8.4	1.7
959-98-8	Endosulfan I	110		8.4	1.8
60-57-1	Dieldrin	112		8.4	1.6
72-55-9	4,4'-DDE	111		8.4	1.6
72-20-8	Endrin	114		8.4	1.2
33213-65-9	Endosulfan II	112		8.4	1.3
72-54-8	4,4'-DDD	109		8.4	1.0
1031-07-8	Endosulfan sulfate	118		8.4	1.1
50-29-3	4,4'-DDT	109		8.4	1.0
72-43-5	Methoxychlor	115		8.4	0.94
53494-70-5	Endrin ketone	114		8.4	1.2
7421-93-4	Endrin aldehyde	96.7		8.4	2.1
5103-71-9	alpha-Chlordane	109		8.4	1.8
5103-74-2	gamma-Chlordane	111		8.4	1.7
8001-35-2	Toxaphene	84	U	84	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	120		53-150
877-09-8	Tetrachloro-m-xylene	58		40-150

Data File: xf125274.d
Report Date: 12-Oct-2011 06:04

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/xf125274.d
Lab Smp Id: 460-32001-d-7-d
Inj Date : 11-OCT-2011 12:06
Operator :
Smp Info : 460-32001-d-7-d
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/09Xf8081.m
Meth Date : 12-Oct-2011 06:04 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125059.d
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene									
CAS #: 877-09-8									
2.593	2.593	0.000	88899	28.8316	19	80.00-	120.00	100.00	

2 alpha-BHC									
CAS #: 319-84-6									
3.180	3.180	0.000	563522	133.128	89	80.00-	120.00	100.00	

5 gamma-BHC (Lindane)									
CAS #: 58-89-9									
3.677	3.677	0.000	551366	129.200	86	80.00-	120.00	100.00	

3 beta-BHC									
CAS #: 319-85-7									
3.833	3.833	0.000	264004	124.738	83	80.00-	120.00	100.00	

4 delta-BHC									
CAS #: 319-86-8									
4.607	4.607	0.000	597068	138.004	92	80.00-	120.00	100.00	

Data File: xf125274.d
Report Date: 12-Oct-2011 06:04

RT	EXP RT	DLT RT	CONCENTRATIONS		RESPONSE (ug/L)	ON-COL (ug/kg)	FINAL (ug/kg)	TARGET RANGE	RATIO
17	Heptachlor						CAS #: 76-44-8		
4.813	4.813	0.000			579415	134.274	90	80.00- 120.00	100.00
1	Aldrin						CAS #: 309-00-2		
5.720	5.717	0.003			616306	143.342	96	80.00- 120.00	100.00
18	Heptachlor epoxide						CAS #: 1024-57-3		
7.147	7.147	0.000			510038	135.203	90	80.00- 120.00	100.00
65	gamma-Chlordane						CAS #: 5103-74-2		
7.457	7.457	0.000			481891	133.915	89	80.00- 120.00	100.00
66	alpha-Chlordane						CAS #: 5103-71-9		
7.650	7.647	0.003			428730	131.303	88	80.00- 120.00	100.00
8	4,4'-DDE						CAS #: 72-55-9		
7.820	7.820	0.000			413821	133.754	89	80.00- 120.00	100.00
11	Endosulfan I						CAS #: 959-98-8		
7.727	7.727	0.000			412581	132.122	88	80.00- 120.00	100.00
10	Dieldrin						CAS #: 60-57-1		
8.050	8.050	0.000			437440	134.691	90	80.00- 120.00	100.00
14	Endrin						CAS #: 72-20-8		
8.417	8.417	0.000			366825	137.277	92	80.00- 120.00	100.00
7	4,4'-DDD						CAS #: 72-54-8		
8.503	8.503	0.000			349003	131.615	88	80.00- 120.00	100.00
12	Endosulfan II						CAS #: 33213-65-9		
8.663	8.663	0.000			378527	134.168	89	80.00- 120.00	100.00
9	4,4'-DDT						CAS #: 50-29-3		
8.883	8.883	0.000			332192	130.705	87	80.00- 120.00	100.00
15	Endrin aldehyde						CAS #: 7421-93-4		
9.067	9.063	0.004			262490	116.261	78	80.00- 120.00	100.00
19	Methoxychlor						CAS #: 72-43-5		
9.570	9.570	0.000			171167	138.325	92	80.00- 120.00	100.00
13	Endosulfan sulfate						CAS #: 1031-07-8		
9.363	9.363	0.000			324426	141.604	94	80.00- 120.00	100.00
16	Endrin ketone						CAS #: 53494-70-5		
9.800	9.800	0.000			340076	137.416	92	80.00- 120.00	100.00

Data File: xf125274.d
 Report Date: 12-Oct-2011 06:04

		CONCENTRATIONS							
		ON-COL	FINAL						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====			
\$ 30 Decachlorobiphenyl			CAS #: 2051-24-3						
10.750	10.750	0.000	124197	60.0197	40	80.00-	120.00	100.00	

Data File: xf125274.d

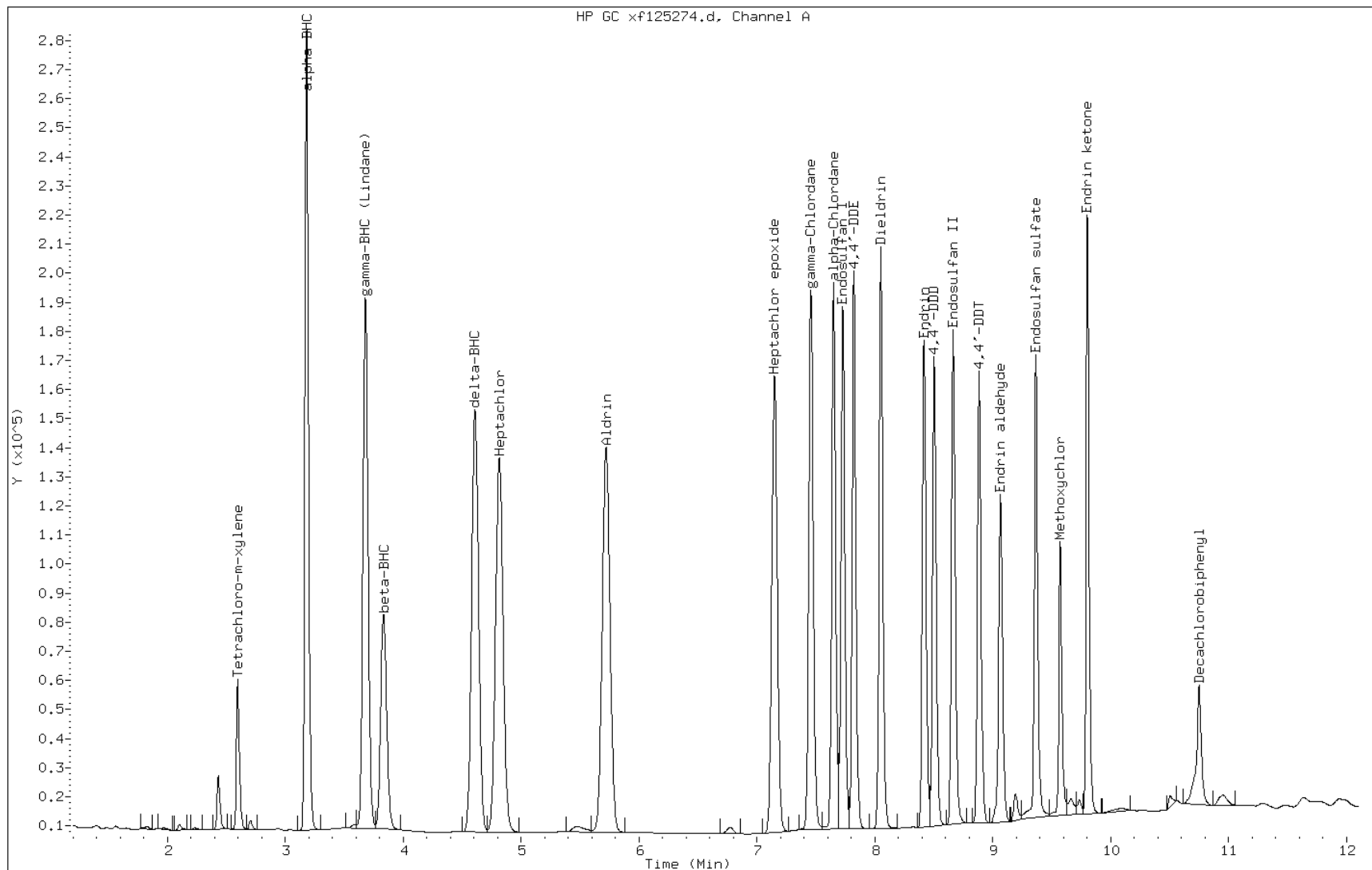
Date: 11-OCT-2011 12:06

Client ID:

Instrument: PESTGC1.i

Sample Info: 460-32001-d-7-d

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 460-32001-D-7-D MS

Matrix: Solid Lab File ID: xr125274.d

Analysis Method: 8081A Date Collected: 09/29/2011 10:55

Extraction Method: 3541 Date Extracted: 10/07/2011 03:03

Sample wt/vol: 15.00(g) Date Analyzed: 10/11/2011 12:06

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

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: 19.9 GPC Cleanup: (Y/N) N

Analysis Batch No.: 89072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	110		8.4	1.5
319-85-7	beta-BHC	110		8.4	1.1
319-86-8	delta-BHC	110		8.4	1.3
58-89-9	gamma-BHC (Lindane)	109		8.4	0.97
76-44-8	Heptachlor	110		8.4	1.2
309-00-2	Aldrin	109		8.4	1.8
1024-57-3	Heptachlor epoxide	120		8.4	1.7
959-98-8	Endosulfan I	116		8.4	1.8
60-57-1	Dieldrin	120		8.4	1.6
72-55-9	4,4'-DDE	119		8.4	1.6
72-20-8	Endrin	120		8.4	1.2
33213-65-9	Endosulfan II	114		8.4	1.3
72-54-8	4,4'-DDD	116		8.4	1.0
1031-07-8	Endosulfan sulfate	95.3		8.4	1.1
50-29-3	4,4'-DDT	109		8.4	1.0
72-43-5	Methoxychlor	96.7		8.4	0.94
53494-70-5	Endrin ketone	100		8.4	1.2
7421-93-4	Endrin aldehyde	90.4		8.4	2.1
5103-71-9	alpha-Chlordane	115		8.4	1.8
5103-74-2	gamma-Chlordane	118		8.4	1.7
8001-35-2	Toxaphene	84	U	84	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	58		53-150
877-09-8	Tetrachloro-m-xylene	62		40-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/xr125274.d
Lab Smp Id: 460-32001-d-7-d
Inj Date : 11-OCT-2011 12:06
Operator :
Smp Info : 460-32001-d-7-d
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/09Xr8081.m
Meth Date : 12-Oct-2011 06:03 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC1.i

Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====		=====
\$ 28 Tetrachloro-m-xylene								
1.927	1.927	0.000	182097	31.1070	21	80.00-	120.00	100.00

2 alpha-BHC								
2.313	2.313	0.000	1035190	132.002	88	80.00-	120.00	100.00

5 gamma-BHC (Lindane)								
2.533	2.537	-0.004	856488	131.465	88	80.00-	120.00	100.00

3 beta-BHC								
2.597	2.600	-0.003	494126	132.710	88	80.00-	120.00	100.00

4 delta-BHC								
2.727	2.727	0.000	921836	132.463	88	80.00-	120.00	100.00

RT	EXP RT	DLT RT	CONCENTRATIONS		RESPONSE (ug/L)	ON-COL FINAL (ug/kg)	TARGET RANGE	RATIO
17	Heptachlor					CAS #: 76-44-8		
2.893	2.893	0.000			936961 131.904	88 80.00- 120.00	100.00	
1	Aldrin					CAS #: 309-00-2		
3.157	3.160	-0.003			883111 130.605	87 80.00- 120.00	100.00	
18	Heptachlor epoxide					CAS #: 1024-57-3		
4.017	4.020	-0.003			1011950 143.883	96 80.00- 120.00	100.00	
65	gamma-Chlordane					CAS #: 5103-74-2		
4.310	4.310	0.000			1025413 142.402	95 80.00- 120.00	100.00	
66	alpha-Chlordane					CAS #: 5103-71-9		
4.620	4.620	0.000			960079 138.393	92 80.00- 120.00	100.00	
8	4,4'-DDE					CAS #: 72-55-9		
4.830	4.830	0.000			890132 143.004	95 80.00- 120.00	100.00	
11	Endosulfan I					CAS #: 959-98-8		
4.937	4.937	0.000			939325 139.170	93 80.00- 120.00	100.00	
10	Dieldrin					CAS #: 60-57-1		
5.533	5.533	0.000			970425 144.107	96 80.00- 120.00	100.00	
14	Endrin					CAS #: 72-20-8		
6.120	6.120	0.000			839755 144.790	96 80.00- 120.00	100.00	
7	4,4'-DDD					CAS #: 72-54-8		
6.317	6.320	-0.003			743182 139.685	93 80.00- 120.00	100.00	
12	Endosulfan II					CAS #: 33213-65-9		
6.657	6.657	0.000			815879 136.627	91 80.00- 120.00	100.00	
9	4,4'-DDT					CAS #: 50-29-3		
6.967	6.967	0.000			737707 131.355	88 80.00- 120.00	100.00	
15	Endrin aldehyde					CAS #: 7421-93-4		
7.430	7.430	0.000			500485 108.718	72 80.00- 120.00	100.00	
19	Methoxychlor					CAS #: 72-43-5		
7.687	7.690	-0.003			331553 116.197	77 80.00- 120.00	100.00	
13	Endosulfan sulfate					CAS #: 1031-07-8		
7.933	7.933	0.000			536190 114.607	76 80.00- 120.00	100.00	
16	Endrin ketone					CAS #: 53494-70-5		
8.243	8.247	-0.004			647077 120.234	80 80.00- 120.00	100.00	

Data File: xr125274.d
Report Date: 12-Oct-2011 06:04

Page 3

		CONCENTRATIONS							
		ON-COL		FINAL					
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 30 Decachlorobiphenyl					CAS #: 2051-24-3				
9.380	9.377	0.003	130263	29.0053	19	80.00-	120.00	100.00	

Data File: xr125274.d

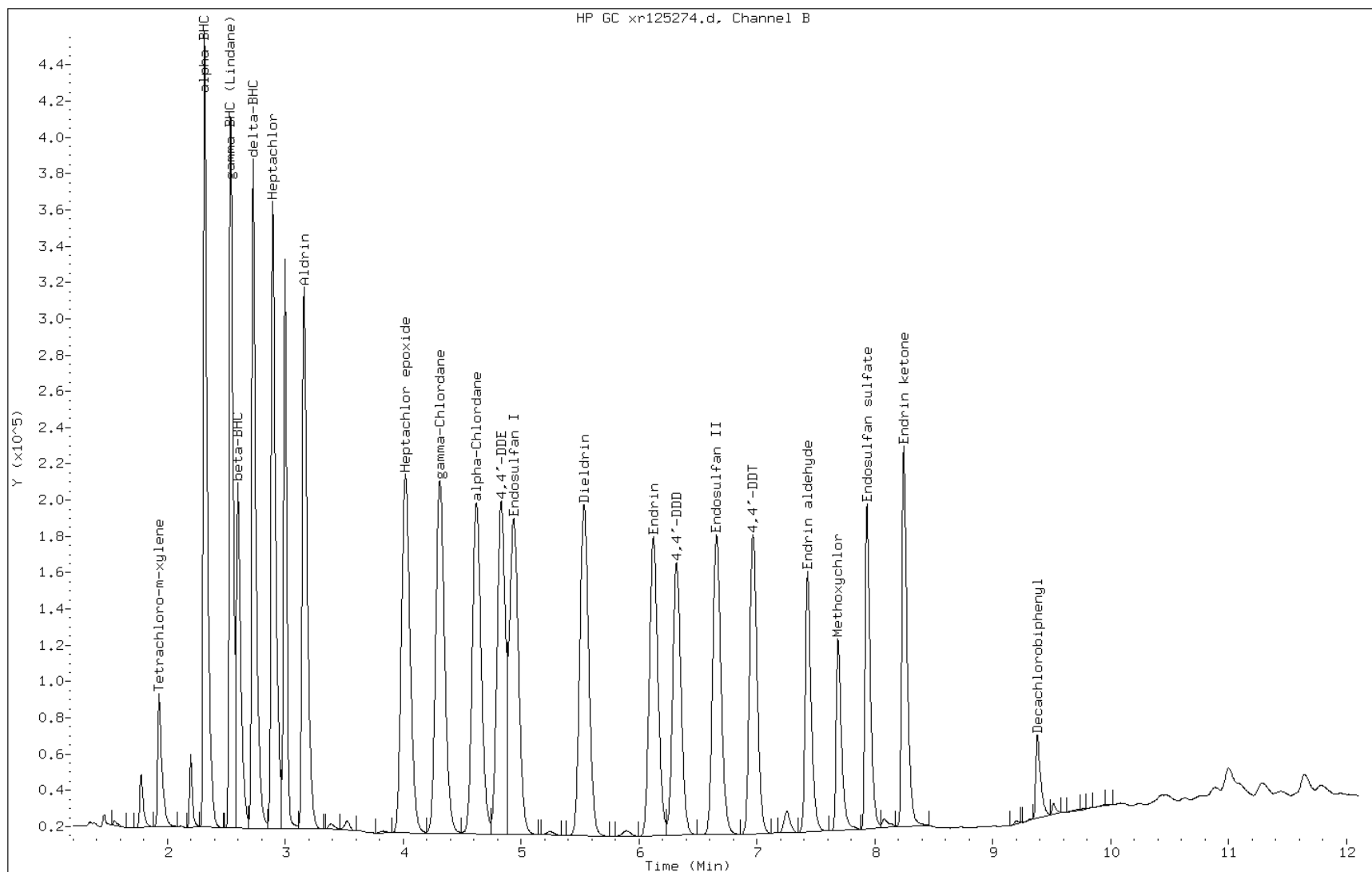
Date: 11-OCT-2011 12:06

Client ID:

Instrument: PESTGC1.i

Sample Info: 460-32001-d-7-d

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-32010-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-32001-D-7-E MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>xf125275.d</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>09/29/2011 10:55</u>
Extraction Method: <u>3541</u>	Date Extracted: <u>10/07/2011 03:03</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>10/11/2011 12:19</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53(mm)</u>
% Moisture: <u>19.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>89072</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	112		8.3	1.5
319-85-7	beta-BHC	110		8.3	1.1
319-86-8	delta-BHC	118		8.3	1.3
58-89-9	gamma-BHC (Lindane)	114		8.3	0.97
76-44-8	Heptachlor	116		8.3	1.2
309-00-2	Aldrin	119		8.3	1.8
1024-57-3	Heptachlor epoxide	113		8.3	1.7
959-98-8	Endosulfan I	110		8.3	1.8
60-57-1	Dieldrin	113		8.3	1.6
72-55-9	4,4'-DDE	115		8.3	1.6
72-20-8	Endrin	116		8.3	1.2
33213-65-9	Endosulfan II	112		8.3	1.3
72-54-8	4,4'-DDD	112		8.3	1.0
1031-07-8	Endosulfan sulfate	108		8.3	1.1
50-29-3	4,4'-DDT	112		8.3	1.0
72-43-5	Methoxychlor	105		8.3	0.93
53494-70-5	Endrin ketone	111		8.3	1.2
7421-93-4	Endrin aldehyde	101		8.3	2.1
5103-71-9	alpha-Chlordane	111		8.3	1.8
5103-74-2	gamma-Chlordane	113		8.3	1.7
8001-35-2	Toxaphene	83	U	83	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	84		53-150
877-09-8	Tetrachloro-m-xylene	57		40-150

Data File: xf125275.d
Report Date: 12-Oct-2011 06:04

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/xf125275.d
Lab Smp Id: 460-32001-d-7-e
Inj Date : 11-OCT-2011 12:19
Operator :
Smp Info : 460-32001-d-7-e
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/front/Oct11/10-11-11/11oct11b.b/09Xf8081.m
Meth Date : 12-Oct-2011 06:04 ferdie
Cal Date : 05-OCT-2011 09:25
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC1.i
Quant Type: ESTD
Cal File: xf125059.d
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene								
2.597	2.593	0.004	88590	28.7314	19	80.00-	120.00	100.00

2 alpha-BHC								
3.180	3.180	0.000	571086	134.915	90	80.00-	120.00	100.00

5 gamma-BHC (Lindane)								
3.680	3.677	0.003	587293	137.619	92	80.00-	120.00	100.00

3 beta-BHC								
3.833	3.833	0.000	280665	132.610	88	80.00-	120.00	100.00

4 delta-BHC								
4.610	4.607	0.003	615753	142.323	95	80.00-	120.00	100.00

Data File: xf125275.d
Report Date: 12-Oct-2011 06:04

RT	EXP RT	DLT RT	CONCENTRATIONS		RESPONSE (ug/L)	FINAL (ug/kg)	TARGET RANGE	RATIO
			ON-COL					
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #: 76-44-8		
4.817	4.813	0.004	600126	139.073	93	80.00- 120.00	100.00	

1	Aldrin					CAS #: 309-00-2		
5.720	5.717	0.003	615934	143.255	96	80.00- 120.00	100.00	

18	Heptachlor epoxide					CAS #: 1024-57-3		
7.150	7.147	0.003	512743	135.920	91	80.00- 120.00	100.00	

65	gamma-Chlordane					CAS #: 5103-74-2		
7.457	7.457	0.000	489003	135.891	90	80.00- 120.00	100.00	

66	alpha-Chlordane					CAS #: 5103-71-9		
7.650	7.647	0.003	437974	134.134	89	80.00- 120.00	100.00	

8	4,4'-DDE					CAS #: 72-55-9		
7.820	7.820	0.000	427137	138.058	92	80.00- 120.00	100.00	

11	Endosulfan I					CAS #: 959-98-8		
7.727	7.727	0.000	415162	132.949	89	80.00- 120.00	100.00	

10	Dieldrin					CAS #: 60-57-1		
8.050	8.050	0.000	443642	136.600	91	80.00- 120.00	100.00	

14	Endrin					CAS #: 72-20-8		
8.417	8.417	0.000	372120	139.258	93	80.00- 120.00	100.00	

7	4,4'-DDD					CAS #: 72-54-8		
8.503	8.503	0.000	358242	135.099	90	80.00- 120.00	100.00	

12	Endosulfan II					CAS #: 33213-65-9		
8.663	8.663	0.000	381826	135.337	90	80.00- 120.00	100.00	

9	4,4'-DDT					CAS #: 50-29-3		
8.883	8.883	0.000	342184	134.636	90	80.00- 120.00	100.00	

15	Endrin aldehyde					CAS #: 7421-93-4		
9.067	9.063	0.004	273529	121.150	81	80.00- 120.00	100.00	

19	Methoxychlor					CAS #: 72-43-5		
9.570	9.570	0.000	156839	126.747	84	80.00- 120.00	100.00	

13	Endosulfan sulfate					CAS #: 1031-07-8		
9.367	9.363	0.004	299093	130.547	87	80.00- 120.00	100.00	

16	Endrin ketone					CAS #: 53494-70-5		
9.803	9.800	0.003	331825	134.082	89	80.00- 120.00	100.00	

Data File: xf125275.d
 Report Date: 12-Oct-2011 06:04

				CONCENTRATIONS					
				ON-COL	FINAL				
RT	EXP RT	DLT RT		RESPONSE (ug/L)	(ug/kg)	TARGET	RANGE		RATIO
==	=====	=====		=====	=====	=====	=====		=====
\$ 30 Decachlorobiphenyl				CAS #: 2051-24-3					
10.750	10.750	0.000		87399	42.2366	28	80.00- 120.00		100.00

Data File: xf125275.d

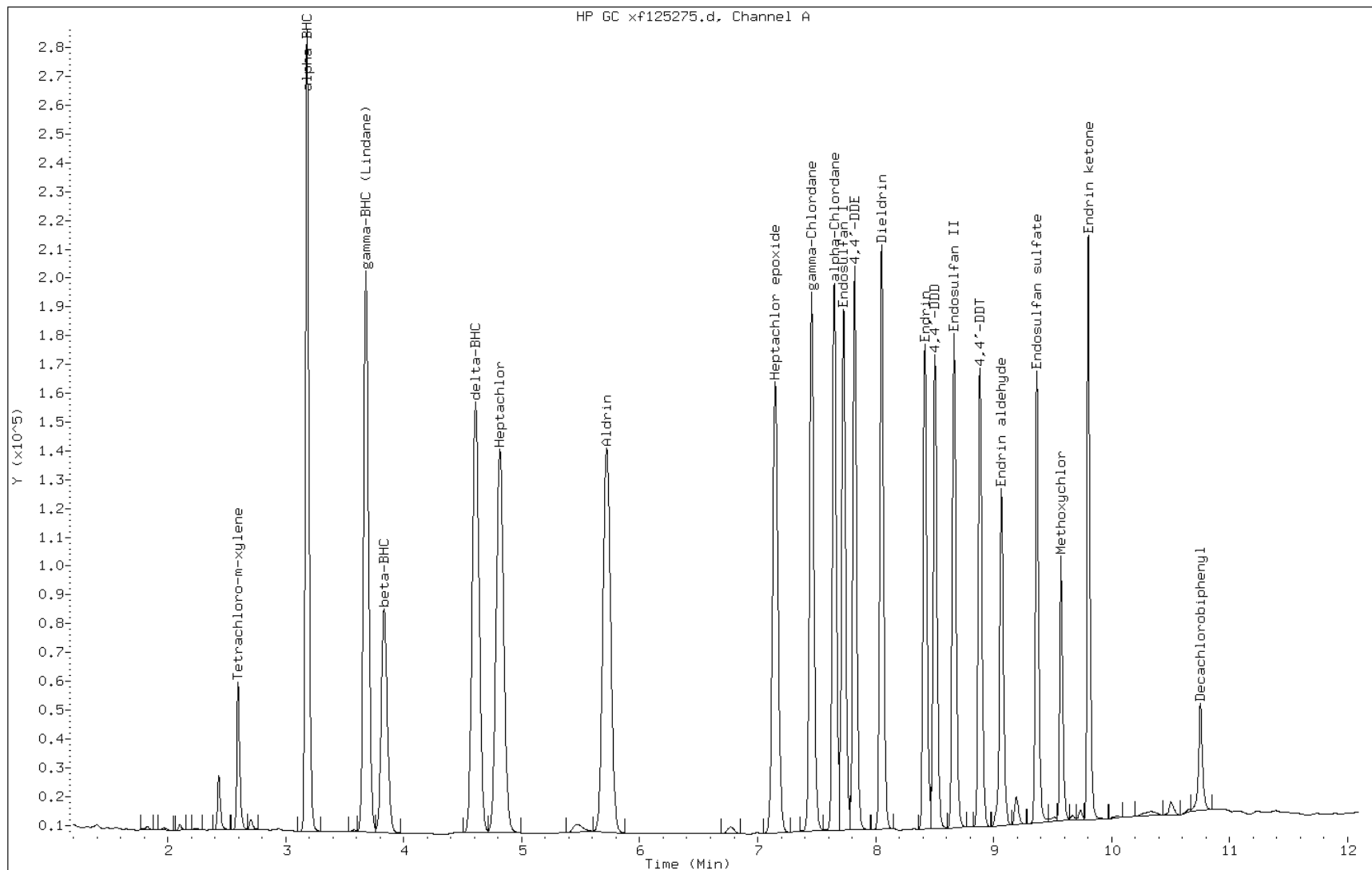
Date: 11-OCT-2011 12:19

Client ID:

Instrument: PESTGC1.i

Sample Info: 460-32001-d-7-e

Operator:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-32001-D-7-E MSD
 Matrix: Solid Lab File ID: xr125275.d
 Analysis Method: 8081A Date Collected: 09/29/2011 10:55
 Extraction Method: 3541 Date Extracted: 10/07/2011 03:03
 Sample wt/vol: 15.02(g) Date Analyzed: 10/11/2011 12:19
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 19.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	114		8.3	1.5
319-85-7	beta-BHC	113		8.3	1.1
319-86-8	delta-BHC	113		8.3	1.3
58-89-9	gamma-BHC (Lindane)	114		8.3	0.97
76-44-8	Heptachlor	113		8.3	1.2
309-00-2	Aldrin	112		8.3	1.8
1024-57-3	Heptachlor epoxide	119		8.3	1.7
959-98-8	Endosulfan I	117		8.3	1.8
60-57-1	Dieldrin	123		8.3	1.6
72-55-9	4,4'-DDE	123		8.3	1.6
72-20-8	Endrin	122		8.3	1.2
33213-65-9	Endosulfan II	117		8.3	1.3
72-54-8	4,4'-DDD	122		8.3	1.0
1031-07-8	Endosulfan sulfate	99.5		8.3	1.1
50-29-3	4,4'-DDT	115		8.3	1.0
72-43-5	Methoxychlor	104		8.3	0.93
53494-70-5	Endrin ketone	106		8.3	1.2
7421-93-4	Endrin aldehyde	99.9		8.3	2.1
5103-71-9	alpha-Chlordane	116		8.3	1.8
5103-74-2	gamma-Chlordane	119		8.3	1.7
8001-35-2	Toxaphene	83	U	83	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	64		53-150
877-09-8	Tetrachloro-m-xylene	62		40-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/xr125275.d
Lab Smp Id: 460-32001-d-7-e
Inj Date : 11-OCT-2011 12:19
Operator : Inst ID: PESTGC1.i
Smp Info : 460-32001-d-7-e
Misc Info :
Comment :
Method : /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b/09Xr8081.m
Meth Date : 12-Oct-2011 06:03 ferdie Quant Type: ESTD
Cal Date : 05-OCT-2011 09:25 Cal File: xr125059.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RANGE	RATIO	
==	=====	=====		=====	=====	=====	=====	=====	
\$ 28 Tetrachloro-m-xylene					CAS #: 877-09-8				
1.930	1.927	0.003		182631	31.1982	21	80.00- 120.00	100.00	

2 alpha-BHC					CAS #: 319-84-6				
2.317	2.313	0.004		1074763	137.048	91	80.00- 120.00	100.00	

5 gamma-BHC (Lindane)					CAS #: 58-89-9				
2.537	2.537	0.000		894238	137.259	92	80.00- 120.00	100.00	

3 beta-BHC					CAS #: 319-85-7				
2.600	2.600	0.000		506516	136.038	91	80.00- 120.00	100.00	

4 delta-BHC					CAS #: 319-86-8				
2.727	2.727	0.000		948687	136.321	91	80.00- 120.00	100.00	

RT	EXP RT	DLT RT	CONCENTRATIONS		RESPONSE (ug/L)	ON-COL FINAL (ug/kg)	TARGET RANGE	RATIO
17	Heptachlor					CAS #: 76-44-8		
2.893	2.893	0.000			963475 135.637	90 80.00- 120.00	100.00	
1	Aldrin					CAS #: 309-00-2		
3.160	3.160	0.000			908795 134.403	90 80.00- 120.00	100.00	
18	Heptachlor epoxide					CAS #: 1024-57-3		
4.020	4.020	0.000			1009906 143.592	96 80.00- 120.00	100.00	
65	gamma-Chlordane					CAS #: 5103-74-2		
4.313	4.310	0.003			1032349 143.365	96 80.00- 120.00	100.00	
66	alpha-Chlordane					CAS #: 5103-71-9		
4.620	4.620	0.000			965096 139.116	93 80.00- 120.00	100.00	
8	4,4'-DDE					CAS #: 72-55-9		
4.830	4.830	0.000			921648 148.067	99 80.00- 120.00	100.00	
11	Endosulfan I					CAS #: 959-98-8		
4.937	4.937	0.000			948946 140.596	94 80.00- 120.00	100.00	
10	Dieldrin					CAS #: 60-57-1		
5.533	5.533	0.000			993435 147.524	98 80.00- 120.00	100.00	
14	Endrin					CAS #: 72-20-8		
6.123	6.120	0.003			853920 147.232	98 80.00- 120.00	100.00	
7	4,4'-DDD					CAS #: 72-54-8		
6.320	6.320	0.000			782698 147.112	98 80.00- 120.00	100.00	
12	Endosulfan II					CAS #: 33213-65-9		
6.657	6.657	0.000			842420 141.072	94 80.00- 120.00	100.00	
9	4,4'-DDT					CAS #: 50-29-3		
6.967	6.967	0.000			777693 138.475	92 80.00- 120.00	100.00	
15	Endrin aldehyde					CAS #: 7421-93-4		
7.430	7.430	0.000			553583 120.252	80 80.00- 120.00	100.00	
19	Methoxychlor					CAS #: 72-43-5		
7.687	7.690	-0.003			356872 125.071	83 80.00- 120.00	100.00	
13	Endosulfan sulfate					CAS #: 1031-07-8		
7.933	7.933	0.000			560416 119.785	80 80.00- 120.00	100.00	
16	Endrin ketone					CAS #: 53494-70-5		
8.243	8.247	-0.004			684033 127.101	85 80.00- 120.00	100.00	

Data File: xr125275.d
Report Date: 12-Oct-2011 06:04

Page 3

		CONCENTRATIONS							
		ON-COL		FINAL					
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 30 Decachlorobiphenyl					CAS #: 2051-24-3				
9.380	9.377	0.003	142895	31.8181	21	80.00-	120.00	100.00	

Data File: xr125275.d

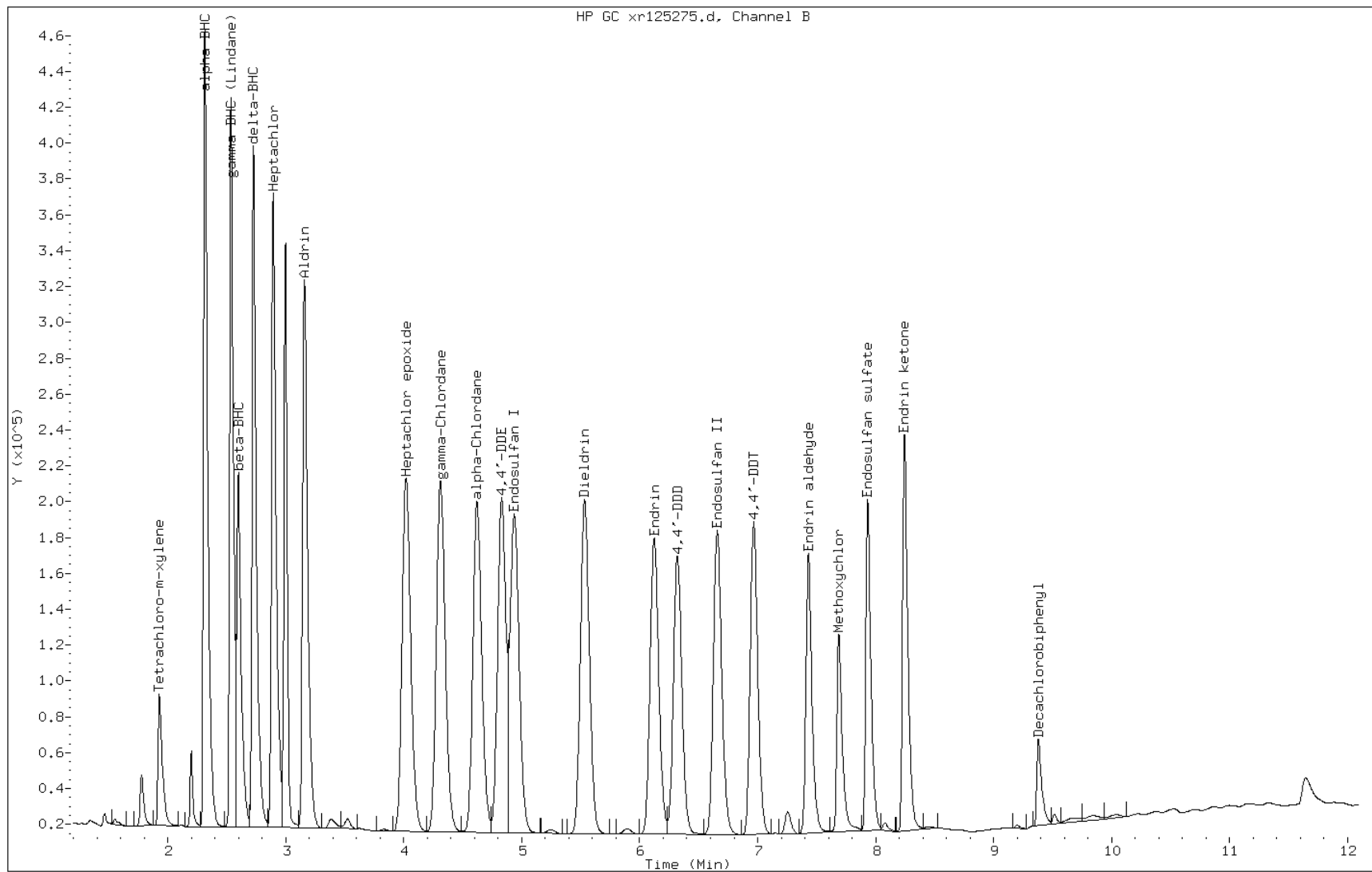
Date: 11-OCT-2011 12:19

Client ID:

Instrument: PESTGC1.i

Sample Info: 460-32001-d-7-e

Operator:



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: PESTGC1 Start Date: 10/05/2011 07:06Analysis Batch Number: 88313 End Date: 10/05/2011 09:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/05/2011 07:06	1		CLP-2 0.53 (mm)
ZZZZZ		10/05/2011 07:06	1		CLP-1 0.53 (mm)
PIBLK 460-88313/2		10/05/2011 07:20	1		CLP-2 0.53 (mm)
PIBLK 460-88313/2		10/05/2011 07:20	1		CLP-1 0.53 (mm)
RESC 460-88313/3		10/05/2011 07:34	1		CLP-2 0.53 (mm)
RESC 460-88313/3		10/05/2011 07:34	1		CLP-1 0.53 (mm)
PEM 460-88313/4		10/05/2011 07:48	1		CLP-2 0.53 (mm)
PEM 460-88313/4		10/05/2011 07:48	1		CLP-1 0.53 (mm)
IC 460-88313/5		10/05/2011 08:02	1	xf125053.d	CLP-2 0.53 (mm)
IC 460-88313/5		10/05/2011 08:02	1	xr125053.d	CLP-1 0.53 (mm)
IC 460-88313/6		10/05/2011 08:16	1	xf125054.d	CLP-2 0.53 (mm)
IC 460-88313/6		10/05/2011 08:16	1	xr125054.d	CLP-1 0.53 (mm)
IC 460-88313/7		10/05/2011 08:29	1	xf125055.d	CLP-2 0.53 (mm)
IC 460-88313/7		10/05/2011 08:29	1	xr125055.d	CLP-1 0.53 (mm)
IC 460-88313/8		10/05/2011 08:43	1	xf125056.d	CLP-2 0.53 (mm)
IC 460-88313/8		10/05/2011 08:43	1	xr125056.d	CLP-1 0.53 (mm)
IC 460-88313/9		10/05/2011 08:57	1	xf125057.d	CLP-2 0.53 (mm)
IC 460-88313/9		10/05/2011 08:57	1	xr125057.d	CLP-1 0.53 (mm)
IC 460-88313/10		10/05/2011 09:11	1		CLP-2 0.53 (mm)
IC 460-88313/10		10/05/2011 09:11	1		CLP-1 0.53 (mm)
IC 460-88313/11		10/05/2011 09:25	1	xf125059.d	CLP-2 0.53 (mm)
IC 460-88313/11		10/05/2011 09:25	1	xr125059.d	CLP-1 0.53 (mm)
ICV 460-88313/12		10/05/2011 09:38	1		CLP-2 0.53 (mm)
ICV 460-88313/12		10/05/2011 09:38	1		CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-32010-1

SDG No.: _____

Instrument ID: PESTGC1Start Date: 10/11/2011 10:31Analysis Batch Number: 89072End Date: 10/11/2011 16:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-89072/1		10/11/2011 10:31	1	xf125268.d	CLP-2 0.53 (mm)
PIBLK 460-89072/1		10/11/2011 10:31	1	xr125268.d	CLP-1 0.53 (mm)
CCVRT 460-89072/2		10/11/2011 10:45	1	xf125269.d	CLP-2 0.53 (mm)
CCVRT 460-89072/2		10/11/2011 10:45	1	xr125269.d	CLP-1 0.53 (mm)
PEM 460-89072/3		10/11/2011 10:59	1	xf125270.d	CLP-2 0.53 (mm)
PEM 460-89072/3		10/11/2011 10:59	1	xr125270.d	CLP-1 0.53 (mm)
RESC 460-89072/4		10/11/2011 11:24	1		CLP-2 0.53 (mm)
RESC 460-89072/4		10/11/2011 11:24	1		CLP-1 0.53 (mm)
LCS 460-88637/2-A		10/11/2011 11:38	1	xf125272.d	CLP-2 0.53 (mm)
LCS 460-88637/2-A		10/11/2011 11:38	1	xr125272.d	CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 11:52	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 11:52	1		CLP-1 0.53 (mm)
460-32001-D-7-D MS		10/11/2011 12:06	1	xf125274.d	CLP-2 0.53 (mm)
460-32001-D-7-D MS		10/11/2011 12:06	1	xr125274.d	CLP-1 0.53 (mm)
460-32001-D-7-E MSD		10/11/2011 12:19	1	xf125275.d	CLP-2 0.53 (mm)
460-32001-D-7-E MSD		10/11/2011 12:19	1	xr125275.d	CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 12:33	2		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 12:33	2		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 12:48	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 12:48	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 13:01	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 13:01	1		CLP-1 0.53 (mm)
460-32001-A-7-B DU		10/11/2011 13:15	1	xf125279.d	CLP-2 0.53 (mm)
460-32001-A-7-B DU		10/11/2011 13:15	1	xr125279.d	CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 13:29	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 13:29	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 13:43	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 13:43	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 13:56	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 13:56	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 14:10	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 14:10	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 14:24	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 14:24	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 14:38	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 14:38	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 14:51	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 14:51	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 15:05	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 15:05	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 15:19	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 15:19	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 15:33	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 15:33	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 15:46	1		CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: PESTGC1 Start Date: 10/11/2011 10:31Analysis Batch Number: 89072 End Date: 10/11/2011 16:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/11/2011 15:46	1		CLP-1 0.53 (mm)
MB 460-88637/1-A		10/11/2011 16:00	1	xf125291.d	CLP-2 0.53 (mm)
MB 460-88637/1-A		10/11/2011 16:00	1	xr125291.d	CLP-1 0.53 (mm)
PIBLK 460-89072/25		10/11/2011 16:14	1	xf125292.d	CLP-2 0.53 (mm)
PIBLK 460-89072/25		10/11/2011 16:14	1	xr125292.d	CLP-1 0.53 (mm)
CCV 460-89072/26		10/11/2011 16:28	1	xf125293.d	CLP-2 0.53 (mm)
CCV 460-89072/26		10/11/2011 16:28	1	xr125293.d	CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-32010-1

SDG No.: _____

Instrument ID: PESTGC1Start Date: 10/12/2011 06:29Analysis Batch Number: 89301End Date: 10/12/2011 12:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/12/2011 06:29	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 06:29	1		CLP-1 0.53 (mm)
PIBLK 460-89301/2		10/12/2011 06:43	1	xf125352.d	CLP-2 0.53 (mm)
PIBLK 460-89301/2		10/12/2011 06:43	1	xr125352.d	CLP-1 0.53 (mm)
RESC 460-89301/3		10/12/2011 06:57	1	xf125353.d	CLP-2 0.53 (mm)
RESC 460-89301/3		10/12/2011 06:57	1	xr125353.d	CLP-1 0.53 (mm)
PEM 460-89301/4		10/12/2011 07:11	1	xf125354.d	CLP-2 0.53 (mm)
PEM 460-89301/4		10/12/2011 07:11	1	xr125354.d	CLP-1 0.53 (mm)
CCVRT 460-89301/5		10/12/2011 07:24	1	xf125355.d	CLP-2 0.53 (mm)
CCVRT 460-89301/5		10/12/2011 07:24	1	xr125355.d	CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 07:44	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 07:44	1		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 07:57	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 07:57	1		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 08:11	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 08:11	1		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 08:24	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 08:24	1		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 08:38	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 08:38	1		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 08:53	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 08:53	1		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 09:06	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 09:06	1		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 09:19	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 09:19	1		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 09:33	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 09:33	1		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 09:47	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 09:47	1		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 10:01	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 10:01	1		CLP-1 0.53 (mm)
460-32010-5	SO-17338-092811-MM-09 1	10/12/2011 10:15	1	xf125367.d	CLP-2 0.53 (mm)
460-32010-5	SO-17338-092811-MM-09 1	10/12/2011 10:15	1	xr125367.d	CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 10:28	250		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 10:28	250		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 10:42	250		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 10:42	250		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 10:56	20		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 10:56	20		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 11:10	100		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 11:10	100		CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 11:23	20		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 11:23	20		CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: PESTGC1 Start Date: 10/12/2011 06:29Analysis Batch Number: 89301 End Date: 10/12/2011 12:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/12/2011 11:37	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 11:37	1		CLP-1 0.53 (mm)
PIBLK 460-89301/24		10/12/2011 11:51	1	xf125374.d	CLP-2 0.53 (mm)
PIBLK 460-89301/24		10/12/2011 11:51	1	xr125374.d	CLP-1 0.53 (mm)
CCV 460-89301/25		10/12/2011 12:05	1	xf125375.d	CLP-2 0.53 (mm)
CCV 460-89301/25		10/12/2011 12:05	1	xr125375.d	CLP-1 0.53 (mm)
ZZZZZ		10/12/2011 12:19	1		CLP-2 0.53 (mm)
ZZZZZ		10/12/2011 12:19	1		CLP-1 0.53 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGCI.i
Analytical Batch: /chem/PESTGCI.i/8081T/rear/Oct11/10-05-11aical/05oct11a.b

Date Generated: 10/05/2011
Page 1

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
10/05/11 0706	xr125049	1	HEXANE	05oct11a	MA	15	10	1	SAMPLE	NA	88313
10/05/11 0720	xr125050	2	SGPIBLK_00007	05oct11a		15	10	1	SAMPLE		
10/05/11 0734	xr125051	3	SGRESCI_00008	05oct11a		15	10	1	SAMPLE		
10/05/11 0748	xr125052	4	SGDDT/EI_00015	05oct11a		15	10	1	SAMPLE		
10/05/11 0802	xr125053	5	SGPESTL3_00010	NA		0	0	1	CALIB_3		
10/05/11 0816	xr125054	6	SGPESTL1_00012			0	0	1	CALIB_1		
10/05/11 0829	xr125055	7	SGPESTL2_00009			0	0	1	CALIB_2		
10/05/11 0843	xr125056	8	SGPESTL4_00009			0	0	1	CALIB_4		
10/05/11 0857	xr125057	9	SGPESTL5_00009			0	0	1	CALIB_5		
10/05/11 0911	xr125058	10	SGCHORL3_00007			0	0	1	CALIB_3		
10/05/11 0925	xr125059	11	SGTOX13_00010			0	0	1	CALIB_3		
10/05/11 0938	xr125060	12	SGPTICV_00015			0	0	1	CCALIB_3		

Signed: APR Read and Understood by: S
Date: 10/05/11 Date: 10-5-11

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGCL1.i
Analytical Batch: /chem1/PESTGCL1.i/8081T/rear/Oct11/10-11-11/11oct11b.b

Date Generated: 10/12/2011

Page 1

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL	SampleType	LOT	COMMENTS
10/11/11 1031	xl125268	16	SGPIBLK_00008	11oct11a	14	15	10	1	SAMPLE	14	39072
10/11/11 1045	xl125269	17	SGPESTL3_00010	11oct11a		0	0	1	CCALIB_3	14	
10/11/11 1059	xl125270	18	SGDDT/EI_00015	11oct11b		15	10	1	SAMPLE	14	
10/11/11 1124	xl125271	19	SGRESCI_00008	11oct11b		15	10	1	SAMPLE	14	
10/11/11 1138	xl125272	20	lcs 460-88637/2-	11oct11b		15	10	1	BS	14	
10/11/11 1152	xl125273	21	460-32063-e-1-b	11oct11b		15	10	1	SAMPLE	14	px 2x
10/11/11 1206	xl125274	22	460-32001-d-7-d	11oct11b		15	10	1	SAMPLE	14	
10/11/11 1219	xl125275	23	460-32001-d-7-e	11oct11b		15	10	1	SAMPLE	14	
10/11/11 1233	xl125276	24	460-32063-e-1-b	11oct11b		15	10	2	SAMPLE	14	
10/11/11 1248	xl125277	25	460-32001-d-2-b	11oct11b		15	10	1	SAMPLE	14	
10/11/11 1301	xl125278	26	460-32001-d-6-b	11oct11b		15	10	1	SAMPLE	14	
10/11/11 1315	xl125279	27	460-32001-a-7-b	11oct11b		15	10	1	SAMPLE	14	
10/11/11 1329	xl125280	28	460-32001-d-7-f	11oct11b		15	10	1	SAMPLE	14	
10/11/11 1343	xl125281	29	460-32010-d-5-b	11oct11b		15	10	1	SAMPLE	14	px

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10/12/11
10/11/2011

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC1.i
Analytical Batch: /chem1/PESTGC1.i/8081T/rear/Oct11/10-11-11/11oct11b.b

Date Generated: 10/12/2011
Page 2

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL	FAC	SampleType	LOT	COMMENTS
10/11/11	1356	xr125282	460-32027-b-1-c	11oct11b	MA	15	10	1		1 SAMPLE	MA	G
10/11/11	1410	xr125283	460-31939-f-5-b	11oct11b		15	10	1		1 SAMPLE		G
10/11/11	1424	xr125284	460-31939-g-6-b	11oct11b		15	10	1		1 SAMPLE		MA 250x
10/11/11	1438	xr125285	460-31939-e-7-b	11oct11b		15	10	1		1 SAMPLE		MA 250x
10/11/11	1451	xr125286	460-31939-e-8-b	11oct11b		15	10	1		1 SAMPLE		G
10/11/11	1505	xr125287	460-31939-g-11-b	11oct11b		15	10	1		1 SAMPLE		MA 250x
10/11/11	1519	xr125288	460-31939-e-12-b	11oct11b		15	10	1		1 SAMPLE		MA 100x
10/11/11	1533	xr125289	460-31939-e-13-b	11oct11b		15	10	1		1 SAMPLE		MA 250x
10/11/11	1546	xr125290	460-31939-f-14-b	11oct11b		15	10	1		1 SAMPLE		G
10/11/11	1600	xr125291	mb 460-88637/1-a	11oct11b		15	10	1		1 SAMPLE		G
10/11/11	1614	xr125292	PIBLK_00008	11oct11b		15	10	1		1 SAMPLE		G
10/11/11	1628	xr125293	PESTL3_00010	MA		0	0	1		1 CCALIB_3		G confirms

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Signed:  Read and Understood by: 
Date: 10/12/11 Date: 10/12/11

11/11/2011

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC1.1
Analytical Batch: /chem/PESTGC1.1/8081T/rear/Oct11/10-12-11/12oct11a.b

Date Generated: 10/13/2011
Page 1

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL	SampleType	LOT	COMMENTS
10/12/11	0629	xr125351	1	HEXANE	12oct11a	15	10	1	SAMPLE	NA	89301
10/12/11	0643	xr125352	2	SGPIBLK_00008	12oct11a	15	10	1	SAMPLE	NA	NA
10/12/11	0657	xr125353	3	SGRESCL_00008	12oct11a	15	10	1	SAMPLE	NA	G
10/12/11	0711	xr125354	4	SGDDT/EI_00015	12oct11a	15	10	1	SAMPLE	NA	G
10/12/11	0724	xr125355	5	SGPESTIL3_00010	12oct11a	0	10	1	CCALIB_3	NA	G
10/12/11	0744	xr125356	6	460-32001-c-15-b	12oct11a	15	10	1	SAMPLE	NA	G
10/12/11	0757	xr125357	7	460-31736-c-1-c	12oct11a	15	10	1	SAMPLE	NA	G
10/12/11	0811	xr125358	8	460-31736-c-2-b	12oct11a	15	10	1	SAMPLE	NA	G
10/12/11	0824	xr125359	9	460-31736-c-16-c	12oct11a	15	10	1	SAMPLE	NA	G
10/12/11	0838	xr125360	10	460-31736-c-23-b	12oct11a	15	10	1	SAMPLE	NA	G
10/12/11	0853	xr125361	11	lcs 460-89001/2-	12oct11a	15	10	1	BS	NA	G
10/12/11	0906	xr125362	12	460-32128-d-13-g	12oct11a	15	10	1	MS	NA	G
10/12/11	0919	xr125363	13	460-32128-d-13-h	12oct11a	15	10	1	MSD	NA	G
10/12/11	0933	xr125364	14	460-32128-d-13-f	12oct11a	15	10	1	SAMPLE	NA	G

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10/13/11

10-13-11

11/2011

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC1.1
Analytical Batch: /chem1/PESTGC1.1/8081T/rear/Oct11/10-12-11/12oct11a.b

Date Generated: 10/13/2011
Page 2

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL	SampleType	LOT	COMMENTS
10/12/11	0947	xrl25365	460-32192-a-1-b	12oct11a	NA	15	10	1	SAMPLE	NA	G
10/12/11	1001	xrl25366	460-32192-a-2-b	12oct11a	1	15	10	1	SAMPLE		G
10/12/11	1015	xrl25367	460-32010-D-5-B	460-88637	10/07/11	15	10	1	SAMPLE		G
10/12/11	1028	xrl25368	460-31939-g-6-b	12oct11a	NA	15	10	250	SAMPLE		G * 100ul sample -> 400ul hexane (5x) 100ul (5x) -> 400ul hexane (25x) 100ul (5x) -> 900ul (25x)
10/12/11	1042	xrl25369	460-31939-e-7-b	12oct11a		15	10	250	SAMPLE		G * same as above
10/12/11	1056	xrl25370	460-31939-g-11-b	12oct11a		15	10	20	SAMPLE		G 50ul sample -> 950ul hexane
10/12/11	1110	xrl25371	460-31939-e-12-b	12oct11a		15	10	100	SAMPLE		G *
10/12/11	1123	xrl25372	460-31939-e-13-b	12oct11a		15	10	20	SAMPLE		G 50ul sample -> 950ul hexane
10/12/11	1137	xrl25373	mb 460-89001/1-a	12oct11a		15	10	1	SAMPLE		G
10/12/11	1151	xrl25374	SGPIBLK_00008	12oct11a		15	10	1	SAMPLE		G
10/12/11	1205	xrl25375	SGPESTL3_00010	NA		0	0	1	CCALIB_3		G
10/12/11	1219	xrl25376	SGDDT/EI_00015	12oct11a		15	10	1	SAMPLE		G

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* Serial Dilution

Signed:  Read and Understood by: 
Date: 10/13/11 Date: 10/13/11

11/11/2011

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Batch Number: 88637 Batch Start Date: 10/07/11 03:03 Batch Analyst: Alinea, Archilles RBatch Method: 3541 Batch End Date: 10/07/11 11:24

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SoxThermPosition	OP_PESTSP 00008	OPPSTPCBSU 00018	
MB 460-88637/1		3541, 8081A		15.00 g	10 mL	73		50 uL	
LCS 460-88637/2		3541, 8081A		15.00 g	10 mL	74	100 uL	50 uL	
460-32001-D-7 MS		3541, 8081A	T	15.00 g	10 mL	75	100 uL	50 uL	
460-32001-D-7 MSD		3541, 8081A	T	15.02 g	10 mL	76	100 uL	50 uL	
460-32001-A-7 DU		3541, 8081A	T	15.05 g	10 mL	3		50 uL	
460-32010-D-5	SO-17338-092811-MM-091	3541, 8081A	T	15.00 g	10 mL	6		50 uL	

Batch Notes	
Balance ID	30
Batch Comment	pest-soil
Boiling Chips ID	10013
Person's name who did the concentration	archie
First End time	141:24am
Florisil Lot #	k22551
Vendor lot number	j44e39
Na2SO4 Lot Number	k04600
Person's name who did the prep	archie
Person's name who witnessed reagent drop	jose s
Solvent	hex./ace. mixed
SOP Number	3541
First Start time	3:04am

Basis	Basis Description
T	Total/NA

Method 8082 - Delaware

Polychlorinated Biphenyls (PCBs)
(GC) by Method 8082 (Delaware)

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Matrix: Solid Level: Low
GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCB1 #	DCB2 #
SO-17338-092811-MM-091	460-32010-5	67	78
	MB 460-88999/1-A	116	117
	LCS 460-88999/2-A	118	115
	460-32001-D-7-J MS	94	97
	460-32001-D-7-K MSD	96	98
	460-32001-A-7-D DU	69	70

DCB = DCB Decachlorobiphenyl

QC LIMITS
30-150

Column to be used to flag recovery values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: vf465403.d
Lab ID: LCS 460-88999/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	333	385	115	60-144	
PCB-1260	333	368	110	63-143	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: vr465403.d
Lab ID: LCS 460-88999/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	333	370	111	60-144	
PCB-1260	333	358	107	63-143	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: vf465406.d
Lab ID: 460-32001-D-7-J MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	415	83 U	387	93	60-144	
PCB-1260	415	83 U	380	91	63-143	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: vr465406.d
Lab ID: 460-32001-D-7-J MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	415	83 U	366	88	60-144	
PCB-1260	415	83 U	372	89	63-143	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: vf465407.d
Lab ID: 460-32001-D-7-K MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
PCB-1016	416	394	95	2	30	60-144	
PCB-1260	416	379	91	0	30	63-143	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: vr465407.d
Lab ID: 460-32001-D-7-K MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
PCB-1016	416	376	90	3	30	60-144	
PCB-1260	416	370	89	0	30	63-143	

Column to be used to flag recovery and RPD values

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Lab Sample ID: MB 460-88999/1-A
Matrix: Solid Date Extracted: 10/11/2011 03:23
Lab File ID: (1) vr465402.d Lab File ID: (2) vf465402.d
Date Analyzed: (1) 10/11/2011 09:38 Date Analyzed: (2) 10/11/2011 09:38
Instrument ID: (1) PESTGC9 Instrument ID: (2) PESTGC9
GC Column: (1) CLP-1 ID: 0.53(mm) GC Column: (2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE	
		ANALYZED 1	ANALYZED 2
	LCS 460-88999/2-A	10/11/2011 09:54	10/11/2011 09:54
	460-32001-A-7-D DU	10/11/2011 10:26	10/11/2011 10:26
	460-32001-D-7-J MS	10/11/2011 10:42	10/11/2011 10:42
	460-32001-D-7-K MSD	10/11/2011 10:58	10/11/2011 10:58
SO-17338-092811-MM-091	460-32010-5	10/11/2011 12:33	10/11/2011 12:33

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Sample No.: CCVRT 460-89110/4 Date Analyzed: 10/11/2011 08:31
 Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): vf465401.d Heated Purge: (Y/N) N
 Calibration ID: 12475

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DCB		
				RT #		
CONTINUING CALIBRATION SURROGATE				11.56		
UPPER LIMIT				11.66		
LOWER LIMIT				11.46		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-89110/4		10/11/2011 08:31	vf465401.d	11.56		
MB 460-88999/1-A		10/11/2011 09:38	vf465402.d	11.58		
LCS 460-88999/2-A		10/11/2011 09:54	vf465403.d	11.56		
460-32001-A-7-D DU		10/11/2011 10:26	vf465405.d	11.55		
460-32001-D-7-J MS		10/11/2011 10:42	vf465406.d	11.55		
460-32001-D-7-K MSD		10/11/2011 10:58	vf465407.d	11.55		
460-32010-5	SO-17338-092811-MM-09 1	10/11/2011 12:33	vf465413.d	11.56		
CCV 460-89110/22		10/11/2011 14:40	vf465421.d	11.55		

DCB = DCB Decachlorobiphenyl

DCB RT Limit = $\pm$ 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Sample No.: CCVRT 460-89110/4 Date Analyzed: 10/11/2011 08:31
 Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm)
 Lab File ID (Standard): vr465401.d Heated Purge: (Y/N) N
 Calibration ID: 12467

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DCB		
				RT #		
CONTINUING CALIBRATION SURROGATE				10.63		
UPPER LIMIT				10.73		
LOWER LIMIT				10.53		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-89110/4		10/11/2011 08:31	vr465401.d	10.63		
MB 460-88999/1-A		10/11/2011 09:38	vr465402.d	10.64		
LCS 460-88999/2-A		10/11/2011 09:54	vr465403.d	10.63		
460-32001-A-7-D DU		10/11/2011 10:26	vr465405.d	10.63		
460-32001-D-7-J MS		10/11/2011 10:42	vr465406.d	10.63		
460-32001-D-7-K MSD		10/11/2011 10:58	vr465407.d	10.63		
460-32010-5	SO-17338-092811-MM-09 1	10/11/2011 12:33	vr465413.d	10.63		
CCV 460-89110/22		10/11/2011 14:40	vr465421.d	10.63		

DCB = DCB Decachlorobiphenyl

DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-88999/2-A

Instrument ID (1): PESTGC9 Instrument ID (2): PESTGC9

Date Analyzed (1): 10/11/2011 09:54 Date Analyzed (2): 10/11/2011 09:54

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.10	2.03	2.17	372	370	3.9
		2	2.54	2.47	2.61	375		
		3	2.79	2.72	2.86	393		
		4	3.15	3.07	3.21	380		
		5	3.35	3.28	3.42	397		
		6	3.70	3.62	3.76	384		
		7	4.06	3.98	4.12	378		
		8	4.20	4.13	4.27	280		
	2	1	2.97	2.90	3.04	389	385	
		2	3.66	3.59	3.73	386		
		3	4.10	4.03	4.17	406		
		4	4.51	4.43	4.57	379		
		5	4.75	4.68	4.82	396		
		6	5.18	5.11	5.25	388		
		7	5.57	5.50	5.64	382		
		8	5.78	5.71	5.85	351		
PCB-1260	1	1	6.08	6.01	6.15	385	358	2.8
		2	6.54	6.47	6.61	368		
		3	6.98	6.91	7.05	355		
		4	7.18	7.11	7.25	349		
		5	7.61	7.54	7.68	362		
		6	8.91	8.84	8.98	382		
		7	9.13	9.06	9.20	307		
		8	10.17	10.10	10.24	353		
	2	1	7.48	7.41	7.55	374	368	
		2	7.80	7.72	7.86	378		
		3	8.26	8.19	8.33	381		
		4	9.38	9.31	9.45	377		
		5	9.50	9.43	9.57	364		
		6	9.95	9.87	10.01	380		
		7	10.64	10.57	10.71	352		
		8	11.12	11.04	11.18	338		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 460-32001-D-7-J MS

Instrument ID (1): PESTGC9 Instrument ID (2): PESTGC9

Date Analyzed (1): 10/11/2011 10:42 Date Analyzed (2): 10/11/2011 10:42

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.10	2.03	2.17	340	366	5.7
		2	2.54	2.47	2.61	365		
		3	2.79	2.72	2.86	323		
		4	3.15	3.07	3.21	376		
		5	3.35	3.28	3.42	384		
		6	3.70	3.62	3.76	382		
		7	4.06	3.98	4.12	373		
		8	4.20	4.13	4.27	382		
	2	1	2.97	2.90	3.04	373	387	
		2	3.66	3.59	3.73	398		
		3	4.10	4.03	4.17	389		
		4	4.51	4.43	4.57	390		
		5	4.75	4.68	4.82	404		
		6	5.18	5.11	5.25	404		
		7	5.57	5.50	5.64	396		
		8	5.78	5.71	5.85	343		
PCB-1260	1	1	6.08	6.01	6.15	374	372	2.2
		2	6.53	6.47	6.61	377		
		3	6.98	6.91	7.05	372		
		4	7.18	7.11	7.25	373		
		5	7.61	7.54	7.68	388		
		6	8.90	8.84	8.98	418		
		7	9.12	9.06	9.20	316		
		8	10.16	10.10	10.24	354		
	2	1	7.48	7.41	7.55	378	380	
		2	7.79	7.72	7.86	385		
		3	8.26	8.19	8.33	391		
		4	9.38	9.31	9.45	385		
		5	9.50	9.43	9.57	363		
		6	9.94	9.87	10.01	388		
		7	10.64	10.57	10.71	397		
		8	11.11	11.04	11.18	354		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-32001-D-7-K MSD
 Instrument ID (1): PESTGC9 Instrument ID (2): PESTGC9
 Date Analyzed (1): 10/11/2011 10:58 Date Analyzed (2): 10/11/2011 10:58
 GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.10	2.03	2.17	375	376	4.7
		2	2.54	2.47	2.61	377		
		3	2.79	2.72	2.86	341		
		4	3.15	3.07	3.21	383		
		5	3.35	3.28	3.42	393		
		6	3.70	3.62	3.76	376		
		7	4.06	3.98	4.12	377		
		8	4.21	4.13	4.27	385		
	2	1	2.98	2.90	3.04	388	394	
		2	3.66	3.59	3.73	408		
		3	4.10	4.03	4.17	408		
		4	4.51	4.43	4.57	395		
		5	4.75	4.68	4.82	408		
		6	5.18	5.11	5.25	402		
		7	5.57	5.50	5.64	395		
		8	5.78	5.71	5.85	345		
PCB-1260	1	1	6.08	6.01	6.15	373	370	2.4
		2	6.54	6.47	6.61	377		
		3	6.98	6.91	7.05	369		
		4	7.18	7.11	7.25	374		
		5	7.61	7.54	7.68	384		
		6	8.91	8.84	8.98	414		
		7	9.13	9.06	9.20	316		
		8	10.17	10.10	10.24	355		
	2	1	7.48	7.41	7.55	377	379	
		2	7.80	7.72	7.86	385		
		3	8.26	8.19	8.33	391		
		4	9.38	9.31	9.45	385		
		5	9.50	9.43	9.57	362		
		6	9.94	9.87	10.01	385		
		7	10.64	10.57	10.71	400		
		8	11.11	11.04	11.18	350		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Client Sample ID: SO-17338-092811-MM-091 Lab Sample ID: 460-32010-5
Matrix: Solid Lab File ID: vf465413.d
Analysis Method: 8082 Date Collected: 09/28/2011 11:40
Extraction Method: 3541 Date Extracted: 10/11/2011 03:23
Sample wt/vol: 15.03(g) Date Analyzed: 10/11/2011 12:33
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: _____ GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 20.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 89110 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	78		30-150

Data File: vf465413.d
Report Date: 11-Oct-2011 15:51

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/vf465413.d
Lab Smp Id: 460-32010-D-5-E Client Smp ID: SO-17338-092811-MM-
Inj Date : 11-OCT-2011 12:33
Operator : 615 Inst ID: PESTGC9.i
Smp Info : 460-32010-D-5-E
Misc Info : 460-32010-D-5-E
Comment :
Method : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/08Vf8082.m
Meth Date : 11-Oct-2011 15:44 shanthi Quant Type: ESTD
Cal Date : 29-SEP-2011 15:10 Cal File: vf464924.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AllPCB.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.03000	Weight of sample extracted (g)
M	20.56893	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)			CAS #: 2051-24-3			
11.555	11.552	0.003	3651430	38.8357	32 80.00- 120.00	100.00

Data File: vf465413.d

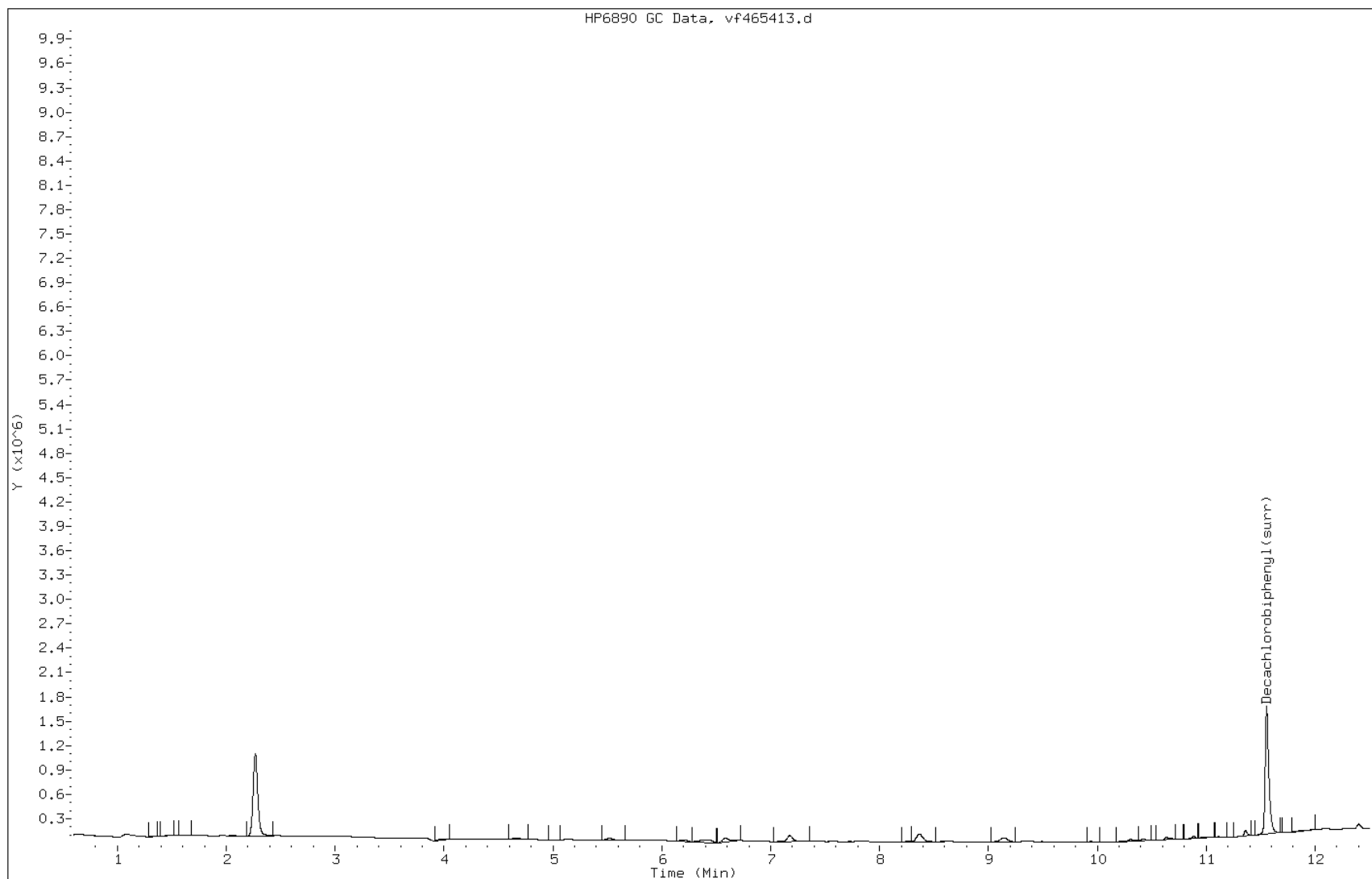
Date: 11-OCT-2011 12:33

Client ID: S0-17338-092811-MM-

Instrument: PESTGC9.i

Sample Info: 460-32010-D-5-E

Operator: 615



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: SO-17338-092811-MM-091 Lab Sample ID: 460-32010-5
 Matrix: Solid Lab File ID: vr465413.d
 Analysis Method: 8082 Date Collected: 09/28/2011 11:40
 Extraction Method: 3541 Date Extracted: 10/11/2011 03:23
 Sample wt/vol: 15.03(g) Date Analyzed: 10/11/2011 12:33
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 20.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89110 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	84	U	84	16
11104-28-2	PCB-1221	84	U	84	25
11141-16-5	PCB-1232	84	U	84	48
53469-21-9	PCB-1242	84	U	84	16
12672-29-6	PCB-1248	84	U	84	22
11097-69-1	PCB-1254	84	U	84	29
11096-82-5	PCB-1260	84	U	84	9.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	67		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/vr465413.d
Lab Smp Id: 460-32010-D-5-E Client Smp ID: SO-17338-092811-MM-
Inj Date : 11-OCT-2011 12:33
Operator : 615 Inst ID: PESTGC9.i
Smp Info : 460-32010-D-5-E
Misc Info : 460-32010-D-5-E
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/08Vr8082.m
Meth Date : 11-Oct-2011 15:34 shanthi Quant Type: ESTD
Cal Date : 29-SEP-2011 15:10 Cal File: vr464924.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AllPCB.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.03000	Weight of sample extracted (g)
M	20.56893	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr) CAS #: 2051-24-3						
10.630	10.632	-0.002	4980741	33.4133	28 80.00- 120.00	100.00

Data File: vr465413.d

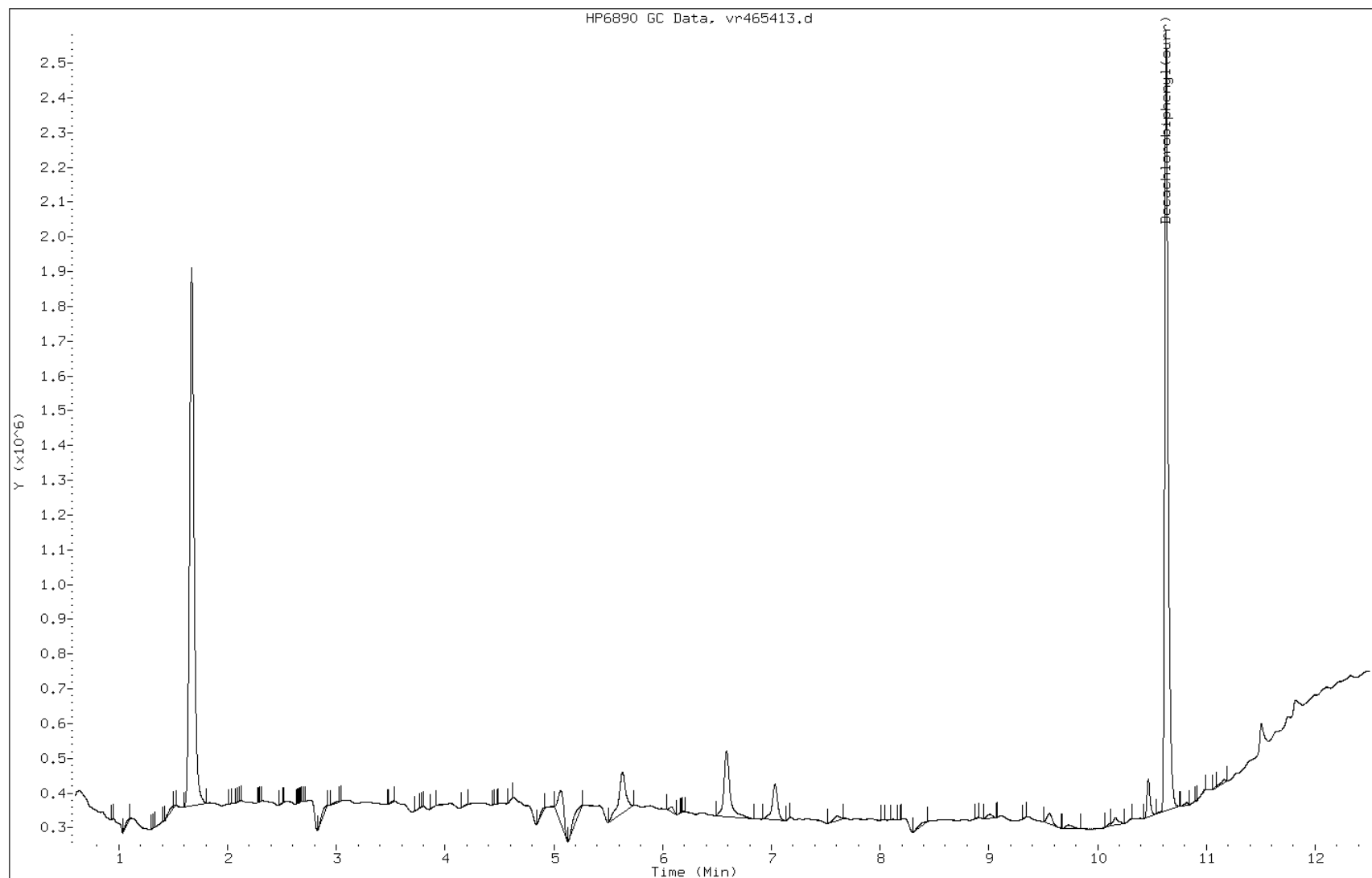
Date: 11-OCT-2011 12:33

Client ID: S0-17338-092811-MM-

Instrument: PESTGC9.i

Sample Info: 460-32010-D-5-E

Operator: 615



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 12:19 Calibration End Date: 09/29/2011 13:21 Calibration ID: 12475

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/6	vf464913.d
Level 2	IC 460-87766/7	vf464914.d
Level 3	IC 460-87766/8	vf464915.d
Level 4	IC 460-87766/9	vf464916.d
Level 5	IC 460-87766/10	vf464917.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	2.968	2.966	2.965	2.963	2.967						2.895 - 3.035	2.966
PCB-1016 Peak 2	3.656	3.652	3.652	3.649	3.655						3.582 - 3.722	3.653
PCB-1016 Peak 3	4.101	4.097	4.097	4.094	4.098						4.027 - 4.167	4.097
PCB-1016 Peak 4	4.501	4.499	4.497	4.495	4.499						4.427 - 4.567	4.498
PCB-1016 Peak 5	4.746	4.744	4.742	4.741	4.744						4.672 - 4.812	4.744
PCB-1016 Peak 6	5.183	5.181	5.179	5.179	5.182						5.109 - 5.249	5.181
PCB-1016 Peak 7	5.571	5.569	5.567	5.567	5.570						5.497 - 5.637	5.569
PCB-1016 Peak 8	5.781	5.779	5.778	5.778	5.780						5.708 - 5.848	5.779
PCB-1260 Peak 1	7.487	7.487	7.484	7.484	7.485						7.414 - 7.554	7.486
PCB-1260 Peak 2	7.804	7.801	7.798	7.799	7.800						7.728 - 7.868	7.801
PCB-1260 Peak 3	8.274	8.272	8.267	8.267	8.267						8.197 - 8.337	8.269
PCB-1260 Peak 4	9.391	9.391	9.386	9.388	9.388						9.316 - 9.456	9.389
PCB-1260 Peak 5	9.511	9.510	9.506	9.507	9.507						9.436 - 9.576	9.508
PCB-1260 Peak 6	9.952	9.951	9.948	9.949	9.950						9.878 - 10.018	9.950
PCB-1260 Peak 7	10.648	10.648	10.647	10.645	10.645						10.577 - 10.717	10.647
PCB-1260 Peak 8	11.116	11.116	11.118	11.114	11.114						11.048 - 11.188	11.116
DCB Decachlorobiphenyl	11.551	11.549	11.554	11.548	11.545						11.454 - 11.654	11.549

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 12:19 Calibration End Date: 09/29/2011 13:21 Calibration ID: 12475

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/6	vf464913.d
Level 2	IC 460-87766/7	vf464914.d
Level 3	IC 460-87766/8	vf464915.d
Level 4	IC 460-87766/9	vf464916.d
Level 5	IC 460-87766/10	vf464917.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	2538.0 2183.2	2640.6	2436.3	2428.9	Ave		2445.38841				7.0		20.0			
PCB-1016 Peak 2	4575.9 4760.6	5765.1	5269.0	5108.4	Ave		5095.79155				9.1		20.0			
PCB-1016 Peak 3	2015.6 2116.0	2493.4	2314.6	2253.6	Ave		2238.62841				8.2		20.0			
PCB-1016 Peak 4	10497 9092.1	11191	10001	9776.9	Ave		10111.6956				7.8		20.0			
PCB-1016 Peak 5	4312.3 4236.8	5263.5	4691.5	4561.1	Ave		4613.03639				8.8		20.0			
PCB-1016 Peak 6	3011.0 2456.2	3151.2	2746.8	2659.5	Ave		2804.95456				9.9		20.0			
PCB-1016 Peak 7	3563.1 2869.2	3602.1	3228.3	3214.2	Ave		3295.35624				9.1		20.0			
PCB-1016 Peak 8	3665.6 3145.3	3664.3	3280.1	3398.0	Ave		3430.64316				6.8		20.0			
PCB-1260 Peak 1	3942.7 3371.9	3949.7	3904.1	3595.3	Ave		3752.73553				6.9		20.0			
PCB-1260 Peak 2	8119.6 6716.3	7989.1	7699.4	7150.5	Ave		7534.95217				7.8		20.0			
PCB-1260 Peak 3	9388.0 8164.0	9276.0	9268.1	8668.5	Ave		8952.90855				5.8		20.0			
PCB-1260 Peak 4	6452.1 5919.6	7071.1	6803.4	6325.9	Ave		6514.44595				6.8		20.0			
PCB-1260 Peak 5	3309.1 3317.8	3822.4	3724.9	3499.2	Ave		3534.67944				6.6		20.0			
PCB-1260 Peak 6	5499.9 5485.1	6236.4	6159.1	5826.7	Ave		5841.43645				6.1		20.0			
PCB-1260 Peak 7	7211.1 6685.0	7799.7	7708.7	7248.2	Ave		7330.54127				6.1		20.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 12:19 Calibration End Date: 09/29/2011 13:21 Calibration ID: 12475

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1260 Peak 8	3302.2 2894.4	3246.7	3253.1	2970.3	Ave		3133.32176				6.0		20.0			
DCB Decachlorobiphenyl	95172 84171	106040	94418	90312	Ave		94022.5470				8.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 12:19 Calibration End Date: 09/29/2011 13:21 Calibration ID: 12475

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/6	vf464913.d
Level 2	IC 460-87766/7	vf464914.d
Level 3	IC 460-87766/8	vf464915.d
Level 4	IC 460-87766/9	vf464916.d
Level 5	IC 460-87766/10	vf464917.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	253802	1320281	2436325	3643306	5457911	100	500	1000	1500	2500
PCB-1016 Peak 2	Ave	457590	2882559	5268996	7662560	11901426	100	500	1000	1500	2500
PCB-1016 Peak 3	Ave	201560	1246712	2314551	3380425	5289876	100	500	1000	1500	2500
PCB-1016 Peak 4	Ave	1049718	5595732	10000889	14665308	22730183	100	500	1000	1500	2500
PCB-1016 Peak 5	Ave	431225	2631742	4691489	6841685	10592089	100	500	1000	1500	2500
PCB-1016 Peak 6	Ave	301102	1575613	2746808	3989229	6140582	100	500	1000	1500	2500
PCB-1016 Peak 7	Ave	356309	1801050	3228284	4821231	7172883	100	500	1000	1500	2500
PCB-1016 Peak 8	Ave	366556	1832152	3280083	5096946	7863262	100	500	1000	1500	2500
PCB-1260 Peak 1	Ave	394273	1974852	3904093	5392915	8429685	100	500	1000	1500	2500
PCB-1260 Peak 2	Ave	811962	3994525	7699351	10725679	16790718	100	500	1000	1500	2500
PCB-1260 Peak 3	Ave	938801	4638010	9268093	13002701	20409881	100	500	1000	1500	2500
PCB-1260 Peak 4	Ave	645213	3535538	6803444	9488921	14799081	100	500	1000	1500	2500
PCB-1260 Peak 5	Ave	330913	1911206	3724916	5248758	8294418	100	500	1000	1500	2500
PCB-1260 Peak 6	Ave	549989	3118215	6159056	8740078	13712719	100	500	1000	1500	2500
PCB-1260 Peak 7	Ave	721107	3899851	7708745	10872314	16712450	100	500	1000	1500	2500
PCB-1260 Peak 8	Ave	330215	1623331	3253106	4455405	7236052	100	500	1000	1500	2500
DCB Decachlorobiphenyl	Ave	2379304	5301997	9441793	13546740	16834221	25.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

Data File: vf464913.d
Report Date: 29-Sep-2011 15:51

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/vf464913.d
Lab Smp Id: IC-SG1660L1_00010
Inj Date : 29-SEP-2011 12:19
Operator : 615
Smp Info : IC-SG1660L1_00010
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/08Vf8082.m
Meth Date : 29-Sep-2011 15:51 shanthi Quant Type: ESTD
Cal Date : 29-SEP-2011 12:19 Cal File: vf464913.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR16600S.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
			CAL - AMT		ON - COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
21 Aroclor-1016					CAS #: 12674-11-2				
2.968	2.965	0.003	253802	100.000	100	80.00-	120.00	100.00(M)	
3.656	3.652	0.004	457590	100.000	90	144.24-	216.35	180.29	
4.101	4.097	0.004	201560	100.000	90	63.53-	95.30	79.42	
4.501	4.497	0.004	1049718	100.000	100	330.88-	496.32	413.60	
4.746	4.742	0.004	431225	100.000	93	135.92-	203.89	169.91	
5.183	5.179	0.004	301102	100.000	110	94.91-	142.36	118.64	
5.571	5.567	0.004	356309	100.000	110	112.31-	168.47	140.39	
5.781	5.778	0.003	366556	100.000	110	115.54-	173.31	144.43	
Average of Peak Amounts =					100				

27 Aroclor-1260					CAS #: 11096-82-5				
7.487	7.484	0.003	394273	100.000	100	80.00-	120.00	100.00(M)	

Data File: vf464913.d
 Report Date: 29-Sep-2011 15:51

AMOUNTS									
			CAL - AMT		ON - COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
7.804	7.798	0.006	811962	100.000	110	164.75-	247.13	205.94	
8.274	8.267	0.007	938801	100.000	100	190.49-	285.73	238.11	
9.391	9.386	0.005	645213	100.000	99	130.92-	196.38	163.65	
9.511	9.506	0.005	330913	100.000	94	67.14-	100.72	83.93	
9.952	9.948	0.004	549989	100.000	94	111.60-	167.39	139.49	
10.648	10.647	0.001	721107	100.000	98	146.32-	219.47	182.90	
11.116	11.118	-0.002	330215	100.000	100	67.00-	100.50	83.75	
Average of Peak Amounts =					101				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.551	11.554	-0.003	2379304	25.0000	25	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vf464913.d

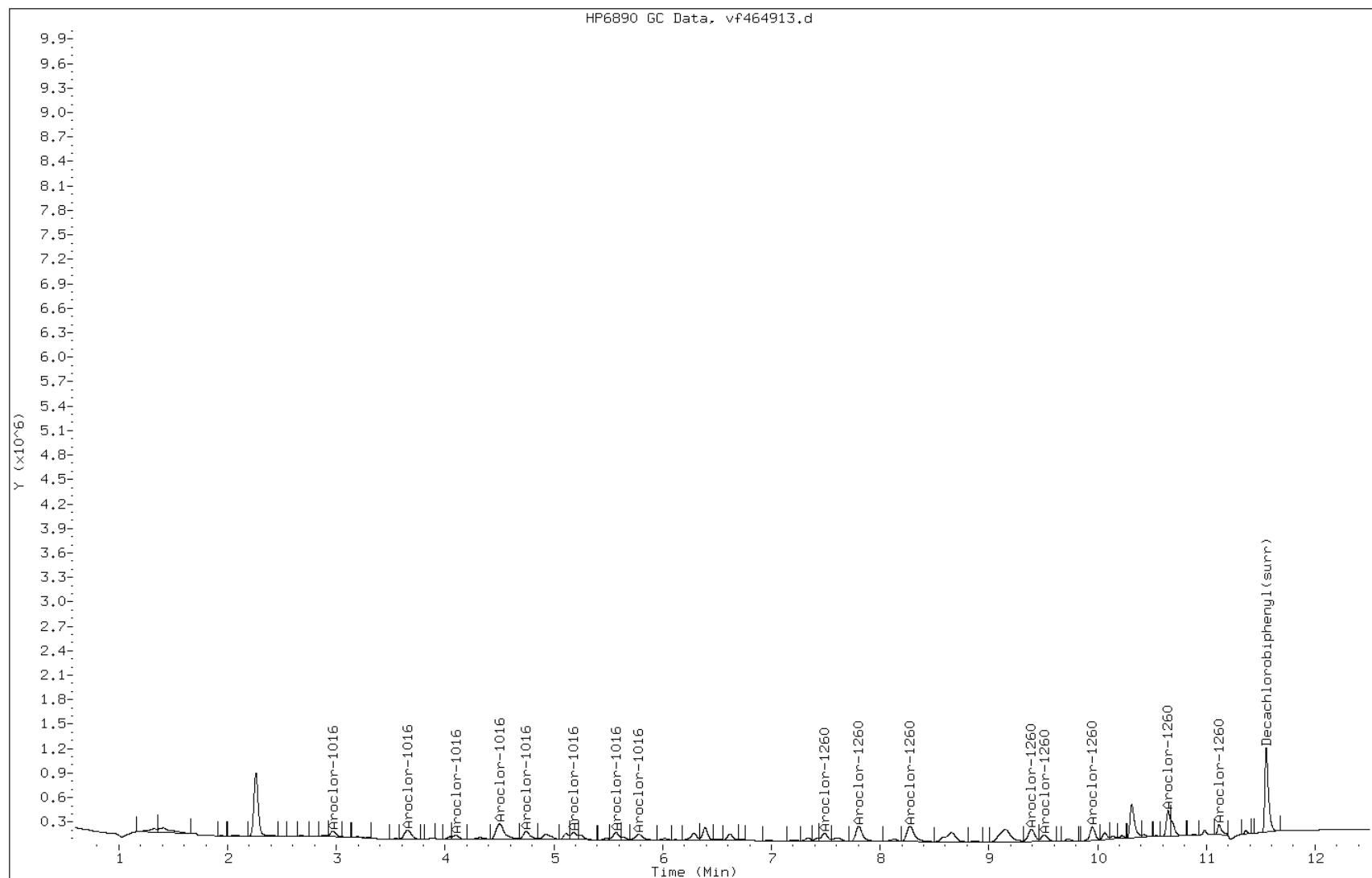
Date: 29-SEP-2011 12:19

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1660L1_00010

Operator: 615



Data File: vf464914.d
Report Date: 29-Sep-2011 15:51

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/vf464914.d
Lab Smp Id: IC-SG1660L2_00010
Inj Date : 29-SEP-2011 12:34
Operator : 615
Smp Info : IC-SG1660L2_00010
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/08Vf8082.m
Meth Date : 29-Sep-2011 15:51 shanthi Quant Type: ESTD
Cal Date : 29-SEP-2011 12:34 Cal File: vf464914.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR16600S.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
			CAL - AMT		ON - COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
21 Aroclor-1016					CAS #: 12674-11-2				
2.966	2.965	0.001	1320281	500.000	540	80.00-	120.00	100.00(M)	
3.652	3.652	0.000	2882559	500.000	560	174.66-	262.00	218.33	
4.097	4.097	0.000	1246712	500.000	560	75.54-	113.31	94.43	
4.499	4.497	0.002	5595732	500.000	550	339.06-	508.59	423.83	
4.744	4.742	0.002	2631742	500.000	570	159.47-	239.20	199.33	
5.181	5.179	0.002	1575613	500.000	560	95.47-	143.21	119.34	
5.569	5.567	0.002	1801050	500.000	550	109.13-	163.70	136.41	
5.779	5.778	0.001	1832152	500.000	530	111.02-	166.52	138.77	
Average of Peak Amounts =					554				

27 Aroclor-1260					CAS #: 11096-82-5				
7.487	7.484	0.003	1974852	500.000	530	80.00-	120.00	100.00(M)	

Data File: vf464914.d
 Report Date: 29-Sep-2011 15:51

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
7.801	7.798	0.003	3994525	500.000	530	161.82-	242.72	202.27	
8.272	8.267	0.005	4638010	500.000	520	187.88-	281.82	234.85	
9.391	9.386	0.005	3535538	500.000	540	143.22-	214.83	179.03	
9.510	9.506	0.004	1911206	500.000	540	77.42-	116.13	96.78	
9.951	9.948	0.003	3118215	500.000	530	126.32-	189.48	157.90	
10.648	10.647	0.001	3899851	500.000	530	157.98-	236.97	197.48	
11.116	11.118	-0.002	1623331	500.000	520	65.76-	98.64	82.20	
Average of Peak Amounts =					530				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.549	11.554	-0.005	5301997	50.0000	56	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vf464914.d

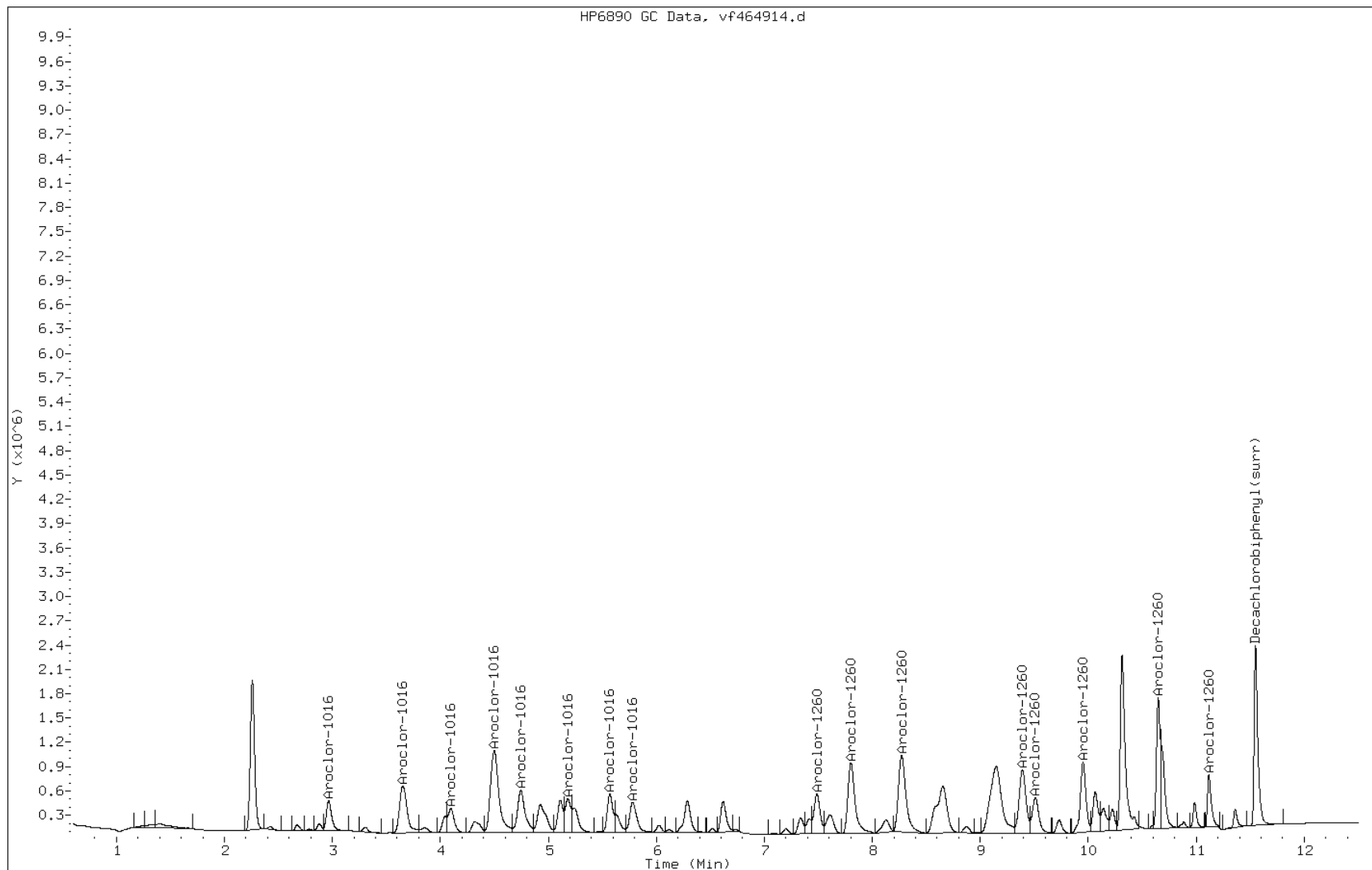
Date: 29-SEP-2011 12:34

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1660L2_00010

Operator: 615



Data File: vf464915.d
Report Date: 29-Sep-2011 15:51

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/vf464915.d
Lab Smp Id: IC-SG1660L3_00013
Inj Date : 29-SEP-2011 12:50
Operator : 615
Smp Info : IC-SG1660L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/08Vf8082.m
Meth Date : 29-Sep-2011 15:51 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf464924.d
Calibration Sample, Level: 3
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL -AMT		ON -COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.965	2.965	0.000	2436325	1000.00	1000	80.00-	120.00	100.00(M)
3.652	3.652	0.000	5268996	1000.00	1000	173.01-	259.52	216.27
4.097	4.097	0.000	2314551	1000.00	1000	76.00-	114.00	95.00
4.497	4.497	0.000	10000889	1000.00	990	328.39-	492.59	410.49
4.742	4.742	0.000	4691489	1000.00	1000	154.05-	231.08	192.56
5.179	5.179	0.000	2746808	1000.00	980	90.20-	135.29	112.74
5.567	5.567	0.000	3228284	1000.00	980	106.01-	159.01	132.51
5.778	5.778	0.000	3280083	1000.00	960	107.71-	161.56	134.63
Average of Peak Amounts =					998			

27 Aroclor-1260					CAS #: 11096-82-5			
7.484	7.484	0.000	3904093	1000.00	1000	80.00-	120.00	100.00(M)

Data File: vf464915.d
 Report Date: 29-Sep-2011 15:51

AMOUNTS								
RT	EXP RT	DLT RT	CAL - AMT		ON - COL	TARGET RANGE	RATIO	
			RESPONSE (ug/L)	(ug/L)	(ug/L)			
==	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)								
7.798	7.798	0.000	7699351	1000.00	1000	157.77- 236.65	197.21	
8.267	8.267	0.000	9268093	1000.00	1000	189.92- 284.87	237.39	
9.386	9.386	0.000	6803444	1000.00	1000	139.41- 209.12	174.26	
9.506	9.506	0.000	3724916	1000.00	1000	76.33- 114.49	95.41	
9.948	9.948	0.000	6159056	1000.00	1000	126.21- 189.31	157.76	
10.647	10.647	0.000	7708745	1000.00	1000	157.96- 236.94	197.45	
11.118	11.118	0.000	3253106	1000.00	1000	66.66- 99.99	83.33	
Average of Peak Amounts =					1.04e+03			

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3			
11.554	11.554	0.000	9441793	100.000	100	80.00- 120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vf464915.d

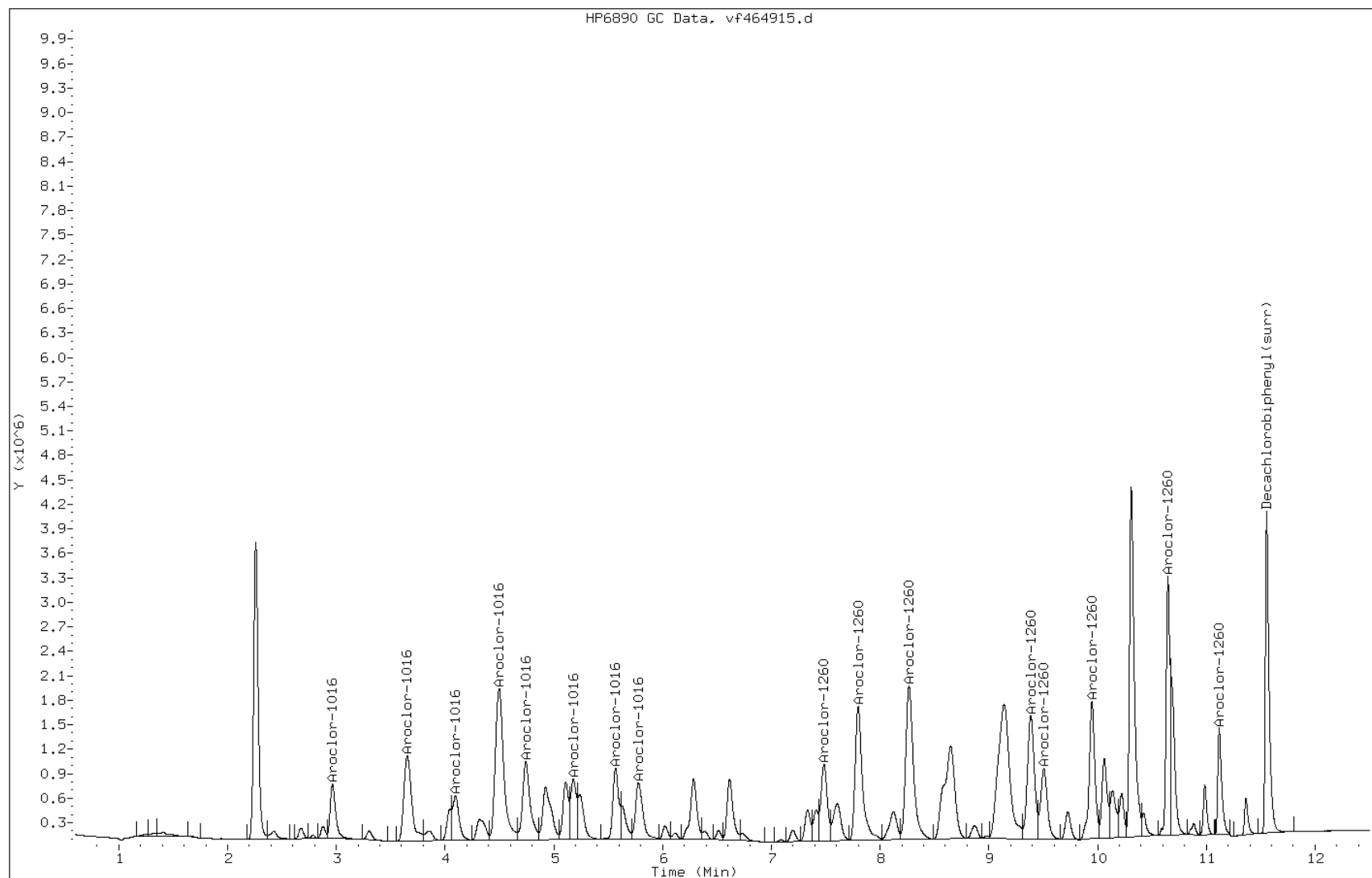
Date: 29-SEP-2011 12:50

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1660L3_00013

Operator: 615



Data File: vf464916.d
Report Date: 29-Sep-2011 15:52

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/vf464916.d
Lab Smp Id: IC-SG1660L4_00010
Inj Date : 29-SEP-2011 13:06
Operator : 615
Smp Info : IC-SG1660L4_00010
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/08Vf8082.m
Meth Date : 29-Sep-2011 15:52 shanthi
Cal Date : 29-SEP-2011 13:06
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf464916.d
Calibration Sample, Level: 4
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		AMOUNTS							
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====		=====	
21 Aroclor-1016			CAS #: 12674-11-2						
2.963	2.965	-0.002	3643306 1500.00	1500	80.00- 120.00	100.00(M)			
3.649	3.652	-0.003	7662560 1500.00	1500	168.26- 252.38	210.32			
4.094	4.097	-0.003	3380425 1500.00	1500	74.23- 111.34	92.78			
4.495	4.497	-0.002	14665308 1500.00	1400	322.02- 483.03	402.53			
4.741	4.742	-0.001	6841685 1500.00	1500	150.23- 225.35	187.79			
5.178	5.179	-0.001	3989229 1500.00	1400	87.60- 131.39	109.49			
5.567	5.567	0.000	4821231 1500.00	1500	105.86- 158.80	132.33			
5.778	5.778	0.000	5096946 1500.00	1500	111.92- 167.88	139.90			
Average of Peak Amounts =			1.48e+03						

27 Aroclor-1260			CAS #: 11096-82-5						
7.484	7.484	0.000	5392915 1500.00	1400	80.00- 120.00	100.00(M)			

Data File: vf464916.d
 Report Date: 29-Sep-2011 15:52

AMOUNTS									
RT	EXP RT	DLT RT	CAL-AMT		ON-COL	TARGET RANGE	RATIO		
			RESPONSE	(ug/L)	(ug/L)				
==	=====	=====	=====	=====	=====	=====	=====		
27 Aroclor-1260 (continued)									
7.799	7.798	0.001	10725679	1500.00	1400	159.11-	238.66	198.88	
8.267	8.267	0.000	13002701	1500.00	1400	192.89-	289.33	241.11	
9.388	9.386	0.002	9488921	1500.00	1400	140.76-	211.14	175.95	
9.507	9.506	0.001	5248758	1500.00	1500	77.86-	116.79	97.33	
9.949	9.948	0.001	8740078	1500.00	1500	129.65-	194.48	162.07	
10.645	10.647	-0.002	10872314	1500.00	1500	161.28-	241.92	201.60	
11.114	11.118	-0.004	4455405	1500.00	1400	66.09-	99.14	82.62	
Average of Peak Amounts =					1.46e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.548	11.554	-0.006	13546740	150.000	140	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vf464916.d

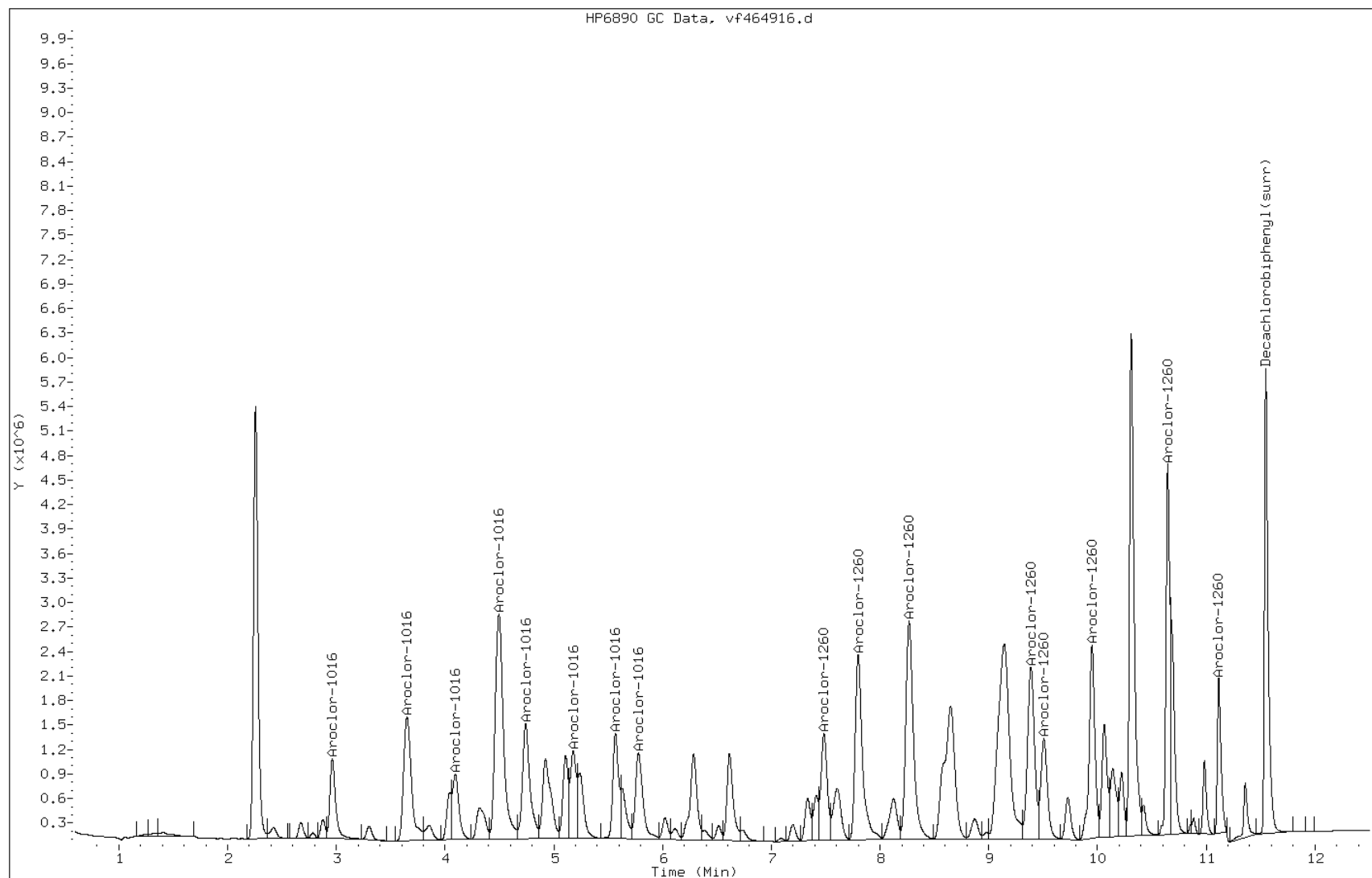
Date: 29-SEP-2011 13:06

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1660L4_00010

Operator: 615



Data File: vf464917.d
Report Date: 29-Sep-2011 15:52

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/vf464917.d
Lab Smp Id: IC-SG1660L5_00010
Inj Date : 29-SEP-2011 13:21
Operator : 615
Smp Info : IC-SG1660L5_00010
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/08Vf8082.m
Meth Date : 29-Sep-2011 15:52 shanthi
Cal Date : 29-SEP-2011 13:21
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf464917.d
Calibration Sample, Level: 5
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		AMOUNTS							
		CAL - AMT		ON - COL					
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016			CAS #: 12674-11-2						
2.967	2.965	0.002	5457911	2500.00	2200	80.00-	120.00	100.00(M)	
3.655	3.652	0.003	11901426	2500.00	2300	174.45-	261.67	218.06	
4.098	4.097	0.001	5289876	2500.00	2400	77.54-	116.31	96.92	
4.499	4.497	0.002	22730183	2500.00	2200	333.17-	499.76	416.46	
4.744	4.742	0.002	10592089	2500.00	2300	155.25-	232.88	194.07	
5.182	5.179	0.003	6140582	2500.00	2200	90.01-	135.01	112.51	
5.570	5.567	0.003	7172883	2500.00	2200	105.14-	157.71	131.42	
5.780	5.778	0.002	7863262	2500.00	2300	115.26-	172.89	144.07	
Average of Peak Amounts =			2.27e+03						

27 Aroclor-1260			CAS #: 11096-82-5						
7.485	7.484	0.001	8429685	2500.00	2200	80.00-	120.00	100.00(M)	

Data File: vf464917.d
 Report Date: 29-Sep-2011 15:52

AMOUNTS									
			CAL -AMT		ON -COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
7.800	7.798	0.002	16790718	2500.00	2200	159.35-	239.02	199.19	
8.267	8.267	0.000	20409881	2500.00	2300	193.70-	290.54	242.12	
9.388	9.386	0.002	14799081	2500.00	2300	140.45-	210.67	175.56	
9.507	9.506	0.001	8294418	2500.00	2300	78.72-	118.07	98.40	
9.950	9.948	0.002	13712719	2500.00	2300	130.14-	195.21	162.67	
10.645	10.647	-0.002	16712450	2500.00	2300	158.61-	237.91	198.26	
11.114	11.118	-0.004	7236052	2500.00	2300	68.67-	103.01	85.84	
Average of Peak Amounts =					2.29e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.545	11.554	-0.009	16834221	200.000	180	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vf464917.d

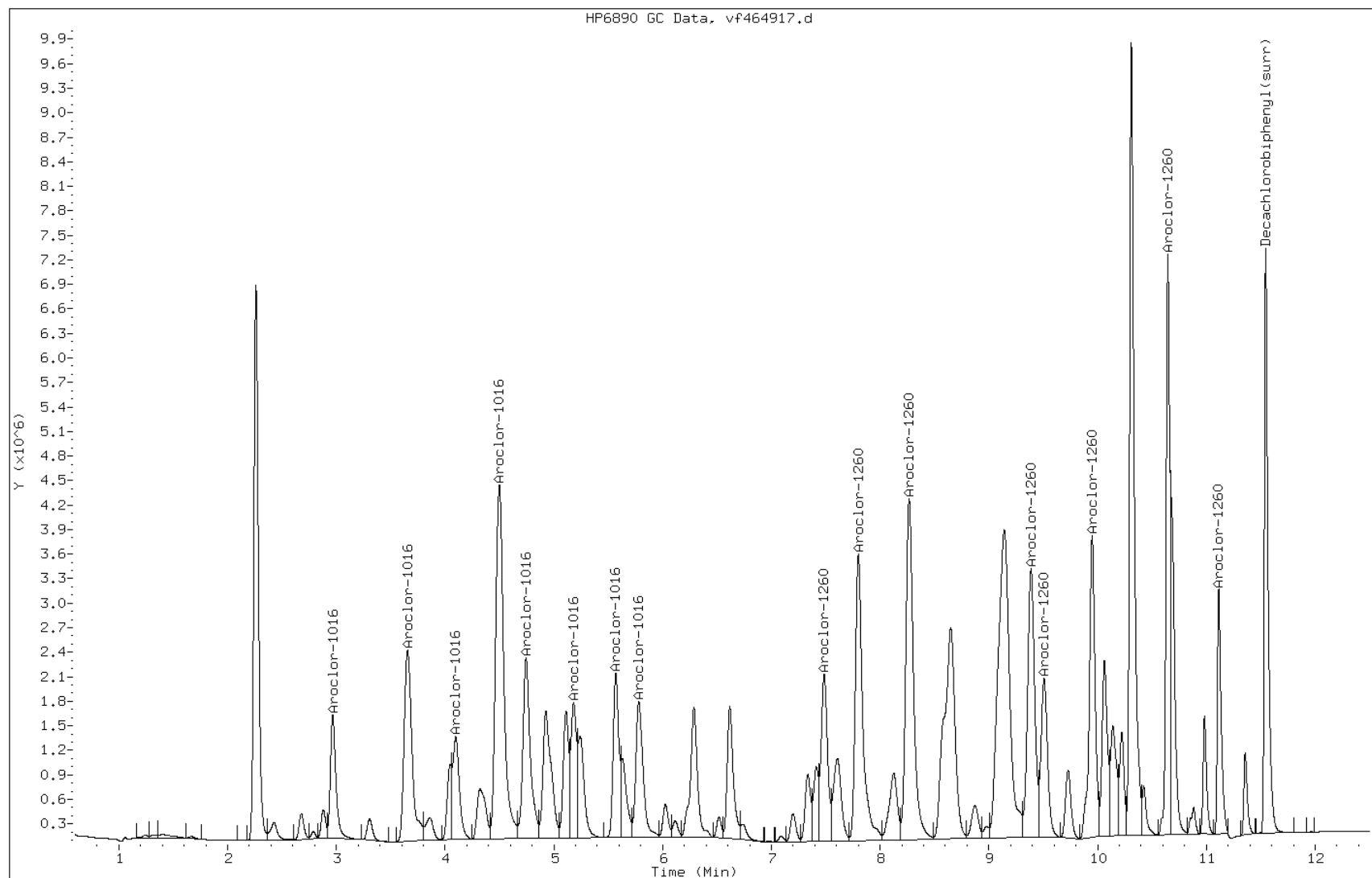
Date: 29-SEP-2011 13:21

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1660L5_00010

Operator: 615



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 12:19 Calibration End Date: 09/29/2011 13:21 Calibration ID: 12467

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/6	vr464913.d
Level 2	IC 460-87766/7	vr464914.d
Level 3	IC 460-87766/8	vr464915.d
Level 4	IC 460-87766/9	vr464916.d
Level 5	IC 460-87766/10	vr464917.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	2.097	2.096	2.095	2.094	2.095						2.025 - 2.165	2.096
PCB-1016 Peak 2	2.536	2.534	2.534	2.534	2.535						2.464 - 2.604	2.535
PCB-1016 Peak 3	2.788	2.786	2.785	2.784	2.785						2.715 - 2.855	2.786
PCB-1016 Peak 4	3.148	3.143	3.142	3.139	3.142						3.072 - 3.212	3.143
PCB-1016 Peak 5	3.352	3.347	3.345	3.342	3.345						3.275 - 3.415	3.346
PCB-1016 Peak 6	3.696	3.696	3.696	3.694	3.698						3.626 - 3.766	3.696
PCB-1016 Peak 7	4.059	4.055	4.054	4.054	4.056						3.984 - 4.124	4.056
PCB-1016 Peak 8	4.214	4.206	4.202	4.202	4.205						4.132 - 4.272	4.206
PCB-1260 Peak 1	6.094	6.091	6.089	6.089	6.090						6.019 - 6.159	6.091
PCB-1260 Peak 2	6.551	6.546	6.543	6.543	6.542						6.473 - 6.613	6.545
PCB-1260 Peak 3	7.000	6.992	6.988	6.989	6.987						6.918 - 7.058	6.991
PCB-1260 Peak 4	7.190	7.187	7.185	7.186	7.185						7.115 - 7.255	7.187
PCB-1260 Peak 5	7.628	7.626	7.623	7.624	7.624						7.553 - 7.693	7.625
PCB-1260 Peak 6	8.940	8.935	8.928	8.928	8.925						8.858 - 8.998	8.931
PCB-1260 Peak 7	9.151	9.148	9.145	9.146	9.145						9.075 - 9.215	9.147
PCB-1260 Peak 8	10.184	10.181	10.179	10.179	10.178						10.109 - 10.249	10.180
DCB Decachlorobiphenyl	10.638	10.637	10.637	10.637	10.636						10.537 - 10.737	10.637

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 12:19 Calibration End Date: 09/29/2011 13:21 Calibration ID: 12467

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/6	vr464913.d
Level 2	IC 460-87766/7	vr464914.d
Level 3	IC 460-87766/8	vr464915.d
Level 4	IC 460-87766/9	vr464916.d
Level 5	IC 460-87766/10	vr464917.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	4262.0 3386.4	4322.1	4079.1	3951.2	Ave		4000.17047				9.3		20.0			
PCB-1016 Peak 2	7657.9 6760.0	8234.3	7547.5	7387.8	Ave		7517.51035				7.1		20.0			
PCB-1016 Peak 3	4122.8 4860.6	5487.3	5423.2	5571.4	Ave		5093.05936				12.0		20.0			
PCB-1016 Peak 4	14993 14249	17077	15832	15675	Ave		15565.1410				6.8		20.0			
PCB-1016 Peak 5	5221.0 5774.6	6877.9	6408.7	6419.9	Ave		6140.43536				10.5		20.0			
PCB-1016 Peak 6	6952.9 6441.5	7448.9	7130.5	6617.8	Ave		6918.33145				5.8		20.0			
PCB-1016 Peak 7	5816.3 5782.2	6511.3	6170.7	6127.7	Ave		6081.62184				4.9		20.0			
PCB-1016 Peak 8	2429.6 2998.1	3223.6	2976.1	2979.2	Ave		2921.31181				10.1		20.0			
PCB-1260 Peak 1	10624 8781.9	11002	9976.4	9644.9	Ave		10005.7368				8.7		20.0			
PCB-1260 Peak 2	20213 16201	19821	19217	17866	Ave		18663.5302				8.8		20.0			
PCB-1260 Peak 3	16321 14810	16911	17442	16435	Ave		16383.8043				6.0		20.0			
PCB-1260 Peak 4	9708.1 8337.3	10323	10132	9349.9	Ave		9570.06953				8.2		20.0			
PCB-1260 Peak 5	7707.7 7295.8	8271.7	8614.6	8226.1	Ave		8023.17341				6.5		20.0			
PCB-1260 Peak 6	6957.9 9148.9	8361.3	9212.5	9421.0	Ave		8620.33703				11.7		20.0			
PCB-1260 Peak 7	5662.4 6786.1	7884.6	7850.2	7388.8	Ave		7114.43532				13.0		20.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 12:19 Calibration End Date: 09/29/2011 13:21 Calibration ID: 12467

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1260 Peak 8	4247.6 5292.4	5552.1	5551.2	5410.6	Ave		5210.77188				10.5		20.0			
DCB Decachlorobiphenyl	150864 134526	165782	151164	142988	Ave		149064.544				7.8		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 12:19 Calibration End Date: 09/29/2011 13:21 Calibration ID: 12467

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/6	vr464913.d
Level 2	IC 460-87766/7	vr464914.d
Level 3	IC 460-87766/8	vr464915.d
Level 4	IC 460-87766/9	vr464916.d
Level 5	IC 460-87766/10	vr464917.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	426201	2161074	4079085	5926763	8466085	100	500	1000	1500	2500
PCB-1016 Peak 2	Ave	765790	4117174	7547518	11081657	16900036	100	500	1000	1500	2500
PCB-1016 Peak 3	Ave	412282	2743645	5423204	8357121	12151422	100	500	1000	1500	2500
PCB-1016 Peak 4	Ave	1499250	8538681	15832256	23511879	35622503	100	500	1000	1500	2500
PCB-1016 Peak 5	Ave	522104	3438948	6408680	9629883	14436597	100	500	1000	1500	2500
PCB-1016 Peak 6	Ave	695285	3724452	7130543	9926740	16103834	100	500	1000	1500	2500
PCB-1016 Peak 7	Ave	581630	3255658	6170652	9191496	14455443	100	500	1000	1500	2500
PCB-1016 Peak 8	Ave	242958	1611778	2976068	4468834	7495331	100	500	1000	1500	2500
PCB-1260 Peak 1	Ave	1062376	5500895	9976383	14467317	21954682	100	500	1000	1500	2500
PCB-1260 Peak 2	Ave	2021348	9910339	19216631	26799494	40501332	100	500	1000	1500	2500
PCB-1260 Peak 3	Ave	1632138	8455392	17442154	24652031	37025040	100	500	1000	1500	2500
PCB-1260 Peak 4	Ave	970812	5161327	10132385	14024872	20843185	100	500	1000	1500	2500
PCB-1260 Peak 5	Ave	770766	4135859	8614616	12339136	18239456	100	500	1000	1500	2500
PCB-1260 Peak 6	Ave	695787	4180662	9212549	14131571	22872237	100	500	1000	1500	2500
PCB-1260 Peak 7	Ave	566239	3942323	7850239	11083269	16965139	100	500	1000	1500	2500
PCB-1260 Peak 8	Ave	424755	2776044	5551213	8115948	13230941	100	500	1000	1500	2500
DCB Decachlorobiphenyl	Ave	3771602	8289087	15116355	21448134	26905158	25.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/vr464913.d
Lab Smp Id: IC-SG1660L1_00010
Inj Date : 29-SEP-2011 12:19
Operator : 615
Smp Info : IC-SG1660L1_00010
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/08Vr8082.m
Meth Date : 29-Sep-2011 15:49 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
Calibration Sample, Level: 1
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
			CAL - AMT		ON - COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
21 Aroclor-1016					CAS #: 12674-11-2				
2.097	2.095	0.002	426201	100.000	110	80.00-	120.00	100.00(M)	
2.536	2.534	0.002	765790	100.000	100	159.70-	239.54	179.68	
2.788	2.785	0.003	412282	100.000	81	114.82-	172.24	96.73	
3.148	3.142	0.006	1499250	100.000	96	336.61-	504.92	351.77	
3.352	3.345	0.007	522104	100.000	85	136.42-	204.63	122.50	
3.696	3.696	0.000	695285	100.000	100	152.17-	228.26	163.14	
4.059	4.054	0.005	581630	100.000	96	136.60-	204.89	136.47	
4.214	4.202	0.012	242958	100.000	83	70.83-	106.24	57.01	
Average of Peak Amounts =					93.8				

27 Aroclor-1260					CAS #: 11096-82-5				
6.094	6.089	0.005	1062376	100.000	110	80.00-	120.00	100.00(M)	

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.551	6.543	0.008	2021348	100.000	110	147.58-	221.37	190.27	
7.000	6.988	0.012	1632138	100.000	100	134.91-	202.37	153.63	
7.190	7.185	0.005	970812	100.000	100	75.95-	113.92	91.38	
7.628	7.623	0.005	770766	100.000	96	66.46-	99.69	72.55	
8.940	8.928	0.012	695787	100.000	81	83.34-	125.02	65.49	
9.151	9.145	0.006	566239	100.000	80	61.82-	92.73	53.30	
10.184	10.179	0.005	424755	100.000	82	48.21-	72.32	39.98	
Average of Peak Amounts =					94.2				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.638	10.637	0.001	3771602	25.0000	25	80.00-	120.00	100.00(M)	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr464913.d

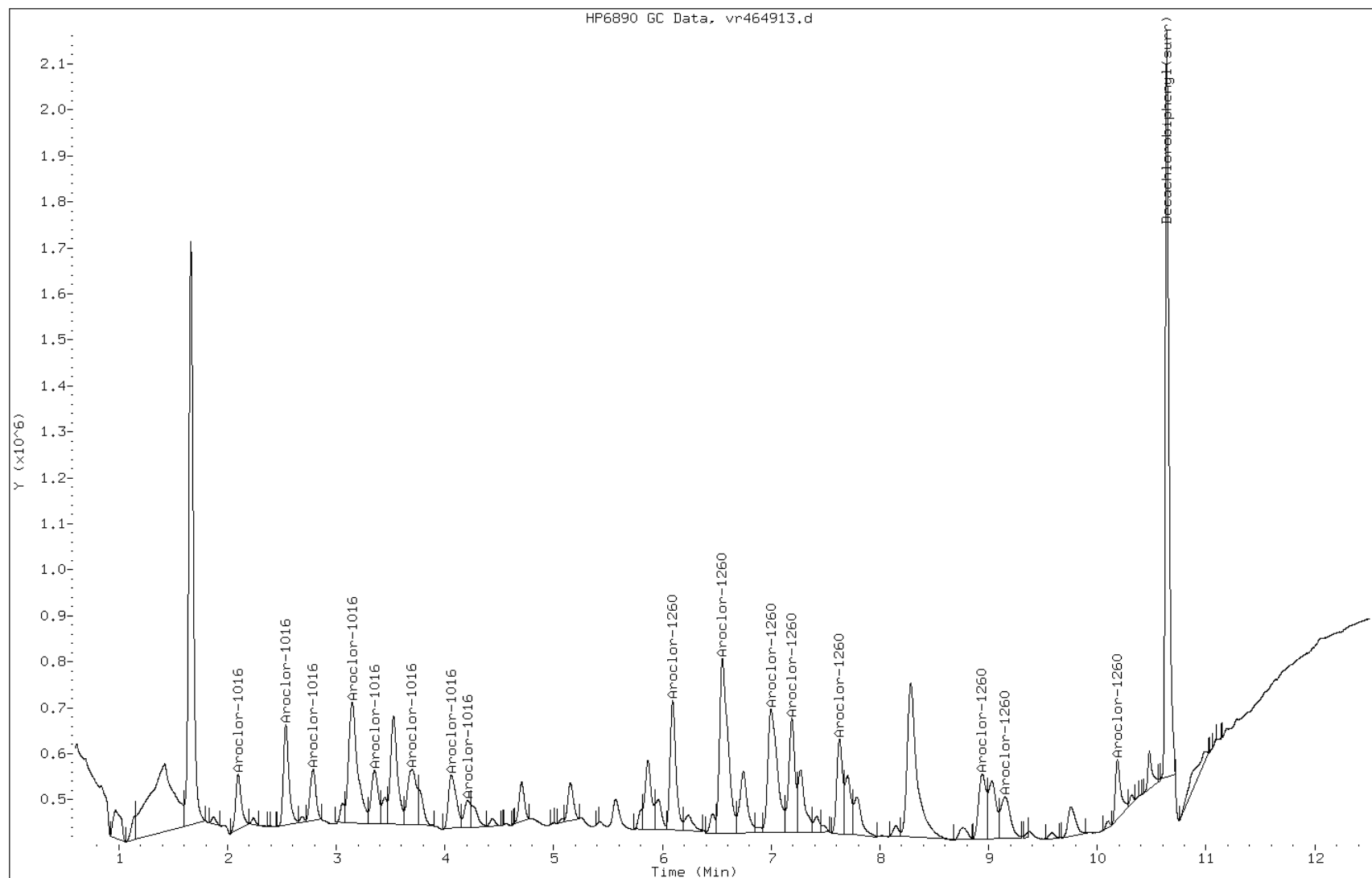
Date: 29-SEP-2011 12:19

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1660L1_00010

Operator: 615



Manual Integration Report

Data File: vr464913.d
Inj. Date and Time: 29-SEP-2011 12:19
Instrument ID: PESTGC9.i
Client ID:
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 09/29/2011

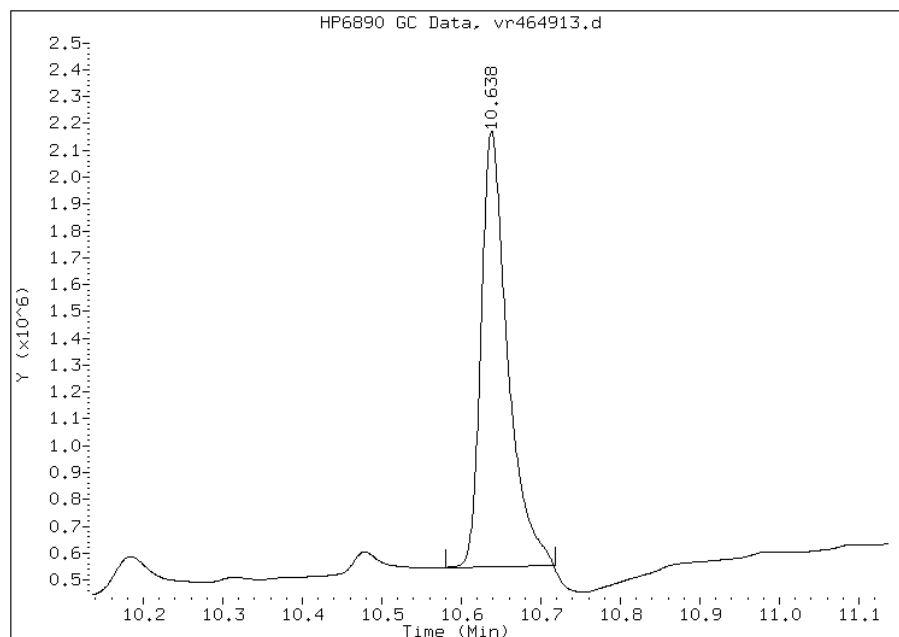
Processing Integration Results

Not Detected

Expected RT: 10.64

Manual Integration Results

RT: 10.64
Response: 3771602
Amount: 25.30
Conc: 25.30



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/vr464914.d
Lab Smp Id: IC-SG1660L2_00010
Inj Date : 29-SEP-2011 12:34
Operator : 615
Smp Info : IC-SG1660L2_00010
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/08Vr8082.m
Meth Date : 29-Sep-2011 15:49 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
Calibration Sample, Level: 2
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
21 Aroclor-1016			CAS #: 12674-11-2			
2.096	2.095	0.001	2161074	500.000	540 80.00- 120.00	100.00(M)
2.534	2.534	0.000	4117174	500.000	550 159.70- 239.54	190.52
2.786	2.785	0.001	2743645	500.000	540 114.82- 172.24	126.96
3.143	3.142	0.001	8538681	500.000	550 336.61- 504.92	395.11
3.347	3.345	0.002	3438948	500.000	560 136.42- 204.63	159.13
3.696	3.696	0.000	3724452	500.000	540 152.17- 228.26	172.34
4.055	4.054	0.001	3255658	500.000	540 136.60- 204.89	150.65
4.206	4.202	0.004	1611778	500.000	550 70.83- 106.24	74.58
Average of Peak Amounts =			545			
27 Aroclor-1260			CAS #: 11096-82-5			
6.091	6.089	0.002	5500895	500.000	550 80.00- 120.00	100.00

AMOUNTS									
RT	EXP RT	DLT RT	CAL-AMT		ON-COL		TARGET RANGE	RATIO	
			RESPONSE	(ug/L)	(ug/L)				
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.546	6.543	0.003	9910339	500.000	530	147.58-	221.37	180.16	
6.992	6.988	0.004	8455392	500.000	520	134.91-	202.37	153.71	
7.187	7.185	0.002	5161327	500.000	540	75.95-	113.92	93.83	
7.626	7.623	0.003	4135859	500.000	520	66.46-	99.69	75.19	
8.935	8.928	0.007	4180662	500.000	480	83.34-	125.02	76.00	
9.148	9.145	0.003	3942323	500.000	550	61.82-	92.73	71.67	
10.181	10.179	0.002	2776044	500.000	530	48.21-	72.32	50.47	
Average of Peak Amounts =					528				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.637	10.637	0.000	8289087	50.0000	56	80.00-	120.00	100.00(M)	

QC Flag Legend

M - Compound response manually integrated.

Manual Integration Report

Data File: vr464914.d
Inj. Date and Time: 29-SEP-2011 12:34
Instrument ID: PESTGC9.i
Client ID:
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 09/29/2011

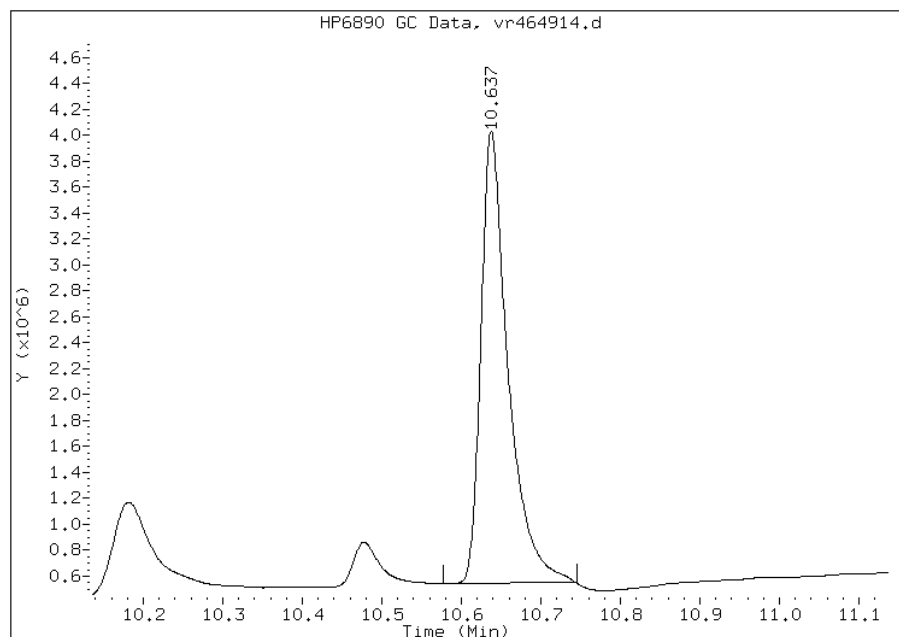
Processing Integration Results

Not Detected

Expected RT: 10.64

Manual Integration Results

RT: 10.64
Response: 8289087
Amount: 55.61
Conc: 55.61



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/vr464915.d
Lab Smp Id: IC-SG1660L3_00013
Inj Date : 29-SEP-2011 12:50
Operator : 615
Smp Info : IC-SG1660L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/08Vr8082.m
Meth Date : 29-Sep-2011 15:49 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
Calibration Sample, Level: 3
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
21 Aroclor-1016			CAS #: 12674-11-2			
2.095	2.095	0.000	4079085	1000.00	1000 80.00- 120.00	100.00(M)
2.534	2.534	0.000	7547518	1000.00	1000 159.70- 239.54	185.03
2.785	2.785	0.000	5423204	1000.00	1100 114.82- 172.24	132.95
3.142	3.142	0.000	15832256	1000.00	1000 336.61- 504.92	388.13
3.345	3.345	0.000	6408680	1000.00	1000 136.42- 204.63	157.11
3.696	3.696	0.000	7130543	1000.00	1000 152.17- 228.26	174.81
4.054	4.054	0.000	6170652	1000.00	1000 136.60- 204.89	151.28
4.202	4.202	0.000	2976068	1000.00	1000 70.83- 106.24	72.96
Average of Peak Amounts =			1.03e+03			
27 Aroclor-1260			CAS #: 11096-82-5			
6.089	6.089	0.000	9976383	1000.00	1000 80.00- 120.00	100.00

AMOUNTS									
			CAL - AMT		ON - COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.543	6.543	0.000	19216631	1000.00	1000	147.58-	221.37	192.62	
6.988	6.988	0.000	17442154	1000.00	1100	134.91-	202.37	174.83	
7.185	7.185	0.000	10132385	1000.00	1000	75.95-	113.92	101.56	
7.623	7.623	0.000	8614616	1000.00	1100	66.46-	99.69	86.35	
8.928	8.928	0.000	9212549	1000.00	1100	83.34-	125.02	92.34	
9.145	9.145	0.000	7850239	1000.00	1100	61.82-	92.73	78.69	
10.179	10.179	0.000	5551213	1000.00	1100	48.21-	72.32	55.64	
Average of Peak Amounts =					1.06e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.637	10.637	0.000	15116355	100.000	100	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr464915.d

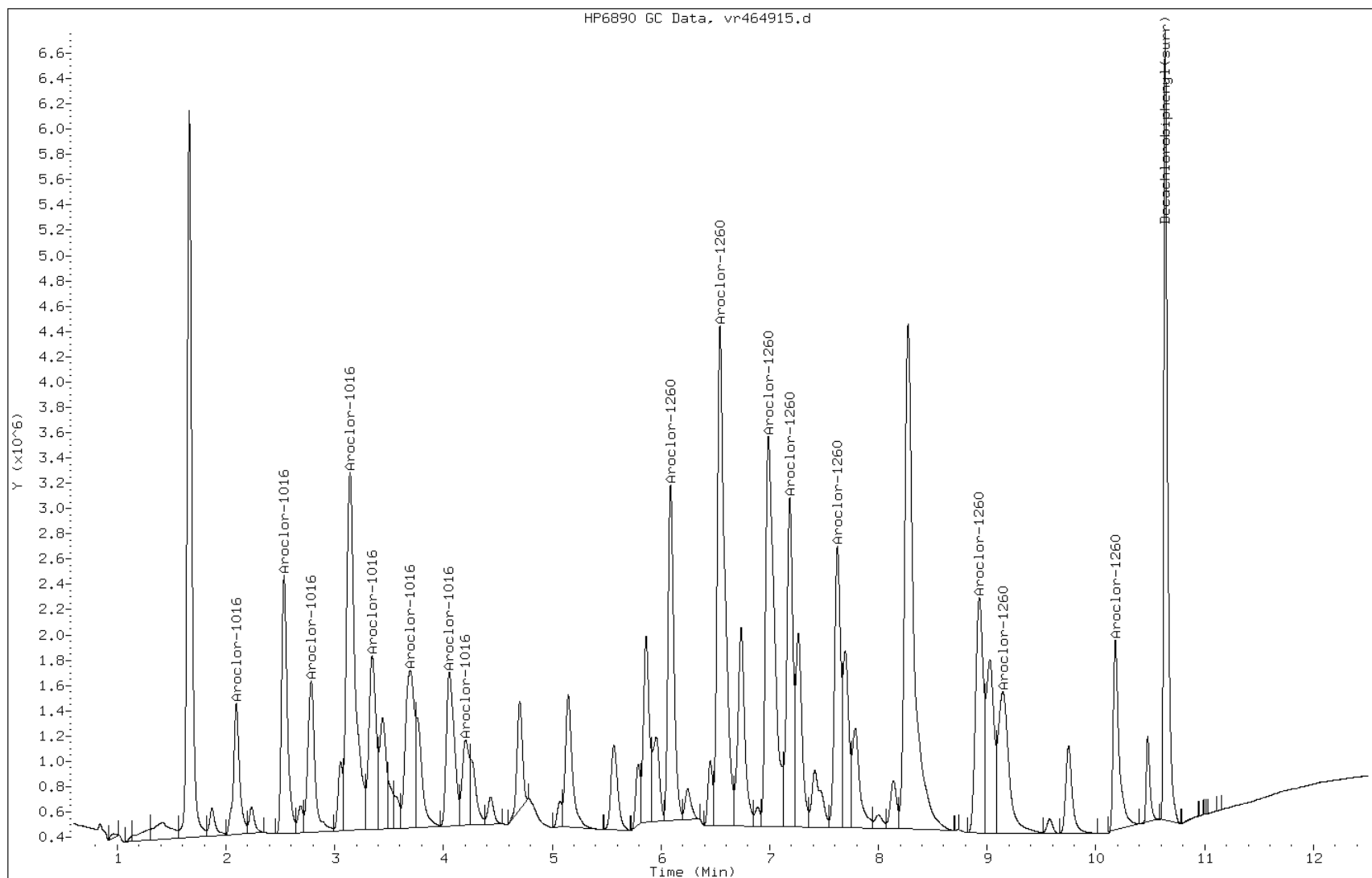
Date: 29-SEP-2011 12:50

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1660L3_00013

Operator: 615



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/vr464916.d
Lab Smp Id: IC-SG1660L4_00010
Inj Date : 29-SEP-2011 13:06
Operator : 615
Smp Info : IC-SG1660L4_00010
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/08Vr8082.m
Meth Date : 29-Sep-2011 15:49 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
Calibration Sample, Level: 4
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
			CAL -AMT		ON - COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
21 Aroclor-1016					CAS #: 12674-11-2				
2.094	2.095	-0.001	5926763	1500.00	1500	80.00-	120.00	100.00(M)	
2.534	2.534	0.000	11081657	1500.00	1500	159.70-	239.54	186.98	
2.784	2.785	-0.001	8357121	1500.00	1600	114.82-	172.24	141.01	
3.139	3.142	-0.003	23511879	1500.00	1500	336.61-	504.92	396.71	
3.342	3.345	-0.003	9629883	1500.00	1600	136.42-	204.63	162.48	
3.694	3.696	-0.002	9926740	1500.00	1400	152.17-	228.26	167.49	
4.053	4.054	-0.001	9191496	1500.00	1500	136.60-	204.89	155.08	
4.202	4.202	0.000	4468834	1500.00	1500	70.83-	106.24	75.40	
Average of Peak Amounts =					1.52e+03				

27 Aroclor-1260					CAS #: 11096-82-5				
6.089	6.089	0.000	14467317	1500.00	1400	80.00-	120.00	100.00	

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.543	6.543	0.000	26799494	1500.00	1400	147.58-	221.37	185.24	
6.989	6.988	0.001	24652031	1500.00	1500	134.91-	202.37	170.40	
7.186	7.185	0.001	14024872	1500.00	1500	75.95-	113.92	96.94	
7.624	7.623	0.001	12339136	1500.00	1500	66.46-	99.69	85.29	
8.928	8.928	0.000	14131571	1500.00	1600	83.34-	125.02	97.68	
9.146	9.145	0.001	11083269	1500.00	1600	61.82-	92.73	76.61	
10.178	10.179	-0.001	8115948	1500.00	1600	48.21-	72.32	56.10	
Average of Peak Amounts =					1.52e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.637	10.637	0.000	21448134	150.000	140	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr464916.d

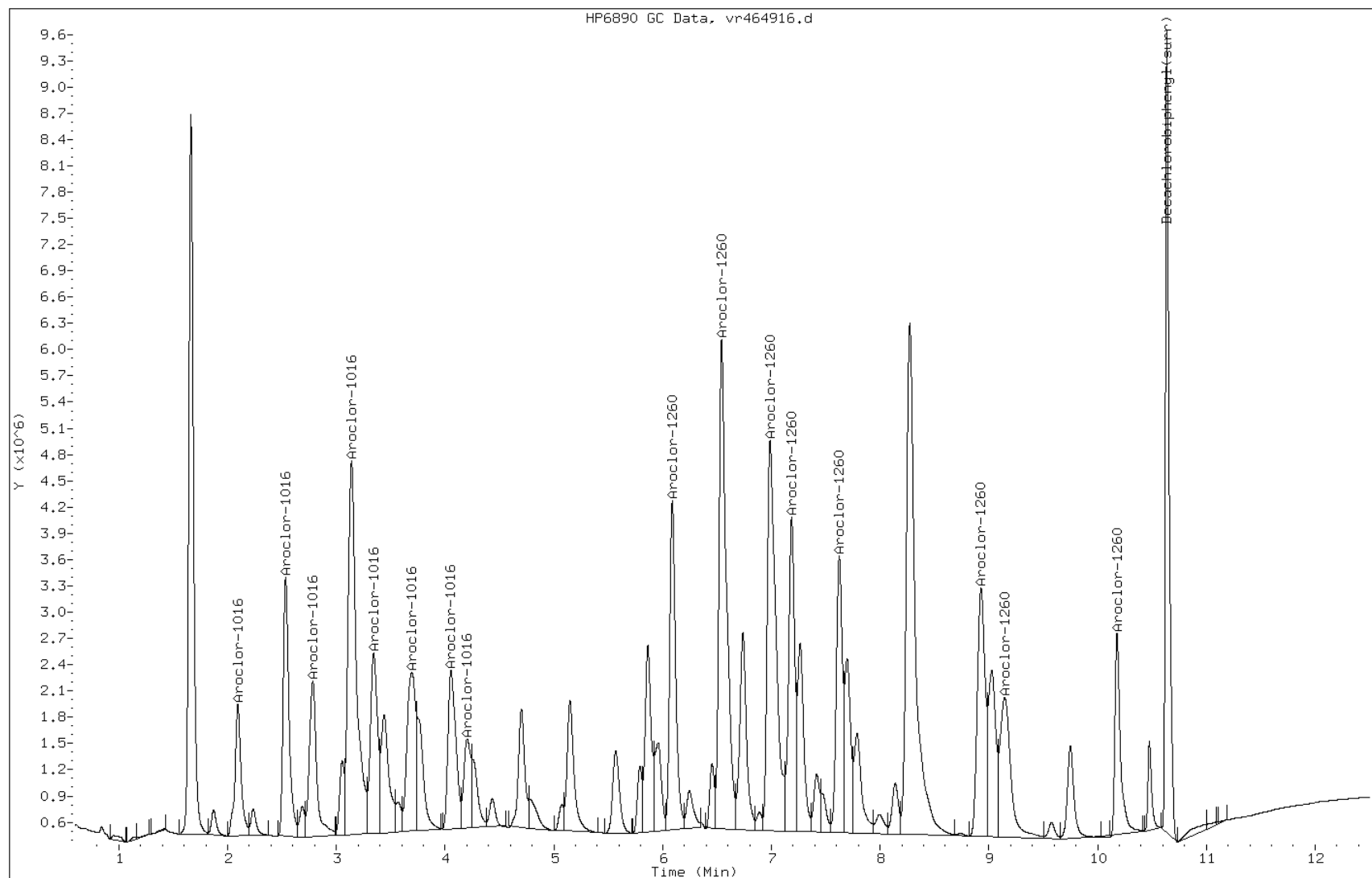
Date: 29-SEP-2011 13:06

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1660L4_00010

Operator: 615



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/vr464917.d
Lab Smp Id: IC-SG1660L5_00010
Inj Date : 29-SEP-2011 13:21
Operator : 615
Smp Info : IC-SG1660L5_00010
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/08Vr8082.m
Meth Date : 29-Sep-2011 15:49 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
Calibration Sample, Level: 5
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	CAL - AMT		ON - COL		TARGET RANGE		RATIO
==	=====	=====	RESPONSE	(ug/L)	(ug/L)		=====		=====
21 Aroclor-1016					CAS #: 12674-11-2				
2.095	2.095	0.000	8466085	2500.00	2100	80.00-	120.00	100.00(M)	
2.535	2.534	0.001	16900036	2500.00	2200	159.70-	239.54	199.62	
2.785	2.785	0.000	12151422	2500.00	2400	114.82-	172.24	143.53	
3.142	3.142	0.000	35622503	2500.00	2300	336.61-	504.92	420.77	
3.345	3.345	0.000	14436597	2500.00	2400	136.42-	204.63	170.52	
3.698	3.696	0.002	16103834	2500.00	2300	152.17-	228.26	190.22	
4.056	4.054	0.002	14455443	2500.00	2400	136.60-	204.89	170.75	
4.205	4.202	0.003	7495331	2500.00	2600	70.83-	106.24	88.53	
Average of Peak Amounts =					2.33e+03				
27 Aroclor-1260					CAS #: 11096-82-5				
6.090	6.089	0.001	21954682	2500.00	2200	80.00-	120.00	100.00	

AMOUNTS									
			CAL - AMT		ON - COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.542	6.543	-0.001	40501332	2500.00	2200	147.58-	221.37	184.48	
6.987	6.988	-0.001	37025040	2500.00	2200	134.91-	202.37	168.64	
7.185	7.185	0.000	20843185	2500.00	2200	75.95-	113.92	94.94	
7.624	7.623	0.001	18239456	2500.00	2300	66.46-	99.69	83.08	
8.925	8.928	-0.003	22872237	2500.00	2600	83.34-	125.02	104.18	
9.145	9.145	0.000	16965139	2500.00	2400	61.82-	92.73	77.27	
10.178	10.179	-0.001	13230941	2500.00	2500	48.21-	72.32	60.26	
Average of Peak Amounts =					2.33e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.636	10.637	-0.001	26905158	200.000	180	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr464917.d

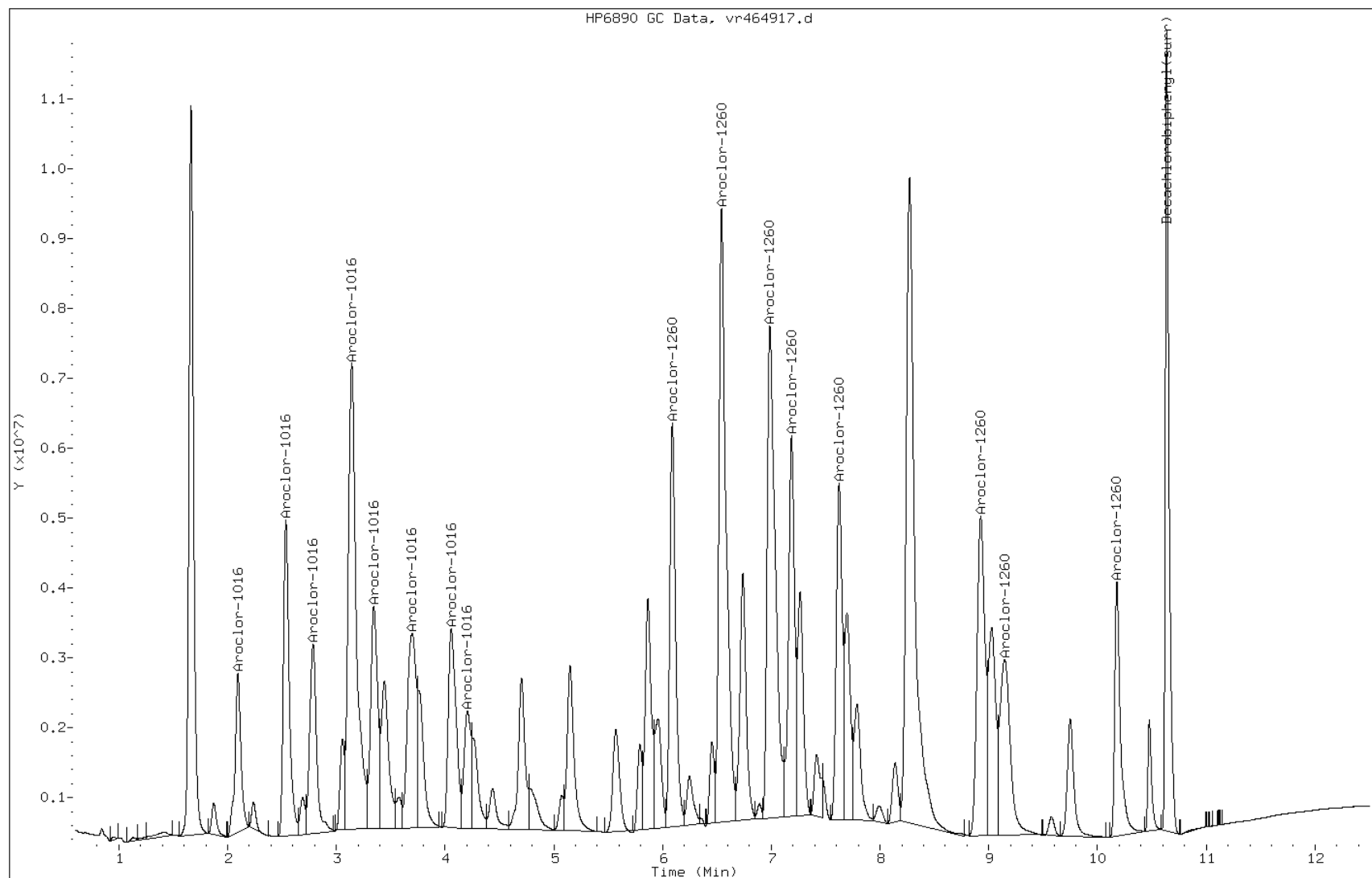
Date: 29-SEP-2011 13:21

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1660L5_00010

Operator: 615



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 13:37 Calibration End Date: 09/29/2011 13:37 Calibration ID: 12476

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/11	vf464918.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.665										1.595 - 1.735	1.665
PCB-1221 Peak 2	2.137										2.067 - 2.207	2.137
PCB-1221 Peak 3	2.675										2.605 - 2.745	2.675
PCB-1221 Peak 4	2.876										2.806 - 2.946	2.876
PCB-1221 Peak 5	2.965										2.895 - 3.035	2.965
PCB-1221 Peak 6	3.645										3.575 - 3.715	3.645
PCB-1221 Peak 7	3.761										3.691 - 3.831	3.761
PCB-1221 Peak 8	4.500										4.430 - 4.570	4.500

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 13:37 Calibration End Date: 09/29/2011 13:37 Calibration ID: 12476

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/11	vf464918.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	1207.0				Ave		1207.02500						20.0			
PCB-1221 Peak 2	281.16				Ave		281.162000						20.0			
PCB-1221 Peak 3	1451.2				Ave		1451.18300						20.0			
PCB-1221 Peak 4	980.70				Ave		980.695000						20.0			
PCB-1221 Peak 5	3852.2				Ave		3852.16000						20.0			
PCB-1221 Peak 6	613.97				Ave		613.965000						20.0			
PCB-1221 Peak 7	725.27				Ave		725.266000						20.0			
PCB-1221 Peak 8	639.53				Ave		639.534000						20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 13:37 Calibration End Date: 09/29/2011 13:37 Calibration ID: 12476

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/11	vf464918.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	1207025					1000				
PCB-1221 Peak 2	Ave	281162					1000				
PCB-1221 Peak 3	Ave	1451183					1000				
PCB-1221 Peak 4	Ave	980695					1000				
PCB-1221 Peak 5	Ave	3852160					1000				
PCB-1221 Peak 6	Ave	613965					1000				
PCB-1221 Peak 7	Ave	725266					1000				
PCB-1221 Peak 8	Ave	639534					1000				

Curve Type Legend:

Ave = Average

Data File: vf464918.d
Report Date: 29-Sep-2011 15:52

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/vf464918.d
Lab Smp Id: IC-SG1221L3_00012
Inj Date : 29-SEP-2011 13:37
Operator : 615
Smp Info : IC-SG1221L3_00012
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/08Vf8082.m
Meth Date : 29-Sep-2011 15:52 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf464924.d
Calibration Sample, Level: 3
Compound Sublist: AR12210.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		AMOUNTS							
		CAL - AMT	ON - COL						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====		=====	
22 Aroclor-1221			CAS #: 11104-28-2						
1.665	1.665	0.000	1207025	1000.00	1000	80.00-	120.00	100.00	
2.137	2.137	0.000	281162	1000.00	1000	18.64-	27.95	23.29	
2.675	2.675	0.000	1451183	1000.00	1000	96.18-	144.27	120.23	
2.876	2.876	0.000	980695	1000.00	1000	65.00-	97.50	81.25	
2.965	2.965	0.000	3852160	1000.00	1000	255.32-	382.97	319.15	
3.645	3.645	0.000	613965	1000.00	1000	40.69-	61.04	50.87	
3.761	3.761	0.000	725266	1000.00	1000	48.07-	72.10	60.09	
4.500	4.500	0.000	639534	1000.00	1000	42.39-	63.58	52.98	
Average of Peak Amounts =			1e+03						

Data File: vf464918.d

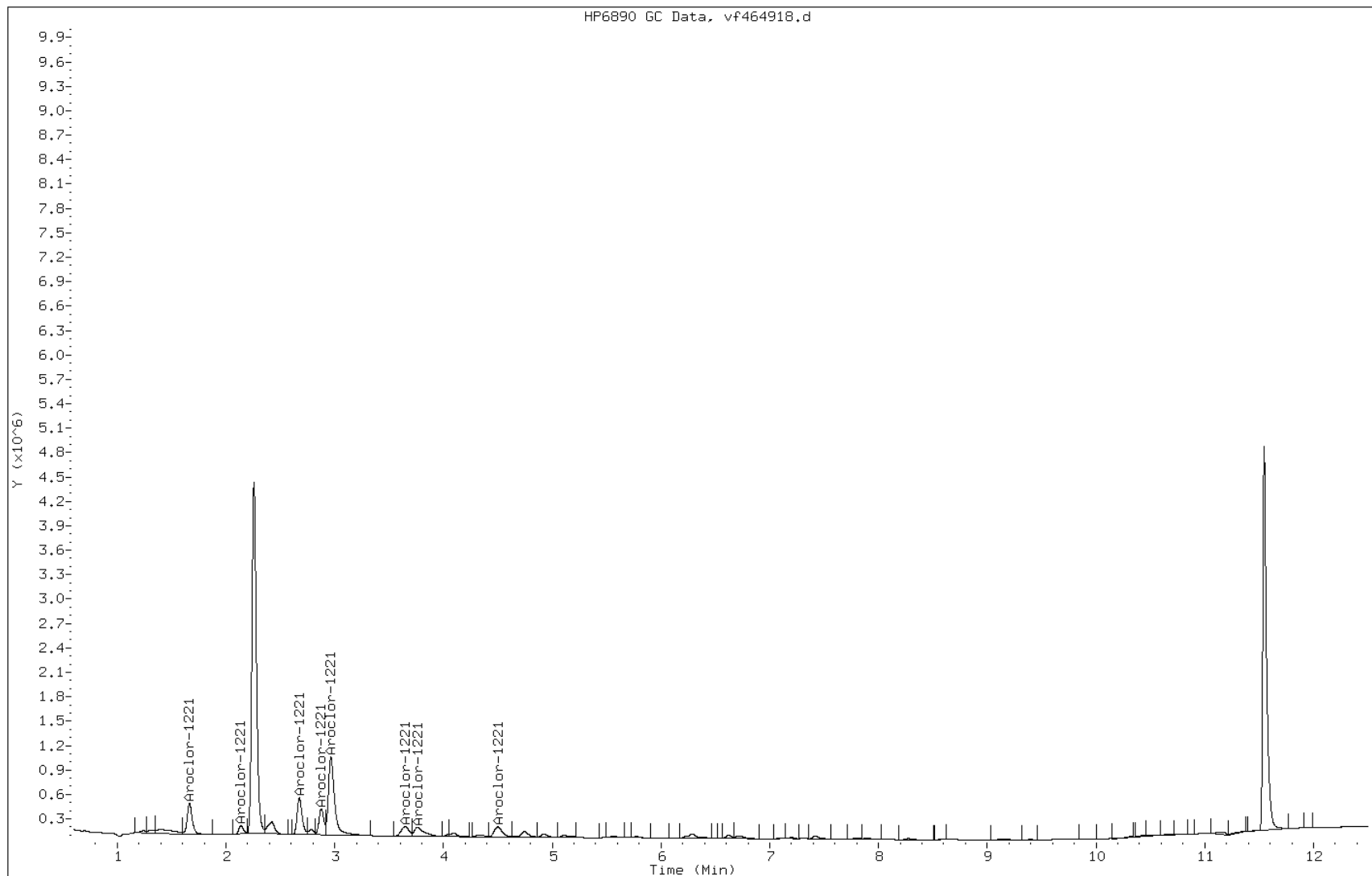
Date: 29-SEP-2011 13:37

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1221L3_00012

Operator: 615



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 13:37 Calibration End Date: 09/29/2011 13:37 Calibration ID: 12468

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/11	vr464918.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.124										1.054 - 1.194	1.124
PCB-1221 Peak 2	1.525										1.455 - 1.595	1.525
PCB-1221 Peak 3	1.871										1.801 - 1.941	1.871
PCB-1221 Peak 4	2.093										2.023 - 2.163	2.093
PCB-1221 Peak 5	2.535										2.465 - 2.605	2.535
PCB-1221 Peak 6	2.780										2.710 - 2.850	2.780
PCB-1221 Peak 7	3.146										3.076 - 3.216	3.146
PCB-1221 Peak 8	3.344										3.274 - 3.414	3.344

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 13:37 Calibration End Date: 09/29/2011 13:37 Calibration ID: 12468

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/11	vr464918.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	1953.6				Ave		1953.58100						20.0			
PCB-1221 Peak 2	714.29				Ave		714.287000						20.0			
PCB-1221 Peak 3	2409.2				Ave		2409.22500						20.0			
PCB-1221 Peak 4	6801.0				Ave		6800.96400						20.0			
PCB-1221 Peak 5	496.66				Ave		496.656000						20.0			
PCB-1221 Peak 6	543.68				Ave		543.682000						20.0			
PCB-1221 Peak 7	912.80				Ave		912.798000						20.0			
PCB-1221 Peak 8	300.53				Ave		300.529000						20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 13:37 Calibration End Date: 09/29/2011 13:37 Calibration ID: 12468

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/11	vr464918.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	1953581					1000				
PCB-1221 Peak 2	Ave	714287					1000				
PCB-1221 Peak 3	Ave	2409225					1000				
PCB-1221 Peak 4	Ave	6800964					1000				
PCB-1221 Peak 5	Ave	496656					1000				
PCB-1221 Peak 6	Ave	543682					1000				
PCB-1221 Peak 7	Ave	912798					1000				
PCB-1221 Peak 8	Ave	300529					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/vr464918.d
Lab Smp Id: IC-SG1221L3_00012
Inj Date : 29-SEP-2011 13:37
Operator : 615
Smp Info : IC-SG1221L3_00012
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/08Vr8082.m
Meth Date : 29-Sep-2011 15:49 shanthi Quant Type: ESTD
Cal Date : 29-SEP-2011 15:10 Cal File: vr464924.d
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR12210.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		AMOUNTS							
		CAL-AMT	ON-COL						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====		=====	
22 Aroclor-1221			CAS #: 11104-28-2						
1.124	1.124	0.000	1953581	1000.00	1000	80.00-	120.00	100.00	
1.525	1.525	0.000	714287	1000.00	1000	29.25-	43.88	36.56	
1.871	1.871	0.000	2409225	1000.00	1000	98.66-	147.99	123.32	
2.093	2.093	0.000	6800964	1000.00	1000	278.50-	417.75	348.13	
2.535	2.535	0.000	496656	1000.00	1000	20.34-	30.51	25.42	
2.780	2.780	0.000	543682	1000.00	1000	22.26-	33.40	27.83	
3.146	3.146	0.000	912798	1000.00	1000	37.38-	56.07	46.72	
3.344	3.344	0.000	300529	1000.00	1000	12.31-	18.46	15.38	
Average of Peak Amounts =			1e+03						

Data File: vr464918.d

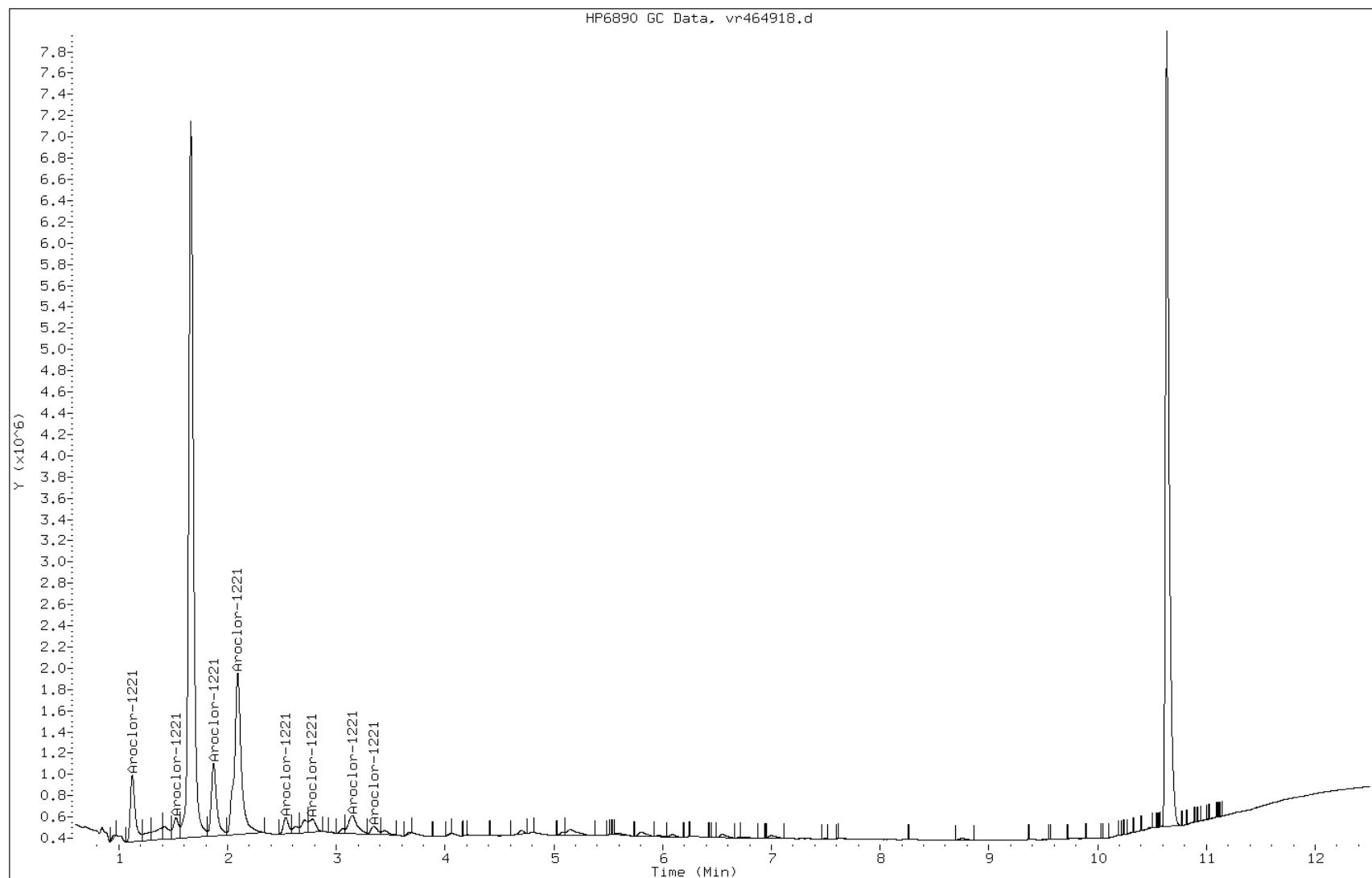
Date: 29-SEP-2011 13:37

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1221L3_00012

Operator: 615



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 13:53 Calibration End Date: 09/29/2011 13:53 Calibration ID: 12477

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/12	vf464919.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.964										2.894 - 3.034	2.964
PCB-1232 Peak 2	3.649										3.579 - 3.719	3.649
PCB-1232 Peak 3	4.095										4.025 - 4.165	4.095
PCB-1232 Peak 4	4.498										4.428 - 4.568	4.498
PCB-1232 Peak 5	4.742										4.672 - 4.812	4.742
PCB-1232 Peak 6	4.924										4.854 - 4.994	4.924
PCB-1232 Peak 7	5.569										5.499 - 5.639	5.569
PCB-1232 Peak 8	5.779										5.709 - 5.849	5.779

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 13:53 Calibration End Date: 09/29/2011 13:53 Calibration ID: 12477

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/12	vf464919.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	2487.6				Ave		2487.57100						20.0			
PCB-1232 Peak 2	2341.8				Ave		2341.82700						20.0			
PCB-1232 Peak 3	1072.3				Ave		1072.25100						20.0			
PCB-1232 Peak 4	4676.0				Ave		4675.99100						20.0			
PCB-1232 Peak 5	2185.4				Ave		2185.37000						20.0			
PCB-1232 Peak 6	1612.9				Ave		1612.90200						20.0			
PCB-1232 Peak 7	1683.7				Ave		1683.69600						20.0			
PCB-1232 Peak 8	1866.0				Ave		1865.99400						20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 13:53 Calibration End Date: 09/29/2011 13:53 Calibration ID: 12477

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/12	vf464919.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	2487571					1000				
PCB-1232 Peak 2	Ave	2341827					1000				
PCB-1232 Peak 3	Ave	1072251					1000				
PCB-1232 Peak 4	Ave	4675991					1000				
PCB-1232 Peak 5	Ave	2185370					1000				
PCB-1232 Peak 6	Ave	1612902					1000				
PCB-1232 Peak 7	Ave	1683696					1000				
PCB-1232 Peak 8	Ave	1865994					1000				

Curve Type Legend:

Ave = Average

Data File: vf464919.d
Report Date: 29-Sep-2011 15:52

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/vf464919.d
Lab Smp Id: IC-SG1232L3_00011
Inj Date : 29-SEP-2011 13:53
Operator : 615
Smp Info : IC-SG1232L3_00011
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/08Vf8082.m
Meth Date : 29-Sep-2011 15:52 shanthi Quant Type: ESTD
Cal Date : 29-SEP-2011 15:10 Cal File: vf464924.d
Als bottle: 12 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR12320.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====		=====	
23 Aroclor-1232			CAS #: 11141-16-5						
2.964	2.964	0.000	2487571	1000.00	1000	80.00-	120.00	100.00(M)	
3.649	3.649	0.000	2341827	1000.00	1000	75.31-	112.97	94.14	
4.095	4.095	0.000	1072251	1000.00	1000	34.48-	51.73	43.10	
4.498	4.498	0.000	4675991	1000.00	1000	150.38-	225.57	187.97	
4.742	4.742	0.000	2185370	1000.00	1000	70.28-	105.42	87.85	
4.924	4.924	0.000	1612902	1000.00	1000	51.87-	77.81	64.84	
5.569	5.569	0.000	1683696	1000.00	1000	54.15-	81.22	67.68	
5.779	5.779	0.000	1865994	1000.00	1000	60.01-	90.02	75.01	
Average of Peak Amounts =			1e+03						

Data File: vf464919.d
Report Date: 29-Sep-2011 15:52

QC Flag Legend

M - Compound response manually integrated.

Data File: vf464919.d

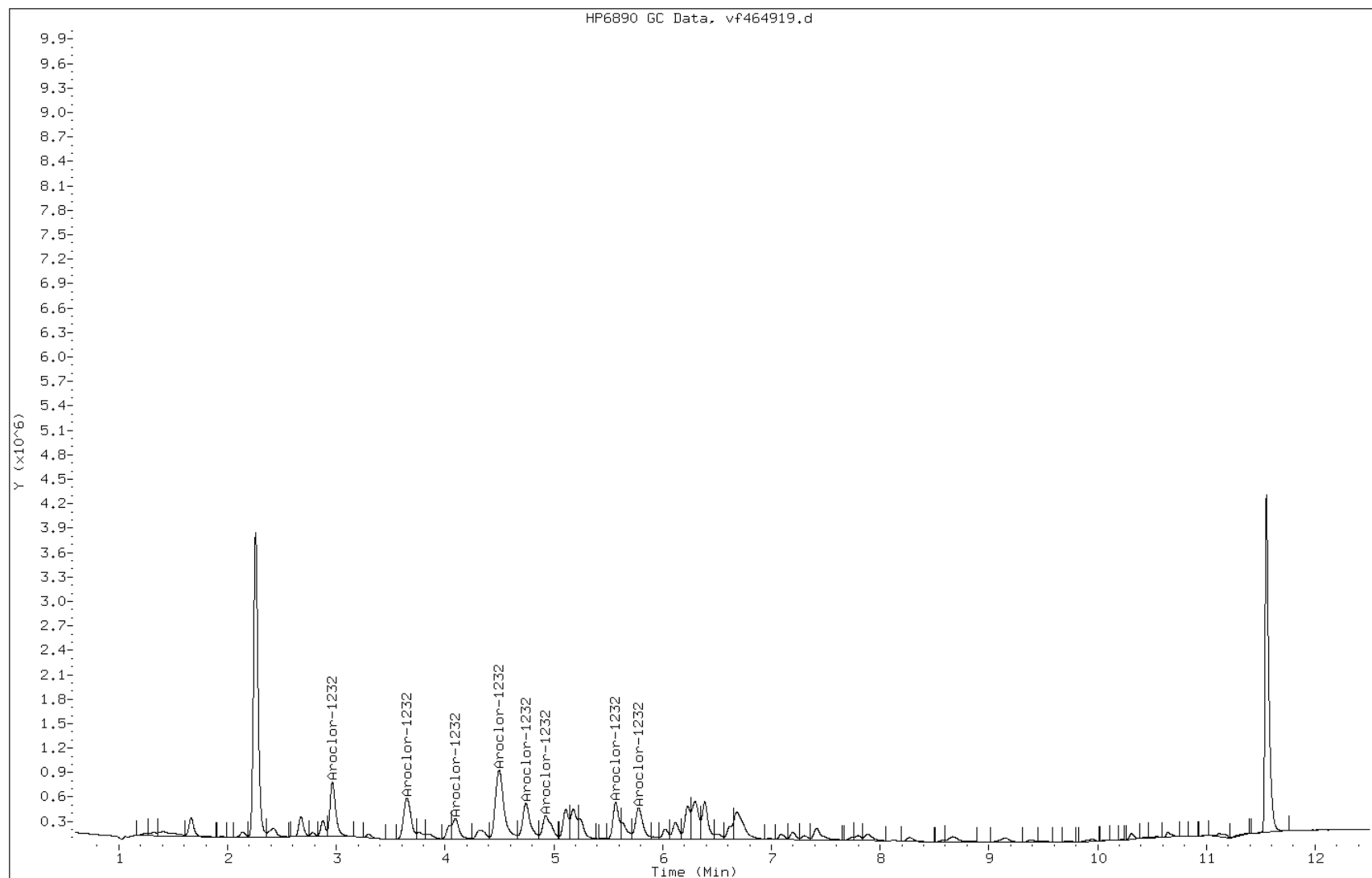
Date: 29-SEP-2011 13:53

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1232L3_00011

Operator: 615



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 13:53 Calibration End Date: 09/29/2011 13:53 Calibration ID: 12469

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/12	vr464919.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.094										2.024 - 2.164	2.094
PCB-1232 Peak 2	2.534										2.464 - 2.604	2.534
PCB-1232 Peak 3	2.784										2.714 - 2.854	2.784
PCB-1232 Peak 4	3.142										3.072 - 3.212	3.142
PCB-1232 Peak 5	3.347										3.277 - 3.417	3.347
PCB-1232 Peak 6	3.691										3.621 - 3.761	3.691
PCB-1232 Peak 7	4.054										3.984 - 4.124	4.054
PCB-1232 Peak 8	4.205										4.135 - 4.275	4.205

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 13:53 Calibration End Date: 09/29/2011 13:53 Calibration ID: 12469

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/12	vr464919.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	4518.5				Ave		4518.50800						20.0			
PCB-1232 Peak 2	3491.8				Ave		3491.78000						20.0			
PCB-1232 Peak 3	2354.6				Ave		2354.59700						20.0			
PCB-1232 Peak 4	7091.1				Ave		7091.09700						20.0			
PCB-1232 Peak 5	2784.3				Ave		2784.28100						20.0			
PCB-1232 Peak 6	3170.7				Ave		3170.70300						20.0			
PCB-1232 Peak 7	2917.6				Ave		2917.55300						20.0			
PCB-1232 Peak 8	1398.1				Ave		1398.10500						20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 13:53 Calibration End Date: 09/29/2011 13:53 Calibration ID: 12469

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/12	vr464919.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	4518508					1000				
PCB-1232 Peak 2	Ave	3491780					1000				
PCB-1232 Peak 3	Ave	2354597					1000				
PCB-1232 Peak 4	Ave	7091097					1000				
PCB-1232 Peak 5	Ave	2784281					1000				
PCB-1232 Peak 6	Ave	3170703					1000				
PCB-1232 Peak 7	Ave	2917553					1000				
PCB-1232 Peak 8	Ave	1398105					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/vr464919.d
Lab Smp Id: IC-SG1232L3_00011
Inj Date : 29-SEP-2011 13:53
Operator : 615
Smp Info : IC-SG1232L3_00011
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/08Vr8082.m
Meth Date : 29-Sep-2011 15:49 shanthi Quant Type: ESTD
Cal Date : 29-SEP-2011 15:10 Cal File: vr464924.d
Als bottle: 12 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR12320.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		AMOUNTS							
		CAL - AMT	ON - COL						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====		=====	
23 Aroclor-1232			CAS #: 11141-16-5						
2.094	2.094	0.000	4518508	1000.00	1000	80.00-	120.00	100.00(M)	
2.534	2.534	0.000	3491780	1000.00	1000	61.82-	92.73	77.28	
2.784	2.784	0.000	2354597	1000.00	1000	41.69-	62.53	52.11	
3.142	3.142	0.000	7091097	1000.00	1000	125.55-	188.32	156.93	
3.347	3.347	0.000	2784281	1000.00	1000	49.30-	73.94	61.62	
3.691	3.691	0.000	3170703	1000.00	1000	56.14-	84.21	70.17	
4.054	4.054	0.000	2917553	1000.00	1000	51.66-	77.48	64.57	
4.205	4.205	0.000	1398105	1000.00	1000	24.75-	37.13	30.94	
Average of Peak Amounts =			1e+03						

Data File: vr464919.d
Report Date: 29-Sep-2011 15:53

Page 2

QC Flag Legend

M - Compound response manually integrated.

Data File: vr464919.d

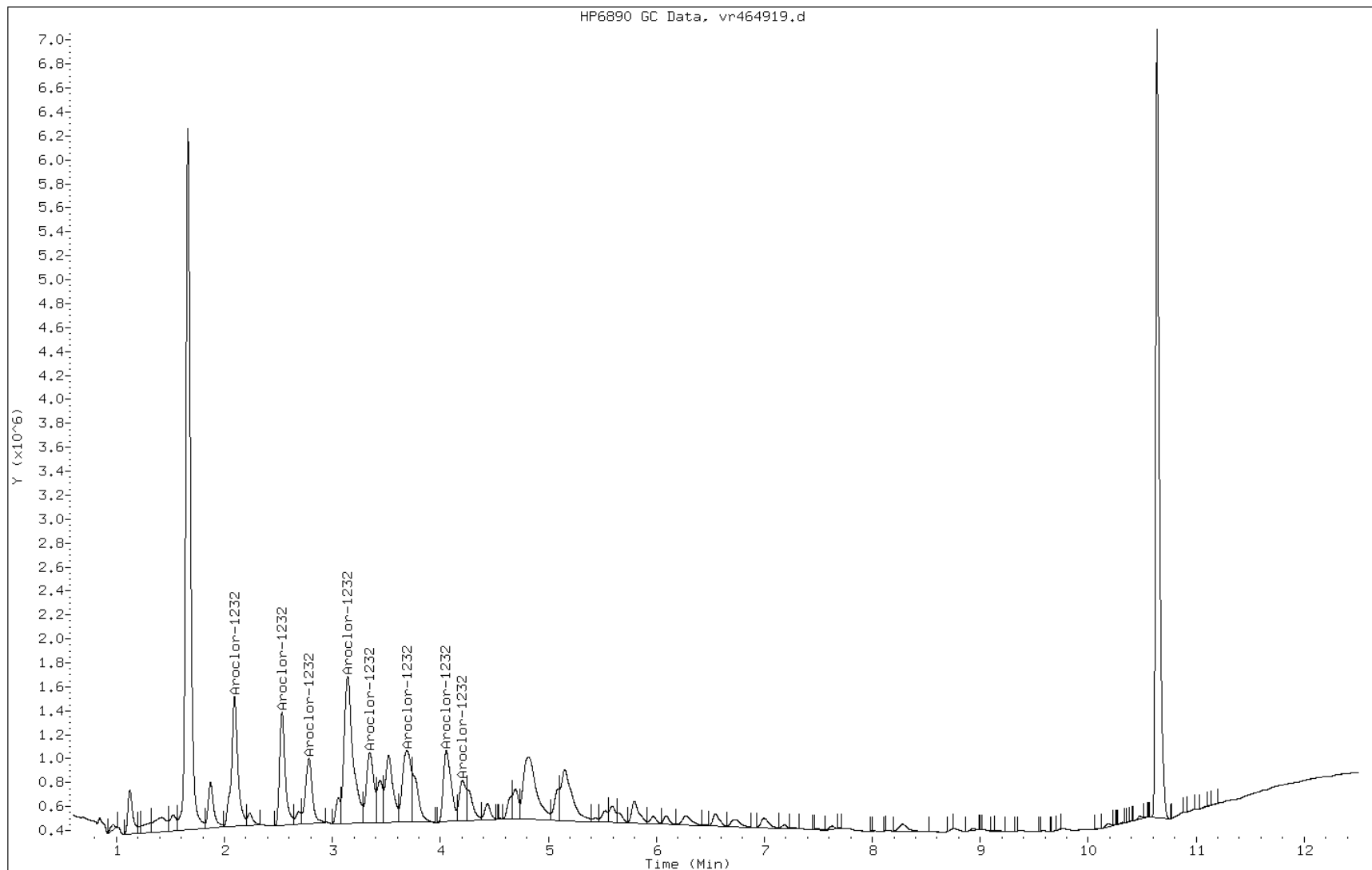
Date: 29-SEP-2011 13:53

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1232L3_00011

Operator: 615



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:08 Calibration End Date: 09/29/2011 14:08 Calibration ID: 12478

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/13	vf464920.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.964										2.894 - 3.034	2.964
PCB-1242 Peak 2	3.650										3.580 - 3.720	3.650
PCB-1242 Peak 3	4.096										4.026 - 4.166	4.096
PCB-1242 Peak 4	4.499										4.429 - 4.569	4.499
PCB-1242 Peak 5	4.744										4.674 - 4.814	4.744
PCB-1242 Peak 6	4.925										4.855 - 4.995	4.925
PCB-1242 Peak 7	5.779										5.709 - 5.849	5.779
PCB-1242 Peak 8	6.300										6.230 - 6.370	6.300

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:08 Calibration End Date: 09/29/2011 14:08 Calibration ID: 12478

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/13	vf464920.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	2330.3				Ave		2330.25500						20.0			
PCB-1242 Peak 2	4508.7				Ave		4508.70600						20.0			
PCB-1242 Peak 3	1967.0				Ave		1966.95300						20.0			
PCB-1242 Peak 4	8624.7				Ave		8624.71400						20.0			
PCB-1242 Peak 5	4026.6				Ave		4026.62400						20.0			
PCB-1242 Peak 6	3010.6				Ave		3010.59100						20.0			
PCB-1242 Peak 7	3368.9				Ave		3368.93400						20.0			
PCB-1242 Peak 8	3648.5				Ave		3648.45200						20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:08 Calibration End Date: 09/29/2011 14:08 Calibration ID: 12478

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/13	vf464920.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	2330255					1000				
PCB-1242 Peak 2	Ave	4508706					1000				
PCB-1242 Peak 3	Ave	1966953					1000				
PCB-1242 Peak 4	Ave	8624714					1000				
PCB-1242 Peak 5	Ave	4026624					1000				
PCB-1242 Peak 6	Ave	3010591					1000				
PCB-1242 Peak 7	Ave	3368934					1000				
PCB-1242 Peak 8	Ave	3648452					1000				

Curve Type Legend:

Ave = Average

Data File: vf464920.d
 Report Date: 29-Sep-2011 15:53

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/vf464920.d
 Lab Smp Id: IC-SG1242L3_00011
 Inj Date : 29-SEP-2011 14:08
 Operator : 615
 Smp Info : IC-SG1242L3_00011
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/08Vf8082.m
 Meth Date : 29-Sep-2011 15:53 shanthi
 Cal Date : 29-SEP-2011 15:10
 Als bottle: 13
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3

Inst ID: PESTGC9.i
 Quant Type: ESTD
 Cal File: vf464924.d
 Calibration Sample, Level: 3
 Compound Sublist: AR12420.sub
 Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

			AMOUNTS					
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
24 Aroclor-1242					CAS #: 53469-21-9			
2.964	2.964	0.000	2330255	1000.00	1000	80.00-	120.00	100.00(M)
3.650	3.650	0.000	4508706	1000.00	1000	154.79-	232.18	193.49
4.096	4.096	0.000	1966953	1000.00	1000	67.53-	101.29	84.41
4.499	4.499	0.000	8624714	1000.00	1000	296.10-	444.14	370.12
4.744	4.744	0.000	4026624	1000.00	1000	138.24-	207.36	172.80
4.925	4.925	0.000	3010591	1000.00	1000	103.36-	155.03	129.20
5.779	5.779	0.000	3368934	1000.00	1000	115.66-	173.49	144.57
6.300	6.300	0.000	3648452	1000.00	1000	125.26-	187.88	156.57
Average of Peak Amounts =					1e+03			

Data File: vf464920.d
Report Date: 29-Sep-2011 15:53

QC Flag Legend

M - Compound response manually integrated.

Data File: vf464920.d

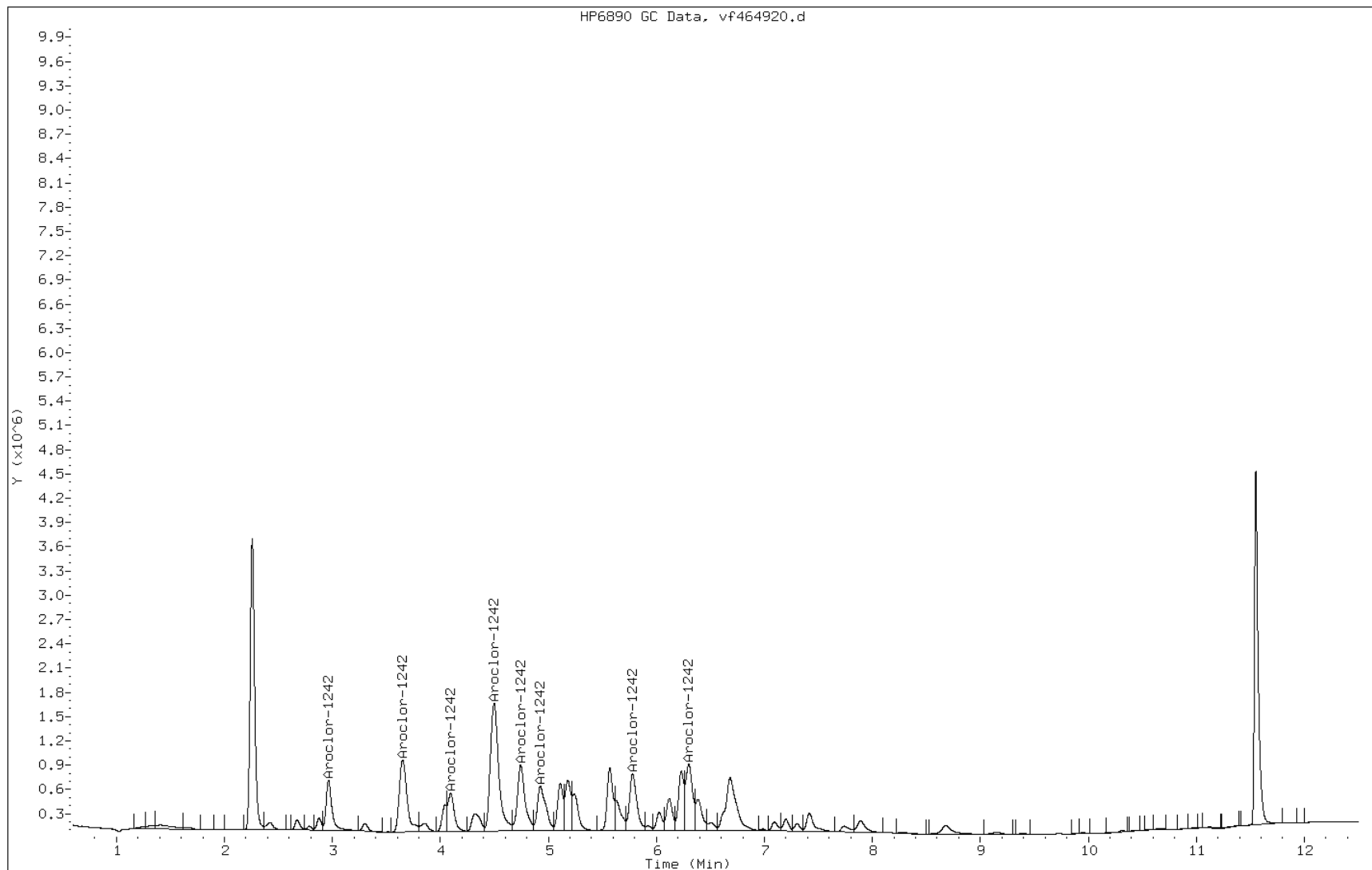
Date: 29-SEP-2011 14:08

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1242L3_00011

Operator: 615



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:08 Calibration End Date: 09/29/2011 14:08 Calibration ID: 12470

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/13	vr464920.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.094										2.024 - 2.164	2.094
PCB-1242 Peak 2	2.534										2.464 - 2.604	2.534
PCB-1242 Peak 3	2.784										2.714 - 2.854	2.784
PCB-1242 Peak 4	3.142										3.072 - 3.212	3.142
PCB-1242 Peak 5	3.344										3.274 - 3.414	3.344
PCB-1242 Peak 6	3.694										3.624 - 3.764	3.694
PCB-1242 Peak 7	4.054										3.984 - 4.124	4.054
PCB-1242 Peak 8	5.151										5.081 - 5.221	5.151

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:08 Calibration End Date: 09/29/2011 14:08 Calibration ID: 12470

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/13	vr464920.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	3777.1				Ave		3777.11700						20.0			
PCB-1242 Peak 2	6209.4				Ave		6209.44900						20.0			
PCB-1242 Peak 3	4398.1				Ave		4398.05000						20.0			
PCB-1242 Peak 4	13471				Ave		13471.1310						20.0			
PCB-1242 Peak 5	5435.8				Ave		5435.81200						20.0			
PCB-1242 Peak 6	5950.3				Ave		5950.31700						20.0			
PCB-1242 Peak 7	5477.0				Ave		5477.02200						20.0			
PCB-1242 Peak 8	5066.6				Ave		5066.62500						20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:08 Calibration End Date: 09/29/2011 14:08 Calibration ID: 12470

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/13	vr464920.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	3777117					1000				
PCB-1242 Peak 2	Ave	6209449					1000				
PCB-1242 Peak 3	Ave	4398050					1000				
PCB-1242 Peak 4	Ave	13471131					1000				
PCB-1242 Peak 5	Ave	5435812					1000				
PCB-1242 Peak 6	Ave	5950317					1000				
PCB-1242 Peak 7	Ave	5477022					1000				
PCB-1242 Peak 8	Ave	5066625					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/vr464920.d
Lab Smp Id: IC-SG1242L3_00011
Inj Date : 29-SEP-2011 14:08
Operator : 615
Smp Info : IC-SG1242L3_00011
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/08Vr8082.m
Meth Date : 29-Sep-2011 15:49 shanthi Quant Type: ESTD
Cal Date : 29-SEP-2011 15:10 Cal File: vr464924.d
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR12420.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

		AMOUNTS							
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====			
24 Aroclor-1242			CAS #: 53469-21-9						
2.094	2.094	0.000	3777117	1000.00	1000 80.00- 120.00	100.00(M)			
2.534	2.534	0.000	6209449	1000.00	1000 131.52- 197.28	164.40			
2.784	2.784	0.000	4398050	1000.00	1000 93.15- 139.73	116.44			
3.142	3.142	0.000	13471131	1000.00	1000 285.32- 427.98	356.65			
3.344	3.344	0.000	5435812	1000.00	1000 115.13- 172.70	143.91			
3.694	3.694	0.000	5950317	1000.00	1000 126.03- 189.04	157.54			
4.054	4.054	0.000	5477022	1000.00	1000 116.00- 174.01	145.01			
5.151	5.151	0.000	5066625	1000.00	1000 107.31- 160.97	134.14			
Average of Peak Amounts =				1e+03					

Data File: vr464920.d
Report Date: 29-Sep-2011 15:53

Page 2

QC Flag Legend

M - Compound response manually integrated.

Data File: vr464920.d

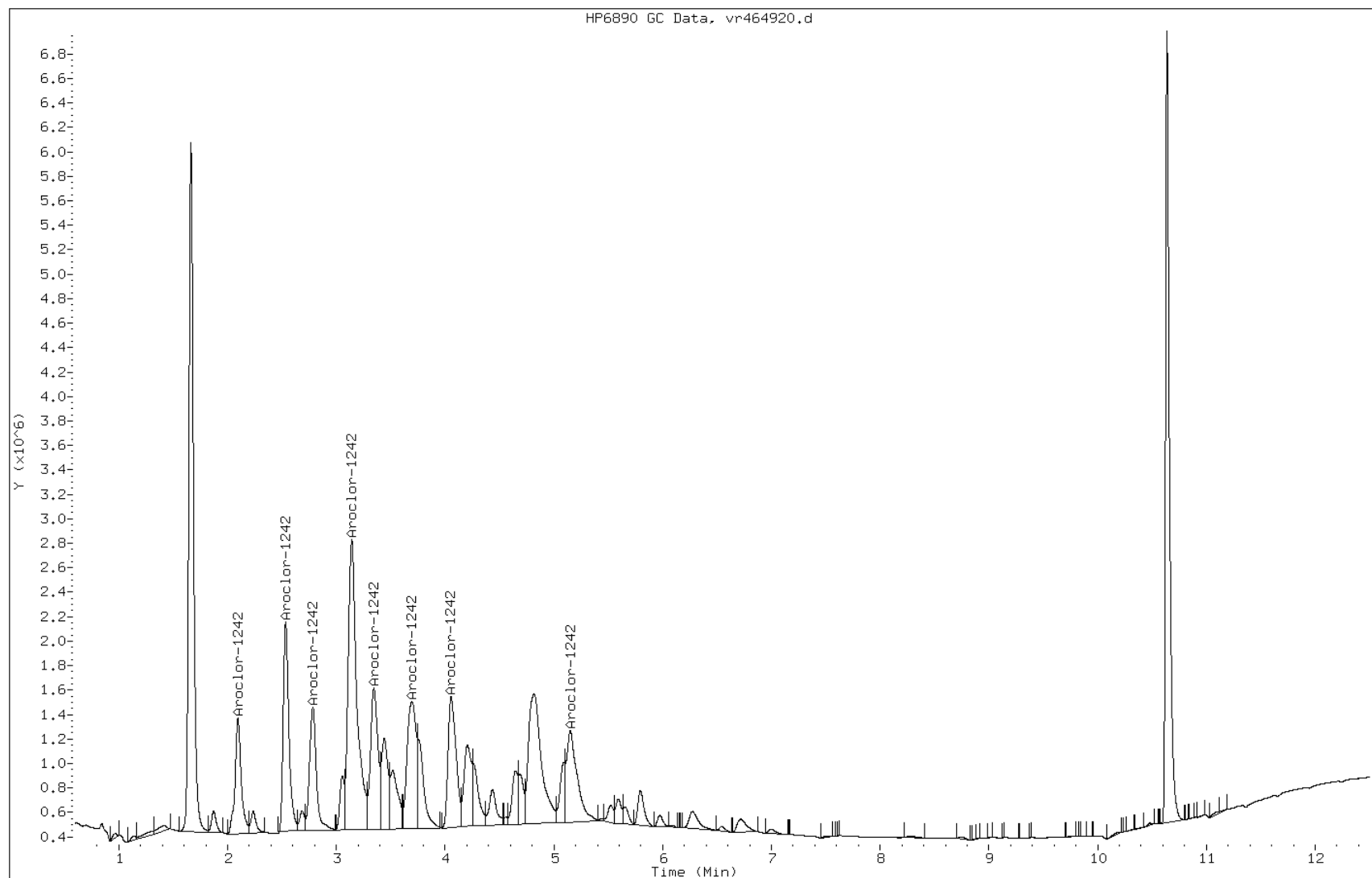
Date: 29-SEP-2011 14:08

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1242L3_00011

Operator: 615



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:24 Calibration End Date: 09/29/2011 14:24 Calibration ID: 12479

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/14	vf464921.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.646										3.576 - 3.716	3.646
PCB-1248 Peak 2	4.492										4.422 - 4.562	4.492
PCB-1248 Peak 3	4.737										4.667 - 4.807	4.737
PCB-1248 Peak 4	5.108										5.038 - 5.178	5.108
PCB-1248 Peak 5	5.567										5.497 - 5.637	5.567
PCB-1248 Peak 6	5.777										5.707 - 5.847	5.777
PCB-1248 Peak 7	6.117										6.047 - 6.187	6.117
PCB-1248 Peak 8	6.296										6.226 - 6.366	6.296

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:24 Calibration End Date: 09/29/2011 14:24 Calibration ID: 12479

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/14	vf464921.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	2104.5				Ave		2104.46100						20.0			
PCB-1248 Peak 2	5381.0				Ave		5380.97200						20.0			
PCB-1248 Peak 3	2365.3				Ave		2365.28800						20.0			
PCB-1248 Peak 4	3439.9				Ave		3439.92100						20.0			
PCB-1248 Peak 5	4370.2				Ave		4370.23900						20.0			
PCB-1248 Peak 6	4771.1				Ave		4771.09100						20.0			
PCB-1248 Peak 7	2625.8				Ave		2625.78600						20.0			
PCB-1248 Peak 8	6427.1				Ave		6427.13200						20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:24 Calibration End Date: 09/29/2011 14:24 Calibration ID: 12479

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/14	vf464921.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	2104461					1000				
PCB-1248 Peak 2	Ave	5380972					1000				
PCB-1248 Peak 3	Ave	2365288					1000				
PCB-1248 Peak 4	Ave	3439921					1000				
PCB-1248 Peak 5	Ave	4370239					1000				
PCB-1248 Peak 6	Ave	4771091					1000				
PCB-1248 Peak 7	Ave	2625786					1000				
PCB-1248 Peak 8	Ave	6427132					1000				

Curve Type Legend:

Ave = Average

Data File: vf464921.d
Report Date: 29-Sep-2011 15:53

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/vf464921.d
Lab Smp Id: IC-SG1248L3_00011
Inj Date : 29-SEP-2011 14:24
Operator : 615
Smp Info : IC-SG1248L3_00011
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/08Vf8082.m
Meth Date : 29-Sep-2011 15:53 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf464924.d
Calibration Sample, Level: 3
Compound Sublist: AR12480.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
25 Aroclor-1248				CAS #: 12672-29-6		
3.646	3.646	0.000	2104461 1000.00	1000	80.00- 120.00	100.00(M)
4.492	4.492	0.000	5380972 1000.00	1000	204.55- 306.83	255.69
4.737	4.737	0.000	2365288 1000.00	1000	89.92- 134.87	112.39
5.108	5.108	0.000	3439921 1000.00	1000	130.77- 196.15	163.46
5.567	5.567	0.000	4370239 1000.00	1000	166.13- 249.20	207.67
5.777	5.777	0.000	4771091 1000.00	1000	181.37- 272.06	226.71
6.117	6.117	0.000	2625786 1000.00	1000	99.82- 149.73	124.77
6.296	6.296	0.000	6427132 1000.00	1000	244.32- 366.49	305.41
Average of Peak Amounts =				1e+03		

Data File: vf464921.d
Report Date: 29-Sep-2011 15:53

QC Flag Legend

M - Compound response manually integrated.

Data File: vf464921.d

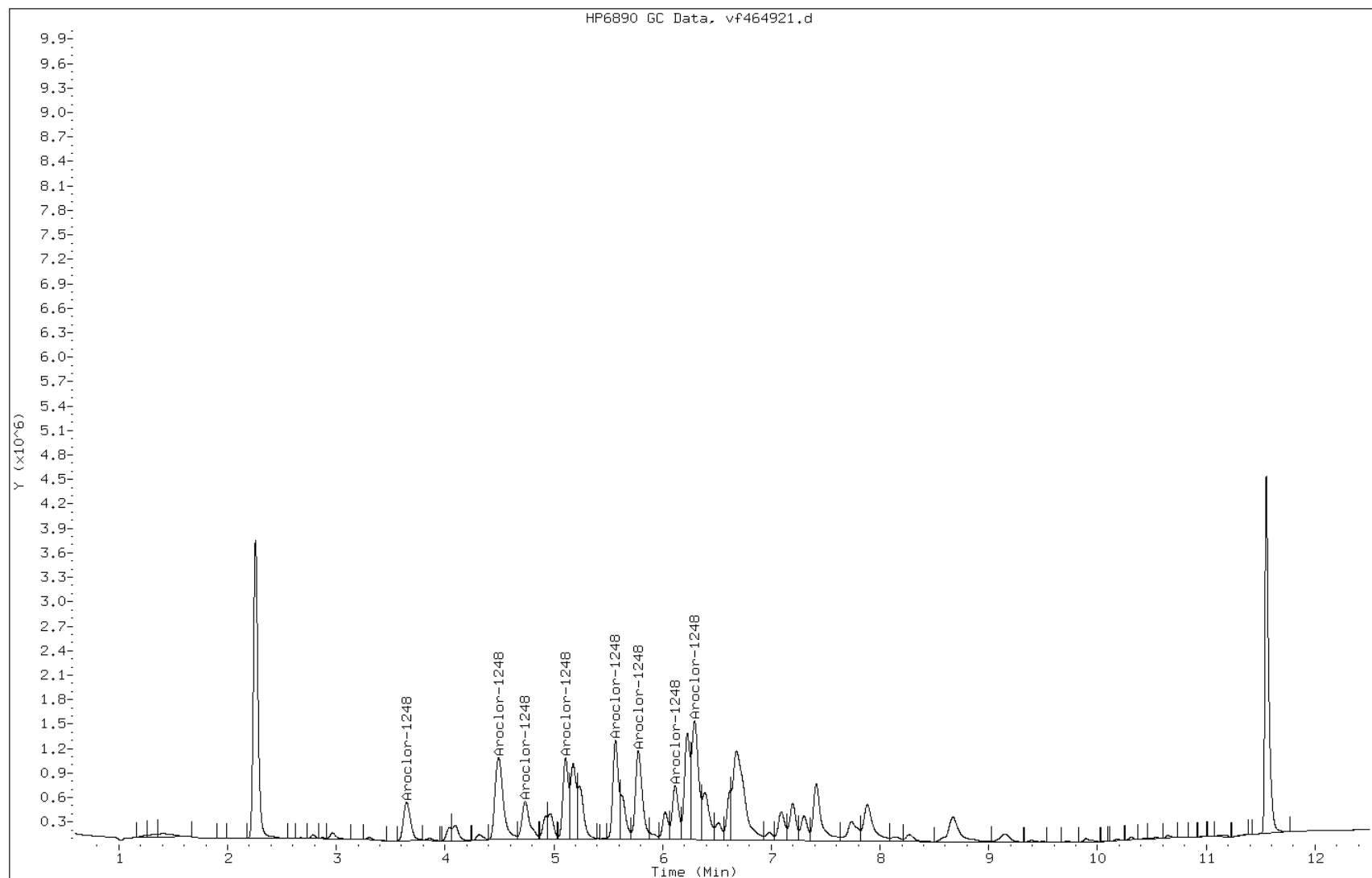
Date: 29-SEP-2011 14:24

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1248L3_00011

Operator: 615



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:24 Calibration End Date: 09/29/2011 14:24 Calibration ID: 12471

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/14	vr464921.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	2.534										2.464 - 2.604	2.534
PCB-1248 Peak 2	3.142										3.072 - 3.212	3.142
PCB-1248 Peak 3	3.359										3.289 - 3.429	3.359
PCB-1248 Peak 4	3.690										3.620 - 3.760	3.690
PCB-1248 Peak 5	4.056										3.986 - 4.126	4.056
PCB-1248 Peak 6	4.202										4.132 - 4.272	4.202
PCB-1248 Peak 7	4.698										4.628 - 4.768	4.698
PCB-1248 Peak 8	5.150										5.080 - 5.220	5.150

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:24 Calibration End Date: 09/29/2011 14:24 Calibration ID: 12471

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/14	vr464921.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	3194.9				Ave		3194.87900						20.0			
PCB-1248 Peak 2	9246.0				Ave		9246.03800						20.0			
PCB-1248 Peak 3	3444.5				Ave		3444.45900						20.0			
PCB-1248 Peak 4	9684.7				Ave		9684.67000						20.0			
PCB-1248 Peak 5	8855.6				Ave		8855.61600						20.0			
PCB-1248 Peak 6	5115.4				Ave		5115.40300						20.0			
PCB-1248 Peak 7	3811.4				Ave		3811.36700						20.0			
PCB-1248 Peak 8	6897.9				Ave		6897.94800						20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:24 Calibration End Date: 09/29/2011 14:24 Calibration ID: 12471

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/14	vr464921.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	3194879					1000				
PCB-1248 Peak 2	Ave	9246038					1000				
PCB-1248 Peak 3	Ave	3444459					1000				
PCB-1248 Peak 4	Ave	9684670					1000				
PCB-1248 Peak 5	Ave	8855616					1000				
PCB-1248 Peak 6	Ave	5115403					1000				
PCB-1248 Peak 7	Ave	3811367					1000				
PCB-1248 Peak 8	Ave	6897948					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/vr464921.d
Lab Smp Id: IC-SG1248L3_00011
Inj Date : 29-SEP-2011 14:24
Operator : 615
Smp Info : IC-SG1248L3_00011
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/08Vr8082.m
Meth Date : 29-Sep-2011 15:49 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
Calibration Sample, Level: 3
Compound Sublist: AR12480.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
25 Aroclor-1248			CAS #: 12672-29-6			
2.534	2.534	0.000	3194879	1000.00	1000 80.00- 120.00	100.00(M)
3.142	3.142	0.000	9246038	1000.00	1000 231.52- 347.28	289.40
3.359	3.359	0.000	3444459	1000.00	1000 86.25- 129.37	107.81
3.690	3.690	0.000	9684670	1000.00	1000 242.50- 363.76	303.13
4.056	4.056	0.000	8855616	1000.00	1000 221.75- 332.62	277.18
4.202	4.202	0.000	5115403	1000.00	1000 128.09- 192.14	160.11
4.698	4.698	0.000	3811367	1000.00	1000 95.44- 143.16	119.30
5.150	5.150	0.000	6897948	1000.00	1000 172.73- 259.09	215.91
Average of Peak Amounts =			1e+03			

Data File: vr464921.d
Report Date: 29-Sep-2011 15:53

Page 2

QC Flag Legend

M - Compound response manually integrated.

Data File: vr464921.d

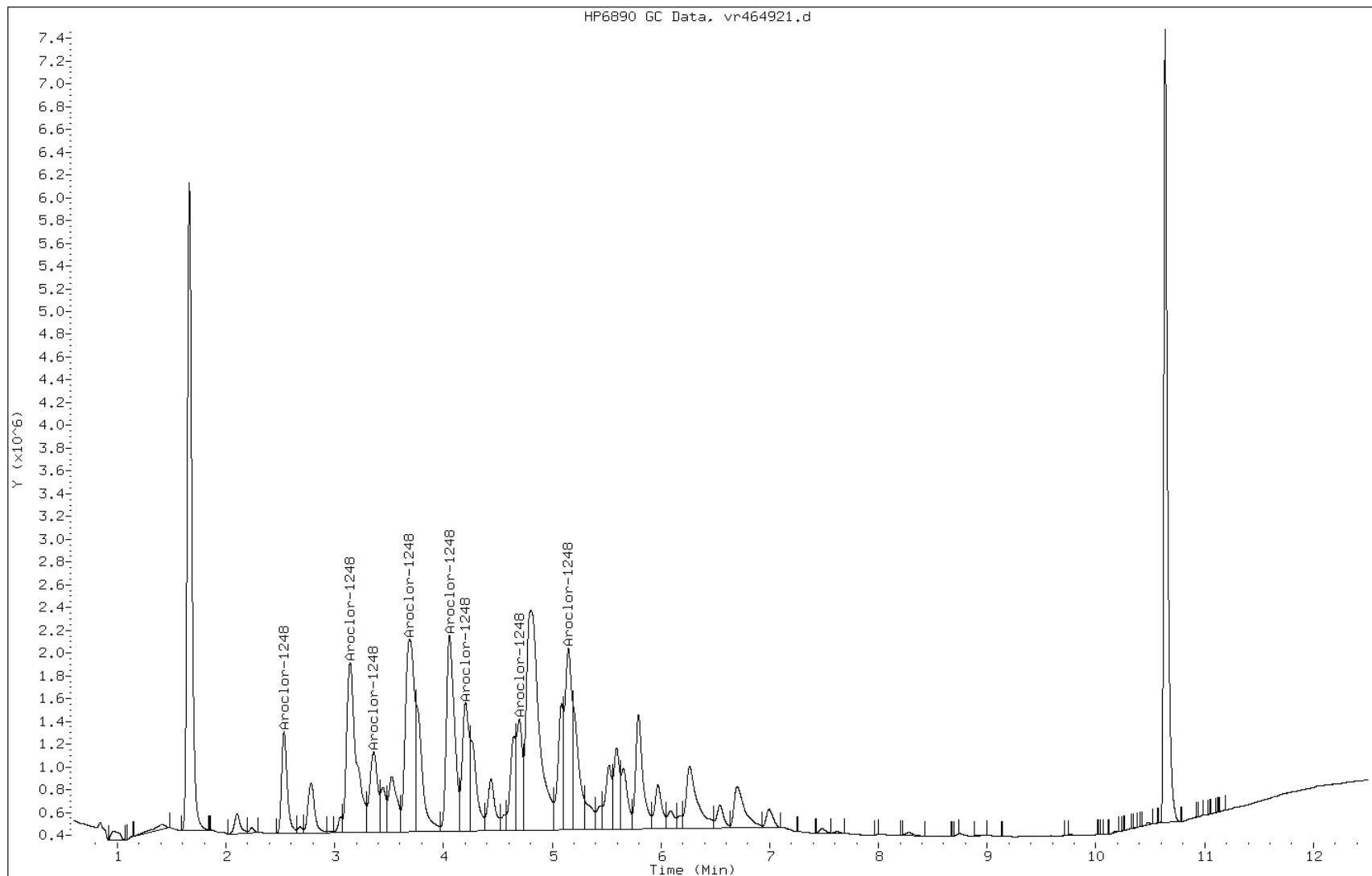
Date: 29-SEP-2011 14:24

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1248L3_00011

Operator: 615



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:39 Calibration End Date: 09/29/2011 14:39 Calibration ID: 12480

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/15	vf464922.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	5.109										5.039 - 5.179	5.109
PCB-1254 Peak 2	6.283										6.213 - 6.353	6.283
PCB-1254 Peak 3	6.615										6.545 - 6.685	6.615
PCB-1254 Peak 4	7.196										7.126 - 7.266	7.196
PCB-1254 Peak 5	7.412										7.342 - 7.482	7.412
PCB-1254 Peak 6	7.878										7.808 - 7.948	7.878
PCB-1254 Peak 7	8.266										8.196 - 8.336	8.266
PCB-1254 Peak 8	8.655										8.585 - 8.725	8.655

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:39 Calibration End Date: 09/29/2011 14:39 Calibration ID: 12480

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/15	vf464922.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1254 Peak 1	3080.1				Ave		3080.07000						20.0			
PCB-1254 Peak 2	6652.6				Ave		6652.61600						20.0			
PCB-1254 Peak 3	6508.3				Ave		6508.33700						20.0			
PCB-1254 Peak 4	4528.3				Ave		4528.28600						20.0			
PCB-1254 Peak 5	10004				Ave		10004.4560						20.0			
PCB-1254 Peak 6	7499.5				Ave		7499.52700						20.0			
PCB-1254 Peak 7	5696.0				Ave		5696.00300						20.0			
PCB-1254 Peak 8	5048.2				Ave		5048.24800						20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:39 Calibration End Date: 09/29/2011 14:39 Calibration ID: 12480

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/15	vf464922.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	3080070					1000				
PCB-1254 Peak 2	Ave	6652616					1000				
PCB-1254 Peak 3	Ave	6508337					1000				
PCB-1254 Peak 4	Ave	4528286					1000				
PCB-1254 Peak 5	Ave	10004456					1000				
PCB-1254 Peak 6	Ave	7499527					1000				
PCB-1254 Peak 7	Ave	5696003					1000				
PCB-1254 Peak 8	Ave	5048248					1000				

Curve Type Legend:

Ave = Average

Data File: vf464922.d
 Report Date: 29-Sep-2011 15:53

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/vf464922.d
 Lab Smp Id: IC-SG1254L3_00011
 Inj Date : 29-SEP-2011 14:39
 Operator : 615
 Smp Info : IC-SG1254L3_00011
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/front/Sep11/09-29-11aical/29sep11a.b/08Vf8082.m
 Meth Date : 29-Sep-2011 15:53 shanthi
 Cal Date : 29-SEP-2011 15:10
 Als bottle: 15
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3

Inst ID: PESTGC9.i
 Quant Type: ESTD
 Cal File: vf464924.d
 Calibration Sample, Level: 3
 Compound Sublist: AR12540.sub
 Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL - AMT		ON - COL	RATIO
			RESPONSE	(ug/L)		
==	=====	=====	=====	=====	=====	=====
26 Aroclor-1254			CAS #: 11097-69-1			
5.109	5.109	0.000	3080070	1000.00	1000 80.00- 120.00	100.00(M)
6.283	6.283	0.000	6652616	1000.00	1000 172.79- 259.19	215.99
6.615	6.615	0.000	6508337	1000.00	1000 169.04- 253.57	211.30
7.196	7.196	0.000	4528286	1000.00	1000 117.62- 176.42	147.02
7.412	7.412	0.000	10004456	1000.00	1000 259.85- 389.78	324.81
7.878	7.878	0.000	7499527	1000.00	1000 194.79- 292.18	243.49
8.266	8.266	0.000	5696003	1000.00	1000 147.94- 221.92	184.93
8.655	8.655	0.000	5048248	1000.00	1000 131.12- 196.68	163.90
Average of Peak Amounts =			1e+03			

Data File: vf464922.d
Report Date: 29-Sep-2011 15:53

QC Flag Legend

M - Compound response manually integrated.

Data File: vf464922.d

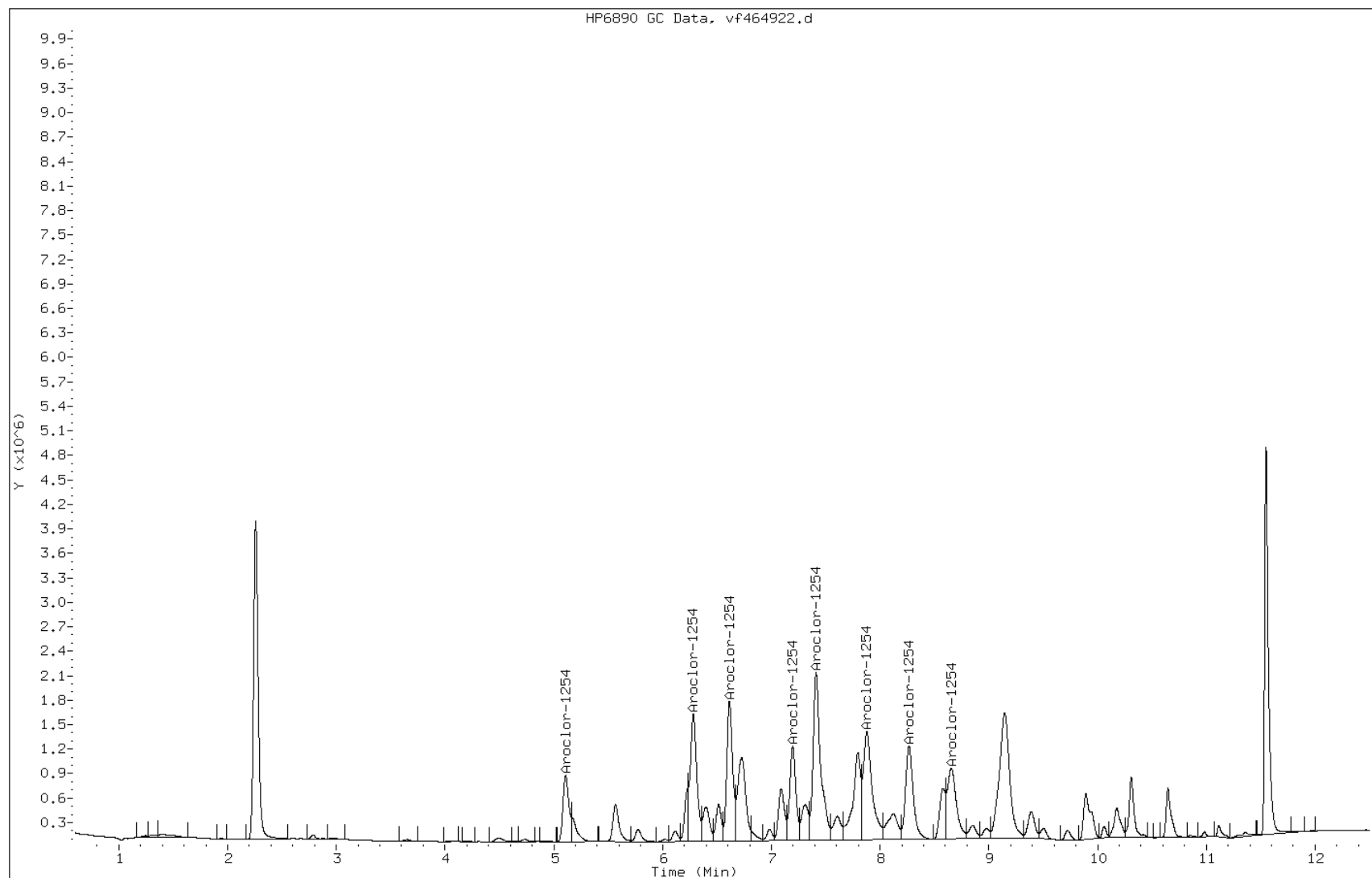
Date: 29-SEP-2011 14:39

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1254L3_00011

Operator: 615



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:39 Calibration End Date: 09/29/2011 14:39 Calibration ID: 12472

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/15	vr464922.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	4.702										4.632 - 4.772	4.702
PCB-1254 Peak 2	4.787										4.717 - 4.857	4.787
PCB-1254 Peak 3	5.147										5.077 - 5.217	5.147
PCB-1254 Peak 4	5.588										5.518 - 5.658	5.588
PCB-1254 Peak 5	6.088										6.018 - 6.158	6.088
PCB-1254 Peak 6	6.255										6.185 - 6.325	6.255
PCB-1254 Peak 7	6.542										6.472 - 6.612	6.542
PCB-1254 Peak 8	6.989										6.919 - 7.059	6.989

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:39 Calibration End Date: 09/29/2011 14:39 Calibration ID: 12472

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/15	vr464922.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1254 Peak 1	8379.2				Ave		8379.21800						20.0			
PCB-1254 Peak 2	6654.6				Ave		6654.63800						20.0			
PCB-1254 Peak 3	11211				Ave		11210.9440						20.0			
PCB-1254 Peak 4	8071.2				Ave		8071.23700						20.0			
PCB-1254 Peak 5	7407.7				Ave		7407.68800						20.0			
PCB-1254 Peak 6	11192				Ave		11192.0910						20.0			
PCB-1254 Peak 7	12377				Ave		12377.2000						20.0			
PCB-1254 Peak 8	14769				Ave		14769.1010						20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-32010-1 Analy Batch No.: 87766

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 14:39 Calibration End Date: 09/29/2011 14:39 Calibration ID: 12472

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87766/15	vr464922.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	8379218					1000				
PCB-1254 Peak 2	Ave	6654638					1000				
PCB-1254 Peak 3	Ave	11210944					1000				
PCB-1254 Peak 4	Ave	8071237					1000				
PCB-1254 Peak 5	Ave	7407688					1000				
PCB-1254 Peak 6	Ave	11192091					1000				
PCB-1254 Peak 7	Ave	12377200					1000				
PCB-1254 Peak 8	Ave	14769101					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/vr464922.d
Lab Smp Id: IC-SG1254L3_00011
Inj Date : 29-SEP-2011 14:39
Operator : 615
Smp Info : IC-SG1254L3_00011
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b/08Vr8082.m
Meth Date : 29-Sep-2011 15:49 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 15
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
Calibration Sample, Level: 3
Compound Sublist: AR12540.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
26 Aroclor-1254			CAS #: 11097-69-1			
4.702	4.702	0.000	8379218 1000.00	1000	80.00- 120.00	100.00(M)
4.787	4.787	0.000	6654638 1000.00	1000	63.53- 95.30	79.42
5.147	5.147	0.000	11210944 1000.00	1000	107.04- 160.55	133.79
5.588	5.588	0.000	8071237 1000.00	1000	77.06- 115.59	96.32
6.088	6.088	0.000	7407688 1000.00	1000	70.72- 106.09	88.41
6.255	6.255	0.000	11192091 1000.00	1000	106.86- 160.28	133.57
6.542	6.542	0.000	12377200 1000.00	1000	118.17- 177.26	147.71
6.989	6.989	0.000	14769101 1000.00	1000	141.01- 211.51	176.26
Average of Peak Amounts =			1e+03			

Data File: vr464922.d
Report Date: 29-Sep-2011 15:53

Page 2

QC Flag Legend

M - Compound response manually integrated.

Data File: vr464922.d

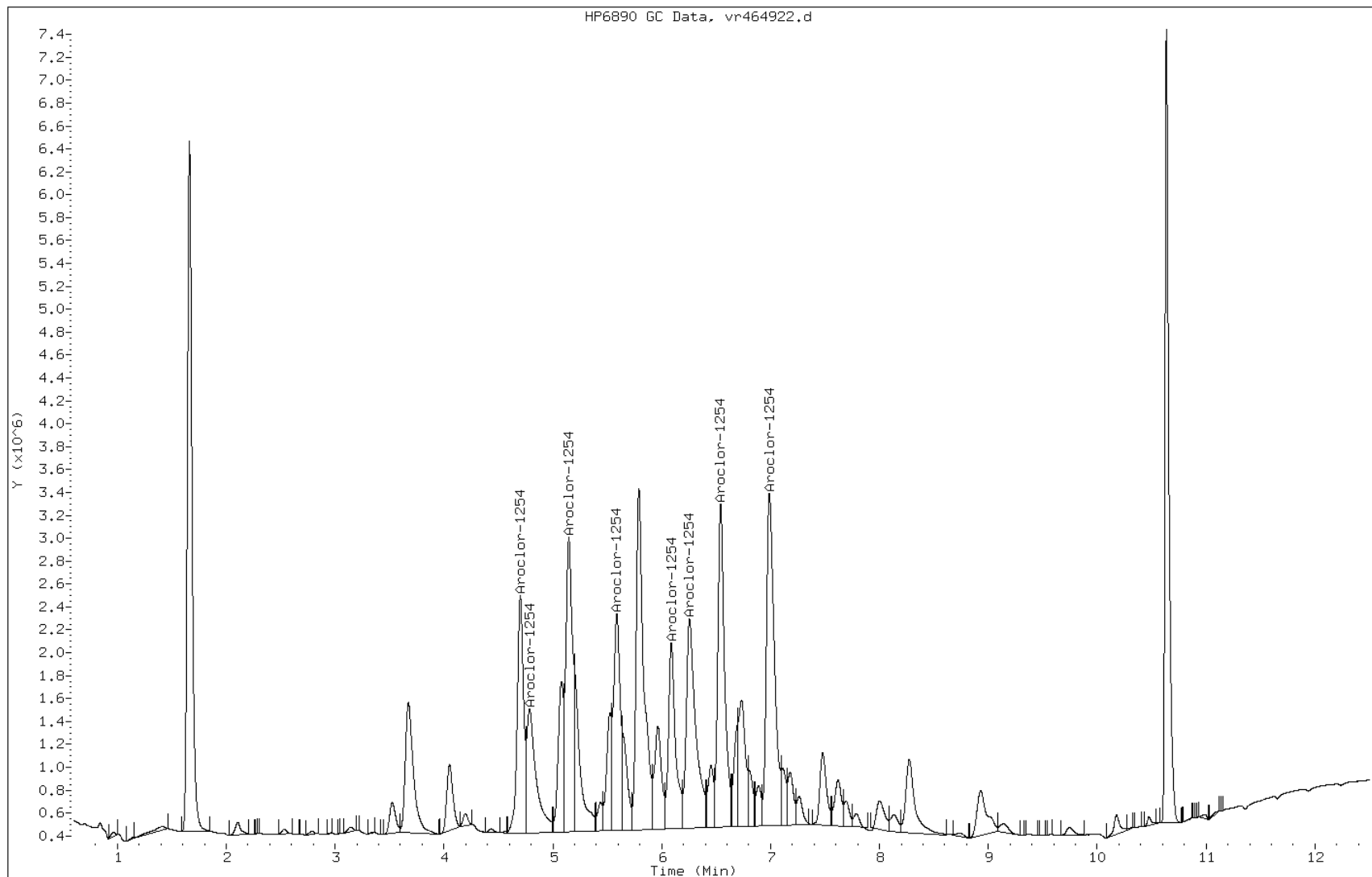
Date: 29-SEP-2011 14:39

Client ID:

Instrument: PESTGC9.i

Sample Info: IC-SG1254L3_00011

Operator: 615



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-89110/4 Calibration Date: 10/11/2011 08:31
 Instrument ID: PESTGC9 Calib Start Date: 09/29/2011 12:19
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/29/2011 13:21
 Lab File ID: vf465401.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	2445	2698		1100	1000	10.3	15.0
PCB-1016 Peak 2	Ave	5096	5259		1030	1000	3.2	15.0
PCB-1016 Peak 3	Ave	2239	2528		1130	1000	12.9	15.0
PCB-1016 Peak 4	Ave	10112	10309		1020	1000	1.9	15.0
PCB-1016 Peak 5	Ave	4613	4969		1080	1000	7.7	15.0
PCB-1016 Peak 6	Ave	2805	2909		1040	1000	3.7	15.0
PCB-1016 Peak 7	Ave	3295	3469		1050	1000	5.3	15.0
PCB-1016 Peak 8	Ave	3431	3451		1010	1000	0.6	15.0
PCB-1260 Peak 1	Ave	3753	4059		1080	1000	8.2	15.0
PCB-1260 Peak 2	Ave	7535	8056		1070	1000	6.9	15.0
PCB-1260 Peak 3	Ave	8953	9645		1080	1000	7.7	15.0
PCB-1260 Peak 4	Ave	6514	7128		1090	1000	9.4	15.0
PCB-1260 Peak 5	Ave	3535	3801		1080	1000	7.5	15.0
PCB-1260 Peak 6	Ave	5841	6459		1110	1000	10.6	15.0
PCB-1260 Peak 7	Ave	7331	8220		1120	1000	12.1	15.0
PCB-1260 Peak 8	Ave	3133	3261		1040	1000	4.1	15.0
DCB Decachlorobiphenyl	Ave	94023	90318		96.1	100	-3.9	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-89110/4 Calibration Date: 10/11/2011 08:31
 Instrument ID: PESTGC9 Calib Start Date: 09/29/2011 12:19
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/29/2011 13:21
 Lab File ID: vf465401.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.97	2.90	3.04
PCB-1016 Peak 2	3.66	3.59	3.73
PCB-1016 Peak 3	4.10	4.03	4.17
PCB-1016 Peak 4	4.50	4.43	4.57
PCB-1016 Peak 5	4.75	4.68	4.82
PCB-1016 Peak 6	5.18	5.11	5.25
PCB-1016 Peak 7	5.57	5.50	5.64
PCB-1016 Peak 8	5.78	5.71	5.85
PCB-1260 Peak 1	7.48	7.41	7.55
PCB-1260 Peak 2	7.80	7.72	7.86
PCB-1260 Peak 3	8.26	8.19	8.33
PCB-1260 Peak 4	9.38	9.31	9.45
PCB-1260 Peak 5	9.50	9.43	9.57
PCB-1260 Peak 6	9.95	9.87	10.01
PCB-1260 Peak 7	10.64	10.57	10.71
PCB-1260 Peak 8	11.12	11.04	11.18
DCB Decachlorobiphenyl	11.56	11.45	11.65

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/vf465401.d
Lab Smp Id: CCVRTSG1660L3_00013
Inj Date : 11-OCT-2011 08:31
Operator : 615
Smp Info : CCVRT-SG1660L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/08Vf8082.m
Meth Date : 11-Oct-2011 15:44 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf464924.d
Continuing Calibration Sample
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
			CAL - AMT		ON - COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
21 Aroclor-1016					CAS #: 12674-11-2				
2.973	2.971	0.002	2698183	1000.00	1100	80.00-	120.00	100.00(M)	
3.658	3.656	0.002	5259312	1000.00	1000	155.90-	233.86	194.92	
4.101	4.099	0.002	2528059	1000.00	1100	73.93-	110.89	93.69	
4.505	4.504	0.001	10308718	1000.00	1000	306.39-	459.59	382.06	
4.748	4.746	0.002	4968604	1000.00	1100	148.66-	222.98	184.15	
5.182	5.180	0.002	2909114	1000.00	1000	87.15-	130.72	107.82	
5.570	5.569	0.001	3468672	1000.00	1000	99.78-	149.66	128.56	
5.781	5.779	0.002	3450807	1000.00	1000	111.03-	166.55	127.89	
Average of Peak Amounts =					1.06e+03				

27 Aroclor-1260					CAS #: 11096-82-5				
7.482	7.480	0.002	4059173	1000.00	1100	80.00-	120.00	100.00(M)	

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
7.796	7.794	0.002	8056411	1000.00	1100	158.55-	237.82	198.47
8.263	8.261	0.002	9644879	1000.00	1100	189.83-	284.75	237.61
9.381	9.380	0.001	7128046	1000.00	1100	140.41-	210.62	175.60
9.501	9.500	0.001	3801195	1000.00	1100	75.53-	113.30	93.64
9.946	9.944	0.002	6459246	1000.00	1100	128.19-	192.28	159.13
10.645	10.643	0.002	8219695	1000.00	1100	152.57-	228.85	202.50
11.119	11.114	0.005	3261416	1000.00	1000	64.42-	96.62	80.35
Average of Peak Amounts =					1.08e+03			

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3			
11.561	11.552	0.009	9031811	100.000	96	80.00-	120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: vf465401.d

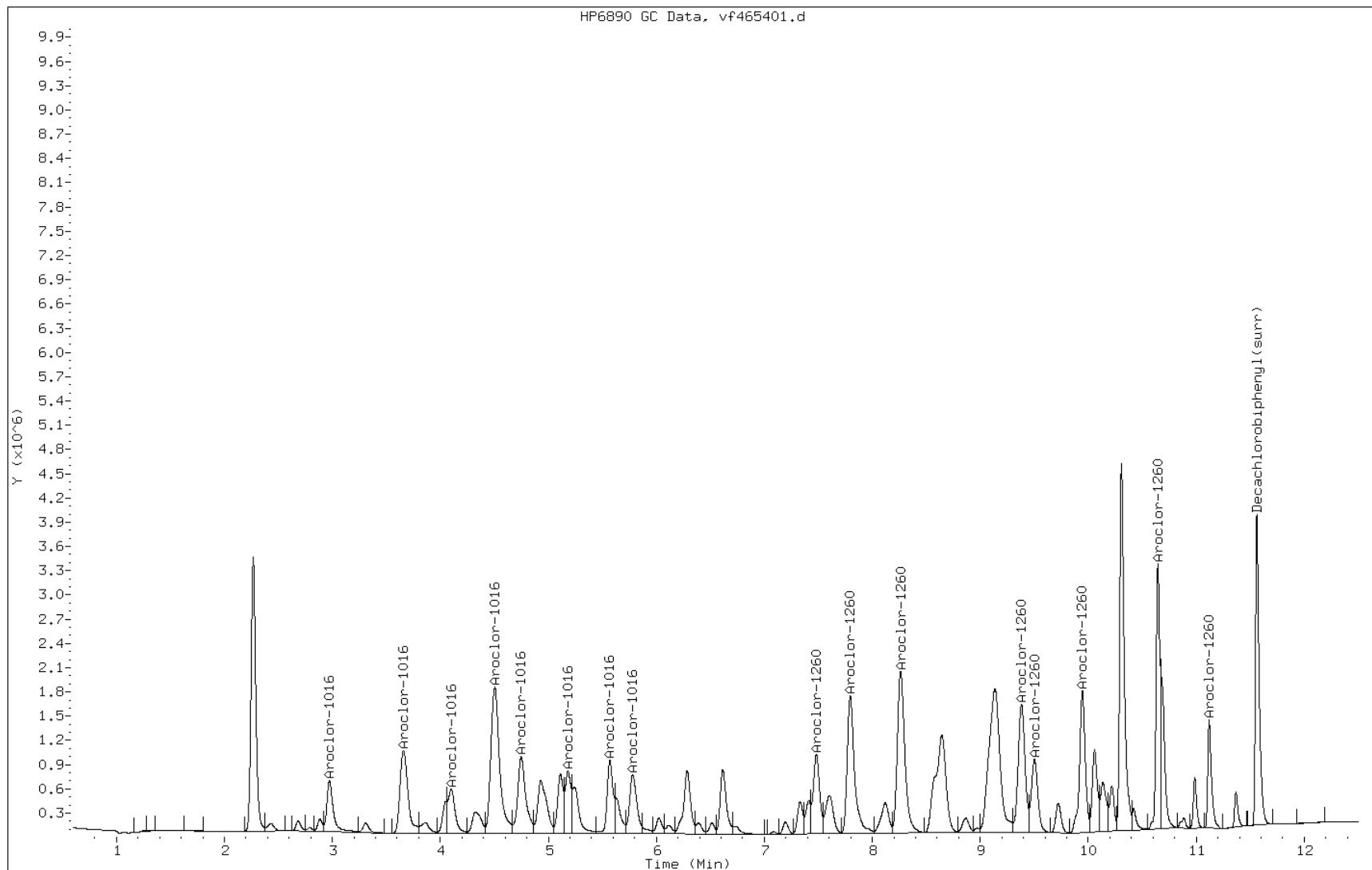
Date: 11-OCT-2011 08:31

Client ID:

Instrument: PESTGC9.i

Sample Info: CCVRT-SG1660L3_00013

Operator: 615



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-89110/4 Calibration Date: 10/11/2011 08:31
 Instrument ID: PESTGC9 Calib Start Date: 09/29/2011 12:19
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/29/2011 13:21
 Lab File ID: vr465401.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	4000	3949		987	1000	-1.3	15.0
PCB-1016 Peak 2	Ave	7518	7395		984	1000	-1.6	15.0
PCB-1016 Peak 3	Ave	5093	5325		1050	1000	4.6	15.0
PCB-1016 Peak 4	Ave	15565	15644		1010	1000	0.5	15.0
PCB-1016 Peak 5	Ave	6140	6431		1050	1000	4.7	15.0
PCB-1016 Peak 6	Ave	6918	7178		1040	1000	3.8	15.0
PCB-1016 Peak 7	Ave	6082	6170		1010	1000	1.5	15.0
PCB-1016 Peak 8	Ave	2921	2876		984	1000	-1.6	15.0
PCB-1260 Peak 1	Ave	10006	10336		1030	1000	3.3	15.0
PCB-1260 Peak 2	Ave	18664	19290		1030	1000	3.4	15.0
PCB-1260 Peak 3	Ave	16384	16766		1020	1000	2.3	15.0
PCB-1260 Peak 4	Ave	9570	9586		1000	1000	0.2	15.0
PCB-1260 Peak 5	Ave	8023	8349		1040	1000	4.1	15.0
PCB-1260 Peak 6	Ave	8620	10028		1160	1000	16.3*	15.0
PCB-1260 Peak 7	Ave	7114	7000		984	1000	-1.6	15.0
PCB-1260 Peak 8	Ave	5211	5676		1090	1000	8.9	15.0
DCB Decachlorobiphenyl	Ave	149065	147388		98.9	100	-1.1	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-89110/4 Calibration Date: 10/11/2011 08:31
 Instrument ID: PESTGC9 Calib Start Date: 09/29/2011 12:19
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/29/2011 13:21
 Lab File ID: vr465401.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.10	2.03	2.17
PCB-1016 Peak 2	2.54	2.47	2.61
PCB-1016 Peak 3	2.79	2.72	2.86
PCB-1016 Peak 4	3.15	3.07	3.21
PCB-1016 Peak 5	3.35	3.28	3.42
PCB-1016 Peak 6	3.70	3.62	3.76
PCB-1016 Peak 7	4.05	3.98	4.12
PCB-1016 Peak 8	4.20	4.13	4.27
PCB-1260 Peak 1	6.08	6.01	6.15
PCB-1260 Peak 2	6.54	6.47	6.61
PCB-1260 Peak 3	6.98	6.91	7.05
PCB-1260 Peak 4	7.18	7.11	7.25
PCB-1260 Peak 5	7.61	7.54	7.68
PCB-1260 Peak 6	8.91	8.84	8.98
PCB-1260 Peak 7	9.13	9.06	9.20
PCB-1260 Peak 8	10.17	10.10	10.24
DCB Decachlorobiphenyl	10.63	10.53	10.73

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/vr465401.d
Lab Smp Id: CCVRTSG1660L3_00013
Inj Date : 11-OCT-2011 08:31
Operator : 615
Smp Info : CCVRT-SG1660L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/08Vr8082.m
Meth Date : 11-Oct-2011 15:34 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
Continuing Calibration Sample
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
21 Aroclor-1016			CAS #: 12674-11-2			
2.102	2.102	0.000	3948980 1000.00	990 80.00- 120.00	100.00(M)	
2.539	2.538	0.001	7395464 1000.00	980 149.88- 224.82	187.28	
2.788	2.787	0.001	5325416 1000.00	1000 107.67- 161.50	134.86	
3.146	3.144	0.002	15643744 1000.00	1000 316.08- 474.12	396.15	
3.350	3.349	0.001	6431093 1000.00	1000 129.32- 193.97	162.85	
3.696	3.694	0.002	7178016 1000.00	1000 133.32- 199.98	181.77	
4.055	4.054	0.001	6169954 1000.00	1000 125.57- 188.36	156.24	
4.204	4.203	0.001	2875914 1000.00	980 58.58- 87.87	72.83	
Average of Peak Amounts =			1.01e+03			
27 Aroclor-1260			CAS #: 11096-82-5			
6.084	6.083	0.001	10336000 1000.00	1000 80.00- 120.00	100.00	

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.537	6.535	0.002	19290347	1000.00	1000	145.83-	218.75	186.63	
6.981	6.979	0.002	16766296	1000.00	1000	127.16-	190.73	162.21	
7.178	7.177	0.001	9586424	1000.00	1000	72.42-	108.62	92.75	
7.615	7.614	0.001	8349328	1000.00	1000	63.51-	95.26	80.78	
8.911	8.911	0.000	10028234	1000.00	1200	74.32-	111.48	97.02	
9.131	9.131	0.000	7000219	1000.00	980	51.10-	76.65	67.73	
10.169	10.169	0.000	5675537	1000.00	1100	44.00-	66.00	54.91	
Average of Peak Amounts =					1.05e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.633	10.632	0.001	14738790	100.000	99	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr465401.d

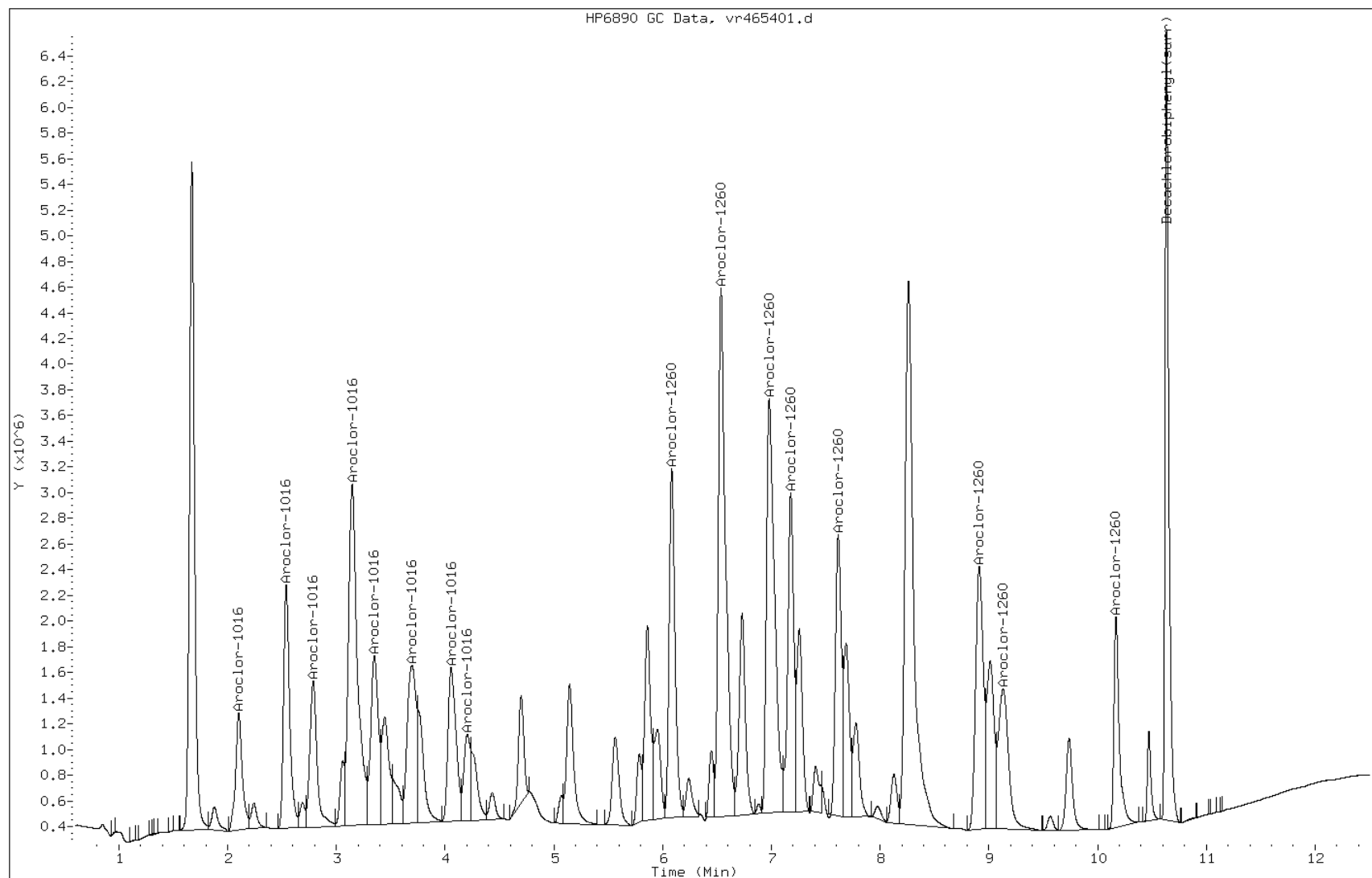
Date: 11-OCT-2011 08:31

Client ID:

Instrument: PESTGC9.i

Sample Info: CCVRT-SG1660L3_00013

Operator: 615



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCV 460-89110/22 Calibration Date: 10/11/2011 14:40
 Instrument ID: PESTGC9 Calib Start Date: 09/29/2011 12:19
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/29/2011 13:21
 Lab File ID: vf465421.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	2445	2696		1100	1000	10.3	15.0
PCB-1016 Peak 2	Ave	5096	5254		1030	1000	3.1	15.0
PCB-1016 Peak 3	Ave	2239	2492		1110	1000	11.3	15.0
PCB-1016 Peak 4	Ave	10112	10326		1020	1000	2.1	15.0
PCB-1016 Peak 5	Ave	4613	5010		1090	1000	8.6	15.0
PCB-1016 Peak 6	Ave	2805	2937		1050	1000	4.7	15.0
PCB-1016 Peak 7	Ave	3295	3363		1020	1000	2.0	15.0
PCB-1016 Peak 8	Ave	3431	3742		1090	1000	9.1	15.0
PCB-1260 Peak 1	Ave	3753	4055		1080	1000	8.0	15.0
PCB-1260 Peak 2	Ave	7535	8035		1070	1000	6.6	15.0
PCB-1260 Peak 3	Ave	8953	9621		1070	1000	7.5	15.0
PCB-1260 Peak 4	Ave	6514	7116		1090	1000	9.2	15.0
PCB-1260 Peak 5	Ave	3535	3828		1080	1000	8.3	15.0
PCB-1260 Peak 6	Ave	5841	6497		1110	1000	11.2	15.0
PCB-1260 Peak 7	Ave	7331	7732		1050	1000	5.5	15.0
PCB-1260 Peak 8	Ave	3133	3265		1040	1000	4.2	15.0
DCB Decachlorobiphenyl	Ave	94023	91639		97.5	100	-2.5	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCV 460-89110/22 Calibration Date: 10/11/2011 14:40
 Instrument ID: PESTGC9 Calib Start Date: 09/29/2011 12:19
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/29/2011 13:21
 Lab File ID: vf465421.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.97	2.90	3.04
PCB-1016 Peak 2	3.66	3.59	3.73
PCB-1016 Peak 3	4.10	4.03	4.17
PCB-1016 Peak 4	4.50	4.43	4.57
PCB-1016 Peak 5	4.75	4.68	4.82
PCB-1016 Peak 6	5.18	5.11	5.25
PCB-1016 Peak 7	5.57	5.50	5.64
PCB-1016 Peak 8	5.78	5.71	5.85
PCB-1260 Peak 1	7.48	7.41	7.55
PCB-1260 Peak 2	7.79	7.72	7.86
PCB-1260 Peak 3	8.26	8.19	8.33
PCB-1260 Peak 4	9.38	9.31	9.45
PCB-1260 Peak 5	9.50	9.43	9.57
PCB-1260 Peak 6	9.94	9.87	10.01
PCB-1260 Peak 7	10.64	10.57	10.71
PCB-1260 Peak 8	11.11	11.04	11.18
DCB Decachlorobiphenyl	11.55	11.45	11.65

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/vf465421.d
Lab Smp Id: CCV-SG1660L3_00013
Inj Date : 11-OCT-2011 14:40
Operator : 615
Smp Info : CCV-SG1660L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/08Vf8082.m
Meth Date : 11-Oct-2011 15:44 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf464924.d
Continuing Calibration Sample
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
21 Aroclor-1016			CAS #: 12674-11-2			
2.971	2.971	0.000	2696115	1000.00	1100 80.00- 120.00	100.00(M)
3.656	3.656	0.000	5254217	1000.00	1000 155.90- 233.86	194.88
4.099	4.099	0.000	2491545	1000.00	1100 73.93- 110.89	92.41
4.504	4.504	0.000	10325817	1000.00	1000 306.39- 459.59	382.99
4.746	4.746	0.000	5009906	1000.00	1100 148.66- 222.98	185.82
5.180	5.180	0.000	2937066	1000.00	1000 87.15- 130.72	108.94
5.569	5.569	0.000	3362581	1000.00	1000 99.78- 149.66	124.72
5.779	5.779	0.000	3742021	1000.00	1100 111.03- 166.55	138.79
Average of Peak Amounts =			1.06e+03			
27 Aroclor-1260			CAS #: 11096-82-5			
7.480	7.480	0.000	4054505	1000.00	1100 80.00- 120.00	100.00(M)

AMOUNTS									
			CAL -AMT		ON -COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
7.794	7.794	0.000	8035471	1000.00	1100	158.55-	237.82	198.19	
8.261	8.261	0.000	9621061	1000.00	1100	189.83-	284.75	237.29	
9.380	9.380	0.000	7116175	1000.00	1100	140.41-	210.62	175.51	
9.500	9.500	0.000	3828065	1000.00	1100	75.53-	113.30	94.42	
9.944	9.944	0.000	6496770	1000.00	1100	128.19-	192.28	160.24	
10.643	10.643	0.000	7732333	1000.00	1000	152.57-	228.85	190.71	
11.114	11.114	0.000	3264710	1000.00	1000	64.42-	96.62	80.52	
Average of Peak Amounts =					1.08e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.552	11.552	0.000	9163888	100.000	97	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vf465421.d

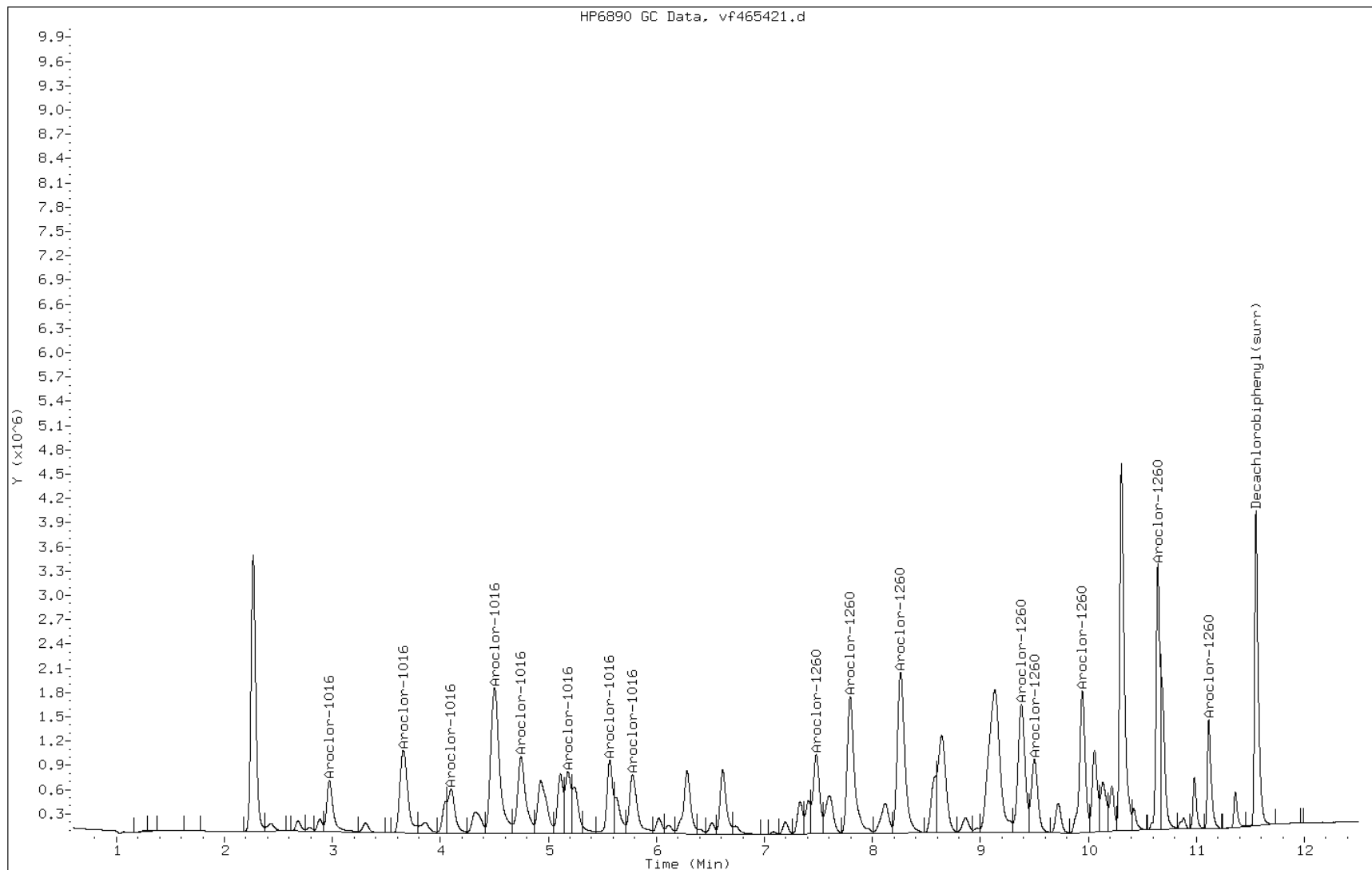
Date: 11-OCT-2011 14:40

Client ID:

Instrument: PESTGC9.i

Sample Info: CCV-SG1660L3_00013

Operator: 615



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: CCV 460-89110/22 Calibration Date: 10/11/2011 14:40
 Instrument ID: PESTGC9 Calib Start Date: 09/29/2011 12:19
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/29/2011 13:21
 Lab File ID: vr465421.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	4000	3933		983	1000	-1.7	15.0
PCB-1016 Peak 2	Ave	7518	7368		980	1000	-2.0	15.0
PCB-1016 Peak 3	Ave	5093	5293		1040	1000	3.9	15.0
PCB-1016 Peak 4	Ave	15565	15539		998	1000	-0.2	15.0
PCB-1016 Peak 5	Ave	6140	6357		1040	1000	3.5	15.0
PCB-1016 Peak 6	Ave	6918	6554		947	1000	-5.3	15.0
PCB-1016 Peak 7	Ave	6082	6173		1020	1000	1.5	15.0
PCB-1016 Peak 8	Ave	2921	2880		986	1000	-1.4	15.0
PCB-1260 Peak 1	Ave	10006	10516		1050	1000	5.1	15.0
PCB-1260 Peak 2	Ave	18664	19169		1030	1000	2.7	15.0
PCB-1260 Peak 3	Ave	16384	16714		1020	1000	2.0	15.0
PCB-1260 Peak 4	Ave	9570	9519		995	1000	-0.5	15.0
PCB-1260 Peak 5	Ave	8023	8348		1040	1000	4.0	15.0
PCB-1260 Peak 6	Ave	8620	9769		1130	1000	13.3	15.0
PCB-1260 Peak 7	Ave	7114	6717		944	1000	-5.6	15.0
PCB-1260 Peak 8	Ave	5211	5784		1110	1000	11.0	15.0
DCB Decachlorobiphenyl	Ave	149065	146999		98.6	100	-1.4	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Lab Sample ID: CCV 460-89110/22 Calibration Date: 10/11/2011 14:40
Instrument ID: PESTGC9 Calib Start Date: 09/29/2011 12:19
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/29/2011 13:21
Lab File ID: vr465421.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.10	2.03	2.17
PCB-1016 Peak 2	2.54	2.47	2.61
PCB-1016 Peak 3	2.79	2.72	2.86
PCB-1016 Peak 4	3.14	3.07	3.21
PCB-1016 Peak 5	3.35	3.28	3.42
PCB-1016 Peak 6	3.69	3.62	3.76
PCB-1016 Peak 7	4.05	3.98	4.12
PCB-1016 Peak 8	4.20	4.13	4.27
PCB-1260 Peak 1	6.08	6.01	6.15
PCB-1260 Peak 2	6.54	6.47	6.61
PCB-1260 Peak 3	6.98	6.91	7.05
PCB-1260 Peak 4	7.18	7.11	7.25
PCB-1260 Peak 5	7.61	7.54	7.68
PCB-1260 Peak 6	8.91	8.84	8.98
PCB-1260 Peak 7	9.13	9.06	9.20
PCB-1260 Peak 8	10.17	10.10	10.24
DCB Decachlorobiphenyl	10.63	10.53	10.73

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/vr465421.d
Lab Smp Id: CCV-SG1660L3_00013
Inj Date : 11-OCT-2011 14:40
Operator : 615
Smp Info : CCV-SG1660L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/08Vr8082.m
Meth Date : 11-Oct-2011 15:34 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
Continuing Calibration Sample
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL -AMT		ON -COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.102	2.102	0.000	3932917	1000.00	980	80.00-	120.00	100.00(M)
2.538	2.538	0.000	7368183	1000.00	980	149.88-	224.82	187.35
2.787	2.787	0.000	5293007	1000.00	1000	107.67-	161.50	134.58
3.144	3.144	0.000	15538994	1000.00	1000	316.08-	474.12	395.10
3.349	3.349	0.000	6357329	1000.00	1000	129.32-	193.97	161.64
3.694	3.694	0.000	6554068	1000.00	950	133.32-	199.98	166.65
4.054	4.054	0.000	6173430	1000.00	1000	125.57-	188.36	156.97
4.203	4.203	0.000	2879773	1000.00	980	58.58-	87.87	73.22
Average of Peak Amounts =					998			

27 Aroclor-1260					CAS #: 11096-82-5			
6.083	6.083	0.000	10515606	1000.00	1000	80.00-	120.00	100.00(M)

AMOUNTS									
			CAL -AMT		ON -COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.535	6.535	0.000	19168711	1000.00	1000	145.83-	218.75	182.29	
6.979	6.979	0.000	16713905	1000.00	1000	127.16-	190.73	158.94	
7.177	7.177	0.000	9518657	1000.00	990	72.42-	108.62	90.52	
7.614	7.614	0.000	8347716	1000.00	1000	63.51-	95.26	79.38	
8.911	8.911	0.000	9768971	1000.00	1100	74.32-	111.48	92.90	
9.131	9.131	0.000	6716949	1000.00	940	51.10-	76.65	63.88	
10.169	10.169	0.000	5784009	1000.00	1100	44.00-	66.00	55.00	
Average of Peak Amounts =					1.04e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.632	10.632	0.000	14699888	100.000	99	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr465421.d

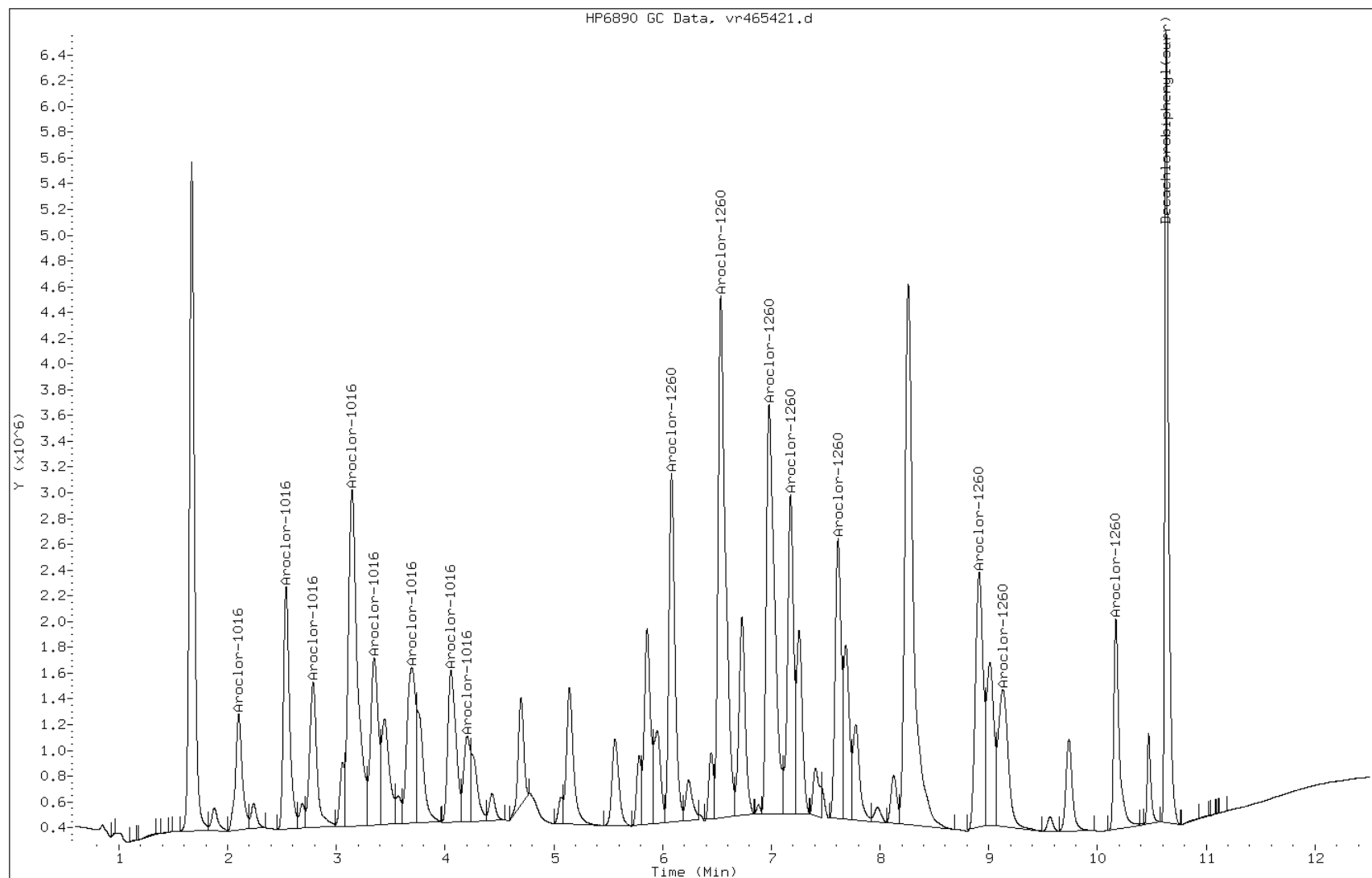
Date: 11-OCT-2011 14:40

Client ID:

Instrument: PESTGC9.i

Sample Info: CCV-SG1660L3_00013

Operator: 615



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-88999/1-A
Matrix: Solid Lab File ID: vf465402.d
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3541 Date Extracted: 10/11/2011 03:23
Sample wt/vol: 15.00(g) Date Analyzed: 10/11/2011 09:38
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 89110 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	117		30-150

Data File: vf465402.d
Report Date: 11-Oct-2011 15:51

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/vf465402.d
Lab Smp Id: MB 460-88999/1-A
Inj Date : 11-OCT-2011 09:38
Operator : 615
Smp Info : MB 460-88999/1-A
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/08Vf8082.m
Meth Date : 11-Oct-2011 15:44 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf464924.d
QC Sample: BLANK
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr) CAS #: 2051-24-3						
11.584	11.552	0.032	5487630	58.3650	39 80.00- 120.00	100.00

Data File: vf465402.d

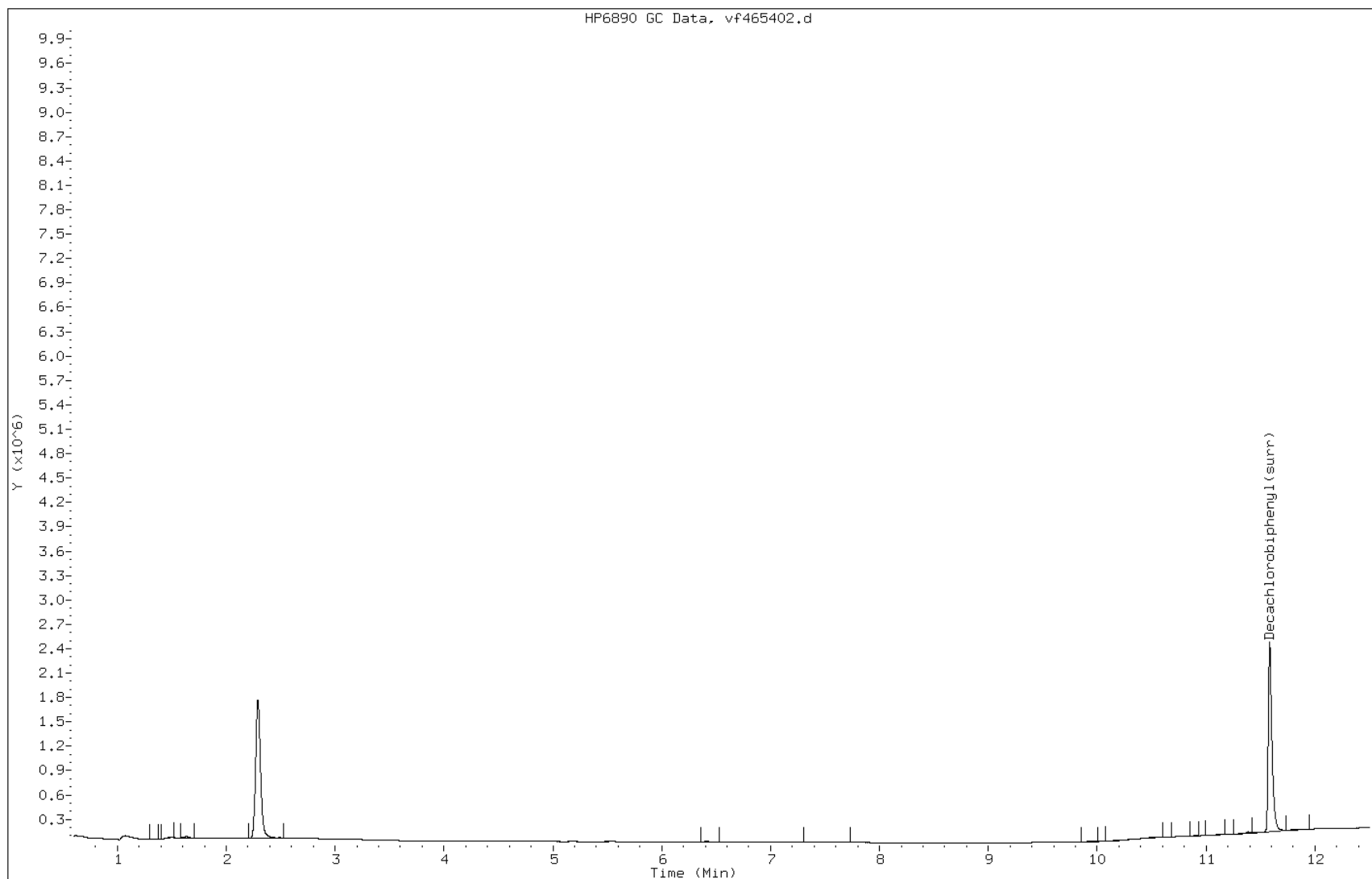
Date: 11-OCT-2011 09:38

Client ID:

Instrument: PESTGC9.i

Sample Info: MB 460-88999/1-A

Operator: 615



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-88999/1-A
 Matrix: Solid Lab File ID: vr465402.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3541 Date Extracted: 10/11/2011 03:23
 Sample wt/vol: 15.00(g) Date Analyzed: 10/11/2011 09:38
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89110 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	67	U	67	13
11104-28-2	PCB-1221	67	U	67	20
11141-16-5	PCB-1232	67	U	67	38
53469-21-9	PCB-1242	67	U	67	13
12672-29-6	PCB-1248	67	U	67	18
11097-69-1	PCB-1254	67	U	67	23
11096-82-5	PCB-1260	67	U	67	7.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	116		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/vr465402.d
Lab Smp Id: MB 460-88999/1-A
Inj Date : 11-OCT-2011 09:38
Operator : 615
Smp Info : MB 460-88999/1-A
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/08Vr8082.m
Meth Date : 11-Oct-2011 15:34 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
QC Sample: BLANK
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
		ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr) CAS #: 2051-24-3						
10.637	10.632	0.005	8676728	58.2079	39 80.00- 120.00	100.00

Data File: vr465402.d

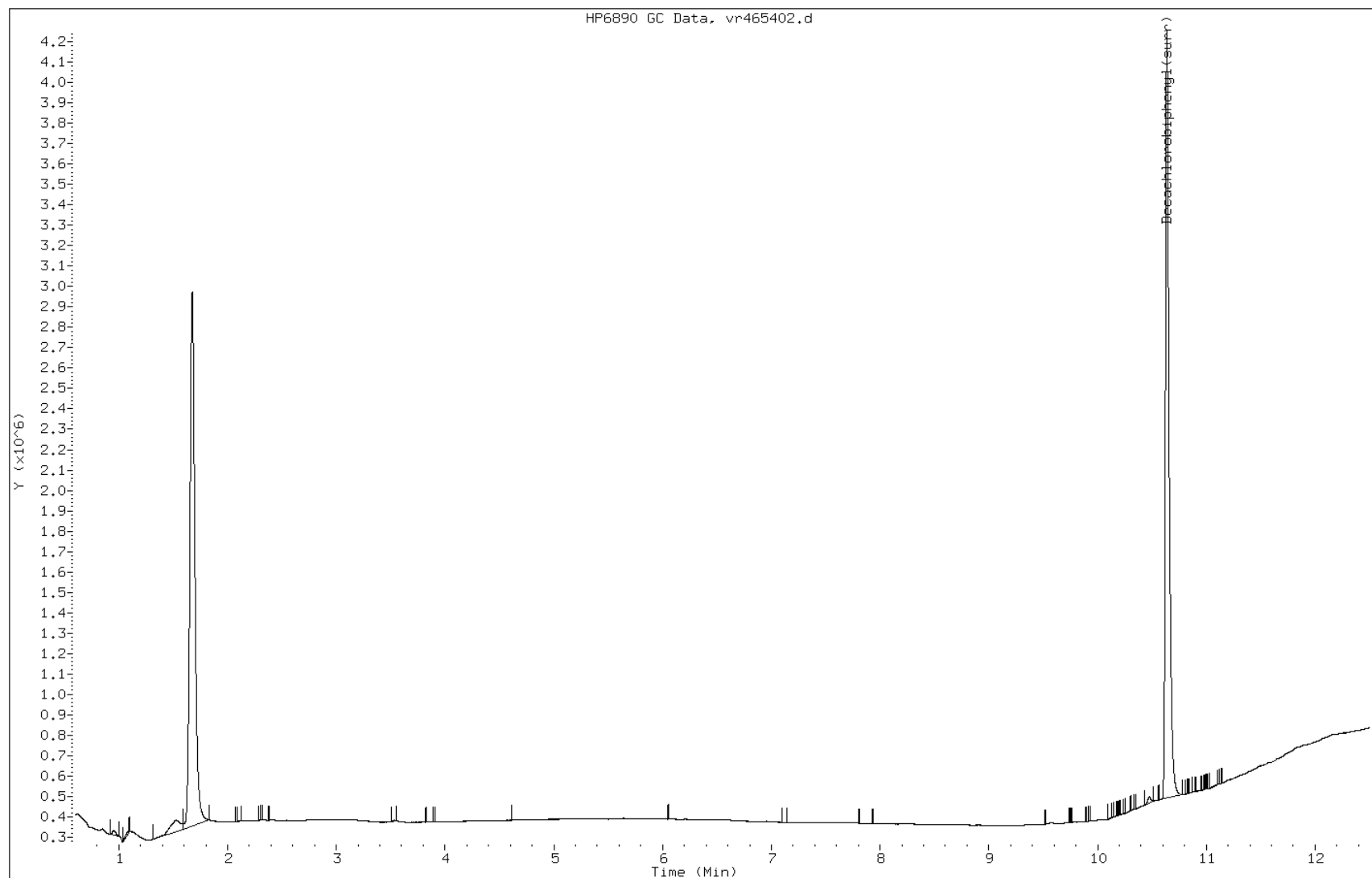
Date: 11-OCT-2011 09:38

Client ID:

Instrument: PESTGC9.i

Sample Info: MB 460-88999/1-A

Operator: 615



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-88999/2-A
 Matrix: Solid Lab File ID: vf465403.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3541 Date Extracted: 10/11/2011 03:23
 Sample wt/vol: 15.00(g) Date Analyzed: 10/11/2011 09:54
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89110 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	385		67	13
11104-28-2	PCB-1221	67	U	67	20
11141-16-5	PCB-1232	67	U	67	38
53469-21-9	PCB-1242	67	U	67	13
12672-29-6	PCB-1248	67	U	67	18
11097-69-1	PCB-1254	67	U	67	23
11096-82-5	PCB-1260	368		67	7.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	115		30-150

Data File: vf465403.d
Report Date: 11-Oct-2011 15:41

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/vf465403.d
Lab Smp Id: LCS 460-88999/2-A
Inj Date : 11-OCT-2011 09:54
Operator : 615
Smp Info : LCS 460-88999/2-A
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/08Vf8082.m
Meth Date : 11-Oct-2011 15:41 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf464924.d
QC Sample: BS
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.974	2.973	0.001	1428402	584.121	390	80.00-	120.00	100.00(M)
3.660	3.658	0.002	2949696	578.849	380	155.94-	233.90	206.50
4.102	4.101	0.001	1364250	609.413	410	74.96-	112.43	95.51
4.506	4.505	0.001	5744147	568.070	380	305.65-	458.47	402.14
4.750	4.748	0.002	2739049	593.763	400	147.32-	220.98	191.76
5.183	5.182	0.001	1630472	581.283	390	86.25-	129.38	114.15
5.570	5.570	0.000	1890471	573.677	380	102.84-	154.27	132.35
5.780	5.781	-0.001	1807020	526.729	350	102.31-	153.47	126.51
Average of Peak Concentrations =					380			

27 Aroclor-1260					CAS #: 11096-82-5			
7.482	7.482	0.000	2106700	561.377	370	80.00-	120.00	100.00(M)

Data File: vf465403.d
 Report Date: 11-Oct-2011 15:41

				CONCENTRATIONS				
				ON-COL	FINAL			
RT	EXP RT	DLT RT		RESPONSE (	ug/L)	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====		=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
7.797	7.796	0.001		4270981	566.823	380	158.78- 238.17	202.73
8.264	8.263	0.001		5115278	571.354	380	190.09- 285.13	242.81
9.383	9.381	0.002		3685854	565.797	380	140.48- 210.72	174.96
9.502	9.501	0.001		1929435	545.859	360	74.92- 112.37	91.59
9.945	9.946	-0.001		3325769	569.341	380	127.30- 190.95	157.87
10.645	10.645	0.000		3873214	528.367	350	162.00- 243.00	183.85
11.118	11.119	-0.001		1586703	506.396	340	64.28- 96.42	75.32
Average of Peak Concentrations =						370		

\$ 30 Decachlorobiphenyl(surr)						CAS #: 2051-24-3		
11.559	11.561	-0.002		5387690	57.3021	38	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: vf465403.d

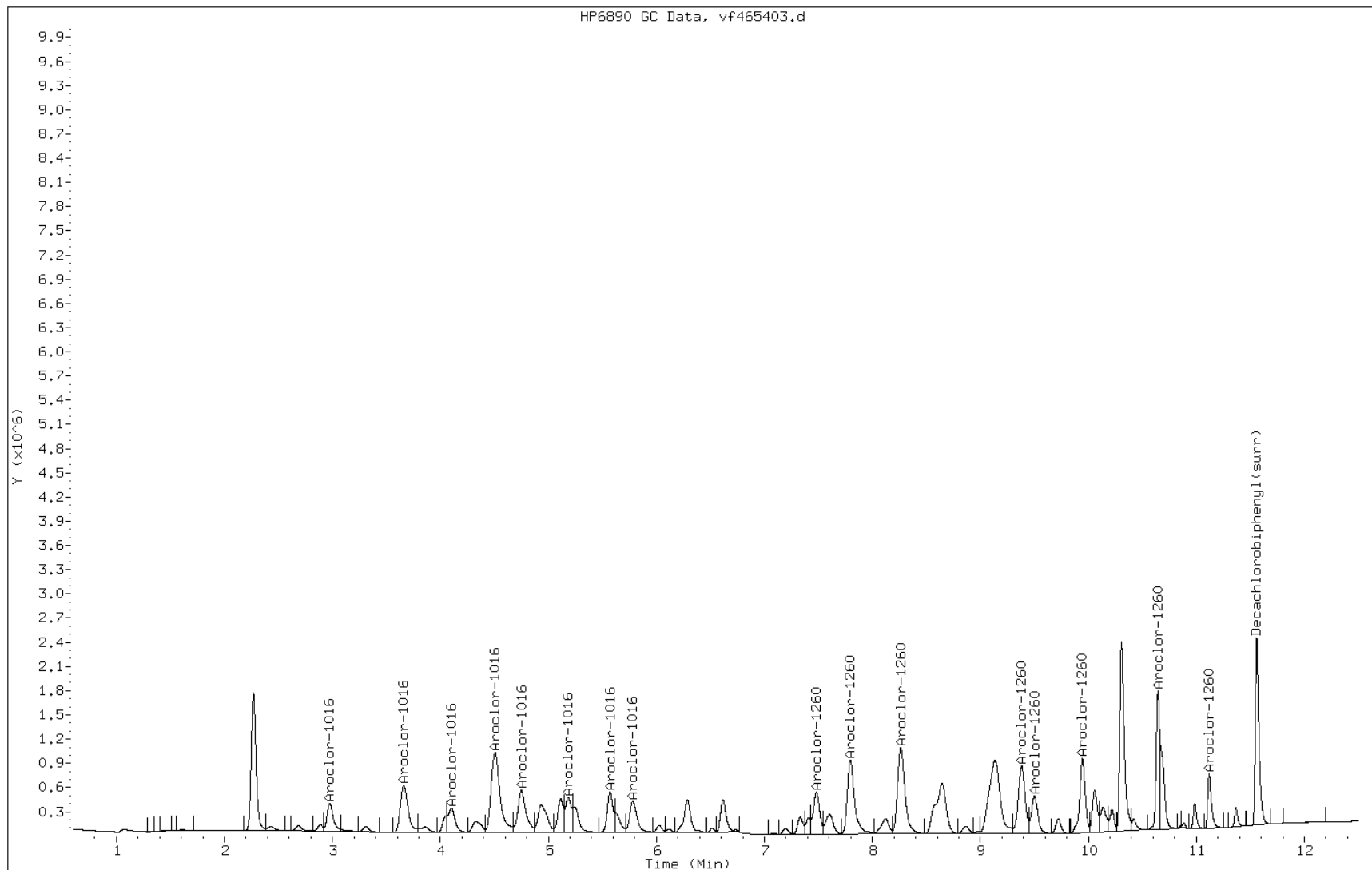
Date: 11-OCT-2011 09:54

Client ID:

Instrument: PESTGC9.i

Sample Info: LCS 460-88999/2-A

Operator: 615



Manual Integration Report

Data File: vf465403.d
Inj. Date and Time: 11-OCT-2011 09:54
Instrument ID: PESTGC9.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 10/11/2011

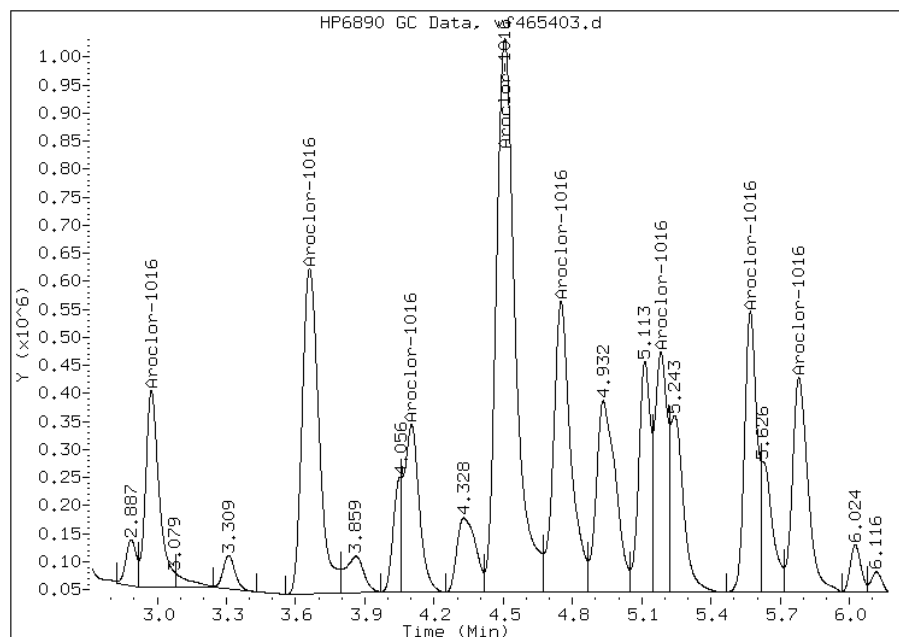
Processing Integration Results

Not Detected

Expected RT: 2.97

Manual Integration Results

RT: 2.97
Response: 1428402
Amount: 576.99
Conc: 380.00

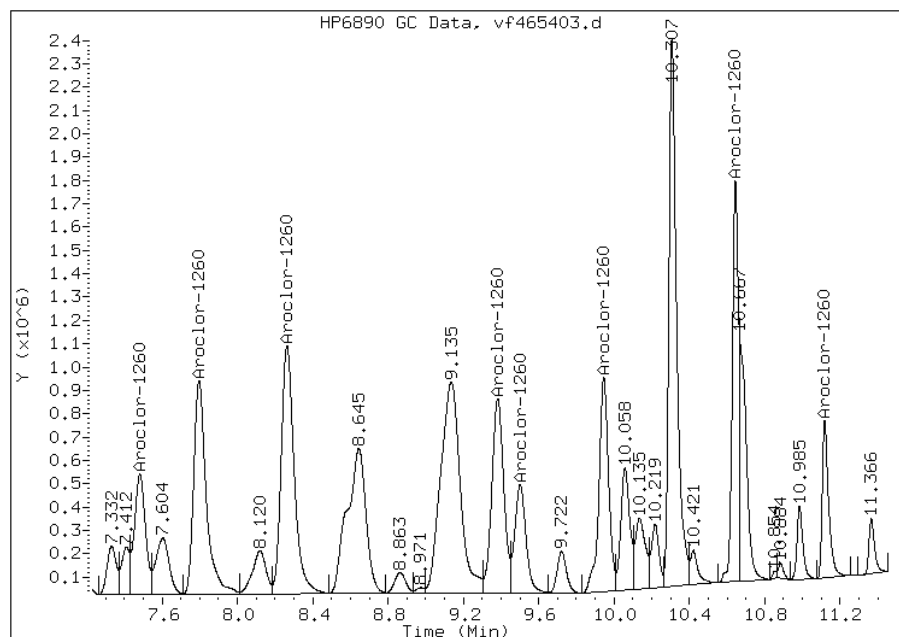


Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

Data File: vf465403.d
Inj. Date and Time: 11-OCT-2011 09:54
Instrument ID: PESTGC9.i
Client ID:
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 10/11/2011

Expected RT: 7.48

RT:	7.48
Response:	2106700
Amount:	551.91
Conc:	370.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-88999/2-A
 Matrix: Solid Lab File ID: vr465403.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3541 Date Extracted: 10/11/2011 03:23
 Sample wt/vol: 15.00(g) Date Analyzed: 10/11/2011 09:54
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89110 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	370		67	13
11104-28-2	PCB-1221	67	U	67	20
11141-16-5	PCB-1232	67	U	67	38
53469-21-9	PCB-1242	67	U	67	13
12672-29-6	PCB-1248	67	U	67	18
11097-69-1	PCB-1254	67	U	67	23
11096-82-5	PCB-1260	358		67	7.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	118		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/vr465403.d
Lab Smp Id: LCS 460-88999/2-A
Inj Date : 11-OCT-2011 09:54
Operator : 615
Smp Info : LCS 460-88999/2-A
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/08Vr8082.m
Meth Date : 11-Oct-2011 15:34 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
QC Sample: BS
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.102	2.102	0.000	2231496	557.850	370	80.00-	120.00	100.00(M)
2.539	2.538	0.001	4233148	563.105	380	149.88-	224.82	189.70
2.788	2.787	0.001	3002646	589.556	390	107.67-	161.50	134.56
3.148	3.144	0.004	8872102	569.998	380	316.08-	474.12	397.59
3.352	3.349	0.003	3653005	594.910	400	129.32-	193.97	163.70
3.695	3.694	0.001	3982990	575.715	380	133.32-	199.98	178.49
4.055	4.054	0.001	3448766	567.080	380	125.57-	188.36	154.55
4.204	4.203	0.001	1225807	419.608	280	58.58-	87.87	54.93
Average of Peak Concentrations =					370			

27 Aroclor-1260					CAS #: 11096-82-5			
6.083	6.083	0.000	5778090	577.478	380	80.00-	120.00	100.00(M)

			CONCENTRATIONS						
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.536	6.535	0.001	10315218	552.694	370	145.83-	218.75	178.52	
6.979	6.979	0.000	8713559	531.840	350	127.16-	190.73	150.80	
7.177	7.177	0.000	5016030	524.137	350	72.42-	108.62	86.81	
7.613	7.614	-0.001	4352563	542.499	360	63.51-	95.26	75.33	
8.909	8.911	-0.002	4935213	572.508	380	74.32-	111.48	85.41	
9.127	9.131	-0.004	3278778	460.863	310	51.10-	76.65	56.75	
10.168	10.169	-0.001	2761474	529.955	350	44.00-	66.00	47.79	
Average of Peak Concentrations =					360				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.632	10.632	0.000	8817065	59.1493	39	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr465403.d

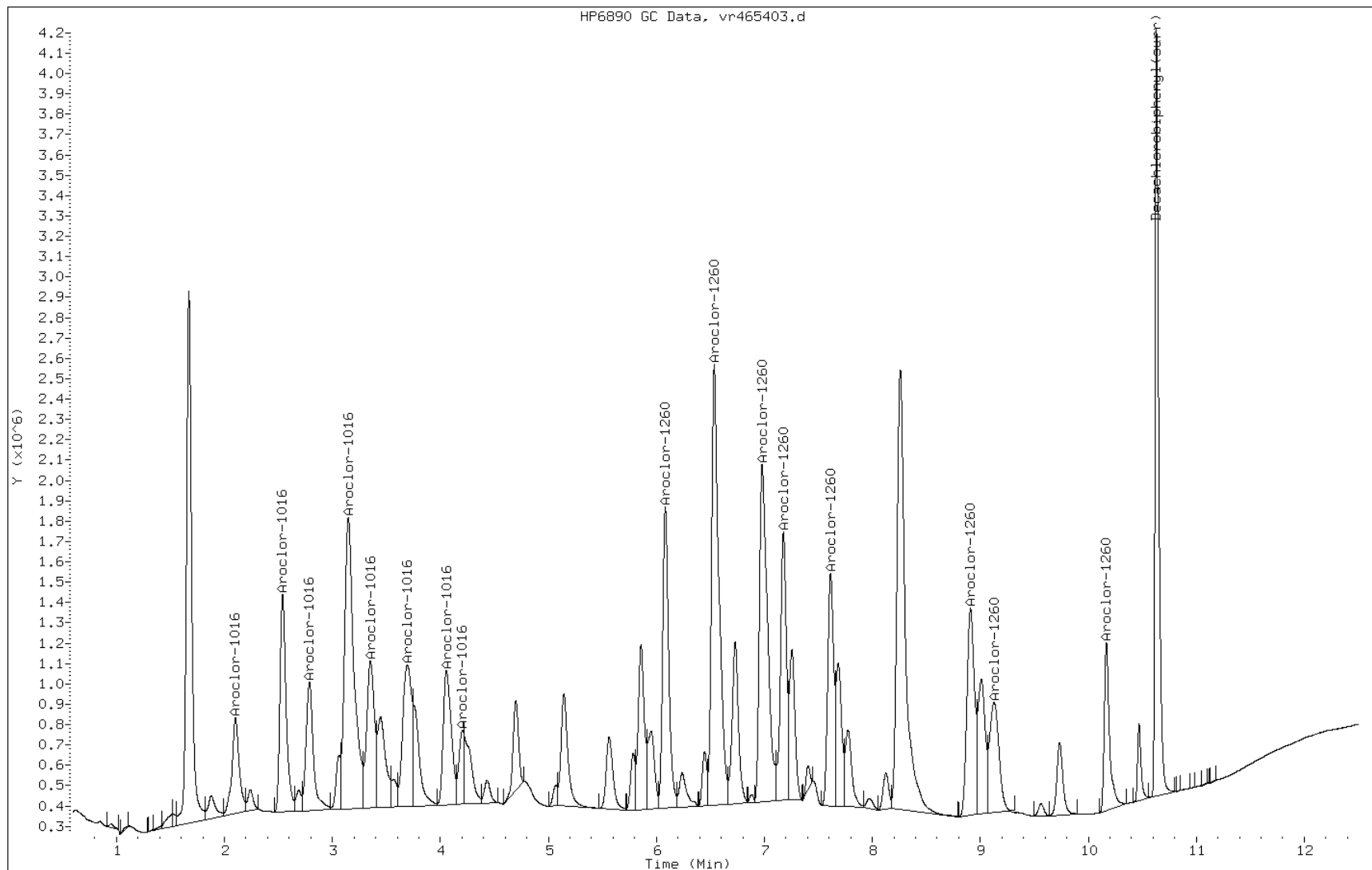
Date: 11-OCT-2011 09:54

Client ID:

Instrument: PESTGC9.i

Sample Info: LCS 460-88999/2-A

Operator: 615



Manual Integration Report

Data File: vr465403.d
Inj. Date and Time: 11-OCT-2011 09:54
Instrument ID: PESTGC9.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 10/11/2011

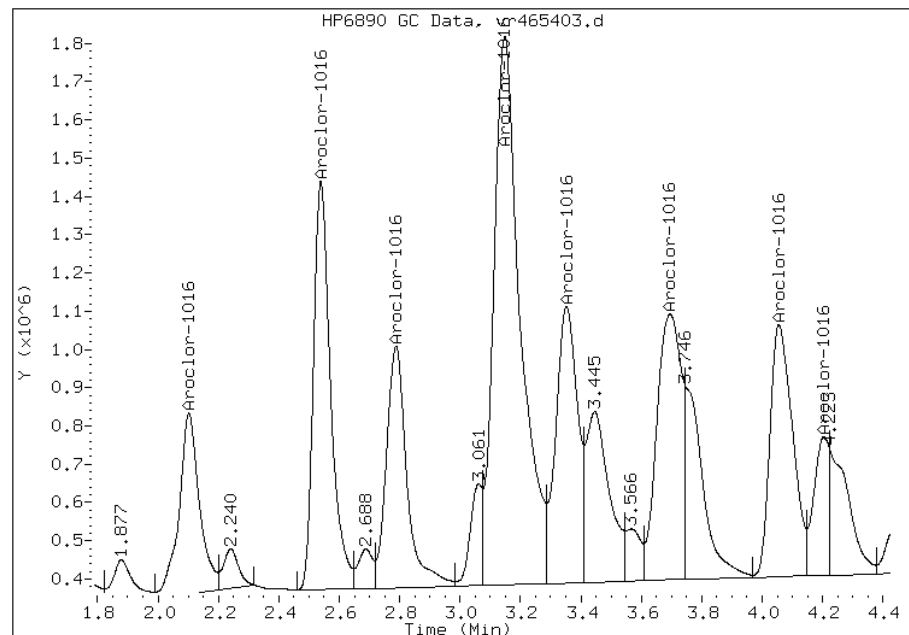
Processing Integration Results

Not Detected

Expected RT: 2.10

Manual Integration Results

RT: 2.10
Response: 2231496
Amount: 554.73
Conc: 370.00



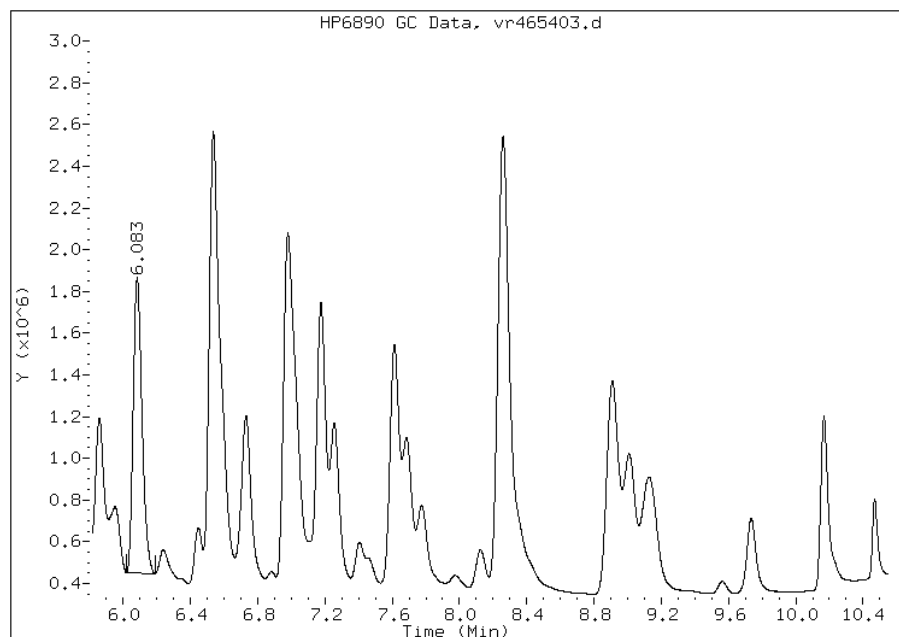
Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: vr465403.d
Inj. Date and Time: 11-OCT-2011 09:54
Instrument ID: PESTGC9.i
Client ID:
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 10/11/2011

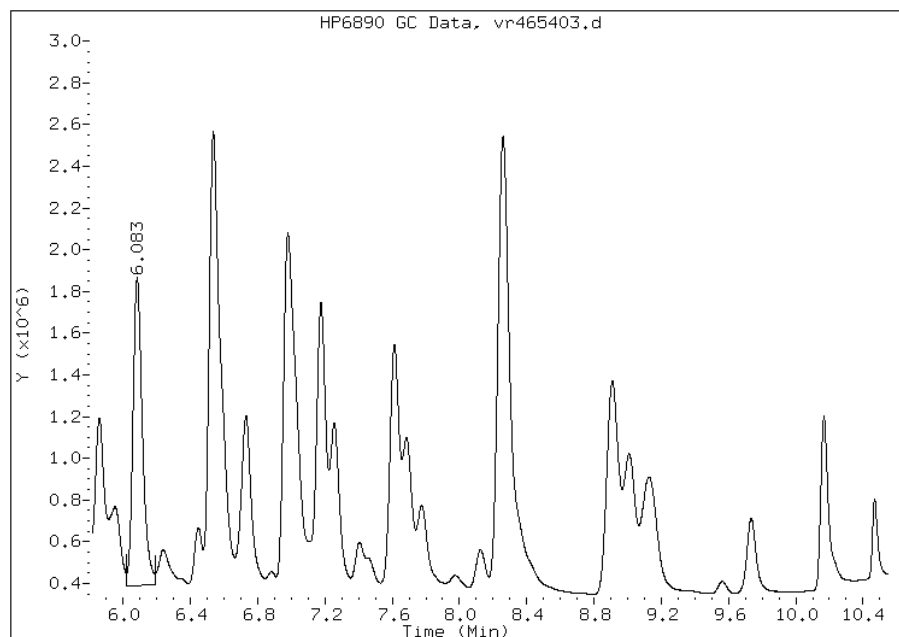
Processing Integration Results

RT: 6.08
Response: 5185496
Amount: 511.52
Conc: 340.00



Manual Integration Results

RT: 6.08
Response: 5778090
Amount: 536.50
Conc: 360.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-32001-D-7-J MS
 Matrix: Solid Lab File ID: vf465406.d
 Analysis Method: 8082 Date Collected: 09/29/2011 10:55
 Extraction Method: 3541 Date Extracted: 10/11/2011 03:23
 Sample wt/vol: 15.02(g) Date Analyzed: 10/11/2011 10:42
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: 19.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89110 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	387		83	16
11104-28-2	PCB-1221	83	U	83	25
11141-16-5	PCB-1232	83	U	83	47
53469-21-9	PCB-1242	83	U	83	16
12672-29-6	PCB-1248	83	U	83	22
11097-69-1	PCB-1254	83	U	83	29
11096-82-5	PCB-1260	380		83	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	97		30-150

Data File: vf465406.d
Report Date: 11-Oct-2011 15:41

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/vf465406.d
Lab Smp Id: 460-32001-D-7-J MS
Inj Date : 11-OCT-2011 10:42
Operator : 615
Smp Info : 460-32001-D-7-J MS
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/08Vf8082.m
Meth Date : 11-Oct-2011 15:41 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf464924.d
QC Sample: MS
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.974	2.973	0.001	1097656	448.868	300	80.00-	120.00	100.00(M)
3.660	3.658	0.002	2443034	479.422	320	155.94-	233.90	222.57
4.101	4.101	0.000	1047304	467.833	310	74.96-	112.43	95.41
4.505	4.505	0.000	4748996	469.654	310	305.65-	458.47	432.65
4.749	4.748	0.001	2243954	486.438	320	147.32-	220.98	204.43
5.182	5.182	0.000	1363171	485.987	320	86.25-	129.38	124.19
5.569	5.570	-0.001	1570188	476.485	320	102.84-	154.27	143.05
5.779	5.781	-0.002	1418063	413.352	280	102.31-	153.47	129.19
Average of Peak Concentrations =					310			

27 Aroclor-1260					CAS #: 11096-82-5			
7.480	7.482	-0.002	1707151	454.908	300	80.00-	120.00	100.00(M)

Data File: vf465406.d
 Report Date: 11-Oct-2011 15:41

			CONCENTRATIONS					
				ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
7.794	7.796	-0.002	3489333	463.086	310	158.78-	238.17	204.40
8.260	8.263	-0.003	4217266	471.050	310	190.09-	285.13	247.04
9.379	9.381	-0.002	3015713	462.927	310	140.48-	210.72	176.65
9.499	9.501	-0.002	1543329	436.625	290	74.92-	112.37	90.40
9.943	9.946	-0.003	2728035	467.014	310	127.30-	190.95	159.80
10.642	10.645	-0.003	3501015	477.593	320	162.00-	243.00	205.08
11.114	11.119	-0.005	1335500	426.225	280	64.28-	96.42	78.23
Average of Peak Concentrations =					300			

\$ 30 Decachlorobiphenyl(surr)					CAS #:	2051-24-3		
11.554	11.561	-0.007	4571697	48.6234	32	80.00-	120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: vf465406.d

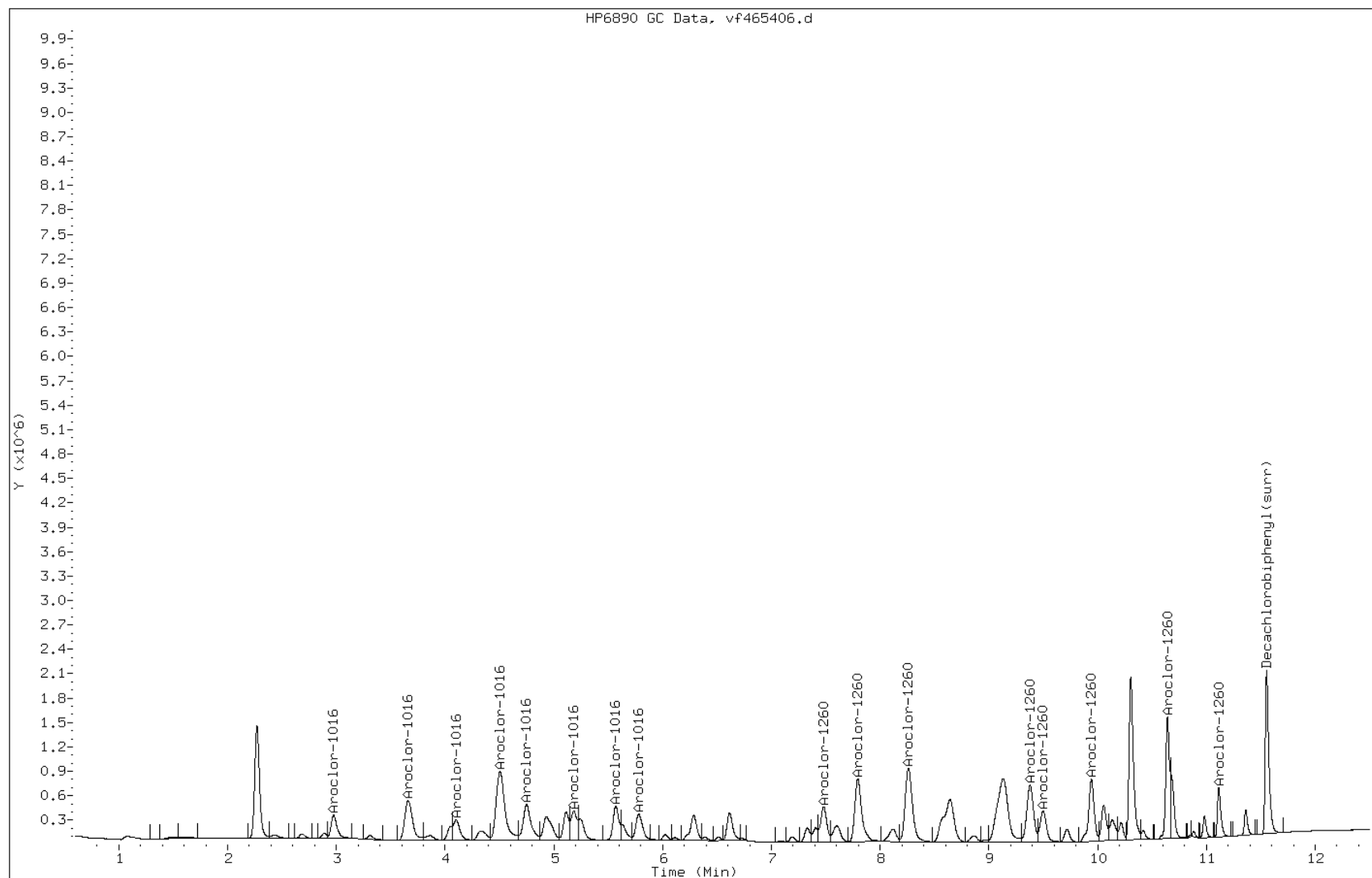
Date: 11-OCT-2011 10:42

Client ID:

Instrument: PESTGC9.i

Sample Info: 460-32001-D-7-J MS

Operator: 615



Manual Integration Report

Data File: vf465406.d
Inj. Date and Time: 11-OCT-2011 10:42
Instrument ID: PESTGC9.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 10/11/2011

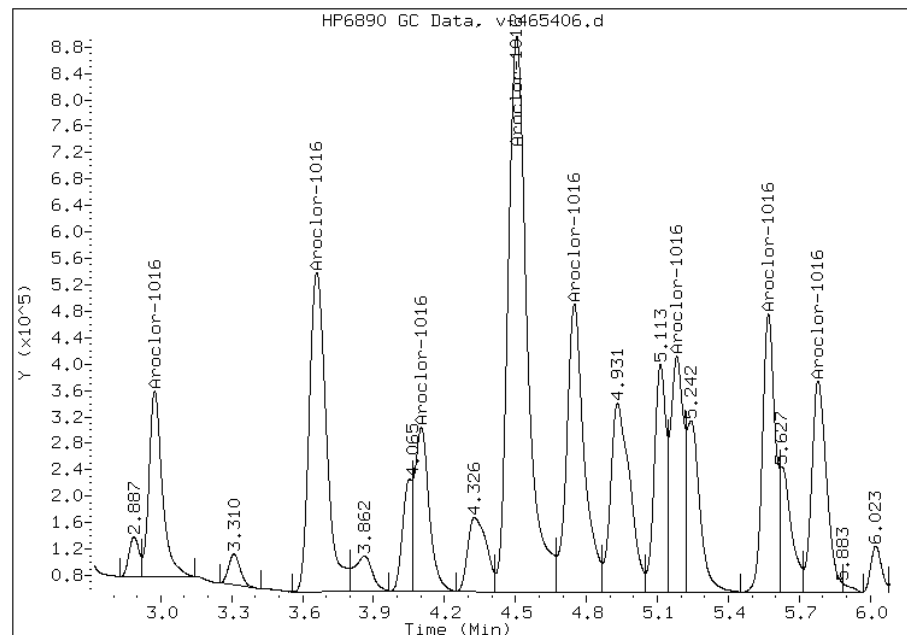
Processing Integration Results

Not Detected

Expected RT: 2.97

Manual Integration Results

RT: 2.97
Response: 1097656
Amount: 466.00
Conc: 310.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: vf465406.d
Inj. Date and Time: 11-OCT-2011 10:42
Instrument ID: PESTGC9.i
Client ID:
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 10/11/2011

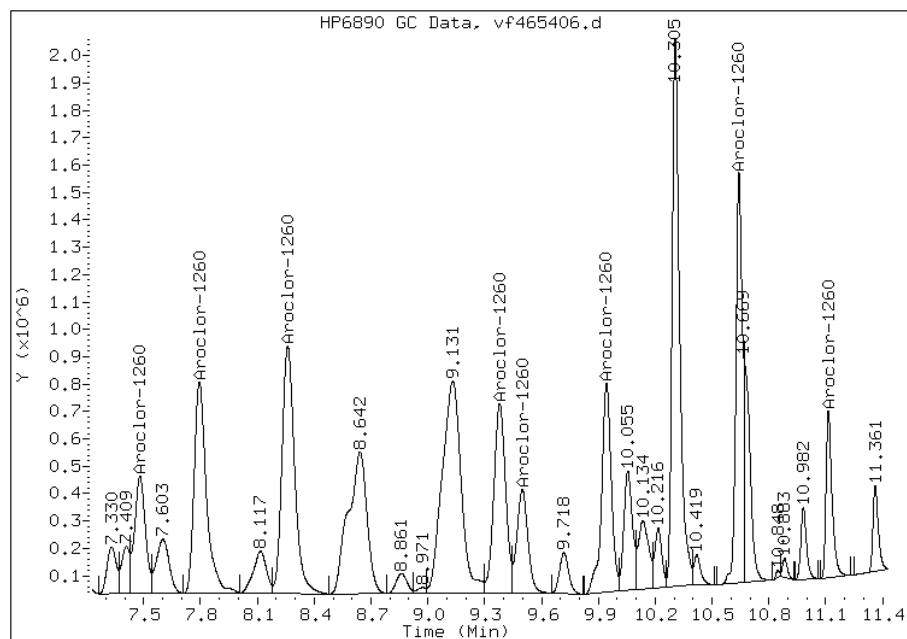
Processing Integration Results

Not Detected

Expected RT: 7.48

Manual Integration Results

RT: 7.48
Response: 1707151
Amount: 457.43
Conc: 300.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-32001-D-7-J MS
 Matrix: Solid Lab File ID: vr465406.d
 Analysis Method: 8082 Date Collected: 09/29/2011 10:55
 Extraction Method: 3541 Date Extracted: 10/11/2011 03:23
 Sample wt/vol: 15.02(g) Date Analyzed: 10/11/2011 10:42
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 19.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89110 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	366		83	16
11104-28-2	PCB-1221	83	U	83	25
11141-16-5	PCB-1232	83	U	83	47
53469-21-9	PCB-1242	83	U	83	16
12672-29-6	PCB-1248	83	U	83	22
11097-69-1	PCB-1254	83	U	83	29
11096-82-5	PCB-1260	372		83	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	94		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/vr465406.d
Lab Smp Id: 460-32001-D-7-J MS
Inj Date : 11-OCT-2011 10:42
Operator : 615
Smp Info : 460-32001-D-7-J MS
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/08Vr8082.m
Meth Date : 11-Oct-2011 15:34 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
QC Sample: MS
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.104	2.102	0.002	1635825	408.939	270	80.00-	120.00	100.00(M)
2.539	2.538	0.001	3302137	439.259	290	149.88-	224.82	201.86
2.789	2.787	0.002	1979980	388.760	260	107.67-	161.50	121.04
3.149	3.144	0.005	7047208	452.756	300	316.08-	474.12	430.80
3.352	3.349	0.003	2841338	462.726	310	129.32-	193.97	173.69
3.698	3.694	0.004	3178740	459.466	310	133.32-	199.98	194.32
4.056	4.054	0.002	2732826	449.358	300	125.57-	188.36	167.06
4.204	4.203	0.001	1342972	459.715	310	58.58-	87.87	82.10
Average of Peak Concentrations =					290			

27 Aroclor-1260					CAS #: 11096-82-5			
6.082	6.083	-0.001	4502729	450.015	300	80.00-	120.00	100.00

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
6.534	6.535	-0.001	8477027	454.203	300	145.83-	218.75	188.26
6.977	6.979	-0.002	7339995	448.003	300	127.16-	190.73	163.01
7.175	7.177	-0.002	4292536	448.538	300	72.42-	108.62	95.33
7.612	7.614	-0.002	3747135	467.039	310	63.51-	95.26	83.22
8.904	8.911	-0.007	4342322	503.730	340	74.32-	111.48	96.44
9.123	9.131	-0.008	2709109	380.790	250	51.10-	76.65	60.17
10.164	10.169	-0.005	2222065	426.437	280	44.00-	66.00	49.35
Average of Peak Concentrations =					300			

\$ 30 Decachlorobiphenyl(surr)					CAS #:	2051-24-3		
10.630	10.632	-0.002	7033594	47.1849	31	80.00-	120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: vr465406.d

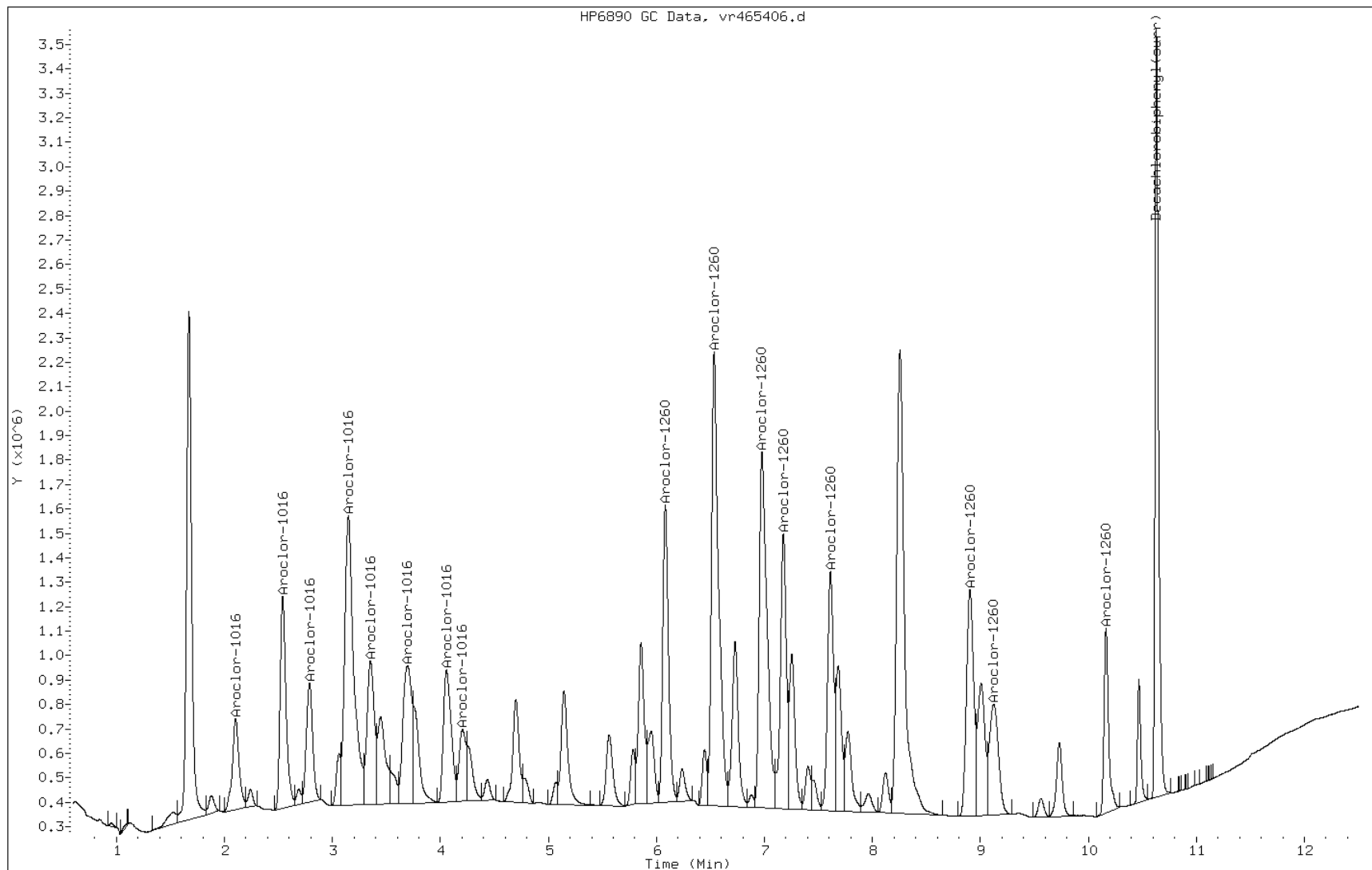
Date: 11-OCT-2011 10:42

Client ID:

Instrument: PESTGC9.i

Sample Info: 460-32001-D-7-J MS

Operator: 615



Manual Integration Report

Data File: vr465406.d
Inj. Date and Time: 11-OCT-2011 10:42
Instrument ID: PESTGC9.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 10/11/2011

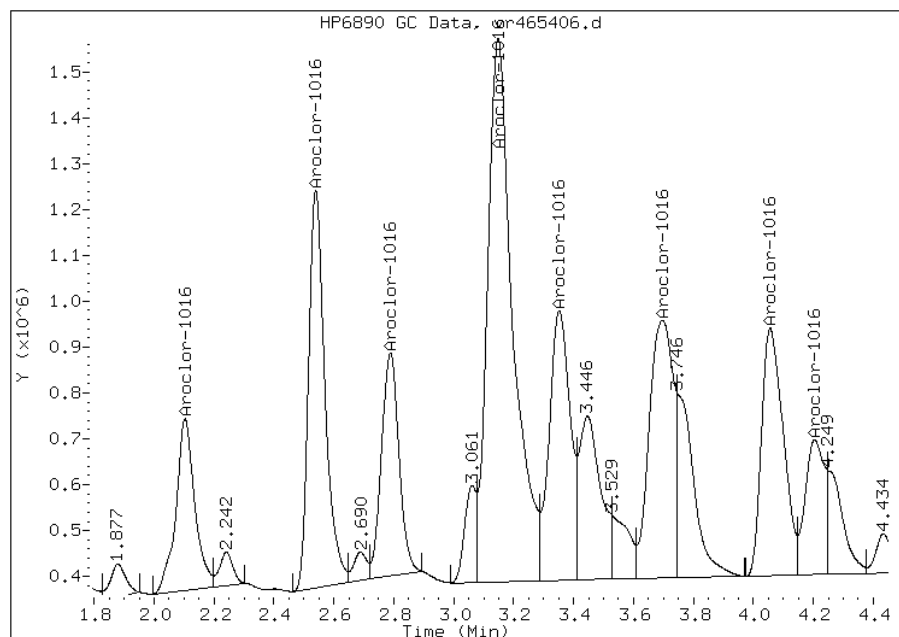
Processing Integration Results

Not Detected

Expected RT: 2.10

Manual Integration Results

RT: 2.10
Response: 1635825
Amount: 440.12
Conc: 290.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-32001-D-7-K MSD
 Matrix: Solid Lab File ID: vf465407.d
 Analysis Method: 8082 Date Collected: 09/29/2011 10:55
 Extraction Method: 3541 Date Extracted: 10/11/2011 03:23
 Sample wt/vol: 15.00(g) Date Analyzed: 10/11/2011 10:58
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: 19.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89110 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	394		84	16
11104-28-2	PCB-1221	84	U	84	25
11141-16-5	PCB-1232	84	U	84	47
53469-21-9	PCB-1242	84	U	84	16
12672-29-6	PCB-1248	84	U	84	22
11097-69-1	PCB-1254	84	U	84	29
11096-82-5	PCB-1260	379		84	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	98		30-150

Data File: vf465407.d
 Report Date: 11-Oct-2011 15:42

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/vf465407.d
 Lab Smp Id: 460-32001-D-7-K MSD
 Inj Date : 11-OCT-2011 10:58
 Operator : 615
 Smp Info : 460-32001-D-7-K MSD
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/front/Oct11/10-11-11/11oct11b.b/08Vf8082.m
 Meth Date : 11-Oct-2011 15:41 shanthi
 Cal Date : 29-SEP-2011 15:10
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3

Inst ID: PESTGC9.i
 Quant Type: ESTD
 Cal File: vf464924.d
 QC Sample: MSD
 Compound Sublist: AllPCB.sub
 Sample Matrix: SOIL

Concentration Formula: $\text{Amt} * \text{DF} * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL	FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.976	2.973	0.003	1141603	466.839	310	80.00-	120.00	100.00(M)
3.661	3.658	0.003	2497877	490.184	330	155.94-	233.90	218.80
4.103	4.101	0.002	1099068	490.956	330	74.96-	112.43	96.27
4.507	4.505	0.002	4799283	474.627	320	305.65-	458.47	420.40
4.750	4.748	0.002	2262890	490.542	330	147.32-	220.98	198.22
5.183	5.182	0.001	1356376	483.564	320	86.25-	129.38	118.81
5.570	5.570	0.000	1564102	474.638	320	102.84-	154.27	137.01
5.780	5.781	-0.001	1422401	414.616	280	102.31-	153.47	124.60
Average of Peak Concentrations =					320			

27 Aroclor-1260					CAS #: 11096-82-5			
7.482	7.482	0.000	1698786	452.679	300	80.00-	120.00	100.00(M)

Data File: vf465407.d
 Report Date: 11-Oct-2011 15:42

			CONCENTRATIONS					
			ON-COL	FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
7.795	7.796	-0.001	3485023	462.514	310	158.78-	238.17	205.15
8.262	8.263	-0.001	4210527	470.297	310	190.09-	285.13	247.86
9.380	9.381	-0.001	3012374	462.414	310	140.48-	210.72	177.33
9.500	9.501	-0.001	1537099	434.862	290	74.92-	112.37	90.48
9.944	9.946	-0.002	2705228	463.110	310	127.30-	190.95	159.24
10.642	10.645	-0.003	3525967	480.997	320	162.00-	243.00	207.56
11.113	11.119	-0.006	1318378	420.760	280	64.28-	96.42	77.61
Average of Peak Concentrations =					300			

\$ 30 Decachlorobiphenyl(surr)					CAS #:	2051-24-3		
11.551	11.561	-0.010	4627770	49.2198	33	80.00-	120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: vf465407.d

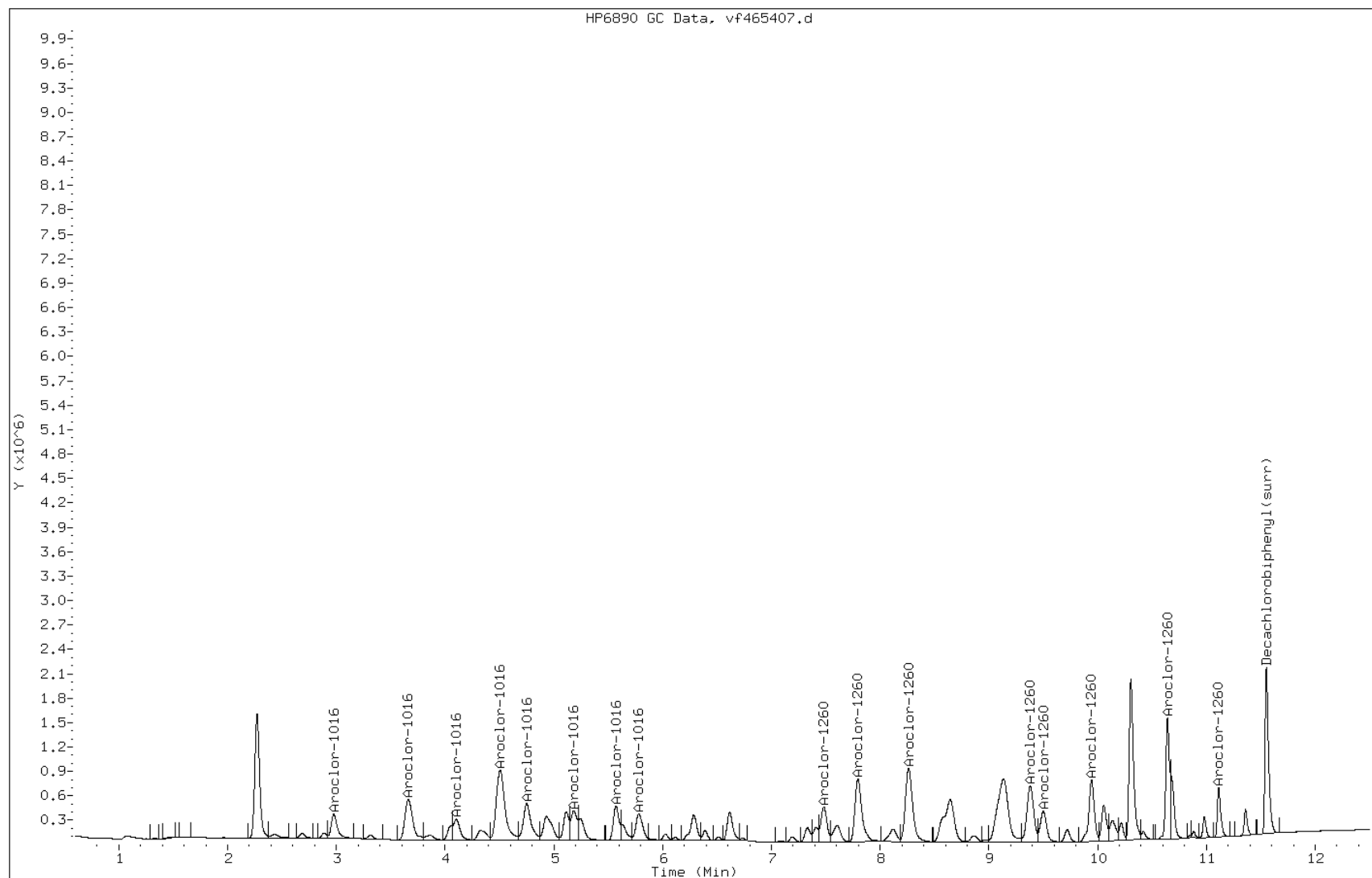
Date: 11-OCT-2011 10:58

Client ID:

Instrument: PESTGC9.i

Sample Info: 460-32001-D-7-K MSD

Operator: 615



Manual Integration Report

Data File: vf465407.d
Inj. Date and Time: 11-OCT-2011 10:58
Instrument ID: PESTGC9.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 10/11/2011

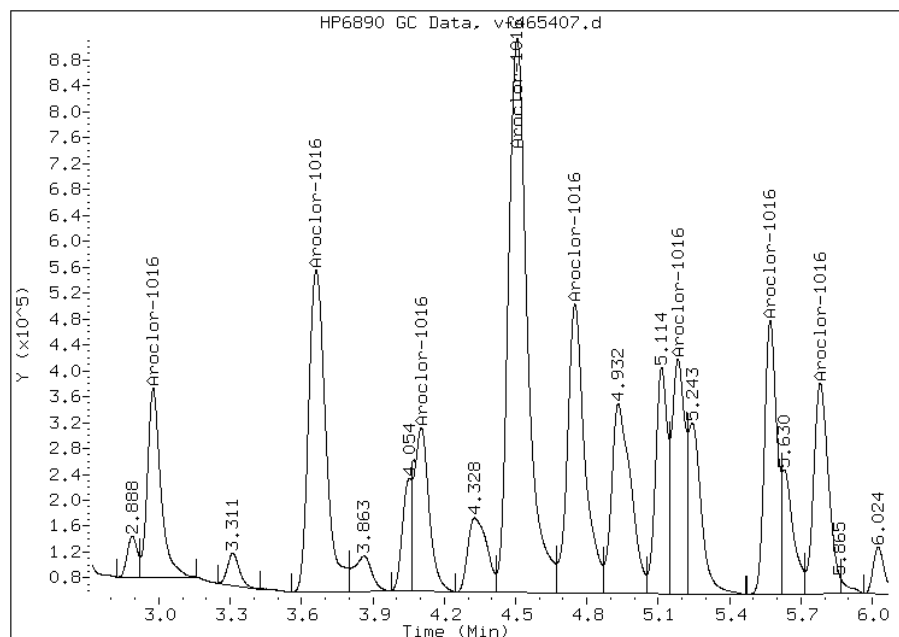
Processing Integration Results

Not Detected

Expected RT: 2.97

Manual Integration Results

RT: 2.98
Response: 1141603
Amount: 473.25
Conc: 320.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: vf465407.d
Inj. Date and Time: 11-OCT-2011 10:58
Instrument ID: PESTGC9.i
Client ID:
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 10/11/2011

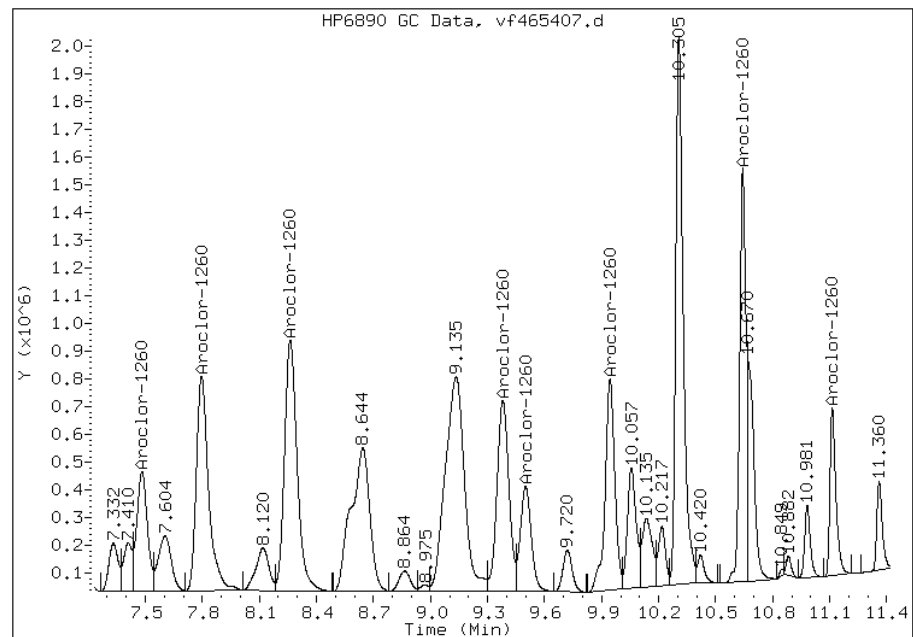
Processing Integration Results

Not Detected

Expected RT: 7.48

Manual Integration Results

RT: 7.48
Response: 1698786
Amount: 455.95
Conc: 300.00



Manually Integrated By: shanthi
Manual Integration Reason:

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-32001-D-7-K MSD
 Matrix: Solid Lab File ID: vr465407.d
 Analysis Method: 8082 Date Collected: 09/29/2011 10:55
 Extraction Method: 3541 Date Extracted: 10/11/2011 03:23
 Sample wt/vol: 15.00(g) Date Analyzed: 10/11/2011 10:58
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 19.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 89110 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	376		84	16
11104-28-2	PCB-1221	84	U	84	25
11141-16-5	PCB-1232	84	U	84	47
53469-21-9	PCB-1242	84	U	84	16
12672-29-6	PCB-1248	84	U	84	22
11097-69-1	PCB-1254	84	U	84	29
11096-82-5	PCB-1260	370		84	9.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	96		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/vr465407.d
Lab Smp Id: 460-32001-D-7-K MSD
Inj Date : 11-OCT-2011 10:58
Operator : 615
Smp Info : 460-32001-D-7-K MSD
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b/08Vr8082.m
Meth Date : 11-Oct-2011 15:34 shanthi
Cal Date : 29-SEP-2011 15:10
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr464924.d
QC Sample: MSD
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.104	2.102	0.002	1803381	450.826	300	80.00-	120.00	100.00(M)
2.541	2.538	0.003	3405555	453.016	300	149.88-	224.82	188.84
2.790	2.787	0.003	2088292	410.027	270	107.67-	161.50	115.80
3.150	3.144	0.006	7168077	460.521	310	316.08-	474.12	397.48
3.354	3.349	0.005	2898524	472.039	310	129.32-	193.97	160.73
3.699	3.694	0.005	3128612	452.221	300	133.32-	199.98	173.49
4.057	4.054	0.003	2753239	452.715	300	125.57-	188.36	152.67
4.206	4.203	0.003	1350657	462.346	310	58.58-	87.87	74.90
Average of Peak Concentrations =					300			

27 Aroclor-1260					CAS #: 11096-82-5			
6.085	6.083	0.002	4490024	448.745	300	80.00-	120.00	100.00

			CONCENTRATIONS						
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.536	6.535	0.001	8456066	453.080	300	145.83-	218.75	188.33	
6.979	6.979	0.000	7268078	443.614	300	127.16-	190.73	161.87	
7.178	7.177	0.001	4302018	449.528	300	72.42-	108.62	95.81	
7.614	7.614	0.000	3706860	462.019	310	63.51-	95.26	82.56	
8.907	8.911	-0.004	4286169	497.216	330	74.32-	111.48	95.46	
9.128	9.131	-0.003	2702237	379.825	250	51.10-	76.65	60.18	
10.165	10.169	-0.004	2224256	426.857	280	44.00-	66.00	49.54	
Average of Peak Concentrations =					300				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.631	10.632	-0.001	7143684	47.9234	32	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr465407.d

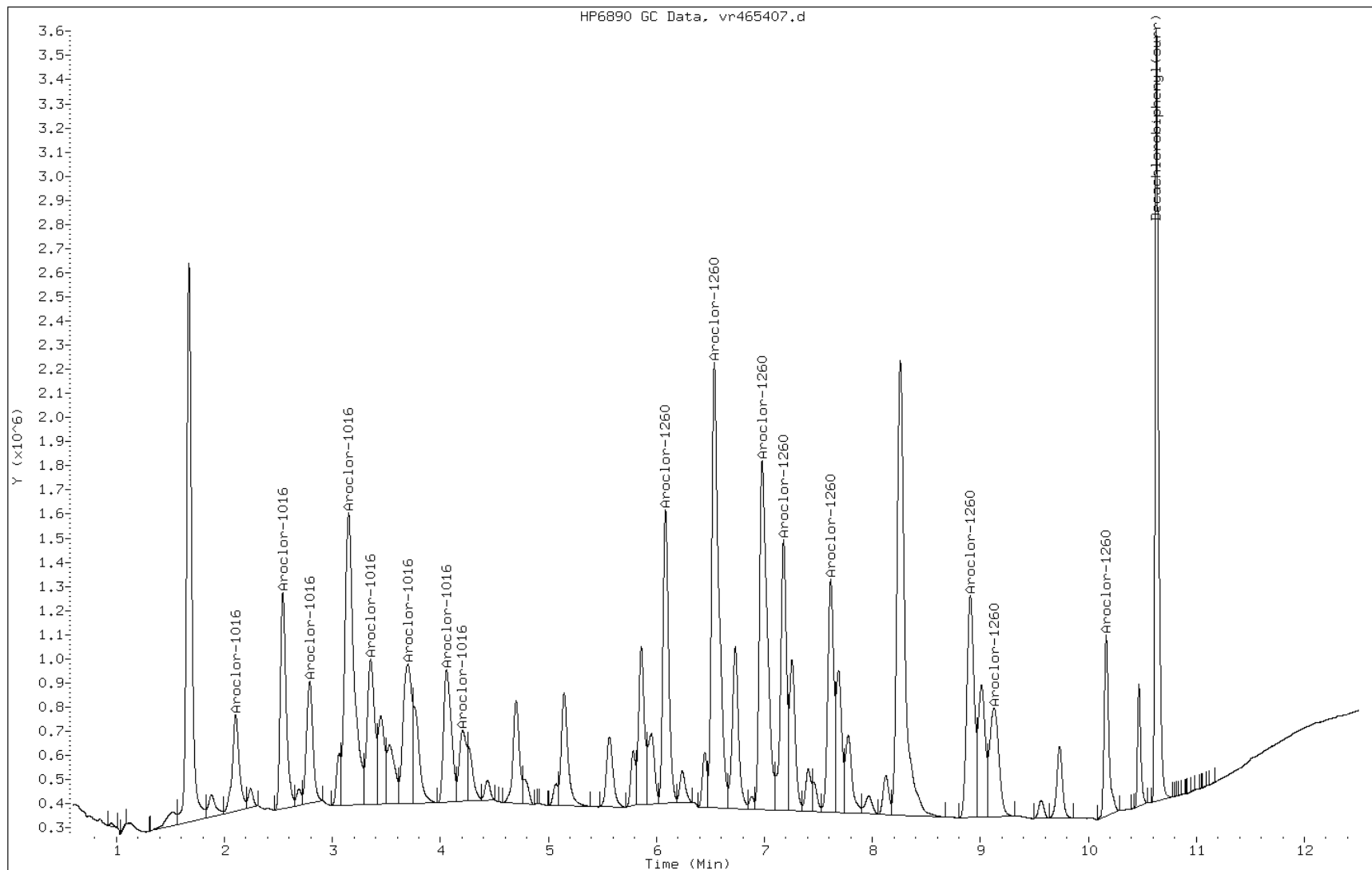
Date: 11-OCT-2011 10:58

Client ID:

Instrument: PESTGC9.i

Sample Info: 460-32001-D-7-K MSD

Operator: 615



Manual Integration Report

Data File: vr465407.d
Inj. Date and Time: 11-OCT-2011 10:58
Instrument ID: PESTGC9.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 10/11/2011

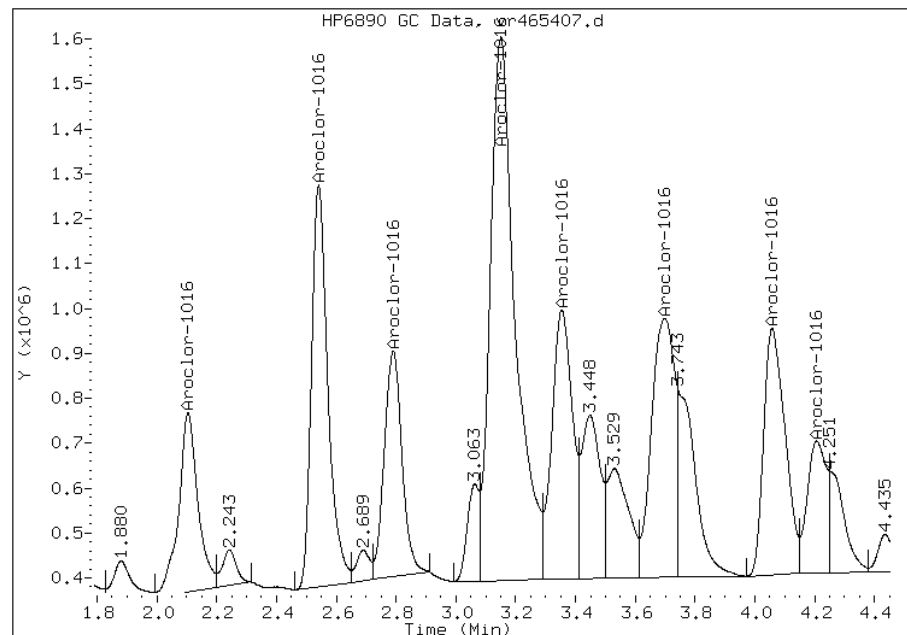
Processing Integration Results

Not Detected

Expected RT: 2.10

Manual Integration Results

RT: 2.10
Response: 1803381
Amount: 451.71
Conc: 300.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: PESTGC9 Start Date: 09/29/2011 11:00Analysis Batch Number: 87766 End Date: 09/29/2011 15:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/29/2011 11:00	1		CLP-2 0.53 (mm)
ZZZZZ		09/29/2011 11:00	1		CLP-1 0.53 (mm)
ZZZZZ		09/29/2011 11:16	1		CLP-2 0.53 (mm)
ZZZZZ		09/29/2011 11:16	1		CLP-1 0.53 (mm)
ZZZZZ		09/29/2011 11:32	1		CLP-2 0.53 (mm)
ZZZZZ		09/29/2011 11:32	1		CLP-1 0.53 (mm)
ZZZZZ		09/29/2011 11:47	1		CLP-2 0.53 (mm)
ZZZZZ		09/29/2011 11:47	1		CLP-1 0.53 (mm)
ZZZZZ		09/29/2011 12:03	1		CLP-2 0.53 (mm)
ZZZZZ		09/29/2011 12:03	1		CLP-1 0.53 (mm)
IC 460-87766/6		09/29/2011 12:19	1	vf464913.d	CLP-2 0.53 (mm)
IC 460-87766/6		09/29/2011 12:19	1	vr464913.d	CLP-1 0.53 (mm)
IC 460-87766/7		09/29/2011 12:34	1	vf464914.d	CLP-2 0.53 (mm)
IC 460-87766/7		09/29/2011 12:34	1	vr464914.d	CLP-1 0.53 (mm)
IC 460-87766/8		09/29/2011 12:50	1	vf464915.d	CLP-2 0.53 (mm)
IC 460-87766/8		09/29/2011 12:50	1	vr464915.d	CLP-1 0.53 (mm)
IC 460-87766/9		09/29/2011 13:06	1	vf464916.d	CLP-2 0.53 (mm)
IC 460-87766/9		09/29/2011 13:06	1	vr464916.d	CLP-1 0.53 (mm)
IC 460-87766/10		09/29/2011 13:21	1	vf464917.d	CLP-2 0.53 (mm)
IC 460-87766/10		09/29/2011 13:21	1	vr464917.d	CLP-1 0.53 (mm)
IC 460-87766/11		09/29/2011 13:37	1	vf464918.d	CLP-2 0.53 (mm)
IC 460-87766/11		09/29/2011 13:37	1	vr464918.d	CLP-1 0.53 (mm)
IC 460-87766/12		09/29/2011 13:53	1	vf464919.d	CLP-2 0.53 (mm)
IC 460-87766/12		09/29/2011 13:53	1	vr464919.d	CLP-1 0.53 (mm)
IC 460-87766/13		09/29/2011 14:08	1	vf464920.d	CLP-2 0.53 (mm)
IC 460-87766/13		09/29/2011 14:08	1	vr464920.d	CLP-1 0.53 (mm)
IC 460-87766/14		09/29/2011 14:24	1	vf464921.d	CLP-2 0.53 (mm)
IC 460-87766/14		09/29/2011 14:24	1	vr464921.d	CLP-1 0.53 (mm)
IC 460-87766/15		09/29/2011 14:39	1	vf464922.d	CLP-2 0.53 (mm)
IC 460-87766/15		09/29/2011 14:39	1	vr464922.d	CLP-1 0.53 (mm)
IC 460-87766/16		09/29/2011 14:55	1		CLP-2 0.53 (mm)
IC 460-87766/16		09/29/2011 14:55	1		CLP-1 0.53 (mm)
IC 460-87766/17		09/29/2011 15:10	1		CLP-2 0.53 (mm)
IC 460-87766/17		09/29/2011 15:10	1		CLP-1 0.53 (mm)
ZZZZZ		09/29/2011 15:26	1		CLP-2 0.53 (mm)
ZZZZZ		09/29/2011 15:26	1		CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-32010-1

SDG No.: _____

Instrument ID: PESTGC9Start Date: 10/11/2011 07:43Analysis Batch Number: 89110End Date: 10/11/2011 14:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/11/2011 07:43	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 07:43	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 07:59	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 07:59	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 08:15	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 08:15	1		CLP-1 0.53 (mm)
CCVRT 460-89110/4		10/11/2011 08:31	1	vf465401.d	CLP-2 0.53 (mm)
CCVRT 460-89110/4		10/11/2011 08:31	1	vr465401.d	CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 08:31	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 08:31	1		CLP-1 0.53 (mm)
MB 460-88999/1-A		10/11/2011 09:38	1	vf465402.d	CLP-2 0.53 (mm)
MB 460-88999/1-A		10/11/2011 09:38	1	vr465402.d	CLP-1 0.53 (mm)
LCS 460-88999/2-A		10/11/2011 09:54	1	vf465403.d	CLP-2 0.53 (mm)
LCS 460-88999/2-A		10/11/2011 09:54	1	vr465403.d	CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 10:10	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 10:10	1		CLP-1 0.53 (mm)
460-32001-A-7-D DU		10/11/2011 10:26	1	vf465405.d	CLP-2 0.53 (mm)
460-32001-A-7-D DU		10/11/2011 10:26	1	vr465405.d	CLP-1 0.53 (mm)
460-32001-D-7-J MS		10/11/2011 10:42	1	vf465406.d	CLP-2 0.53 (mm)
460-32001-D-7-J MS		10/11/2011 10:42	1	vr465406.d	CLP-1 0.53 (mm)
460-32001-D-7-K MSD		10/11/2011 10:58	1	vf465407.d	CLP-2 0.53 (mm)
460-32001-D-7-K MSD		10/11/2011 10:58	1	vr465407.d	CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 11:14	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 11:14	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 11:29	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 11:29	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 11:45	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 11:45	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 12:01	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 12:01	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 12:17	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 12:17	1		CLP-1 0.53 (mm)
460-32010-5	SO-17338-092811-MM-09 1	10/11/2011 12:33	1	vf465413.d	CLP-2 0.53 (mm)
460-32010-5	SO-17338-092811-MM-09 1	10/11/2011 12:33	1	vr465413.d	CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 12:49	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 12:49	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 13:05	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 13:05	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 13:21	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 13:21	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 13:36	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 13:36	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 13:52	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 13:52	1		CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: PESTGC9 Start Date: 10/11/2011 07:43Analysis Batch Number: 89110 End Date: 10/11/2011 14:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/11/2011 14:08	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 14:08	1		CLP-1 0.53 (mm)
ZZZZZ		10/11/2011 14:24	1		CLP-2 0.53 (mm)
ZZZZZ		10/11/2011 14:24	1		CLP-1 0.53 (mm)
CCV 460-89110/22		10/11/2011 14:40	1	vf465421.d	CLP-2 0.53 (mm)
CCV 460-89110/22		10/11/2011 14:40	1	vr465421.d	CLP-1 0.53 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC9.i

Analytical Batch: /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b

Date Generated: 09/29/2011

Page 1

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
09/29/11 1100	VR464908	1	HEXANE	29sep11a	-	15	10	1	SAMPLE	-	-
09/29/11 1116	VR464909	2	HEXANE	29sep11a	-	15	10	1	SAMPLE	-	-
09/29/11 1132	VR464910	3	SGPBLK_00008	29sep11a	-	15	10	1	INSTBLANK	-	-
09/29/11 1147	VR464911	4	SG160L3_00013	29sep11a	-	15	10	1	SAMPLE	-	long ref using
09/29/11 1203	VR464912	5	SG160L1_00010	29sep11a	-	15	10	1	SAMPLE	-	-
09/29/11 1219	VR464913	6	IC-SG160L1_00010	-	-	0	0	1	CALIB_1	-	updated
09/29/11 1234	VR464914	7	IC-SG160L2_00010	-	-	0	0	1	CALIB_2	-	-
09/29/11 1250	VR464915	8	IC-SG160L3_00013	-	-	0	0	1	CALIB_3	-	-
09/29/11 1306	VR464916	9	IC-SG160L4_00010	-	-	0	0	1	CALIB_4	-	-
09/29/11 1321	VR464917	10	IC-SG160L5_00010	-	-	0	0	1	CALIB_5	-	-
09/29/11 1337	VR464918	11	IC-SG122L3_00012	-	-	0	0	1	CALIB_3	-	updated
09/29/11 1353	VR464919	12	IC-SG123L3_00011	-	-	0	0	1	CALIB_3	-	-
09/29/11 1408	VR464920	13	IC-SG124L3_00011	-	-	0	0	1	CALIB_3	-	-
09/29/11 1424	VR464921	14	IC-SG124L3_00011	-	-	0	0	1	CALIB_3	-	-

Talks to batch, 877766

Batch
a-29-11

Done
a/2011

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC9.i
Analytical Batch: /chem1/PESTGC9.i/8082/rear/Sep11/09-29-11aical/29sep11a.b

Date Generated: 09/29/2011
Page 2

Ready batch. 87766

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
09/29/11 1439	vr464922	15	IC-SG1254L3_00011	-	-	0	0	1	CALIB_3	-	updated
09/29/11 1455	vr464923	16	IC-SG1262L3_00010	-	-	0	0	1	CALIB_3	-	
09/29/11 1510	vr464924	17	IC-SG1268L3_00011	-	-	0	0	1	CALIB_3	-	
09/29/11 1526	vr464925	18	SGPCBICV_00008	-	-	1000	5	1	BS	-	4

Signed: h Read and Understood by: D

Date: 9-28-11

Date: 9/29/11

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC9.i

Analytical Batch: /chem1/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11.b

Date Generated: 10/11/2011

Page 1

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
10/11/11	0743	vr465398	1 HEXANE	11oct11b	-	15	10	1	SAMPLE	-	-
10/11/11	0759	vr465399	2 HEXANE	11oct11b	-	15	10	1	SAMPLE	-	-
10/11/11	0815	vr465400	3 SGPIBLK_00008	11oct11b	-	15	10	1	INSTBLANK	-	4209
10/11/11	0831	vr465401	4 CCVRTSG1660L3_00013	-	-	0	0	1	CCALIB_3	-	4251
10/11/11	0938	vr465402	1 MB 460-88999/1-A	11oct11b	-	15	10	1	BLANK	-	4209
10/11/11	0954	vr465403	2 LCS 460-88999/2-A	-	-	15	10	1	BS	-	4209
10/11/11	1010	vr465404	3 460-32001-D-7-L	460-88999	10/11/11	15.0	10	1	SAMPLE	-	4209
10/11/11	1026	vr465405	4 460-32001-A-7-D	11oct11b	-	15	10	1	SAMPLE	-	4209
10/11/11	1042	vr465406	5 460-32001-D-7-J MS	11oct11b	-	15	10	1	MS	-	4209
10/11/11	1058	vr465407	6 460-32001-D-7-K MSD	11oct11b	-	15	10	1	MSD	-	4209
10/11/11	1114	vr465408	7 460-31952-G-1-B	460-88999	10/11/11	15	10	1	SAMPLE	-	4262
10/11/11	1129	vr465409	8 460-31954-G-1-C	460-88999	10/11/11	15	10	1	SAMPLE	-	4262
10/11/11	1145	vr465410	9 460-32001-D-2-D	460-88999	10/11/11	15.0	10	1	SAMPLE	-	4209
10/11/11	1201	vr465411	10 460-32001-D-6-D	460-88999	10/11/11	15.0	10	1	SAMPLE	-	4264

Tals Batch: 89110

10-11-11

OFF 10/11/11

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC9.i

Analytical Batch: /chem/PESTGC9.i/8082/rear/Oct11/10-11-11/11oct11b.b

Date Generated: 10/11/2011

Page 2

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL	SampleType	LOT	COMMENTS
10/11/11 1217	vr465412	11	460-32001-C-15-D	460-88999	10/11/11 15	10	1	SAMPLE			6.22
10/11/11 1233	vr465413	12	460-32010-D-5-E	460-88999	10/11/11 15.0	10	1	SAMPLE			6.22
10/11/11 1249	vr465414	13	460-32206-D-1-C	11oct11b		15	10	1	SAMPLE		6.2248
10/11/11 1305	vr465415	14	460-32206-D-1-A MS	11oct11b		15	10	1	MS		4
10/11/11 1321	vr465416	15	460-32206-D-1-B MSD	11oct11b		15	10	1	MSD		4
10/11/11 1336	vr465417	16	460-31988-E-6-D	460-88635	10/07/11 15.0	10	1	SAMPLE			6.22
10/11/11 1352	vr465418	17	MB 460-89002/1-A	11oct11b		15	10	1	BLANK		6.22
10/11/11 1408	vr465419	18	LCS 460-89002/2-A			15	10	1	BS		6.22
10/11/11 1424	vr465420	19	SGPIBLK_00008	11oct11b		15	10	1	INSTBLANK		6.22
10/11/11 1440	vr465421	20	CCV-SG1660L3_00013			0	0	1	CCALIB_3		6.2248

Tally sheet : 69110

Signed: hsh Read and Understood by: cd

Date: 10-11-11

Date: 10/11/11

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Batch Number: 88999 Batch Start Date: 10/11/11 03:23 Batch Analyst: Alinea, Archilles RBatch Method: 3541 Batch End Date: 10/11/11 09:18

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SoxThermPosition	OP_PCBSP 00017	OPPSTPCBSU 00018	
MB 460-88999/1		3541, 8082		15.00 g	10 mL	73		50 uL	
LCS 460-88999/2		3541, 8082		15.00 g	10 mL	74	50 uL	50 uL	
460-32001-D-7 MS		3541, 8082	T	15.02 g	10 mL	75	50 uL	50 uL	
460-32001-D-7 MSD		3541, 8082	T	15.00 g	10 mL	76	50 uL	50 uL	
460-32001-A-7 DU		3541, 8082	T	15.02 g	10 mL	3		50 uL	
460-32010-D-5	SO-17338-092811-MM-091	3541, 8082	T	15.03 g	10 mL	6		50 uL	

Batch Notes	
Acid used for Clean Up Reagent	k03051
Balance ID	30
Batch Comment	0pcb-soil
Boiling Chips ID	10013
Person's name who did the concentration	archie
First End time	9:18am
Vendor lot number	j44e39
Na2SO4 Lot Number	k04600
Person's name who did the prep	archie
Person's name who witnessed reagent drop	jose s
Solvent	hex./ace. mixed
SOP Number	3541
First Start time	3:23am\
TBA Lot #	op202

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-32010-1

SDG No.: _____

Project: GM Wilmington

Client Sample ID
SO-17338-092811-MM-091

Lab Sample ID
460-32010-5

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-092811-MM-091

Lab Sample ID: 460-32010-5

Lab Name: TestAmerica Edison

Job No.: 460-32010-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/28/2011 11:40

Reporting Basis: DRY

Date Received: 10/03/2011 18:30

% Solids: 79.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9890	49.4	18.1	mg/Kg			4	6010B
7440-36-0	Antimony	1.7	2.5	1.1	mg/Kg	J		4	6010B
7440-38-2	Arsenic	5.7	1.2	0.86	mg/Kg			4	6010B
7440-39-3	Barium	210	49.4	1.5	mg/Kg			4	6010B
7440-41-7	Beryllium	0.42	0.49	0.22	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.55	1.2	0.19	mg/Kg	J		4	6010B
7440-70-2	Calcium	15600	1230	32.5	mg/Kg			4	6010B
7440-47-3	Chromium	14.7	2.5	1.5	mg/Kg			4	6010B
7440-48-4	Cobalt	6.1	12.3	1.5	mg/Kg	J		4	6010B
7440-50-8	Copper	20.0	6.2	1.0	mg/Kg		B	4	6010B
7439-89-6	Iron	16700	37.0	13.1	mg/Kg			4	6010B
7439-92-1	Lead	180	1.2	0.62	mg/Kg			4	6010B
7439-95-4	Magnesium	4620	1230	13.1	mg/Kg			4	6010B
7439-96-5	Manganese	399	3.7	1.4	mg/Kg			4	6010B
7440-02-0	Nickel	10.0	9.9	0.66	mg/Kg			4	6010B
7440-09-7	Potassium	377	1230	55.7	mg/Kg	J		4	6010B
7782-49-2	Selenium	2.5	2.5	1.2	mg/Kg	U		4	6010B
7440-22-4	Silver	2.5	2.5	0.19	mg/Kg	U		4	6010B
7440-23-5	Sodium	561	1230	75.8	mg/Kg	J		4	6010B
7440-28-0	Thallium	2.5	2.5	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	21.9	12.3	0.64	mg/Kg			4	6010B
7440-66-6	Zinc	167	7.4	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.15	0.039	0.026	mg/Kg			1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00039 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00039

Analyte	ICV 460-89337/6 10/12/2011 19:08				CCV 460-89337/18 10/12/2011 19:50				CCV 460-89337/30 10/12/2011 20:33			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	125600		125000	100	126100		125000	101	126100		125000	101
Antimony	1017		1000	102	1013		1000	101	1012		1000	101
Arsenic	2507		2500	100	2497		2500	100	2492		2500	100
Barium	10210		10000	102	10170		10000	102	10160		10000	102
Beryllium	1003		1000	100	1012		1000	101	1011		1000	101
Cadmium	1276		1250	102	1270		1250	102	1268		1250	101
Calcium	126500		125000	101	127100		125000	102	126700		125000	101
Chromium	5105		5000	102	5109		5000	102	5101		5000	102
Cobalt	2531		2500	101	2513		2500	101	2509		2500	100
Copper	12600		12500	101	12690		12500	102	12690		12500	102
Iron	102100		100000	102	103500		100000	104	103100		100000	103
Lead	7647		7500	102	7599		7500	101	7584		7500	101
Magnesium	126200		125000	101	125100		125000	100	124700		125000	100
Manganese	5196		5000	104	5250		5000	105	5246		5000	105
Nickel	2565		2500	103	2547		2500	102	2540		2500	102
Potassium	49990		50000	100	50390		50000	101	50280		50000	101
Selenium	2475		2500	99	2456		2500	98	2454		2500	98
Silver	1246		1250	100	1247		1250	100	1248		1250	100
Sodium	124000		125000	99	125200		125000	100	124500		125000	100
Thallium	2594		2500	104	2562		2500	102	2539		2500	102
Vanadium	2532		2500	101	2571		2500	103	2564		2500	103
Zinc	2521		2500	101	2507		2500	100	2501		2500	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 Edison Job No.: 460-32010-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00337 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00337

Analyte	ICV 460-88747/7-A 10/07/2011 21:08				CCV 460-88747/8-A 10/07/2011 21:32				CCV 460-88747/8-A 10/07/2011 21:56			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	830.0		833	100	835.0		833	100	831.7		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 Edison Job No.: 460-32010-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00337 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00337

Analyte	CCV 460-88747/8-A 10/07/2011 22:14											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	843.3		833	101								

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-89265/7 10/12/2011 11:19		CCB 460-89265/43 10/12/2011 13:30		CCB 460-89265/55 10/12/2011 14:12		CCB 460-89265/67 10/12/2011 14:56	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Antimony	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Arsenic	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Barium	200	200	U	200	U	200	U	200	U
Beryllium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cadmium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Calcium	5000	5000	U	5000	U	5000	U	5000	U
Chromium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Copper	25.0	25.0	U	25.0	U	25.0	U	25.0	U
Iron	150	150	U	150	U	150	U	150	U
Lead	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	5000	5000	U	5000	U	5000	U	5000	U
Manganese	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Nickel	40.0	40.0	U	40.0	U	40.0	U	40.0	U
Potassium	5000	261.8	J	256.9	J	266.6	J	225.1	J
Selenium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	5000	5000	U	5000	U	5000	U	5000	U
Thallium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Vanadium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	30.0	30.0	U	30.0	U	30.0	U	30.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-89265/79 10/12/2011 15:39							
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U						
Antimony	10.0	10.0	U						
Arsenic	5.0	5.0	U						
Barium	200	200	U						
Beryllium	2.0	2.0	U						
Cadmium	5.0	5.0	U						
Calcium	5000	5000	U						
Chromium	10.0	10.0	U						
Cobalt	50.0	50.0	U						
Copper	25.0	3.77	J						
Iron	150	150	U						
Lead	5.0	5.0	U						
Magnesium	5000	5000	U						
Manganese	15.0	15.0	U						
Nickel	40.0	40.0	U						
Potassium	5000	228.3	J						
Selenium	10.0	10.0	U						
Silver	10.0	10.0	U						
Sodium	5000	5000	U						
Thallium	10.0	10.0	U						
Vanadium	50.0	50.0	U						
Zinc	30.0	30.0	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-89337/7 10/12/2011 19:11		CCB 460-89337/19 10/12/2011 19:54		CCB 460-89337/31 10/12/2011 20:36			
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U		
Antimony	10.0	10.0	U	10.0	U	10.0	U		
Arsenic	5.0	5.0	U	5.0	U	5.0	U		
Barium	200	200	U	200	U	200	U		
Beryllium	2.0	2.0	U	2.0	U	2.0	U		
Cadmium	5.0	5.0	U	5.0	U	5.0	U		
Calcium	5000	5000	U	5000	U	5000	U		
Chromium	10.0	10.0	U	10.0	U	10.0	U		
Cobalt	50.0	50.0	U	50.0	U	50.0	U		
Copper	25.0	25.0	U	25.0	U	25.0	U		
Iron	150	150	U	150	U	150	U		
Lead	5.0	5.0	U	5.0	U	5.0	U		
Magnesium	5000	5000	U	5000	U	5000	U		
Manganese	15.0	15.0	U	15.0	U	15.0	U		
Nickel	40.0	40.0	U	40.0	U	40.0	U		
Potassium	5000	5000	U	5000	U	5000	U		
Selenium	10.0	10.0	U	10.0	U	10.0	U		
Silver	10.0	10.0	U	10.0	U	10.0	U		
Sodium	5000	5000	U	5000	U	5000	U		
Thallium	10.0	10.0	U	10.0	U	10.0	U		
Vanadium	50.0	50.0	U	50.0	U	50.0	U		
Zinc	30.0	30.0	U	30.0	U	30.0	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-88757/8 10/07/2011 21:10		CCB 460-88757/20 10/07/2011 21:34		CCB 460-88757/32 10/07/2011 21:58		CCB 460-88757/42 10/07/2011 22:16	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-88751/1-A ^2
 Instrument Code: ICP4 Batch No.: 89265

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	20.0	U		6010B
7440-36-0	Antimony	1.0	U		6010B
7440-38-2	Arsenic	0.50	U		6010B
7440-39-3	Barium	20.0	U		6010B
7440-41-7	Beryllium	0.20	U		6010B
7440-43-9	Cadmium	0.50	U		6010B
7440-70-2	Calcium	500	U		6010B
7440-47-3	Chromium	1.0	U		6010B
7440-48-4	Cobalt	5.0	U		6010B
7440-50-8	Copper	0.444	J		6010B
7439-89-6	Iron	15.0	U		6010B
7439-92-1	Lead	0.50	U		6010B
7439-95-4	Magnesium	500	U		6010B
7439-96-5	Manganese	1.5	U		6010B
7440-02-0	Nickel	4.0	U		6010B
7440-09-7	Potassium	500	U		6010B
7782-49-2	Selenium	1.0	U		6010B
7440-22-4	Silver	1.0	U		6010B
7440-23-5	Sodium	500	U		6010B
7440-28-0	Thallium	1.0	U		6010B
7440-62-2	Vanadium	5.0	U		6010B
7440-66-6	Zinc	3.0	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 460-88747/10-A
Instrument Code: LEEMAN3 Batch No.: 88757

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.033	U		7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-89265/8 Instrument ID: ICP4
 Lab File ID: b10122011.asc ICS Source: ME_ICSA_Duo_00034
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	494300	99
Antimony		1.21	
Arsenic		-0.858	
Barium		1.97	
Beryllium		-0.0760	
Cadmium		0.427	
Calcium	500000	469000	94
Chromium		1.31	
Cobalt		-0.188	
Copper		-0.973	
Iron	200000	198400	99
Lead		1.94	
Magnesium	500000	506800	101
Manganese		-1.70	
Nickel		0.166	
Potassium		187	
Selenium		-1.59	
Silver		-0.705	
Sodium		-84.2	
Thallium		-7.25	
Vanadium		-2.98	
Zinc		-1.05	
<i>Boron</i>		<i>-3.13</i>	
<i>Molybdenum</i>		<i>-3.07</i>	
<i>Strontium</i>		<i>-2.64</i>	
<i>Tin</i>		<i>-0.534</i>	
<i>Titanium</i>		<i>-9.87</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-89265/9 Instrument ID: ICP4
 Lab File ID: b10122011.asc ICS Source: ME_ICSAB_DUO_00032
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	493100	99
Antimony	100	96.6	97
Arsenic	100	94.2	94
Barium	100	99.4	99
Beryllium	100	97.8	98
Cadmium	100	94.6	95
Calcium	500000	468500	94
Chromium	100	102	102
Cobalt	100	93.3	93
Copper	100	98.3	98
Iron	200000	200000	100
Lead	100	93.3	93
Magnesium	500000	512300	102
Manganese	100	99.5	99
Nickel	100	92.2	92
Potassium	10000	10500	105
Selenium	100	98.5	98
Silver	100	102	102
Sodium	10000	10280	103
Thallium	100	86.9	87
Vanadium	100	98.0	98
Zinc	100	91.2	91
<i>Boron</i>	<i>100</i>	<i>91.2</i>	<i>91</i>
<i>Molybdenum</i>	<i>100</i>	<i>91.6</i>	<i>92</i>
<i>Strontium</i>	<i>100</i>	<i>109</i>	<i>109</i>
<i>Tin</i>	<i>100</i>	<i>88.1</i>	<i>88</i>
<i>Titanium</i>	<i>100</i>	<i>87.2</i>	<i>87</i>

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-89337/8 Instrument ID: ICP4
 Lab File ID: a10132011.asc ICS Source: ME_ICSA_Duo_00034
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	502100	100
Antimony		-0.0472	
Arsenic		0.555	
Barium		2.11	
Beryllium		-0.119	
Cadmium		0.123	
Calcium	500000	472200	94
Chromium		1.37	
Cobalt		-0.647	
Copper		-4.67	
Iron	200000	201300	101
Lead		3.46	
Magnesium	500000	510800	102
Manganese		-2.63	
Nickel		-0.722	
Potassium		-9.02	
Selenium		-0.929	
Silver		0.148	
Sodium		-134	
Thallium		-4.32	
Vanadium		-2.28	
Zinc		-0.959	
<i>Boron</i>		<i>-1.50</i>	
<i>Molybdenum</i>		<i>-2.68</i>	
<i>Strontium</i>		<i>-2.60</i>	
<i>Tin</i>		<i>1.49</i>	
<i>Titanium</i>		<i>-10.7</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-89337/9 Instrument ID: ICP4
 Lab File ID: a10132011.asc ICS Source: ME_ICSAB_DUO_00032
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	504500	101
Antimony	100	96.1	96
Arsenic	100	101	101
Barium	100	102	102
Beryllium	100	99.3	99
Cadmium	100	97.3	97
Calcium	500000	471900	94
Chromium	100	103	103
Cobalt	100	95.6	96
Copper	100	91.7	92
Iron	200000	200300	100
Lead	100	98.1	98
Magnesium	500000	515100	103
Manganese	100	100	100
Nickel	100	94.8	95
Potassium	10000	10320	103
Selenium	100	87.7	88
Silver	100	105	105
Sodium	10000	10220	102
Thallium	100	94.5	94
Vanadium	100	99.3	99
Zinc	100	93.9	94
<i>Boron</i>	<i>100</i>	<i>94.0</i>	<i>94</i>
<i>Molybdenum</i>	<i>100</i>	<i>94.2</i>	<i>94</i>
<i>Strontium</i>	<i>100</i>	<i>111</i>	<i>111</i>
<i>Tin</i>	<i>100</i>	<i>92.2</i>	<i>92</i>
<i>Titanium</i>	<i>100</i>	<i>85.9</i>	<i>86</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-31914-E-14-B MS
Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/Kg
% Solids: 82.9

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	1.68	1.3	0.201	186	75-125	4	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.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-31913-A-2-F MS ^4
 Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 87.6

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	2935	1950	226	436	75-125	4	6010B
Antimony	54.88	1.3 J	56.5	95	75-125		6010B
Arsenic	211.9	5.8	226	91	75-125		6010B
Barium	375.3	198	226	78	75-125		6010B
Beryllium	5.72	0.45 U	5.65	101	75-125		6010B
Cadmium	7.28	2.5	5.65	85	75-125		6010B
Calcium	3638	1650	2260	88	75-125		6010B
Chromium	106.3	68.6	22.6	167	75-125	F	6010B
Cobalt	59.18	3.7 J	56.5	98	75-125		6010B
Copper	64.01	38.0	28.2	92	75-125		6010B
Iron	6331	6990	113	-586	75-125	4	6010B
Lead	154.0	95.4	56.5	104	75-125		6010B
Magnesium	2743	451 J	2260	101	75-125		6010B
Manganese	113.0	80.3	56.5	58	75-125	F	6010B
Nickel	67.69	11.1	56.5	100	75-125		6010B
Potassium	2668	351 J	2260	103	75-125		6010B
Selenium	204.4	2.3 U	226	90	75-125		6010B
Silver	5.17	2.3 U	5.65	91	75-125		6010B
Sodium	2485	222 J	2260	100	75-125		6010B
Thallium	231.1	2.3 U	226	102	75-125		6010B
Vanadium	66.61	10.9 J	56.5	99	75-125		6010B
Zinc	184.2	126	56.5	102	75-125		6010B

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.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-31913-A-2-D PDS
 Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	2323	1950	452	82	75-125		6010B
Antimony	105.7	1.3 J	113	92	75-125		6010B
Arsenic	417.5	5.8	452	91	75-125		6010B
Barium	626.5	198	452	95	75-125		6010B
Beryllium	10.87	0.45 U	11.3	96	75-125		6010B
Cadmium	13.27	2.5	11.3	96	75-125		6010B
Calcium	6105	1650	4520	98	75-125		6010B
Chromium	111.6	68.6	45.2	95	75-125		6010B
Cobalt	112.1	3.7 J	113	96	75-125		6010B
Copper	90.69	38.0	56.5	93	75-125		6010B
Iron	7045	6990	226	NC	75-125		6010B
Lead	202.1	95.4	113	94	75-125		6010B
Magnesium	4695	451 J	4520	94	75-125		6010B
Manganese	193.9	80.3	113	101	75-125		6010B
Nickel	121.4	11.1	113	98	75-125		6010B
Potassium	4636	351 J	4520	95	75-125		6010B
Selenium	404.2	2.3 U	452	89	75-125		6010B
Silver	11.36	2.3 U	11.3	101	75-125		6010B
Sodium	4627	222 J	4520	97	75-125		6010B
Thallium	450.3	2.3 U	452	100	75-125		6010B
Vanadium	123.6	10.9 J	113	100	75-125		6010B
Zinc	230.5	126	113	92	75-125		6010B

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.

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-31914-A-14-A DU
Lab Name: TestAmerica Edison Job No.: 460-32010-1
SDG No.: _____
% Solids for Sample: 82.9 % Solids for Duplicate: 82.9
Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.040	1.3	1.36	4		7471A

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-31913-A-2-E DU ^4
 Lab Name: TestAmerica Edison Job No.: 460-32010-1
 SDG No.: _____
 % Solids for Sample: 87.6 % Solids for Duplicate: 87.6
 Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	45.2	1950	1938	0.6		6010B
Antimony	2.3	1.3 J	1.69 J	23		6010B
Arsenic	1.1	5.8	5.86	2		6010B
Barium	45.2	198	197.3	0.6		6010B
Beryllium	0.45	0.45 U	0.45 U	NC		6010B
Cadmium	1.1	2.5	2.49	0.2		6010B
Calcium	1130	1650	1644	0.6		6010B
Chromium	2.3	68.6	68.01	0.9		6010B
Cobalt	11.3	3.7 J	3.65 J	1		6010B
Copper	5.6	38.0	37.24	2		6010B
Iron	33.9	6990	6934	0.8		6010B
Lead	1.1	95.4	95.12	0.3		6010B
Magnesium	1130	451 J	449.4 J	0.5		6010B
Manganese	3.4	80.3	79.71	0.7		6010B
Nickel	9.0	11.1	10.98	1		6010B
Potassium	1130	351 J	335.1 J	5		6010B
Selenium	2.3	2.3 U	2.3 U	NC		6010B
Silver	2.3	2.3 U	2.3 U	NC		6010B
Sodium	1130	222 J	220.9 J	0.7		6010B
Thallium	2.3	2.3 U	2.3 U	NC		6010B
Vanadium	11.3	10.9 J	10.85 J	0.2		6010B
Zinc	6.8	126	125.3	0.8		6010B

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-88751/2-A

Lab Name: TestAmerica Edison

Job No.: 460-32010-1

Sample Matrix: Solid

LCS Source: ME_LCSS_62_00006

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	10500	9178		87	46.1	154		6010B
Antimony	67.4	175.0		260	32.0	353		6010B
Arsenic	104	95.68		92	69.7	131		6010B
Barium	198	186.7		94	73.2	126		6010B
Beryllium	77.6	73.68		95	74.0	126		6010B
Cadmium	60.7	56.66		93	73.3	127		6010B
Calcium	9870	9706		98	75.4	125		6010B
Chromium	236	225.4		96	70.8	129		6010B
Cobalt	91.2	89.58		98	74.4	126		6010B
Copper	174	165.8		95	75.3	124		6010B
Iron	18000	20160		112	42.1	158		6010B
Lead	86.0	84.88		99	69.8	130		6010B
Magnesium	4000	3704		93	69.5	131		6010B
Manganese	558	561.6		101	77.4	123		6010B
Nickel	134	132.3		99	73.2	127		6010B
Potassium	4300	4166		97	65.3	135		6010B
Selenium	286	256.4		90	69.6	130		6010B
Silver	30.1	27.54		91	65.1	135		6010B
Sodium	1020	971.8	J	95	60.2	139		6010B
Thallium	121	128.0		106	67.8	133		6010B
Vanadium	115	118.3		103	67.6	132		6010B
Zinc	594	554.0		93	73.6	127		6010B

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

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-88747/11-A ^10

Lab Name: TestAmerica Edison

Job No.: 460-32010-1

Sample Matrix: Solid

LCS Source: ME_LCSS_62_00014

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	8.46	8.20		97	51.3	149		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: 460-31913-A-2-D SD ^4

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-32010-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	1950		1901		2.5		6010B
Antimony	1.3	J	11.3	U	NC		6010B
Arsenic	5.8		6.69		NC		6010B
Barium	198		194.9	J	1.8		6010B
Beryllium	0.45	U	2.3	U	NC		6010B
Cadmium	2.5		2.35	J	NC		6010B
Calcium	1650		1637	J	1.0		6010B
Chromium	68.6		67.16		2.1		6010B
Cobalt	3.7	J	56.5	U	NC		6010B
Copper	38.0		37.46		NC		6010B
Iron	6990		6896		1.4		6010B
Lead	95.4		95.47		0.06		6010B
Magnesium	451	J	455.1	J	NC		6010B
Manganese	80.3		79.67		0.76		6010B
Nickel	11.1		11.33	J	NC		6010B
Potassium	351	J	551.8	J	NC		6010B
Selenium	2.3	U	11.3	U	NC		6010B
Silver	2.3	U	11.3	U	NC		6010B
Sodium	222	J	5650	U	NC		6010B
Thallium	2.3	U	11.3	U	NC		6010B
Vanadium	10.9	J	10.68	J	NC		6010B
Zinc	126		123.8		2.0		6010B

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: 460-31914-E-14-A SD

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-32010-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Mercury	1.3		1.31		0.31		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 Edison Job Number: 460-32010-1
SDG Number: _____
Matrix: Solid Instrument ID: ICP4
Method: 6010B MDL Date: 12/30/2008 10:24
Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum	308.0	10	3.664
Antimony	206.8	0.5	0.22
Arsenic	189.0	0.25	0.174
Barium	483.4	10	0.302
Beryllium	313.0	0.1	0.044
Cadmium	226.5	0.25	0.039
Calcium	317.9	250	6.574
Chromium	267.7	0.5	0.297
Cobalt	228.6	2.5	0.307
Copper	324.7	1.25	0.204
Iron	271.4	7.5	2.654
Lead	220.6	0.25	0.125
Magnesium	279.0	250	2.645
Manganese	257.0	0.75	0.282
Nickel	231.6	2	0.134
Potassium	766.4	250	11.284
Selenium	196.0	0.5	0.234
Silver	328.0	0.5	0.038
Sodium	330.2	250	15.352
Thallium	190.8	0.5	0.242
Vanadium	292.4	2.5	0.13
Zinc	206.2	1.5	0.245

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-32010-1
SDG Number: _____
Matrix: Solid Instrument ID: ICP4
Method: 6010B XMDL Date: 01/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	86.956
Antimony		10	4.6
Arsenic		5	3.831
Barium		200	3.212
Beryllium		2	0.942
Cadmium		5	0.918
Calcium		5000	72.229
Chromium		10	3.201
Cobalt		50	2.767
Copper		25	3.648
Iron		150	40.158
Lead		5	2.787
Magnesium		5000	58.863
Manganese		15	2.515
Nickel		40	3.509
Potassium		5000	208.667
Selenium		10	4.752
Silver		10	0.969
Sodium		5000	341.097
Thallium		10	4.643
Vanadium		50	1.978
Zinc		30	5.798

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-32010-1
SDG Number: _____
Matrix: Solid Instrument ID: LEEMAN3
Method: 7471A MDL Date: 03/23/2011 11:28
Prep Method: 7471A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.033	0.022

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-32010-1
SDG Number: _____
Matrix: Solid Instrument ID: LEEMAN3
Method: 7471A XMDL Date: 12/30/2008 14:34

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.185

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Edison

Job No: 460-32010-1

SDG No.: _____

Instrument ID: ICP4

Date: 01/06/2009 11:38

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		500000	6010B
Antimony		2000	6010B
Arsenic		10000	6010B
Barium		20000	6010B
Beryllium		2000	6010B
Cadmium		5000	6010B
Calcium		250000	6010B
Chromium		10000	6010B
Cobalt		5000	6010B
Copper		25000	6010B
Iron		200000	6010B
Lead		20000	6010B
Magnesium		250000	6010B
Manganese		10000	6010B
Nickel		5000	6010B
Potassium		100000	6010B
Selenium		10000	6010B
Silver		2500	6010B
Sodium		250000	6010B
Thallium		10000	6010B
Vanadium		5000	6010B
Zinc		5000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-88751/1-A ^2	10/07/2011 18:56	88751	1.00		50
LCSSRM 460-88751/2-A	10/07/2011 18:56	88751	1.00		50
460-31913-A-2-E DU ^4	10/07/2011 18:56	88751	1.01		50
460-31913-A-2-F MS ^4	10/07/2011 18:56	88751	1.01		50
460-32010-5	10/07/2011 18:56	88751	1.02		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-88747/10-A	10/07/2011 18:00	88747	0.60		100
LCSSRM 460-88747/11-A ^10	10/07/2011 18:00	88747	0.60		100
460-31914-A-14-A DU	10/07/2011 18:00	88747	0.60		100
460-31914-E-14-B MS	10/07/2011 18:00	88747	0.60		100
460-32010-5	10/07/2011 18:00	88747	0.64		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 10/12/2011 10:58 End Date: 10/12/2011 16:40

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			10:58																				
ZZZZZZ			11:02																				
ZZZZZZ			11:06																				
ZZZZZZ			11:09																				
ZZZZZZ			11:12																				
ICV 460-89265/6			11:16																				
ICB 460-89265/7	1		11:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-89265/8	1		11:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-89265/9	1		11:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			11:30																				
ZZZZZZ			11:34																				
ZZZZZZ			11:38																				
ZZZZZZ			11:41																				
ZZZZZZ			11:45																				
ZZZZZZ			11:49																				
ZZZZZZ			11:52																				
ZZZZZZ			11:56																				
CCV 460-89265/18			12:00																				
CCB 460-89265/19			12:03																				
ZZZZZZ			12:07																				
ZZZZZZ			12:10																				
ZZZZZZ			12:14																				
ZZZZZZ			12:18																				
ZZZZZZ			12:21																				
ZZZZZZ			12:25																				
ZZZZZZ			12:29																				
ZZZZZZ			12:33																				
ZZZZZZ			12:36																				
ZZZZZZ			12:40																				
CCV 460-89265/30			12:44																				
CCB 460-89265/31			12:47																				
ZZZZZZ			12:51																				
ZZZZZZ			12:54																				
ZZZZZZ			12:58																				
ZZZZZZ			13:01																				
ZZZZZZ			13:05																				
ZZZZZZ			13:09																				
ZZZZZZ			13:13																				
ZZZZZZ			13:16																				
ZZZZZZ			13:20																				
ZZZZZZ			13:23																				
CCV 460-89265/42	1		13:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 10/12/2011 10:58 End Date: 10/12/2011 16:40

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
CCB 460-89265/43	1		13:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSSRM 460-88751/2-A	4	T	13:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-31913-A-2-E DU ^4	4	T	13:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:41																			
460-31913-A-2-D SD ^4	20	T	13:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-31913-A-2-F MS ^4	4	T	13:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-31913-A-2-D PDS	4	T	13:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:55																			
ZZZZZZ			13:58																			
ZZZZZZ			14:02																			
ZZZZZZ			14:06																			
CCV 460-89265/54	1		14:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-89265/55	1		14:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:16																			
ZZZZZZ			14:20																			
ZZZZZZ			14:23																			
ZZZZZZ			14:27																			
ZZZZZZ			14:31																			
ZZZZZZ			14:34																			
ZZZZZZ			14:38																			
ZZZZZZ			14:42																			
ZZZZZZ			14:45																			
ZZZZZZ			14:49																			
CCV 460-89265/66	1		14:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-89265/67	1		14:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:00																			
ZZZZZZ			15:03																			
MB 460-88751/1-A ^2	2	T	15:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:10																			
ZZZZZZ			15:14																			
ZZZZZZ			15:17																			
ZZZZZZ			15:21																			
ZZZZZZ			15:25																			
ZZZZZZ			15:29																			
ZZZZZZ			15:32																			
CCV 460-89265/78	1		15:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-89265/79	1		15:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:43																			
ZZZZZZ			15:47																			
ZZZZZZ			15:50																			
ZZZZZZ			15:54																			
ZZZZZZ			15:57																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 10/12/2011 10:58 End Date: 10/12/2011 16:40

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			16:01																			
ZZZZZZ			16:05																			
ZZZZZZ			16:08																			
ZZZZZZ			16:12																			
ZZZZZZ			16:16																			
CCV 460-89265/90			16:19																			
CCB 460-89265/91			16:23																			
ZZZZZZ			16:26																			
ZZZZZZ			16:30																			
ZZZZZZ			16:34																			
CCV 460-89265/95			16:37																			
CCB 460-89265/96			16:40																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 10/12/2011 10:58 End Date: 10/12/2011 16:40

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			10:58																		
ZZZZZZ			11:02																		
ZZZZZZ			11:06																		
ZZZZZZ			11:09																		
ZZZZZZ			11:12																		
ICV 460-89265/6			11:16																		
ICB 460-89265/7	1		11:19	X	X																
ICSA 460-89265/8	1		11:23	X	X																
ICSAB 460-89265/9	1		11:27	X	X																
ZZZZZZ			11:30																		
ZZZZZZ			11:34																		
ZZZZZZ			11:38																		
ZZZZZZ			11:41																		
ZZZZZZ			11:45																		
ZZZZZZ			11:49																		
ZZZZZZ			11:52																		
ZZZZZZ			11:56																		
CCV 460-89265/18			12:00																		
CCB 460-89265/19			12:03																		
ZZZZZZ			12:07																		
ZZZZZZ			12:10																		
ZZZZZZ			12:14																		
ZZZZZZ			12:18																		
ZZZZZZ			12:21																		
ZZZZZZ			12:25																		
ZZZZZZ			12:29																		
ZZZZZZ			12:33																		
ZZZZZZ			12:36																		
ZZZZZZ			12:40																		
CCV 460-89265/30			12:44																		
CCB 460-89265/31			12:47																		
ZZZZZZ			12:51																		
ZZZZZZ			12:54																		
ZZZZZZ			12:58																		
ZZZZZZ			13:01																		
ZZZZZZ			13:05																		
ZZZZZZ			13:09																		
ZZZZZZ			13:13																		
ZZZZZZ			13:16																		
ZZZZZZ			13:20																		
ZZZZZZ			13:23																		
CCV 460-89265/42	1		13:27	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 10/12/2011 10:58 End Date: 10/12/2011 16:40

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCB 460-89265/43	1		13:30	X	X																
LCSSRM 460-88751/2-A	4	T	13:34	X	X																
460-31913-A-2-E DU ^4	4	T	13:38	X	X																
ZZZZZZ			13:41																		
460-31913-A-2-D SD ^4	20	T	13:45	X	X																
460-31913-A-2-F MS ^4	4	T	13:48	X	X																
460-31913-A-2-D PDS	4	T	13:52	X	X																
ZZZZZZ			13:55																		
ZZZZZZ			13:58																		
ZZZZZZ			14:02																		
ZZZZZZ			14:06																		
CCV 460-89265/54	1		14:09	X	X																
CCB 460-89265/55	1		14:12	X	X																
ZZZZZZ			14:16																		
ZZZZZZ			14:20																		
ZZZZZZ			14:23																		
ZZZZZZ			14:27																		
ZZZZZZ			14:31																		
ZZZZZZ			14:34																		
ZZZZZZ			14:38																		
ZZZZZZ			14:42																		
ZZZZZZ			14:45																		
ZZZZZZ			14:49																		
CCV 460-89265/66	1		14:53	X	X																
CCB 460-89265/67	1		14:56	X	X																
ZZZZZZ			15:00																		
ZZZZZZ			15:03																		
MB 460-88751/1-A ^2	2	T	15:07	X	X																
ZZZZZZ			15:10																		
ZZZZZZ			15:14																		
ZZZZZZ			15:17																		
ZZZZZZ			15:21																		
ZZZZZZ			15:25																		
ZZZZZZ			15:29																		
ZZZZZZ			15:32																		
CCV 460-89265/78	1		15:36	X	X																
CCB 460-89265/79	1		15:39	X	X																
ZZZZZZ			15:43																		
ZZZZZZ			15:47																		
ZZZZZZ			15:50																		
ZZZZZZ			15:54																		
ZZZZZZ			15:57																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 10/12/2011 10:58 End Date: 10/12/2011 16:40

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			16:01																		
ZZZZZZ			16:05																		
ZZZZZZ			16:08																		
ZZZZZZ			16:12																		
ZZZZZZ			16:16																		
CCV 460-89265/90			16:19																		
CCB 460-89265/91			16:23																		
ZZZZZZ			16:26																		
ZZZZZZ			16:30																		
ZZZZZZ			16:34																		
CCV 460-89265/95			16:37																		
CCB 460-89265/96			16:40																		

Prep Types

E = SPLP East

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 10/12/2011 18:50 End Date: 10/13/2011 00:09

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			18:50																				
ZZZZZZ			18:54																				
ZZZZZZ			18:57																				
ZZZZZZ			19:01																				
ZZZZZZ			19:04																				
ICV 460-89337/6	1		19:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-89337/7	1		19:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-89337/8	1		19:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-89337/9	1		19:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			19:22																				
ZZZZZZ			19:26																				
ZZZZZZ			19:29																				
ZZZZZZ			19:33																				
ZZZZZZ			19:36																				
ZZZZZZ			19:40																				
ZZZZZZ			19:43																				
ZZZZZZ			19:47																				
CCV 460-89337/18	1		19:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-89337/19	1		19:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			19:58																				
ZZZZZZ			20:01																				
ZZZZZZ			20:05																				
ZZZZZZ			20:08																				
460-32010-5	4	T	20:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			20:15																				
ZZZZZZ			20:19																				
ZZZZZZ			20:22																				
ZZZZZZ			20:26																				
ZZZZZZ			20:30																				
CCV 460-89337/30	1		20:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-89337/31	1		20:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			20:40																				
ZZZZZZ			20:44																				
ZZZZZZ			20:47																				
ZZZZZZ			20:51																				
ZZZZZZ			20:54																				
ZZZZZZ			20:58																				
ZZZZZZ			21:01																				
ZZZZZZ			21:05																				
ZZZZZZ			21:08																				
ZZZZZZ			21:12																				
CCV 460-89337/42			21:15																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 10/12/2011 18:50 End Date: 10/13/2011 00:09

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
CCB 460-89337/43			21:19																				
ZZZZZZ			21:23																				
ZZZZZZ			21:26																				
ZZZZZZ			21:30																				
ZZZZZZ			21:33																				
ZZZZZZ			21:37																				
ZZZZZZ			21:40																				
ZZZZZZ			21:44																				
ZZZZZZ			21:47																				
ZZZZZZ			21:51																				
ZZZZZZ			21:54																				
CCV 460-89337/54			21:58																				
CCB 460-89337/55			22:01																				
ZZZZZZ			22:05																				
ZZZZZZ			22:08																				
ZZZZZZ			22:12																				
ZZZZZZ			22:16																				
ZZZZZZ			22:19																				
ZZZZZZ			22:23																				
ZZZZZZ			22:27																				
ZZZZZZ			22:30																				
ZZZZZZ			22:34																				
ZZZZZZ			22:37																				
CCV 460-89337/66			22:41																				
CCB 460-89337/67			22:44																				
ZZZZZZ			22:48																				
ZZZZZZ			22:51																				
ZZZZZZ			22:55																				
ZZZZZZ			22:58																				
ZZZZZZ			23:02																				
ZZZZZZ			23:05																				
ZZZZZZ			23:09																				
ZZZZZZ			23:12																				
ZZZZZZ			23:16																				
ZZZZZZ			23:19																				
CCV 460-89337/78			23:23																				
CCB 460-89337/79			23:26																				
ZZZZZZ			23:30																				
ZZZZZZ			23:34																				
ZZZZZZ			23:37																				
ZZZZZZ			23:41																				
ZZZZZZ			23:44																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 10/12/2011 18:50 End Date: 10/13/2011 00:09

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			23:48																			
ZZZZZZ			23:52																			
ZZZZZZ			23:55																			
ZZZZZZ			23:59																			
ZZZZZZ			00:02																			
CCV 460-89337/90			00:06																			
CCB 460-89337/91			00:09																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 10/12/2011 18:50 End Date: 10/13/2011 00:09

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			18:50																		
ZZZZZZ			18:54																		
ZZZZZZ			18:57																		
ZZZZZZ			19:01																		
ZZZZZZ			19:04																		
ICV 460-89337/6	1		19:08	X	X																
ICB 460-89337/7	1		19:11	X	X																
ICSA 460-89337/8	1		19:15	X	X																
ICSAB 460-89337/9	1		19:18	X	X																
ZZZZZZ			19:22																		
ZZZZZZ			19:26																		
ZZZZZZ			19:29																		
ZZZZZZ			19:33																		
ZZZZZZ			19:36																		
ZZZZZZ			19:40																		
ZZZZZZ			19:43																		
ZZZZZZ			19:47																		
CCV 460-89337/18	1		19:50	X	X																
CCB 460-89337/19	1		19:54	X	X																
ZZZZZZ			19:58																		
ZZZZZZ			20:01																		
ZZZZZZ			20:05																		
ZZZZZZ			20:08																		
460-32010-5	4	T	20:12	X	X																
ZZZZZZ			20:15																		
ZZZZZZ			20:19																		
ZZZZZZ			20:22																		
ZZZZZZ			20:26																		
ZZZZZZ			20:30																		
CCV 460-89337/30	1		20:33	X	X																
CCB 460-89337/31	1		20:36	X	X																
ZZZZZZ			20:40																		
ZZZZZZ			20:44																		
ZZZZZZ			20:47																		
ZZZZZZ			20:51																		
ZZZZZZ			20:54																		
ZZZZZZ			20:58																		
ZZZZZZ			21:01																		
ZZZZZZ			21:05																		
ZZZZZZ			21:08																		
ZZZZZZ			21:12																		
CCV 460-89337/42			21:15																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 10/12/2011 18:50 End Date: 10/13/2011 00:09

Lab Sample ID	D / F	T y p e	Time	Analytes															
				V	Z														
CCB 460-89337/43			21:19																
ZZZZZZ			21:23																
ZZZZZZ			21:26																
ZZZZZZ			21:30																
ZZZZZZ			21:33																
ZZZZZZ			21:37																
ZZZZZZ			21:40																
ZZZZZZ			21:44																
ZZZZZZ			21:47																
ZZZZZZ			21:51																
ZZZZZZ			21:54																
CCV 460-89337/54			21:58																
CCB 460-89337/55			22:01																
ZZZZZZ			22:05																
ZZZZZZ			22:08																
ZZZZZZ			22:12																
ZZZZZZ			22:16																
ZZZZZZ			22:19																
ZZZZZZ			22:23																
ZZZZZZ			22:27																
ZZZZZZ			22:30																
ZZZZZZ			22:34																
ZZZZZZ			22:37																
CCV 460-89337/66			22:41																
CCB 460-89337/67			22:44																
ZZZZZZ			22:48																
ZZZZZZ			22:51																
ZZZZZZ			22:55																
ZZZZZZ			22:58																
ZZZZZZ			23:02																
ZZZZZZ			23:05																
ZZZZZZ			23:09																
ZZZZZZ			23:12																
ZZZZZZ			23:16																
ZZZZZZ			23:19																
CCV 460-89337/78			23:23																
CCB 460-89337/79			23:26																
ZZZZZZ			23:30																
ZZZZZZ			23:34																
ZZZZZZ			23:37																
ZZZZZZ			23:41																
ZZZZZZ			23:44																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 10/12/2011 18:50 End Date: 10/13/2011 00:09

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			23:48																		
ZZZZZZ			23:52																		
ZZZZZZ			23:55																		
ZZZZZZ			23:59																		
ZZZZZZ			00:02																		
CCV 460-89337/90			00:06																		
CCB 460-89337/91			00:09																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 10/07/2011 20:55 End Date: 10/07/2011 23:10

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 460-88747/1-A			20:55	X															
IC 460-88747/2-A			20:57	X															
IC 460-88747/3-A			20:59	X															
IC 460-88747/4-A			21:02	X															
IC 460-88747/5-A			21:04	X															
IC 460-88747/6-A			21:06	X															
ICV 460-88747/7-A	1		21:08	X															
ICB 460-88757/8	1		21:10	X															
MB 460-88747/10-A	1	T	21:12	X															
LCSSRM 460-88747/11-A ^10	10	T	21:15	X															
ZZZZZZ			21:16																
460-31914-A-14-A DU	1	T	21:18	X															
460-31914-E-14-B MS	1	T	21:20	X															
ZZZZZZ			21:22																
ZZZZZZ			21:24																
460-32010-5	1	T	21:26	X															
ZZZZZZ			21:28																
ZZZZZZ			21:30																
CCV 460-88747/8-A	1		21:32	X															
CCB 460-88757/20	1		21:34	X															
ZZZZZZ			21:36																
ZZZZZZ			21:38																
ZZZZZZ			21:40																
ZZZZZZ			21:42																
ZZZZZZ			21:44																
ZZZZZZ			21:46																
ZZZZZZ			21:48																
ZZZZZZ			21:50																
ZZZZZZ			21:52																
ZZZZZZ			21:54																
CCV 460-88747/8-A	1		21:56	X															
CCB 460-88757/32	1		21:58	X															
ZZZZZZ			22:00																
ZZZZZZ			22:02																
ZZZZZZ			22:03																
ZZZZZZ			22:05																
ZZZZZZ			22:07																
ZZZZZZ			22:09																
ZZZZZZ			22:11																
460-31914-E-14-A SD	5	T	22:13	X															
CCV 460-88747/8-A	1		22:14	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 10/07/2011 20:55 End Date: 10/07/2011 23:10

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
CCB 460-88757/42	1		22:16	X																	
ZZZZZZ			22:18																		
ZZZZZZ			22:20																		
ZZZZZZ			22:21																		
ZZZZZZ			22:23																		
ZZZZZZ			22:25																		
ZZZZZZ			22:28																		
ZZZZZZ			22:30																		
ZZZZZZ			22:32																		
ZZZZZZ			22:34																		
ZZZZZZ			22:36																		
CCV 460-88747/8-A			22:37																		
CCB 460-88757/54			22:39																		
ZZZZZZ			22:41																		
ZZZZZZ			22:43																		
ZZZZZZ			22:44																		
ZZZZZZ			22:46																		
ZZZZZZ			22:48																		
ZZZZZZ			22:50																		
ZZZZZZ			22:52																		
ZZZZZZ			22:54																		
ZZZZZZ			22:56																		
ZZZZZZ			22:58																		
CCV 460-88747/8-A			23:00																		
CCB 460-88757/66			23:02																		
ZZZZZZ			23:04																		
ZZZZZZ			23:06																		
CCV 460-88747/8-A			23:08																		
CCB 460-88757/70			23:10																		

Prep Types

T = Total/NA

Sample Name: CAL_BLK Acquired: 10/12/2011 10:58:42 Type: Cal
Method: SW84610112011(v15) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0003	-.0001	.0000	.0006	-.0006	-.0090
Stddev	.0009	.0001	.0001	.0001	.0014	.0023
%RSD	275.1	261.4	324.7	23.19	254.1	25.61

#1	.0003	.0000	.0000	.0004	-.0017	-.0110
#2	.0001	-.0002	-.0001	.0007	-.0010	-.0095
#3	-.0014	.0000	.0002	.0006	.0010	-.0065

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0001	-.0007	.0000	.0011	.0000	-.0303
Stddev	.0006	.0002	.0001	.0007	.0000	.0017
%RSD	388.4	33.38	297.1	67.09	112.3	5.651

#1	.0001	-.0005	.0001	.0003	.0000	-.0291
#2	.0003	-.0009	-.0001	.0012	.0000	-.0322
#3	-.0008	-.0006	.0002	.0018	.0001	-.0295

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0001	-.0140	-.0006	.0001	-.0002
Stddev	.000	.0000	.0035	.0001	.0002	.0002
%RSD	270.8	23.32	24.84	24.98	223.8	89.91

#1	-.0001	.0002	-.0180	-.0006	-.0001	-.0004
#2	-.0001	.0001	-.0116	-.0004	.0001	-.0002
#3	.0001	.0001	-.0125	-.0007	.0003	.0000

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	-.0005	.0002	.0010	.0008	-.0006
Stddev	.0001	.0001	.0001	.0001	.0000	.0001
%RSD	55.38	15.44	50.67	11.93	2.558	21.32

#1	.0003	-.0005	.0001	.0008	.0008	-.0005
#2	.0001	-.0005	.0002	.0010	.0009	-.0008
#3	.0004	-.0004	.0002	.0011	.0008	-.0005

Sample Name: CAL_BLK Acquired: 10/12/2011 10:58:42 Type: Cal
Method: SW84610112011(v15) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0015	.0000
Stddev	.0000	.0014	.0005
%RSD	10.41	96.38	1590.

#1	.0002	.0002	-.0005
#2	.0002	-.0021	.0005
#3	.0002	-.0025	.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2406.0	34484.	4416.3
Stddev	4.2	109.	23.1
%RSD	.17633	.31527	.52300

#1	2407.8	34442.	4420.8
#2	2401.2	34607.	4436.8
#3	2409.1	34402.	4391.2

Sample Name: DCAL1 Acquired: 10/12/2011 11:02:24 Type: Cal
Method: SW84610112011(v15) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0161	.0001	.0024	.5605	.0142	.3313
Stddev	.0009	.0001	.0001	.0013	.0011	.0014
%RSD	5.551	66.82	4.724	.2318	7.787	.4348

#1	.0165	.0002	.0024	.5590	.0133	.3322
#2	.0151	.0002	.0024	.5612	.0154	.3296
#3	.0167	.0000	.0026	.5612	.0137	.3320

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0155	.0583	.0023	.0067	.0015	.1984
Stddev	.0003	.0003	.0000	.0003	.0001	.0006
%RSD	2.052	.5567	1.109	4.579	4.221	.3045

#1	.0157	.0580	.0023	.0070	.0016	.1983
#2	.0151	.0584	.0023	.0067	.0015	.1979
#3	.0156	.0586	.0023	.0064	.0014	.1991

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1497	.0270	.6225	.0401	.0015	.0014
Stddev	.0002	.0002	.0011	.0002	.0002	.0002
%RSD	.1643	.5927	.1799	.4734	12.94	11.26

#1	.1495	.0270	.6213	.0401	.0013	.0016
#2	.1498	.0268	.6229	.0403	.0017	.0013
#3	.1499	.0271	.6235	.0399	.0015	.0014

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	.0013	.0114	.0376	.0193	.0157
Stddev	.0001	.0001	.0001	.0002	.0002	.0002
%RSD	16.61	5.839	1.088	.5012	1.101	1.322

#1	.0005	.0012	.0115	.0376	.0191	.0155
#2	.0006	.0014	.0115	.0374	.0195	.0159
#3	.0005	.0014	.0113	.0378	.0194	.0156

Sample Name: DCAL1 Acquired: 10/12/2011 11:02:24 Type: Cal
Method: SW84610112011(v15) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S
Avg	.0099	.1933	.0141
Stddev	.0002	.0006	.0001
%RSD	1.646	.3171	.7997

#1	.0098	.1926	.0139
#2	.0101	.1936	.0141
#3	.0098	.1938	.0142

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2390.0	34228.	4425.2
Stddev	3.3	108.	7.7
%RSD	.13927	.31529	.17359

#1	2391.9	34352.	4418.8
#2	2392.1	34155.	4423.2
#3	2386.2	34177.	4433.7

Sample Name: DCAL2 Acquired: 10/12/2011 11:06:01 Type: Cal
Method: SW84610112011(v15) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.005	.0353	.0637	5.558	1.453	1.690
Stddev	.023	.0002	.0007	.017	.016	.020
%RSD	1.161	.5346	1.152	.3033	1.131	1.153

#1	1.978	.0352	.0628	5.572	1.434	1.667
#2	2.022	.0355	.0641	5.563	1.465	1.701
#3	2.014	.0352	.0642	5.540	1.461	1.700

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.9937	.5825	.2197	.4619	.1886	.4144
Stddev	.0021	.0018	.0013	.0054	.0012	.0040
%RSD	.2138	.3139	.5693	1.167	.6531	.9684

#1	.9955	.5843	.2185	.4560	.1881	.4099
#2	.9942	.5824	.2210	.4664	.1900	.4154
#3	.9914	.5807	.2196	.4635	.1877	.4177

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.7309	1.761	3.133	.4936	.4267	.0303
Stddev	.0050	.011	.039	.0023	.0011	.0004
%RSD	.6890	.6438	1.247	.4702	.2670	1.253

#1	.7261	1.751	3.088	.4957	.4272	.0303
#2	.7362	1.773	3.158	.4938	.4275	.0307
#3	.7303	1.758	3.152	.4911	.4254	.0300

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0342	.0691	.1163	.5932	.0824	.4092
Stddev	.0003	.0005	.0008	.0015	.0002	.0012
%RSD	.9670	.7485	.7056	.2548	.2273	.2864

#1	.0338	.0690	.1156	.5946	.0823	.4103
#2	.0345	.0696	.1172	.5933	.0826	.4091
#3	.0343	.0686	.1163	.5916	.0824	.4080

Sample Name: DCAL2 Acquired: 10/12/2011 11:06:01 Type: Cal
Method: SW84610112011(v15) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S
Avg	.0385	9.777	1.424
Stddev	.0003	.114	.018
%RSD	.7915	1.167	1.238

#1	.0388	9.646	1.404
#2	.0386	9.857	1.436
#3	.0382	9.827	1.433

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2341.8	33377.	4403.9
Stddev	10.8	58.	44.5
%RSD	.45938	.17354	1.0102

#1	2333.5	33407.	4454.7
#2	2337.8	33310.	4384.6
#3	2353.9	33413.	4372.2

Sample Name: DCAL3 Acquired: 10/12/2011 11:09:27 Type: Cal
Method: SW84610112011(v15) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	10.05	.1802	.3251	27.33	7.256	8.400
Stddev	.07	.0004	.0011	.10	.053	.055
%RSD	.7241	.2450	.3488	.3616	.7310	.6567

#1	9.991	.1798	.3238	27.22	7.220	8.362
#2	10.03	.1807	.3256	27.37	7.230	8.375
#3	10.13	.1802	.3259	27.40	7.317	8.463

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.857	2.829	1.087	2.297	.9297	2.166
Stddev	.016	.010	.005	.017	.0069	.014
%RSD	.3380	.3607	.4396	.7196	.7459	.6414

#1	4.838	2.817	1.082	2.287	.9217	2.156
#2	4.864	2.833	1.087	2.289	.9340	2.161
#3	4.869	2.836	1.091	2.317	.9333	2.182

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.681	8.658	15.82	2.388	2.045	.1528
Stddev	.018	.042	.08	.008	.005	.0007
%RSD	.4840	.4899	.5152	.3412	.2482	.4309

#1	3.662	8.609	15.77	2.379	2.040	.1520
#2	3.683	8.679	15.77	2.390	2.048	.1532
#3	3.698	8.685	15.91	2.395	2.049	.1531

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1731	.3219	.5826	2.921	.4074	2.051
Stddev	.0006	.0012	.0043	.010	.0019	.008
%RSD	.3530	.3677	.7417	.3455	.4564	.4070

#1	.1724	.3207	.5777	2.909	.4053	2.041
#2	.1734	.3230	.5850	2.926	.4087	2.054
#3	.1735	.3220	.5853	2.928	.4083	2.057

Sample Name: DCAL3 Acquired: 10/12/2011 11:09:27 Type: Cal
Method: SW84610112011(v15) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S
Avg	.1883	49.09	7.186
Stddev	.0006	.29	.055
%RSD	.3183	.5964	.7597

#1	.1876	48.88	7.147
#2	.1886	48.96	7.164
#3	.1887	49.42	7.249

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2214.9	31599.	4320.2
Stddev	3.6	30.	10.9
%RSD	.16337	.09538	.25130

#1	2210.8	31617.	4329.3
#2	2217.5	31616.	4323.2
#3	2216.4	31564.	4308.2

Sample Name: DCAL4 Acquired: 10/12/2011 11:12:47 Type: Cal
Method: SW84610112011(v15) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	20.26	.3699	.6688	53.94	14.39	16.41
Stddev	.06	.0016	.0008	.13	.04	.06
%RSD	.3148	.4385	.1177	.2432	.2707	.3713

#1	20.19	.3718	.6696	54.08	14.35	16.34
#2	20.32	.3694	.6689	53.94	14.42	16.45
#3	20.25	.3687	.6680	53.81	14.41	16.45

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.655	5.603	2.155	4.562	1.843	4.380
Stddev	.025	.018	.003	.013	.008	.021
%RSD	.2589	.3212	.1444	.2791	.4222	.4782

#1	9.681	5.623	2.157	4.547	1.851	4.356
#2	9.652	5.600	2.158	4.571	1.836	4.393
#3	9.631	5.587	2.152	4.567	1.842	4.390

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.343	16.85	31.46	4.712	4.032	.3107
Stddev	.005	.06	.11	.014	.011	.0014
%RSD	.0655	.3830	.3384	.2907	.2719	.4351

#1	7.339	16.79	31.36	4.724	4.044	.3122
#2	7.342	16.92	31.46	4.714	4.030	.3097
#3	7.348	16.85	31.57	4.697	4.022	.3100

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3543	.6274	1.168	5.789	.8229	4.079
Stddev	.0017	.0016	.005	.017	.0013	.009
%RSD	.4825	.2556	.4008	.2858	.1637	.2116

#1	.3558	.6293	1.173	5.806	.8244	4.087
#2	.3545	.6264	1.163	5.787	.8227	4.079
#3	.3524	.6266	1.168	5.773	.8217	4.070

Sample Name: DCAL4 Acquired: 10/12/2011 11:12:47 Type: Cal
Method: SW84610112011(v15) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S
Avg	.3715	96.99	14.32
Stddev	.0016	.66	.06
%RSD	.4411	.6765	.3851

#1	.3729	96.25	14.26
#2	.3719	97.49	14.37
#3	.3697	97.24	14.32

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2104.7	30263.	4293.2
Stddev	3.2	124.	25.0
%RSD	.15412	.40938	.58258

#1	2105.4	30130.	4316.5
#2	2107.6	30375.	4266.8
#3	2101.2	30284.	4296.3

Sample Name: ICV Acquired: 10/12/2011 11:16:34 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125300.	2495.	1243.	10140.	1004.	127000.
Stddev	904.	5.	4.	24.	11.	1724.
%RSD	.7219	.1816	.3007	.2390	1.093	1.358

#1	124300.	2493.	1240.	10130.	991.5	125000.
#2	126100.	2500.	1247.	10170.	1013.	128300.
#3	125400.	2492.	1241.	10130.	1007.	127600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1266.	2513.	5071.	12580.	101400.	49960.
Stddev	3.	7.	26.	122.	1326.	659.
%RSD	.2180	.2781	.5179	.9679	1.308	1.319

#1	1265.	2510.	5040.	12440.	100000.	49200.
#2	1269.	2521.	5089.	12680.	101300.	50420.
#3	1264.	2508.	5083.	12620.	102700.	50250.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125400.	5137.	124900.	2548.	7598.	1014.
Stddev	693.	39.	2519.	6.	22.	2.
%RSD	.5527	.7531	2.016	.2267	.2907	.2089

#1	124600.	5096.	122000.	2545.	7589.	1016.
#2	125800.	5142.	126700.	2555.	7623.	1012.
#3	125700.	5173.	126100.	2545.	7582.	1015.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 10/12/2011 11:16:34 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2461.	2582.	2512.	2508.	1002.	2527.
Stddev	16.	6.	33.	6.	2.	6.
%RSD	.6693	.2449	1.300	.2529	.2273	.2525

#1	2444.	2582.	2479.	2506.	1001.	2522.
#2	2477.	2589.	2511.	2515.	1005.	2534.
#3	2461.	2576.	2545.	2503.	1000.	2524.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1006.	5084.	9979.
Stddev	5.	73.	72.
%RSD	.4666	1.439	.7184

#1	1001.	5001.	9905.
#2	1010.	5136.	10050.
#3	1008.	5117.	9985.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2222.7	31534.	4319.6
Stddev	9.8	143.	41.4
%RSD	.44113	.45292	.95761

#1	2224.9	31681.	4364.2
#2	2212.0	31526.	4282.5
#3	2231.3	31396.	4312.0

Sample Name: CCB Acquired: 10/12/2011 11:19:54 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.619	.4384	-1.020	.5778	.0914	36.10
Stddev	8.511	2.905	.406	.1275	.0753	21.26
%RSD	111.7	662.5	39.81	22.07	82.41	58.90

#1	15.85	3.473	-.7666	.6163	.0508	20.21
#2	-1.150	-2.316	-.8056	.6817	.0451	27.83
#3	8.161	.1579	-1.489	.4355	.1783	60.25

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1335	.1017	.8140	2.028	4.740	261.8
Stddev	.0764	.1571	.1545	5.859	6.584	8.8
%RSD	57.21	154.5	18.98	289.0	138.9	3.356

#1	.2176	.0210	.6381	7.096	9.732	270.0
#2	.1145	.2827	.9278	-4.387	-2.722	252.5
#3	.0685	.0013	.8761	3.374	7.211	262.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.862	.2278	45.92	.6989	.3771	2.329
Stddev	1.881	.0228	11.98	.4227	.8317	1.087
%RSD	38.68	10.03	26.09	60.48	220.5	46.68

#1	4.506	.2541	46.83	.3166	-.1030	3.266
#2	3.186	.2134	57.41	1.153	-.1031	1.137
#3	6.896	.2158	33.51	.6272	1.337	2.582

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 11:19:54 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9126	1.429	-.2613	2.253	2.128	1.091
Stddev	1.500	.993	.3495	.072	.420	.606
%RSD	164.4	69.46	133.8	3.186	19.72	55.52
#1	.5727	1.602	-.4512	2.330	2.612	1.632
#2	-.8834	2.324	-.4747	2.188	1.903	1.203
#3	-2.427	.3612	.1421	2.239	1.869	.4369

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.2272	.1876	-.0368
Stddev	.6715	.1174	.9922
%RSD	295.6	62.57	2694.
#1	.9664	.0561	1.095
#2	-.3452	.2247	-.4516
#3	.0604	.2819	-.7544

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2435.6	34487.	4436.3
Stddev	3.1	201.	25.3
%RSD	.12888	.58260	.57041
#1	2436.7	34566.	4456.4
#2	2432.1	34258.	4407.9
#3	2438.1	34636.	4444.5

Sample Name: icsa 1165859 Acquired: 10/12/2011 11:23:37 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 494300.	F -.8580	F -.7054	F 1.968	F -.0760	F 469000.
Stddev	984.	2.659	.6526	.060	.0361	3103.
%RSD	.1991	309.9	92.51	3.037	47.53	.6616

#1	493100.	-1.320	-.1058	1.900	-.0344	465400.
#2	494800.	2.002	-.6100	2.012	-.0941	470600.
#3	494900.	-3.256	-1.401	1.993	-.0994	470900.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±1200.	±800.0	±800.0	±800.0	±800.0	±1200.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F .4265	F -.1882	F 1.313	F -.9725	F 198400.	F 186.8
Stddev	.2955	.3167	.727	.9971	1052.	46.7
%RSD	69.28	168.3	55.41	102.5	.5304	25.01

#1	.3207	.0234	.6155	-1.988	197300.	224.8
#2	.1985	-.5523	2.067	.0050	199300.	200.8
#3	.7603	-.0357	1.255	-.9344	198700.	134.6

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	10000.
Range	±800.0	±800.0	±800.0	±800.0	±1200.	±8000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 506800.	F -1.701	F -84.20	F .1661	F 1.936	F 1.210
Stddev	2270.	.063	9.39	.3242	.507	2.050
%RSD	.4480	3.697	11.16	195.2	26.21	169.5

#1	508300.	-1.765	-87.20	.0062	1.883	-.9511
#2	507900.	-1.639	-91.73	.5392	1.458	1.452
#3	504200.	-1.700	-73.67	-.0471	2.469	3.128

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±1200.	±800.0	±800.0	±800.0	±800.0	±800.0

Sample Name: icsa 1165859 Acquired: 10/12/2011 11:23:37 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -1.585	F -7.247	F -2.976	F -1.048	F -3.126	F -3.072
Stddev	2.165	3.174	.108	.344	1.674	.101
%RSD	136.6	43.80	3.616	32.85	53.56	3.287

#1	-3.884	-7.530	-2.877	-.6562	-1.284	-3.187
#2	-1.287	-3.941	-2.961	-1.303	-4.554	-2.998
#3	.4156	-10.27	-3.091	-1.183	-3.540	-3.031

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±800.0	±800.0	±800.0	±800.0	±800.0	±800.0

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	F -.5341	F -2.635	F -9.873
Stddev	.1610	.040	.974
%RSD	30.14	1.510	9.868

#1	-.7049	-2.652	-8.766
#2	-.3851	-2.663	-10.25
#3	-.5124	-2.589	-10.60

Check ?	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.
Range	±800.0	±800.0	±800.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2181.0	29961.	4296.5
Stddev	3.8	41.	15.0
%RSD	.17508	.13627	.34951

#1	2185.4	29989.	4309.2
#2	2178.4	29980.	4280.0
#3	2179.2	29914.	4300.5

Sample Name: icsab 1165868 Acquired: 10/12/2011 11:27:20 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 493100.	F 94.19	F 101.8	F 99.44	F 97.84	F 468500.
Stddev	1106.	3.12	.9	.57	.33	609.
%RSD	.2243	3.309	.8808	.5702	.3390	.1300

#1	493800.	97.49	102.8	99.12	97.79	469200.
#2	493700.	93.79	101.0	99.10	97.53	468000.
#3	491800.	91.30	101.7	100.1	98.19	468300.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±1200.	±800.0	±800.0	±800.0	±800.0	±1200.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 94.55	F 93.29	F 101.9	F 98.29	F 200000.	F 10500.
Stddev	.38	.34	.1	2.83	989.	61.
%RSD	.4053	.3632	.1364	2.875	.4945	.5849

#1	94.31	93.68	101.8	100.6	201100.	10570.
#2	94.36	93.10	101.9	99.13	199100.	10450.
#3	94.99	93.09	102.0	95.14	199900.	10490.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	10000.
Range	±800.0	±800.0	±800.0	±800.0	±1200.	±8000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 512300.	F 99.49	F 10280.	F 92.20	F 93.32	F 96.56
Stddev	545.	.56	62.	.83	2.59	2.70
%RSD	.1064	.5613	.5985	.8968	2.772	2.796

#1	511900.	100.1	10350.	93.14	94.20	99.04
#2	512300.	99.00	10230.	91.59	95.35	96.98
#3	512900.	99.37	10250.	91.88	90.41	93.68

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±1200.	±800.0	±1200.	±800.0	±800.0	±800.0

Sample Name: icsab 1165868 Acquired: 10/12/2011 11:27:20 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 98.48	F 86.89	F 98.04	F 91.21	F 91.18	F 91.63
Stddev	2.33	2.62	1.05	.57	.87	.82
%RSD	2.361	3.011	1.067	.6243	.9537	.8940

#1	98.05	84.89	99.21	90.55	90.50	92.47
#2	96.40	85.92	97.20	91.51	90.87	90.83
#3	101.0	89.85	97.71	91.56	92.16	91.57

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±800.0	±800.0	±800.0	±800.0	±800.0	±800.0

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	F 88.10	F 109.4	F 87.18
Stddev	.91	.3	1.05
%RSD	1.029	.2342	1.206

#1	88.76	109.6	88.16
#2	88.47	109.1	87.29
#3	87.07	109.6	86.07

Check ?	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.
Range	±800.0	±800.0	±800.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2197.3	29876.	4324.8
Stddev	1.0	38.	10.9
%RSD	.04709	.12574	.25117

#1	2198.3	29833.	4337.1
#2	2196.3	29896.	4316.4
#3	2197.1	29899.	4320.9

Sample Name: int-10 Acquired: 10/12/2011 11:30:55 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 21.81	F -3.350	F .3539	F -1.922	F -.2948	F 86.88
Stddev	16.62	1.144	.1491	.190	.1437	25.08
%RSD	76.21	34.14	42.14	9.879	48.74	28.86

#1	38.97	-3.325	.5260	-2.026	-.4586	60.58
#2	20.65	-4.506	.2647	-1.703	-.2360	110.5
#3	5.796	-2.219	.2709	-2.037	-.1899	89.54

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±800.0	±800.0	±800.0	±800.0	±800.0	±800.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -.8946	F 10800.	F 10080.	F -7.102	F -19.91	F 257.1
Stddev	.0766	37.	24.	2.562	10.46	37.3
%RSD	8.567	.3464	.2362	36.08	52.53	14.50

#1	-.8558	10830.	10060.	-6.424	-30.27	300.0
#2	-.9829	10810.	10110.	-9.935	-20.11	239.0
#3	-.8451	10760.	10080.	-4.948	-9.354	232.3

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	10000.
Range	±800.0	±1200.	±1200.	±800.0	±800.0	±8000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 105.6	F 10460.	F 56.42	F 10950.	F -2.201	F -16.54
Stddev	4.6	60.	19.80	36.	1.763	1.65
%RSD	4.365	.5696	35.10	.3262	80.11	9.985

#1	102.6	10400.	43.65	10980.	-4.113	-14.75
#2	110.9	10450.	79.24	10960.	-.6407	-18.01
#3	103.2	10520.	46.39	10910.	-1.848	-16.87

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±800.0	±1200.	±800.0	±1200.	±800.0	±800.0

Sample Name: int-10 Acquired: 10/12/2011 11:30:55 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -1.1594	F -1.349	F 4988.	F -3.794	F -7.992	F 5036.
Stddev	3.019	3.251	4.	.328	.167	14.
%RSD	1894.	241.0	.0783	8.647	2.092	.2809

#1	1.639	-4.462	4990.	-4.146	-7.973	5048.
#2	-3.645	2.025	4991.	-3.741	-7.836	5039.
#3	1.528	-1.611	4984.	-3.496	-8.169	5020.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.	1000.	1000.	1000.
Range	±800.0	±800.0	±1200.	±800.0	±800.0	±1200.

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	F 10260.	F 10150.	F 9739.
Stddev	32.	86.	16.
%RSD	.3097	.8426	.1683

#1	10290.	10220.	9745.
#2	10280.	10180.	9751.
#3	10230.	10050.	9720.

Check ?	Chk Fail	Chk Fail	Chk Fail
Value	1000.	1000.	1000.
Range	±1200.	±1200.	±1200.

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2356.5	34424.	4452.9
Stddev	4.0	172.	31.1
%RSD	.16883	.49980	.69809

#1	2352.8	34225.	4447.0
#2	2356.0	34521.	4425.3
#3	2360.7	34525.	4486.6

Sample Name: 460-32163-D-1-A Acquired: 10/12/2011 11:34:43 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35.10	83.43	-.0884	163.2	-.0066	65520.
Stddev	9.29	1.52	.1789	.6	.0665	318.
%RSD	26.47	1.819	202.3	.3479	1010.	.4853
#1	24.60	81.72	-.2827	162.6	-.0829	65170.
#2	38.45	84.63	.0693	163.6	.0251	65610.
#3	42.24	83.93	-.0519	163.5	.0381	65780.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1775	.7930	1.272	4.914	82280.	21160.
Stddev	.1345	.2906	.116	2.677	546.	34.
%RSD	75.73	36.65	9.145	54.47	.6635	.1629
#1	-.3327	.5224	1.139	3.816	82390.	21120.
#2	-.0944	.7564	1.357	7.965	81690.	21190.
#3	-.1056	1.100	1.319	2.962	82770.	21150.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18070.	96.95	43240.	15.87	-1.081	-1.085
Stddev	91.	.18	270.	.03	1.323	.643
%RSD	.5029	.1832	.6234	.1892	122.3	59.32
#1	17960.	96.80	42930.	15.91	-.0317	-1.769
#2	18100.	96.89	43390.	15.85	-2.567	-.9939
#3	18140.	97.15	43410.	15.86	-.6455	-.4915

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32163-D-1-A Acquired: 10/12/2011 11:34:43 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.9896	-1.250	8.936	16.08	548.7	2.423
Stddev	3.381	1.289	.436	.22	1.6	1.100
%RSD	341.6	103.1	4.876	1.396	.2850	45.39
#1	-3.048	.2356	8.973	15.90	547.2	3.577
#2	2.912	-2.074	9.352	16.02	550.3	2.303
#3	-2.833	-1.911	8.483	16.33	548.5	1.388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	3.185	336.3	-9.962
Stddev	.115	1.5	.181
%RSD	3.623	.4337	1.821
#1	3.157	334.7	-9.987
#2	3.312	336.9	-9.770
#3	3.087	337.5	-10.13

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2390.1	33559.	4526.1
Stddev	9.0	126.	11.1
%RSD	.37803	.37436	.24454
#1	2399.9	33627.	4538.9
#2	2382.1	33636.	4520.1
#3	2388.4	33414.	4519.4

Sample Name: 460-32163-D-2-A Acquired: 10/12/2011 11:38:18 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 94.78	k 72.92	k .0391	k 159.9	k .0617	^ *****
Stddev	27.69	6.27	.6581	2.4	.0886	-----
%RSD	29.21	8.599	1681.	1.519	143.6	-----

#1	k 63.63	k 66.12	k -.7176	k 157.2	k .0021	^ -----
#2	104.1	74.17	.4779	161.7	.1636	65000.
#3	116.6	78.47	.3571	160.9	.0196	64780.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 2.700	k .7090	k 1.139	k -1.870	k 81020.	k 18770.
Stddev	4.998	.2249	.307	5.586	1735.	4032.
%RSD	185.1	31.73	26.91	298.6	2.141	21.48

#1	k 8.470	k .9671	k .8377	k -4.635	k 79050.	k 14120.
#2	-.1015	.6047	1.130	4.558	81660.	21160.
#3	-.2683	.5551	1.451	-5.534	82340.	21040.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 17440.	94.17	^ *****	k 15.19	k -1.094	k 1.645
Stddev	406.	2.03	-----	1.73	2.491	2.400
%RSD	2.330	2.159	-----	11.43	227.7	145.9

#1	k 16970.	91.84	^ -----	k 17.14	k 1.708	k 4.397
#2	17660.	95.06	33610.	14.59	-3.060	.5540
#3	17700.	95.60	33510.	13.83	-1.930	-.0156

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32163-D-2-A Acquired: 10/12/2011 11:38:18 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -6.965	k .8316	k 10.05	k 17.23	k 542.7	k .7385
Stddev	10.71	1.115	1.14	.26	.5	.1639
%RSD	153.8	134.1	11.36	1.522	.0976	22.20
#1	k -18.98	k -.4292	k 11.25	k 17.04	k 542.2	k .8480
#2	-3.487	1.237	9.896	17.53	543.3	.5501
#3	1.574	1.687	8.986	17.13	542.7	.8175

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	k 2.891	^ *****	k -5.671
Stddev	.236	----	8.809
%RSD	8.158	----	155.3
#1	k 2.760	^ ----	k 4.489
#2	3.163	334.8	-10.32
#3	2.748	332.5	-11.18

Check ? Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2398.0	33792.	4806.9
Stddev	2.2	350.	525.4
%RSD	.09284	1.0345	10.930
#1	2400.2	34186.	5412.8
#2	2395.8	33520.	4478.3
#3	2398.0	33669.	4529.5

Sample Name: 460-32164-F-1-A Acquired: 10/12/2011 11:41:52 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.44	-.8327	.0639	57.73	-.0163	52460.
Stddev	9.67	2.096	.6632	.19	.0878	143.
%RSD	30.74	251.7	1037.	.3339	539.1	.2715

#1	20.40	1.189	.1689	57.59	-.0592	52300.
#2	38.37	-2.995	.6684	57.95	.0847	52520.
#3	35.56	-.6919	-.6455	57.65	-.0743	52570.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0328	.1409	.5748	1.864	74.55	11630.
Stddev	.0449	.2745	.4011	2.171	17.06	57.
%RSD	136.9	194.9	69.78	116.5	22.89	.4912

#1	-.0785	.0016	.8888	4.284	64.86	11610.
#2	.0114	-.0361	.1230	.0870	64.54	11700.
#3	-.0315	.4571	.7125	1.221	94.25	11590.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14590.	71.73	17090.	3.751	1.955	2.500
Stddev	67.	.34	49.	.578	1.316	.886
%RSD	.4616	.4714	.2866	15.41	67.34	35.46

#1	14510.	71.45	17060.	3.775	1.428	3.151
#2	14640.	72.10	17070.	3.162	3.453	1.490
#3	14610.	71.62	17150.	4.317	.9837	2.859

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32164-F-1-A Acquired: 10/12/2011 11:41:52 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.047	1.247	.7832	12.76	57.19	.8105
Stddev	1.387	1.183	.4230	.08	.88	.4812
%RSD	45.53	94.90	54.01	.6267	1.535	59.37
#1	-4.205	.8312	1.265	12.67	58.09	1.191
#2	-1.509	2.581	.4748	12.82	57.16	.9710
#3	-3.428	.3274	.6094	12.79	56.33	.2695

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.3504	122.4	4.319
Stddev	.2172	.2	.552
%RSD	61.99	.1962	12.78
#1	-.4505	122.2	3.707
#2	-.4995	122.7	4.467
#3	-.1012	122.3	4.781

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2406.9	33730.	4496.3
Stddev	2.6	28.	10.3
%RSD	.10737	.08445	.22798
#1	2409.0	33753.	4496.1
#2	2407.8	33740.	4506.6
#3	2404.0	33698.	4486.1

Sample Name: 460-32164-A-3-A Acquired: 10/12/2011 11:45:30 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	391.0	3.547	-9896	74.66	.0903	54580.
Stddev	20.4	1.674	1.229	.19	.1334	241.
%RSD	5.208	47.18	124.2	.2513	147.7	.4410

#1	372.3	2.536	-.3589	74.47	.2388	54380.
#2	388.2	2.626	-2.406	74.84	.0518	54850.
#3	412.7	5.479	-.2035	74.67	-.0196	54520.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0937	1.179	.8215	.9303	4181.	11890.
Stddev	.0295	.176	.0602	1.280	13.	21.
%RSD	31.49	14.90	7.329	137.6	.3213	.1748

#1	-.0937	1.380	.8592	1.485	4169.	11880.
#2	-.0642	1.057	.7520	1.839	4179.	11910.
#3	-.1232	1.099	.8532	-.5331	4196.	11870.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15120.	149.7	17670.	6.532	1.256	2.260
Stddev	67.	.5	129.	.319	2.008	2.357
%RSD	.4452	.3458	.7317	4.883	159.9	104.3

#1	15070.	149.2	17650.	6.387	2.294	4.982
#2	15190.	150.2	17810.	6.898	2.533	.9180
#3	15090.	149.8	17550.	6.311	-1.059	.8801

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32164-A-3-A Acquired: 10/12/2011 11:45:30 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.308	.5771	3.352	17.86	95.48	.0345
Stddev	2.230	1.995	.414	.21	1.19	.1185
%RSD	170.5	345.6	12.34	1.155	1.248	343.7
#1	-3.057	-5.690	3.144	18.10	96.13	.1066
#2	1.203	-5.800	3.829	17.78	96.21	.0991
#3	-2.070	2.880	3.084	17.71	94.11	-.1023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.1661	125.1	3.606
Stddev	.4540	.5	1.004
%RSD	273.4	.4276	27.83
#1	.2384	124.7	4.621
#2	-.6572	125.7	3.582
#3	-.0795	124.9	2.614

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2408.1	33679.	4490.6
Stddev	5.1	124.	20.4
%RSD	.21160	.36941	.45513
#1	2407.8	33821.	4498.0
#2	2403.2	33590.	4467.6
#3	2413.4	33625.	4506.4

Sample Name: 460-32164-D-4-A Acquired: 10/12/2011 11:49:08 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4342.	6.051	-6147	108.9	.4969	54810.
Stddev	9.	2.007	.4398	.3	.1134	280.
%RSD	.2125	33.17	71.55	.2692	22.82	.5117

#1	4348.	7.320	-.2529	109.3	.5369	55110.
#2	4331.	7.096	-1.104	108.7	.5848	54770.
#3	4347.	3.737	-.4871	108.9	.3689	54550.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0491	.8829	.9916	2.932	42090.	11930.
Stddev	.0841	.4001	.2569	1.995	318.	135.
%RSD	171.2	45.32	25.91	68.06	.7545	1.128

#1	.0862	1.337	1.172	4.605	42440.	12080.
#2	-.0471	.7290	1.106	.7231	41830.	11850.
#3	.1084	.5825	.6973	3.468	41990.	11860.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14690.	154.2	17490.	6.335	1.513	2.772
Stddev	87.	1.0	103.	.181	1.155	1.095
%RSD	.5955	.6441	.5882	2.853	76.37	39.52

#1	14790.	155.3	17570.	6.538	2.477	1.746
#2	14680.	153.6	17530.	6.193	1.830	3.926
#3	14620.	153.6	17370.	6.273	.2322	2.643

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32164-D-4-A Acquired: 10/12/2011 11:49:08 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.241	-.1510	4.588	43.49	91.37	-.3436
Stddev	2.324	1.449	.429	.13	1.16	.0737
%RSD	44.35	960.0	9.352	.3017	1.268	21.46
#1	-2.648	-1.250	4.099	43.35	92.03	-.3667
#2	-7.138	1.492	4.764	43.54	92.05	-.2611
#3	-5.937	-.6947	4.901	43.60	90.03	-.4030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.8862	127.4	-2.743
Stddev	.3020	.9	.762
%RSD	34.08	.7269	27.78
#1	.7565	128.5	-2.041
#2	.6707	127.3	-3.553
#3	1.231	126.6	-2.634

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2417.8	33737.	4472.6
Stddev	2.4	159.	21.7
%RSD	.10081	.47227	.48627
#1	2417.4	33579.	4450.6
#2	2415.6	33735.	4472.9
#3	2420.5	33897.	4494.1

Sample Name: 460-32184-A-7-A Acquired: 10/12/2011 11:52:46 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.436	-2.292	-.8406	-.0342	.0914	42.04
Stddev	3.409	3.641	.5142	.0581	.0222	9.15
%RSD	237.4	158.8	61.17	169.8	24.23	21.78

#1	4.955	1.561	-.4591	.0260	.1125	47.34
#2	1.204	-5.675	-.6374	-.0900	.0935	31.47
#3	-1.851	-2.763	-1.425	-.0387	.0683	47.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0183	.2064	.6983	2.206	26.63	230.2
Stddev	.0997	.1016	.1583	2.931	3.51	7.5
%RSD	544.1	49.21	22.67	132.9	13.17	3.242

#1	.0516	.1406	.7603	5.447	30.21	227.7
#2	.0259	.3234	.5183	1.431	26.47	224.3
#3	-.1325	.1552	.8162	-.2595	23.20	238.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.162	.2034	117.8	.5633	.1169	1.493
Stddev	3.370	.0458	17.0	.1729	1.379	.217
%RSD	106.6	22.53	14.39	30.68	1180.	14.52

#1	5.484	.1538	112.3	.3985	1.336	1.416
#2	4.705	.2122	136.8	.5483	.3945	1.738
#3	-.7041	.2442	104.2	.7432	-1.380	1.325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32184-A-7-A Acquired: 10/12/2011 11:52:46 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3439	-.6228	-.5705	1.061	2.210	.0660
Stddev	2.889	1.323	.7242	.030	.329	.1637
%RSD	840.1	212.4	127.0	2.813	14.86	247.8
#1	2.886	.8979	-.5363	1.068	2.586	.1245
#2	.9444	-1.262	.1361	1.028	1.976	-.1188
#3	-2.799	-1.505	-1.311	1.086	2.069	.1924

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.1710	-.1254	-1.178
Stddev	.7688	.0325	1.892
%RSD	449.5	25.89	160.6
#1	-.5418	-.0981	.9963
#2	.7129	-.1613	-2.083
#3	-.6841	-.1168	-2.447

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2486.8	34894.	4513.2
Stddev	14.0	149.	14.1
%RSD	.56440	.42680	.31174
#1	2473.4	34756.	4522.2
#2	2485.6	34873.	4496.9
#3	2501.4	35052.	4520.3

Sample Name: 460-32171-A-1-A Acquired: 10/12/2011 11:56:29 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	112.3	1.650	25.87	27.60	-.0014	28380.
Stddev	10.4	1.781	.51	.25	.1027	93.
%RSD	9.240	108.0	1.983	.8960	7156.	.3265

#1	107.9	1.604	26.45	27.62	.0307	28300.
#2	124.2	-.1080	25.69	27.83	.0813	28480.
#3	105.0	3.454	25.47	27.34	-.1163	28350.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0222	-.4327	4.373	197.0	1902.	18120.
Stddev	.0121	.1224	.224	3.2	26.	91.
%RSD	54.48	28.28	5.124	1.634	1.375	.5000

#1	.0308	-.5574	4.280	195.1	1908.	18040.
#2	.0274	-.4277	4.211	200.7	1924.	18220.
#3	.0084	-.3129	4.629	195.1	1873.	18110.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6267.	34.07	239300.	6.273	3.132	1.533
Stddev	5.	.14	1510.	.290	1.123	.648
%RSD	.0851	.4202	.6312	4.617	35.85	42.31

#1	6273.	34.23	237800.	6.606	1.836	1.533
#2	6263.	34.02	240800.	6.129	3.777	.8840
#3	6265.	33.96	239100.	6.084	3.783	2.181

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32171-A-1-A Acquired: 10/12/2011 11:56:29 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.940	-.8323	-.1042	275.3	113.8	1.909
Stddev	1.652	.6971	.3216	.9	.5	.168
%RSD	41.92	83.75	308.7	.3435	.4399	8.773
#1	-4.231	-.1450	.2667	276.4	114.2	1.971
#2	-2.163	-.8131	-.3064	274.9	113.2	2.038
#3	-5.427	-1.539	-.2728	274.6	113.9	1.720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1.143	85.27	4.488
Stddev	.438	.28	1.036
%RSD	38.34	.3316	23.08
#1	.6927	85.21	5.046
#2	1.169	85.57	5.124
#3	1.568	85.02	3.293

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2388.0	32621.	4542.4
Stddev	8.6	51.	8.2
%RSD	.36158	.15630	.18118
#1	2380.7	32566.	4544.9
#2	2385.7	32666.	4533.2
#3	2397.5	32633.	4549.1

Sample Name: CCV Acquired: 10/12/2011 12:00:09 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123700.	2478.	1233.	10050.	1002.	127700.
Stddev	406.	8.	3.	36.	4.	560.
%RSD	.3283	.3076	.2771	.3598	.3864	.4385

#1	123200.	2486.	1235.	10090.	1001.	127500.
#2	124000.	2476.	1235.	10040.	1007.	128400.
#3	123700.	2471.	1229.	10020.	999.4	127400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1255.	2481.	5078.	12550.	105300.	50620.
Stddev	6.	9.	10.	41.	412.	194.
%RSD	.4534	.3755	.1940	.3234	.3912	.3832

#1	1261.	2492.	5081.	12550.	105200.	50600.
#2	1253.	2477.	5085.	12590.	105700.	50830.
#3	1250.	2476.	5066.	12510.	104900.	50440.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125600.	5210.	128200.	2525.	7489.	1006.
Stddev	182.	14.	790.	9.	27.	5.
%RSD	.1446	.2752	.6160	.3659	.3620	.5077

#1	125700.	5217.	128200.	2535.	7519.	1012.
#2	125800.	5219.	129000.	2522.	7481.	1004.
#3	125400.	5193.	127400.	2517.	7466.	1003.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 12:00:09 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2437.	2557.	2602.	2464.	986.9	2498.
Stddev	15.	14.	10.	9.	3.2	9.
%RSD	.6027	.5347	.3903	.3610	.3225	.3524
#1	2454.	2571.	2602.	2475.	990.5	2508.
#2	2429.	2557.	2612.	2461.	985.8	2495.
#3	2428.	2544.	2592.	2458.	984.5	2491.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	999.7	5142.	9870.
Stddev	4.9	26.	33.
%RSD	.4936	.5101	.3351
#1	1004.	5136.	9836.
#2	1001.	5170.	9902.
#3	994.4	5119.	9873.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2253.1	31385.	4385.1
Stddev	7.2	71.	26.5
%RSD	.32099	.22610	.60320
#1	2245.8	31376.	4381.2
#2	2253.3	31319.	4360.9
#3	2260.2	31460.	4413.3

Sample Name: CCB Acquired: 10/12/2011 12:03:28 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.251	-.7595	.0110	.4232	-.0023	37.01
Stddev	12.55	1.958	1.139	.1728	.0635	7.80
%RSD	295.2	257.9	10340.	40.83	2747.	21.09
#1	12.98	.4086	.7165	.6125	.0518	29.47
#2	-10.13	.3334	.6199	.3831	.0135	36.51
#3	9.898	-3.020	-1.303	.2740	-.0722	45.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0115	.2016	1.261	.9723	1.866	244.1
Stddev	.0538	.0683	.431	5.723	2.671	49.1
%RSD	466.8	33.90	34.20	588.6	143.1	20.12
#1	.0399	.1287	1.167	4.663	4.948	282.5
#2	-.0505	.2117	.8854	3.875	.4222	261.1
#3	.0451	.2642	1.732	-5.621	.2277	188.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.665	.2567	80.82	.2278	.6105	4.263
Stddev	3.363	.0736	9.26	.1724	.5051	.815
%RSD	38.81	28.68	11.46	75.70	82.74	19.12
#1	6.029	.3080	75.77	.3506	.0519	5.204
#2	12.45	.2897	75.18	.3021	1.035	3.797
#3	7.514	.1723	91.51	.0307	.7446	3.789

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 12:03:28 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.388	.7768	-.0806	2.045	.7458	.8177
Stddev	2.526	1.267	.2615	.274	.8246	.3146
%RSD	182.0	163.1	324.5	13.37	110.6	38.48
#1	-2.614	-.6103	-.3205	2.249	1.666	1.075
#2	1.517	1.068	-.1194	2.151	.4978	.9112
#3	-3.066	1.872	.1981	1.734	.0736	.4669

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.4495	.2547	-.9637
Stddev	.8380	.1656	1.238
%RSD	186.4	65.03	128.4
#1	.2362	.1019	.3863
#2	-.2011	.4307	-2.045
#3	-1.384	.2314	-1.233

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2467.2	34475.	4474.7
Stddev	1.3	56.	18.0
%RSD	.05467	.16371	.40254
#1	2466.8	34540.	4494.7
#2	2468.8	34452.	4469.7
#3	2466.2	34435.	4459.8

Sample Name: 460-32076-D-1-A@10 Acquired: 10/12/2011 12:07:12 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.21	-2.142	-1.544	6.908	.0583	8644.
Stddev	5.33	1.864	.516	.084	.0814	44.
%RSD	30.99	87.03	33.41	1.220	139.7	.5104

#1	11.13	.0050	-1.213	6.904	.0772	8609.
#2	19.37	-3.350	-2.138	6.825	-.0309	8694.
#3	21.12	-3.080	-1.280	6.994	.1286	8631.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0878	39.18	.5908	1.519	767.0	699.6
Stddev	.1352	.47	.2097	1.609	4.7	11.6
%RSD	154.0	1.191	35.49	105.9	.6066	1.660

#1	.1829	39.33	.4874	.1432	769.3	695.4
#2	-.0669	39.55	.4528	1.126	770.1	690.7
#3	.1474	38.65	.8321	3.288	761.7	712.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7127.	3462.	15120.	11.33	.1320	4.379
Stddev	16.	8.	47.	.32	.7184	.942
%RSD	.2275	.2173	.3119	2.820	544.3	21.52

#1	7120.	3469.	15090.	10.97	-.2077	3.299
#2	7145.	3463.	15170.	11.53	.9573	5.035
#3	7115.	3454.	15090.	11.50	-.3536	4.802

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32076-D-1-A@10 Acquired: 10/12/2011 12:07:12 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.752	5.147	-4.732	12.41	.9535	.2271
Stddev	1.240	1.918	.5984	.07	.3935	.1660
%RSD	45.04	37.27	126.5	.5748	41.27	73.09
#1	-2.488	3.017	-1.132	12.33	.7938	.1667
#2	-1.666	6.738	.0366	12.45	.6649	.4149
#3	-4.103	5.684	-.3241	12.46	1.402	.0998

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.0147	38.55	-1.986
Stddev	.1342	.18	.980
%RSD	914.0	.4729	49.36
#1	.0085	38.44	-2.168
#2	.1519	38.76	-2.863
#3	-.1163	38.46	-.9277

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2462.6	34063.	4513.9
Stddev	4.9	92.	4.7
%RSD	.19842	.27070	.10515
#1	2457.0	33970.	4518.7
#2	2464.5	34066.	4509.3
#3	2466.2	34154.	4513.6

Sample Name: 460-32101-D-2-A Acquired: 10/12/2011 12:10:53 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.273	-.4285	-.7053	-.2350	.0084	16.93
Stddev	12.72	1.638	.4807	.0404	.0699	11.42
%RSD	388.8	382.2	68.16	17.21	831.7	67.47

#1	12.74	-.5818	-1.228	-.2805	.0808	3.824
#2	-11.19	1.280	-.2823	-.2215	-.0586	22.21
#3	8.265	-1.984	-.6055	-.2031	.0030	24.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1026	-.0723	.5040	-.2008	18.02	226.7
Stddev	.0615	.1834	.2050	3.928	3.19	21.6
%RSD	59.99	253.5	40.67	1956.	17.69	9.519

#1	-.1407	-.0216	.6362	4.108	18.32	201.9
#2	-.1353	.0803	.2679	-3.582	21.04	241.3
#3	-.0316	-.2758	.6079	-1.128	14.69	236.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.387	.1377	40.09	-.1439	-.8831	1.236
Stddev	1.737	.1121	9.08	.1496	2.169	1.534
%RSD	125.3	81.42	22.64	104.0	245.6	124.1

#1	.6097	.0931	42.99	-.2407	-2.888	1.486
#2	-2.219	.2653	29.91	.0284	-1.180	-4.083
#3	-2.551	.0548	47.36	-.2195	1.419	2.629

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32101-D-2-A Acquired: 10/12/2011 12:10:53 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.156	1.463	.4074	.3022	1.832	.0818
Stddev	.469	2.072	.2210	.1501	.378	.1476
%RSD	21.78	141.7	54.26	49.66	20.61	180.5
#1	-2.219	3.502	.2491	.3628	2.074	-.0710
#2	-2.590	1.526	.6599	.4125	1.397	.2237
#3	-1.658	-.6406	.3131	.1313	2.024	.0926

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.2676	-.1338	-1.404
Stddev	.2556	.1708	1.114
%RSD	95.51	127.7	79.32
#1	-.3310	-.2837	-.6646
#2	-.4856	.0522	-2.684
#3	.0137	-.1699	-.8623

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2500.4	34913.	4536.6
Stddev	11.4	231.	18.1
%RSD	.45504	.66022	.39809
#1	2513.5	35167.	4555.4
#2	2492.9	34716.	4535.0
#3	2494.8	34858.	4519.3

Sample Name: 460-32101-D-3-A Acquired: 10/12/2011 12:14:35 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.309	-3863	-1.1526	-1.1408	.0178	21.27
Stddev	7.087	.4941	.2676	.0254	.1426	10.67
%RSD	5414.	127.9	175.4	18.02	798.9	50.19

#1	7.273	-.5623	-.1699	-.1388	-.1418	12.64
#2	-6.852	.1718	-.4111	-.1165	.1326	17.96
#3	-.8143	-.7683	.1233	-.1671	.0628	33.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0119	.0697	.7372	2.754	-3.606	234.5
Stddev	.0501	.0455	.5984	3.655	10.03	21.5
%RSD	420.3	65.30	81.17	132.7	278.1	9.166

#1	.0246	.0978	1.414	5.939	-9.874	244.4
#2	-.0690	.0172	.2783	3.561	7.961	249.4
#3	.0086	.0942	.5194	-1.236	-8.904	209.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.338	-.0468	51.74	.5029	-.4659	2.313
Stddev	3.881	.0777	10.60	.2924	.9098	.500
%RSD	290.0	166.1	20.48	58.14	195.3	21.61

#1	2.741	-.1048	42.05	.8344	-.9892	2.875
#2	4.323	.0415	63.06	.3930	-.9932	2.146
#3	-3.049	-.0770	50.10	.2815	.5846	1.918

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32101-D-3-A Acquired: 10/12/2011 12:14:35 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8911	-.2653	-.2051	-.1354	1.866	.2257
Stddev	2.555	.2723	.5088	.1606	.572	.3414
%RSD	286.7	102.6	248.1	118.6	30.64	151.3
#1	1.344	-.2103	-.2357	-.0923	2.069	-.0966
#2	-3.676	-.5610	.3184	-.3131	2.308	.1902
#3	-.3423	-.0248	-.6978	-.0007	1.220	.5834

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.1541	-.0855	-.3558
Stddev	.4852	.0529	.8590
%RSD	314.8	61.84	241.4
#1	.4043	-.1249	-1.220
#2	-.4726	-.1061	.4978
#3	-.3940	-.0254	-.3451

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2502.6	34858.	4535.1
Stddev	4.8	162.	12.7
%RSD	.19369	.46589	.27979
#1	2507.9	34977.	4549.7
#2	2501.5	34673.	4526.6
#3	2498.4	34924.	4529.2

Sample Name: 460-32101-D-6-A Acquired: 10/12/2011 12:18:18 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.34	-1.793	-.7231	71.65	.2058	32550.
Stddev	8.12	3.458	.7077	.16	.0460	259.
%RSD	49.65	192.8	97.87	.2242	22.35	.7950
#1	25.67	-2.239	-.5967	71.54	.2351	32400.
#2	10.92	-5.007	-.0871	71.83	.1528	32850.
#3	12.43	1.865	-1.486	71.57	.2295	32400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0258	.0188	2.028	.4840	10.49	2038.
Stddev	.0712	.2363	.488	5.584	6.19	19.
%RSD	276.3	1257.	24.06	1154.	59.03	.9077
#1	-.0268	-.2530	2.591	-3.644	5.562	2058.
#2	.0459	.1761	1.761	-1.741	17.44	2036.
#3	-.0964	.1332	1.732	6.837	8.462	2021.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8399.	22.53	12410.	3.930	1.151	1.871
Stddev	35.	.16	130.	.402	2.191	1.889
%RSD	.4107	.7112	1.044	10.24	190.3	101.0
#1	8405.	22.53	12340.	3.873	1.728	3.063
#2	8430.	22.68	12560.	4.358	2.996	2.858
#3	8362.	22.36	12330.	3.559	-1.271	-.3071

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32101-D-6-A Acquired: 10/12/2011 12:18:18 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.188	-.4753	.5797	2.214	94.27	.2608
Stddev	2.100	.6231	.1055	.069	.53	.3062
%RSD	50.14	131.1	18.20	3.135	.5636	117.4
#1	-6.036	-.2042	.4895	2.150	93.80	.6040
#2	-1.904	-1.188	.5539	2.288	94.85	.1631
#3	-4.624	-.0336	.6957	2.203	94.16	.0154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.7778	128.9	2.736
Stddev	.7387	1.1	1.014
%RSD	94.97	.8550	37.06
#1	1.616	128.1	2.945
#2	.2221	130.2	3.629
#3	.4952	128.5	1.634

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2456.1	34262.	4534.5
Stddev	.5	203.	29.2
%RSD	.01955	.59139	.64343
#1	2456.7	34231.	4544.6
#2	2455.8	34076.	4501.6
#3	2455.9	34478.	4557.2

Sample Name: 460-32101-D-7-A Acquired: 10/12/2011 12:21:58 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	110.8	1.692	-4636	36.38	-.0221	38290.
Stddev	12.8	.682	.1662	.10	.1328	219.
%RSD	11.52	40.32	35.86	.2878	601.2	.5718

#1	99.01	1.478	-.2806	36.50	-.0432	38070.
#2	109.1	1.143	-.6053	36.30	.1200	38510.
#3	124.4	2.456	-.5050	36.35	-.1431	38290.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0657	.1155	1.366	.1524	93.50	2935.
Stddev	.0607	.2753	.116	3.806	11.50	13.
%RSD	92.35	238.4	8.457	2497.	12.30	.4569

#1	.0283	.3428	1.412	-3.764	82.21	2927.
#2	.0331	.1942	1.234	.3847	93.09	2950.
#3	.1358	-.1906	1.451	3.837	105.2	2927.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5408.	9.345	8920.	1.010	1.498	3.883
Stddev	20.	.066	31.	.117	.856	.537
%RSD	.3612	.7038	.3445	11.54	57.15	13.83

#1	5414.	9.331	8886.	1.079	1.190	4.327
#2	5424.	9.417	8947.	.8751	.8379	3.286
#3	5386.	9.288	8925.	1.074	2.465	4.038

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32101-D-7-A Acquired: 10/12/2011 12:21:58 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9880	1.175	.4185	5.123	58.73	.7418
Stddev	1.720	.854	.6229	.109	.82	.2825
%RSD	174.1	72.70	148.9	2.128	1.390	38.08
#1	-2.974	1.106	1.137	5.243	57.83	.4471
#2	.0279	.3569	.0405	5.095	59.42	.7680
#3	-.0175	2.061	.0775	5.030	58.93	1.010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.3591	92.46	7.786
Stddev	.5856	.48	.645
%RSD	163.1	.5205	8.289
#1	.0173	91.90	8.252
#2	-1.034	92.78	7.049
#3	-.0607	92.69	8.057

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2445.4	33919.	4527.7
Stddev	1.6	95.	32.4
%RSD	.06603	.27937	.71496
#1	2445.2	33903.	4559.3
#2	2447.1	33833.	4494.6
#3	2443.9	34020.	4529.2

Sample Name: 460-32101-D-8-A Acquired: 10/12/2011 12:25:38 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.47	1.808	-5159	68.67	.0660	31180.
Stddev	20.87	.811	.7046	.28	.0491	50.
%RSD	154.9	44.88	136.6	.4111	74.41	.1589

#1	30.36	1.656	-1.135	68.64	.1061	31150.
#2	19.91	1.083	-.6641	68.96	.0112	31230.
#3	-9.862	2.685	.2510	68.40	.0809	31150.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0298	.0249	2.326	2.522	12.87	1930.
Stddev	.1000	.2439	.597	2.905	5.62	75.
%RSD	335.5	981.2	25.67	115.2	43.69	3.901

#1	.1452	-.0977	1.691	5.725	19.33	1988.
#2	-.0309	.3058	2.411	1.783	10.13	1845.
#3	-.0249	-.1335	2.875	.0577	9.139	1957.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8028.	21.98	12050.	3.997	2.575	2.459
Stddev	22.	.10	17.	.162	.077	1.351
%RSD	.2776	.4709	.1404	4.051	3.007	54.95

#1	8003.	22.04	12040.	3.973	2.520	4.008
#2	8045.	21.86	12040.	4.170	2.664	1.522
#3	8036.	22.04	12070.	3.849	2.543	1.847

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32101-D-8-A Acquired: 10/12/2011 12:25:38 Type: Unk
 Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5101	-.0453	.4248	.6035	91.21	.0240
Stddev	2.493	.7583	.3710	.1607	.19	.1021
%RSD	488.7	1674.	87.33	26.63	.2121	426.0
#1	2.354	.8082	.7490	.7326	91.43	.0334
#2	-2.190	-.3028	.5052	.4235	91.17	.1210
#3	-1.694	-.6413	.0202	.6543	91.05	-.0825

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.1514	123.7	2.000
Stddev	.3685	.2	.692
%RSD	243.4	.1866	34.60
#1	-.5526	123.8	1.202
#2	-.0735	123.8	2.440
#3	.1719	123.4	2.357

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2457.6	33925.	4527.8
Stddev	5.6	60.	30.8
%RSD	.22866	.17783	.68049
#1	2454.9	33942.	4502.6
#2	2453.7	33976.	4518.8
#3	2464.0	33858.	4562.2

Sample Name: 460-32204-A-2-A Acquired: 10/12/2011 12:29:16 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	137.9	-3.192	-8348	431.3	.0535	F 577600.
Stddev	9.0	1.535	.1989	1.3	.1401	2215.
%RSD	6.534	48.10	23.82	.3056	261.8	.3835
#1	139.4	-1.462	-.6492	432.6	-.0358	577200.
#2	146.0	-3.724	-.8105	431.5	-.0186	575700.
#3	128.2	-4.391	-1.045	430.0	.2150	580000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0687	-.9754	24.70	2.649	203.8	27550.
Stddev	.0509	.3241	.32	4.528	7.9	101.
%RSD	74.06	33.23	1.288	171.0	3.895	.3652
#1	-.0572	-1.344	25.06	4.446	205.1	27470.
#2	-.0246	-.7359	24.45	-2.502	195.3	27520.
#3	-.1243	-.8460	24.60	6.003	211.0	27670.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24880.	9.685	F 536900.	21.99	4.595	5.917
Stddev	71.	.024	3473.	.76	2.009	1.703
%RSD	.2839	.2453	.6467	3.477	43.71	28.79
#1	24880.	9.687	540100.	22.12	2.302	4.170
#2	24950.	9.708	537500.	21.17	6.043	6.007
#3	24810.	9.661	533200.	22.69	5.440	7.573
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-32204-A-2-A Acquired: 10/12/2011 12:29:16 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.960	-1.095	.4371	2.556	138.5	-.2285
Stddev	5.170	1.337	.1916	.051	.6	.3833
%RSD	174.7	122.1	43.84	2.010	.4015	167.8
#1	-2.462	.4183	.2440	2.501	139.0	.1908
#2	3.507	-1.585	.6272	2.565	138.6	-.3153
#3	7.835	-2.117	.4400	2.602	137.9	-.5609

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.9756	3250.	36.86
Stddev	.4845	7.	.44
%RSD	49.66	.2107	1.184
#1	-1.188	3250.	36.99
#2	-1.317	3244.	36.37
#3	-.4211	3257.	37.21

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2186.7	29874.	4370.9
Stddev	4.4	129.	6.0
%RSD	.20211	.43025	.13671
#1	2181.7	29921.	4364.1
#2	2188.3	29729.	4372.8
#3	2190.1	29973.	4375.6

Sample Name: 460-32204-A-4-A Acquired: 10/12/2011 12:33:05 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.475	-1.107	-.8966	-.0723	-.0861	43.19
Stddev	24.20	.520	1.069	.1008	.0178	6.84
%RSD	323.7	46.97	119.2	139.4	20.63	15.82

#1	26.60	-1.369	-.8665	-.0379	-.0789	49.02
#2	-19.73	-.5081	-1.980	.0068	-.1063	44.89
#3	15.56	-1.444	.1570	-.1858	-.0730	35.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1225	.1955	.4228	-.3849	-9.070	275.3
Stddev	.0593	.1989	.4263	6.023	13.45	48.5
%RSD	48.41	101.7	100.8	1565.	148.3	17.62

#1	-.1348	.1557	-.0150	5.084	5.679	219.8
#2	-.0580	.4113	.4467	-6.839	-12.22	309.9
#3	-.1747	.0196	.8366	.6002	-20.67	296.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.696	.0387	170.2	.1075	.6546	.9236
Stddev	1.958	.0263	46.1	.2527	1.770	.1553
%RSD	72.64	68.00	27.09	235.1	270.4	16.82

#1	.9764	.0526	223.4	.3688	2.582	.8573
#2	2.284	.0084	145.8	.0892	-.8985	.8123
#3	4.827	.0552	141.5	-.1356	.2805	1.101

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32204-A-4-A Acquired: 10/12/2011 12:33:05 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.343	.6225	-.6126	-.0715	3.146	-.0561
Stddev	2.294	1.586	.4995	.0860	.809	.5612
%RSD	170.8	254.8	81.54	120.3	25.72	1000.
#1	-1.763	-.7267	-.0411	-.1612	3.654	-.2900
#2	1.132	.2244	-.9657	.0102	3.572	-.4625
#3	-3.398	2.370	-.8309	-.0635	2.213	.5842

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.3114	.0971	.1084
Stddev	.9035	.0480	.3756
%RSD	290.2	49.42	346.6
#1	-.1747	.0564	-.2727
#2	-1.275	.1501	.1194
#3	.5161	.0849	.4783

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2518.4	34975.	4566.7
Stddev	8.6	178.	30.6
%RSD	.34314	.50752	.67103
#1	2527.3	34783.	4563.9
#2	2517.8	35010.	4537.6
#3	2510.1	35133.	4598.7

Sample Name: 460-32204-A-5-A Acquired: 10/12/2011 12:36:48 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.10	-1.302	.3976	47.65	.0702	88290.
Stddev	22.63	2.351	.6882	.13	.0747	708.
%RSD	57.88	180.5	173.1	.2761	106.5	.8019

#1	13.18	.5540	-.2388	47.59	.0868	87480.
#2	54.93	-3.947	1.128	47.80	-.0115	88570.
#3	49.20	-.5148	.3036	47.55	.1352	88810.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0134	-.0227	1.426	2.904	7.656	7381.
Stddev	.0669	.2317	.528	3.169	5.450	52.
%RSD	498.7	1022.	37.05	109.1	71.19	.7040

#1	-.0638	-.0252	1.500	6.516	13.09	7325.
#2	.0492	.2103	1.914	1.605	2.191	7393.
#3	.0548	-.2531	.8649	.5903	7.685	7427.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11200.	19.18	101800.	1.731	1.266	2.422
Stddev	84.	.20	922.	.587	1.053	1.400
%RSD	.7495	1.020	.9059	33.89	83.20	57.79

#1	11120.	18.96	100800.	1.075	.8789	1.779
#2	11200.	19.30	102300.	2.205	2.458	4.027
#3	11280.	19.29	102400.	1.914	.4610	1.459

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32204-A-5-A Acquired: 10/12/2011 12:36:48 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.484	1.971	-.0370	5.679	246.6	.0104
Stddev	.069	.271	.3980	.087	1.5	.0976
%RSD	2.772	13.75	1075.	1.541	.6217	941.0
#1	-2.543	2.174	.1151	5.681	244.9	-.0844
#2	-2.408	2.077	.2625	5.766	247.8	.1105
#3	-2.501	1.664	-.4887	5.591	247.0	.0050

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.0574	330.3	7.838
Stddev	.7773	2.5	2.181
%RSD	1355.	.7615	27.83
#1	.6876	327.5	9.692
#2	-.8635	331.4	5.435
#3	.0038	332.1	8.388

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2376.2	32664.	4497.7
Stddev	12.0	365.	28.2
%RSD	.50441	1.1169	.62689
#1	2384.7	33085.	4530.2
#2	2362.5	32436.	4483.8
#3	2381.3	32471.	4479.2

Sample Name: 460-32204-A-7-A Acquired: 10/12/2011 12:40:27 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	108.4	-1.821	-.2247	71.98	-.0200	128300.
Stddev	4.5	2.182	.5644	.13	.0104	489.
%RSD	4.120	1198.	251.2	.1819	52.20	.3814

#1	110.5	1.848	.2682	72.13	-.0320	128800.
#2	111.5	.0947	-.1020	71.93	-.0136	127900.
#3	103.3	-2.489	-.8403	71.89	-.0143	128000.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0607	-.4651	2.301	2.638	249.8	5607.
Stddev	.1117	.1736	.466	3.948	6.4	58.
%RSD	184.0	37.34	20.26	149.7	2.581	1.041

#1	.0484	-.2855	2.264	-.6916	248.5	5542.
#2	-.0556	-.6321	2.785	6.999	256.8	5623.
#3	-.1749	-.4776	1.854	1.606	244.0	5656.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33780.	13.21	247500.	1.948	1.524	3.845
Stddev	63.	.07	1141.	.310	.267	.564
%RSD	.1871	.4928	.4611	15.90	17.49	14.66

#1	33850.	13.20	248600.	2.275	1.785	4.492
#2	33740.	13.16	246300.	1.912	1.252	3.579
#3	33750.	13.28	247500.	1.658	1.536	3.463

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32204-A-7-A Acquired: 10/12/2011 12:40:27 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.149	1.884	.2539	5.532	253.5	.2804
Stddev	2.791	1.639	.5158	.069	1.1	.1636
%RSD	88.64	86.98	203.2	1.240	.4400	58.36
#1	-2.391	1.939	.8466	5.537	254.5	.4290
#2	-3.404	.2183	.0075	5.461	252.3	.3072
#3	-5.804	3.494	-.0926	5.598	253.8	.1050

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-1.337	727.2	14.39
Stddev	.874	3.0	1.67
%RSD	65.35	.4139	11.63
#1	-2.054	730.7	13.37
#2	-.3639	725.8	13.48
#3	-1.594	725.2	16.32

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2336.0	31873.	4450.5
Stddev	5.5	168.	13.4
%RSD	.23673	.52811	.30150
#1	2332.4	31797.	4437.4
#2	2342.3	31756.	4464.2
#3	2333.2	32066.	4449.8

Sample Name: CCV Acquired: 10/12/2011 12:44:08 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122200.	2468.	1219.	9976.	996.5	127100.
Stddev	959.	8.	7.	9.	6.6	971.
%RSD	.7848	.3360	.5967	.0892	.6576	.7640

#1	121200.	2470.	1212.	9969.	990.4	126000.
#2	123100.	2475.	1227.	9986.	1003.	127900.
#3	122200.	2459.	1218.	9973.	995.6	127300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1247.	2462.	5042.	12460.	106000.	50560.
Stddev	1.	2.	22.	101.	393.	396.
%RSD	.1174	.0866	.4363	.8070	.3704	.7829

#1	1247.	2462.	5021.	12350.	105600.	50150.
#2	1248.	2464.	5065.	12550.	106400.	50940.
#3	1245.	2460.	5040.	12470.	106100.	50580.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125000.	5204.	128200.	2506.	7434.	1001.
Stddev	475.	23.	951.	3.	14.	4.
%RSD	.3801	.4409	.7420	.1281	.1820	.3995

#1	124600.	5182.	127100.	2506.	7429.	1004.
#2	125500.	5227.	129000.	2509.	7449.	1003.
#3	124900.	5203.	128400.	2502.	7424.	996.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 12:44:08 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2425.	2552.	2620.	2446.	980.4	2481.
Stddev	9.	3.	12.	2.	2.0	3.
%RSD	.3573	.1065	.4415	.0947	.2039	.1361

#1	2435.	2549.	2608.	2447.	980.5	2478.
#2	2420.	2554.	2631.	2447.	982.3	2485.
#3	2419.	2551.	2620.	2443.	978.3	2480.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	993.2	5122.	9768.
Stddev	4.4	37.	67.
%RSD	.4466	.7182	.6907

#1	988.9	5084.	9706.
#2	997.8	5157.	9840.
#3	992.9	5124.	9759.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2270.3	31388.	4396.7
Stddev	5.0	52.	23.3
%RSD	.21904	.16611	.53095

#1	2271.5	31435.	4423.1
#2	2264.8	31332.	4378.7
#3	2274.5	31398.	4388.4

Sample Name: CCB Acquired: 10/12/2011 12:47:27 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.957	.6194	-.7982	.2750	-.0135	39.91
Stddev	10.51	1.979	.9047	.1151	.0470	11.70
%RSD	117.3	319.4	113.3	41.87	347.8	29.33

#1	-2.082	-.4537	-.1866	.3997	-.0269	46.26
#2	10.11	2.903	-.3705	.2528	-.0524	26.40
#3	18.84	-.5907	-1.837	.1726	.0387	47.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0293	.3003	.7125	4.509	5.357	213.2
Stddev	.0561	.0923	.2630	3.481	2.147	58.8
%RSD	191.4	30.75	36.91	77.22	40.08	27.60

#1	-.0847	.3527	.8918	2.567	7.644	157.8
#2	-.0307	.1936	.4106	2.431	3.385	206.9
#3	.0275	.3544	.8351	8.528	5.042	275.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.558	.1330	83.72	.1710	.5171	1.985
Stddev	1.794	.0733	18.21	.1118	2.138	2.231
%RSD	23.74	55.10	21.75	65.39	413.4	112.4

#1	8.259	.2125	103.9	.0490	.4500	3.432
#2	5.519	.1183	78.90	.2685	-1.586	3.108
#3	8.895	.0682	68.40	.1954	2.687	-.5849

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 12:47:27 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.677	.1043	.0760	2.186	.4622	.8335
Stddev	4.089	1.540	.3173	.245	.1359	.5211
%RSD	243.8	1477.	417.7	11.21	29.40	62.52
#1	-6.338	-1.668	.4253	2.459	.6126	1.366
#2	.0020	1.115	-.1943	2.116	.4259	.8104
#3	1.305	.8660	-.0031	1.984	.3481	.3244

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.3997	.0108	-.0425
Stddev	.5530	.0899	.3973
%RSD	138.4	830.1	933.9
#1	.9202	-.0927	-.1431
#2	-.1808	.0562	.3954
#3	.4596	.0690	-.3800

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2479.3	34370.	4449.3
Stddev	10.6	59.	21.4
%RSD	.42837	.17108	.48006
#1	2467.4	34437.	4448.8
#2	2487.9	34349.	4428.2
#3	2482.7	34325.	4470.9

Sample Name: 460-32204-A-9-A Acquired: 10/12/2011 12:51:12 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	113.4	-.8634	-.4636	301.0	-.0227	F 356000.
Stddev	5.8	1.708	.5442	.9	.1123	1503.
%RSD	5.100	197.8	117.4	.2935	494.9	.4222
#1	106.8	.7666	-.4413	302.0	-.0736	354300.
#2	117.8	-.7174	.0692	300.6	-.1006	356700.
#3	115.5	-2.639	-1.019	300.4	.1061	357100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0949	-.5431	3.091	7.285	645.5	30410.
Stddev	.0504	.2658	.814	2.998	13.8	112.
%RSD	53.11	48.95	26.35	41.15	2.136	.3688
#1	-.0413	-.2364	2.166	10.25	660.8	30290.
#2	-.1413	-.7076	3.700	7.346	641.5	30450.
#3	-.1020	-.6854	3.407	4.258	634.1	30500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17190.	763.8	192000.	16.59	5.317	5.569
Stddev	25.	1.3	558.	.36	.825	1.911
%RSD	.1440	.1725	.2904	2.179	15.52	34.31
#1	17170.	764.3	191600.	17.00	6.096	7.704
#2	17190.	762.4	191900.	16.46	4.452	4.019
#3	17220.	764.9	192700.	16.31	5.401	4.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32204-A-9-A Acquired: 10/12/2011 12:51:12 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.567	.0104	-.6434	15.18	142.9	.4778
Stddev	1.780	.1984	.2989	.17	.5	.2411
%RSD	113.6	1904.	46.46	1.094	.3618	50.46
#1	3.199	.2008	-.3080	15.23	143.0	.5329
#2	1.832	-.1951	-.7402	15.32	142.3	.6866
#3	-.3304	.0255	-.8819	15.00	143.3	.2139

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.1073	1834.	25.55
Stddev	.5950	7.	1.06
%RSD	554.6	.3939	4.135
#1	.6424	1827.	26.75
#2	.2130	1835.	24.75
#3	-.5335	1841.	25.16

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2298.1	31454.	4445.5
Stddev	5.3	23.	19.2
%RSD	.23019	.07190	.43132
#1	2294.9	31445.	4466.0
#2	2295.1	31480.	4442.5
#3	2304.2	31437.	4428.0

Sample Name: MB 460-89201/1-A Acquired: 10/12/2011 12:54:51 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.582	-.5913	-.1388	-.0307	-.0496	28.21
Stddev	8.907	2.496	.5285	.0719	.0612	1.24
%RSD	562.9	422.2	380.8	234.3	123.2	4.410
#1	-9.293	-3.278	.3160	.0171	.0156	29.62
#2	8.168	-.1526	-.0137	.0042	-.1056	27.74
#3	-3.622	1.657	-.7186	-.1134	-.0589	27.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0335	.1463	.1868	-1.099	.5169	226.1
Stddev	.0598	.2092	.3918	2.718	6.415	47.2
%RSD	178.6	143.0	209.7	247.2	1241.	20.89
#1	-.0337	.1269	.6113	-2.117	-.1759	251.9
#2	-.0933	-.0526	.1099	-3.162	7.250	171.6
#3	.0264	.3645	-.1609	1.980	-5.524	254.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0430	.0072	104.1	.1307	.2684	1.427
Stddev	3.677	.0242	16.2	.0606	1.072	1.737
%RSD	8543.	335.2	15.57	46.39	399.3	121.7
#1	4.283	.0299	114.3	.1111	-.9043	3.415
#2	-2.270	.0100	112.5	.1988	1.196	.6634
#3	-1.884	-.0183	85.38	.0823	.5130	.2028

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-89201/1-A Acquired: 10/12/2011 12:54:51 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1800	.4898	-.3218	-.1071	.0735	.2106
Stddev	2.473	.6741	.1605	.2028	.3829	.0849
%RSD	1374.	137.6	49.87	189.3	521.3	40.29
#1	.2923	.3245	-.1525	.1263	-.2285	.1575
#2	2.022	1.231	-.4717	-.2072	-.0552	.1659
#3	-2.855	-.0862	-.3413	-.2405	.5042	.3085

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.3510	.0228	-1.078
Stddev	.5300	.1936	.360
%RSD	151.0	848.9	33.38
#1	-.1543	-.0515	-1.493
#2	.0526	-.1226	-.8848
#3	-.9512	.2425	-.8558

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2482.6	34362.	4496.0
Stddev	1.8	47.	25.6
%RSD	.07260	.13552	.56926
#1	2481.8	34405.	4523.7
#2	2481.4	34367.	4491.0
#3	2484.7	34313.	4473.2

Sample Name: LCS 460-89201/2-A Acquired: 10/12/2011 12:58:34 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1931.	1883.	47.07	1978.	48.93	20450.
Stddev	9.	12.	.23	5.	.23	54.
%RSD	.4559	.6458	.4922	.2448	.4691	.2654

#1	1923.	1893.	46.91	1982.	48.74	20420.
#2	1941.	1887.	46.96	1980.	49.19	20510.
#3	1930.	1870.	47.33	1973.	48.88	20410.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.82	497.9	201.0	251.1	1078.	19730.
Stddev	.13	2.0	.1	1.3	20.	68.
%RSD	.2581	.4078	.0577	.4992	1.829	.3439

#1	49.96	498.8	201.1	251.9	1062.	19740.
#2	49.79	499.4	200.9	251.8	1100.	19790.
#3	49.71	495.6	200.9	249.7	1072.	19650.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19490.	526.2	20190.	509.4	508.2	485.1
Stddev	56.	3.4	48.	1.7	2.7	2.6
%RSD	.2868	.6490	.2376	.3302	.5297	.5357

#1	19450.	522.5	20230.	510.6	510.0	483.5
#2	19550.	529.2	20210.	510.1	509.4	488.1
#3	19470.	526.7	20140.	507.5	505.1	483.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: LCS 460-89201/2-A Acquired: 10/12/2011 12:58:34 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1855.	2152.	510.6	486.0	491.9	488.8
Stddev	6.	7.	2.8	2.2	1.7	1.3
%RSD	.3440	.3451	.5553	.4467	.3445	.2590
#1	1850.	2157.	507.3	488.1	493.5	489.1
#2	1863.	2155.	512.5	486.2	492.1	489.9
#3	1853.	2143.	512.0	483.8	490.1	487.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	493.6	489.0	486.5
Stddev	1.8	.9	.7
%RSD	.3735	.1836	.1410
#1	492.8	488.7	485.9
#2	495.7	490.0	487.3
#3	492.2	488.2	486.4

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2437.6	33896.	4529.0
Stddev	5.0	269.	6.7
%RSD	.20523	.79398	.14709
#1	2437.3	34206.	4522.1
#2	2432.7	33738.	4529.7
#3	2442.7	33742.	4535.3

Sample Name: 460-32076-D-1-C DU Acquired: 10/12/2011 13:01:56 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	167.0	-8753	1.386	63.93	.3110	79630.
Stddev	12.9	.5594	.813	.26	.0622	91.
%RSD	7.746	63.91	58.61	.4083	19.99	.1139

#1	179.5	-1.219	2.070	64.23	.2682	79710.
#2	153.6	-1.177	1.601	63.73	.3824	79530.
#3	167.9	-.2298	.4879	63.84	.2825	79650.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9181	354.0	4.519	-9992	7082.	4678.
Stddev	.1134	1.5	.332	2.811	21.	3.
%RSD	12.35	.4372	7.349	281.3	.2913	.0570

#1	.8697	355.3	4.584	2.247	7060.	4676.
#2	1.048	354.3	4.159	-2.661	7084.	4679.
#3	.8369	352.3	4.813	-2.583	7101.	4681.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65810.	F 29490.	140100.	98.81	1.979	8.984
Stddev	50.	120.	230.	.68	.821	2.177
%RSD	.0766	.4081	.1644	.6896	41.50	24.24

#1	65750.	29560.	140300.	99.53	2.756	11.46
#2	65830.	29350.	139900.	98.17	1.120	8.106
#3	65840.	29570.	140100.	98.73	2.061	7.383

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: 460-32076-D-1-C DU Acquired: 10/12/2011 13:01:56 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.547	33.96	-2.798	110.1	6.806	.4789
Stddev	1.502	1.16	.3014	.1	.767	.2634
%RSD	22.95	3.423	107.7	.1107	11.26	55.00
#1	-6.662	34.05	-.5283	109.9	7.531	.6226
#2	-7.988	35.08	.0554	110.1	6.003	.6392
#3	-4.990	32.76	-.3666	110.1	6.884	.1749

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.9810	357.6	-13.66
Stddev	.6796	.8	.96
%RSD	69.27	.2344	7.043
#1	-1.007	357.7	-12.55
#2	-.2886	356.7	-14.24
#3	-1.647	358.4	-14.18

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2468.0	33692.	4664.5
Stddev	6.1	86.	21.1
%RSD	.24749	.25392	.45261
#1	2461.1	33707.	4645.0
#2	2470.7	33770.	4661.6
#3	2472.4	33600.	4686.9

Sample Name: 460-32076-D-1-B Acquired: 10/12/2011 13:05:38 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 95.81	k -1.808	k .9042	k 62.93	k .2856	k 52840.
Stddev	84.82	3.720	.7720	.87	.2773	45330.
%RSD	88.53	205.8	85.38	1.379	97.10	85.80

#1	k -2.108	k -3.421	k .9994	k 61.93	k -.0345	k 492.7
#2	146.5	2.447	.0890	63.35	.4385	78830.
#3	143.1	-4.449	1.624	63.50	.4528	79190.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 1.160	348.7	k 4.886	k -3.488	k 6557.	k 3289.
Stddev	.404	3.8	.184	2.883	841.	2412.
%RSD	34.85	1.082	3.766	82.65	12.83	73.33

#1	k 1.624	344.3	k 5.079	k -2.780	k 5587.	k 504.8
#2	.9695	350.9	4.865	-1.026	7003.	4626.
#3	.8861	350.8	4.713	-6.660	7080.	4735.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	F 25830.	k 92560.	k 97.89	k 2.542	k 9.346
Stddev	-----	6165.	79460.	.35	.432	2.744
%RSD	-----	23.86	85.84	.3526	17.00	29.36

#1	^ -----	18720.	k 813.8	k 97.52	k 3.028	k 6.443
#2	65240.	29430.	138400.	97.94	2.200	9.698
#3	65580.	29360.	138500.	98.20	2.398	11.90

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: 460-32076-D-1-B Acquired: 10/12/2011 13:05:38 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -4.602	k 36.28	k -1.021	k 108.4	k 6.739	k .0844
Stddev	2.739	7.26	.246	.9	.707	.4149
%RSD	59.52	20.00	24.07	.8224	10.49	491.3
#1	k -2.034	k 44.65	k -.7432	k 107.3	k 7.418	k -.3784
#2	-4.288	32.25	-1.112	108.8	6.007	.4231
#3	-7.484	31.93	-1.209	108.9	6.791	.2086

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	k -.1067	k 237.4	k -13.46
Stddev	.6094	203.9	1.46
%RSD	571.0	85.90	10.82
#1	k -.5925	k 1.916	k -11.83
#2	.5770	354.2	-13.92
#3	-.3047	355.9	-14.64

Check ? Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2499.5	35364.	7007.5
Stddev	17.1	2436.	3978.8
%RSD	.68264	6.8894	56.780
#1	2518.3	38175.	11602.
#2	2495.0	34054.	4730.5
#3	2485.1	33863.	4690.1

Sample Name: sd 460-32076-D-1-B Acquired: 10/12/2011 13:09:21 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 3.795	k -.9597	s -.2734	k 8.478	k .2090	k 8496.
Stddev	54.66	1.569	.2255	7.548	.2339	8581.
%RSD	1440.	163.5	82.47	89.03	111.9	101.0

#1	k -59.27	k .2336	s -.5300	k -.2368	k .4710	k -723.4
#2	37.52	-.3762	-.1837	12.75	.0210	9962.
#3	33.14	-2.736	-.1066	12.92	.1352	16250.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .1322	k 48.01	s .7598	k 2.906	s 891.0	k -260.9
Stddev	.1438	41.19	.5341	2.337	776.8	2160.
%RSD	108.8	85.79	70.30	80.44	87.17	828.0

#1	k .0262	k .4523	s .2254	k 5.313	s 1.713	k -2751.
#2	.0744	71.26	.7602	.6453	1235.	859.7
#3	.2959	72.30	1.294	2.759	1437.	1109.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s 8246.	s 3880.	k 15180.	k 13.85	k .9551	k 3.085
Stddev	7195.	3406.	14270.	11.72	1.150	1.853
%RSD	87.25	87.78	94.05	84.60	120.4	60.06

#1	s 8.124	s 4.379	k 11.19	k .3204	k .1328	k 2.266
#2	11440.	5239.	17170.	20.73	2.269	5.207
#3	13290.	6398.	28350.	20.49	.4639	1.783

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-32076-D-1-B Acquired: 10/12/2011 13:09:21 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -2.378	k 5.525	s -1.980	k 14.78	k -.0755	k .2454
Stddev	4.352	2.406	1.461	13.33	1.527	.3192
%RSD	183.0	43.54	73.80	90.16	2023.	130.1

#1	k -4.281	k 2.778	s -.3035	k -.6078	k -1.566	k .4643
#2	2.601	6.545	-2.652	22.47	-.1461	-.1209
#3	-5.454	7.253	-2.984	22.47	1.486	.3927

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	k -.1309	k 38.26	k -4.083
Stddev	.2854	37.38	.932
%RSD	218.1	97.72	22.83

#1	k -.4600	k -1.689	k -4.869
#2	.0181	44.06	-4.327
#3	.0492	72.40	-3.053

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	4278.6	^ *****	3679.3
Stddev	3072.8	-----	2660.7
%RSD	71.817	-----	72.315

#1	7826.8	^ -----	687.32
#2	2518.3	37148.	5779.6
#3	2490.9	34367.	4571.0

Sample Name: 460-32076-D-1-D MS Acquired: 10/12/2011 13:13:07 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1360.	1871.	44.40	1941.	32.87	67160.
Stddev	1120.	14.	4.34	15.	26.58	54160.
%RSD	82.35	.7474	9.783	.7803	80.87	80.64

#1	66.74	1855.	39.44	1924.	2.178	4622.
#2	2001.	1877.	46.29	1952.	48.40	98640.
#3	2013.	1880.	47.49	1948.	48.03	98240.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.11	809.7	188.3	160.0	7551.	16380.
Stddev	.21	6.4	18.1	130.9	767.	12900.
%RSD	.4308	.7933	9.639	81.84	10.16	78.72

#1	47.87	802.4	167.4	8.822	6666.	1492.
#2	48.20	814.5	199.5	233.5	8034.	23830.
#3	48.26	812.2	198.0	237.6	7953.	23830.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79800.	F 27210.	^ *****	569.3	472.9	480.5
Stddev	7814.	4635.	-----	3.4	2.3	4.8
%RSD	9.792	17.04	-----	.5906	.4758	.9994

#1	70780.	21870.	^ -----	565.5	470.5	475.1
#2	84420.	30170.	158100.	570.8	474.9	484.4
#3	84210.	29590.	157400.	571.7	473.2	481.9

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: 460-32076-D-1-D MS Acquired: 10/12/2011 13:13:07 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1817.	1795.	478.7	570.7	478.8	468.6
Stddev	11.	20.	48.4	4.3	3.1	4.2
%RSD	.5832	1.086	10.11	.7455	.6496	.8976
#1	1806.	1813.	422.9	565.8	475.2	463.9
#2	1827.	1799.	508.7	573.1	481.2	472.0
#3	1820.	1774.	504.7	573.3	479.9	470.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	468.6	565.5	309.9
Stddev	6.7	457.2	263.5
%RSD	1.432	80.86	85.03
#1	460.9	37.51	5.642
#2	472.0	830.9	461.6
#3	473.0	828.0	462.6

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2470.1	34482.	6437.5
Stddev	4.3	1741.	3060.5
%RSD	.17599	5.0503	47.542
#1	2474.9	36484.	9971.5
#2	2466.5	33319.	4654.9
#3	2469.0	33642.	4686.1

Sample Name: pds 460-32076-D-1-B Acquired: 10/12/2011 13:16:38 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	kF -3306.	k 1139.	s 29.63	k 1190.	k 27.42	k 24600.
Stddev	8383.	986.	26.41	1031.	17.30	94580.
%RSD	253.6	86.61	89.15	86.62	63.11	384.5

#1	k -12980.	k .108	s -.7130	k -.126	k 9.514	k -82960.
#2	1208.	1692.	42.12	1772.	28.70	61990.
#3	1854.	1723.	47.47	1799.	44.05	94770.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	450000.					
Low Limit	-200.0					

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 29.51	k 508.7	s 115.4	k 407.4	s 4872.	kF -88440.
Stddev	25.54	440.2	100.0	404.6	4226.	184700.
%RSD	86.57	86.53	86.64	99.31	86.74	208.9

#1	k .0123	k .4400	s .5659	k 872.8	s 19.76	k -301700.
#2	44.00	757.3	162.5	140.0	6850.	14260.
#3	44.50	768.2	183.1	209.3	7746.	22130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s 51330.	sF 17940.	k 75230.	k 352.6	k 289.2	k 294.7
Stddev	44640.	15660.	91780.	305.0	250.4	254.2
%RSD	86.96	87.25	122.0	86.51	86.59	86.24

#1	s 33.53	s 11.48	k -25990.	k .4192	k .0657	k 1.251
#2	72650.	24930.	98640.	525.2	429.9	437.9
#3	81310.	28890.	153000.	532.3	437.5	444.9

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: pds 460-32076-D-1-B Acquired: 10/12/2011 13:16:38 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 1113.	k 1082.	s 275.1	k 353.8	k 293.7	k 286.7
Stddev	967.	933.	238.8	307.1	255.4	247.8
%RSD	86.86	86.24	86.83	86.80	86.94	86.41

#1	k -3.320	k 4.669	s .7063	k -.7665	k -1.146	k .6910
#2	1666.	1634.	388.1	527.3	438.6	425.5
#3	1676.	1607.	436.4	534.9	443.7	434.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	k 284.8	k 400.6	k -44.88
Stddev	247.2	445.7	682.3
%RSD	86.82	111.3	1520.

#1	k -.7019	k -89.64	k -827.7
#2	425.5	509.8	270.0
#3	429.5	781.5	423.2

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	4384.5	^ *****	3490.5
Stddev	3283.3	----	3061.3
%RSD	74.885	----	87.705

#1	8175.6	^ ----	7.384
#2	2503.7	36119.	5754.3
#3	2474.0	33896.	4709.9

Sample Name: 460-32163-D-2-A Acquired: 10/12/2011 13:20:12 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	kF -10200.	k 46.36	s -2.275	k 99.46	kF -60.63	kF -53850.
Stddev	17760.	39.47	2.393	86.49	104.9	151600.
%RSD	174.0	85.15	105.2	86.96	173.0	281.5

#1	k -30710.	k 1.043	s -4.991	k -.1893	k -181.7	k -225100.
#2	2.5	64.78	-.4725	143.5	-.043	98.
#3	95.7	73.25	-1.363	155.1	-.132	63410.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit	450000.				2000.	250000.
Low Limit	-200.0				-4.000	-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .2724	k .7471	s -.3865	k 410.1	s 45280.	kF -285200.
Stddev	1.231	.4731	1.881	710.9	41730.	512500.
%RSD	452.1	63.33	486.8	173.4	92.17	179.7

#1	k .0343	k .2813	s -2.538	k 1231.	s -220.8	k -876800.
#2	1.605	1.227	.4302	4.354	54290.	548.
#3	-.8227	.7328	.9486	-5.062	81770.	20720.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s 9515.	s 23.89	kF -10810.	k 9.601	k -.1324	k .6696
Stddev	8900.	90.92	50310.	7.882	1.074	1.093
%RSD	93.54	380.6	465.6	82.10	811.8	163.3

#1	s -202.7	s -79.70	k -65660.	k .4994	k .1136	k 1.812
#2	11480.	60.90	66.1	14.15	.7978	-.3663
#3	17270.	90.47	33180.	14.15	-1.308	.5629

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-32163-D-2-A Acquired: 10/12/2011 13:20:12 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -2.736	k -.6577	s 1.021	k 10.62	k 338.9	k .3784
Stddev	5.247	3.051	12.70	9.88	294.9	.2967
%RSD	191.8	463.9	1244.	93.00	87.03	78.40

#1	k -2.840	k 2.864	s -13.50	k -.7708	k -1.026	k .6888
#2	-7.930	-2.343	6.506	15.84	490.9	.3490
#3	2.562	-2.494	10.06	16.80	526.8	.0976

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	k 1.118	k -10.04	kF -662.7
Stddev	1.621	342.6	1129.
%RSD	144.9	3413.	170.3

#1	k -.7102	k -357.5	k -1966.
#2	1.687	.025	-11.04
#3	2.378	327.4	-10.94

Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			20000.
Low Limit			-50.00

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	4035.4	^ *****	6384.4
Stddev	2660.9	-----	7428.8
%RSD	65.940	-----	116.36

#1	7107.5	^ -----	3.111
#2	2542.8	41676.	14540.
#3	2455.7	33866.	4610.6

Sample Name: MB 460-88751/1-A@2 Acquired: 10/12/2011 13:23:50 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 106.3	k 1.174	s -.5811	k -.0579	kF 2.719	kF -2131.
Stddev	167.8	.610	.4224	.1813	4.586	3735.
%RSD	157.9	51.93	72.70	312.8	168.7	175.3

#1	k 299.4	k .4792	s -.3109	k -.2610	k 8.013	k -6444.
#2	-3.890	1.422	-1.068	.0876	.1480	24.50
#3	23.25	1.620	-.3644	-.0004	-.0052	25.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					2.000	1000.
Low Limit					-2.000	-1000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .0006	k -.0506	s .2677	kF 70.36	s -.5809	kF -9092.
Stddev	.0880	.3229	.1056	118.7	11.56	16160.
%RSD	15790.	637.7	39.43	168.7	1991.	177.7

#1	k .0300	k .3180	s .2005	k 207.4	s -2.551	k -27750.
#2	-.0984	-.1861	.2133	1.783	11.84	277.1
#3	.0700	-.2838	.3894	1.914	-11.03	199.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit				25.00		5000.
Low Limit				-25.00		-5000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s -3.245	s .0703	k -814.4	k .3470	k .6411	k 1.297
Stddev	4.262	.0212	1503.	.1459	.7392	.628
%RSD	131.4	30.09	184.5	42.05	115.3	48.44

#1	s 1.642	s .0870	k -2550.	k .3582	k .1452	k 2.013
#2	-5.183	.0773	70.50	.1957	1.491	.8384
#3	-6.193	.0465	35.92	.4869	.2875	1.039

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-88751/1-A@2 Acquired: 10/12/2011 13:23:50 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -1.727	k 1.993	s -.4624	k -.2614	k -.1924	k .1252
Stddev	2.206	.721	.0863	.4289	.7658	.4953
%RSD	127.7	36.18	18.66	164.1	397.9	395.7
#1	k -4.047	k 2.351	s -.5431	k -.7407	k -1.068	k .6562
#2	.3432	2.464	-.3714	.0861	.1365	.0436
#3	-1.478	1.163	-.4725	-.1296	.3539	-.3242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	k -.4739	k -7.025	k 12.59
Stddev	.6704	12.01	23.83
%RSD	141.5	171.0	189.2
#1	k -.9159	k -20.89	k 40.10
#2	-.8034	-.1670	-1.429
#3	.2974	-.0131	-.8952
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	4086.3	^ *****	3293.0
Stddev	2722.3	----	2805.6
%RSD	66.619	----	85.199
#1	7229.8	^ ----	88.101
#2	2517.7	36596.	5305.1
#3	2511.6	34592.	4485.8

Sample Name: CCV Acquired: 10/12/2011 13:27:34 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121800.	2446.	1210.	9897.	992.8	126300.
Stddev	346.	12.	6.	20.	2.0	363.
%RSD	.2840	.5102	.5136	.2042	.2003	.2869

#1	121700.	2435.	1203.	9880.	990.9	126100.
#2	121500.	2460.	1216.	9920.	992.6	126100.
#3	122200.	2444.	1210.	9893.	994.9	126800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1237.	2438.	5006.	12410.	104900.	50310.
Stddev	3.	6.	24.	27.	466.	123.
%RSD	.2054	.2466	.4822	.2202	.4443	.2436

#1	1234.	2432.	4979.	12380.	104400.	50170.
#2	1239.	2444.	5026.	12400.	105300.	50350.
#3	1237.	2437.	5012.	12440.	105200.	50410.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123800.	5180.	127400.	2479.	7360.	988.3
Stddev	584.	22.	347.	5.	16.	6.2
%RSD	.4711	.4186	.2720	.2062	.2167	.6266

#1	123200.	5155.	127500.	2474.	7342.	986.9
#2	124400.	5193.	127100.	2483.	7373.	995.0
#3	123900.	5191.	127800.	2482.	7364.	982.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 13:27:34 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2407.	2504.	2597.	2422.	971.5	2460.
Stddev	5.	4.	14.	8.	3.1	7.
%RSD	.2010	.1669	.5575	.3109	.3202	.2699
#1	2401.	2504.	2580.	2413.	970.2	2452.
#2	2411.	2507.	2605.	2428.	975.0	2465.
#3	2408.	2499.	2606.	2424.	969.2	2461.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	983.4	5097.	9707.
Stddev	2.7	10.	11.
%RSD	.2702	.1993	.1169
#1	980.8	5088.	9697.
#2	986.1	5095.	9704.
#3	983.1	5108.	9719.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2290.9	31564.	4400.9
Stddev	4.5	121.	19.9
%RSD	.19628	.38237	.45322
#1	2285.7	31567.	4385.5
#2	2292.8	31442.	4423.4
#3	2294.1	31683.	4393.6

Sample Name: CCB Acquired: 10/12/2011 13:30:53 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.695	.7877	-.0587	.3527	.0379	50.98
Stddev	1.353	3.065	.5051	.2487	.1075	21.61
%RSD	23.76	389.0	859.8	70.52	283.5	42.40

#1	7.227	.8684	.4787	.5704	.0970	62.64
#2	4.665	-2.316	-.1313	.4060	.1029	64.26
#3	5.192	3.811	-.5237	.0816	-.0862	26.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0255	.2810	.9114	1.796	16.26	256.9
Stddev	.1201	.2711	.3531	1.064	3.62	31.5
%RSD	471.0	96.48	38.74	59.28	22.27	12.27

#1	-.0566	.5595	1.057	2.626	17.06	273.1
#2	.1633	.0180	.5088	2.164	12.31	220.6
#3	-.0302	.2655	1.168	.5957	19.42	277.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.505	.3360	71.58	.4080	.5800	1.837
Stddev	.475	.0485	7.82	.3859	.3892	1.100
%RSD	10.54	14.42	10.93	94.59	67.10	59.87

#1	5.048	.3581	80.42	.1912	.7753	2.464
#2	4.303	.3695	68.79	.8536	.8330	.5673
#3	4.165	.2805	65.53	.1792	.1319	2.481

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 13:30:53 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.453	2.201	-1.741	1.967	1.067	.9158
Stddev	2.889	1.111	1.134	.221	1.068	.6748
%RSD	117.8	50.49	651.3	11.21	100.1	73.69
#1	-4.635	.9248	1.071	2.078	1.712	1.575
#2	.8230	2.726	-1.148	2.111	1.655	.9467
#3	-3.547	2.953	-4.446	1.713	-.1662	.2260

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.0393	.1921	-.7124
Stddev	.5761	.1094	.7969
%RSD	1465.	56.95	111.9
#1	.3915	.2784	.0454
#2	-.6255	.2288	-.6393
#3	.3519	.0691	-1.543

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2501.5	34558.	4524.7
Stddev	11.9	123.	12.6
%RSD	.47499	.35504	.27838
#1	2515.0	34424.	4519.0
#2	2496.8	34665.	4539.2
#3	2492.7	34586.	4516.0

Sample Name: LCSSRM 460-88751/2-A Acquired: 10/12/2011 13:34:37 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45890.	478.4	137.7	933.6	368.4	48530.
Stddev	327.	6.6	1.1	1.7	2.7	270.
%RSD	.7117	1.388	.7941	.1776	.7255	.5558

#1	45530.	471.8	137.0	932.1	365.3	48230.
#2	45940.	485.1	139.0	935.4	369.5	48590.
#3	46180.	478.4	137.3	933.4	370.3	48760.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	283.3	447.9	1127.	828.8	100800.	20830.
Stddev	.9	1.0	7.	8.7	1249.	88.
%RSD	.3282	.2176	.6561	1.047	1.239	.4227

#1	282.4	446.9	1119.	818.8	99440.	20730.
#2	284.2	448.9	1131.	834.5	101900.	20850.
#3	283.3	447.8	1131.	833.1	101200.	20910.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18520.	2808.	4859.	661.7	424.4	874.8
Stddev	141.	24.	31.	2.7	1.4	4.3
%RSD	.7602	.8505	.6435	.4049	.3193	.4958

#1	18360.	2781.	4846.	658.7	425.1	870.6
#2	18590.	2827.	4837.	663.8	422.9	879.2
#3	18610.	2817.	4895.	662.6	425.3	874.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-88751/2-A Acquired: 10/12/2011 13:34:37 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1282.	639.8	591.5	2770.	648.3	244.0
Stddev	5.	4.9	7.5	8.	2.7	1.1
%RSD	.4006	.7632	1.263	.2988	.4168	.4508
#1	1277.	634.5	583.4	2760.	645.6	243.1
#2	1287.	640.9	598.0	2776.	648.2	245.3
#3	1282.	644.0	593.2	2772.	651.0	243.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	513.0	1079.	2322.
Stddev	3.1	5.	11.
%RSD	.6085	.4970	.4916
#1	510.4	1074.	2310.
#2	516.4	1080.	2322.
#3	512.1	1084.	2333.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2596.3	35735.	4854.3
Stddev	2.0	253.	23.7
%RSD	.07740	.70670	.48908
#1	2594.1	35891.	4827.2
#2	2598.1	35444.	4864.7
#3	2596.8	35871.	4871.1

Sample Name: 460-31913-A-2-E DU@4 Acquired: 10/12/2011 13:38:00 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8577.	25.92	.0248	873.0	.7031	7275.
Stddev	76.	1.95	.5618	2.4	.0622	26.
%RSD	.8815	7.509	2261.	.2712	8.851	.3568

#1	8501.	27.70	.6569	875.0	.7632	7245.
#2	8652.	23.84	-.1648	873.4	.6389	7285.
#3	8577.	26.22	-.4176	870.4	.7072	7294.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.00	16.14	301.0	164.8	30690.	1483.
Stddev	.08	.27	1.6	.3	99.	10.
%RSD	.7087	1.691	.5391	.1695	.3224	.6838

#1	11.09	16.43	300.1	165.0	30650.	1480.
#2	10.96	16.12	302.9	164.8	30800.	1494.
#3	10.96	15.88	300.0	164.5	30620.	1475.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1989.	352.8	977.6	48.61	421.0	7.473
Stddev	9.	1.0	12.2	.13	1.5	2.044
%RSD	.4426	.2764	1.248	.2719	.3634	27.36

#1	1983.	352.2	972.0	48.76	419.4	7.102
#2	1999.	353.9	991.6	48.49	422.5	9.677
#3	1984.	352.3	969.2	48.59	421.0	5.639

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31913-A-2-E DU@4 Acquired: 10/12/2011 13:38:00 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.070	.1553	48.03	554.5	7.338	2.486
Stddev	.824	1.123	.24	1.7	.811	.024
%RSD	39.77	722.9	.4939	.3141	11.06	.9803
#1	-2.008	1.424	47.82	555.2	8.249	2.508
#2	-2.923	-.7113	47.97	555.7	7.074	2.460
#3	-1.280	-.2466	48.29	552.5	6.692	2.490

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	31.74	40.65	1379.
Stddev	.49	.12	4.
%RSD	1.559	.3010	.3219
#1	31.95	40.55	1374.
#2	32.10	40.61	1383.
#3	31.18	40.78	1380.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2545.2	35186.	4655.3
Stddev	7.8	111.	1.9
%RSD	.30662	.31469	.03993
#1	2538.6	35061.	4656.0
#2	2543.1	35222.	4656.8
#3	2553.8	35273.	4653.2

Sample Name: 460-31913-A-2-D@4 Acquired: 10/12/2011 13:41:31 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8631.	25.48	-6561	878.0	.5726	7321.
Stddev	32.	2.89	.3999	3.1	.1078	20.
%RSD	.3751	11.35	60.95	.3491	18.82	.2782

#1	8600.	22.17	-.5022	881.3	.6896	7304.
#2	8665.	26.73	-1.110	877.5	.5508	7315.
#3	8629.	27.53	-.3560	875.2	.4775	7344.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.98	16.30	303.6	168.4	30950.	1555.
Stddev	.10	.30	1.2	2.9	174.	22.
%RSD	.9177	1.840	.4005	1.727	.5620	1.389

#1	10.99	16.47	304.9	171.0	30940.	1575.
#2	11.08	15.95	303.5	169.0	31130.	1559.
#3	10.88	16.47	302.5	165.3	30780.	1532.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1998.	355.3	984.2	49.12	422.3	5.931
Stddev	9.	.8	7.6	.24	1.5	1.260
%RSD	.4339	.2349	.7724	.4982	.3519	21.24

#1	2004.	356.0	988.0	49.40	422.3	5.787
#2	2002.	355.5	989.2	49.01	423.9	4.750
#3	1988.	354.4	975.5	48.94	420.9	7.257

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31913-A-2-D@4 Acquired: 10/12/2011 13:41:31 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2918	-1.366	48.14	559.2	6.314	2.368
Stddev	4.382	1.143	.98	1.9	.736	.186
%RSD	1502.	83.66	2.029	.3407	11.66	7.873
#1	1.511	-1.841	48.86	561.4	5.893	2.330
#2	3.936	-.0625	48.54	557.8	5.885	2.203
#3	-4.571	-2.196	47.03	558.6	7.164	2.570

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	32.70	40.70	1388.
Stddev	1.16	.39	2.
%RSD	3.548	.9526	.1486
#1	34.04	40.26	1386.
#2	32.00	40.90	1388.
#3	32.07	40.95	1390.

Check ? **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2537.4	35090.	4633.1
Stddev	4.1	72.	17.5
%RSD	.16036	.20388	.37829
#1	2537.5	35013.	4632.3
#2	2541.5	35103.	4651.0
#3	2533.4	35154.	4616.0

Sample Name: sd 460-31913-A-2-D@4 Acquired: 10/12/2011 13:45:03 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1683.	5.926	-6734	172.5	-.0208	1449.
Stddev	5.	2.256	.6125	.8	.1171	16.
%RSD	.2981	38.06	90.95	.4853	562.3	1.120

#1	1685.	5.912	-.9534	173.3	.0457	1449.
#2	1686.	3.678	.0290	171.6	-.1560	1433.
#3	1677.	8.189	-1.096	172.6	.0478	1466.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.078	3.535	59.45	33.16	6104.	488.4
Stddev	.156	.354	.34	3.20	17.	33.5
%RSD	7.507	10.01	.5701	9.639	.2849	6.865

#1	2.061	3.127	59.83	34.17	6124.	525.6
#2	1.930	3.749	59.33	29.58	6092.	460.4
#3	2.241	3.730	59.19	35.72	6095.	479.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	402.8	70.52	235.0	10.03	84.51	2.463
Stddev	5.5	.11	6.0	.28	2.14	2.504
%RSD	1.362	.1586	2.564	2.827	2.535	101.6

#1	405.4	70.58	236.6	10.11	82.16	1.150
#2	406.5	70.40	228.4	9.711	86.35	5.351
#3	396.5	70.60	240.1	10.26	85.01	.8899

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-31913-A-2-D@4 Acquired: 10/12/2011 13:45:03 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.596	.6331	9.450	109.6	.3271	.7062
Stddev	1.994	.9621	.486	.7	.3931	.0309
%RSD	76.80	152.0	5.141	.6488	120.2	4.382
#1	-3.209	1.335	9.840	110.4	.7766	.7420
#2	-.3681	-.4635	8.906	109.0	.1577	.6880
#3	-4.212	1.027	9.605	109.4	.0471	.6887

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	5.696	7.868	268.8
Stddev	.327	.072	3.2
%RSD	5.740	.9147	1.202
#1	5.536	7.800	265.1
#2	6.072	7.862	270.1
#3	5.480	7.944	271.1

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2531.9	34920.	4564.6
Stddev	7.4	184.	23.9
%RSD	.29323	.52586	.52308
#1	2525.2	35060.	4581.7
#2	2539.9	34987.	4537.3
#3	2530.7	34712.	4574.8

Sample Name: 460-31913-A-2-F MS@4 Acquired: 10/12/2011 13:48:38 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12990.	937.7	22.87	1661.	25.30	16100.
Stddev	117.	5.0	.49	5.	.29	123.
%RSD	.8994	.5299	2.148	.2887	1.134	.7645

#1	12860.	942.7	22.43	1664.	25.02	15960.
#2	13030.	937.8	23.40	1664.	25.59	16150.
#3	13090.	932.7	22.77	1656.	25.28	16190.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32.21	261.9	470.3	283.3	28020.	11810.
Stddev	.22	1.0	1.9	1.3	151.	143.
%RSD	.6816	.3763	.4116	.4564	.5370	1.207

#1	32.44	261.8	469.1	282.5	28070.	11660.
#2	32.19	263.0	472.5	284.8	28140.	11820.
#3	32.00	261.0	469.2	282.6	27850.	11940.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12140.	499.9	11000.	299.6	681.4	242.9
Stddev	67.	2.1	94.	.4	3.5	1.7
%RSD	.5515	.4297	.8572	.1491	.5193	.6927

#1	12080.	499.3	10920.	299.8	680.4	244.1
#2	12210.	502.3	10980.	299.9	685.3	243.7
#3	12130.	498.2	11100.	299.1	678.5	241.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31913-A-2-F MS@4 Acquired: 10/12/2011 13:48:38 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	904.8	1023.	294.8	815.2	249.4	242.2
Stddev	.9	2.	1.2	2.1	1.8	.8
%RSD	.1003	.1483	.4185	.2563	.7206	.3327
#1	903.9	1023.	295.5	815.6	248.6	242.5
#2	904.8	1024.	295.5	817.1	251.5	242.8
#3	905.7	1021.	293.4	813.0	248.1	241.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	285.0	296.6	1333.
Stddev	.9	1.7	7.
%RSD	.3029	.5865	.5545
#1	284.1	294.7	1324.
#2	285.8	297.2	1336.
#3	284.9	298.0	1338.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2486.7	34311.	4558.2
Stddev	12.6	233.	41.1
%RSD	.50742	.67994	.90272
#1	2477.6	34292.	4580.4
#2	2481.4	34087.	4583.4
#3	2501.1	34553.	4510.7

Sample Name: pds 460-31913-A-2-D@ Acquired: 10/12/2011 13:52:03 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10280.	1848.	50.29	2773.	48.10	27020.
Stddev	147.	13.	.29	14.	.14	125.
%RSD	1.425	.6995	.5716	.5060	.2818	.4643

#1	10130.	1848.	50.43	2759.	47.98	26870.
#2	10310.	1862.	49.96	2787.	48.09	27110.
#3	10420.	1836.	50.48	2773.	48.24	27070.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58.75	496.0	493.8	401.4	31180.	20520.
Stddev	.32	2.9	4.7	2.2	130.	51.
%RSD	.5512	.5892	.9418	.5436	.4169	.2481

#1	58.54	495.0	488.5	400.6	31030.	20460.
#2	59.12	499.3	496.6	403.9	31260.	20550.
#3	58.58	493.8	496.5	399.8	31250.	20540.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20780.	858.0	20480.	537.2	894.5	467.6
Stddev	78.	3.7	97.	2.8	5.7	2.0
%RSD	.3768	.4368	.4759	.5306	.6398	.4317

#1	20720.	853.8	20480.	536.2	889.1	469.4
#2	20870.	861.0	20570.	540.5	900.5	468.0
#3	20760.	859.2	20380.	535.1	893.8	465.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-31913-A-2-D@ Acquired: 10/12/2011 13:52:03 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1789.	1993.	547.2	1020.	477.8	473.0
Stddev	12.	10.	2.9	8.	3.1	1.8
%RSD	.6708	.5028	.5364	.7729	.6413	.3814
#1	1778.	1993.	548.4	1011.	476.3	472.3
#2	1802.	2003.	549.5	1025.	481.3	475.0
#3	1787.	1983.	543.9	1024.	475.8	471.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	503.8	517.8	1845.
Stddev	3.4	2.2	22.
%RSD	.6748	.4258	1.194
#1	501.9	515.6	1820.
#2	507.7	520.0	1853.
#3	501.7	517.9	1862.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2474.2	34137.	4576.8
Stddev	8.5	17.	10.3
%RSD	.34200	.05121	.22500
#1	2481.1	34138.	4570.8
#2	2464.7	34154.	4588.7
#3	2476.7	34119.	4570.9

Sample Name: 460-31914-A-1-D@4 Acquired: 10/12/2011 13:55:25 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31390.	44.28	1.245	4616.	1.144	27150.
Stddev	170.	.98	.491	5.	.109	204.
%RSD	.5430	2.217	39.44	.1190	9.544	.7495

#1	31190.	44.47	.7654	4619.	1.261	26910.
#2	31490.	43.22	1.747	4609.	1.125	27290.
#3	31480.	45.16	1.223	4618.	1.045	27240.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.25	34.01	140.3	476.3	96660.	3429.
Stddev	.11	.26	.6	6.2	842.	26.
%RSD	.9363	.7598	.4463	1.299	.8714	.7662

#1	12.31	33.88	139.7	475.2	95700.	3415.
#2	12.12	34.30	140.3	483.0	97290.	3459.
#3	12.32	33.84	140.9	470.8	96990.	3413.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16110.	1240.	4288.	94.02	1540.	23.72
Stddev	80.	7.	32.	.27	3.	2.08
%RSD	.4952	.6024	.7363	.2907	.2161	8.788

#1	16030.	1232.	4261.	93.98	1537.	24.02
#2	16120.	1244.	4323.	93.77	1538.	21.50
#3	16180.	1245.	4281.	94.31	1544.	25.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-A-1-D@4 Acquired: 10/12/2011 13:55:25 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3631	-1.079	145.7	1661.	21.64	3.617
Stddev	3.674	.948	1.7	1.	.58	.120
%RSD	1012.	87.90	1.198	.0765	2.695	3.324
#1	3.687	-.5217	143.7	1660.	22.02	3.714
#2	.9843	-.5409	147.1	1662.	21.93	3.656
#3	-3.581	-2.173	146.2	1662.	20.97	3.483

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	269.6	190.5	2825.
Stddev	1.1	1.0	15.
%RSD	.4254	.5250	.5223
#1	268.4	189.3	2809.
#2	269.9	191.2	2830.
#3	270.6	190.9	2837.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2574.9	35474.	4751.7
Stddev	5.6	239.	20.9
%RSD	.21779	.67257	.43913
#1	2568.7	35591.	4765.2
#2	2576.3	35199.	4727.7
#3	2579.7	35631.	4762.3

Sample Name: 460-31914-F-2-D@4 Acquired: 10/12/2011 13:58:57 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17330.	71.34	3.436	2074.	1.500	69000.
Stddev	163.	1.67	.331	9.	.102	654.
%RSD	.9407	2.342	9.642	.4192	6.801	.9479

#1	17170.	73.19	3.366	2080.	1.387	68270.
#2	17490.	70.87	3.796	2078.	1.527	69530.
#3	17320.	69.95	3.145	2064.	1.586	69200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.171	27.51	90.91	9713.	163500.	3388.
Stddev	.240	.39	.53	76.	1484.	22.
%RSD	3.893	1.413	.5877	.7799	.9076	.6400

#1	6.440	27.27	90.33	9630.	161900.	3409.
#2	5.977	27.96	91.38	9779.	164900.	3388.
#3	6.098	27.30	91.02	9729.	163600.	3366.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2773.	3255.	2934.	60.48	4045.	31.47
Stddev	15.	24.	64.	.22	9.	1.45
%RSD	.5256	.7337	2.179	.3654	.2169	4.622

#1	2768.	3228.	2867.	60.73	4050.	33.11
#2	2789.	3274.	2995.	60.31	4051.	30.32
#3	2761.	3263.	2939.	60.39	4035.	30.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-F-2-D@4 Acquired: 10/12/2011 13:58:57 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.156	2.758	89.38	4162.	11.51	11.49
Stddev	1.336	.211	.95	11.	.23	.23
%RSD	25.91	7.636	1.067	.2611	1.996	1.969
#1	6.441	2.704	88.47	4170.	11.77	11.74
#2	5.251	2.990	90.37	4166.	11.31	11.40
#3	3.775	2.579	89.29	4150.	11.46	11.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	868.7	332.2	345.1
Stddev	2.8	3.5	2.0
%RSD	.3278	1.059	.5809
#1	867.3	328.1	343.0
#2	872.0	334.4	347.0
#3	866.9	334.0	345.3

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2514.1	34588.	4668.8
Stddev	8.6	145.	27.4
%RSD	.34138	.42032	.58712
#1	2504.4	34716.	4697.1
#2	2517.3	34430.	4642.4
#3	2520.7	34619.	4666.9

Sample Name: 460-31914-E-3-B@4 Acquired: 10/12/2011 14:02:26 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2824.	10.73	-.2981	260.4	.2317	25940.
Stddev	23.	1.18	.3314	.4	.0197	161.
%RSD	.8229	11.01	111.2	.1663	8.509	.6197

#1	2813.	9.786	-.1814	260.9	.2495	25800.
#2	2850.	10.34	-.0408	260.1	.2105	26120.
#3	2808.	12.05	-.6722	260.1	.2350	25910.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4275	2.992	10.91	104.2	29810.	766.1
Stddev	.0504	.282	.33	5.6	170.	29.8
%RSD	11.80	9.415	3.012	5.407	.5685	3.895

#1	.4327	3.063	10.81	97.77	29700.	778.7
#2	.3746	3.231	11.28	106.9	30010.	732.1
#3	.4751	2.682	10.65	108.1	29720.	787.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3020.	474.0	971.2	7.507	207.4	4.647
Stddev	14.	2.0	15.7	.410	1.3	1.384
%RSD	.4478	.4274	1.614	5.462	.6048	29.78

#1	3008.	472.6	966.1	7.829	208.0	3.810
#2	3034.	476.3	988.8	7.045	208.3	6.244
#3	3016.	473.0	958.7	7.646	206.0	3.887

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-E-3-B@4 Acquired: 10/12/2011 14:02:26 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.903	1.262	14.38	192.2	37.63	2.398
Stddev	2.857	.646	.13	.8	.51	.253
%RSD	150.1	51.19	.9017	.4398	1.358	10.55
#1	3.132	1.643	14.26	192.8	37.54	2.200
#2	-1.363	1.626	14.52	192.6	38.18	2.311
#3	3.939	.5160	14.36	191.2	37.17	2.683

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	43.51	148.5	73.56
Stddev	.49	1.0	.58
%RSD	1.131	.6676	.7900
#1	43.75	147.6	73.64
#2	42.94	149.6	74.11
#3	43.83	148.4	72.95

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2527.3	34973.	4673.8
Stddev	7.7	212.	50.9
%RSD	.30349	.60693	1.0892
#1	2518.6	34781.	4682.7
#2	2530.2	34936.	4619.1
#3	2533.1	35201.	4719.7

Sample Name: 460-31914-F-4-D@4 Acquired: 10/12/2011 14:06:00 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22540.	.5951	-.9175	232.9	1.352	4319.
Stddev	115.	.4508	.9973	1.6	.079	6.
%RSD	.5104	75.75	108.7	.6971	5.842	.1374

#1	22450.	1.103	.2314	231.2	1.370	4318.
#2	22510.	.4401	-1.425	233.4	1.421	4314.
#3	22670.	.2423	-1.559	234.3	1.266	4325.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1608	13.53	75.10	27.73	22610.	3866.
Stddev	.0204	.10	.16	3.39	100.	28.
%RSD	12.67	.7742	.2098	12.23	.4411	.7180

#1	-.1740	13.64	74.92	24.99	22590.	3898.
#2	-.1373	13.53	75.14	31.52	22530.	3849.
#3	-.1710	13.43	75.22	26.67	22720.	3851.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9970.	238.0	480.4	39.02	26.92	2.191
Stddev	72.	1.3	15.4	.14	.63	1.580
%RSD	.7201	.5543	3.199	.3468	2.334	72.12

#1	9905.	237.5	467.4	38.89	27.60	1.975
#2	9957.	237.1	497.3	39.03	26.78	3.868
#3	10050.	239.5	476.4	39.16	26.37	.7300

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-F-4-D@4 Acquired: 10/12/2011 14:06:00 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5262	-1752	32.31	83.90	11.17	-0870
Stddev	3.527	.8085	.72	.46	.36	.0864
%RSD	670.4	461.4	2.220	.5455	3.232	99.33
#1	-1.644	.7030	32.48	83.54	10.81	-.0214
#2	3.425	-.3401	31.52	83.75	11.17	-.0546
#3	-3.359	-.8886	32.92	84.42	11.53	-.1849

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	3.143	23.40	594.6
Stddev	.460	.18	5.0
%RSD	14.64	.7854	.8397
#1	3.659	23.25	589.7
#2	2.995	23.34	594.4
#3	2.775	23.60	599.7

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2608.9	35877.	4738.6
Stddev	4.9	232.	16.4
%RSD	.18916	.64786	.34580
#1	2613.7	35638.	4728.9
#2	2603.8	36102.	4757.5
#3	2609.1	35890.	4729.4

Sample Name: CCV Acquired: 10/12/2011 14:09:36 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121600.	2426.	1205.	9847.	987.4	125500.
Stddev	274.	4.	3.	9.	1.8	396.
%RSD	.2252	.1613	.2483	.0878	.1806	.3152

#1	121300.	2422.	1202.	9838.	985.7	125100.
#2	121800.	2429.	1204.	9847.	989.2	125900.
#3	121600.	2428.	1208.	9856.	987.4	125500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1228.	2425.	4973.	12350.	103600.	49870.
Stddev	1.	4.	6.	17.	71.	46.
%RSD	.0970	.1648	.1206	.1369	.0682	.0928

#1	1227.	2421.	4966.	12340.	103500.	49820.
#2	1228.	2425.	4975.	12370.	103600.	49880.
#3	1230.	2429.	4977.	12350.	103700.	49920.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122600.	5142.	126200.	2464.	7320.	978.7
Stddev	151.	8.	293.	3.	6.	3.1
%RSD	.1228	.1459	.2322	.1201	.0782	.3161

#1	122400.	5133.	126000.	2462.	7315.	981.4
#2	122700.	5147.	126500.	2463.	7320.	975.3
#3	122700.	5145.	126000.	2467.	7326.	979.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 14:09:36 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2381.	2492.	2570.	2409.	967.1	2450.
Stddev	8.	3.	1.	4.	2.2	7.
%RSD	.3452	.1303	.0404	.1699	.2254	.2856
#1	2387.	2490.	2569.	2404.	964.7	2443.
#2	2371.	2490.	2571.	2409.	967.7	2451.
#3	2384.	2496.	2570.	2413.	969.0	2456.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	975.6	5062.	9675.
Stddev	3.8	11.	10.
%RSD	.3935	.2103	.1032
#1	972.6	5052.	9665.
#2	974.1	5073.	9685.
#3	979.9	5060.	9673.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2295.8	31763.	4444.1
Stddev	8.0	36.	5.3
%RSD	.34845	.11489	.11906
#1	2302.4	31735.	4438.4
#2	2298.0	31749.	4444.9
#3	2286.9	31804.	4448.9

Sample Name: CCB Acquired: 10/12/2011 14:12:55 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.02	2.562	-.4944	.6269	.1146	45.15
Stddev	5.97	.539	.4086	.3911	.0601	5.46
%RSD	29.84	21.03	82.64	62.38	52.42	12.09

#1	19.62	1.987	-.8696	1.033	.0454	40.97
#2	26.18	2.646	-.5546	.5948	.1536	43.16
#3	14.25	3.055	-.0591	.2529	.1447	51.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0640	.0989	.7338	.5105	20.72	266.6
Stddev	.1110	.2536	.5000	2.145	13.24	8.4
%RSD	173.4	256.3	68.13	420.3	63.89	3.139

#1	.1667	-.0486	1.244	1.750	5.492	276.0
#2	.0790	.3917	.2444	1.748	27.17	263.8
#3	-.0537	-.0464	.7132	-1.967	29.49	260.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.301	.3124	68.67	.6577	.2453	3.124
Stddev	4.712	.1347	13.22	.2004	1.072	2.131
%RSD	50.66	43.13	19.25	30.47	436.8	68.20

#1	14.34	.4168	77.90	.8745	-.8201	2.224
#2	8.566	.3600	74.59	.4792	1.323	5.557
#3	4.999	.1603	53.53	.6196	.2332	1.591

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 14:12:55 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.703	1.516	-1.861	2.117	.0521	1.241
Stddev	.190	1.894	.2808	.241	.1252	.847
%RSD	11.13	125.0	150.9	11.37	240.2	68.20
#1	-1.762	2.126	.0983	2.372	-.0195	2.195
#2	-1.855	3.029	-.4631	1.894	.1968	.9510
#3	-1.490	-.6086	-.1936	2.086	-.0208	.5780

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.1766	.1748	.6134
Stddev	.6004	.0984	.6272
%RSD	339.9	56.30	102.3
#1	.4945	.2220	.9411
#2	-.3618	.2408	-.1098
#3	-.6626	.0617	1.009

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2509.8	34765.	4521.3
Stddev	7.5	77.	2.6
%RSD	.29753	.22083	.05710
#1	2518.3	34823.	4523.7
#2	2504.5	34678.	4521.5
#3	2506.5	34794.	4518.5

Sample Name: 460-31914-A-5-D@4 Acquired: 10/12/2011 14:16:39 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41040.	83.12	-.0879	1875.	1.320	42770.
Stddev	224.	2.69	.1768	3.	.092	24.
%RSD	.5460	3.230	201.1	.1555	6.976	.0572

#1	40790.	81.86	.1109	1872.	1.359	42750.
#2	41110.	81.29	-.2274	1877.	1.214	42790.
#3	41230.	86.20	-.1471	1877.	1.386	42780.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.224	41.88	93.97	337.7	99720.	5248.
Stddev	.073	.22	.56	1.6	396.	30.
%RSD	2.270	.5241	.5996	.4641	.3975	.5668

#1	3.177	41.69	93.37	336.4	99330.	5228.
#2	3.186	41.83	94.49	337.3	100100.	5282.
#3	3.308	42.12	94.04	339.5	99700.	5234.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27390.	2019.	4023.	105.3	811.1	7.404
Stddev	141.	9.	13.	.2	1.1	1.519
%RSD	.5162	.4602	.3353	.1425	.1387	20.52

#1	27240.	2009.	4020.	105.3	810.8	6.064
#2	27510.	2026.	4038.	105.2	810.1	9.055
#3	27430.	2022.	4012.	105.5	812.3	7.093

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-A-5-D@4 Acquired: 10/12/2011 14:16:39 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.517	-1.669	143.7	800.2	21.64	2.280
Stddev	2.865	1.802	.9	1.2	.11	.261
%RSD	188.9	108.0	.6149	.1480	.5058	11.43
#1	1.682	-3.656	142.8	799.0	21.71	2.530
#2	-3.846	-.1403	143.7	801.4	21.51	2.010
#3	-2.386	-1.210	144.5	800.2	21.69	2.301

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	183.0	157.0	3458.
Stddev	.2	.5	15.
%RSD	.1358	.3265	.4462
#1	182.7	156.6	3441.
#2	183.2	157.6	3462.
#3	183.1	156.9	3472.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2566.4	35238.	4750.0
Stddev	4.4	47.	15.3
%RSD	.17324	.13378	.32165
#1	2564.2	35235.	4744.3
#2	2571.6	35193.	4767.3
#3	2563.5	35287.	4738.4

Sample Name: 460-32076-D-1-C DU@2 Acquired: 10/12/2011 14:20:10 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	158.5	-2.624	.5343	63.24	.4085	78810.
Stddev	4.4	1.482	.8510	.13	.0613	222.
%RSD	2.759	56.49	159.3	.2032	15.00	.2814

#1	156.5	-2.963	1.107	63.33	.4450	79050.
#2	155.4	-3.908	.9392	63.29	.3378	78780.
#3	163.5	-1.002	-.4435	63.09	.4428	78610.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9861	349.1	4.068	-2.115	6987.	4630.
Stddev	.0874	.9	.705	1.717	32.	22.
%RSD	8.866	.2621	17.32	81.18	.4643	.4750

#1	.8853	349.7	4.830	-1.713	7011.	4650.
#2	1.032	349.6	3.932	-3.998	6950.	4607.
#3	1.041	348.0	3.441	-.6347	6999.	4634.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64680.	F 29290.	138100.	97.44	1.274	8.297
Stddev	73.	80.	641.	.34	1.341	2.114
%RSD	.1121	.2743	.4643	.3471	105.3	25.47

#1	64760.	29290.	138800.	97.82	2.705	8.702
#2	64650.	29210.	137900.	97.30	1.068	6.011
#3	64630.	29370.	137500.	97.19	.0471	10.18

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: 460-32076-D-1-C DU@2 Acquired: 10/12/2011 14:20:10 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.688	32.81	-5.446	108.3	5.494	.5319
Stddev	2.313	.45	.1333	.3	.467	.1722
%RSD	40.67	1.357	24.48	.2386	8.497	32.38
#1	-3.113	33.30	-.4820	108.5	5.708	.4012
#2	-7.592	32.43	-.4540	108.5	4.958	.7271
#3	-6.358	32.71	-.6977	108.0	5.815	.4674

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.4055	354.9	-13.93
Stddev	.4872	.5	1.16
%RSD	120.2	.1320	8.333
#1	-.7337	355.4	-13.51
#2	-.6371	354.5	-13.04
#3	.1544	354.8	-15.24

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2507.4	34149.	4709.1
Stddev	3.6	204.	19.3
%RSD	.14463	.59626	.41034
#1	2508.7	33917.	4691.1
#2	2510.1	34297.	4706.5
#3	2503.3	34234.	4729.5

Sample Name: 460-32076-D-1-B@ Acquired: 10/12/2011 14:23:53 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	151.5	-2.203	.6088	62.77	.4392	78120.
Stddev	9.7	.693	.9308	.27	.0728	106.
%RSD	6.434	31.45	152.9	.4363	16.57	.1360

#1	144.4	-2.639	.7834	63.03	.4922	78060.
#2	162.6	-2.566	-.3970	62.79	.4691	78060.
#3	147.5	-1.404	1.440	62.49	.3562	78250.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9329	347.0	3.956	-3.059	6906.	4613.
Stddev	.0967	.8	.131	1.807	35.	21.
%RSD	10.36	.2257	3.304	59.08	.5007	.4547

#1	.9192	347.7	3.907	-1.720	6923.	4622.
#2	1.036	347.2	4.104	-5.114	6866.	4589.
#3	.8438	346.1	3.857	-2.342	6929.	4628.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64050.	F 29030.	136900.	96.12	1.357	10.39
Stddev	133.	288.	275.	.11	.431	1.92
%RSD	.2081	.9907	.2005	.1195	31.78	18.43

#1	64090.	29320.	137000.	96.23	.9232	12.33
#2	63900.	28750.	136600.	96.12	1.363	8.500
#3	64150.	29020.	137100.	96.01	1.786	10.35

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: 460-32076-D-1-B@ Acquired: 10/12/2011 14:23:53 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.975	33.05	-6.024	107.7	5.531	.3330
Stddev	.613	1.02	.4584	.3	.147	.1013
%RSD	10.26	3.086	76.10	.3047	2.657	30.40
#1	-5.774	33.05	-.2236	107.9	5.631	.2273
#2	-5.487	34.07	-.4716	108.0	5.601	.4291
#3	-6.663	32.03	-1.112	107.4	5.363	.3427

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.9977	352.1	-14.02
Stddev	.6317	.6	.25
%RSD	63.31	.1704	1.814
#1	-1.479	351.5	-13.89
#2	-1.231	352.0	-13.87
#3	-.2824	352.7	-14.32

Check ? Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2501.2	34108.	4732.7
Stddev	7.3	174.	23.7
%RSD	.29309	.51017	.50011
#1	2499.7	33962.	4705.9
#2	2494.8	34301.	4750.7
#3	2509.2	34061.	4741.7

Sample Name: sd 460-32076-D-1-B@1 Acquired: 10/12/2011 14:27:36 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.33	-.1456	-.0716	12.96	.1747	16250.
Stddev	19.33	1.116	.7839	.10	.0311	56.
%RSD	61.70	766.5	1095.	.7833	17.78	.3467

#1	9.399	.3467	.8119	12.96	.2062	16190.
#2	45.89	-1.423	-.6840	12.86	.1739	16300.
#3	38.71	.6394	-.3425	13.07	.1441	16260.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1952	72.87	.9615	-.5862	1445.	1120.
Stddev	.0571	.02	.1793	2.706	15.	70.
%RSD	29.24	.0336	18.65	461.6	1.071	6.288

#1	.2459	72.86	.8197	2.128	1455.	1199.
#2	.2065	72.85	1.163	-.6032	1427.	1063.
#3	.1334	72.90	.9017	-3.283	1452.	1098.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13210.	6417.	28330.	20.67	.6439	4.031
Stddev	15.	31.	39.	.49	2.588	1.213
%RSD	.1133	.4766	.1367	2.377	401.8	30.10

#1	13220.	6413.	28300.	20.77	1.829	4.351
#2	13220.	6389.	28380.	21.10	-2.324	5.052
#3	13200.	6450.	28320.	20.13	2.427	2.690

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-32076-D-1-B@1 Acquired: 10/12/2011 14:27:36 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.355	5.605	-4.770	23.82	.4369	.4780
Stddev	2.291	1.332	.6594	.10	.1056	.2133
%RSD	97.30	23.76	138.2	.4289	24.18	44.63
#1	-1.738	4.388	-.1250	23.73	.3661	.2459
#2	-4.891	5.399	-.0683	23.93	.3862	.6655
#3	-.4350	7.027	-1.238	23.79	.5583	.5226

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.7041	72.47	-3.466
Stddev	.7051	.34	.164
%RSD	100.1	.4664	4.724
#1	-1.514	72.09	-3.413
#2	-.3679	72.60	-3.335
#3	-.2300	72.73	-3.649

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2506.3	34322.	4601.9
Stddev	4.8	212.	7.1
%RSD	.19243	.61856	.15385
#1	2511.7	34151.	4604.6
#2	2504.7	34560.	4607.2
#3	2502.4	34255.	4593.8

Sample Name: 460-32076-D-1-D MS@2 Acquired: 10/12/2011 14:31:23 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2011.	1860.	46.30	1930.	47.67	97360.
Stddev	27.	7.	.30	2.	.09	24.
%RSD	1.320	.3885	.6377	.0947	.1881	.0245

#1	1982.	1861.	46.63	1929.	47.77	97390.
#2	2035.	1867.	46.07	1932.	47.60	97350.
#3	2016.	1853.	46.21	1930.	47.64	97340.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.85	804.5	196.1	235.7	7917.	23520.
Stddev	.09	1.0	.5	2.6	25.	56.
%RSD	.1979	.1292	.2485	1.115	.3127	.2370

#1	47.77	805.7	196.2	238.1	7911.	23580.
#2	47.96	804.2	195.6	236.1	7896.	23480.
#3	47.82	803.7	196.6	232.9	7944.	23500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83090.	F 29550.	156200.	565.3	469.0	481.3
Stddev	132.	389.	350.	.8	2.3	2.0
%RSD	.1589	1.317	.2238	.1446	.4911	.4189

#1	83150.	29490.	156500.	564.4	468.3	481.0
#2	82940.	29190.	156200.	566.0	471.6	483.4
#3	83180.	29960.	155800.	565.6	467.1	479.4

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: 460-32076-D-1-D MS@2 Acquired: 10/12/2011 14:31:23 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1806.	1888.	502.4	567.7	476.7	467.5
Stddev	5.	3.	1.9	1.2	.6	.6
%RSD	.2626	.1347	.3804	.2084	.1197	.1331
#1	1811.	1888.	503.4	568.7	476.5	466.9
#2	1801.	1891.	500.2	568.1	477.3	468.1
#3	1807.	1885.	503.7	566.4	476.2	467.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	464.4	822.5	457.1
Stddev	1.0	1.2	.8
%RSD	.2233	.1436	.1783
#1	464.8	822.7	457.5
#2	465.2	823.5	457.6
#3	463.2	821.2	456.1

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2484.8	33800.	4692.0
Stddev	1.0	208.	36.2
%RSD	.04111	.61681	.77112
#1	2485.9	33808.	4655.3
#2	2484.5	34004.	4727.6
#3	2483.9	33587.	4693.1

Sample Name: pds 460-32076-D-1-B@ Acquired: 10/12/2011 14:34:54 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1887.	1734.	48.55	1809.	44.61	93200.
Stddev	14.	4.	.11	7.	.32	115.
%RSD	.7334	.2241	.2212	.3951	.7283	.1232

#1	1885.	1739.	48.53	1816.	44.98	93100.
#2	1901.	1734.	48.46	1809.	44.48	93320.
#3	1874.	1731.	48.67	1801.	44.37	93170.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.87	763.6	184.2	219.1	7589.	22120.
Stddev	.24	1.7	1.9	1.0	44.	94.
%RSD	.5368	.2203	1.042	.4778	.5760	.4234

#1	45.14	764.5	186.0	218.4	7639.	22100.
#2	44.80	764.7	184.4	218.6	7562.	22220.
#3	44.68	761.7	182.2	220.3	7565.	22040.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79470.	F 28680.	149300.	532.1	439.3	451.7
Stddev	295.	101.	388.	2.0	2.9	4.2
%RSD	.3718	.3522	.2601	.3735	.6657	.9342

#1	79760.	28600.	149200.	534.3	442.7	455.2
#2	79460.	28790.	149800.	531.6	437.3	452.8
#3	79170.	28640.	149000.	530.5	437.9	447.0

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: pds 460-32076-D-1-B@ Acquired: 10/12/2011 14:34:54 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1685.	1785.	468.5	535.2	444.0	437.6
Stddev	6.	7.	3.3	1.4	1.9	2.2
%RSD	.3397	.4026	.7074	.2666	.4220	.4994
#1	1686.	1793.	472.2	536.1	446.1	439.7
#2	1691.	1784.	467.7	535.9	442.7	437.9
#3	1680.	1779.	465.7	533.5	443.1	435.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	434.0	778.2	426.8
Stddev	3.4	1.9	1.6
%RSD	.7927	.2461	.3730
#1	436.2	778.9	427.7
#2	435.8	779.6	427.9
#3	430.1	776.0	425.0

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2489.3	33864.	4715.3
Stddev	2.0	87.	6.0
%RSD	.08002	.25777	.12724
#1	2491.4	33842.	4713.8
#2	2487.4	33790.	4710.2
#3	2489.1	33960.	4721.9

Sample Name: 460-32076-D-1-C DU@1 Acquired: 10/12/2011 14:38:25 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10.97	-6859	-5364	3.429	.0726	4260.
Stddev	3.41	2.346	.4369	.134	.2481	4.
%RSD	31.07	342.0	81.45	3.917	341.5	.0949
#1	-12.23	-5438	-1.011	3.573	.3248	4263.
#2	-13.56	1.586	-.4475	3.307	-.1711	4260.
#3	-7.108	-3.100	-.1507	3.407	.0642	4255.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0481	19.34	.2925	2.495	384.7	450.3
Stddev	.0475	.19	.3652	4.310	4.3	35.3
%RSD	98.72	.9756	124.8	172.7	1.124	7.839
#1	-.0998	19.56	.3632	6.892	381.0	448.4
#2	-.0064	19.25	.6172	2.316	389.5	486.6
#3	-.0381	19.22	-.1029	-1.723	383.6	416.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3464.	1704.	7485.	5.572	-.3825	2.074
Stddev	6.	2.	12.	.270	.5747	.393
%RSD	.1704	.0957	.1603	4.843	150.2	18.92
#1	3462.	1702.	7483.	5.363	-.6032	1.805
#2	3470.	1705.	7498.	5.876	-.8142	1.893
#3	3459.	1706.	7474.	5.476	.2698	2.524

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32076-D-1-C DU@1 Acquired: 10/12/2011 14:38:25 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.812	4.242	-0.763	7.305	1.157	.4592
Stddev	2.041	1.306	.1833	.064	.680	.2430
%RSD	72.58	30.79	240.2	.8720	58.79	52.91
#1	-4.376	3.458	-.2576	7.243	1.382	.5148
#2	-.5033	3.520	.1089	7.371	1.695	.6696
#3	-3.557	5.750	-.0802	7.303	.3925	.1933

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.3407	18.86	-1.866
Stddev	.3665	.10	1.767
%RSD	107.6	.5132	94.71
#1	.1006	18.97	-1.015
#2	.7625	18.82	-3.897
#3	.1589	18.79	-.6848

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2528.4	34993.	4605.1
Stddev	3.8	38.	15.7
%RSD	.15032	.10911	.34197
#1	2524.0	35013.	4605.1
#2	2530.6	35017.	4589.4
#3	2530.6	34949.	4620.8

Sample Name: 460-32076-D-1-B@10 Acquired: 10/12/2011 14:42:05 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.675	1.385	-.2997	3.337	.0438	4287.
Stddev	17.81	.687	.1013	.072	.1288	14.
%RSD	313.8	49.61	33.79	2.164	294.2	.3270

#1	-5.310	.5923	-.4135	3.364	.1621	4279.
#2	-23.66	1.809	-.2191	3.393	-.0934	4279.
#3	11.95	1.754	-.2666	3.256	.0626	4303.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0048	19.55	.4919	4.064	373.3	460.6
Stddev	.1006	.35	.8051	1.033	5.3	46.4
%RSD	2102.	1.806	163.7	25.43	1.409	10.07

#1	-.0048	19.22	1.156	4.668	367.8	464.5
#2	.1098	19.50	-.4035	4.653	378.2	504.9
#3	-.0907	19.92	.7229	2.871	373.9	412.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3491.	1710.	7522.	5.739	-.4908	.9601
Stddev	13.	5.	19.	.172	1.023	1.544
%RSD	.3783	.2769	.2509	3.002	208.5	160.8

#1	3477.	1711.	7538.	5.615	.6669	-.6721
#2	3503.	1714.	7501.	5.936	-1.275	2.396
#3	3492.	1705.	7526.	5.666	-.8641	1.156

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32076-D-1-B@10 Acquired: 10/12/2011 14:42:05 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1494	2.626	-.1799	7.151	-.2135	-.0456
Stddev	2.394	.693	.5716	.032	1.175	.2786
%RSD	1603.	26.37	317.8	.4403	550.6	611.6
#1	-2.751	2.036	-.7594	7.131	1.047	-.3634
#2	1.960	2.453	-.1637	7.187	-.4082	.1563
#3	.3428	3.388	.3835	7.134	-1.279	.0704

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.1459	18.85	-2.165
Stddev	.6309	.07	1.020
%RSD	432.3	.3628	47.10
#1	.8600	18.77	-.9887
#2	-.0860	18.86	-2.796
#3	-.3362	18.91	-2.712

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2525.4	34929.	4577.0
Stddev	7.1	155.	34.1
%RSD	.28032	.44488	.74399
#1	2528.7	35015.	4590.5
#2	2530.3	34749.	4602.1
#3	2517.3	35022.	4538.2

Sample Name: sd 460-32076-D-1-B@5 Acquired: 10/12/2011 14:45:46 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.590	1.005	-6.794	.6535	.1140	862.4
Stddev	4.005	.736	1.127	.0378	.1058	9.7
%RSD	71.65	73.29	165.8	5.790	92.81	1.120
#1	-8.784	.2842	.3147	.6098	.2348	872.4
#2	-1.096	1.756	-1.903	.6765	.0384	861.6
#3	-6.890	.9739	-.4496	.6742	.0687	853.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0063	3.922	.3566	1.154	71.28	254.9
Stddev	.0530	.066	.1702	3.555	5.40	92.3
%RSD	835.8	1.686	47.72	308.0	7.572	36.23
#1	.0269	3.968	.1882	4.109	71.00	342.5
#2	.0460	3.952	.3530	2.143	66.04	263.8
#3	-.0539	3.846	.5285	-2.790	76.82	158.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	679.4	334.6	1536.	1.176	1.413	2.257
Stddev	3.5	1.5	13.	.388	.273	1.281
%RSD	.5209	.4437	.8445	33.02	19.30	56.78
#1	675.7	333.1	1541.	1.425	1.426	3.721
#2	682.7	336.1	1521.	.7286	1.134	1.338
#3	679.8	334.6	1546.	1.374	1.680	1.712

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-32076-D-1-B@5 Acquired: 10/12/2011 14:45:46 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.018	2.491	-4.325	2.220	-.5054	.1657
Stddev	.869	1.679	.6847	.033	.3062	.3652
%RSD	28.79	67.39	158.3	1.485	60.59	220.3
#1	-2.059	1.094	.0046	2.221	-.5826	-.2546
#2	-3.753	2.026	-.0805	2.253	-.1679	.3471
#3	-3.243	4.353	-1.222	2.187	-.7656	.4047

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.0673	3.618	-1.424
Stddev	.5798	.057	1.872
%RSD	862.0	1.583	131.4
#1	-.0392	3.558	-1.206
#2	-.6606	3.625	-3.395
#3	.4980	3.672	.3291

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2527.6	34838.	4556.6
Stddev	.4	177.	34.3
%RSD	.01708	.50742	.75278
#1	2527.8	35034.	4595.2
#2	2527.1	34690.	4544.8
#3	2527.9	34790.	4529.7

Sample Name: 460-32076-D-1-D MS@1 Acquired: 10/12/2011 14:49:27 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	96.27	88.74	1.731	97.88	2.293	4927.
Stddev	6.50	.65	.561	.07	.125	11.
%RSD	6.747	.7295	32.43	.0749	5.440	.2151
#1	95.55	88.00	2.078	97.84	2.390	4935.
#2	90.17	89.14	1.083	97.82	2.152	4931.
#3	103.1	89.09	2.032	97.96	2.337	4915.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.291	41.61	9.828	15.15	398.5	1366.
Stddev	.094	.24	.481	.88	8.1	58.
%RSD	4.089	.5869	4.899	5.803	2.043	4.257
#1	2.214	41.75	10.25	15.96	407.0	1413.
#2	2.395	41.76	9.305	15.26	390.8	1384.
#3	2.263	41.33	9.924	14.22	397.6	1301.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4128.	1606.	7943.	29.68	25.10	25.31
Stddev	5.	2.	25.	.37	1.31	1.48
%RSD	.1213	.1370	.3107	1.238	5.225	5.845
#1	4134.	1609.	7959.	29.61	23.71	23.92
#2	4125.	1606.	7955.	30.08	26.32	25.14
#3	4126.	1604.	7914.	29.36	25.25	26.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32076-D-1-D MS@1 Acquired: 10/12/2011 14:49:27 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83.08	102.7	24.03	29.65	23.01	22.80
Stddev	1.84	1.8	.32	.05	.18	.33
%RSD	2.213	1.714	1.347	.1806	.7651	1.467
#1	84.87	104.8	24.38	29.69	22.82	22.74
#2	81.20	102.0	23.73	29.67	23.05	23.16
#3	83.18	101.4	23.99	29.59	23.17	22.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	22.57	40.95	20.48
Stddev	.44	.12	1.39
%RSD	1.928	.3021	6.781
#1	22.78	40.81	22.09
#2	22.87	41.04	19.71
#3	22.07	41.00	19.65

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2501.5	34330.	4514.6
Stddev	3.6	75.	6.8
%RSD	.14569	.21720	.14969
#1	2504.6	34291.	4522.4
#2	2502.5	34283.	4511.0
#3	2497.5	34416.	4510.3

Sample Name: CCV Acquired: 10/12/2011 14:53:06 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121100.	2419.	1199.	9816.	984.7	125200.
Stddev	523.	3.	1.	5.	3.5	477.
%RSD	.4316	.1321	.0966	.0558	.3507	.3812

#1	120500.	2416.	1198.	9809.	981.0	124700.
#2	121400.	2422.	1199.	9819.	987.8	125600.
#3	121300.	2420.	1201.	9819.	985.4	125400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1225.	2414.	4970.	12310.	104600.	49900.
Stddev	1.	4.	12.	35.	664.	220.
%RSD	.0872	.1820	.2411	.2829	.6343	.4406

#1	1224.	2410.	4957.	12280.	104000.	49710.
#2	1225.	2414.	4980.	12350.	105300.	50140.
#3	1226.	2418.	4973.	12320.	104500.	49840.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122500.	5168.	126300.	2454.	7290.	979.5
Stddev	241.	19.	612.	3.	10.	3.1
%RSD	.1966	.3685	.4846	.1057	.1434	.3192

#1	122300.	5153.	125600.	2452.	7279.	977.4
#2	122700.	5189.	126700.	2453.	7291.	983.1
#3	122500.	5161.	126600.	2456.	7300.	978.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 14:53:06 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2375.	2463.	2592.	2398.	960.9	2439.
Stddev	7.	5.	17.	5.	2.4	2.
%RSD	.3023	.2007	.6565	.2104	.2533	.0898

#1	2369.	2459.	2579.	2393.	958.6	2437.
#2	2383.	2462.	2612.	2399.	960.7	2441.
#3	2372.	2469.	2586.	2403.	963.5	2440.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	967.7	5057.	9619.
Stddev	2.3	21.	30.
%RSD	.2377	.4181	.3081

#1	965.6	5033.	9585.
#2	970.2	5073.	9634.
#3	967.3	5065.	9637.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2294.5	31455.	4393.1
Stddev	4.6	42.	5.3
%RSD	.20257	.13490	.12060

#1	2289.7	31409.	4396.3
#2	2294.8	31492.	4387.0
#3	2299.0	31463.	4396.1

Sample Name: CCB Acquired: 10/12/2011 14:56:24 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.834	.7248	-.5677	.3920	-.0080	32.54
Stddev	8.371	1.492	.3468	.2775	.0457	24.90
%RSD	143.5	205.8	61.10	70.80	573.1	76.53
#1	-3.586	-.0765	-.1876	.6964	.0446	29.10
#2	12.42	2.446	-.8671	.3265	-.0378	58.98
#3	8.667	-.1949	-.6484	.1530	-.0308	9.537

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0233	.2827	.7198	1.341	4.075	225.1
Stddev	.0766	.1725	.6265	.203	5.372	45.1
%RSD	329.1	61.01	87.04	15.14	131.8	20.01
#1	.0798	.0863	1.277	1.573	6.428	216.6
#2	.0540	.4094	.0415	1.196	-2.073	184.9
#3	-.0640	.3524	.8411	1.253	7.869	273.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.51	.2921	77.14	.1469	.5031	2.555
Stddev	3.07	.2074	13.11	.2425	.5816	.544
%RSD	29.23	71.03	16.99	165.1	115.6	21.31
#1	12.76	.4686	89.38	.0100	.6982	1.971
#2	11.77	.3440	78.72	.4269	-.1509	3.049
#3	7.012	.0636	63.31	.0037	.9620	2.644

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 14:56:24 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.572	2.344	-.0707	-.0187	.6716	.9884
Stddev	1.069	.674	.4989	.2288	1.001	.5452
%RSD	68.02	28.74	705.9	1221.	149.0	55.16
#1	-1.258	2.548	.1755	.1160	1.812	1.560
#2	-.6944	1.592	.2573	.1108	.2617	.9299
#3	-2.762	2.893	-.6448	-.2829	-.0591	.4748

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.4183	.1007	-.4919
Stddev	.3431	.0854	1.430
%RSD	82.03	84.74	290.8
#1	.0266	.1622	-.0651
#2	.6660	.1367	.6765
#3	.5624	.0033	-2.087

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2502.2	34469.	4516.1
Stddev	3.2	87.	20.6
%RSD	.12804	.25310	.45563
#1	2504.5	34569.	4520.6
#2	2503.6	34424.	4534.0
#3	2498.6	34413.	4493.6

Sample Name: pds 460-32076-D-1-B@ Acquired: 10/12/2011 15:00:08 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1752.	1694.	46.25	1762.	43.75	22000.
Stddev	13.	2.	.37	1.	.23	44.
%RSD	.7380	.1285	.8031	.0710	.5212	.1996

#1	1765.	1693.	46.45	1762.	43.52	21960.
#2	1751.	1693.	45.82	1763.	43.98	22040.
#3	1739.	1697.	46.48	1761.	43.75	22010.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.34	457.0	178.5	223.7	1269.	17970.
Stddev	.03	.8	.4	3.9	7.	41.
%RSD	.0566	.1819	.2326	1.734	.5846	.2298

#1	44.33	457.2	178.6	219.8	1277.	17920.
#2	44.33	457.8	178.9	223.9	1262.	17990.
#3	44.37	456.1	178.1	227.5	1268.	17990.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20460.	1984.	24540.	454.7	452.1	433.7
Stddev	29.	3.	56.	1.1	.4	2.6
%RSD	.1405	.1568	.2290	.2517	.0885	.5954

#1	20480.	1987.	24480.	455.2	451.7	431.4
#2	20470.	1983.	24570.	455.5	452.5	436.5
#3	20420.	1981.	24580.	453.4	452.1	433.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-32076-D-1-B@ Acquired: 10/12/2011 15:00:08 Type: Unk
 Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1663.	1862.	457.5	441.1	440.3	432.0
Stddev	4.	2.	1.8	.7	1.3	.5
%RSD	.2496	.1090	.3850	.1681	.2966	.1233
#1	1660.	1863.	458.3	441.3	441.3	432.6
#2	1661.	1860.	455.5	441.8	440.8	432.0
#3	1668.	1863.	458.7	440.3	438.8	431.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	438.6	453.8	432.1
Stddev	2.6	.8	1.0
%RSD	.6019	.1778	.2250
#1	440.7	452.9	431.3
#2	439.6	454.4	431.8
#3	435.7	454.1	433.1

Check ? Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2454.8	33759.	4483.8
Stddev	6.5	114.	32.7
%RSD	.26323	.33843	.72856
#1	2461.7	33634.	4521.1
#2	2454.0	33857.	4469.6
#3	2448.8	33785.	4460.6

Sample Name: 460-32163-D-2-A@2 Acquired: 10/12/2011 15:03:30 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.00	37.41	-5743	80.16	.0197	32460.
Stddev	19.63	2.55	.4432	.06	.1358	32.
%RSD	98.15	6.827	77.17	.0771	688.3	.0993

#1	20.14	37.15	-.6600	80.19	.0724	32420.
#2	39.55	40.09	-.0946	80.20	.1213	32470.
#3	.2994	35.00	-.9685	80.09	-.1345	32480.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1701	.2135	.2923	2.361	41730.	10660.
Stddev	.1367	.1648	.1475	3.324	122.	36.
%RSD	80.36	77.22	50.48	140.8	.2932	.3421

#1	-.1842	.0638	.1900	5.344	41590.	10620.
#2	-.0269	.3902	.4614	2.963	41760.	10680.
#3	-.2991	.1864	.2254	-1.223	41830.	10690.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8832.	48.67	16910.	7.182	-.3696	1.068
Stddev	13.	.09	19.	.384	.5239	3.643
%RSD	.1514	.1885	.1125	5.348	141.8	341.3

#1	8829.	48.57	16900.	7.556	-.9307	2.825
#2	8847.	48.75	16930.	6.789	.1068	3.499
#3	8821.	48.69	16910.	7.200	-.2849	-3.121

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32163-D-2-A@2 Acquired: 10/12/2011 15:03:30 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8294	.1970	4.676	9.415	267.4	.3058
Stddev	.9264	.9324	.303	.249	.7	.3370
%RSD	111.7	473.3	6.482	2.640	.2498	110.2
#1	-1.860	1.206	4.876	9.371	267.8	.3872
#2	-.0671	.0175	4.327	9.683	267.8	-.0645
#3	-.5605	-.6326	4.826	9.192	266.6	.5946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.9304	166.7	-5.805
Stddev	.2570	.1	1.819
%RSD	27.62	.0512	31.33
#1	.6475	166.6	-5.873
#2	1.149	166.7	-3.953
#3	.9945	166.8	-7.589

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2469.8	33976.	4554.2
Stddev	4.9	121.	10.0
%RSD	.19989	.35734	.21932
#1	2475.5	34040.	4551.8
#2	2466.8	33836.	4545.6
#3	2467.1	34052.	4565.2

Sample Name: MB 460-88751/1-A@2 Acquired: 10/12/2011 15:07:06 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10.44	1.217	-1.318	.0995	-.0018	17.00
Stddev	9.59	1.162	.731	.0932	.1344	4.15
%RSD	91.78	95.52	55.42	93.68	7488.	24.41

#1	-16.22	.0387	-1.199	.0271	.1082	21.61
#2	.6211	1.249	-2.101	.0666	-.1516	13.56
#3	-15.73	2.363	-.6549	.2046	.0380	15.84

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0183	-.3369	.0792	4.439	14.04	204.5
Stddev	.0973	.2221	.3653	.430	13.92	33.1
%RSD	531.2	65.94	461.4	9.682	99.20	16.18

#1	.1275	-.2260	-.1115	3.975	-1.827	222.6
#2	-.0594	-.1920	-.1514	4.824	24.23	166.3
#3	-.0131	-.5926	.5004	4.519	19.70	224.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.412	.0221	61.30	.2011	1.248	1.081
Stddev	1.332	.0174	8.93	.2903	1.776	2.361
%RSD	94.38	78.74	14.57	144.3	142.4	218.3

#1	1.218	.0143	51.01	.2847	-.6384	1.211
#2	2.830	.0421	67.00	.4405	2.889	-1.342
#3	.1867	.0100	65.90	-.1218	1.492	3.375

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-88751/1-A@2 Acquired: 10/12/2011 15:07:06 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.906	2.540	.1365	.6409	-.3280	.2551
Stddev	3.582	1.643	.8853	.1596	.6150	.2589
%RSD	123.2	64.68	648.6	24.90	187.5	101.5
#1	.6996	4.401	1.050	.5226	.3754	.3619
#2	-6.463	1.287	.0777	.5776	-.5953	-.0401
#3	-2.955	1.934	-.7179	.8224	-.7640	.4434

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.0651	-.0699	-1.010
Stddev	.2830	.0941	1.083
%RSD	434.7	134.7	107.2
#1	.1107	-.0488	-2.073
#2	-.3915	.0119	.0922
#3	.0855	-.1728	-1.050

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2501.3	34528.	4491.6
Stddev	3.6	42.	9.6
%RSD	.14559	.12283	.21447
#1	2505.5	34555.	4498.7
#2	2499.7	34479.	4480.6
#3	2498.8	34550.	4495.4

Sample Name: MB 460-89225/1-A Acquired: 10/12/2011 15:10:48 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-11.57	-.0051	-.6986	.0456	-.0007	22.27
Stddev	7.13	1.501	.2273	.0442	.0571	8.01
%RSD	61.57	29210.	32.54	96.93	7916.	35.98
#1	-16.78	-.9560	-.7754	.0058	.0590	21.12
#2	-3.452	-.7843	-.8775	.0378	-.0064	14.89
#3	-14.48	1.725	-.4428	.0931	-.0547	30.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0476	-.1106	.4775	-1.543	-6.719	204.6
Stddev	.1000	.2533	.1089	4.230	9.395	40.7
%RSD	210.0	229.0	22.82	274.2	139.8	19.89
#1	-.0476	.1693	.5461	.2184	-9.257	251.2
#2	-.1477	-.3241	.3519	1.522	-14.58	175.9
#3	.0524	-.1770	.5344	-6.369	3.684	186.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2658	-.0587	54.78	.1374	.4872	3.024
Stddev	3.828	.0265	11.42	.7387	.4210	.925
%RSD	1440.	45.09	20.84	537.7	86.43	30.60
#1	-3.703	-.0505	65.17	.0136	.9643	4.087
#2	.5654	-.0882	56.60	-.5315	.3294	2.582
#3	3.935	-.0373	42.56	.9301	.1678	2.402

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-89225/1-A Acquired: 10/12/2011 15:10:48 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2297	1.087	.1418	-.0862	-.2266	.0870
Stddev	1.208	.629	.4793	.1640	.6662	.1929
%RSD	525.9	57.83	338.1	190.2	294.0	221.6
#1	-.3825	.4214	.2860	.1030	-.9741	.0748
#2	-.5499	1.169	.5324	-.1877	.3044	.2858
#3	1.622	1.671	-.3931	-.1739	-.0101	-.0994

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.1568	-.1125	-.4886
Stddev	.3804	.1261	1.152
%RSD	242.7	112.1	235.7
#1	-.5749	-.1952	-1.755
#2	.1689	-.1750	-.2066
#3	-.0643	.0327	.4959

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2494.6	34554.	4501.9
Stddev	8.5	192.	36.3
%RSD	.34166	.55519	.80711
#1	2498.8	34710.	4529.5
#2	2500.2	34612.	4460.8
#3	2484.8	34339.	4515.5

Sample Name: LCS 460-89225/2-A Acquired: 10/12/2011 15:14:30 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1917.	1871.	47.32	1975.	49.27	20440.
Stddev	13.	3.	.06	1.	.14	43.
%RSD	.6941	.1427	.1318	.0680	.2905	.2115

#1	1911.	1870.	47.27	1974.	49.34	20480.
#2	1933.	1869.	47.39	1975.	49.36	20450.
#3	1908.	1874.	47.30	1977.	49.11	20400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.67	496.8	201.3	251.7	1055.	19910.
Stddev	.07	.2	.3	4.0	13.	64.
%RSD	.1477	.0403	.1674	1.570	1.274	.3240

#1	49.60	496.6	201.5	247.5	1067.	19980.
#2	49.67	497.0	201.0	252.4	1041.	19890.
#3	49.75	496.9	201.6	255.3	1057.	19850.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19360.	528.4	20140.	506.2	507.3	483.3
Stddev	19.	.3	8.	.7	1.8	1.4
%RSD	.0977	.0576	.0377	.1292	.3571	.2839

#1	19340.	528.1	20140.	506.0	505.2	483.8
#2	19370.	528.7	20140.	505.8	508.4	481.8
#3	19370.	528.3	20150.	507.0	508.4	484.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: LCS 460-89225/2-A Acquired: 10/12/2011 15:14:30 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1847.	2078.	511.6	485.8	488.6	489.2
Stddev	2.	2.	1.5	.5	.3	.8
%RSD	.0839	.1137	.3000	.0941	.0552	.1577

#1	1849.	2076.	512.5	485.9	488.9	489.3
#2	1847.	2078.	512.3	485.2	488.4	489.9
#3	1846.	2081.	509.8	486.1	488.4	488.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	490.7	489.9	485.0
Stddev	1.2	1.2	1.7
%RSD	.2410	.2399	.3405

#1	489.6	489.9	483.2
#2	491.9	491.0	486.4
#3	490.5	488.7	485.4

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2460.6	34016.	4532.9
Stddev	6.8	77.	19.7
%RSD	.27768	.22756	.43426

#1	2457.4	33976.	4535.8
#2	2468.4	33967.	4511.9
#3	2455.9	34106.	4551.0

Sample Name: 460-32121-A-21-D DU Acquired: 10/12/2011 15:17:52 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2030.	-2.626	-9795	F 35510.	.0258	F 437300.
Stddev	30.	1.403	.1355	27.	.0318	128.
%RSD	1.496	53.43	13.83	.0759	123.2	.0292

#1	2053.	-1.854	-.8331	35490.	.0304	437200.
#2	2042.	-4.245	-1.100	35540.	.0551	437400.
#3	1996.	-1.779	-1.005	35510.	-.0080	437300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit				20000.		250000.
Low Limit				-1000.		-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0444	8.514	798.7	6.332	804.5	2161.
Stddev	.0360	.185	1.5	2.376	13.8	36.
%RSD	81.01	2.175	.1820	37.52	1.714	1.661

#1	-.0857	8.331	797.1	4.844	814.7	2197.
#2	-.0273	8.510	799.9	9.073	809.9	2161.
#3	-.0202	8.701	799.2	5.080	788.8	2125.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	575.4	14.20	14130.	8.335	13.29	7.913
Stddev	3.9	.13	54.	.268	2.13	.958
%RSD	.6768	.9476	.3802	3.219	16.02	12.11

#1	579.9	14.35	14070.	8.632	15.42	6.975
#2	573.5	14.16	14160.	8.261	13.31	7.874
#3	572.8	14.08	14170.	8.112	11.16	8.890

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-21-D DU Acquired: 10/12/2011 15:17:52 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2670	.4539	3.047	65.48	43.30	.5523
Stddev	1.448	.7789	.589	.20	1.14	.0842
%RSD	542.1	171.6	19.33	.3021	2.633	15.25
#1	-1.476	.0496	3.491	65.26	44.61	.6432
#2	-.6623	-.0397	3.272	65.65	42.65	.4769
#3	1.337	1.352	2.379	65.53	42.63	.5368

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.6182	7919.	47.91
Stddev	.8781	25.	2.35
%RSD	142.0	.3130	4.905
#1	-1.552	7933.	47.61
#2	-.4945	7891.	50.39
#3	.1915	7934.	45.72

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2328.9	31983.	4458.8
Stddev	3.3	50.	12.7
%RSD	.14339	.15565	.28472
#1	2326.8	32041.	4444.2
#2	2327.2	31954.	4467.0
#3	2332.8	31954.	4465.1

Sample Name: 460-32121-A-21-C Acquired: 10/12/2011 15:21:34 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2045.	-1.669	-1.344	F 35570.	.0529	F 437900.
Stddev	24.	2.655	.312	103.	.0817	398.
%RSD	1.163	159.1	23.21	.2901	154.3	.0909

#1	2034.	.9268	-1.614	35670.	.1191	437600.
#2	2072.	-1.555	-1.417	35560.	.0780	438300.
#3	2029.	-4.380	-1.003	35470.	-.0383	437700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit				20000.		250000.
Low Limit				-1000.		-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0244	8.421	797.8	4.389	803.1	2174.
Stddev	.0390	.492	4.4	4.550	18.4	56.
%RSD	159.9	5.840	.5535	103.7	2.286	2.584

#1	.0673	8.989	802.4	5.528	824.2	2152.
#2	.0147	8.137	797.4	-.6226	790.6	2132.
#3	-.0089	8.137	793.6	8.262	794.7	2238.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	570.8	14.14	14120.	8.011	13.88	9.473
Stddev	1.4	.19	50.	.237	1.72	1.352
%RSD	.2448	1.341	.3527	2.959	12.37	14.27

#1	572.2	14.34	14150.	7.961	11.99	10.08
#2	569.4	14.13	14140.	8.269	14.31	10.41
#3	570.9	13.96	14060.	7.803	15.35	7.923

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-21-C Acquired: 10/12/2011 15:21:34 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.7348	1.514	2.596	65.71	44.92	.3769
Stddev	2.862	.606	.401	.32	1.19	.2363
%RSD	389.4	40.02	15.44	.4852	2.656	62.68
#1	1.496	1.659	2.487	65.44	43.62	.4081
#2	-3.961	.8487	2.261	66.06	45.96	.5961
#3	.2603	2.034	3.040	65.64	45.18	.1266

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-1.004	7921.	46.31
Stddev	.962	45.	1.36
%RSD	95.76	.5676	2.937
#1	-1.098	7941.	47.57
#2	-1.915	7952.	44.87
#3	.0009	7869.	46.48

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2328.1	32189.	4456.3
Stddev	1.7	124.	12.5
%RSD	.07125	.38488	.28092
#1	2330.0	32144.	4453.9
#2	2326.9	32095.	4445.3
#3	2327.4	32330.	4469.9

Sample Name: sd 460-32121-A-21-C Acquired: 10/12/2011 15:25:20 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	397.1	.0398	-.3872	7278.	.0211	89410.
Stddev	17.7	2.832	.7358	4.	.1324	339.
%RSD	4.458	7111.	190.0	.0537	626.4	.3791

#1	376.7	-2.030	-.7593	7282.	.0133	89120.
#2	408.5	3.267	-.8627	7276.	.1573	89780.
#3	406.1	-1.118	.4604	7276.	-.1072	89340.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0187	2.140	157.6	4.893	155.4	594.9
Stddev	.0382	.025	.5	1.015	9.2	78.3
%RSD	203.8	1.171	.3404	20.75	5.931	13.17

#1	.0627	2.161	158.2	4.989	152.0	680.4
#2	-.0013	2.147	157.1	5.856	148.3	577.5
#3	-.0052	2.113	157.6	3.832	165.8	526.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	114.9	3.025	2770.	1.890	2.441	4.285
Stddev	3.1	.012	23.	.266	.830	.541
%RSD	2.729	.3850	.8410	14.05	33.98	12.64

#1	117.6	3.037	2758.	1.945	3.136	4.373
#2	111.5	3.024	2755.	1.601	1.523	4.778
#3	115.8	3.014	2796.	2.124	2.665	3.705

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-32121-A-21-C Acquired: 10/12/2011 15:25:20 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.895	3.830	-.2409	14.39	8.637	-.1837
Stddev	3.530	1.282	.1935	.23	.513	.1977
%RSD	186.3	33.48	80.36	1.615	5.937	107.6
#1	-5.966	4.012	-.2017	14.61	8.315	-.0246
#2	.3182	5.012	-.0699	14.15	9.229	-.4051
#3	-.0372	2.466	-.4510	14.40	8.368	-.1214

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.7127	1551.	10.61
Stddev	.5268	3.	.98
%RSD	73.92	.1895	9.278
#1	-.1881	1550.	11.73
#2	-.7084	1554.	9.883
#3	-1.242	1549.	10.22

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2455.8	34042.	4522.8
Stddev	2.9	71.	34.0
%RSD	.11653	.20807	.75250
#1	2458.0	34042.	4535.8
#2	2456.9	34112.	4484.2
#3	2452.6	33971.	4548.5

Sample Name: 460-32121-A-21-E MS Acquired: 10/12/2011 15:29:00 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3879.	1920.	47.29	F 36330.	47.79	F 441200.
Stddev	2.	5.	.95	25.	.10	1047.
%RSD	.0619	.2726	2.012	.0700	.2178	.2374

#1	3878.	1918.	46.83	36360.	47.91	440200.
#2	3882.	1926.	46.66	36310.	47.77	441200.
#3	3877.	1916.	48.39	36320.	47.70	442300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit				20000.		250000.
Low Limit				-1000.		-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.38	485.1	976.2	245.6	1794.	22160.
Stddev	.23	1.0	2.4	.8	17.	39.
%RSD	.4825	.2022	.2479	.3125	.9590	.1754

#1	48.38	485.4	978.6	245.8	1779.	22150.
#2	48.62	485.9	973.8	244.7	1791.	22140.
#3	48.15	484.0	976.3	246.2	1813.	22210.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18980.	529.2	33870.	492.7	496.8	497.5
Stddev	26.	2.1	192.	.4	1.1	1.0
%RSD	.1388	.4032	.5663	.0832	.2289	.2060

#1	18960.	528.1	33650.	493.2	497.6	498.7
#2	18970.	527.7	33950.	492.4	497.3	497.3
#3	19010.	531.6	34010.	492.6	495.5	496.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-21-E MS Acquired: 10/12/2011 15:29:00 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1870.	1964.	513.3	536.4	527.7	480.6
Stddev	9.	7.	4.3	1.3	.5	.4
%RSD	.4942	.3382	.8281	.2490	.0981	.0744
#1	1880.	1970.	511.5	537.5	528.3	481.0
#2	1869.	1965.	510.2	536.6	527.4	480.5
#3	1862.	1957.	518.1	534.9	527.3	480.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	476.4	8175.	526.3
Stddev	2.7	68.	.8
%RSD	.5626	.8296	.1502
#1	479.4	8098.	527.2
#2	474.3	8199.	526.0
#3	475.4	8227.	525.7

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2308.8	31907.	4448.5
Stddev	1.9	170.	8.3
%RSD	.08136	.53237	.18694
#1	2306.7	31851.	4456.1
#2	2309.9	32097.	4439.6
#3	2310.0	31771.	4449.7

Sample Name: pds 460-32121-A-21-C Acquired: 10/12/2011 15:32:36 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3846.	1869.	50.39	F 36520.	46.50	F 444400.
Stddev	19.	2.	.42	83.	.14	815.
%RSD	.5048	.0968	.8312	.2278	.3040	.1834

#1	3861.	1869.	50.87	36600.	46.54	443900.
#2	3824.	1871.	50.23	36520.	46.62	444000.
#3	3853.	1867.	50.09	36430.	46.34	445400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit				20000.		250000.
Low Limit				-1000.		-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.19	471.1	975.1	241.4	1793.	21520.
Stddev	.10	.6	4.3	2.8	12.	13.
%RSD	.2078	.1262	.4455	1.147	.6573	.0617

#1	47.30	471.6	972.7	241.8	1807.	21510.
#2	47.14	471.4	980.1	238.4	1788.	21530.
#3	47.11	470.5	972.4	243.9	1784.	21530.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18520.	518.5	33500.	478.4	484.2	480.5
Stddev	81.	2.9	28.	.8	2.2	2.7
%RSD	.4382	.5598	.0836	.1619	.4592	.5662

#1	18530.	518.1	33500.	478.9	485.6	483.5
#2	18590.	521.6	33480.	478.8	485.3	479.6
#3	18430.	515.8	33530.	477.5	481.6	478.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-32121-A-21-C Acquired: 10/12/2011 15:32:36 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1817.	1871.	501.9	523.2	515.8	466.5
Stddev	14.	5.	2.3	.9	2.3	1.0
%RSD	.7439	.2557	.4596	.1710	.4451	.2231
#1	1833.	1876.	502.1	524.1	518.2	467.3
#2	1808.	1868.	504.2	523.2	515.7	466.9
#3	1811.	1868.	499.6	522.3	513.6	465.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	461.2	8130.	511.7
Stddev	.9	82.	2.3
%RSD	.2012	1.006	.4449
#1	461.4	8084.	510.2
#2	462.0	8082.	510.6
#3	460.1	8225.	514.3

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2307.8	31764.	4441.3
Stddev	3.8	134.	10.1
%RSD	.16423	.42128	.22645
#1	2309.1	31809.	4447.3
#2	2310.8	31613.	4446.9
#3	2303.6	31869.	4429.7

Sample Name: CCV Acquired: 10/12/2011 15:36:18 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120900.	2409.	1197.	9770.	984.1	124900.
Stddev	370.	3.	.	10.	.9	392.
%RSD	.3062	.1177	.0278	.1064	.0910	.3138

#1	120500.	2406.	1196.	9772.	983.2	124500.
#2	121100.	2409.	1197.	9779.	984.2	125000.
#3	121200.	2412.	1197.	9759.	985.0	125300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1219.	2402.	4954.	12300.	104100.	49790.
Stddev	2.	3.	10.	16.	592.	102.
%RSD	.1356	.1117	.2054	.1334	.5689	.2056

#1	1220.	2400.	4948.	12280.	104500.	49710.
#2	1220.	2405.	4948.	12320.	103400.	49760.
#3	1217.	2400.	4966.	12310.	104400.	49910.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121400.	5158.	125700.	2440.	7247.	975.3
Stddev	198.	19.	399.	3.	13.	1.4
%RSD	.1630	.3695	.3174	.1369	.1750	.1435

#1	121300.	5161.	125300.	2441.	7247.	976.9
#2	121300.	5137.	125700.	2443.	7260.	974.6
#3	121700.	5175.	126100.	2436.	7235.	974.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 15:36:18 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2356.	2443.	2588.	2387.	959.2	2431.
Stddev	5.	8.	14.	4.	.5	2.
%RSD	.1948	.3242	.5241	.1772	.0494	.0717
#1	2359.	2448.	2592.	2390.	959.6	2432.
#2	2359.	2447.	2573.	2389.	959.2	2433.
#3	2351.	2434.	2600.	2382.	958.7	2430.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	964.8	5047.	9601.
Stddev	4.7	8.	12.
%RSD	.4912	.1684	.1224
#1	960.7	5039.	9589.
#2	970.0	5047.	9602.
#3	963.8	5056.	9613.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2298.5	31521.	4401.9
Stddev	5.3	155.	33.3
%RSD	.23098	.49125	.75675
#1	2293.7	31425.	4439.3
#2	2297.4	31699.	4375.5
#3	2304.2	31438.	4390.9

Sample Name: CCB Acquired: 10/12/2011 15:39:37 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3428	-.6246	-.3768	1.297	.1418	34.37
Stddev	17.51	.9958	.3428	.669	.0914	13.84
%RSD	5108.	159.4	90.98	51.55	64.50	40.26

#1	20.41	-.5822	-.1475	1.987	.1129	19.07
#2	-7.568	.3492	-.2121	1.254	.2442	46.02
#3	-11.82	-1.641	-.7709	.6511	.0682	38.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0156	.3930	.9494	3.771	-.5069	228.3
Stddev	.0077	.1227	.2993	2.316	8.462	22.6
%RSD	49.13	31.22	31.53	61.41	1670.	9.877

#1	.0225	.4260	1.191	1.623	5.829	212.6
#2	.0074	.2572	1.042	6.225	2.767	254.1
#3	.0170	.4959	.6146	3.466	-10.12	218.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.084	.2159	87.95	.2836	.5460	1.018
Stddev	3.681	.1317	17.31	.2476	1.009	2.522
%RSD	72.40	60.99	19.68	87.30	184.8	247.8

#1	9.222	.3444	102.9	.5623	.9033	3.887
#2	3.859	.2220	68.97	.1993	-.5929	.0197
#3	2.172	.0813	92.02	.0892	1.328	-.8528

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 15:39:37 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4237	1.471	-2216	.0092	1.412	1.064
Stddev	2.392	1.687	.2170	.1776	.105	.531
%RSD	564.6	114.7	97.93	1939.	7.399	49.88
#1	-2.146	-.2068	-.2413	.1404	1.533	1.672
#2	2.308	3.167	.0046	.0800	1.349	.8336
#3	-1.433	1.452	-.4282	-.1929	1.355	.6879

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.2369	.2898	.6980
Stddev	1.103	.2133	2.291
%RSD	465.7	73.60	328.2
#1	.6142	.5118	-1.764
#2	1.102	.2710	1.092
#3	-1.006	.0865	2.767

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2508.0	34620.	4509.0
Stddev	4.5	156.	12.5
%RSD	.17896	.44930	.27782
#1	2511.5	34794.	4522.2
#2	2502.9	34571.	4507.8
#3	2509.5	34494.	4497.2

Sample Name: 460-31926-A-1-C Acquired: 10/12/2011 15:43:21 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4913.	4.431	-.3456	298.5	.3184	7940.
Stddev	50.	2.569	.6066	.2	.0994	18.
%RSD	1.014	57.97	175.5	.0700	31.21	.2327

#1	4865.	5.174	.2639	298.7	.2040	7957.
#2	4909.	1.573	-.3514	298.4	.3684	7921.
#3	4964.	6.547	-.9493	298.3	.3828	7944.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0724	2.398	16.25	13.23	4635.	2759.
Stddev	.0257	.351	.20	3.92	77.	61.
%RSD	35.47	14.66	1.205	29.64	1.659	2.221

#1	-.0446	2.767	16.17	16.12	4582.	2787.
#2	-.0773	2.357	16.10	14.80	4599.	2689.
#3	-.0952	2.068	16.47	8.765	4723.	2801.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2989.	61.11	25310.	11.03	5.053	.8572
Stddev	23.	.39	116.	.30	1.982	1.688
%RSD	.7550	.6359	.4572	2.684	39.23	196.9

#1	2968.	60.75	25430.	11.33	7.232	-1.051
#2	2986.	61.05	25200.	10.73	4.573	1.468
#3	3013.	61.52	25310.	11.04	3.355	2.154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31926-A-1-C Acquired: 10/12/2011 15:43:21 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.531	1.172	8.128	22.24	177.3	.6712
Stddev	1.414	3.045	.047	.21	.8	.0974
%RSD	55.90	259.8	.5736	.9232	.4661	14.52
#1	-4.134	-.2411	8.145	22.34	177.4	.7837
#2	-1.996	4.667	8.163	22.38	176.4	.6179
#3	-1.461	-.9098	8.075	22.01	178.1	.6120

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.6841	57.34	144.5
Stddev	.5932	.16	3.5
%RSD	86.71	.2866	2.433
#1	.1105	57.53	143.0
#2	.6468	57.27	141.9
#3	1.295	57.22	148.5

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2520.9	34523.	4567.4
Stddev	3.6	36.	22.7
%RSD	.14321	.10512	.49730
#1	2523.9	34564.	4546.2
#2	2521.9	34493.	4591.3
#3	2516.9	34512.	4564.6

Sample Name: 460-31926-A-2-C Acquired: 10/12/2011 15:47:00 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8059.	2.202	-.9015	58.60	.3869	4547.
Stddev	89.	3.179	.5415	.13	.0483	26.
%RSD	1.110	144.3	60.07	.2163	12.47	.5743

#1	8027.	-1.098	-.5573	58.49	.3736	4559.
#2	7990.	2.461	-1.526	58.74	.4404	4565.
#3	8160.	5.244	-.6214	58.58	.3467	4517.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0142	3.422	10.79	8.629	7249.	2796.
Stddev	.0404	.079	.34	1.669	120.	17.
%RSD	284.3	2.303	3.181	19.34	1.659	.6062

#1	-.0286	3.337	10.97	8.236	7162.	2776.
#2	.0197	3.493	10.40	10.46	7200.	2805.
#3	.0515	3.436	11.01	7.191	7387.	2806.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2748.	179.1	18910.	9.535	13.80	2.910
Stddev	18.	.7	114.	.188	.52	1.547
%RSD	.6407	.4074	.6038	1.974	3.760	53.17

#1	2738.	178.7	18850.	9.677	14.36	2.601
#2	2738.	178.6	19040.	9.322	13.70	4.588
#3	2768.	179.9	18840.	9.606	13.34	1.541

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31926-A-2-C Acquired: 10/12/2011 15:47:00 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2032	2.175	14.70	31.75	157.9	.5236
Stddev	1.385	1.480	.62	.29	.3	.3277
%RSD	681.8	68.08	4.235	.9129	.1705	62.59
#1	.5571	3.770	14.00	31.42	158.1	.9019
#2	-1.802	.8448	15.20	31.95	157.9	.3410
#3	.6355	1.909	14.90	31.88	157.6	.3279

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1.012	16.28	262.8
Stddev	.502	.22	6.2
%RSD	49.66	1.339	2.368
#1	.6308	16.04	255.6
#2	1.581	16.34	265.8
#3	.8231	16.46	266.9

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2519.9	34695.	4590.1
Stddev	.5	76.	17.8
%RSD	.01921	.21801	.38838
#1	2520.4	34737.	4610.6
#2	2519.4	34741.	4578.2
#3	2520.0	34608.	4581.5

Sample Name: 460-31926-A-3-C Acquired: 10/12/2011 15:50:38 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4094.	.8112	-.7847	21.34	.2873	5176.
Stddev	43.	1.976	.5710	.16	.0930	27.
%RSD	1.056	243.6	72.77	.7621	32.35	.5288

#1	4049.	.1949	-.4262	21.36	.3925	5151.
#2	4096.	-.7830	-1.443	21.17	.2533	5205.
#3	4135.	3.022	-.4848	21.49	.2162	5171.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0432	1.082	6.404	6.606	3768.	2057.
Stddev	.0637	.106	.475	8.149	46.	6.
%RSD	147.3	9.801	7.415	123.4	1.212	.3131

#1	-.0424	1.070	6.127	8.036	3729.	2057.
#2	.0200	1.194	6.953	-2.164	3757.	2051.
#3	-.1074	.9831	6.133	13.95	3818.	2064.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1767.	46.95	30920.	6.641	5.655	3.211
Stddev	12.	.40	206.	.128	.812	.774
%RSD	.6906	.8480	.6665	1.931	14.36	24.09

#1	1760.	46.61	30780.	6.613	6.448	3.898
#2	1760.	46.86	31160.	6.781	5.692	3.362
#3	1781.	47.39	30830.	6.530	4.825	2.373

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31926-A-3-C Acquired: 10/12/2011 15:50:38 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8348	.6801	6.792	15.59	247.6	.2662
Stddev	1.903	.8003	.175	.25	.9	.0586
%RSD	227.9	117.7	2.572	1.619	.3800	22.03
#1	.9672	-.2414	6.601	15.65	248.0	.3276
#2	-2.824	1.200	6.945	15.32	246.5	.2107
#3	-.6474	1.082	6.829	15.81	248.3	.2605

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.6806	13.05	113.0
Stddev	.2475	.09	1.3
%RSD	36.36	.7113	1.172
#1	.5948	13.01	113.3
#2	.9596	13.15	111.6
#3	.4876	12.98	114.2

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2502.0	34412.	4559.8
Stddev	4.0	82.	29.5
%RSD	.15925	.23887	.64622
#1	2499.5	34474.	4584.4
#2	2506.6	34444.	4527.1
#3	2499.9	34319.	4568.0

Sample Name: 460-31926-A-4-C Acquired: 10/12/2011 15:54:16 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6044.	3.257	-.0375	159.3	.4451	5631.
Stddev	99.	3.176	.9061	.6	.0658	11.
%RSD	1.633	97.51	2418.	.3540	14.79	.1970

#1	5977.	.3984	.6762	158.6	.5194	5621.
#2	5997.	2.696	.2683	159.4	.3942	5630.
#3	6157.	6.675	-1.057	159.7	.4216	5643.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0893	2.823	21.40	74.29	4969.	3842.
Stddev	.0971	.230	.29	2.69	91.	73.
%RSD	108.8	8.133	1.360	3.618	1.830	1.899

#1	.1866	2.999	21.69	74.87	4894.	3809.
#2	.0889	2.906	21.10	76.64	4943.	3791.
#3	-.0077	2.563	21.41	71.36	5070.	3925.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2829.	72.62	23610.	9.738	30.57	2.505
Stddev	18.	.43	48.	.089	1.74	1.677
%RSD	.6282	.5870	.2039	.9142	5.696	66.94

#1	2813.	72.16	23560.	9.676	28.78	.9706
#2	2826.	72.71	23610.	9.697	32.25	2.249
#3	2848.	73.00	23660.	9.840	30.70	4.295

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31926-A-4-C Acquired: 10/12/2011 15:54:16 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.687	1.320	7.913	101.2	144.6	.5635
Stddev	.554	1.500	.344	.3	.9	.2471
%RSD	32.86	113.6	4.344	.2966	.6279	43.85
#1	-1.105	3.005	8.280	100.9	144.5	.4044
#2	-2.209	.1307	7.599	101.5	145.6	.8481
#3	-1.745	.8252	7.859	101.2	143.8	.4379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1.951	15.78	203.2
Stddev	.231	.02	2.6
%RSD	11.82	.1364	1.297
#1	2.021	15.81	200.7
#2	2.139	15.77	203.0
#3	1.694	15.77	205.9

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2519.4	34604.	4572.4
Stddev	2.9	62.	23.4
%RSD	.11706	.18024	.51287
#1	2522.8	34669.	4551.5
#2	2518.2	34545.	4597.7
#3	2517.2	34599.	4568.0

Sample Name: 460-31926-A-5-C Acquired: 10/12/2011 15:57:53 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4378.	2.781	-1.178	71.16	.3652	11020.
Stddev	3.	2.842	.771	.22	.1092	21.
%RSD	.0618	102.2	65.48	.3047	29.91	.1948

#1	4375.	2.004	-.8461	71.37	.4404	11000.
#2	4378.	.4083	-2.060	71.17	.2399	11050.
#3	4381.	5.930	-.6281	70.94	.4152	11020.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0248	2.880	9.247	18.65	3820.	1579.
Stddev	.0833	.204	.251	2.11	10.	39.
%RSD	336.4	7.096	2.715	11.32	.2627	2.479

#1	.0027	2.689	9.358	18.73	3815.	1608.
#2	.1169	2.856	9.423	16.51	3831.	1535.
#3	-.0453	3.096	8.959	20.73	3813.	1595.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1993.	167.2	26170.	10.17	8.511	2.384
Stddev	6.	.4	29.	.47	1.182	2.382
%RSD	.3240	.2214	.1103	4.625	13.89	99.89

#1	2000.	167.5	26190.	10.15	7.475	2.589
#2	1989.	167.3	26180.	9.710	9.799	4.657
#3	1989.	166.8	26140.	10.65	8.259	-.0933

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31926-A-5-C Acquired: 10/12/2011 15:57:53 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.230	1.259	14.51	28.83	143.1	1.508
Stddev	1.364	.382	.27	.22	.8	.188
%RSD	32.24	30.36	1.849	.7589	.5292	12.44
#1	-4.292	1.685	14.39	29.04	142.9	1.401
#2	-2.837	1.145	14.82	28.61	144.0	1.398
#3	-5.562	.9471	14.33	28.85	142.5	1.724

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.7156	35.69	132.4
Stddev	.0897	.17	2.1
%RSD	12.53	.4683	1.596
#1	.6940	35.50	132.3
#2	.6387	35.82	134.6
#3	.8141	35.74	130.3

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2511.8	34564.	4583.4
Stddev	1.9	107.	22.0
%RSD	.07740	.31083	.48060
#1	2511.8	34654.	4603.5
#2	2513.8	34445.	4586.8
#3	2509.9	34592.	4559.8

Sample Name: 460-31926-A-6-C Acquired: 10/12/2011 16:01:31 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	826.1	2.243	-5163	14.08	.0000	10560.
Stddev	5.8	.899	.7297	.02	.080	28.
%RSD	.6973	40.09	141.3	.1610	867400.	.2678

#1	832.8	1.803	.3176	14.08	.0639	10580.
#2	822.6	1.648	-1.038	14.06	.0257	10570.
#3	823.0	3.277	-.8289	14.10	-.0896	10530.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0322	.4848	3.369	2.320	725.5	605.3
Stddev	.0771	.1560	.517	1.993	9.0	11.9
%RSD	239.5	32.17	15.36	85.89	1.245	1.973

#1	-.0017	.3251	3.020	2.911	721.9	601.1
#2	.0250	.6368	3.963	.0987	735.8	618.8
#3	-.1199	.4925	3.122	3.951	718.8	596.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1207.	21.90	24300.	2.973	1.933	2.953
Stddev	5.	.07	60.	.169	1.229	.979
%RSD	.4242	.3407	.2481	5.683	63.60	33.16

#1	1210.	21.98	24360.	2.822	2.263	2.452
#2	1210.	21.88	24290.	2.941	2.964	4.081
#3	1201.	21.84	24240.	3.156	.5725	2.325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31926-A-6-C Acquired: 10/12/2011 16:01:31 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7684	.1584	4.139	7.272	164.7	1.182
Stddev	4.989	1.295	.090	.060	.8	.180
%RSD	649.3	817.2	2.169	.8250	.5040	15.20
#1	1.516	.4205	4.056	7.317	165.7	1.387
#2	2.669	1.302	4.234	7.294	164.2	1.102
#3	-6.491	-1.247	4.128	7.204	164.3	1.056

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.6351	25.91	24.83
Stddev	.4598	.19	2.53
%RSD	72.40	.7218	10.20
#1	-.8472	25.70	22.30
#2	-.9504	25.96	24.84
#3	-.1075	26.07	27.36

Check ? Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2505.1	34473.	4554.2
Stddev	3.3	185.	28.3
%RSD	.13042	.53567	.62205
#1	2503.8	34680.	4521.5
#2	2508.8	34416.	4568.9
#3	2502.6	34324.	4572.1

Sample Name: 460-32121-A-24-C Acquired: 10/12/2011 16:05:11 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1495.	37.84	-3034	3633.	.1121	18030.
Stddev	5.	1.46	.3534	6.	.1260	65.
%RSD	.3483	3.856	116.5	.1522	112.4	.3616

#1	1491.	37.52	-.2149	3627.	-.0324	18070.
#2	1501.	36.56	-.0026	3636.	.1985	18060.
#3	1492.	39.43	-.6926	3638.	.1704	17950.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.485	6.306	972.0	31.19	2594.	556.1
Stddev	.097	.314	1.6	1.50	10.	20.8
%RSD	2.159	4.972	.1626	4.802	.3679	3.746

#1	4.444	6.269	970.5	30.59	2583.	570.7
#2	4.416	6.637	971.8	32.89	2602.	532.3
#3	4.596	6.013	973.6	30.08	2597.	565.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1345.	26.76	12340.	18.06	239.6	14.71
Stddev	6.	.16	11.	.55	.8	1.66
%RSD	.4108	.5966	.0890	3.026	.3347	11.27

#1	1339.	26.72	12340.	17.86	239.3	13.50
#2	1350.	26.63	12360.	18.68	240.6	14.04
#3	1346.	26.94	12330.	17.64	239.1	16.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-24-C Acquired: 10/12/2011 16:05:11 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.305	1.402	14.22	1206.	54.54	1.465
Stddev	2.490	.699	.13	2.	.72	.109
%RSD	108.0	49.87	.9219	.1723	1.313	7.437
#1	-4.045	1.841	14.30	1204.	55.36	1.340
#2	.5473	1.768	14.07	1208.	54.14	1.513
#3	-3.417	.5957	14.29	1206.	54.11	1.542

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	16.87	111.4	69.01
Stddev	.84	.3	3.03
%RSD	4.957	.3044	4.389
#1	15.97	111.7	72.51
#2	17.02	111.6	67.30
#3	17.62	111.1	67.23

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2513.4	34518.	4565.6
Stddev	2.2	93.	26.1
%RSD	.08621	.27065	.57068
#1	2514.3	34626.	4549.3
#2	2515.0	34456.	4551.8
#3	2511.0	34473.	4595.6

Sample Name: LB 460-89111/2-B Acquired: 10/12/2011 16:08:45 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.100	.2643	-.8820	-.0703	-.0812	28.33
Stddev	13.23	.5845	1.342	.0826	.0789	9.73
%RSD	629.9	221.2	152.2	117.6	97.07	34.34

#1	-7.142	-.3400	.6493	.0248	-.0056	17.11
#2	-3.810	.3062	-1.439	-.1110	-.1629	33.39
#3	17.25	.8268	-1.856	-.1246	-.0752	34.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0607	-.0925	.4100	.2140	6.071	213.6
Stddev	.0488	.1758	.2384	1.475	5.182	63.3
%RSD	80.43	190.2	58.15	689.3	85.36	29.62

#1	-.0669	.0179	.3267	1.015	10.07	143.8
#2	-.1060	.0000	.6788	-1.488	7.931	229.9
#3	-.0090	-.2952	.2244	1.115	.2151	267.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3860	.0250	61.03	.0563	.2341	1.609
Stddev	.6371	.0166	8.97	.1084	.2799	1.858
%RSD	165.0	66.53	14.69	192.6	119.6	115.5

#1	.2641	.0247	71.32	-.0641	.2669	1.141
#2	1.075	.0085	54.87	.0870	-.0608	.0299
#3	-.1812	.0418	56.90	.1460	.4961	3.656

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LB 460-89111/2-B Acquired: 10/12/2011 16:08:45 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.178	2.136	-.3537	-.0328	1.236	.2306
Stddev	1.533	1.095	.3020	.1662	.695	.2087
%RSD	130.2	51.25	85.39	507.0	56.20	90.51
#1	-2.458	3.153	-.0615	.1544	.4422	.1170
#2	.5210	2.277	-.3348	-.0897	1.535	.1033
#3	-1.596	.9776	-.6647	-.1630	1.732	.4714

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.0307	-.1272	-1.401
Stddev	.3030	.0372	.907
%RSD	986.8	29.23	64.71
#1	-.3630	-.0895	-.8360
#2	.2305	-.1284	-2.447
#3	.0404	-.1638	-.9204

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2547.6	35202.	4582.5
Stddev	4.7	147.	22.6
%RSD	.18427	.41699	.49377
#1	2547.2	35062.	4556.9
#2	2543.1	35355.	4599.8
#3	2552.5	35190.	4590.8

Sample Name: 460-32121-A-21-D DU@ Acquired: 10/12/2011 16:12:27 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	390.9	-.1975	-.6541	7375.	-.0040	90700.
Stddev	5.5	3.467	.4206	6.	.0137	439.
%RSD	1.399	1756.	64.31	.0822	339.3	.4836

#1	396.9	-3.435	-1.120	7368.	-.0127	90200.
#2	389.6	-.6173	-.3021	7376.	-.0112	90970.
#3	386.2	3.460	-.5403	7380.	.0118	90940.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0372	1.869	160.3	2.206	167.2	601.6
Stddev	.0737	.218	.7	3.292	1.0	39.4
%RSD	198.1	11.66	.4674	149.2	.5991	6.552

#1	-.1029	1.805	160.1	5.798	166.4	643.2
#2	-.0513	1.691	159.7	-.6668	168.3	596.8
#3	.0425	2.112	161.2	1.486	166.9	564.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119.2	2.861	2811.	1.754	2.653	2.728
Stddev	1.6	.041	24.	.528	1.090	1.501
%RSD	1.332	1.414	.8432	30.09	41.10	55.02

#1	119.1	2.831	2784.	1.385	1.777	1.271
#2	120.9	2.907	2821.	1.518	3.874	2.644
#3	117.7	2.845	2828.	2.358	2.309	4.269

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-21-D DU@ Acquired: 10/12/2011 16:12:27 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.486	1.027	.2410	13.25	7.932	-.0697
Stddev	.315	.275	.4566	.12	.230	.2162
%RSD	7.024	26.80	189.5	.8792	2.900	310.1
#1	-4.700	1.194	-.0469	13.37	7.686	-.0473
#2	-4.634	1.177	.0023	13.14	8.142	.1344
#3	-4.124	.7092	.7675	13.24	7.966	-.2963

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.2582	1576.	11.85
Stddev	1.283	7.	.52
%RSD	496.8	.4247	4.395
#1	.8653	1569.	11.45
#2	.0159	1579.	11.66
#3	-1.656	1581.	12.44

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2458.1	33758.	4514.0
Stddev	2.0	56.	27.3
%RSD	.07961	.16702	.60368
#1	2456.7	33810.	4544.1
#2	2457.2	33766.	4506.8
#3	2460.3	33698.	4491.1

Sample Name: 460-32121-A-21-C@5 Acquired: 10/12/2011 16:16:07 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	401.1	2.087	-7889	7534.	-.0965	92390.
Stddev	9.1	.556	.3731	47.	.1039	588.
%RSD	2.267	26.64	47.29	.6266	107.7	.6361

#1	390.6	1.456	-.3604	7482.	.0065	91820.
#2	406.8	2.303	-1.042	7544.	-.2013	92360.
#3	405.8	2.503	-.9646	7575.	-.0947	92990.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0180	2.002	163.8	2.145	163.0	573.8
Stddev	.0590	.257	2.3	.868	8.2	24.4
%RSD	327.0	12.83	1.385	40.48	5.038	4.246

#1	-.0255	1.957	161.2	2.477	153.8	559.8
#2	.0852	1.770	164.7	1.160	169.4	559.8
#3	-.0056	2.278	165.4	2.799	165.9	602.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120.0	2.905	2874.	2.115	3.046	3.851
Stddev	.4	.018	32.	.176	.330	.702
%RSD	.3364	.6225	1.123	8.344	10.83	18.22

#1	119.6	2.908	2837.	2.312	2.741	4.283
#2	119.8	2.922	2890.	2.065	3.001	3.041
#3	120.4	2.886	2895.	1.970	3.397	4.228

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-21-C@5 Acquired: 10/12/2011 16:16:07 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.945	.1244	.1370	13.72	7.740	-.3009
Stddev	.877	.8098	.4362	.24	.835	.1922
%RSD	29.77	650.9	318.5	1.729	10.79	63.88
#1	-3.572	.2211	.4688	13.51	6.802	-.0886
#2	-3.319	-.7294	.2993	13.97	8.403	-.4630
#3	-1.943	.8815	-.3571	13.66	8.015	-.3511

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.2615	1606.	11.74
Stddev	.2854	11.	1.17
%RSD	109.1	.7147	9.983
#1	-.5068	1595.	12.95
#2	-.3294	1606.	11.66
#3	.0518	1618.	10.61

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2471.9	33846.	4513.2
Stddev	6.0	153.	9.7
%RSD	.24470	.45310	.21497
#1	2478.9	34019.	4507.0
#2	2468.7	33727.	4508.3
#3	2468.2	33792.	4524.4

Sample Name: CCV Acquired: 10/12/2011 16:19:50 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121000.	2399.	1194.	9751.	986.2	124800.
Stddev	19.	5.	3.	8.	1.5	117.
%RSD	.0160	.2013	.2267	.0792	.1487	.0938

#1	121000.	2394.	1193.	9746.	986.2	124900.
#2	121000.	2398.	1198.	9746.	987.6	124800.
#3	121000.	2404.	1193.	9760.	984.7	124700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1217.	2397.	4956.	12300.	104900.	49810.
Stddev	1.	2.	11.	13.	418.	142.
%RSD	.0839	.0705	.2275	.1050	.3983	.2858

#1	1218.	2398.	4948.	12300.	104400.	49820.
#2	1216.	2395.	4951.	12320.	105100.	49950.
#3	1217.	2398.	4969.	12290.	105200.	49670.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121500.	5179.	125500.	2434.	7238.	969.4
Stddev	172.	14.	307.	3.	8.	1.4
%RSD	.1416	.2706	.2445	.1282	.1037	.1468

#1	121400.	5165.	125700.	2436.	7243.	969.9
#2	121400.	5180.	125700.	2431.	7229.	970.5
#3	121700.	5193.	125100.	2437.	7241.	967.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 16:19:50 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2358.	2427.	2605.	2384.	953.4	2427.
Stddev	2.	8.	11.	3.	2.1	3.
%RSD	.1042	.3273	.4045	.1223	.2235	.1370
#1	2360.	2437.	2593.	2386.	951.0	2425.
#2	2355.	2424.	2608.	2381.	954.6	2425.
#3	2360.	2422.	2613.	2386.	954.7	2431.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	961.6	5052.	9602.
Stddev	1.8	9.	15.
%RSD	.1872	.1692	.1592
#1	963.0	5057.	9620.
#2	959.6	5056.	9596.
#3	962.3	5042.	9591.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2310.1	31452.	4409.3
Stddev	5.3	139.	11.6
%RSD	.22971	.44041	.26226
#1	2308.7	31598.	4395.9
#2	2315.9	31435.	4415.4
#3	2305.6	31323.	4416.5

Sample Name: CCB Acquired: 10/12/2011 16:23:10 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.513	1.379	-.6904	.6684	.0984	21.42
Stddev	3.098	1.635	.1571	.3185	.1333	12.83
%RSD	47.57	118.5	22.76	47.66	135.5	59.90

#1	9.896	2.645	-.8580	.9460	.0802	34.21
#2	5.830	-.4668	-.6667	.7385	.2398	8.558
#3	3.814	1.960	-.5465	.3206	-.0249	21.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0004	.4070	.7774	1.075	13.61	230.9
Stddev	.1248	.2633	.4860	.054	5.80	20.5
%RSD	28830.	64.70	62.51	5.031	42.61	8.900

#1	.1046	.6962	1.097	1.123	11.70	233.8
#2	.0326	.1811	.2181	1.017	9.012	209.0
#3	-.1384	.3436	1.018	1.086	20.13	249.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.825	.2249	60.66	.1783	-.1772	2.670
Stddev	.438	.1546	6.33	.2440	.9760	.205
%RSD	7.525	68.75	10.44	136.8	550.9	7.692

#1	6.282	.3816	57.59	.1361	-.8727	2.901
#2	5.785	.2206	67.95	.4407	-.5974	2.508
#3	5.408	.0724	56.46	-.0417	.9386	2.601

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 16:23:10 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.737	1.812	-4.136	-.0839	.2271	.7343
Stddev	2.116	1.067	.1550	.1767	.3230	.4723
%RSD	77.32	58.87	37.48	210.7	142.3	64.33
#1	-1.293	2.933	-.5335	.0801	-.1117	1.272
#2	-1.751	1.693	-.2386	-.2710	.5316	.5445
#3	-5.165	.8099	-.4687	-.0607	.2613	.3864

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.1720	.1088	-.0030
Stddev	.3485	.1265	.8617
%RSD	202.6	116.3	28480.
#1	-.2262	.2409	.3420
#2	.3207	.0965	.6327
#3	.4214	-.0111	-.9837

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2505.4	34369.	4488.8
Stddev	8.3	253.	13.9
%RSD	.33122	.73637	.30965
#1	2515.0	34616.	4503.3
#2	2500.3	34380.	4475.6
#3	2500.9	34110.	4487.3

Sample Name: sd 460-32121-A-21-C@ Acquired: 10/12/2011 16:26:55 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	74.92	1.473	-.6342	1455.	-.0150	17840.
Stddev	10.17	1.791	1.402	2.	.0491	15.
%RSD	13.57	121.6	221.1	.1293	327.1	.0853

#1	74.96	2.325	-2.252	1454.	.0244	17860.
#2	64.74	2.679	.2137	1457.	-.0701	17840.
#3	85.07	-.5850	.1361	1455.	.0006	17830.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0652	.3299	31.23	2.688	40.46	291.0
Stddev	.0522	.3318	.34	1.586	4.08	66.4
%RSD	80.08	100.6	1.089	59.01	10.08	22.81

#1	.0049	.5541	31.09	4.152	44.79	234.1
#2	.0958	.4869	31.61	1.003	36.68	275.0
#3	.0949	-.0513	30.97	2.910	39.92	363.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.36	.6275	614.9	.6347	.2705	2.561
Stddev	2.21	.0666	19.1	.2508	1.257	.851
%RSD	9.448	10.61	3.102	39.51	464.8	33.21

#1	21.18	.5606	635.4	.6853	-.9678	1.779
#2	25.59	.6283	597.6	.8563	.2333	2.437
#3	23.30	.6937	611.8	.3625	1.546	3.466

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-32121-A-21-C@ Acquired: 10/12/2011 16:26:55 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.312	2.030	.1334	3.139	1.352	.2194
Stddev	1.454	.288	.4179	.300	.416	.1032
%RSD	62.87	14.21	313.4	9.554	30.76	47.02
#1	-3.164	1.880	.5620	3.479	1.794	.1813
#2	-3.140	1.848	-.2730	2.913	1.293	.3362
#3	-.6337	2.363	.1111	3.026	.9689	.1407

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.1733	307.1	1.715
Stddev	.5251	.5	.635
%RSD	302.9	.1641	37.00
#1	-.4919	307.6	2.393
#2	.4327	306.7	1.135
#3	-.4609	306.9	1.617

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2509.0	34462.	4517.4
Stddev	3.9	77.	19.2
%RSD	.15503	.22350	.42499
#1	2513.0	34439.	4503.0
#2	2505.2	34399.	4510.1
#3	2508.8	34548.	4539.2

Sample Name: 460-32121-A-21-E MS@ Acquired: 10/12/2011 16:30:35 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	791.6	381.2	9.296	7817.	9.894	94370.
Stddev	8.2	5.9	.328	128.	.170	1569.
%RSD	1.034	1.538	3.529	1.641	1.714	1.663

#1	782.1	376.0	9.119	7692.	9.771	92820.
#2	796.5	380.0	9.675	7812.	9.822	94330.
#3	796.1	387.5	9.095	7948.	10.09	95960.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.15	101.9	202.0	50.66	378.5	4596.
Stddev	.17	1.9	4.4	2.17	8.8	66.
%RSD	1.705	1.820	2.177	4.276	2.325	1.441

#1	9.970	100.3	197.8	52.35	370.0	4532.
#2	10.17	101.5	201.6	51.41	377.8	4592.
#3	10.31	103.9	206.5	48.22	387.6	4664.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4030.	111.3	6898.	104.0	105.3	100.2
Stddev	70.	1.9	113.	1.7	2.0	3.4
%RSD	1.727	1.705	1.630	1.650	1.869	3.355

#1	3964.	109.4	6778.	102.2	103.6	96.52
#2	4023.	111.2	6915.	104.2	104.8	103.1
#3	4103.	113.2	7001.	105.6	107.5	100.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-21-E MS@ Acquired: 10/12/2011 16:30:35 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	377.1	428.2	103.1	112.3	107.3	97.90
Stddev	10.1	5.8	2.0	1.6	1.6	1.39
%RSD	2.675	1.353	1.936	1.400	1.487	1.422
#1	368.3	422.7	100.9	110.6	105.8	96.40
#2	375.0	427.5	103.5	112.5	107.2	98.16
#3	388.1	434.3	104.8	113.8	109.0	99.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	98.91	1671.	107.2
Stddev	1.27	29.	2.5
%RSD	1.288	1.737	2.362
#1	97.50	1643.	104.7
#2	99.23	1668.	107.4
#3	99.99	1701.	109.7

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2460.0	33733.	4533.4
Stddev	1.5	70.	3.3
%RSD	.06063	.20721	.07248
#1	2458.6	33804.	4533.1
#2	2461.6	33664.	4536.8
#3	2459.9	33730.	4530.2

Sample Name: pds 460-32121-A-21-C Acquired: 10/12/2011 16:34:08 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2255.	1842.	50.40	8958.	47.44	106800.
Stddev	25.	3.	.53	7.	.18	172.
%RSD	1.095	.1432	1.048	.0744	.3712	.1607

#1	2231.	1840.	50.19	8957.	47.49	106700.
#2	2254.	1845.	50.02	8966.	47.59	107000.
#3	2280.	1841.	51.01	8952.	47.25	106600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.09	474.8	347.8	243.2	1178.	19730.
Stddev	.11	.5	.2	3.2	9.	46.
%RSD	.2350	.1128	.0543	1.322	.7922	.2314

#1	48.14	474.6	347.7	239.7	1189.	19720.
#2	48.16	475.4	348.0	246.1	1174.	19780.
#3	47.96	474.4	347.6	243.6	1172.	19680.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18670.	515.4	22260.	484.5	488.2	470.9
Stddev	8.	.3	68.	.9	2.1	2.3
%RSD	.0402	.0524	.3066	.1820	.4230	.4942

#1	18660.	515.2	22250.	484.7	487.2	473.1
#2	18680.	515.2	22340.	485.2	490.6	471.1
#3	18670.	515.7	22210.	483.5	486.8	468.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-32121-A-21-C Acquired: 10/12/2011 16:34:08 Type: Unk
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1814.	1957.	499.5	482.3	484.6	469.5
Stddev	3.	2.	1.6	.6	.2	.3
%RSD	.1560	.1251	.3195	.1229	.0485	.0703

#1	1816.	1956.	498.4	482.8	484.4	469.2
#2	1815.	1960.	498.8	482.5	484.5	469.4
#3	1811.	1955.	501.3	481.6	484.8	469.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	470.9	1994.	480.5
Stddev	.3	3.	2.3
%RSD	.0596	.1333	.4768

#1	471.2	1993.	480.8
#2	470.6	1997.	482.6
#3	470.8	1992.	478.0

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2432.4	33311.	4490.4
Stddev	4.5	37.	12.5
%RSD	.18354	.11203	.27867

#1	2428.5	33354.	4504.7
#2	2437.3	33291.	4485.0
#3	2431.3	33288.	4481.5

Sample Name: CCV Acquired: 10/12/2011 16:37:32 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120900.	2395.	1195.	9744.	982.2	124300.
Stddev	351.	5.	2.	12.	1.9	275.
%RSD	.2902	.1894	.1736	.1193	.1908	.2212

#1	120600.	2398.	1193.	9748.	981.6	124000.
#2	120800.	2398.	1197.	9754.	980.8	124300.
#3	121300.	2390.	1194.	9731.	984.4	124600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1216.	2397.	4936.	12290.	103900.	49530.
Stddev	1.	4.	16.	23.	341.	56.
%RSD	.0594	.1658	.3143	.1874	.3281	.1137

#1	1216.	2398.	4931.	12270.	103500.	49520.
#2	1216.	2400.	4954.	12290.	104200.	49470.
#3	1215.	2392.	4924.	12310.	104100.	49590.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120900.	5157.	124600.	2430.	7233.	968.2
Stddev	370.	12.	132.	2.	5.	4.9
%RSD	.3060	.2284	.1057	.0983	.0743	.5108

#1	120800.	5148.	124500.	2430.	7235.	970.6
#2	121300.	5153.	124600.	2433.	7237.	971.6
#3	120600.	5170.	124800.	2428.	7227.	962.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 16:37:32 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2348.	2424.	2582.	2385.	953.7	2428.
Stddev	3.	3.	8.	1.	.4	5.
%RSD	.1092	.1058	.3270	.0549	.0460	.2082
#1	2350.	2424.	2573.	2385.	953.3	2427.
#2	2345.	2426.	2588.	2386.	953.7	2434.
#3	2349.	2421.	2587.	2383.	954.2	2424.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	961.0	5025.	9572.
Stddev	3.0	7.	26.
%RSD	.3137	.1488	.2714
#1	959.2	5018.	9550.
#2	964.5	5026.	9566.
#3	959.4	5032.	9601.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2303.0	31577.	4430.4
Stddev	3.4	133.	10.7
%RSD	.14727	.41997	.24192
#1	2300.8	31626.	4429.6
#2	2301.2	31427.	4441.5
#3	2306.9	31678.	4420.1

Sample Name: CCB Acquired: 10/12/2011 16:40:53 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.882	1.769	-7.7100	.2054	-.0122	3.017
Stddev	6.795	.675	.7063	.0884	.0294	13.24
%RSD	98.73	38.18	99.49	43.02	240.5	439.0
#1	.9353	1.015	-.1864	.1514	.0145	-11.68
#2	-11.37	1.974	-.4301	.3074	-.0074	6.716
#3	-10.21	2.318	-1.513	.1575	-.0438	14.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1042	-.0981	.1795	.6023	4.468	218.2
Stddev	.0766	.2249	.3994	1.764	16.51	51.9
%RSD	73.55	229.2	222.5	292.8	369.5	23.76
#1	.0664	.1471	-.1165	2.249	-9.487	230.8
#2	.1923	-.1469	.0211	-1.259	22.69	262.7
#3	.0538	-.2946	.6339	.8166	.1954	161.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.706	.0829	60.48	.3565	1.437	2.060
Stddev	2.585	.0464	14.52	.1668	1.068	.137
%RSD	95.54	55.98	24.01	46.79	74.28	6.629
#1	5.653	.0309	71.91	.4412	2.564	1.943
#2	.8221	.1203	44.14	.4640	1.307	2.027
#3	1.642	.0975	65.38	.1644	.4408	2.210

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 16:40:53 Type: QC
Method: SW84610112011(v15) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

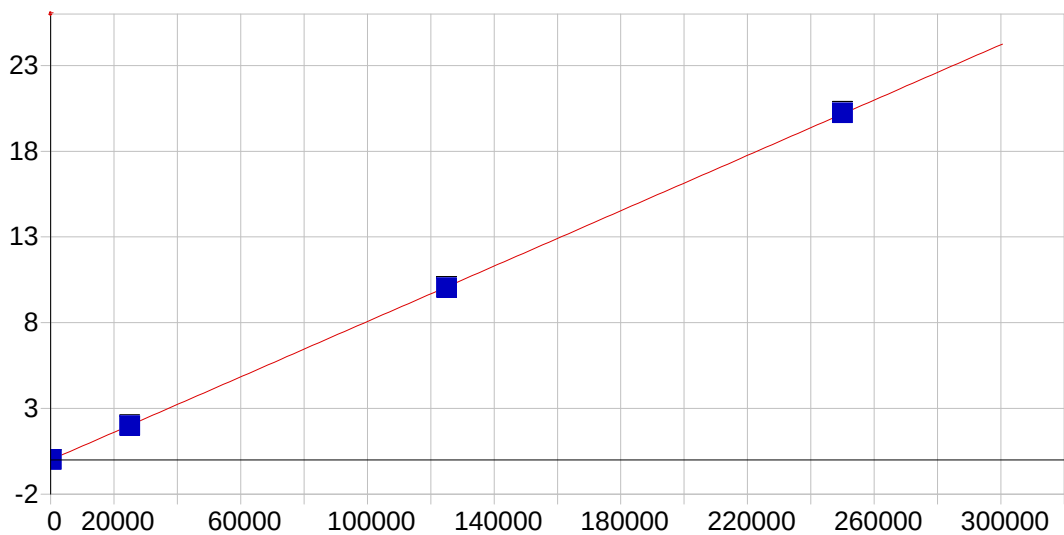
Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9465	2.947	-.0918	-.2638	.9255	1.045
Stddev	2.713	.839	.0516	.0620	.7684	.440
%RSD	286.7	28.48	56.16	23.51	83.03	42.13
#1	-2.529	3.710	-.1041	-.2032	1.623	1.451
#2	2.186	2.048	-.0352	-.2611	.1017	1.106
#3	-2.497	3.081	-.1361	-.3271	1.052	.5772

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	-.5472	.0032	-.1134
Stddev	.8555	.0365	.8561
%RSD	156.3	1138.	755.1
#1	-.0357	-.0132	.5417
#2	-.0711	-.0222	-1.082
#3	-1.535	.0451	.2003

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2514.2	34590.	4480.9
Stddev	2.8	73.	11.8
%RSD	.11247	.20997	.26398
#1	2517.3	34551.	4494.2
#2	2513.4	34545.	4477.3
#3	2511.9	34674.	4471.4

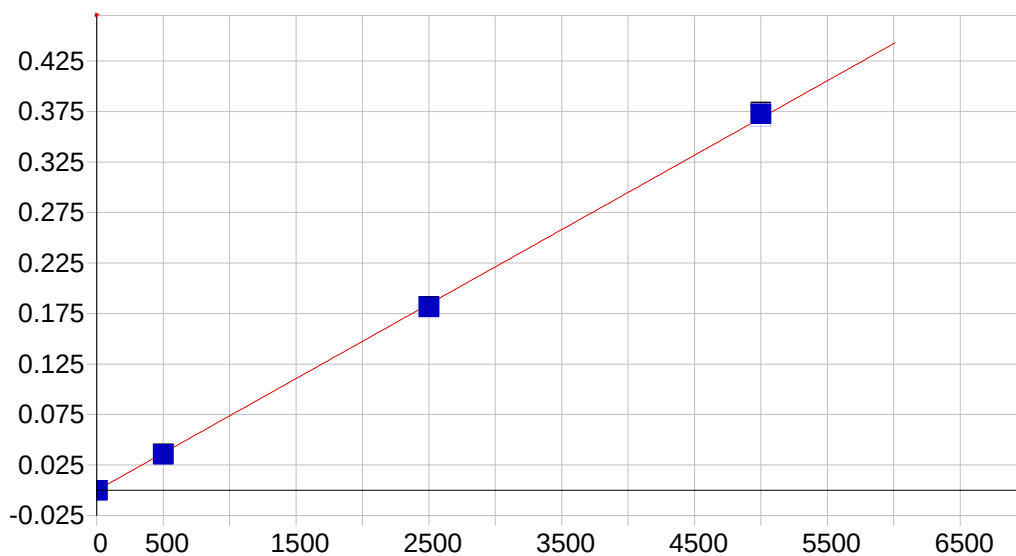


AI 396.152 (85)

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000336 Re-Slope: 1.000000
 A1 (Gain): 0.000081 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999992 Status: OK.
 Std Error of Est: 0.000116
 Predicted MDL: 14.809811
 Predicted MQL: 49.366038

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00096	-.001	.000	-.00034	.001	1
DCAL1	200.00	202.71	2.71	1.36	.01609	.001	1
DCAL2	25000.	24821.	-179.	-.717	2.0047	.023	1
DCAL3	125000.	124430.	-573.	-.459	10.051	.073	1
DCAL4	250000.	250750.	750.	.300	20.255	.064	1

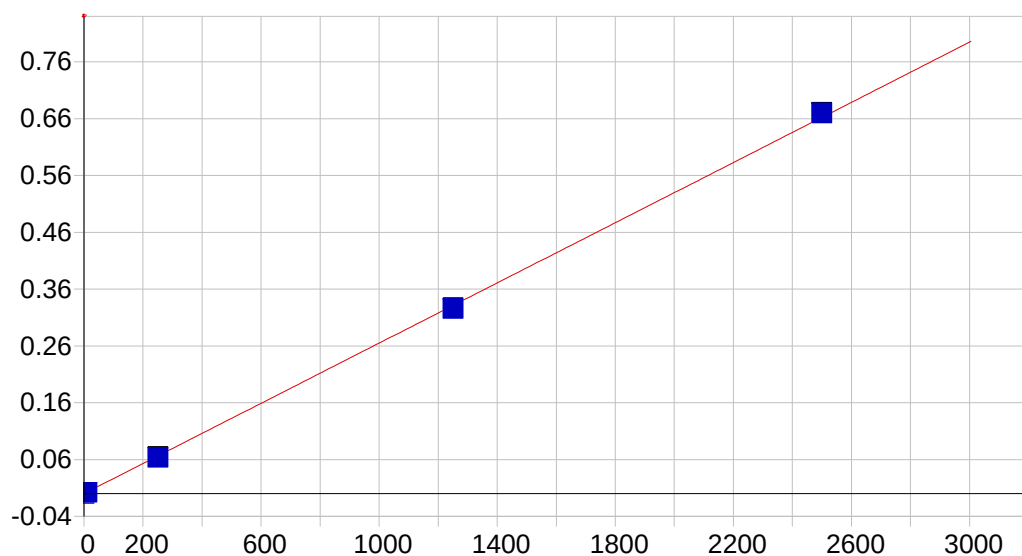


As 189.042 (478)

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000051 Re-Slope: 1.000000
 A1 (Gain): 0.000074 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999814 Status: OK.
 Std Error of Est: 0.000012
 Predicted MDL: 2.597120
 Predicted MQL: 8.657067

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00268	.003	.000	-.00005	.000	1
DCAL1	5.0000	2.5063	-2.49	-49.9	.00013	.000	1
DCAL2	500.00	483.51	-16.5	-3.30	.03532	.000	1
DCAL3	2500.0	2463.6	-36.4	-1.45	.18022	.000	1
DCAL4	5000.0	5055.4	55.4	1.11	.36994	.002	1

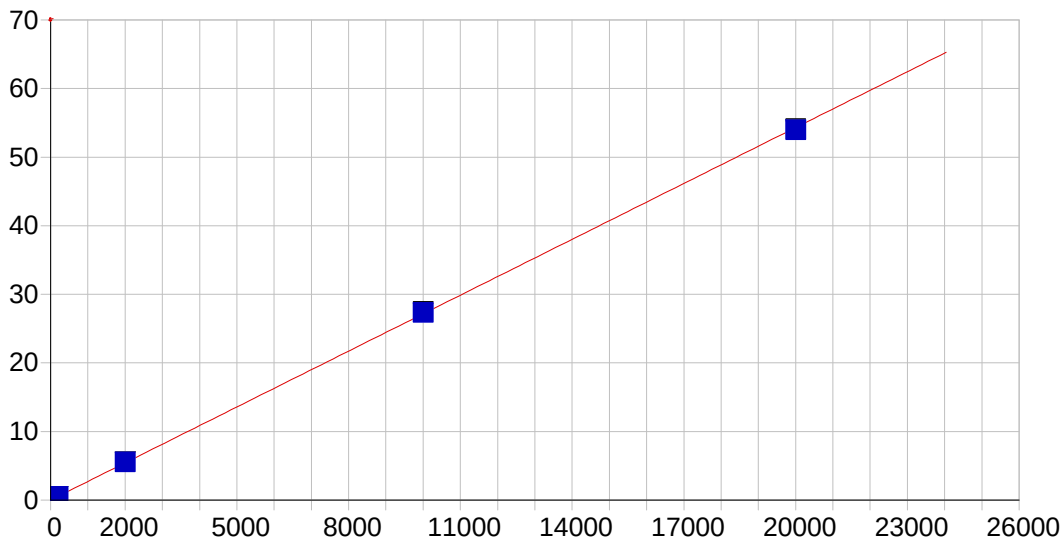


Ag 328.068 {103}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000040 Re-Slope: 1.000000
 A1 (Gain): 0.000265 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999861 Status: OK.
 Std Error of Est: 0.000036
 Predicted MDL: 0.855904
 Predicted MQL: 2.853013

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00133	.001	.000	.00004	.000	1
DCAL1	10.000	9.0718	-.928	-9.28	.00243	.000	1
DCAL2	250.00	240.84	-9.16	-3.66	.06369	.001	1
DCAL3	1250.0	1229.9	-20.1	-1.61	.32509	.001	1
DCAL4	2500.0	2530.2	30.2	1.21	.66880	.001	1

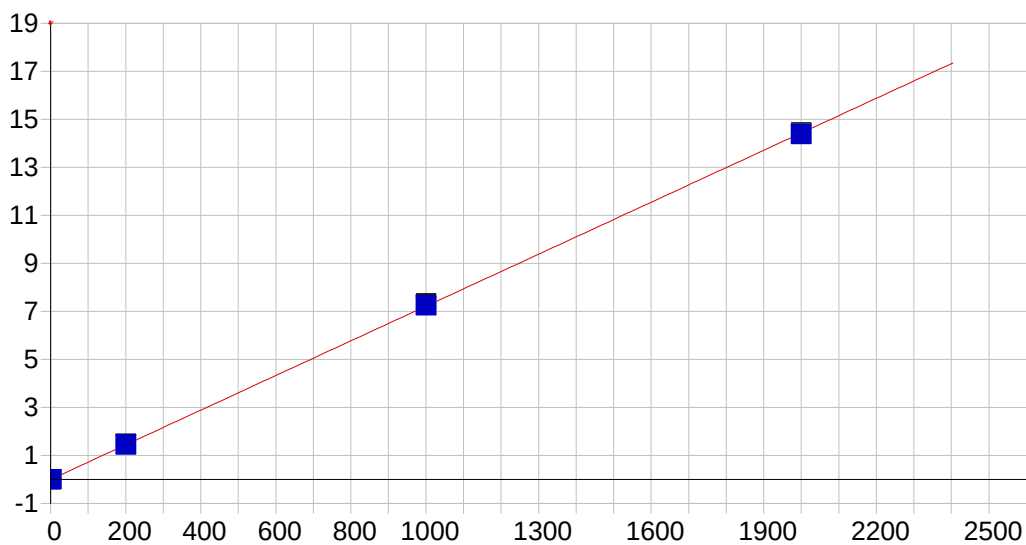


Ba 233.527 {445}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000602 Re-Slope: 1.000000
 A1 (Gain): 0.002715 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999960 Status: OK.
 Std Error of Est: 0.002520
 Predicted MDL: 0.142828
 Predicted MQL: 0.476093

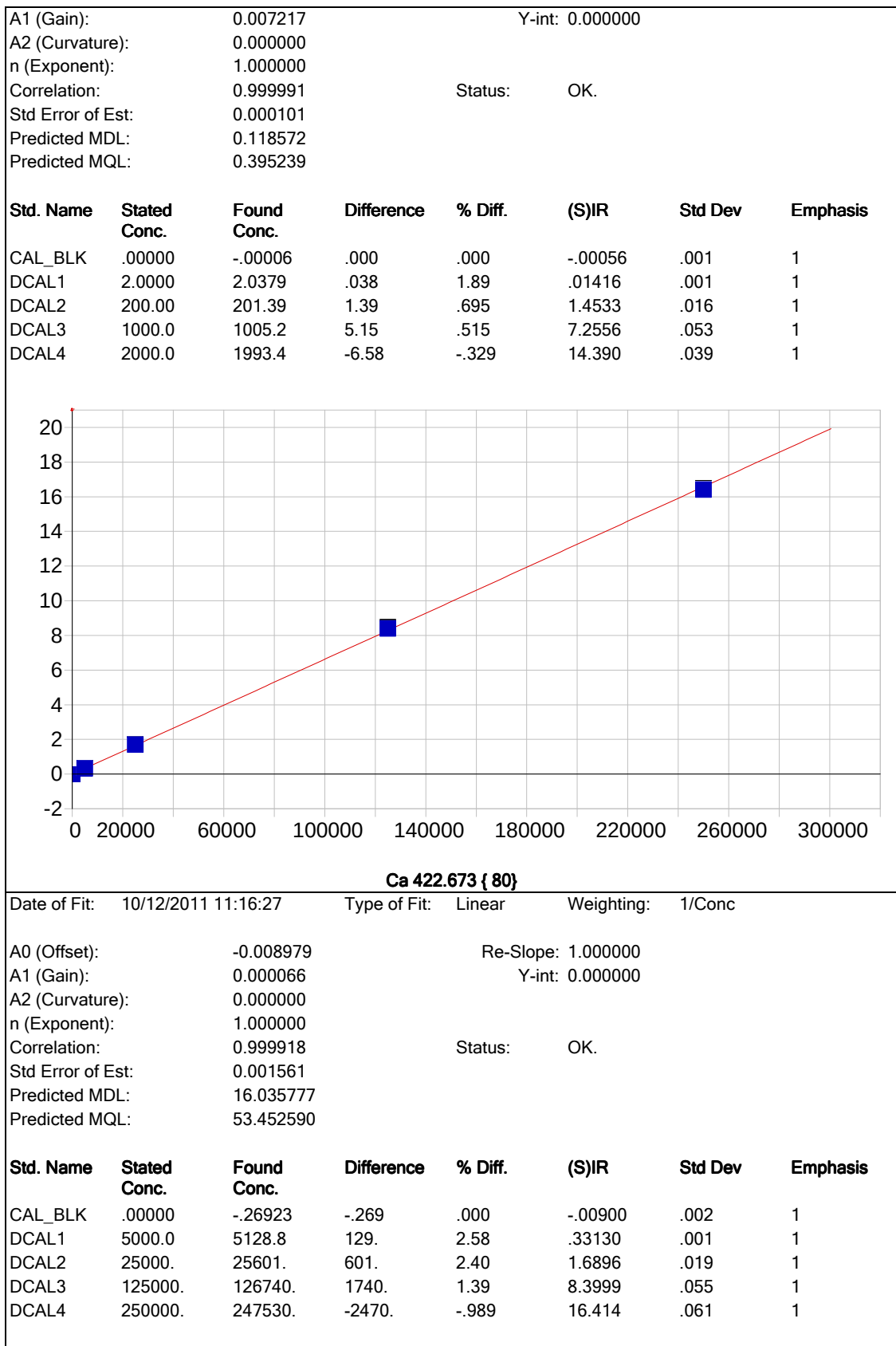
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01116	-.011	.000	.00057	.000	1
DCAL1	200.00	206.22	6.22	3.11	.56046	.001	1
DCAL2	2000.0	2047.9	47.9	2.39	5.5583	.017	1
DCAL3	10000.	10069.	69.5	.695	27.328	.099	1
DCAL4	20000.	19876.	-124.	-.618	53.942	.131	1

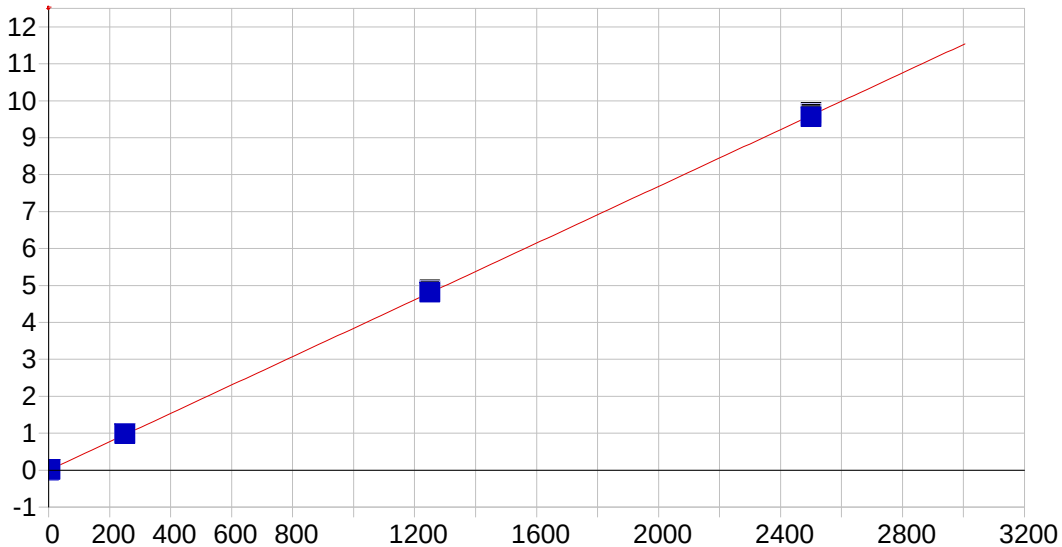


Be 313.042 {108}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000559 Re-Slope: 1.000000



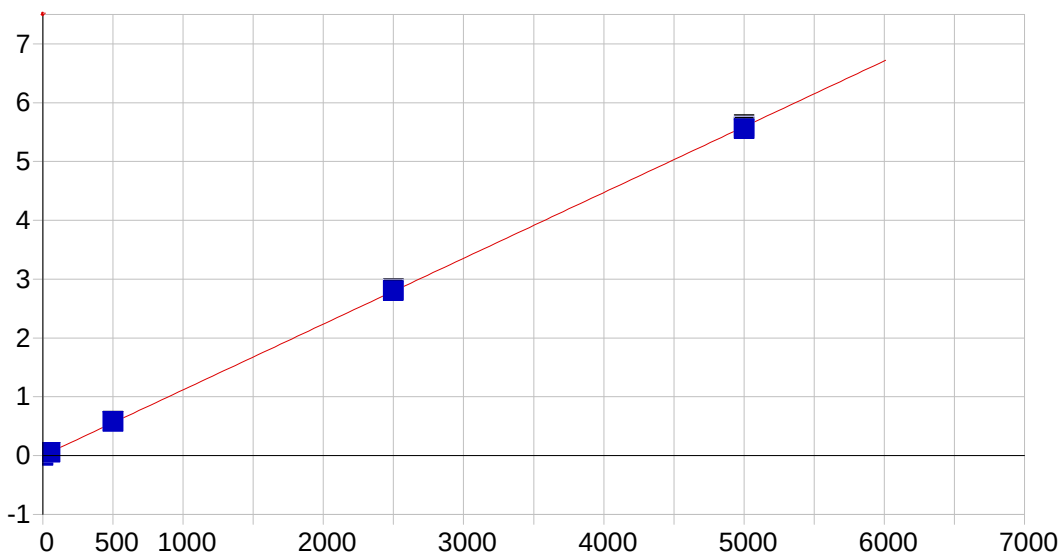


Cd 226.502 {449}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000148 Re-Slope: 1.000000
 A1 (Gain): 0.003841 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999974 Status: OK.
 Std Error of Est: 0.000143
 Predicted MDL: 0.118348
 Predicted MQL: 0.394493

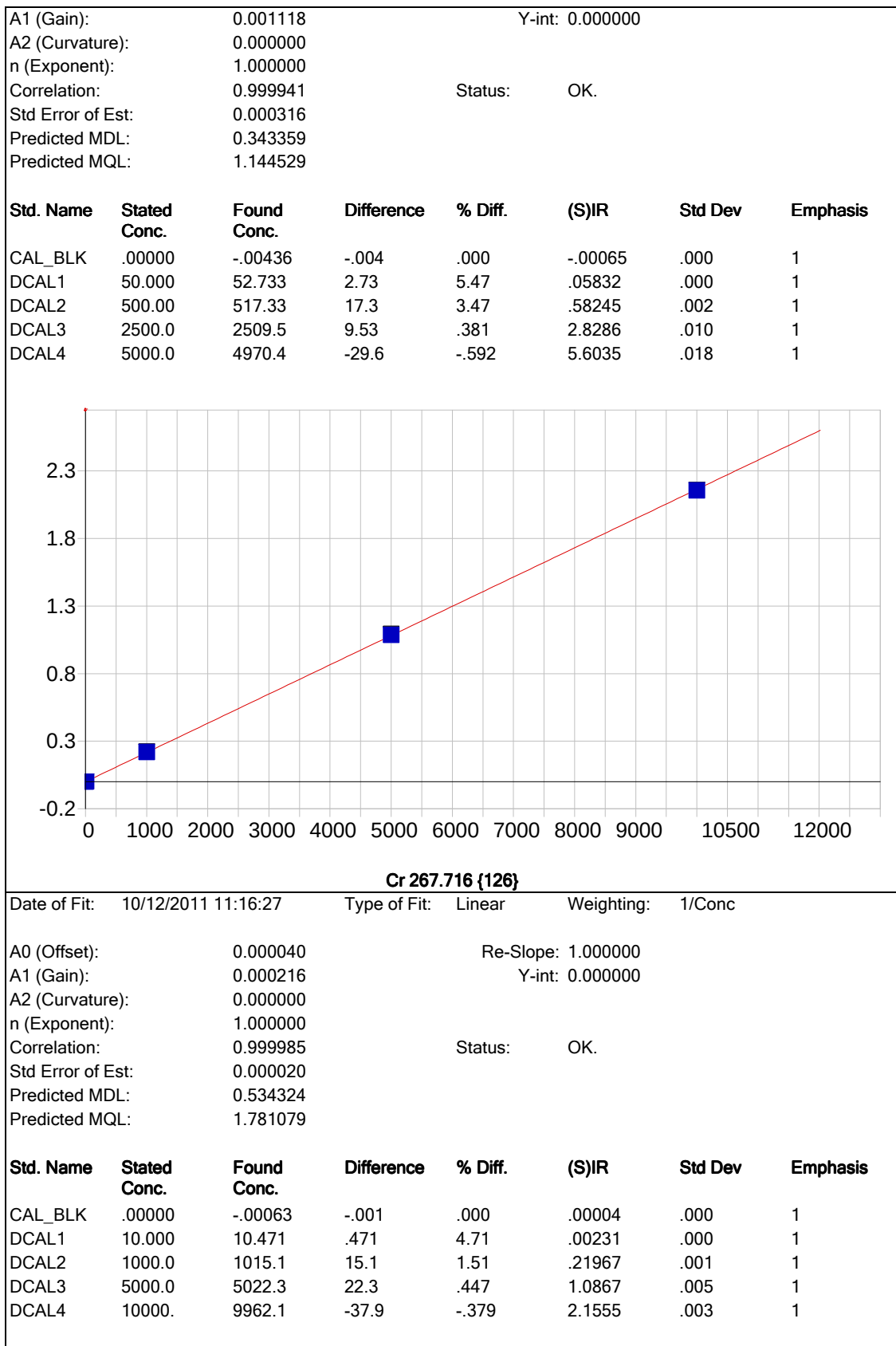
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00015	.000	.000	-.00015	.001	1
DCAL1	4.0000	4.0544	.054	1.36	.01549	.000	1
DCAL2	250.00	256.44	6.44	2.58	.99370	.002	1
DCAL3	1250.0	1253.0	2.97	.238	4.8568	.016	1
DCAL4	2500.0	2490.5	-9.47	-.379	9.6546	.025	1

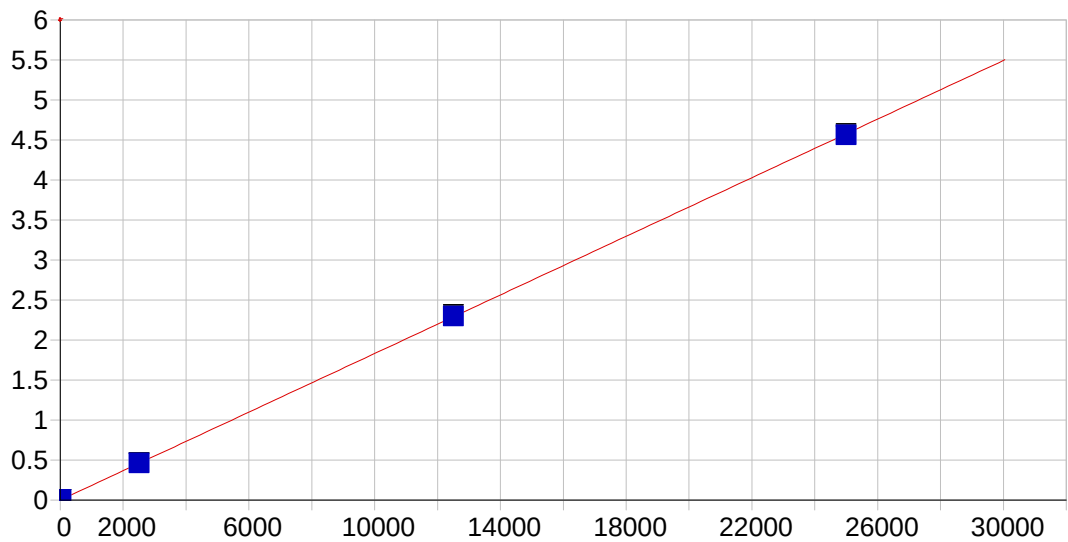


Co 228.616 {447}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000647 Re-Slope: 1.000000



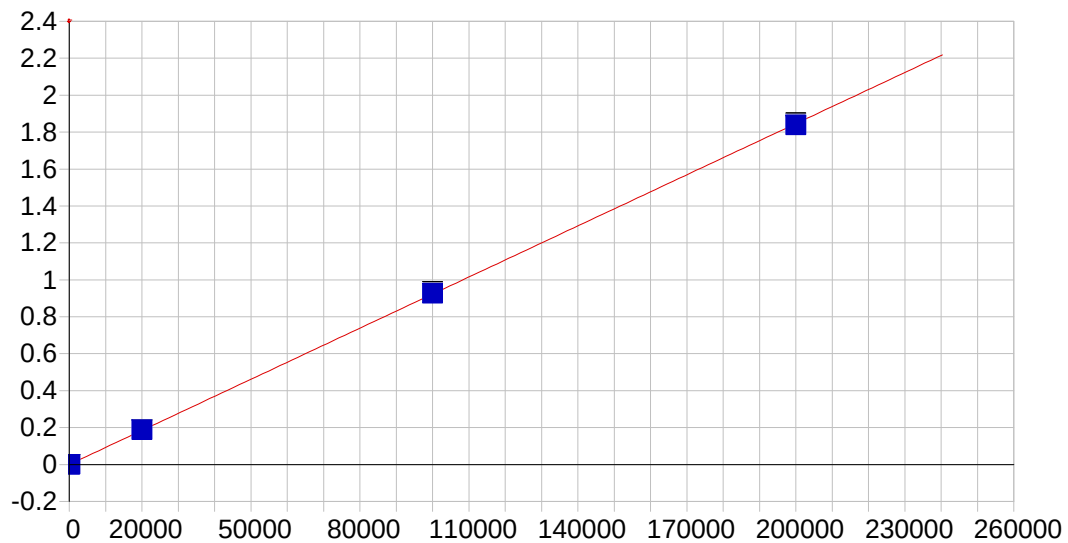


Cu 324.754 {104}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001093 Re-Slope: 1.000000
 A1 (Gain): 0.000183 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999977 Status: OK.
 Std Error of Est: 0.000050
 Predicted MDL: 3.899991
 Predicted MQL: 12.999970

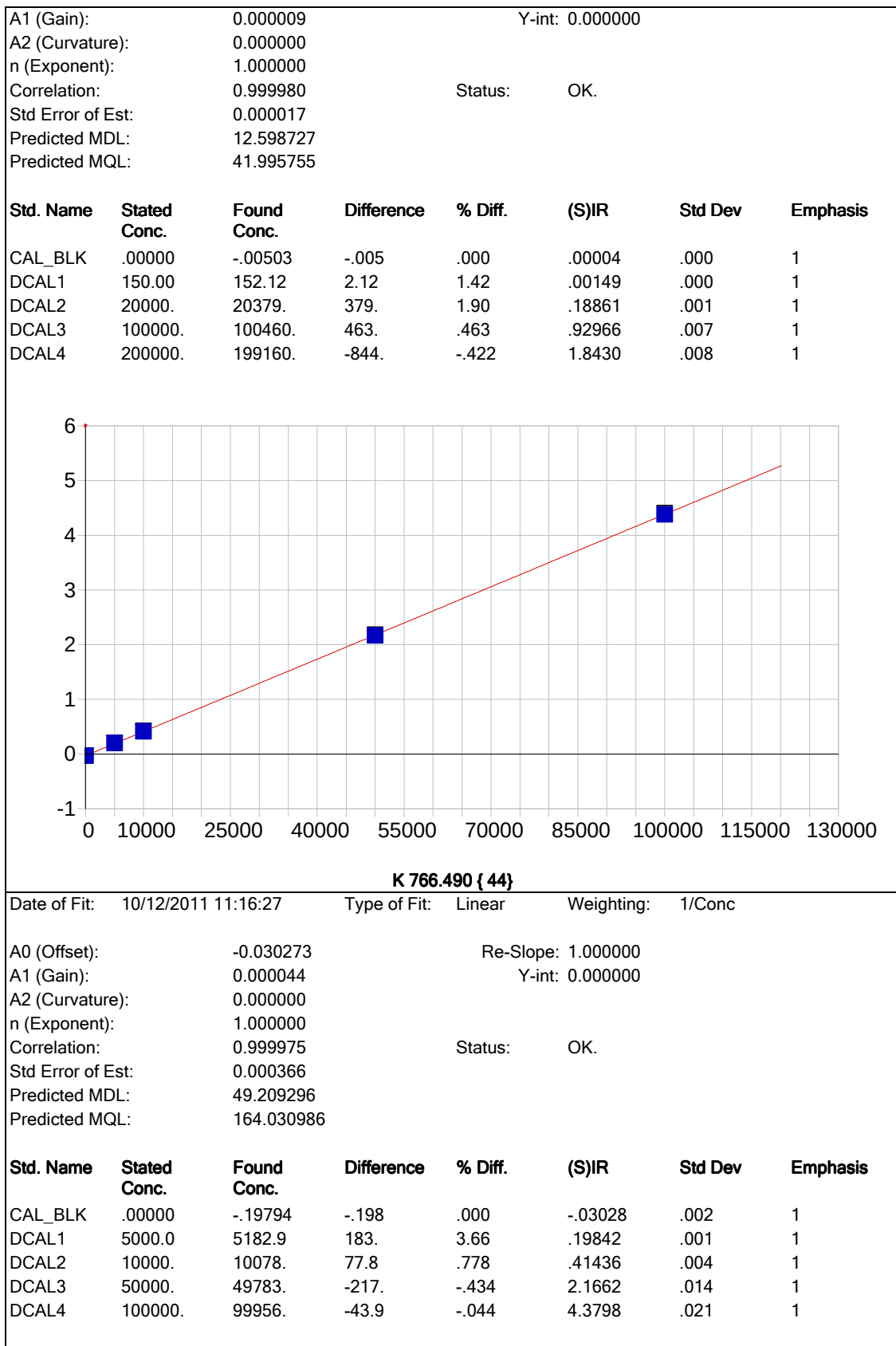
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00583	-.006	.000	.00109	.001	1
DCAL1	25.000	30.614	5.61	22.5	.00670	.000	1
DCAL2	2500.0	2518.7	18.7	.746	.46195	.005	1
DCAL3	12500.	12550.	50.3	.403	2.2975	.017	1
DCAL4	25000.	24925.	-74.6	-.299	4.5618	.013	1

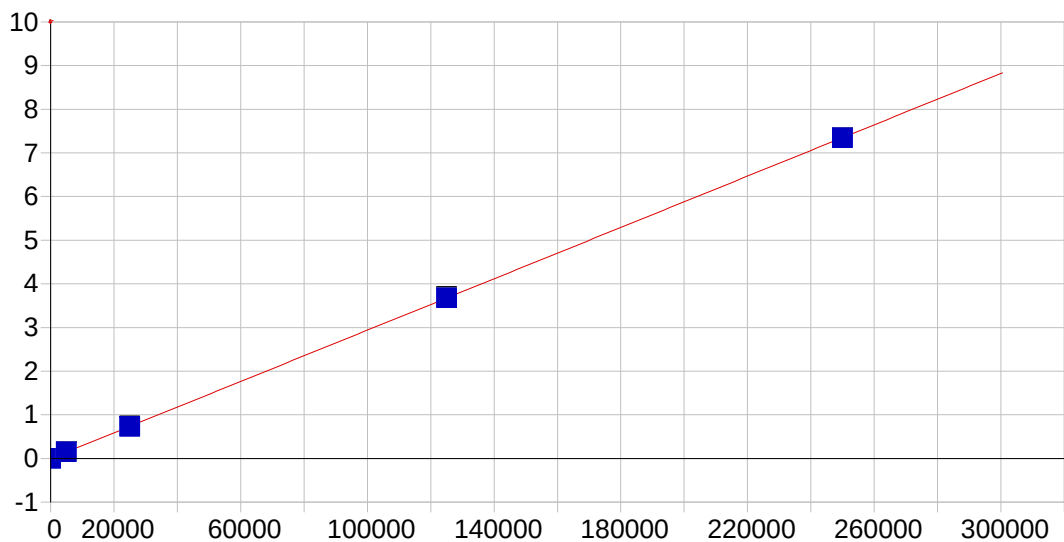


Fe 271.441 {124}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000043 Re-Slope: 1.000000



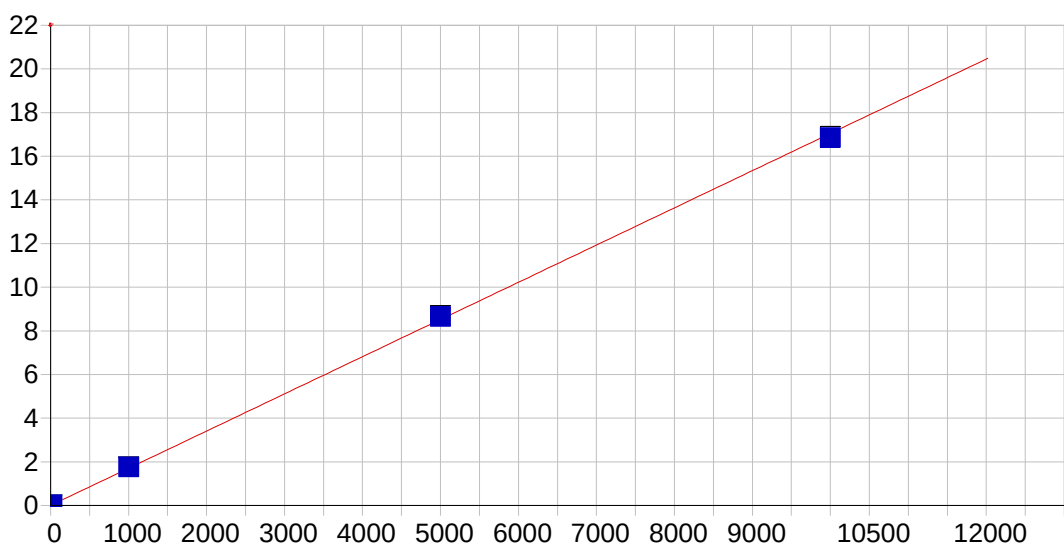


Mg 279.079 {121}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000029 Re-Slope: 1.000000
 A1 (Gain): 0.000029 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999996 Status: OK.
 Std Error of Est: 0.000148
 Predicted MDL: 4.427708
 Predicted MQL: 14.759026

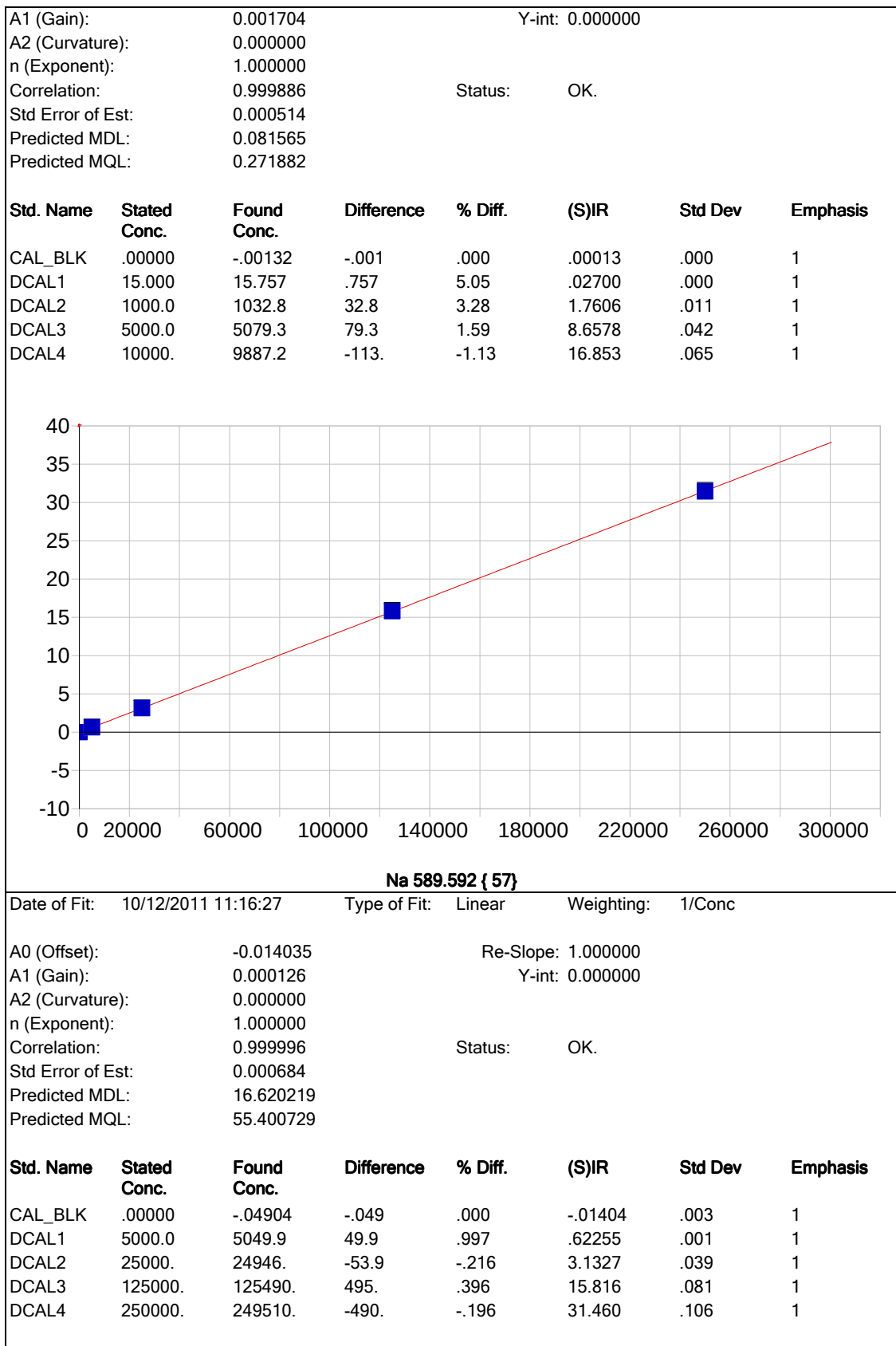
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.07211	-.072	.000	-.00003	.000	1
DCAL1	5000.0	5093.5	93.5	1.87	.14972	.000	1
DCAL2	25000.	24866.	-134.	-.537	.73088	.005	1
DCAL3	125000.	125230.	232.	.185	3.6811	.018	1
DCAL4	250000.	249810.	-191.	-.076	7.3429	.005	1

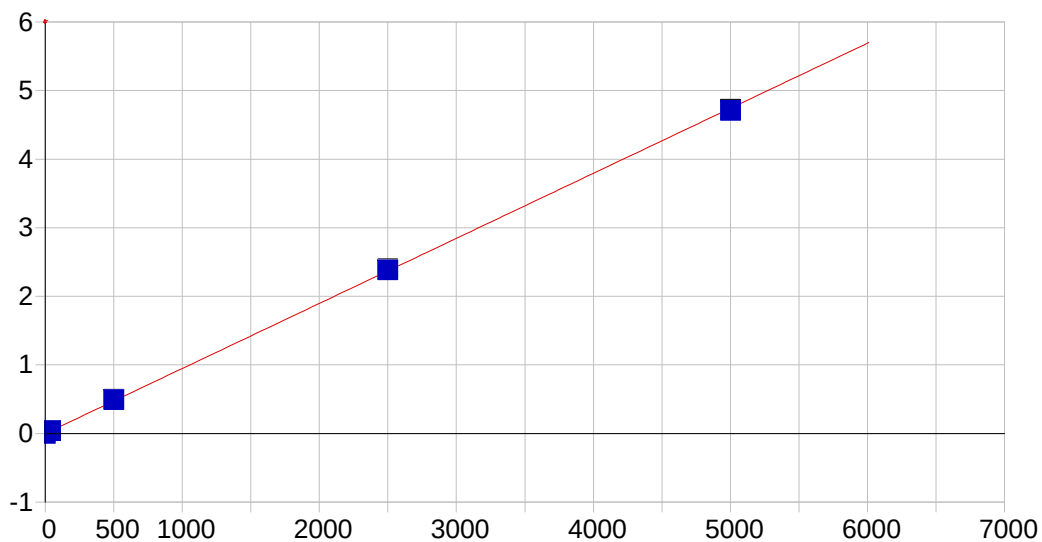


Mn 257.610 {131}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000137 Re-Slope: 1.000000



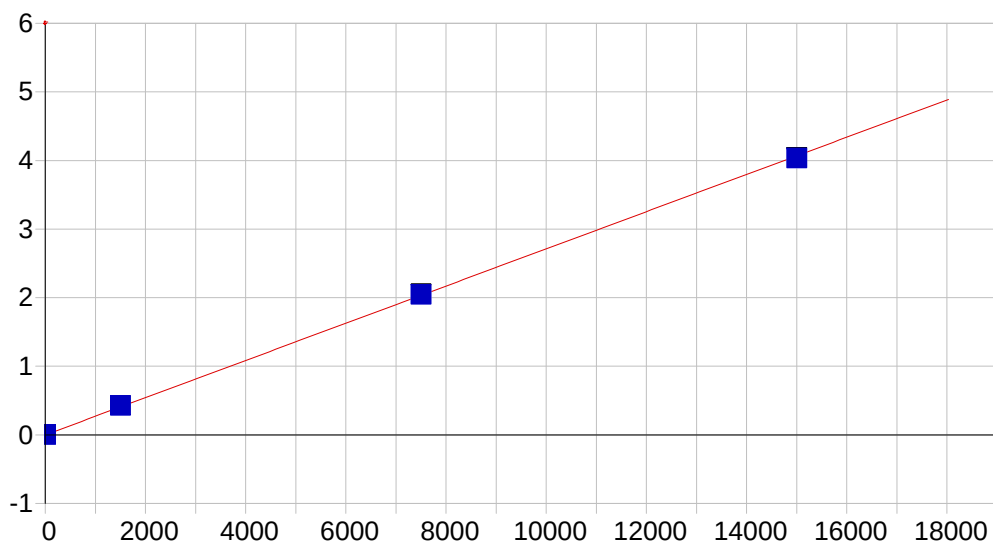


Ni 231.604 {446}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000566 Re-Slope: 1.000000
 A1 (Gain): 0.000948 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999912 Status: OK.
 Std Error of Est: 0.000291
 Predicted MDL: 0.470092
 Predicted MQL: 1.566972

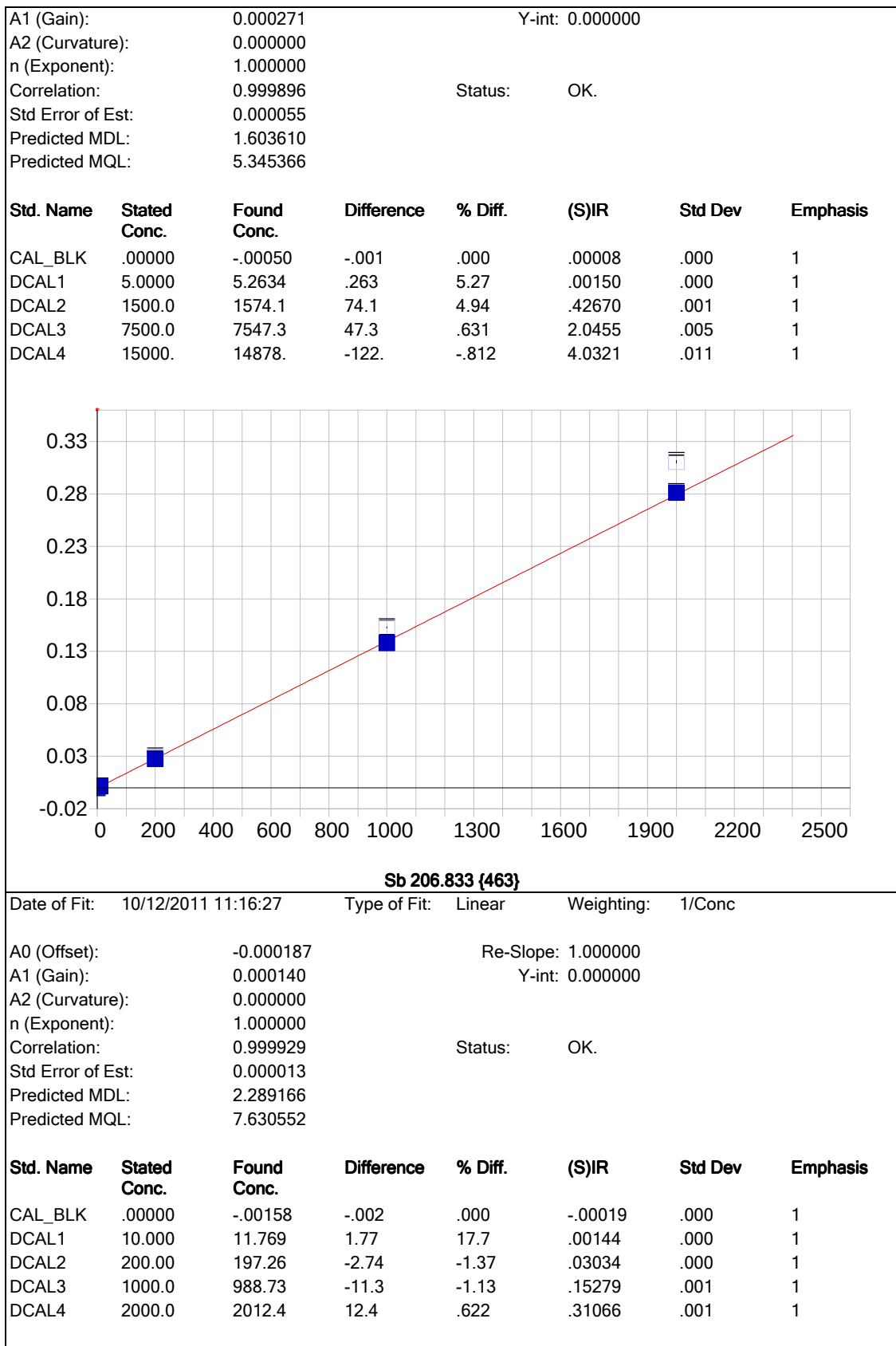
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00440	-.004	.000	-.00057	.000	1
DCAL1	40.000	42.844	2.84	7.11	.04008	.000	1
DCAL2	500.00	520.32	20.3	4.06	.49355	.002	1
DCAL3	2500.0	2515.1	15.1	.603	2.3880	.008	1
DCAL4	5000.0	4961.8	-38.2	-.764	4.7117	.014	1

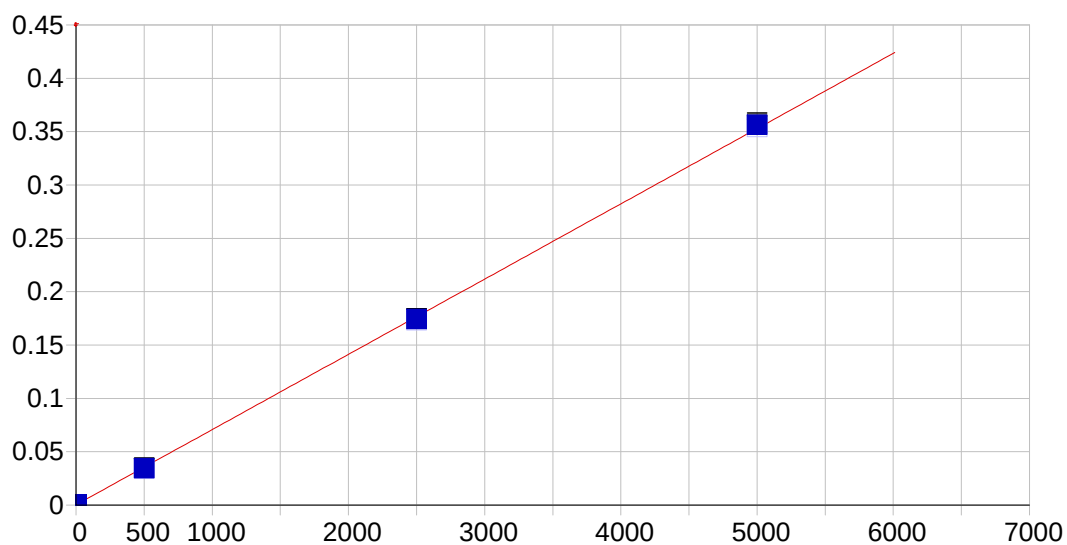


Pb 220.353 {453}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000079 Re-Slope: 1.000000



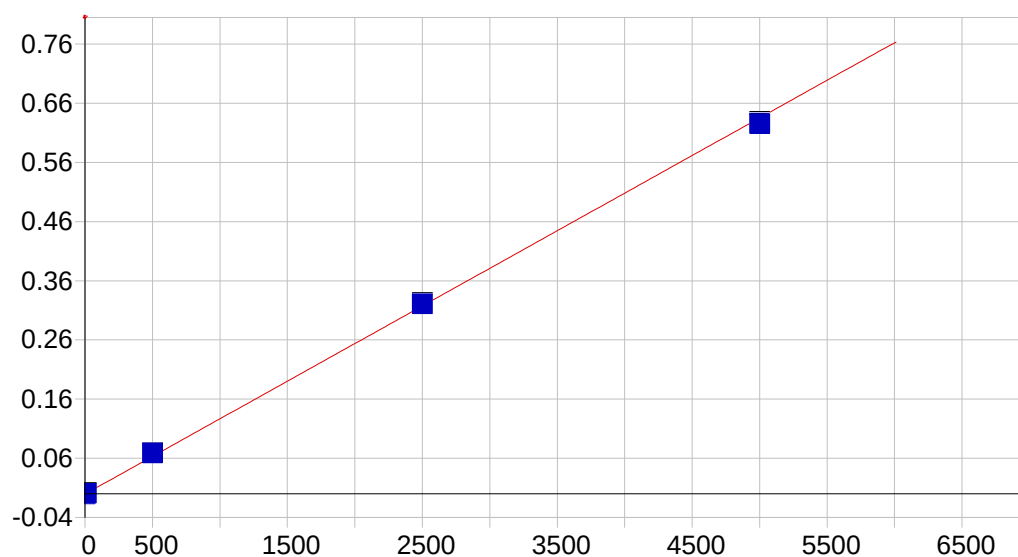


Se 196.090 {472}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000263 Re-Slope: 1.000000
 A1 (Gain): 0.000071 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999890 Status: OK.
 Std Error of Est: 0.000008
 Predicted MDL: 3.547060
 Predicted MQL: 11.823535

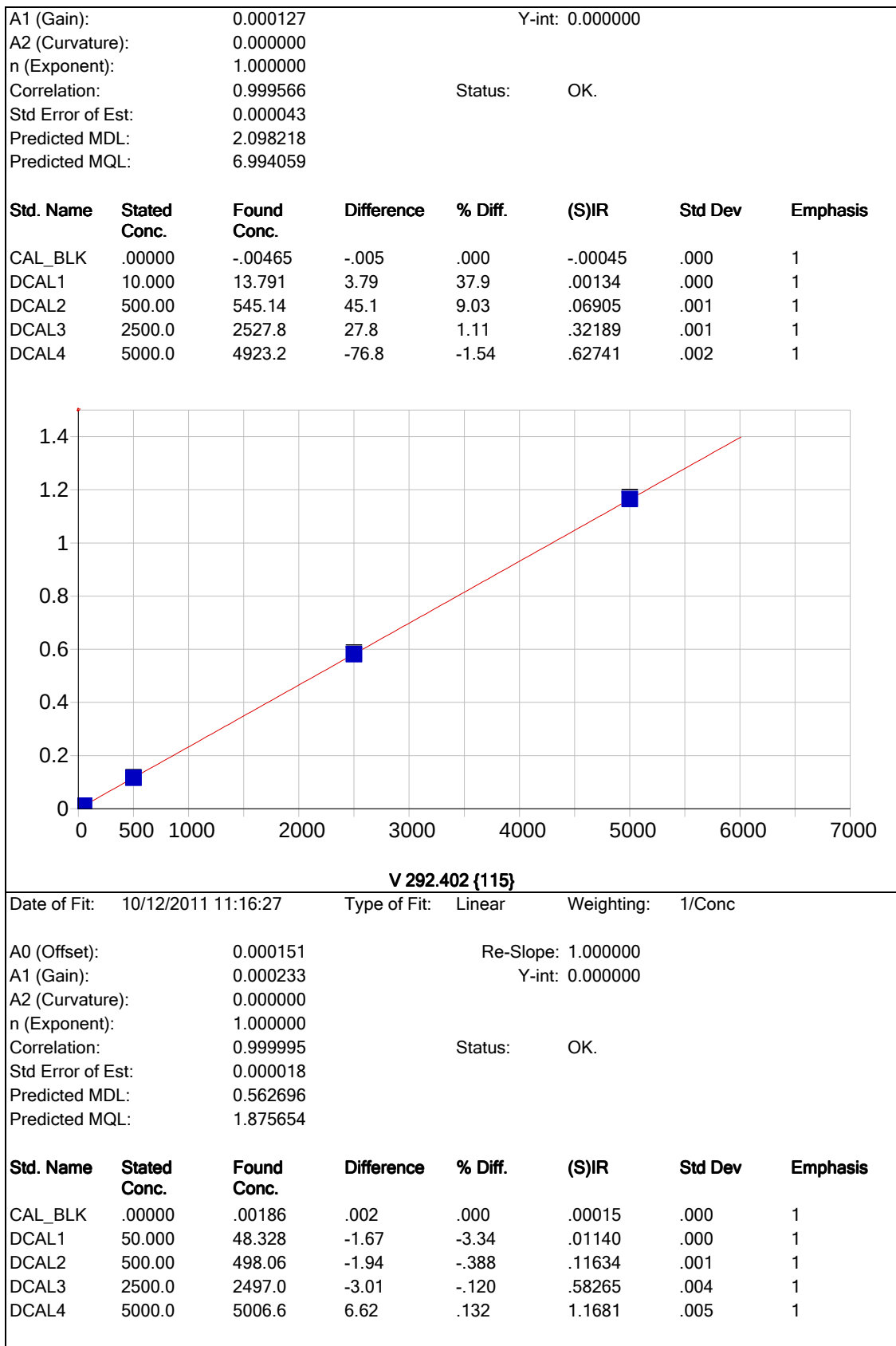
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00139	.001	.000	.00026	.000	1
DCAL1	5.0000	3.7854	-1.21	-24.3	.00053	.000	1
DCAL2	500.00	484.30	-15.7	-3.14	.03420	.000	1
DCAL3	2500.0	2466.6	-33.4	-1.33	.17313	.001	1
DCAL4	5000.0	5050.3	50.3	1.01	.35425	.002	1

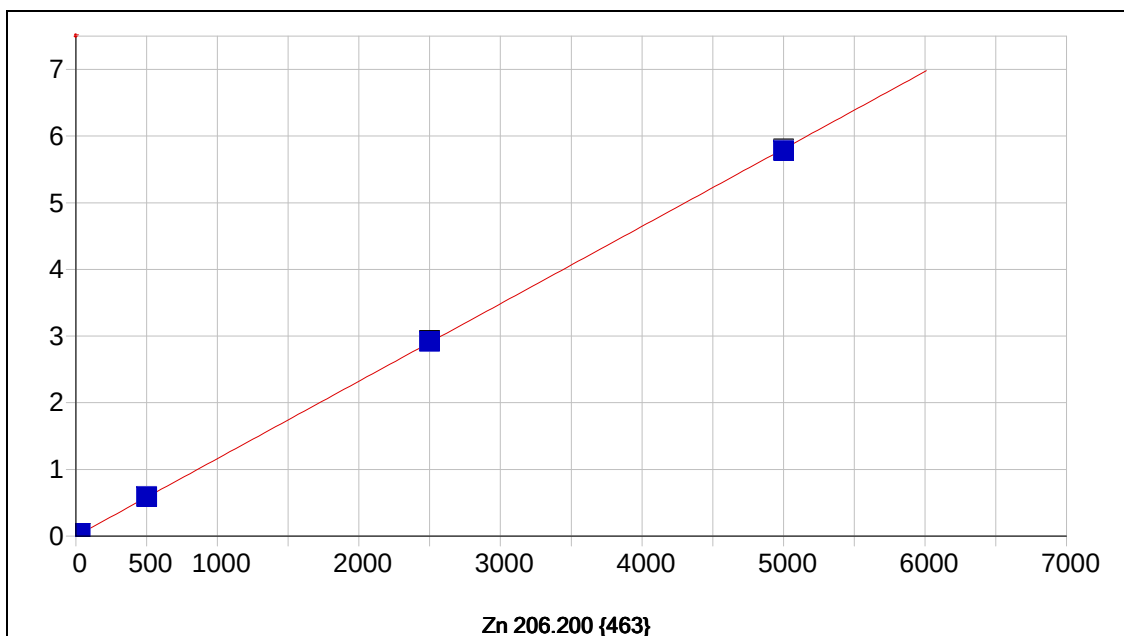


TI 190.856 {477}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000449 Re-Slope: 1.000000

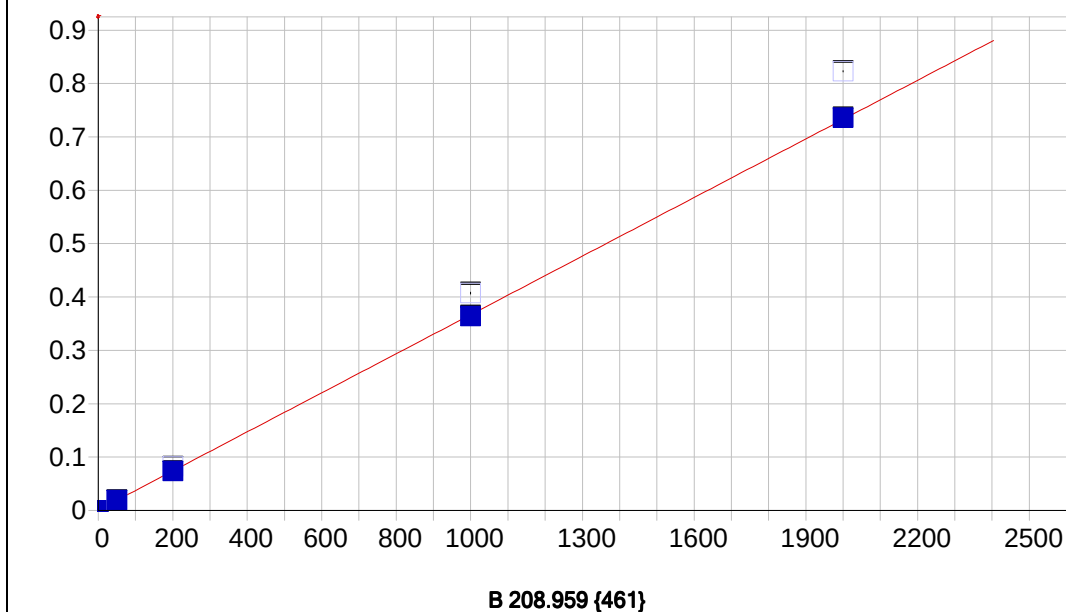




Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

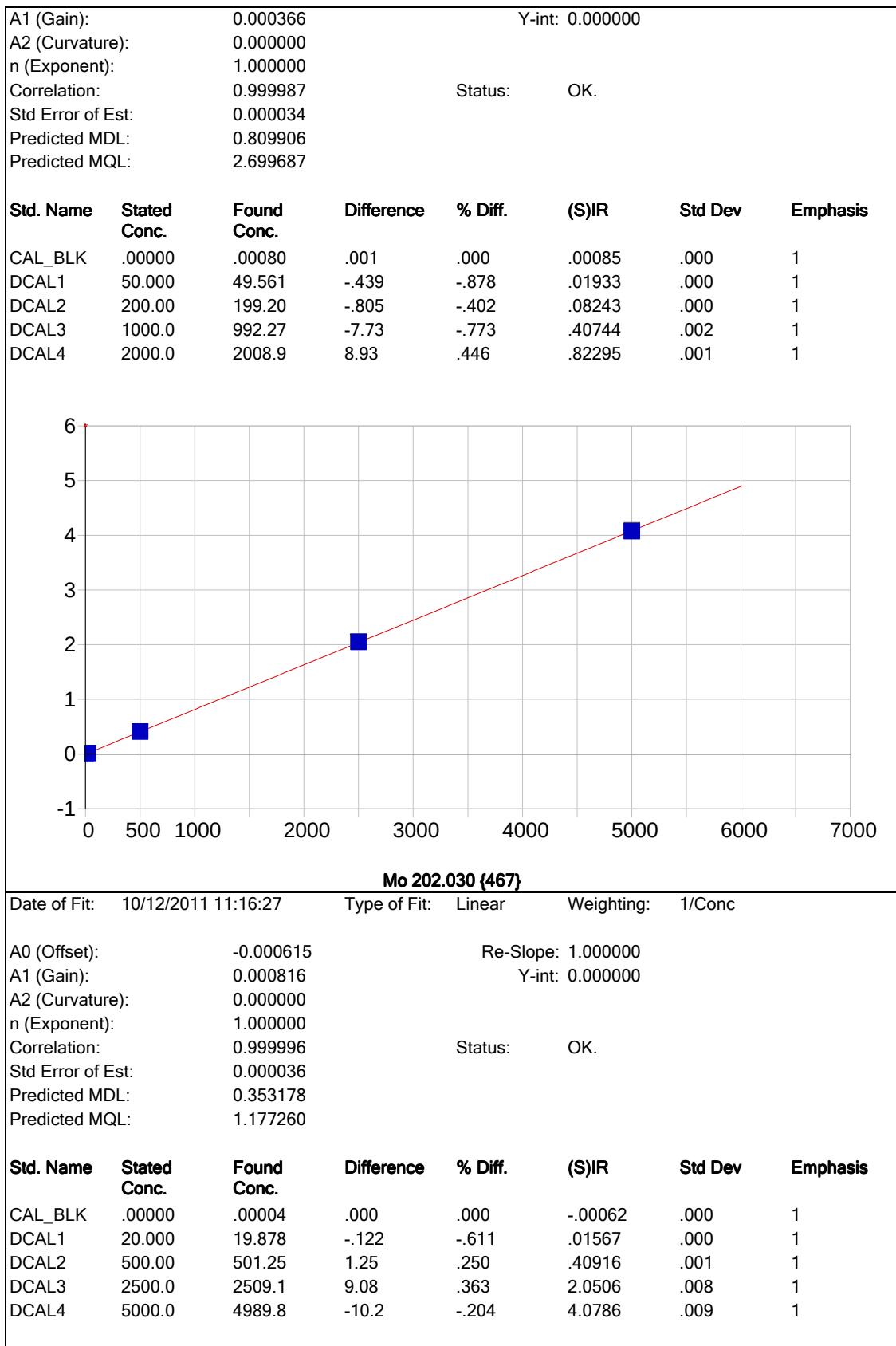
A0 (Offset): 0.000983 Re-Slope: 1.000000
 A1 (Gain): 0.001161 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999975 Status: OK.
 Std Error of Est: 0.000165
 Predicted MDL: 0.230005
 Predicted MQL: 0.766683

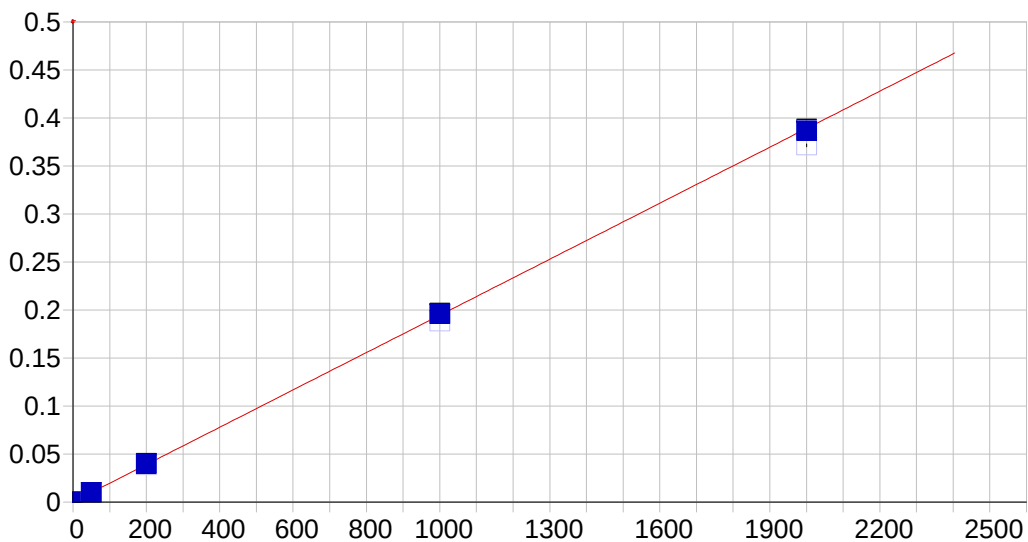
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00208	-.002	.000	.00098	.000	1
DCAL1	30.000	31.517	1.52	5.06	.03763	.000	1
DCAL2	500.00	509.34	9.34	1.87	.59320	.002	1
DCAL3	2500.0	2511.4	11.4	.456	2.9211	.010	1
DCAL4	5000.0	4977.7	-22.3	-.445	5.7889	.017	1



Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000846 Re-Slope: 1.000000



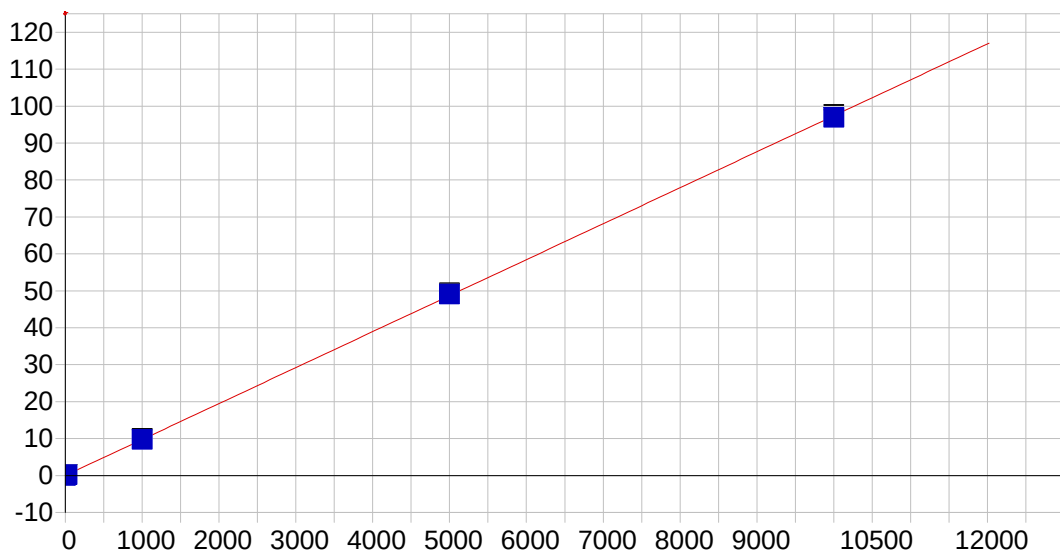


Sn 189.989 {477}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000182 Re-Slope: 1.000000
 A1 (Gain): 0.000194 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999961 Status: OK.
 Std Error of Est: 0.000027
 Predicted MDL: 0.929619
 Predicted MQL: 3.098731

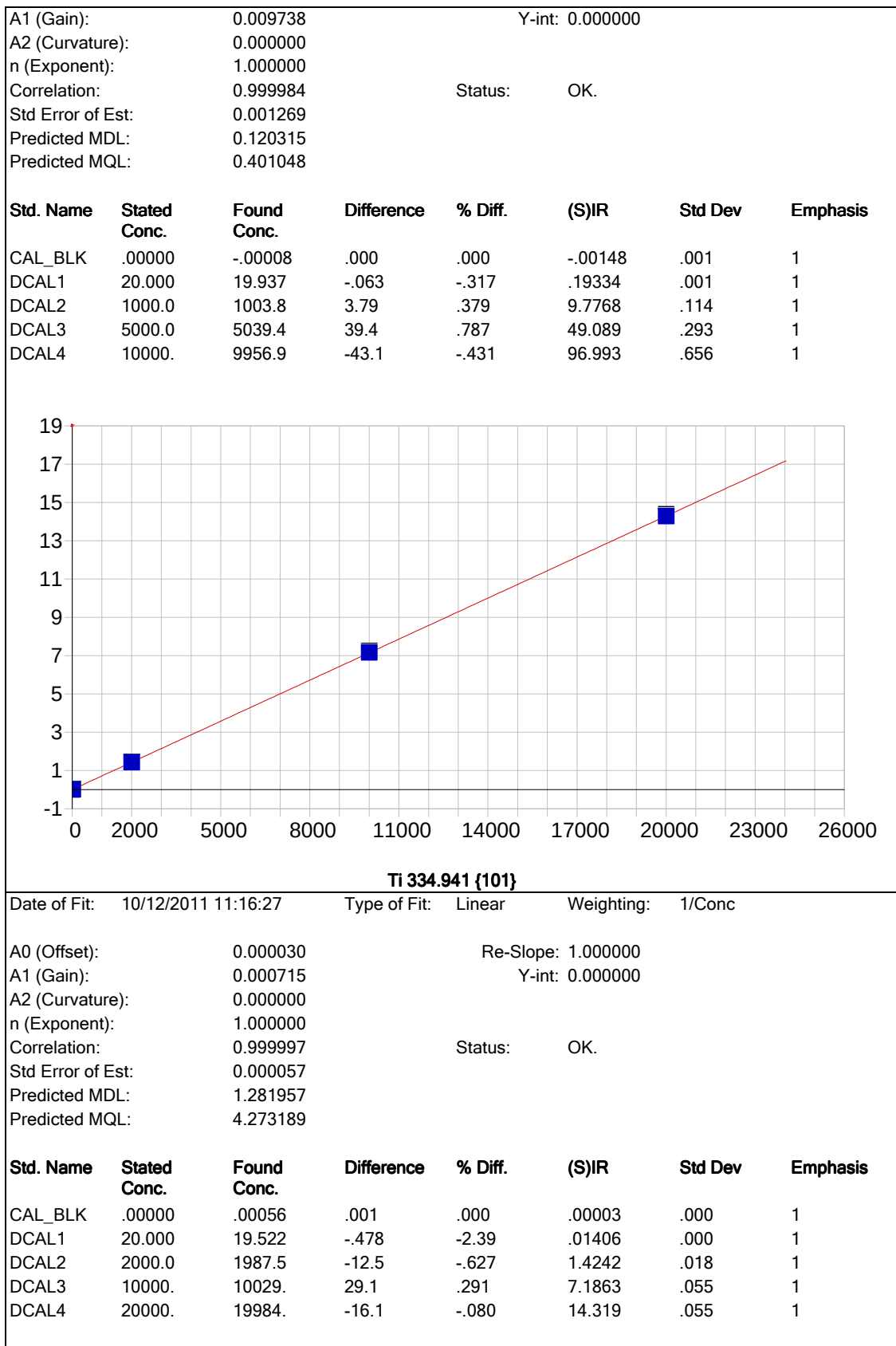
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00131	-.001	.000	.00018	.000	1
DCAL1	50.000	50.028	.028	.056	.00989	.000	1
DCAL2	200.00	204.96	4.96	2.48	.03851	.000	1
DCAL3	1000.0	1006.7	6.73	.673	.18830	.001	1
DCAL4	2000.0	1988.3	-11.7	-.586	.37153	.002	1

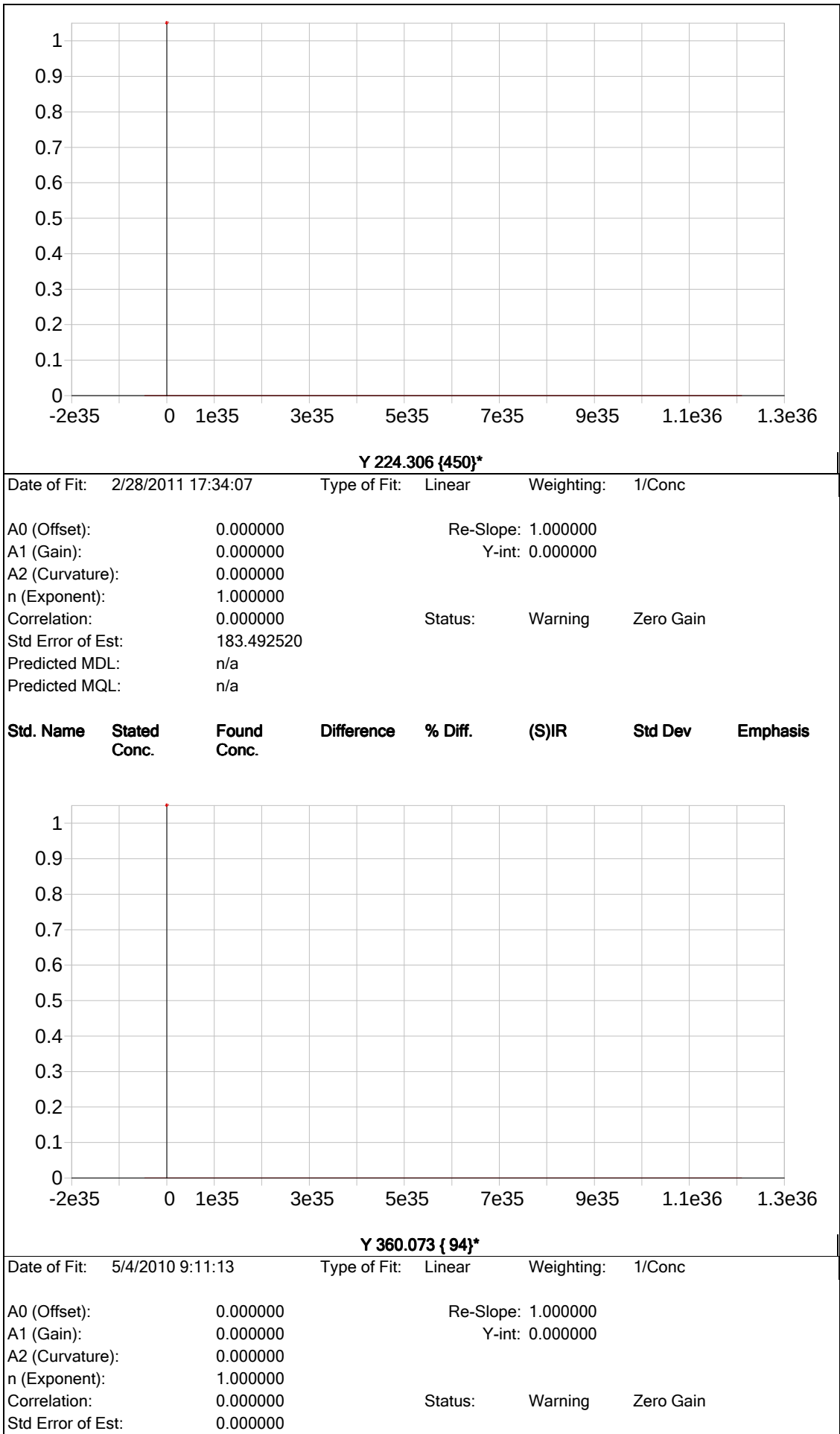


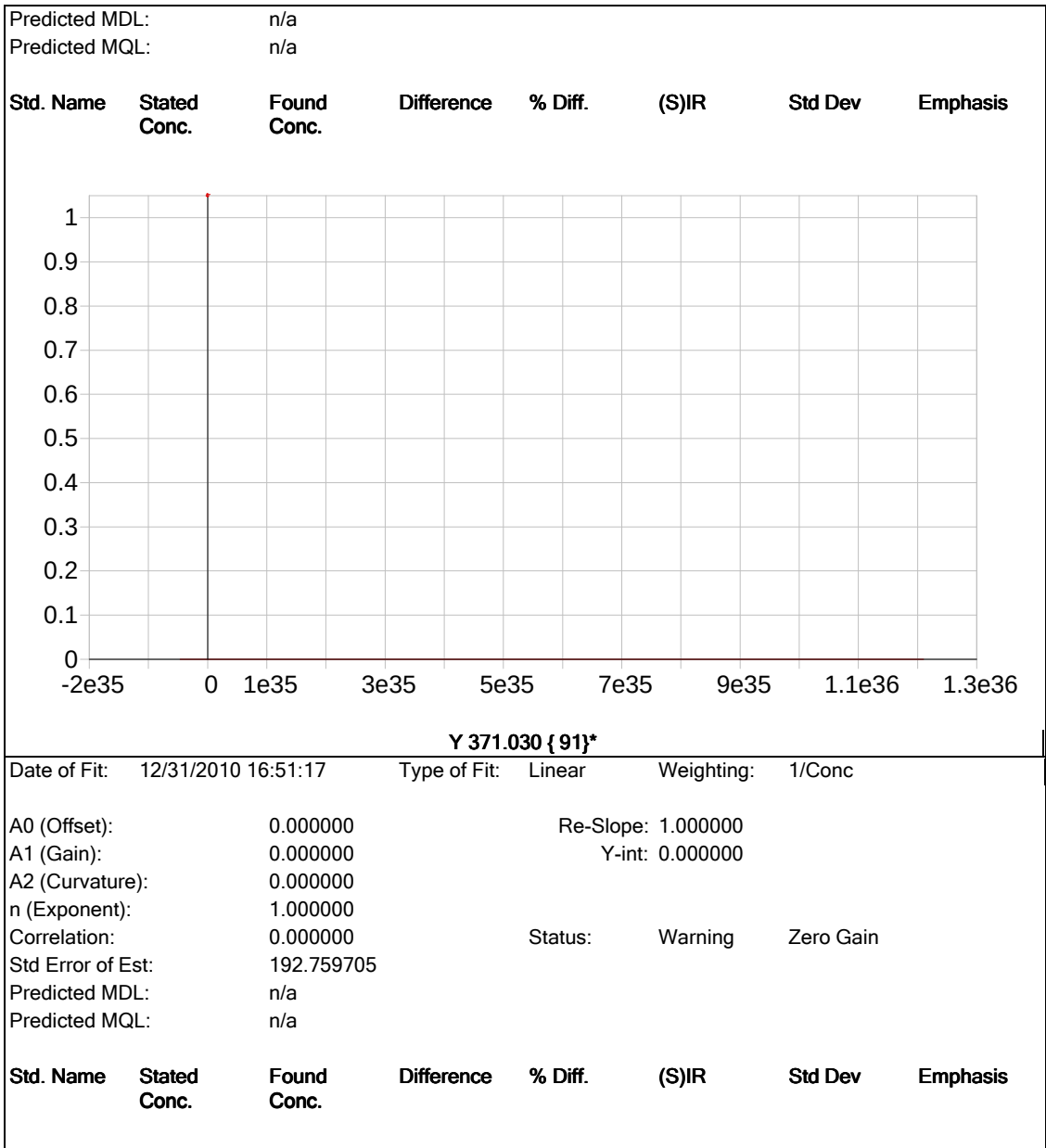
Sr 407.771 {83}

Date of Fit: 10/12/2011 11:16:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001478 Re-Slope: 1.000000







Sample Name: CAL_BLK Acquired: 10/12/2011 18:50:19 Type: Cal
Method: SW84610112011(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0007	-.0001	-.0001	.0001	.0001	-.0073
Stddev	.0011	.0002	.0001	.0001	.0003	.0007
%RSD	162.6	255.2	69.28	93.97	318.8	9.478

#1	.0005	-.0004	.0000	.0002	.0004	-.0068
#2	-.0017	.0001	-.0001	.0002	.0001	-.0081
#3	-.0009	.0000	-.0001	.0000	-.0002	-.0070

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0005	-.0005	.0001	.0019	.0000	-.0205
Stddev	.0004	.0000	.0000	.0005	.0001	.0007
%RSD	71.49	3.249	59.77	25.24	718.6	3.620

#1	-.0007	-.0005	.0000	.0021	.0001	-.0198
#2	-.0007	-.0005	.0001	.0023	-.0001	-.0206
#3	-.0001	-.0005	.0001	.0014	.0000	-.0212

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0001	.0000	-.0056	-.0006	.0003	.0001
Stddev	.0001	.0001	.0015	.0001	.0003	.0001
%RSD	78.80	360.0	27.45	16.81	83.77	113.8

#1	-.0002	-.0001	-.0060	-.0007	.0000	.0001
#2	-.0001	.0000	-.0039	-.0005	.0006	.0002
#3	.0000	.0002	-.0070	-.0007	.0004	.0000

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0001	-.0004	.0000	.0008	.0004	-.0006
Stddev	.0003	.0001	.0001	.0003	.0001	.0001
%RSD	309.1	24.70	186.8	30.31	41.27	13.73

#1	-.0001	-.0004	.0000	.0008	.0005	-.0007
#2	.0002	-.0003	.0001	.0011	.0002	-.0006
#3	-.0003	-.0004	.0000	.0006	.0004	-.0006

Sample Name: CAL_BLK Acquired: 10/12/2011 18:50:19 Type: Cal
Method: SW84610112011(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S
Avg	.0001	-.0027	-.0002
Stddev	.0001	.0017	.0005
%RSD	191.2	64.94	228.0

#1	.0000	-.0045	-.0007
#2	.0002	-.0012	-.0002
#3	-.0001	-.0023	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2510.8	34800.	4500.9
Stddev	3.7	76.	27.5
%RSD	.14690	.21765	.61101

#1	2506.6	34788.	4530.7
#2	2512.6	34881.	4495.4
#3	2513.3	34731.	4476.5

Sample Name: DCAL1 Acquired: 10/12/2011 18:54:00 Type: Cal
Method: SW84610112011(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0145	.0003	.0021	.5295	.0131	.3229
Stddev	.0002	.0001	.0001	.0009	.0003	.0011
%RSD	1.638	21.69	4.726	.1645	2.557	.3473

#1	.0147	.0003	.0021	.5299	.0128	.3242
#2	.0146	.0004	.0022	.5301	.0131	.3223
#3	.0142	.0003	.0020	.5285	.0135	.3221

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0149	.0546	.0023	.0053	.0015	.1912
Stddev	.0001	.0001	.0000	.0004	.0000	.0028
%RSD	.7471	.2329	1.603	6.950	1.561	1.475

#1	.0148	.0546	.0023	.0055	.0015	.1944
#2	.0150	.0545	.0022	.0056	.0015	.1903
#3	.0148	.0548	.0022	.0049	.0014	.1890

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1428	.0265	.6316	.0378	.0015	.0013
Stddev	.0001	.0001	.0013	.0004	.0004	.0001
%RSD	.0393	.4051	.2015	1.149	24.91	5.970

#1	.1428	.0264	.6317	.0382	.0018	.0013
#2	.1428	.0266	.6302	.0379	.0011	.0014
#3	.1427	.0265	.6328	.0374	.0017	.0012

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	.0011	.0115	.0352	.0180	.0147
Stddev	.0001	.0002	.0001	.0001	.0002	.0001
%RSD	49.40	21.17	.8706	.2282	1.057	.7601

#1	.0001	.0014	.0117	.0352	.0179	.0148
#2	.0003	.0010	.0115	.0352	.0182	.0146
#3	.0004	.0010	.0115	.0351	.0179	.0147

Sample Name: DCAL1 Acquired: 10/12/2011 18:54:00 Type: Cal
Method: SW84610112011(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S
Avg	.0093	.1881	.0133
Stddev	.0001	.0005	.0007
%RSD	.8490	.2489	5.356

#1	.0094	.1886	.0125
#2	.0092	.1882	.0133
#3	.0093	.1876	.0139

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2486.6	34419.	4517.2
Stddev	7.5	37.	20.8
%RSD	.29984	.10641	.46047

#1	2493.3	34382.	4493.2
#2	2478.5	34455.	4527.7
#3	2487.9	34419.	4530.6

Sample Name: DCAL2 Acquired: 10/12/2011 18:57:36 Type: Cal
Method: SW84610112011(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.925	.0332	.0605	5.282	1.411	1.650
Stddev	.004	.0001	.0002	.004	.002	.003
%RSD	.2310	.3549	.3631	.0724	.1160	.1631

#1	1.923	.0331	.0603	5.278	1.412	1.652
#2	1.930	.0334	.0606	5.285	1.409	1.647
#3	1.923	.0332	.0607	5.283	1.412	1.651

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.9414	.5500	.2105	.4486	.1872	.3984
Stddev	.0001	.0008	.0004	.0012	.0007	.0004
%RSD	.0133	.1430	.2043	.2637	.3647	.1095

#1	.9414	.5508	.2107	.4499	.1877	.3982
#2	.9415	.5498	.2108	.4481	.1874	.3980
#3	.9412	.5493	.2100	.4477	.1864	.3989

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6967	1.716	3.120	.4665	.4021	.0287
Stddev	.0008	.004	.010	.0001	.0006	.0004
%RSD	.1086	.2090	.3250	.0303	.1424	1.388

#1	.6967	1.718	3.131	.4664	.4027	.0283
#2	.6974	1.719	3.111	.4667	.4019	.0289
#3	.6959	1.712	3.118	.4665	.4016	.0290

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0321	.0648	.1152	.5585	.0778	.3898
Stddev	.0002	.0004	.0004	.0009	.0003	.0004
%RSD	.7246	.5676	.3806	.1667	.3708	.1100

#1	.0320	.0652	.1154	.5593	.0775	.3893
#2	.0320	.0646	.1154	.5586	.0777	.3899
#3	.0324	.0647	.1147	.5575	.0781	.3901

Sample Name: DCAL2 Acquired: 10/12/2011 18:57:36 Type: Cal
Method: SW84610112011(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S
Avg	.0363	9.578	1.366
Stddev	.0001	.005	.004
%RSD	.3471	.0502	.3121

#1	.0364	9.583	1.362
#2	.0364	9.577	1.367
#3	.0362	9.574	1.370

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2430.9	33846.	4495.8
Stddev	2.5	137.	2.5
%RSD	.10158	.40532	.05567

#1	2428.2	33783.	4497.7
#2	2433.1	33751.	4496.8
#3	2431.5	34003.	4493.0

Sample Name: DCAL3 Acquired: 10/12/2011 19:01:02 Type: Cal
Method: SW84610112011(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.568	.1704	.3077	25.84	6.988	8.139
Stddev	.030	.0004	.0010	.06	.015	.016
%RSD	.3163	.2079	.3232	.2247	.2206	.1979

#1	9.535	.1702	.3066	25.83	6.992	8.144
#2	9.596	.1708	.3083	25.90	7.002	8.152
#3	9.572	.1703	.3082	25.79	6.971	8.121

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.582	2.658	1.038	2.200	.9245	2.112
Stddev	.012	.005	.002	.004	.0045	.006
%RSD	.2501	.1743	.2254	.1996	.4850	.3084

#1	4.574	2.655	1.036	2.198	.9274	2.115
#2	4.595	2.664	1.038	2.205	.9193	2.117
#3	4.576	2.656	1.040	2.196	.9268	2.105

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.497	8.455	15.65	2.245	1.918	.1446
Stddev	.006	.015	.08	.004	.004	.0003
%RSD	.1838	.1735	.5131	.1780	.1912	.1818

#1	3.490	8.446	15.72	2.244	1.916	.1445
#2	3.497	8.448	15.66	2.250	1.923	.1443
#3	3.503	8.472	15.56	2.242	1.916	.1449

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1628	.3001	.5804	2.735	.3850	1.939
Stddev	.0004	.0010	.0020	.004	.0010	.003
%RSD	.2689	.3324	.3372	.1299	.2547	.1768

#1	.1627	.3008	.5811	2.733	.3839	1.938
#2	.1632	.3005	.5782	2.739	.3858	1.943
#3	.1624	.2989	.5820	2.734	.3852	1.937

Sample Name: DCAL3 Acquired: 10/12/2011 19:01:02 Type: Cal
Method: SW84610112011(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S
Avg	.1774	47.71	6.809
Stddev	.0004	.16	.015
%RSD	.2013	.3267	.2200

#1	.1772	47.79	6.796
#2	.1778	47.81	6.825
#3	.1771	47.53	6.805

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2306.9	31908.	4415.6
Stddev	4.6	130.	17.5
%RSD	.19769	.40849	.39527

#1	2307.2	31829.	4402.0
#2	2302.2	32059.	4409.5
#3	2311.3	31838.	4435.3

Sample Name: DCAL4 Acquired: 10/12/2011 19:04:21 Type: Cal
Method: SW84610112011(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	19.25	.3484	.6303	50.80	13.80	15.81
Stddev	.06	.0007	.0007	.04	.04	.05
%RSD	.3195	.1901	.1134	.0829	.2648	.2949

#1	19.31	.3490	.6296	50.85	13.84	15.87
#2	19.27	.3485	.6303	50.78	13.77	15.79
#3	19.19	.3477	.6310	50.77	13.78	15.78

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.091	5.255	2.050	4.366	1.807	4.245
Stddev	.008	.004	.002	.012	.002	.017
%RSD	.0878	.0671	.0879	.2778	.1104	.3897

#1	9.100	5.258	2.049	4.380	1.805	4.263
#2	9.090	5.255	2.049	4.360	1.809	4.240
#3	9.084	5.251	2.052	4.359	1.806	4.231

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.959	16.24	30.74	4.418	3.778	.2920
Stddev	.049	.12	.18	.004	.003	.0004
%RSD	.7093	.7426	.5792	.0921	.0877	.1363

#1	6.906	16.27	30.93	4.419	3.781	.2921
#2	6.967	16.35	30.70	4.421	3.778	.2923
#3	7.004	16.11	30.59	4.413	3.774	.2915

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3329	.5814	1.146	5.421	.7748	3.843
Stddev	.0006	.0008	.002	.003	.0005	.004
%RSD	.1930	.1451	.1622	.0556	.0662	.1024

#1	.3334	.5823	1.145	5.421	.7752	3.846
#2	.3331	.5807	1.148	5.425	.7750	3.845
#3	.3322	.5811	1.146	5.419	.7742	3.839

Sample Name: DCAL4 Acquired: 10/12/2011 19:04:21 Type: Cal
Method: SW84610112011(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S
Avg	.3483	93.06	13.57
Stddev	.0002	.30	.03
%RSD	.0431	.3212	.2095

#1	.3483	93.39	13.60
#2	.3481	92.80	13.56
#3	.3484	93.01	13.54

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2205.8	31026.	4399.8
Stddev	.7	23.	10.6
%RSD	.03249	.07270	.24038

#1	2205.0	31051.	4387.6
#2	2205.9	31017.	4404.4
#3	2206.4	31009.	4407.2

Sample Name: ICV Acquired: 10/12/2011 19:08:06 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125600.	2507.	1246.	10210.	1003.	126500.
Stddev	217.	6.	1.	5.	3.	439.
%RSD	.1731	.2396	.0655	.0458	.3343	.3467

#1	125400.	2501.	1245.	10210.	999.8	125900.
#2	125600.	2513.	1246.	10210.	1004.	126700.
#3	125800.	2508.	1246.	10220.	1006.	126700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1276.	2531.	5105.	12600.	102100.	49990.
Stddev	1.	1.	2.	46.	617.	243.
%RSD	.0449	.0500	.0382	.3653	.6045	.4852

#1	1276.	2530.	5104.	12550.	101500.	49710.
#2	1276.	2531.	5104.	12610.	102200.	50130.
#3	1277.	2533.	5107.	12630.	102700.	50130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126200.	5196.	124000.	2565.	7647.	1017.
Stddev	98.	16.	596.	3.	8.	6.
%RSD	.0774	.3088	.4807	.1030	.1041	.6121

#1	126000.	5178.	123300.	2562.	7638.	1012.
#2	126200.	5201.	124400.	2567.	7653.	1024.
#3	126200.	5208.	124300.	2567.	7651.	1014.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 10/12/2011 19:08:06 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2475.	2594.	2532.	2521.	1007.	2541.
Stddev	8.	4.	16.	4.	3.	1.
%RSD	.3210	.1457	.6292	.1751	.3388	.0344

#1	2466.	2594.	2516.	2516.	1003.	2540.
#2	2481.	2598.	2532.	2524.	1009.	2542.
#3	2479.	2590.	2548.	2524.	1008.	2540.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1013.	5102.	9983.
Stddev	2.	19.	23.
%RSD	.2341	.3713	.2291

#1	1011.	5080.	9958.
#2	1012.	5113.	9989.
#3	1015.	5113.	10000.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2311.8	32043.	4439.9
Stddev	5.6	116.	8.8
%RSD	.24009	.36118	.19845

#1	2316.5	32175.	4449.2
#2	2313.1	31996.	4438.6
#3	2305.7	31959.	4431.8

Sample Name: CCB Acquired: 10/12/2011 19:11:26 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1681	-.7507	-.6339	.6164	.0247	4.174
Stddev	10.37	1.164	.1627	.1738	.0618	15.89
%RSD	6169.	155.1	25.67	28.20	250.6	380.7

#1	.5486	-2.081	-.6439	.7558	.0082	-13.46
#2	-10.88	.0835	-.7915	.6718	-.0273	8.604
#3	9.823	-.2545	-.4664	.4217	.0931	17.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1421	.2160	.8257	-3.135	-3.971	5.639
Stddev	.0766	.0267	.3741	2.526	12.87	22.89
%RSD	53.94	12.36	45.31	80.56	324.2	406.0

#1	.2297	.1989	1.090	-6.000	-17.50	-11.54
#2	.1084	.2467	.3977	-1.227	8.128	-3.177
#3	.0880	.2022	.9892	-2.180	-2.541	31.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.154	.2242	13.10	.3961	-.9634	.2081
Stddev	1.527	.0503	4.78	.1605	2.321	2.305
%RSD	18.73	22.44	36.48	40.53	240.9	1108.

#1	9.909	.1705	13.63	.5488	-3.613	2.835
#2	7.126	.2320	8.078	.4108	.0079	-.7323
#3	7.427	.2702	17.59	.2288	.7145	-1.478

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 19:11:26 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.489	1.380	.4333	.1750	3.985	1.490
Stddev	.952	.475	.0486	.0921	.347	.526
%RSD	63.92	34.42	11.22	52.62	8.711	35.27
#1	.3904	1.489	.4894	.2400	4.268	2.024
#2	2.060	1.791	.4083	.2153	4.088	1.474
#3	2.017	.8601	.4024	.0696	3.598	.9729

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.8451	.1527	1.213
Stddev	.2064	.0920	.977
%RSD	24.43	60.22	80.55
#1	.8641	.0496	1.946
#2	.6299	.1824	1.589
#3	1.041	.2261	.1038

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2520.1	35160.	4550.1
Stddev	11.1	247.	16.2
%RSD	.44012	.70302	.35685
#1	2531.4	35432.	4568.4
#2	2519.7	34949.	4544.6
#3	2509.3	35098.	4537.4

Sample Name: IC5A 1165859 Acquired: 10/12/2011 19:15:10 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	502100.	.5548	.1482	2.112	-.1191	472200.
Stddev	1804.	2.232	.7313	.051	.1386	926.
%RSD	.3593	402.2	493.3	2.427	116.4	.1961

#1	500400.	.7698	.2516	2.053	-.2774	471400.
#2	504000.	-1.777	-.6293	2.144	-.0603	473200.
#3	501900.	2.671	.8224	2.140	-.0195	471800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1234	-.6468	1.371	-4.668	201300.	-9.023
Stddev	.1423	.2589	.142	2.843	1540.	56.74
%RSD	115.4	40.03	10.33	60.91	.7654	628.8

#1	.2436	-.4041	1.225	-3.789	200100.	-74.06
#2	-.0338	-.6169	1.508	-2.368	203000.	30.33
#3	.1604	-.9194	1.381	-7.847	200700.	16.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	510800.	-2.631	-133.5	-.7220	3.455	-.0472
Stddev	3213.	.109	15.6	.1687	2.068	2.596
%RSD	.6290	4.127	11.67	23.37	59.87	5496.

#1	507300.	-2.587	-141.3	-.6179	2.110	-1.586
#2	513700.	-2.551	-115.6	-.9166	5.837	-1.506
#3	511400.	-2.755	-143.7	-.6315	2.419	2.950

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: IC5A 1165859 Acquired: 10/12/2011 19:15:10 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.9287	-4.322	-2.282	-0.9586	-1.499	-2.684
Stddev	4.354	1.182	1.000	.6632	.896	.226
%RSD	468.9	27.34	43.83	69.18	59.80	8.411
#1	-5.712	-5.578	-1.742	-.1960	-2.503	-2.610
#2	.1215	-4.159	-1.668	-1.400	-.7807	-2.504
#3	2.805	-3.231	-3.436	-1.280	-1.212	-2.937

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1.489	-2.603	-10.74
Stddev	.789	.195	1.51
%RSD	52.99	7.488	14.05
#1	.7495	-2.430	-9.440
#2	1.398	-2.814	-12.40
#3	2.319	-2.566	-10.38

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2263.7	30215.	4403.9
Stddev	5.4	123.	6.7
%RSD	.23982	.40751	.15311
#1	2259.2	30227.	4403.5
#2	2269.7	30087.	4397.4
#3	2262.2	30333.	4410.9

Sample Name: ICSAB 1165868 Acquired: 10/12/2011 19:18:52 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504500.	100.5	104.5	101.8	99.34	471900.
Stddev	217.	2.4	.9	.2	.31	1158.
%RSD	.0429	2.389	.8221	.2183	.3083	.2453

#1	504600.	99.02	105.0	102.0	99.60	472400.
#2	504700.	103.3	105.0	101.8	99.42	472800.
#3	504300.	99.28	103.5	101.6	99.00	470600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	97.27	95.61	103.2	91.66	200300.	10320.
Stddev	.12	.47	.3	1.87	811.	20.
%RSD	.1223	.4878	.2923	2.039	.4050	.1903

#1	97.18	95.25	103.0	90.27	200100.	10310.
#2	97.41	95.44	103.6	93.78	199600.	10350.
#3	97.23	96.14	103.1	90.93	201200.	10320.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	515100.	100.4	10220.	94.79	98.07	96.06
Stddev	3355.	.2	65.	.23	1.28	1.64
%RSD	.6514	.2255	.6340	.2384	1.305	1.707

#1	511300.	100.3	10270.	94.72	97.28	94.90
#2	517300.	100.4	10240.	95.04	99.55	95.34
#3	516800.	100.7	10150.	94.61	97.39	97.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1165868 Acquired: 10/12/2011 19:18:52 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	87.72	94.47	99.26	93.92	93.99	94.23
Stddev	6.85	5.38	.23	.13	.66	.32
%RSD	7.809	5.693	.2267	.1359	.7002	.3421
#1	81.80	100.3	99.20	94.05	94.19	93.98
#2	86.14	93.28	99.06	93.93	93.25	94.11
#3	95.22	89.79	99.50	93.79	94.52	94.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	92.18	111.1	85.87
Stddev	1.23	.3	.86
%RSD	1.337	.3017	.9970
#1	93.42	111.1	86.73
#2	90.96	111.4	85.87
#3	92.16	110.7	85.02

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2266.3	30445.	4404.8
Stddev	6.8	125.	23.8
%RSD	.30179	.41170	.54141
#1	2274.2	30480.	4415.1
#2	2262.6	30548.	4377.5
#3	2262.0	30305.	4421.8

Sample Name: INT-10 1165870 Acquired: 10/12/2011 19:22:27 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.19	-6.877	.7472	-1.488	-.4765	67.04
Stddev	8.85	1.605	.5817	.178	.0044	4.71
%RSD	51.51	23.34	77.85	11.99	.9145	7.028
#1	13.24	-6.325	.3289	-1.418	-.4724	65.46
#2	27.33	-8.685	.5012	-1.691	-.4811	63.33
#3	11.00	-5.620	1.412	-1.355	-.4760	72.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7595	10900.	10160.	-11.89	-27.45	-7.277
Stddev	.0436	16.	6.	2.37	11.91	58.65
%RSD	5.735	.1445	.0602	19.93	43.38	806.0
#1	-.8000	10910.	10150.	-10.06	-41.15	-26.85
#2	-.7651	10900.	10170.	-11.04	-19.66	-53.64
#3	-.7134	10880.	10160.	-14.57	-21.52	58.65

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	113.9	10550.	14.63	11030.	-2.840	-2.278
Stddev	4.3	61.	16.02	19.	1.359	.851
%RSD	3.791	.5752	109.5	.1721	47.85	37.34
#1	118.3	10480.	11.01	11040.	-4.321	-2.968
#2	113.8	10590.	.7224	11040.	-1.650	-1.328
#3	109.7	10570.	32.15	11010.	-2.549	-2.538

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1165870 Acquired: 10/12/2011 19:22:27 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.081	2.812	4954.	-4.388	-2.059	5089.
Stddev	4.706	1.122	11.	.295	.931	5.
%RSD	77.39	39.89	.2149	6.714	45.21	.0958
#1	2.778	4.051	4946.	-4.538	-2.746	5091.
#2	3.996	2.517	4966.	-4.578	-2.431	5093.
#3	11.47	1.867	4950.	-4.049	-.9998	5084.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	10330.	10180.	9846.
Stddev	24.	34.	17.
%RSD	.2333	.3294	.1682
#1	10350.	10200.	9849.
#2	10340.	10140.	9829.
#3	10310.	10200.	9861.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2438.6	35020.	4544.5
Stddev	3.2	27.	7.7
%RSD	.13073	.07606	.16892
#1	2439.9	35041.	4539.7
#2	2435.0	34990.	4540.5
#3	2440.9	35028.	4553.4

Sample Name: 460-31914-A-6-B@4 Acquired: 10/12/2011 19:26:17 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55520.	15.82	-6842	493.6	2.639	7660.
Stddev	79.	1.41	.3740	1.1	.035	17.
%RSD	.1416	8.913	54.66	.2276	1.340	.2222

#1	55430.	14.90	-.2560	492.3	2.652	7658.
#2	55570.	15.12	-.9466	494.5	2.599	7677.
#3	55560.	17.44	-.8500	493.9	2.666	7643.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5598	41.65	96.33	113.9	104800.	9831.
Stddev	.1462	.17	.34	4.1	301.	25.
%RSD	26.12	.4151	.3541	3.622	.2874	.2495

#1	.7266	41.83	95.95	116.9	105200.	9833.
#2	.4537	41.65	96.44	109.2	104600.	9806.
#3	.4992	41.48	96.60	115.5	104800.	9855.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20290.	1755.	1548.	87.87	467.4	-.4013
Stddev	68.	1.	4.	.43	2.8	1.644
%RSD	.3362	.0844	.2789	.4932	.5894	409.7

#1	20220.	1754.	1553.	88.31	464.3	-1.568
#2	20310.	1754.	1544.	87.86	468.5	-1.115
#3	20350.	1756.	1547.	87.44	469.4	1.479

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-A-6-B@4 Acquired: 10/12/2011 19:26:17 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.896	-1.571	122.9	386.7	36.78	3.868
Stddev	3.789	2.615	.3	1.4	.64	.876
%RSD	130.8	166.4	.2234	.3698	1.747	22.65
#1	.1733	-4.159	123.2	385.1	36.91	4.759
#2	-7.131	-1.625	122.8	387.1	36.08	3.839
#3	-1.730	1.070	122.7	387.9	37.34	3.007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	26.88	67.30	1617.
Stddev	.35	.27	2.
%RSD	1.309	.4065	.1359
#1	26.94	67.40	1618.
#2	27.19	67.51	1619.
#3	26.50	66.99	1615.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2595.0	35682.	4742.6
Stddev	6.2	116.	16.8
%RSD	.24028	.32550	.35392
#1	2602.1	35551.	4761.9
#2	2592.2	35770.	4731.9
#3	2590.6	35726.	4733.9

Sample Name: 460-31914-D-7-O@4 Acquired: 10/12/2011 19:29:47 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46310.	20.97	-4.970	421.3	2.237	11740.
Stddev	44.	1.09	.9745	1.3	.075	61.
%RSD	.0958	5.201	196.1	.3181	3.356	.5188

#1	46350.	19.93	.5513	419.8	2.202	11670.
#2	46300.	20.87	-.6671	422.1	2.324	11770.
#3	46260.	22.10	-1.375	422.1	2.187	11780.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6209	29.60	70.08	140.8	80620.	5382.
Stddev	.1235	.22	.59	2.1	698.	39.
%RSD	19.89	.7355	.8372	1.474	.8657	.7314

#1	.7319	29.36	70.42	141.0	79830.	5343.
#2	.4879	29.66	69.40	142.8	80870.	5383.
#3	.6429	29.78	70.41	138.7	81150.	5421.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14650.	1645.	1382.	65.77	921.4	1.758
Stddev	66.	8.	17.	.54	3.5	2.544
%RSD	.4502	.4884	1.210	.8186	.3758	144.7

#1	14580.	1637.	1373.	65.34	917.8	4.693
#2	14670.	1645.	1372.	65.60	921.6	.4029
#3	14710.	1653.	1402.	66.37	924.8	.1792

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-D-7-O@4 Acquired: 10/12/2011 19:29:47 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.662	-3.144	95.31	340.6	21.56	2.658
Stddev	3.006	1.283	.80	.7	.46	.208
%RSD	112.9	40.80	.8351	.2001	2.121	7.810
#1	6.072	-4.100	94.52	340.1	22.09	2.742
#2	.3997	-3.647	95.29	340.3	21.32	2.811
#3	1.514	-1.686	96.12	341.4	21.27	2.422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	16.88	73.77	1018.
Stddev	.81	.20	2.
%RSD	4.806	.2712	.1920
#1	17.68	73.55	1019.
#2	16.06	73.93	1016.
#3	16.90	73.82	1020.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2629.3	35959.	4786.2
Stddev	4.9	105.	10.8
%RSD	.18530	.29198	.22599
#1	2624.4	36071.	4788.4
#2	2629.5	35862.	4795.8
#3	2634.2	35945.	4774.5

Sample Name: 460-31914-A-8-E@4 Acquired: 10/12/2011 19:33:17 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33520.	9.788	-0.0109	593.9	1.287	23100.
Stddev	209.	2.699	.3537	3.1	.111	122.
%RSD	.6236	27.58	3258.	.5251	8.636	.5299

#1	33310.	11.88	-.3689	590.3	1.159	22960.
#2	33530.	6.741	-.0020	595.6	1.360	23130.
#3	33730.	10.74	.3383	595.7	1.342	23200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.018	31.63	234.3	222.3	75750.	3690.
Stddev	.042	.49	1.8	.9	121.	11.
%RSD	4.123	1.553	.7882	.4152	.1602	.2999

#1	.9723	31.88	232.6	221.7	75610.	3685.
#2	1.027	31.07	234.0	223.4	75830.	3703.
#3	1.055	31.95	236.3	221.9	75810.	3683.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18210.	3738.	3231.	74.18	218.7	1.603
Stddev	46.	12.	6.	.72	1.3	1.403
%RSD	.2541	.3283	.1923	.9656	.5762	87.54

#1	18160.	3725.	3225.	73.41	217.4	1.841
#2	18220.	3742.	3238.	74.31	219.9	.0958
#3	18250.	3748.	3231.	74.82	218.9	2.871

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-A-8-E@4 Acquired: 10/12/2011 19:33:17 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.850	-.2742	121.6	266.4	17.00	2.347
Stddev	1.829	.8170	.5	1.1	.51	.324
%RSD	64.16	298.0	.4361	.4059	2.971	13.81
#1	-0.9146	-1.181	121.2	265.2	17.21	2.392
#2	-4.549	-.0455	122.2	267.0	16.42	2.003
#3	-3.088	.4041	121.5	267.1	17.37	2.647

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	23.43	93.75	2739.
Stddev	.51	.60	13.
%RSD	2.193	.6424	.4761
#1	23.98	93.24	2726.
#2	22.97	93.60	2740.
#3	23.33	94.42	2752.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2576.9	35419.	4693.9
Stddev	4.2	89.	12.9
%RSD	.16446	.25094	.27451
#1	2581.7	35457.	4698.7
#2	2575.2	35483.	4679.3
#3	2573.7	35318.	4703.6

Sample Name: 460-31914-D-9-D@4 Acquired: 10/12/2011 19:36:47 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54300.	12.88	-1.065	505.2	2.176	5946.
Stddev	53.	3.01	.955	.7	.162	25.
%RSD	.0974	23.35	89.63	.1456	7.466	.4198

#1	54250.	12.95	-.4477	505.8	2.287	5927.
#2	54310.	9.836	-2.165	505.4	2.251	5974.
#3	54350.	15.85	-.5830	504.4	1.989	5937.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9660	34.56	1118.	107.9	92620.	5690.
Stddev	.0898	.17	3.	2.1	485.	50.
%RSD	9.296	.4773	.2352	1.955	.5239	.8752

#1	.9800	34.38	1116.	107.1	92480.	5683.
#2	1.048	34.70	1117.	106.3	92220.	5743.
#3	.8700	34.61	1121.	110.3	93160.	5644.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17060.	1748.	957.0	79.95	558.2	1.083
Stddev	50.	7.	8.7	.49	.7	2.595
%RSD	.2941	.3822	.9128	.6123	.1274	239.7

#1	17020.	1745.	953.1	80.37	558.2	-1.208
#2	17040.	1743.	967.0	79.42	558.9	3.901
#3	17120.	1755.	950.8	80.07	557.5	.5548

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-D-9-D@4 Acquired: 10/12/2011 19:36:47 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.216	-.0742	90.35	553.8	22.21	2.413
Stddev	1.230	3.003	.67	.9	.40	.217
%RSD	101.2	4047.	.7422	.1691	1.792	8.982
#1	-2.003	1.717	90.35	552.8	21.80	2.163
#2	.2015	1.601	89.68	554.6	22.24	2.555
#3	-1.846	-3.541	91.02	554.1	22.59	2.520

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	49.89	82.83	889.3
Stddev	.44	.40	2.4
%RSD	.8727	.4808	.2724
#1	49.64	82.37	887.6
#2	50.40	83.06	892.0
#3	49.64	83.05	888.2

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2577.5	35388.	4712.0
Stddev	.6	172.	13.6
%RSD	.02358	.48472	.28841
#1	2577.5	35388.	4727.6
#2	2578.1	35559.	4706.0
#3	2576.9	35216.	4702.5

Sample Name: 460-31914-A-10-D@4 Acquired: 10/12/2011 19:40:17 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37420.	12.02	-4985	1571.	1.263	27350.
Stddev	75.	1.45	.8295	2.	.092	5.
%RSD	.1997	12.05	166.4	.1086	7.268	.0197

#1	37340.	10.44	.0609	1569.	1.179	27350.
#2	37460.	13.28	-.1047	1572.	1.249	27350.
#3	37470.	12.34	-1.452	1572.	1.361	27360.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.127	45.75	241.9	247.1	97830.	5571.
Stddev	.037	.18	.4	2.9	89.	6.
%RSD	1.751	.4034	.1765	1.175	.0912	.1117

#1	2.084	45.95	242.3	249.3	97940.	5578.
#2	2.147	45.70	242.0	248.2	97780.	5571.
#3	2.149	45.59	241.5	243.9	97780.	5565.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31330.	1673.	4933.	132.2	193.0	.1393
Stddev	24.	2.	25.	.6	1.6	2.418
%RSD	.0750	.0955	.5086	.4346	.8190	1735.

#1	31310.	1675.	4961.	132.7	194.7	.0952
#2	31340.	1672.	4912.	132.2	191.6	-2.256
#3	31350.	1673.	4927.	131.6	192.7	2.579

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-A-10-D@4 Acquired: 10/12/2011 19:40:17 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.178	1.175	125.7	492.6	25.22	19.90
Stddev	4.580	1.360	.6	.8	.45	.25
%RSD	210.3	115.7	.4701	.1556	1.778	1.267
#1	-4.831	2.745	125.5	491.8	24.97	19.93
#2	-4.815	.3395	125.2	492.8	25.74	20.14
#3	3.110	.4417	126.4	493.3	24.96	19.64

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	16.94	141.9	3502.
Stddev	.37	.4	4.
%RSD	2.181	.2643	.1026
#1	16.51	141.5	3498.
#2	17.18	142.1	3504.
#3	17.12	142.2	3505.

Check ? Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2586.2	35372.	4713.4
Stddev	3.7	37.	23.5
%RSD	.14409	.10350	.49903
#1	2583.5	35333.	4687.4
#2	2590.5	35376.	4733.1
#3	2584.6	35406.	4719.6

Sample Name: 460-31914-A-11-B@4 Acquired: 10/12/2011 19:43:47 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51690.	14.25	.5410	855.5	3.061	15460.
Stddev	205.	.85	.3496	1.9	.122	47.
%RSD	.3956	5.986	64.63	.2203	3.996	.3020

#1	51460.	13.46	.1384	853.4	2.982	15490.
#2	51840.	14.12	.7678	856.0	3.201	15410.
#3	51770.	15.15	.7169	857.1	2.999	15490.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5711	48.15	103.6	130.1	115700.	11200.
Stddev	.0827	.11	.9	2.0	192.	71.
%RSD	14.49	.2313	.8238	1.569	.1658	.6373

#1	.4772	48.13	102.6	132.4	115600.	11190.
#2	.6028	48.27	104.3	128.5	115700.	11130.
#3	.6332	48.05	103.9	129.4	116000.	11270.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24070.	8289.	2790.	104.1	1466.	2.793
Stddev	96.	39.	23.	.2	.	2.009
%RSD	.3974	.4744	.8107	.1720	.0150	71.92

#1	24020.	8243.	2816.	104.3	1466.	4.720
#2	24000.	8311.	2775.	104.1	1466.	2.948
#3	24180.	8311.	2778.	103.9	1466.	.7114

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-A-11-B@4 Acquired: 10/12/2011 19:43:47 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.917	4.858	129.9	1002.	39.13	1.472
Stddev	3.812	1.641	.7	3.	1.06	.196
%RSD	77.52	33.77	.5231	.2814	2.720	13.33
#1	-6.663	3.457	129.2	999.0	39.00	1.675
#2	-7.543	6.662	130.6	1005.	40.26	1.459
#3	-.5448	4.454	129.9	1002.	38.14	1.283

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	49.41	76.38	1738.
Stddev	.81	.26	4.
%RSD	1.647	.3383	.2032
#1	48.61	76.50	1735.
#2	49.39	76.08	1742.
#3	50.24	76.55	1738.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2614.9	35716.	4766.1
Stddev	5.9	30.	18.4
%RSD	.22487	.08327	.38516
#1	2614.5	35731.	4748.2
#2	2609.2	35681.	4765.2
#3	2620.9	35735.	4784.9

Sample Name: 460-31914-F-12-D@4 Acquired: 10/12/2011 19:47:27 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38970.	26.12	.7890	711.5	2.414	14240.
Stddev	31.	.76	.8758	1.2	.109	43.
%RSD	.0799	2.898	111.0	.1616	4.521	.3001

#1	38960.	25.54	1.762	710.2	2.532	14250.
#2	39010.	26.98	.5397	711.9	2.396	14190.
#3	38950.	25.86	.0649	712.4	2.316	14270.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.342	38.00	95.56	180.7	99780.	8787.
Stddev	.199	.33	.41	7.1	375.	37.
%RSD	14.86	.8697	.4333	3.907	.3753	.4230

#1	1.112	37.67	95.21	181.0	99990.	8749.
#2	1.470	38.33	95.46	173.4	99340.	8823.
#3	1.443	38.00	96.02	187.5	99990.	8790.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17490.	2387.	1976.	88.83	1127.	2.561
Stddev	51.	3.	26.	.43	2.	.667
%RSD	.2910	.1258	1.341	.4880	.1788	26.05

#1	17540.	2389.	1953.	89.17	1129.	2.939
#2	17500.	2384.	1972.	88.98	1127.	1.791
#3	17440.	2390.	2005.	88.34	1125.	2.953

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-F-12-D@4 Acquired: 10/12/2011 19:47:27 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.671	1.038	122.3	1054.	30.81	2.176
Stddev	1.702	2.186	.6	2.	1.30	.222
%RSD	101.8	210.6	.5099	.2310	4.226	10.19
#1	-3.406	3.084	122.3	1057.	32.01	1.981
#2	-.0048	1.297	121.7	1052.	31.00	2.417
#3	-1.603	-1.266	122.9	1052.	29.42	2.129

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	63.51	91.46	1449.
Stddev	1.07	.43	5.
%RSD	1.683	.4722	.3506
#1	62.92	91.45	1447.
#2	62.87	91.04	1454.
#3	64.74	91.90	1445.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2607.6	35713.	4744.9
Stddev	4.7	79.	25.8
%RSD	.17989	.22247	.54447
#1	2606.4	35681.	4763.3
#2	2612.8	35803.	4755.9
#3	2603.7	35654.	4715.3

Sample Name: CCV Acquired: 10/12/2011 19:50:59 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	2497.	1247.	10170.	1012.	127100.
Stddev	514.	5.	3.	9.	5.	604.
%RSD	.4078	.2146	.2612	.0911	.4859	.4749

#1	125600.	2503.	1244.	10170.	1007.	126500.
#2	126100.	2492.	1250.	10180.	1012.	127000.
#3	126700.	2497.	1246.	10160.	1017.	127700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1270.	2513.	5109.	12690.	103500.	50390.
Stddev	1.	6.	6.	36.	382.	152.
%RSD	.0901	.2189	.1268	.2799	.3696	.3013

#1	1271.	2520.	5102.	12660.	103200.	50260.
#2	1270.	2511.	5115.	12680.	103900.	50350.
#3	1269.	2510.	5110.	12730.	103300.	50560.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125100.	5250.	125200.	2547.	7599.	1013.
Stddev	160.	18.	476.	2.	3.	6.
%RSD	.1278	.3520	.3804	.0794	.0390	.5986

#1	125100.	5233.	124900.	2550.	7601.	1011.
#2	125300.	5270.	125000.	2547.	7595.	1020.
#3	125000.	5248.	125800.	2546.	7600.	1009.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 19:50:59 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2456.	2562.	2571.	2507.	998.9	2533.
Stddev	12.	2.	11.	3.	.3	1.
%RSD	.4916	.0628	.4261	.1127	.0291	.0499

#1	2448.	2564.	2564.	2510.	999.0	2534.
#2	2470.	2561.	2584.	2505.	999.2	2534.
#3	2449.	2562.	2565.	2506.	998.6	2532.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1007.	5145.	9990.
Stddev	2.	22.	47.
%RSD	.1885	.4304	.4657

#1	1009.	5124.	9946.
#2	1006.	5143.	9986.
#3	1006.	5169.	10040.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2317.6	31683.	4405.4
Stddev	2.3	90.	23.2
%RSD	.09960	.28264	.52698

#1	2318.6	31785.	4427.8
#2	2319.3	31617.	4406.9
#3	2315.0	31648.	4381.5

Sample Name: CCB Acquired: 10/12/2011 19:54:19 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9310	.8447	-.5230	.4606	.0819	-16.41
Stddev	6.220	.7319	.7049	.3098	.0311	12.98
%RSD	668.1	86.65	134.8	67.26	37.99	79.07

#1	6.740	.5452	-.0566	.8052	.0810	-4.034
#2	1.685	1.679	-.1785	.3719	.1136	-15.28
#3	-5.632	.3100	-1.334	.2049	.0513	-29.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2390	.2866	.2921	-3.517	8.880	-44.62
Stddev	.0287	.2764	.4121	2.898	7.557	21.20
%RSD	12.02	96.41	141.1	82.41	85.10	47.52

#1	.2059	.2615	.0639	-.1711	17.33	-20.39
#2	.2554	.5747	.0446	-5.132	6.556	-53.70
#3	.2558	.0237	.7679	-5.247	2.758	-59.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.709	.3177	2.861	.1579	.0855	.8840
Stddev	1.639	.1280	9.466	.2116	.2842	.7810
%RSD	18.82	40.29	330.8	134.0	332.4	88.35

#1	7.196	.3421	10.17	.3114	.3590	.7259
#2	10.45	.4317	6.242	.2460	.1059	1.732
#3	8.480	.1793	-7.831	-.0835	-.2083	.1942

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 19:54:19 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.017	-.9914	.4769	-.0915	1.535	.9530
Stddev	2.684	.1604	.2540	.0709	.381	.5000
%RSD	66.81	16.18	53.26	77.52	24.81	52.46
#1	6.444	-1.028	.5774	-.0974	1.194	1.530
#2	4.473	-.8159	.6654	-.1593	1.464	.6444
#3	1.135	-1.130	.1880	-.0178	1.946	.6848

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1.298	.0868	.3144
Stddev	.613	.1281	1.266
%RSD	47.25	147.6	402.6
#1	1.202	.1923	1.075
#2	1.954	.1237	-1.147
#3	.7389	-.0557	1.015

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2527.0	34845.	4519.1
Stddev	3.8	57.	18.7
%RSD	.15147	.16301	.41277
#1	2528.5	34868.	4540.5
#2	2529.9	34886.	4510.4
#3	2522.7	34780.	4506.3

Sample Name: 460-31914-A-13-B@4 Acquired: 10/12/2011 19:58:03 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49590.	15.52	.1806	5711.	2.556	23400.
Stddev	142.	2.44	.7527	20.	.030	91.
%RSD	.2856	15.75	416.7	.3457	1.167	.3881

#1	49440.	13.61	.7931	5691.	2.522	23310.
#2	49610.	14.68	.4085	5711.	2.567	23400.
#3	49720.	18.27	-.6597	5731.	2.578	23490.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	93.21	51.91	191.5	252.7	124600.	8605.
Stddev	.20	.25	.8	2.8	843.	79.
%RSD	.2165	.4757	.4352	1.106	.6763	.9165

#1	92.98	51.71	191.0	254.9	123600.	8523.
#2	93.31	52.18	190.9	249.5	125000.	8611.
#3	93.35	51.84	192.4	253.5	125200.	8681.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29480.	1847.	5853.	132.0	1627.	8.322
Stddev	148.	10.	32.	.4	6.	.971
%RSD	.5011	.5224	.5489	.2739	.3586	11.66

#1	29330.	1836.	5816.	131.6	1622.	9.064
#2	29490.	1854.	5876.	132.2	1624.	7.224
#3	29620.	1852.	5866.	132.2	1633.	8.679

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-A-13-B@4 Acquired: 10/12/2011 19:58:03 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.343	-2.624	182.7	F 5829.	149.1	8.708
Stddev	2.795	3.205	1.4	15.	.8	.085
%RSD	64.35	122.1	.7396	.2584	.5235	.9712

#1	-6.684	.8485	181.2	5815.	148.7	8.788
#2	-1.249	-3.253	183.9	5826.	148.6	8.716
#3	-5.098	-5.468	182.9	5845.	150.0	8.619

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	66.12	147.5	3638.
Stddev	.33	.4	18.
%RSD	.4963	.2901	.4890

#1	65.75	147.0	3623.
#2	66.24	147.8	3633.
#3	66.38	147.7	3658.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2604.9	35592.	4774.8
Stddev	7.3	60.	9.2
%RSD	.28149	.16752	.19282

#1	2596.5	35592.	4765.0
#2	2610.2	35532.	4776.1
#3	2607.9	35651.	4783.3

Sample Name: 460-31963-A-1-B@4 Acquired: 10/12/2011 20:01:34 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6635.	11.93	-.0372	594.8	.1522	5338.
Stddev	40.	1.52	.6665	.6	.1454	25.
%RSD	.6087	12.77	1792.	.0989	95.56	.4736

#1	6622.	12.59	-.7395	594.1	.3049	5313.
#2	6680.	10.18	.0413	595.2	.1364	5363.
#3	6602.	13.01	.5866	595.0	.0153	5337.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.035	24.36	692.5	23.86	19410.	1374.
Stddev	.025	.08	.5	3.21	31.	34.
%RSD	.2732	.3317	.0789	13.45	.1586	2.439

#1	9.059	24.44	693.2	24.54	19430.	1371.
#2	9.036	24.28	692.3	20.37	19370.	1410.
#3	9.010	24.36	692.1	26.68	19420.	1343.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	954.9	45.31	4013.	43.43	162.7	.6623
Stddev	2.9	.12	21.	.98	1.1	1.300
%RSD	.3040	.2664	.5273	2.265	.6725	196.3

#1	956.3	45.26	3995.	42.75	164.0	.0468
#2	951.6	45.23	4036.	42.98	162.3	-.2156
#3	956.9	45.45	4009.	44.56	161.9	2.156

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-1-B@4 Acquired: 10/12/2011 20:01:34 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.734	-8629	22.41	F 5773.	18.65	-6678
Stddev	1.007	1.340	.12	6.	.08	.3132
%RSD	36.84	155.3	.5146	.1063	.4183	46.90
#1	3.355	.6539	22.33	5766.	18.74	-.3542
#2	3.274	-1.357	22.54	5776.	18.62	-.6686
#3	1.572	-1.885	22.35	5778.	18.59	-.9805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	45.21	24.41	324.8
Stddev	.55	.07	1.6
%RSD	1.211	.2929	.4996
#1	44.58	24.47	325.1
#2	45.45	24.42	323.1
#3	45.60	24.33	326.3
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2547.1	35314.	4596.1
Stddev	5.1	79.	15.1
%RSD	.20036	.22366	.32867
#1	2552.4	35235.	4603.4
#2	2546.7	35314.	4578.7
#3	2542.2	35393.	4606.2

Sample Name: 460-31963-A-3-B@4 Acquired: 10/12/2011 20:05:05 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23100.	9.100	-8772	628.4	1.128	3922.
Stddev	43.	.362	.0738	.9	.081	9.
%RSD	.1858	3.981	8.416	.1437	7.149	.2368

#1	23080.	9.405	-.8558	627.9	1.213	3914.
#2	23070.	8.700	-.9594	628.0	1.053	3919.
#3	23150.	9.195	-.8165	629.5	1.118	3932.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3346	15.53	273.1	6.697	50120.	3516.
Stddev	.1636	.21	1.6	3.670	85.	61.
%RSD	48.90	1.380	.5705	54.80	.1702	1.726

#1	.4556	15.76	271.3	9.592	50180.	3471.
#2	.3998	15.47	274.1	7.931	50160.	3492.
#3	.1484	15.35	273.9	2.569	50030.	3585.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5650.	126.2	3517.	32.18	23.38	-8901
Stddev	17.	.2	23.	.20	.65	1.154
%RSD	.2965	.1505	.6653	.6158	2.771	129.6

#1	5634.	126.2	3538.	32.28	23.58	-2.153
#2	5650.	126.0	3492.	31.95	22.65	.1084
#3	5667.	126.4	3520.	32.31	23.90	-.6254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-3-B@4 Acquired: 10/12/2011 20:05:05 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.423	-.8758	89.03	65.71	6.759	.3052
Stddev	1.119	.9697	.26	.18	.827	.2249
%RSD	46.17	110.7	.2880	.2763	12.24	73.70
#1	2.329	-.2345	89.12	65.52	6.864	.5632
#2	1.355	-.4016	89.22	65.88	5.884	.1504
#3	3.586	-1.991	88.74	65.73	7.528	.2020

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	3.906	27.48	307.6
Stddev	.287	.03	.4
%RSD	7.342	.0973	.1245
#1	3.978	27.50	307.2
#2	3.590	27.48	307.7
#3	4.149	27.45	308.0

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2573.7	35458.	4678.1
Stddev	1.1	46.	18.9
%RSD	.04261	.12946	.40437
#1	2572.5	35508.	4664.7
#2	2574.4	35448.	4699.7
#3	2574.3	35418.	4669.8

Sample Name: 460-31963-A-4-B@4 Acquired: 10/12/2011 20:08:39 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23750.	11.20	-1.038	983.6	1.037	15300.
Stddev	108.	.34	.673	4.0	.057	79.
%RSD	.4527	2.992	64.88	.4108	5.460	.5168

#1	23640.	10.84	-.8369	979.0	1.090	15210.
#2	23760.	11.51	-.4879	985.3	1.043	15330.
#3	23860.	11.24	-1.789	986.5	.9771	15360.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2265	18.93	1602.	7.572	48300.	3080.
Stddev	.0401	.19	8.	1.359	674.	71.
%RSD	17.72	1.016	.4969	17.95	1.396	2.293

#1	.2727	19.02	1593.	6.806	47570.	2998.
#2	.1999	18.71	1605.	6.768	48900.	3117.
#3	.2071	19.06	1607.	9.141	48430.	3123.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6859.	159.4	3376.	51.63	30.43	-1.190
Stddev	51.	1.2	28.	.33	.84	1.213
%RSD	.7474	.7830	.8377	.6484	2.762	102.0

#1	6801.	158.0	3344.	51.78	30.11	-2.590
#2	6878.	160.3	3394.	51.25	29.81	-.4390
#3	6899.	159.8	3391.	51.87	31.39	-.5413

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-4-B@4 Acquired: 10/12/2011 20:08:39 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.803	-2.216	104.7	89.70	7.335	2.362
Stddev	1.797	2.078	1.6	.69	.639	.207
%RSD	641.0	93.75	1.513	.7716	8.709	8.766
#1	2.323	-.6475	102.9	89.01	6.640	2.155
#2	-.4292	-4.572	105.8	89.70	7.470	2.362
#3	-1.053	-1.428	105.4	90.39	7.896	2.569

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	3.615	26.01	296.7
Stddev	.856	.22	3.1
%RSD	23.69	.8515	1.059
#1	4.373	25.79	294.6
#2	3.786	26.03	295.2
#3	2.686	26.23	300.3

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2555.4	35164.	4645.8
Stddev	6.1	142.	10.0
%RSD	.23917	.40300	.21564
#1	2558.7	35297.	4641.9
#2	2559.2	35015.	4657.1
#3	2548.4	35181.	4638.2

Sample Name: 460-32010-D-5-D@4 Acquired: 10/12/2011 20:12:13 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40070.	23.07	-3846	849.1	1.716	63360.
Stddev	55.	.26	.5546	2.4	.054	195.
%RSD	.1379	1.148	144.2	.2773	3.153	.3083

#1	40000.	22.98	-.7305	846.4	1.654	63140.
#2	40100.	23.37	.2551	850.9	1.754	63510.
#3	40100.	22.86	-.6784	850.0	1.741	63430.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.243	24.73	59.45	81.06	67760.	1528.
Stddev	.154	.35	.28	.90	218.	22.
%RSD	6.879	1.413	.4705	1.116	.3211	1.461

#1	2.076	24.62	59.67	81.94	67600.	1538.
#2	2.271	25.12	59.55	81.09	67690.	1502.
#3	2.381	24.45	59.13	80.14	68010.	1542.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18710.	1618.	2273.	40.58	730.8	6.909
Stddev	80.	4.	14.	.90	3.6	1.449
%RSD	.4264	.2708	.6079	2.213	.4896	20.98

#1	18620.	1613.	2260.	39.55	727.1	7.487
#2	18770.	1618.	2271.	41.21	731.1	5.260
#3	18740.	1622.	2288.	40.98	734.3	7.980

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32010-D-5-D@4 Acquired: 10/12/2011 20:12:13 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.144	-7.621	88.73	677.4	5.740	2.423
Stddev	3.523	.8142	.30	1.3	.778	.313
%RSD	307.9	106.8	.3373	.1978	13.56	12.90
#1	2.531	-1.416	89.00	676.0	6.584	2.772
#2	-4.491	.1499	88.41	677.6	5.051	2.325
#3	-1.471	-1.021	88.77	678.6	5.584	2.171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	20.98	255.6	951.2
Stddev	1.36	.7	3.3
%RSD	6.459	.2573	.3440
#1	22.23	255.0	947.5
#2	21.17	256.3	952.9
#3	19.54	255.6	953.3

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2630.1	35955.	4818.4
Stddev	1.9	98.	11.2
%RSD	.07055	.27288	.23339
#1	2632.0	35974.	4829.0
#2	2630.2	36043.	4819.6
#3	2628.3	35849.	4806.7

Sample Name: 460-31963-A-7-B@4 Acquired: 10/12/2011 20:15:43 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13820.	2.034	-8873	99.04	.2742	12010.
Stddev	73.	1.476	.4754	.39	.0660	65.
%RSD	.5316	72.59	53.58	.3944	24.09	.5413

#1	13770.	.3621	-1.315	98.62	.3494	11970.
#2	13790.	2.581	-3752	99.11	.2475	11990.
#3	13910.	3.159	-9722	99.39	.2257	12090.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0925	11.51	761.6	4.558	12920.	1786.
Stddev	.0866	.43	4.0	1.914	69.	49.
%RSD	93.65	3.761	.5253	41.99	.5377	2.737

#1	.1573	11.25	758.2	5.275	12840.	1731.
#2	.1261	12.01	760.6	6.011	12940.	1824.
#3	-.0059	11.28	766.0	2.389	12970.	1804.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5104.	130.9	545.6	34.85	22.51	1.890
Stddev	37.	.5	15.5	.53	.83	1.293
%RSD	.7213	.3912	2.846	1.533	3.699	68.38

#1	5065.	130.4	533.5	34.24	21.57	2.902
#2	5108.	131.0	563.1	35.12	22.85	.4340
#3	5139.	131.4	540.2	35.21	23.13	2.335

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-7-B@4 Acquired: 10/12/2011 20:15:43 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.958	.1344	20.81	48.94	5.831	.5014
Stddev	3.610	1.223	.57	.37	.980	.3705
%RSD	184.4	910.2	2.748	.7566	16.81	73.90
#1	-1.731	1.290	20.15	48.51	6.952	.9255
#2	5.483	.2597	21.17	49.13	5.137	.2405
#3	2.123	-1.147	21.11	49.16	5.404	.3381

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1.777	12.78	403.3
Stddev	.849	.19	2.0
%RSD	47.80	1.465	.4904
#1	.8308	12.57	403.0
#2	2.025	12.85	401.5
#3	2.474	12.93	405.4

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2533.2	35163.	4598.2
Stddev	5.6	76.	30.6
%RSD	.22172	.21593	.66439
#1	2539.2	35244.	4565.6
#2	2532.4	35151.	4626.1
#3	2528.0	35094.	4602.8

Sample Name: 460-31914-E-14-D DU@ Acquired: 10/12/2011 20:19:19 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14730.	23.64	-3667	170.0	.0699	813.3
Stddev	26.	.59	.7190	.4	.0887	5.6
%RSD	.1763	2.516	196.1	.2140	127.0	.6923
#1	14720.	23.07	.1417	169.7	.1697	819.8
#2	14760.	23.59	-.0524	170.4	.0003	810.7
#3	14710.	24.26	-1.189	169.9	.0395	809.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6426	5.405	114.2	22.22	35580.	1851.
Stddev	.1253	.270	.4	2.44	241.	20.
%RSD	19.50	4.992	.3116	10.97	.6786	1.055
#1	.7596	5.253	114.5	22.18	35300.	1846.
#2	.6579	5.246	113.8	24.68	35740.	1872.
#3	.5104	5.717	114.1	19.80	35700.	1834.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3194.	173.3	1824.	13.71	144.8	2.432
Stddev	9.	.4	8.	.03	.9	2.139
%RSD	.2663	.2558	.4646	.2127	.6477	87.95
#1	3197.	172.8	1815.	13.68	144.1	4.430
#2	3185.	173.5	1824.	13.72	144.4	2.688
#3	3201.	173.7	1832.	13.74	145.9	.1764

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-31914-E-14-D DU@ Acquired: 10/12/2011 20:19:19 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0828	-1.015	44.47	52.41	16.32	2.375
Stddev	.6208	1.338	.76	.11	.79	.237
%RSD	750.1	131.8	1.717	.2029	4.866	9.988
#1	.7497	-.1317	43.61	52.43	16.87	2.587
#2	-.0231	-2.554	45.09	52.50	15.41	2.419
#3	-.4783	-.3593	44.70	52.29	16.69	2.118

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	6.393	10.26	837.9
Stddev	.447	.07	1.9
%RSD	6.994	.6930	.2271
#1	6.806	10.33	837.5
#2	5.919	10.27	836.2
#3	6.454	10.19	840.0

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2558.7	35255.	4616.0
Stddev	3.4	210.	25.4
%RSD	.13427	.59594	.54961
#1	2562.0	35493.	4642.6
#2	2555.2	35096.	4592.1
#3	2559.0	35176.	4613.1

Sample Name: 460-31914-E-14-C@4 Acquired: 10/12/2011 20:22:55 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18690.	27.53	-1.168	163.3	.1906	647.8
Stddev	19.	.90	.507	.3	.0432	6.5
%RSD	.1030	3.286	43.46	.1711	22.65	1.003

#1	18660.	26.82	-1.085	163.1	.1837	642.5
#2	18690.	27.22	-1.711	163.6	.2368	655.1
#3	18700.	28.55	-.7067	163.2	.1513	645.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8543	9.136	122.0	20.91	49320.	2336.
Stddev	.1309	.027	.3	1.76	191.	21.
%RSD	15.33	.2926	.2773	8.401	.3873	.8809

#1	.9495	9.138	121.7	22.72	49210.	2357.
#2	.9083	9.162	121.9	19.22	49210.	2316.
#3	.7049	9.109	122.3	20.78	49540.	2336.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5502.	253.2	1763.	21.14	109.5	1.838
Stddev	8.	.4	19.	.40	.4	3.280
%RSD	.1406	.1685	1.067	1.893	.3348	178.5

#1	5494.	253.2	1742.	21.54	109.8	3.493
#2	5509.	252.8	1773.	21.16	109.1	3.960
#3	5504.	253.7	1776.	20.74	109.7	-1.941

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-E-14-C@4 Acquired: 10/12/2011 20:22:55 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.733	1.073	58.73	74.88	17.78	2.661
Stddev	.503	.276	.51	.22	.59	.222
%RSD	29.06	25.69	.8762	.2925	3.324	8.337
#1	1.790	1.200	58.44	74.64	17.82	2.842
#2	1.203	1.263	58.43	74.93	17.17	2.414
#3	2.205	.7571	59.33	75.07	18.35	2.728

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	7.788	9.691	972.8
Stddev	.809	.105	.7
%RSD	10.39	1.083	.0690
#1	7.376	9.575	972.7
#2	8.720	9.717	972.2
#3	7.268	9.780	973.5

Check ? Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2559.1	35192.	4621.3
Stddev	7.0	115.	8.8
%RSD	.27451	.32790	.19074
#1	2551.1	35177.	4611.3
#2	2564.5	35314.	4627.9
#3	2561.5	35084.	4624.7

Sample Name: SD 460-31914-E-14-C@ Acquired: 10/12/2011 20:26:30 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3806.	6.141	-.0643	32.95	.0293	132.4
Stddev	12.	1.784	.3590	.23	.0171	5.9
%RSD	.3048	29.05	558.1	.6893	58.39	4.479
#1	3795.	8.119	-.4739	33.16	.0240	136.9
#2	3805.	5.650	.1962	32.98	.0154	125.7
#3	3818.	4.654	.0847	32.71	.0484	134.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2190	2.006	25.13	.1026	10080.	327.8
Stddev	.0233	.169	.40	1.075	37.	29.2
%RSD	10.63	8.406	1.597	1048.	.3632	8.908
#1	.1942	2.118	24.75	1.321	10050.	317.1
#2	.2405	2.088	25.10	-.7126	10070.	305.5
#3	.2221	1.812	25.55	-.3011	10120.	360.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1141.	51.82	352.0	4.583	20.31	.4810
Stddev	5.	.17	10.1	.330	.68	1.334
%RSD	.4537	.3268	2.858	7.194	3.364	277.3
#1	1135.	51.73	360.2	4.218	20.92	.0340
#2	1145.	51.72	340.8	4.670	19.57	-.5721
#3	1143.	52.02	354.9	4.860	20.42	1.981

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: SD 460-31914-E-14-C@ Acquired: 10/12/2011 20:26:30 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.264	.7119	11.64	15.30	3.831	.7439
Stddev	1.843	.3192	.23	.23	.329	.1060
%RSD	56.47	44.84	1.983	1.496	8.586	14.26
#1	3.568	.4173	11.84	15.49	4.157	.6518
#2	4.936	.6673	11.39	15.05	3.837	.7200
#3	1.288	1.051	11.69	15.37	3.500	.8598

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	2.841	1.802	193.9
Stddev	.650	.164	.9
%RSD	22.87	9.092	.4499
#1	3.507	1.969	194.9
#2	2.810	1.641	193.2
#3	2.208	1.795	193.6

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2577.5	35387.	4602.0
Stddev	6.8	120.	23.2
%RSD	.26314	.34033	.50350
#1	2585.3	35470.	4627.9
#2	2574.5	35442.	4595.1
#3	2572.7	35249.	4583.1

Sample Name: 460-31914-E-14-E MS@ Acquired: 10/12/2011 20:30:09 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28610.	966.4	23.04	1348.	25.30	11330.
Stddev	129.	4.7	.35	5.	.17	69.
%RSD	.4509	.4902	1.511	.3651	.6554	.6088

#1	28480.	968.3	22.64	1343.	25.18	11290.
#2	28620.	961.0	23.25	1349.	25.22	11300.
#3	28740.	969.9	23.23	1353.	25.49	11410.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.71	263.3	247.2	151.6	46340.	12680.
Stddev	.05	.2	1.0	4.7	208.	100.
%RSD	.1794	.0858	.3970	3.132	.4477	.7859

#1	27.66	263.0	246.4	156.7	46140.	12660.
#2	27.75	263.3	248.3	147.2	46330.	12600.
#3	27.74	263.5	247.0	151.0	46560.	12790.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14890.	506.2	11790.	280.2	420.8	233.7
Stddev	44.	2.5	92.	.4	3.8	1.1
%RSD	.2975	.5014	.7788	.1325	.8920	.4563

#1	14840.	503.6	11710.	280.0	416.6	232.5
#2	14900.	506.3	11760.	280.1	422.0	234.1
#3	14930.	508.7	11890.	280.7	423.8	234.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31914-E-14-E MS@ Acquired: 10/12/2011 20:30:09 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	930.4	1043.	312.5	332.6	253.5	251.1
Stddev	5.8	1.	.9	.3	1.7	.9
%RSD	.6222	.0631	.2863	.0937	.6717	.3388
#1	924.6	1043.	311.5	332.3	251.6	250.3
#2	930.3	1042.	312.7	332.5	253.8	250.9
#3	936.2	1044.	313.3	332.9	255.0	252.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	264.4	265.7	1016.
Stddev	.9	1.3	3.
%RSD	.3356	.4901	.2650
#1	264.1	264.8	1013.
#2	263.8	265.3	1016.
#3	265.4	267.2	1018.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2520.4	34433.	4579.2
Stddev	8.7	74.	23.8
%RSD	.34363	.21387	.51915
#1	2512.5	34417.	4578.3
#2	2519.1	34369.	4603.4
#3	2529.7	34513.	4555.8

Sample Name: CCV Acquired: 10/12/2011 20:33:36 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	2492.	1248.	10160.	1011.	126700.
Stddev	506.	8.	3.	24.	1.	170.
%RSD	.4014	.3147	.2027	.2332	.1402	.1342

#1	125600.	2483.	1250.	10130.	1011.	126600.
#2	126200.	2497.	1245.	10170.	1010.	126500.
#3	126600.	2497.	1247.	10170.	1012.	126800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1268.	2509.	5101.	12690.	103100.	50280.
Stddev	4.	7.	4.	28.	302.	61.
%RSD	.2768	.2762	.0811	.2240	.2925	.1220

#1	1264.	2501.	5105.	12670.	103500.	50350.
#2	1269.	2512.	5102.	12670.	102900.	50250.
#3	1271.	2513.	5097.	12720.	103000.	50230.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124700.	5246.	124500.	2540.	7584.	1012.
Stddev	108.	10.	203.	7.	25.	2.
%RSD	.0865	.1899	.1630	.2699	.3253	.2136

#1	124700.	5257.	124700.	2533.	7557.	1011.
#2	124600.	5237.	124300.	2545.	7589.	1014.
#3	124800.	5246.	124500.	2543.	7605.	1010.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 20:33:36 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2454.	2539.	2564.	2501.	996.8	2530.
Stddev	9.	13.	10.	8.	4.9	7.
%RSD	.3728	.5257	.3882	.3304	.4961	.2806
#1	2444.	2533.	2575.	2491.	991.1	2522.
#2	2461.	2554.	2559.	2505.	999.6	2535.
#3	2457.	2530.	2556.	2506.	999.6	2533.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1001.	5130.	9964.
Stddev	3.	8.	31.
%RSD	.2907	.1473	.3075
#1	998.1	5130.	9935.
#2	1004.	5122.	9960.
#3	1003.	5137.	9996.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2327.9	31824.	4427.0
Stddev	2.7	149.	16.2
%RSD	.11772	.46756	.36663
#1	2330.5	31659.	4417.0
#2	2328.3	31948.	4445.7
#3	2325.0	31865.	4418.3

Sample Name: CCB Acquired: 10/12/2011 20:36:55 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.295	.9268	-.2244	.6231	-.0199	-7.073
Stddev	12.88	1.588	.4179	.3812	.0071	13.02
%RSD	299.9	171.4	186.2	61.18	35.45	184.1
#1	-5.102	-.1844	-.2122	1.002	-.0280	-5.350
#2	-.9904	2.746	-.6483	.6267	-.0151	4.999
#3	18.98	.2189	.1872	.2400	-.0166	-20.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0829	.2373	.1530	-2.655	16.20	-65.03
Stddev	.0530	.4326	.2153	1.855	2.77	41.42
%RSD	63.97	182.3	140.7	69.89	17.10	63.70
#1	.1416	-.0519	.3450	-2.743	18.32	-100.3
#2	.0685	.7347	.1939	-4.464	17.22	-19.41
#3	.0385	.0292	-.0798	-.7565	13.07	-75.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.545	.2681	9.319	.2475	-.8390	1.400
Stddev	6.434	.1779	21.63	.1277	.5162	2.509
%RSD	85.27	66.34	232.1	51.59	61.53	179.2
#1	12.87	.4470	-5.749	.3949	-.2672	-.4755
#2	9.372	.2660	-.4013	.1695	-.9788	.4260
#3	.3955	.0913	34.11	.1782	-1.271	4.251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 20:36:55 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.806	.9008	.8388	-.0158	2.338	.7630
Stddev	.923	1.610	.3309	.1706	.946	.5871
%RSD	51.14	178.7	39.45	1077.	40.45	76.95
#1	2.325	-.9520	.5251	.1805	3.409	1.432
#2	2.353	1.698	1.185	-.1276	1.620	.5243
#3	.7395	1.956	.8067	-.1004	1.984	.3328

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.7992	.2818	1.351
Stddev	1.078	.0993	.455
%RSD	134.9	35.23	33.65
#1	1.931	.2550	1.158
#2	.6809	.3917	1.025
#3	-.2147	.1986	1.871

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2543.7	35017.	4533.1
Stddev	5.6	210.	27.5
%RSD	.22013	.59999	.60567
#1	2549.1	35228.	4527.1
#2	2544.2	35014.	4509.1
#3	2537.9	34808.	4563.0

Sample Name: MB 460-88754/1-A@2 Acquired: 10/12/2011 20:40:40 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.06	1.588	.3699	.1469	-.0452	-4.464
Stddev	11.26	1.534	.3855	.0668	.0862	19.87
%RSD	62.34	96.55	104.2	45.49	191.0	445.2

#1	6.414	.3158	.7480	.2212	.0099	-17.54
#2	18.88	3.291	-.0227	.0918	-.1445	-14.26
#3	28.89	1.158	.3843	.1276	-.0008	18.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1133	.1416	.0615	-1.993	13.59	-22.51
Stddev	.1173	.1218	.3436	2.411	3.98	3.31
%RSD	103.5	86.04	558.8	120.9	29.31	14.69

#1	-.0146	.1820	-.0767	-.5276	10.62	-25.45
#2	.2156	.0047	-.1915	-4.776	18.12	-23.16
#3	.1391	.2381	.4526	-.6769	12.04	-18.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.741	.0852	-.9863	.3809	-.6428	-.3926
Stddev	3.343	.0513	10.70	.3090	1.445	1.001
%RSD	192.0	60.27	1085.	81.14	224.9	255.1

#1	-1.164	.0951	-8.118	.0575	-1.981	-1.128
#2	.9912	.1308	11.32	.4118	-.8374	-.7978
#3	5.395	.0296	-6.160	.6733	.8900	.7479

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-88754/1-A@2 Acquired: 10/12/2011 20:40:40 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.195	.3495	.3939	.4856	1.033	.2325
Stddev	1.114	1.243	.5043	.0999	.087	.4104
%RSD	34.87	355.7	128.0	20.57	8.419	176.5
#1	4.322	-.2309	.2881	.5380	.9415	.6761
#2	3.170	-.4972	.9427	.3704	1.115	-.1336
#3	2.094	1.777	-.0492	.5483	1.042	.1550

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.1661	.1121	-.6682
Stddev	.1000	.0978	.7251
%RSD	60.21	87.25	108.5
#1	.0841	.2160	-1.484
#2	.1366	.0986	-.0981
#3	.2774	.0218	-.4223

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2540.2	34799.	4539.5
Stddev	5.5	202.	11.3
%RSD	.21758	.58026	.24932
#1	2540.9	34883.	4534.8
#2	2545.3	34568.	4531.3
#3	2534.3	34945.	4552.4

Sample Name: LCSSRM 460-88754/2-A Acquired: 10/12/2011 20:44:22 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44870.	521.8	151.0	1006.	402.7	52530.
Stddev	97.	.9	.0	2.	.1	39.
%RSD	.2152	.1772	.0094	.1567	.0365	.0740

#1	44920.	521.8	151.0	1007.	402.6	52480.
#2	44930.	522.7	151.0	1007.	402.8	52550.
#3	44760.	520.8	151.0	1004.	402.6	52550.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	318.6	488.8	1243.	900.2	99580.	21280.
Stddev	.5	.4	1.	1.6	290.	29.
%RSD	.1680	.0717	.0964	.1806	.2909	.1377

#1	318.7	488.5	1243.	901.1	99420.	21310.
#2	319.0	489.2	1245.	901.3	99910.	21270.
#3	318.0	488.8	1242.	898.4	99410.	21260.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19200.	3029.	5013.	725.1	448.0	932.9
Stddev	18.	4.	10.	.3	1.7	3.0
%RSD	.0926	.1370	.2056	.0426	.3725	.3231

#1	19200.	3029.	5025.	724.8	449.8	934.6
#2	19210.	3033.	5009.	725.4	446.5	934.7
#3	19180.	3025.	5005.	725.3	447.7	929.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-88754/2-A Acquired: 10/12/2011 20:44:22 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1413.	674.0	602.6	3042.	719.1	272.1
Stddev	7.	1.0	1.9	3.	1.5	.4
%RSD	.4774	.1452	.3178	.1115	.2122	.1294
#1	1417.	673.6	602.3	3043.	717.3	272.3
#2	1417.	675.1	604.6	3045.	719.9	272.3
#3	1405.	673.3	600.8	3039.	720.1	271.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	557.5	1159.	2308.
Stddev	1.2	1.	1.
%RSD	.2109	.0936	.0450
#1	556.2	1158.	2307.
#2	558.5	1160.	2309.
#3	557.9	1160.	2308.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2630.9	35993.	4851.5
Stddev	1.2	102.	35.8
%RSD	.04722	.28336	.73762
#1	2629.6	35919.	4820.6
#2	2631.2	35951.	4843.2
#3	2632.0	36109.	4890.7

Sample Name: PDS 460-31914-E-14-C Acquired: 10/12/2011 20:47:43 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20430.	1789.	50.59	2024.	47.36	20100.
Stddev	29.	88.	2.62	94.	2.02	847.
%RSD	.1416	4.933	5.183	4.654	4.263	4.214

#1	20420.	1876.	53.48	2117.	49.37	20880.
#2	20470.	1790.	49.90	2025.	47.38	20210.
#3	20410.	1700.	48.38	1929.	45.33	19200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.35	478.0	311.6	258.2	49730.	21000.
Stddev	2.48	24.3	8.6	8.5	134.	733.
%RSD	5.238	5.074	2.754	3.291	.2694	3.490

#1	49.75	502.1	319.8	265.6	49580.	21710.
#2	47.51	478.3	312.4	260.1	49750.	21060.
#3	44.80	453.6	302.7	248.9	49850.	20240.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23740.	747.7	20380.	496.5	585.8	444.9
Stddev	846.	22.8	751.	24.2	23.1	24.5
%RSD	3.562	3.052	3.682	4.878	3.947	5.500

#1	24570.	769.6	21100.	520.5	609.2	469.7
#2	23790.	749.6	20450.	497.0	585.3	444.1
#3	22880.	724.0	19600.	472.1	562.9	420.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: PDS 460-31914-E-14-C Acquired: 10/12/2011 20:47:43 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1739.	1962.	527.2	534.2	478.8	460.4
Stddev	85.	96.	22.1	23.4	23.2	23.6
%RSD	4.884	4.888	4.194	4.381	4.845	5.123
#1	1824.	2053.	549.2	557.6	502.0	483.7
#2	1740.	1970.	527.3	534.3	478.6	461.0
#3	1654.	1862.	505.0	510.7	455.6	436.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	467.2	478.1	1448.
Stddev	23.0	20.6	18.
%RSD	4.926	4.307	1.250
#1	489.9	497.8	1465.
#2	467.9	479.8	1451.
#3	443.9	456.7	1429.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2506.2	34451.	4598.7
Stddev	5.8	120.	14.8
%RSD	.23303	.34709	.32079
#1	2499.5	34440.	4603.7
#2	2509.0	34337.	4582.2
#3	2510.1	34575.	4610.4

Sample Name: 460-31963-A-14-B@4 Acquired: 10/12/2011 20:51:04 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14360.	7.724	-.0171	126.1	.7739	1841.
Stddev	17.	2.536	1.056	.2	.0243	20.
%RSD	.1196	32.84	6165.	.1531	3.144	1.098

#1	14380.	10.25	.5814	125.9	.7538	1863.
#2	14350.	7.744	.6038	126.3	.8010	1836.
#3	14340.	5.177	-1.237	126.2	.7670	1824.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1522	11.22	38.13	19.64	33350.	2024.
Stddev	.0467	.31	.11	4.55	79.	8.
%RSD	30.66	2.741	.2832	23.19	.2363	.3845

#1	.1029	10.86	38.23	23.26	33420.	2024.
#2	.1581	11.42	38.13	14.53	33270.	2032.
#3	.1957	11.37	38.01	21.14	33380.	2017.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5850.	302.3	413.3	23.54	14.71	-.5852
Stddev	11.	.4	7.7	.29	1.70	.1012
%RSD	.1851	.1354	1.869	1.235	11.53	17.29

#1	5838.	302.8	414.8	23.29	12.86	-.4742
#2	5852.	302.0	405.0	23.86	16.19	-.6721
#3	5859.	302.2	420.2	23.46	15.10	-.6093

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-14-B@4 Acquired: 10/12/2011 20:51:04 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2590	-1.368	40.69	58.33	10.57	.9887
Stddev	2.829	1.359	.46	.13	.26	.3147
%RSD	1092.	99.40	1.125	.2167	2.456	31.83
#1	-.7346	-2.277	40.42	58.19	10.85	.8806
#2	3.451	.1951	40.44	58.43	10.52	1.343
#3	-1.939	-2.020	41.22	58.38	10.34	.7423

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1.987	12.44	482.5
Stddev	.838	.04	2.4
%RSD	42.16	.3319	.4939
#1	1.133	12.40	480.4
#2	2.807	12.46	485.1
#3	2.021	12.47	481.9

Check ? **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2604.9	35781.	4685.5
Stddev	6.4	117.	21.5
%RSD	.24448	.32596	.45991
#1	2604.0	35697.	4676.4
#2	2611.6	35732.	4710.1
#3	2599.0	35914.	4669.9

Sample Name: 460-31963-A-16-B@4 Acquired: 10/12/2011 20:54:40 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10630.	8.765	-.0747	4812.	.7634	2847.
Stddev	7.	2.119	.7078	2.	.1494	15.
%RSD	.0669	24.18	948.0	.0422	19.57	.5286

#1	10640.	9.137	.6402	4810.	.7426	2831.
#2	10640.	10.67	-.7753	4814.	.6255	2852.
#3	10630.	6.485	-.0890	4812.	.9221	2860.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0077	13.63	61.64	24.91	29730.	2210.
Stddev	.0867	.15	.04	2.37	72.	21.
%RSD	1130.	1.076	.0686	9.531	.2417	.9513

#1	.0545	13.79	61.68	22.23	29750.	2188.
#2	.0291	13.53	61.61	26.75	29650.	2211.
#3	-.1067	13.55	61.61	25.76	29790.	2230.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5818.	268.4	406.4	24.87	37.70	-.2011
Stddev	4.	.7	8.5	.35	.96	1.366
%RSD	.0631	.2431	2.082	1.400	2.553	679.4

#1	5818.	267.8	403.7	25.19	36.75	-.7605
#2	5822.	268.5	399.6	24.50	37.65	-1.199
#3	5815.	269.1	415.9	24.92	38.68	1.356

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-16-B@4 Acquired: 10/12/2011 20:54:40 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.085	-.4086	39.27	127.4	10.83	.3265
Stddev	.595	.2192	.03	.5	.29	.0936
%RSD	11.71	53.65	.0874	.3750	2.688	28.68
#1	5.403	-.3596	39.31	127.5	11.16	.3156
#2	5.453	-.2180	39.26	127.8	10.61	.4251
#3	4.398	-.6481	39.24	126.8	10.71	.2388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	2.040	88.13	445.9
Stddev	1.179	.19	2.2
%RSD	57.79	.2130	.4944
#1	1.231	88.08	444.1
#2	3.392	88.33	448.4
#3	1.497	87.96	445.2

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2591.4	35698.	4685.6
Stddev	4.6	106.	27.2
%RSD	.17861	.29589	.58086
#1	2587.9	35579.	4669.6
#2	2589.7	35734.	4670.2
#3	2596.7	35780.	4717.0

Sample Name: 460-31963-A-21-B@4 Acquired: 10/12/2011 20:58:15 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20850.	15.83	-1.121	1139.	.8154	3624.
Stddev	12.	.87	.890	.	.1347	14.
%RSD	.0563	5.522	79.39	.0352	16.52	.3870

#1	20840.	14.82	-.3952	1138.	.9698	3631.
#2	20840.	16.38	-2.114	1139.	.7552	3608.
#3	20860.	16.29	-.8542	1139.	.7214	3633.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.094	12.37	154.7	21.91	33630.	2224.
Stddev	.086	.28	.4	1.71	292.	33.
%RSD	7.847	2.253	.2857	7.822	.8676	1.471

#1	1.159	12.68	154.2	23.87	33900.	2262.
#2	1.126	12.29	155.0	20.71	33660.	2204.
#3	.9968	12.14	155.0	21.14	33320.	2207.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6880.	252.5	627.5	30.12	21.67	1.674
Stddev	10.	1.1	9.3	.10	1.43	1.087
%RSD	.1447	.4494	1.480	.3425	6.614	64.95

#1	6874.	253.4	630.4	30.23	22.44	1.756
#2	6891.	252.8	635.1	30.11	20.02	2.718
#3	6874.	251.2	617.1	30.03	22.56	.5484

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-21-B@4 Acquired: 10/12/2011 20:58:15 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.043	-1.365	47.99	104.3	10.67	.0692
Stddev	1.895	2.952	.70	.2	.85	.3938
%RSD	181.7	216.3	1.457	.1455	8.005	568.8
#1	-3.007	-3.061	48.02	104.2	10.15	.1814
#2	-.8955	-3.079	48.67	104.5	11.66	-.3685
#3	.7743	2.044	47.27	104.3	10.21	.3948

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	2.321	30.77	515.0
Stddev	.432	.21	1.6
%RSD	18.59	.6814	.3013
#1	1.851	30.59	513.7
#2	2.413	31.00	516.7
#3	2.699	30.72	514.7

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2604.0	35911.	4683.6
Stddev	10.2	116.	11.3
%RSD	.39328	.32305	.24198
#1	2615.8	35780.	4683.7
#2	2599.4	35951.	4672.2
#3	2596.9	36001.	4694.9

Sample Name: 460-31963-A-23-B@4 Acquired: 10/12/2011 21:01:49 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9718.	305.0	4.212	3862.	.9278	4905.
Stddev	29.	2.2	.406	2.	.1227	8.
%RSD	.2999	.7165	9.647	.0632	13.22	.1618

#1	9751.	305.5	3.758	3865.	.7992	4907.
#2	9696.	307.0	4.337	3860.	.9404	4897.
#3	9707.	302.7	4.541	3861.	1.044	4912.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.86	120.2	355.4	2050.	F 987300.	502.3
Stddev	.87	.5	1.2	3.	11220.	26.4
%RSD	5.490	.4173	.3491	.1524	1.136	5.245

#1	16.31	119.6	355.8	2049.	988000.	472.4
#2	14.86	120.3	356.4	2054.	998200.	512.9
#3	16.42	120.6	354.0	2047.	975800.	521.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	488.3	3849.	-390.3	438.8	1523.	30.01
Stddev	2.3	11.	35.2	.8	3.	2.01
%RSD	.4740	.2804	9.016	.1823	.1725	6.695

#1	485.8	3849.	-423.8	439.7	1525.	31.27
#2	490.3	3860.	-393.3	438.5	1523.	31.06
#3	488.9	3838.	-353.6	438.2	1520.	27.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-23-B@4 Acquired: 10/12/2011 21:01:49 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -35.49	-4.576	70.21	F 23290.	136.5	96.11
Stddev	1.37	.577	.53	33.	1.5	1.05
%RSD	3.856	12.60	.7533	.1438	1.128	1.094
#1	-34.32	-4.326	70.59	23330.	138.2	97.04
#2	-35.16	-4.166	70.43	23290.	135.1	94.97
#3	-37.00	-5.235	69.61	23260.	136.4	96.31
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	9000.			5000.		
Low Limit	-10.00			-50.00		

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	252.5	196.8	649.5
Stddev	1.3	.4	2.7
%RSD	.5214	.2008	.4210
#1	253.8	196.4	652.6
#2	251.2	197.2	648.1
#3	252.5	196.6	647.7
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2492.2	34176.	4616.1
Stddev	4.1	160.	20.1
%RSD	.16631	.46930	.43596
#1	2487.4	34169.	4594.5
#2	2494.8	34019.	4619.6
#3	2494.5	34339.	4634.3

Sample Name: 460-32121-A-1-B@4 Acquired: 10/12/2011 21:05:24 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11640.	572.9	.9366	353.7	.1381	7832.
Stddev	83.	1.2	.5199	2.2	.1813	57.
%RSD	.7171	.2104	55.51	.6180	131.2	.7264

#1	11550.	571.6	.9061	353.3	-.0186	7767.
#2	11650.	573.2	.4326	356.0	.0963	7853.
#3	11720.	574.0	1.471	351.7	.3367	7875.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.691	65.64	9436.	612.8	F 294600.	3531.
Stddev	.018	.47	12.	4.4	937.	31.
%RSD	1.060	.7149	.1309	.7190	.3179	.8912

#1	1.690	65.12	9424.	610.1	293500.	3504.
#2	1.709	66.04	9449.	617.9	294900.	3522.
#3	1.673	65.76	9435.	610.5	295300.	3565.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4647.	1086.	963.3	100.8	407.6	60.44
Stddev	8.	2.	16.6	.2	.8	1.23
%RSD	.1790	.1386	1.718	.2049	.1919	2.040

#1	4646.	1085.	944.5	100.6	408.5	61.25
#2	4657.	1088.	975.7	100.8	407.4	59.03
#3	4640.	1087.	969.7	101.0	407.0	61.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-1-B@4 Acquired: 10/12/2011 21:05:24 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -14.99	-1.222	101.2	409.8	1.514	5.343
Stddev	2.11	1.271	.5	.8	.393	.306
%RSD	14.09	104.0	.5379	.2031	25.97	5.728
#1	-12.66	.2449	100.7	409.9	1.957	5.645
#2	-15.53	-1.906	101.8	410.6	1.208	5.351
#3	-16.78	-2.005	101.1	408.9	1.376	5.033
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9000.					
Low Limit	-10.00					

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	153.2	149.5	848.6
Stddev	1.3	1.1	2.8
%RSD	.8189	.7065	.3346
#1	152.0	148.3	845.4
#2	153.1	149.9	850.6
#3	154.5	150.4	849.9
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2490.1	34922.	4655.1
Stddev	1.7	112.	34.7
%RSD	.06914	.32120	.74609
#1	2488.3	34794.	4692.5
#2	2490.2	34972.	4649.0
#3	2491.7	35000.	4623.8

Sample Name: 460-32121-A-2-B@4 Acquired: 10/12/2011 21:08:54 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34710.	33.43	.0106	654.9	1.297	46820.
Stddev	88.	2.04	.6690	2.2	.098	135.
%RSD	.2529	6.096	6284.	.3310	7.532	.2886

#1	34610.	32.50	.5248	652.4	1.334	46680.
#2	34760.	35.76	.2529	655.8	1.186	46940.
#3	34750.	32.01	-.7458	656.4	1.370	46860.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.971	28.81	201.1	245.2	75870.	3505.
Stddev	.041	.46	.8	1.4	398.	29.
%RSD	2.064	1.608	.4156	.5697	.5246	.8363

#1	1.992	28.97	200.2	244.5	75420.	3517.
#2	1.997	29.18	201.0	244.3	76160.	3526.
#3	1.924	28.29	201.9	246.9	76040.	3471.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15360.	714.1	1106.	62.09	568.7	5.407
Stddev	53.	2.5	10.	.33	1.2	1.653
%RSD	.3441	.3554	.9339	.5386	.2115	30.58

#1	15300.	711.3	1117.	61.71	567.8	4.610
#2	15390.	716.2	1097.	62.35	568.2	7.308
#3	15390.	715.0	1104.	62.20	570.1	4.303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-2-B@4 Acquired: 10/12/2011 21:08:54 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.452	-1.653	96.00	738.9	35.10	3.850
Stddev	2.301	1.055	.35	2.0	.27	.390
%RSD	158.5	63.83	.3691	.2691	.7746	10.14
#1	-3.918	-2.866	95.60	736.8	35.02	3.474
#2	-1.075	-.9451	96.13	739.2	34.88	4.253
#3	.6370	-1.148	96.28	740.8	35.40	3.822

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	30.28	258.2	1489.
Stddev	.74	.8	6.
%RSD	2.452	.2974	.4232
#1	31.13	257.3	1481.
#2	29.84	258.9	1493.
#3	29.86	258.3	1492.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2599.0	35525.	4756.3
Stddev	5.5	92.	20.7
%RSD	.21198	.26026	.43474
#1	2592.9	35499.	4740.1
#2	2600.4	35447.	4749.2
#3	2603.6	35627.	4779.6

Sample Name: 460-32121-A-3-B@4 Acquired: 10/12/2011 21:12:25 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48730.	93.19	92.97	17340.	5.265	F 268000.
Stddev	21.	2.11	.13	11.	.131	420.
%RSD	.0433	2.266	.1394	.0617	2.487	.1567

#1	48750.	95.24	92.94	17330.	5.341	268500.
#2	48710.	91.02	93.11	17340.	5.340	267800.
#3	48740.	93.30	92.85	17350.	5.114	267800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.01	27.94	1126.	642.3	100200.	6763.
Stddev	.06	.21	2.	1.6	278.	34.
%RSD	.4957	.7555	.1836	.2528	.2776	.5003

#1	11.95	27.90	1123.	642.5	100000.	6761.
#2	12.07	27.75	1127.	640.6	100200.	6730.
#3	12.02	28.17	1126.	643.8	100500.	6798.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51290.	2044.	2804.	289.7	3415.	33.85
Stddev	78.	6.	11.	.5	3.	.42
%RSD	.1524	.2866	.3867	.1712	.0780	1.237

#1	51200.	2039.	2800.	289.3	3412.	33.37
#2	51340.	2042.	2795.	289.6	3416.	34.10
#3	51330.	2051.	2816.	290.3	3417.	34.09

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-3-B@4 Acquired: 10/12/2011 21:12:25 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.191	-4.637	130.8	F 14120.	59.59	3.238
Stddev	.572	1.303	.8	13.	.58	.182
%RSD	13.64	28.11	.6152	.0924	.9720	5.612
#1	4.707	-3.491	130.3	14110.	60.24	3.159
#2	4.290	-6.055	130.4	14110.	59.41	3.446
#3	3.577	-4.365	131.7	14130.	59.12	3.109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	174.7	1554.	2564.
Stddev	1.6	1.	3.
%RSD	.9376	.0481	.1069
#1	175.1	1555.	2567.
#2	176.2	1554.	2562.
#3	172.9	1554.	2564.
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2894.5	39573.	5464.5
Stddev	6.0	44.	44.0
%RSD	.20733	.11147	.80540
#1	2888.1	39524.	5418.7
#2	2900.0	39610.	5468.4
#3	2895.3	39585.	5506.4

Sample Name: CCV Acquired: 10/12/2011 21:15:57 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125300.	2501.	1244.	10150.	1004.	126100.
Stddev	239.	4.	1.	19.	3.	393.
%RSD	.1908	.1682	.0626	.1896	.2627	.3111

#1	125100.	2498.	1244.	10130.	1001.	125700.
#2	125500.	2499.	1245.	10160.	1005.	126200.
#3	125500.	2506.	1244.	10160.	1007.	126500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1271.	2513.	5094.	12600.	102500.	50080.
Stddev	3.	5.	2.	25.	312.	124.
%RSD	.2008	.2083	.0318	.2003	.3044	.2483

#1	1268.	2508.	5092.	12570.	102600.	49940.
#2	1272.	2519.	5096.	12610.	102200.	50120.
#3	1272.	2513.	5094.	12620.	102800.	50180.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125200.	5217.	124300.	2547.	7602.	1016.
Stddev	119.	5.	507.	5.	21.	2.
%RSD	.0948	.1004	.4082	.1835	.2771	.1801

#1	125100.	5220.	123900.	2542.	7578.	1018.
#2	125300.	5211.	124200.	2551.	7618.	1014.
#3	125200.	5220.	124900.	2549.	7609.	1015.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 21:15:57 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2467.	2559.	2544.	2508.	998.8	2526.
Stddev	2.	7.	7.	3.	4.6	5.
%RSD	.0746	.2570	.2689	.1222	.4560	.1926

#1	2467.	2553.	2548.	2504.	993.5	2521.
#2	2465.	2566.	2536.	2511.	1001.	2527.
#3	2469.	2558.	2549.	2508.	1002.	2530.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1006.	5114.	9925.
Stddev	2.	17.	23.
%RSD	.2116	.3288	.2303

#1	1005.	5098.	9899.
#2	1008.	5114.	9944.
#3	1004.	5131.	9931.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2339.7	32229.	4469.7
Stddev	.7	37.	25.6
%RSD	.03006	.11336	.57228

#1	2340.3	32200.	4481.8
#2	2339.9	32270.	4487.0
#3	2339.0	32218.	4440.3

Sample Name: CCB Acquired: 10/12/2011 21:19:16 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.847	1.104	-.3686	.7981	-.0899	7.148
Stddev	5.731	2.461	.1534	.2803	.0951	20.02
%RSD	149.0	222.8	41.63	35.12	105.8	280.0

#1	.0541	-.1615	-.3600	1.068	-.1492	12.84
#2	1.046	-.4660	-.5261	.8178	-.1402	23.70
#3	10.44	3.941	-.2196	.5084	.0198	-15.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0817	-.0161	.0256	-4.297	2.019	-11.01
Stddev	.0401	.2749	.3225	1.649	1.938	63.27
%RSD	49.13	1708.	1258.	38.37	95.99	574.6

#1	.1077	.1863	-.1041	-2.833	3.183	-55.93
#2	.1018	.0945	.3929	-3.975	3.092	-38.46
#3	.0355	-.3291	-.2118	-6.083	-.2182	61.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.845	.3064	2.068	.6451	-.5413	-1.354
Stddev	4.622	.0845	19.91	.2416	.9882	.346
%RSD	58.91	27.56	963.2	37.45	182.5	25.53

#1	10.40	.2757	20.75	.6693	-1.521	-.9548
#2	10.63	.4019	-18.88	.8738	.4548	-1.545
#3	2.510	.2416	4.333	.3924	-.5575	-1.561

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 21:19:16 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.134	.1124	.0862	.2457	1.736	1.040
Stddev	1.722	3.256	.3272	.1223	.770	.351
%RSD	54.95	2897.	379.7	49.77	44.34	33.79
#1	1.239	3.872	.1047	.3722	2.493	1.444
#2	3.561	-1.795	.4037	.1281	1.762	.8731
#3	4.603	-1.740	-.2499	.2368	.9537	.8031

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.3455	.2096	.1750
Stddev	.3049	.0824	.9889
%RSD	88.23	39.29	565.1
#1	.3197	.2948	1.226
#2	.0544	.2036	.0356
#3	.6624	.1304	-.7368

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2552.7	35173.	4573.4
Stddev	10.7	246.	41.0
%RSD	.41894	.69891	.89602
#1	2558.1	35413.	4615.0
#2	2559.7	35184.	4572.1
#3	2540.4	34922.	4533.0

Sample Name: 460-32121-A-4-B@4 Acquired: 10/12/2011 21:23:00 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14830.	128.4	1.431	16360.	2.051	19410.
Stddev	70.	1.6	.107	34.	.054	92.
%RSD	.4721	1.273	7.508	.2070	2.636	.4727

#1	14760.	127.9	1.358	16320.	2.105	19320.
#2	14830.	130.2	1.554	16380.	1.997	19420.
#3	14900.	127.0	1.381	16380.	2.050	19500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.958	30.17	478.7	137.9	103200.	1445.
Stddev	.046	.13	1.4	.2	373.	25.
%RSD	1.171	.4410	.3004	.1387	.3612	1.749

#1	3.949	30.27	477.0	137.8	102800.	1424.
#2	3.917	30.02	479.5	138.1	103300.	1473.
#3	4.009	30.22	479.4	137.8	103500.	1438.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1747.	289.8	421.3	98.26	667.9	7.438
Stddev	11.	1.1	15.2	.45	2.6	2.434
%RSD	.6368	.3827	3.611	.4589	.3851	32.73

#1	1739.	288.6	424.9	97.96	667.1	7.725
#2	1743.	290.3	434.4	98.78	665.9	4.873
#3	1760.	290.6	404.6	98.04	670.8	9.715

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-4-B@4 Acquired: 10/12/2011 21:23:00 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.89	1.396	64.82	2031.	8.311	27.79
Stddev	2.43	2.186	.01	4.	.542	.34
%RSD	18.86	156.6	.0111	.2051	6.517	1.211
#1	12.15	3.174	64.82	2026.	8.226	27.76
#2	10.91	2.059	64.82	2033.	7.817	27.47
#3	15.60	-1.045	64.81	2033.	8.890	28.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	25.94	456.4	576.9
Stddev	.44	2.0	3.1
%RSD	1.714	.4288	.5288
#1	25.50	454.4	573.7
#2	25.93	456.6	577.5
#3	26.39	458.3	579.7

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2579.1	35418.	4670.5
Stddev	5.3	160.	10.7
%RSD	.20551	.45302	.22817
#1	2576.7	35382.	4679.5
#2	2575.3	35279.	4673.1
#3	2585.1	35594.	4658.7

Sample Name: 460-32121-A-5-B@4 Acquired: 10/12/2011 21:26:31 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31130.	21.06	4.030	5357.	1.628	15990.
Stddev	58.	.76	.554	9.	.029	67.
%RSD	.1848	3.601	13.75	.1674	1.810	.4164

#1	31060.	21.93	4.444	5368.	1.595	15910.
#2	31170.	20.54	3.400	5354.	1.636	16010.
#3	31160.	20.70	4.246	5351.	1.652	16040.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.594	27.16	100.1	286.0	79720.	3044.
Stddev	.047	.23	.3	1.3	549.	34.
%RSD	1.032	.8539	.3124	.4475	.6891	1.124

#1	4.630	26.94	100.2	286.4	79190.	3074.
#2	4.610	27.13	99.73	287.1	79690.	3007.
#3	4.540	27.40	100.3	284.6	80290.	3052.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9485.	1261.	259.8	64.07	946.4	9.489
Stddev	18.	5.	32.7	.75	3.4	1.998
%RSD	.1887	.3811	12.60	1.164	.3570	21.05

#1	9475.	1256.	297.6	63.37	950.0	7.253
#2	9475.	1263.	241.4	63.99	943.3	11.10
#3	9506.	1265.	240.5	64.85	946.0	10.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-5-B@4 Acquired: 10/12/2011 21:26:31 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.160	-4.116	86.45	2513.	16.47	4.247
Stddev	3.455	.7967	.57	3.	.21	.186
%RSD	297.8	193.6	.6539	.1236	1.300	4.371
#1	-2.958	-1.177	86.57	2516.	16.72	4.087
#2	2.823	.4133	85.83	2510.	16.39	4.204
#3	-3.345	-.4712	86.94	2513.	16.31	4.451

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	53.63	264.1	950.9
Stddev	.75	.9	3.1
%RSD	1.392	.3333	.3238
#1	52.80	263.2	947.5
#2	53.82	264.1	953.6
#3	54.26	265.0	951.4

Check ? Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2606.2	35632.	4717.0
Stddev	7.8	161.	3.2
%RSD	.29831	.45248	.06749
#1	2597.5	35776.	4720.3
#2	2612.4	35663.	4714.0
#3	2608.9	35458.	4716.6

Sample Name: 460-32121-A-6-B@4 Acquired: 10/12/2011 21:30:01 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5700.	39.93	1.687	5814.	1.463	8323.
Stddev	21.	3.33	.334	6.	.048	36.
%RSD	.3771	8.346	19.78	.1060	3.263	.4310

#1	5680.	37.11	1.913	5819.	1.475	8282.
#2	5698.	43.61	1.845	5816.	1.411	8348.
#3	5723.	39.07	1.304	5807.	1.504	8340.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.366	6.167	8772.	265.2	40110.	1758.
Stddev	.040	.199	9.	.6	202.	44.
%RSD	1.674	3.220	.1031	.2142	.5031	2.515

#1	2.412	6.368	8775.	265.2	40280.	1740.
#2	2.346	5.970	8778.	264.6	40160.	1726.
#3	2.341	6.163	8761.	265.8	39890.	1808.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1683.	232.5	662.7	34.92	484.4	4.730
Stddev	4.	.3	13.2	.35	1.9	1.480
%RSD	.2155	.1384	1.986	.9926	.3989	31.30

#1	1686.	232.8	647.6	35.14	486.6	6.365
#2	1679.	232.2	668.5	35.10	483.7	4.343
#3	1685.	232.5	671.9	34.52	483.0	3.481

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-6-B@4 Acquired: 10/12/2011 21:30:01 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.835	.8263	59.17	330.8	13.18	9.686
Stddev	2.681	2.015	1.07	1.0	.25	.253
%RSD	69.90	243.8	1.807	.2943	1.882	2.607
#1	4.560	1.773	60.20	330.8	13.38	9.969
#2	.8663	-1.487	59.23	331.7	12.90	9.608
#3	6.079	2.193	58.07	329.8	13.26	9.483

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	8.562	255.4	263.5
Stddev	.753	1.0	2.5
%RSD	8.793	.3933	.9564
#1	7.773	254.3	260.8
#2	9.272	256.2	265.8
#3	8.640	255.7	264.1

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2526.1	35643.	4659.3
Stddev	1.1	169.	19.0
%RSD	.04157	.47342	.40705
#1	2527.3	35534.	4662.3
#2	2525.6	35558.	4676.6
#3	2525.5	35837.	4639.1

Sample Name: 460-32121-A-7-B@4 Acquired: 10/12/2011 21:33:32 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25740.	54.18	1.253	1289.	1.216	80280.
Stddev	55.	2.15	1.030	3.	.164	269.
%RSD	.2121	3.968	82.18	.2602	13.50	.3347

#1	25700.	51.87	1.288	1289.	1.401	80150.
#2	25720.	54.55	2.265	1285.	1.162	80090.
#3	25810.	56.12	.2062	1292.	1.086	80580.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.554	21.56	124.6	258.0	61390.	1947.
Stddev	.160	.41	.6	3.0	286.	54.
%RSD	1.670	1.886	.5201	1.154	.4655	2.750

#1	9.593	21.20	123.9	254.5	61360.	1964.
#2	9.379	21.48	124.6	259.8	61120.	1887.
#3	9.691	22.00	125.2	259.6	61690.	1990.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6901.	910.5	797.0	59.26	3799.	16.12
Stddev	9.	2.8	24.2	.56	5.	2.11
%RSD	.1311	.3093	3.036	.9433	.1389	13.09

#1	6901.	909.4	769.4	58.83	3798.	18.13
#2	6892.	908.4	806.6	59.06	3794.	13.92
#3	6910.	913.7	814.8	59.89	3804.	16.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-7-B@4 Acquired: 10/12/2011 21:33:32 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5013	-.1090	121.4	1247.	10.91	3.101
Stddev	1.200	1.685	.3	2.	.21	.192
%RSD	239.4	1545.	.2859	.1865	1.905	6.192
#1	-1.737	-.0604	121.4	1245.	11.01	3.291
#2	1.887	-1.818	121.0	1246.	10.68	3.105
#3	-.2093	1.551	121.7	1249.	11.06	2.907

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	646.2	386.3	1223.
Stddev	.8	1.0	3.
%RSD	.1210	.2651	.2660
#1	645.4	386.1	1227.
#2	647.0	385.4	1222.
#3	646.1	387.4	1221.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2562.0	34827.	4685.3
Stddev	9.1	41.	34.4
%RSD	.35511	.11781	.73442
#1	2561.2	34788.	4679.2
#2	2571.5	34870.	4722.4
#3	2553.3	34822.	4654.4

Sample Name: 460-32121-A-8-B@4 Acquired: 10/12/2011 21:37:03 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14680.	119.3	1.063	561.0	.8280	16220.
Stddev	68.	2.2	.845	.8	.0248	9.
%RSD	.4631	1.875	79.46	.1437	2.993	.0571

#1	14720.	121.8	.0883	560.2	.8530	16210.
#2	14600.	118.8	1.580	561.7	.8277	16230.
#3	14720.	117.4	1.523	561.2	.8034	16230.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.479	47.93	63.04	1020.	104800.	1750.
Stddev	.067	.35	.52	4.	567.	63.
%RSD	1.914	.7341	.8249	.3781	.5406	3.584

#1	3.550	47.53	62.96	1024.	104400.	1799.
#2	3.419	48.17	62.56	1020.	104500.	1771.
#3	3.467	48.10	63.59	1017.	105400.	1679.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3137.	268.2	650.4	94.11	2644.	13.06
Stddev	8.	.9	14.0	.15	3.	1.48
%RSD	.2687	.3425	2.148	.1573	.1132	11.37

#1	3141.	267.3	665.6	93.94	2640.	14.49
#2	3127.	268.2	638.1	94.21	2645.	11.52
#3	3143.	269.1	647.7	94.17	2646.	13.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-8-B@4 Acquired: 10/12/2011 21:37:03 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.29	-6864	85.45	2720.	10.14	36.93
Stddev	1.15	2.199	.22	7.	.56	.34
%RSD	4.555	320.4	.2554	.2406	5.518	.9321
#1	24.11	1.848	85.43	2713.	10.77	37.17
#2	26.42	-1.824	85.24	2723.	9.913	36.54
#3	25.34	-2.083	85.68	2725.	9.725	37.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	88.23	107.5	424.1
Stddev	.35	.5	.9
%RSD	.3941	.4590	.2043
#1	87.99	107.7	423.4
#2	88.63	107.0	425.1
#3	88.06	107.9	423.8

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2608.6	35952.	4758.8
Stddev	4.2	128.	5.7
%RSD	.16283	.35664	.11976
#1	2613.2	35970.	4752.3
#2	2604.8	36071.	4760.8
#3	2607.7	35816.	4763.2

Sample Name: 460-32121-A-10-B@4 Acquired: 10/12/2011 21:40:32 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35150.	202.1	2.783	1031.	3.365	34250.
Stddev	43.	1.5	.716	1.	.135	89.
%RSD	.1224	.7477	25.74	.1452	4.019	.2595

#1	35180.	203.4	3.598	1032.	3.423	34260.
#2	35160.	202.4	2.502	1030.	3.461	34330.
#3	35100.	200.4	2.250	1029.	3.210	34150.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.50	49.64	213.5	1656.	F 287400.	1246.
Stddev	.15	.19	1.2	8.	1269.	47.
%RSD	1.134	.3882	.5758	.4841	.4416	3.783

#1	13.49	49.43	212.1	1665.	287700.	1208.
#2	13.35	49.80	214.1	1653.	288400.	1299.
#3	13.66	49.69	214.3	1650.	286000.	1231.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15370.	964.0	5349.	186.2	F 15590.	260.9
Stddev	8.	3.2	34.	.3	8.	.1
%RSD	.0504	.3290	.6424	.1494	.0522	.0529

#1	15360.	963.6	5339.	186.1	15600.	260.8
#2	15370.	967.4	5386.	186.6	15580.	261.0
#3	15370.	961.0	5320.	186.1	15600.	260.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-32121-A-10-B@4 Acquired: 10/12/2011 21:40:32 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -15.38	-1.920	176.2	3175.	53.90	17.81
Stddev	3.21	.930	1.1	1.	.32	.37
%RSD	20.88	48.42	.6347	.0318	.5967	2.089
#1	-16.24	-1.887	176.1	3176.	54.05	18.23
#2	-11.83	-1.007	177.4	3175.	53.53	17.65
#3	-18.07	-2.865	175.2	3174.	54.11	17.54
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9000.					
Low Limit	-10.00					

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	F 20170.	238.3	2646.
Stddev	22.	.8	4.
%RSD	.1114	.3474	.1522
#1	20190.	238.4	2649.
#2	20190.	239.1	2648.
#3	20150.	237.5	2642.
Check ?	Chk Fail	Chk Pass	Chk Pass
High Limit	2000.		
Low Limit	-50.00		

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2598.9	35500.	4776.4
Stddev	2.1	49.	24.6
%RSD	.08006	.13707	.51569
#1	2596.5	35452.	4763.4
#2	2600.1	35499.	4760.9
#3	2600.0	35549.	4804.8

Sample Name: 460-32121-A-11-B@4 Acquired: 10/12/2011 21:44:01 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11590.	82.29	27.11	394.0	.3193	18310.
Stddev	20.	1.88	.39	1.1	.1069	23.
%RSD	.1740	2.284	1.441	.2681	33.48	.1241

#1	11600.	80.12	27.00	393.6	.2588	18310.
#2	11570.	83.42	26.80	393.1	.2563	18290.
#3	11610.	83.32	27.55	395.2	.4427	18330.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.486	13.68	65.28	F 28270.	91360.	912.7
Stddev	.136	.20	.84	36.	507.	77.9
%RSD	3.030	1.456	1.292	.1272	.5548	8.540

#1	4.626	13.71	64.32	28240.	91040.	824.8
#2	4.355	13.46	65.92	28250.	91090.	973.5
#3	4.477	13.86	65.59	28310.	91940.	939.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				25000.		
Low Limit				-50.00		

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2382.	857.2	1867.	274.3	F 49280.	34.88
Stddev	13.	3.4	14.	.7	102.	.60
%RSD	.5431	.3927	.7552	.2705	.2068	1.734

#1	2374.	855.5	1860.	273.6	49180.	34.31
#2	2375.	855.1	1858.	275.0	49280.	34.83
#3	2397.	861.1	1883.	274.4	49380.	35.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-32121-A-11-B@4 Acquired: 10/12/2011 21:44:01 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.113	-2.464	65.37	F 10860.	4.517	5.059
Stddev	2.391	.580	1.09	16.	.729	.284
%RSD	113.1	23.55	1.672	.1459	16.14	5.616
#1	-.7474	-2.776	64.47	10840.	4.739	5.232
#2	-.7186	-2.820	65.05	10870.	3.703	5.214
#3	-4.874	-1.794	66.59	10870.	5.109	4.731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	F 2275.	97.47	1396.
Stddev	6.	.13	3.
%RSD	.2681	.1358	.2440
#1	2268.	97.48	1395.
#2	2275.	97.59	1394.
#3	2281.	97.33	1400.
Check ?	Chk Fail	Chk Pass	Chk Pass
High Limit	2000.		
Low Limit	-50.00		

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2590.4	35982.	4739.1
Stddev	3.6	103.	27.7
%RSD	.13990	.28734	.58380
#1	2590.6	35870.	4710.4
#2	2586.6	36074.	4741.1
#3	2593.9	36001.	4765.7

Sample Name: 460-32121-A-12-B@4 Acquired: 10/12/2011 21:47:30 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17590.	4.138	-.3052	135.7	.5698	1344.
Stddev	33.	1.292	.4104	.1	.1006	10.
%RSD	.1862	31.21	134.5	.1073	17.65	.7180

#1	17550.	4.899	-.7764	135.9	.6831	1340.
#2	17590.	4.869	-.0263	135.7	.5357	1355.
#3	17620.	2.647	-.1128	135.6	.4908	1338.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0279	11.55	523.1	37.91	20050.	2360.
Stddev	.0801	.28	.6	1.89	141.	31.
%RSD	286.7	2.413	.1125	4.993	.7043	1.292

#1	-.0453	11.23	522.5	35.73	20220.	2381.
#2	.0157	11.74	523.1	39.13	19980.	2374.
#3	.1134	11.68	523.7	38.86	19970.	2325.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7121.	174.2	3119.	31.81	952.5	.4814
Stddev	11.	.4	12.	.14	4.2	.5412
%RSD	.1613	.2439	.3802	.4341	.4458	112.4

#1	7134.	174.6	3107.	31.67	948.2	.1111
#2	7119.	173.8	3119.	31.95	956.7	1.103
#3	7111.	174.1	3131.	31.80	952.8	.2306

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-12-B@4 Acquired: 10/12/2011 21:47:30 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.938	-.5543	47.42	83.99	7.764	.0750
Stddev	1.112	1.368	.81	.45	.323	.3420
%RSD	57.38	246.9	1.707	.5364	4.155	455.9
#1	2.838	-2.084	47.71	84.09	7.439	.4685
#2	2.280	-.1318	46.50	84.38	8.084	-.1509
#3	.6952	.5530	48.04	83.49	7.771	-.0925

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	7.978	16.64	596.3
Stddev	.240	.26	.4
%RSD	3.014	1.535	.0702
#1	7.731	16.85	595.9
#2	7.991	16.71	596.3
#3	8.212	16.36	596.8

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2559.3	35077.	4591.8
Stddev	3.0	169.	14.4
%RSD	.11825	.48299	.31265
#1	2562.6	34882.	4604.2
#2	2556.7	35183.	4595.2
#3	2558.5	35166.	4576.1

Sample Name: 460-32121-A-13-B@4 Acquired: 10/12/2011 21:51:03 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10140.	2.427	-.2950	83.76	.2738	1862.
Stddev	9.	.735	.2671	.12	.1047	21.
%RSD	.0884	30.27	90.56	.1416	38.25	1.132

#1	10140.	3.227	-.5376	83.69	.2252	1867.
#2	10150.	1.782	-.0087	83.90	.3940	1881.
#3	10140.	2.271	-.3386	83.70	.2022	1839.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1034	8.806	679.2	19.80	17380.	1590.
Stddev	.0957	.178	.8	1.07	48.	23.
%RSD	92.63	2.027	.1176	5.403	.2769	1.434

#1	.1527	8.600	678.3	18.57	17430.	1610.
#2	.1644	8.918	679.7	20.41	17350.	1595.
#3	-.0070	8.901	679.7	20.43	17350.	1565.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5040.	150.4	255.3	21.52	73.40	-.6025
Stddev	15.	.2	25.0	.16	.90	2.773
%RSD	.3068	.1483	9.802	.7358	1.225	460.3

#1	5056.	150.7	245.1	21.63	74.42	-1.367
#2	5025.	150.4	283.8	21.34	72.71	-2.913
#3	5040.	150.2	237.0	21.60	73.09	2.473

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-13-B@4 Acquired: 10/12/2011 21:51:03 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.334	.8396	26.93	53.73	7.728	.1693
Stddev	.843	1.878	.32	.18	.539	.2653
%RSD	19.44	223.7	1.192	.3298	6.970	156.7
#1	4.183	1.883	26.86	53.91	8.149	.4735
#2	5.241	-1.329	27.28	53.56	7.914	.0481
#3	3.577	1.964	26.65	53.71	7.121	-.0137

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	2.981	10.61	386.1
Stddev	.395	.05	1.0
%RSD	13.25	.4915	.2533
#1	3.416	10.62	385.7
#2	2.884	10.66	385.5
#3	2.644	10.55	387.3

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2562.5	35239.	4592.0
Stddev	3.5	129.	4.3
%RSD	.13736	.36657	.09362
#1	2558.7	35105.	4587.4
#2	2563.2	35362.	4595.9
#3	2565.7	35250.	4592.7

Sample Name: 460-32121-A-14-B@4 Acquired: 10/12/2011 21:54:39 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24010.	14.68	-1.250	19020.	.7006	69790.
Stddev	164.	2.31	.490	41.	.0163	280.
%RSD	.6828	15.71	39.18	.2138	2.327	.4010

#1	23960.	15.19	-.7978	18990.	.6957	69670.
#2	23880.	12.17	-1.181	19000.	.6874	69580.
#3	24200.	16.70	-1.770	19060.	.7189	70110.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0356	20.54	4137.	51.56	41130.	3165.
Stddev	.0863	.29	19.	2.53	266.	24.
%RSD	242.6	1.431	.4477	4.912	.6461	.7701

#1	.0464	20.57	4118.	49.57	40850.	3159.
#2	-.0275	20.24	4136.	54.41	41170.	3145.
#3	-.1255	20.82	4155.	50.69	41370.	3192.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9677.	397.1	1640.	51.56	77.25	-2.922
Stddev	57.	1.7	27.	.43	.75	1.804
%RSD	.5889	.4328	1.627	.8393	.9761	61.76

#1	9618.	395.4	1617.	51.11	78.09	-4.432
#2	9681.	396.9	1635.	51.59	76.61	-.9238
#3	9732.	398.8	1669.	51.97	77.07	-3.409

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-14-B@4 Acquired: 10/12/2011 21:54:39 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.470	2.855	55.66	77.73	17.10	.5257
Stddev	1.819	1.434	.19	.17	.43	.3216
%RSD	40.69	50.21	.3361	.2194	2.539	61.17
#1	5.450	3.489	55.78	77.54	17.59	.8677
#2	5.589	1.214	55.44	77.87	16.97	.2295
#3	2.371	3.862	55.76	77.78	16.75	.4798

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	54.63	269.9	573.9
Stddev	.85	1.5	3.0
%RSD	1.551	.5416	.5192
#1	54.19	269.5	572.4
#2	54.09	268.6	572.0
#3	55.61	271.5	577.4

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2529.8	34950.	4656.4
Stddev	5.2	63.	31.6
%RSD	.20585	.18102	.67833
#1	2525.8	34976.	4626.3
#2	2535.7	34995.	4689.3
#3	2527.9	34877.	4653.6

Sample Name: CCV Acquired: 10/12/2011 21:58:14 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125800.	2489.	1247.	10140.	1007.	126200.
Stddev	175.	5.	1.	5.	3.	324.
%RSD	.1394	.1976	.0943	.0523	.2666	.2570

#1	126000.	2493.	1248.	10150.	1010.	126600.
#2	125600.	2490.	1246.	10140.	1005.	126000.
#3	125700.	2483.	1246.	10140.	1006.	126000.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1266.	2507.	5088.	12620.	102800.	50190.
Stddev	1.	2.	6.	34.	681.	177.
%RSD	.0939	.0835	.1188	.2721	.6625	.3535

#1	1267.	2509.	5088.	12660.	102500.	50390.
#2	1265.	2506.	5082.	12590.	102300.	50050.
#3	1265.	2505.	5094.	12600.	103600.	50130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124400.	5230.	124300.	2536.	7577.	1007.
Stddev	109.	14.	504.	3.	11.	6.
%RSD	.0880	.2689	.4060	.1020	.1474	.5870

#1	124400.	5225.	124800.	2539.	7590.	1004.
#2	124200.	5220.	124100.	2536.	7568.	1014.
#3	124500.	5246.	123800.	2534.	7574.	1003.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 21:58:14 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2449.	2540.	2558.	2497.	998.1	2530.
Stddev	7.	2.	15.	3.	1.2	1.
%RSD	.2820	.0915	.5683	.1222	.1183	.0573

#1	2455.	2539.	2554.	2500.	997.3	2530.
#2	2442.	2543.	2545.	2498.	999.4	2528.
#3	2449.	2539.	2574.	2494.	997.4	2531.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1003.	5115.	9928.
Stddev	2.	17.	22.
%RSD	.1495	.3270	.2248

#1	1002.	5133.	9953.
#2	1002.	5110.	9922.
#3	1005.	5101.	9909.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2326.0	31871.	4443.8
Stddev	3.4	40.	30.6
%RSD	.14590	.12518	.68941

#1	2322.8	31906.	4408.5
#2	2329.6	31878.	4463.5
#3	2325.7	31827.	4459.4

Sample Name: CCB Acquired: 10/12/2011 22:01:33 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4697	.8403	-5170	.8189	-1538	-7.795
Stddev	9.946	1.884	.9015	.1619	.1260	5.899
%RSD	2118.	224.2	174.4	19.77	81.95	75.68

#1	10.56	-9.177	-.3007	1.005	-.0088	-12.22
#2	-8.757	2.829	-1.507	.7109	-.2154	-1.098
#3	-3.211	.6097	.2566	.7406	-.2372	-10.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1216	.0857	.7779	-8268	9.981	10.78
Stddev	.0075	.1608	.2580	2.277	7.607	49.06
%RSD	6.143	187.5	33.17	275.4	76.22	455.2

#1	.1148	-.0666	.7064	-2.220	16.76	67.26
#2	.1296	.0700	.5632	1.801	11.42	-21.23
#3	.1204	.2538	1.064	-2.061	1.755	-13.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.03	.2779	-16.24	.3325	-6190	.3737
Stddev	3.78	.0103	6.82	.2167	1.014	2.252
%RSD	34.25	3.701	42.01	65.19	163.9	602.6

#1	15.25	.2888	-8.435	.1697	-.2143	-2.217
#2	9.896	.2684	-21.07	.2492	.1306	1.863
#3	7.950	.2764	-19.21	.5785	-1.773	1.475

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 22:01:33 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.807	1.418	.6306	.0662	1.213	.8958
Stddev	3.232	1.076	.4220	.2207	.492	.4507
%RSD	84.90	75.83	66.91	333.5	40.54	50.31
#1	7.382	.7756	.7885	.2424	.9686	1.374
#2	1.092	.8194	.9509	.1374	1.780	.8349
#3	2.947	2.660	.1525	-.1813	.8919	.4787

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.9149	.3719	.8106
Stddev	.7028	.0357	1.418
%RSD	76.82	9.600	175.0
#1	1.599	.3310	1.278
#2	.1945	.3968	1.936
#3	.9514	.3880	-.7823

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2532.6	34946.	4511.0
Stddev	10.0	136.	18.8
%RSD	.39302	.39017	.41779
#1	2539.4	35103.	4531.2
#2	2537.2	34863.	4508.1
#3	2521.1	34872.	4493.9

Sample Name: 460-32121-A-19-A@4 Acquired: 10/12/2011 22:05:17 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11290.	5.106	-5036	450.1	.5729	7625.
Stddev	71.	1.378	.4966	1.9	.0831	46.
%RSD	.6331	27.00	98.60	.4321	14.50	.6089

#1	11240.	5.858	-.0452	448.2	.5854	7586.
#2	11270.	5.944	-.4345	450.1	.6490	7613.
#3	11370.	3.515	-1.031	452.1	.4842	7676.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.455	2.155	215.0	.4624	3660.	942.0
Stddev	.036	.158	1.3	2.388	16.	35.6
%RSD	.5516	7.331	.5846	516.4	.4262	3.784

#1	6.466	1.975	213.7	.7629	3642.	917.6
#2	6.483	2.218	215.3	-2.062	3665.	925.5
#3	6.415	2.272	216.1	2.686	3672.	982.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	657.0	21.23	8033.	7.280	30.54	3.190
Stddev	2.5	.06	79.	.208	1.11	1.702
%RSD	.3849	.2812	.9876	2.859	3.634	53.37

#1	654.2	21.16	7954.	7.046	31.72	3.710
#2	657.7	21.26	8031.	7.351	30.37	1.288
#3	659.2	21.26	8113.	7.444	29.52	4.572

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-19-A@4 Acquired: 10/12/2011 22:05:17 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.974	.4415	11.23	F 11140.	9.459	-.7096
Stddev	2.863	.6006	.24	53.	.634	.2164
%RSD	145.1	136.0	2.116	.4735	6.702	30.49
#1	2.476	1.070	11.47	11090.	9.554	-.8695
#2	4.552	-.1264	11.00	11140.	10.04	-.4634
#3	-1.107	.3808	11.22	11190.	8.783	-.7958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	3.574	38.12	106.5
Stddev	.466	.22	1.4
%RSD	13.05	.5822	1.288
#1	4.080	37.89	105.3
#2	3.163	38.14	106.3
#3	3.478	38.33	108.0
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2604.7	35672.	4680.8
Stddev	9.5	20.	10.6
%RSD	.36347	.05734	.22719
#1	2593.9	35687.	4671.0
#2	2611.6	35680.	4692.1
#3	2608.5	35648.	4679.4

Sample Name: 460-32121-A-21-A@4 Acquired: 10/12/2011 22:08:53 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	93250.	F -217.5	.9899	F 132700.	1.511	F 599400.
Stddev	134.	9.6	.3828	340.	.061	384.
%RSD	.1439	4.423	38.67	.2562	4.019	.0641

#1	93110.	-210.7	1.214	132600.	1.523	599500.
#2	93370.	-228.5	.5479	133100.	1.565	599700.
#3	93270.	-213.4	1.208	132500.	1.445	598900.

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit		9000.		20000.		250000.
Low Limit		-10.00		-1000.		-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30.74	741.8	F 115800.	159.4	191100.	1088.
Stddev	.21	2.4	962.	3.8	993.	45.
%RSD	.6832	.3247	.8304	2.411	.5195	4.118

#1	30.59	740.6	116700.	161.6	192200.	1044.
#2	30.98	744.5	114800.	154.9	190700.	1086.
#3	30.65	740.2	116000.	161.6	190300.	1133.

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10000.			
Low Limit			-20.00			

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	76850.	2825.	1697.	2031.	1406.	972.3
Stddev	73.	8.	8.	7.	8.	24.3
%RSD	.0954	.2740	.4947	.3413	.5491	2.497

#1	76900.	2833.	1696.	2031.	1405.	949.7
#2	76760.	2825.	1689.	2038.	1414.	998.0
#3	76880.	2817.	1706.	2024.	1399.	969.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-21-A@4 Acquired: 10/12/2011 22:08:53 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -37.56	49.66	477.4	F 10520.	-27.42	15.24
Stddev	5.44	.56	3.3	26.	1.03	.98
%RSD	14.49	1.131	.6878	.2516	3.745	6.457
#1	-31.84	50.22	481.2	10530.	-27.25	16.26
#2	-38.18	49.09	475.9	10550.	-26.49	15.16
#3	-42.67	49.68	475.1	10500.	-28.52	14.29
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	9000.			5000.		
Low Limit	-10.00			-50.00		

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	51.77	2253.	2543.
Stddev	1.26	3.	3.
%RSD	2.431	.1279	.1178
#1	51.70	2250.	2543.
#2	53.06	2256.	2547.
#3	50.55	2254.	2541.
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1695.0	32087.	4586.0
Stddev	6.1	170.	13.8
%RSD	.36017	.53055	.30198
#1	1692.2	31910.	4570.4
#2	1690.8	32250.	4591.0
#3	1702.0	32100.	4596.7

Sample Name: 460-31963-A-10-B@4 Acquired: 10/12/2011 22:12:39 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24940.	34.87	.8099	893.1	.4028	11680.
Stddev	34.	.35	.4279	1.4	.1335	24.
%RSD	.1369	1.006	52.84	.1577	33.14	.2057
#1	24970.	34.50	.3172	894.7	.5093	11650.
#2	24910.	35.20	1.089	892.5	.2530	11690.
#3	24960.	34.91	1.023	892.0	.4462	11700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.476	15.52	168.5	76.87	49500.	1745.
Stddev	.083	.25	1.5	2.20	73.	56.
%RSD	3.342	1.585	.8693	2.867	.1485	3.228
#1	2.526	15.45	169.5	74.42	49580.	1701.
#2	2.520	15.32	169.2	78.68	49430.	1808.
#3	2.380	15.80	166.8	77.53	49490.	1725.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4466.	420.0	1082.	94.13	F 25490.	F 2246.
Stddev	7.	.3	12.	.15	19.	3.
%RSD	.1573	.0743	1.089	.1597	.0730	.1442
#1	4469.	420.2	1079.	94.07	25480.	2244.
#2	4458.	419.6	1071.	94.30	25480.	2250.
#3	4470.	420.1	1095.	94.02	25510.	2244.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					15000.	2000.
Low Limit					-10.00	-20.00

Sample Name: 460-31963-A-10-B@4 Acquired: 10/12/2011 22:12:39 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.077	-1.569	33.94	1406.	16.20	.6390
Stddev	.912	.639	.42	3.	.18	.1736
%RSD	84.71	40.72	1.250	.2010	1.132	27.17
#1	-.6454	-2.306	33.57	1404.	16.04	.7880
#2	-.4608	-1.227	33.86	1405.	16.16	.6808
#3	-2.125	-1.174	34.40	1409.	16.40	.4483

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	849.1	71.90	235.5
Stddev	.8	.36	.4
%RSD	.0896	.5006	.1870
#1	849.5	71.51	236.0
#2	848.2	72.21	235.1
#3	849.5	71.99	235.4

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2616.2	35787.	4742.6
Stddev	4.1	207.	25.9
%RSD	.15759	.57895	.54534
#1	2614.8	35588.	4713.4
#2	2620.9	35772.	4751.8
#3	2613.0	36002.	4762.7

Sample Name: 460-32020-A-11-B DU Acquired: 10/12/2011 22:16:08 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	139.7	4.472	-.0118	38.38	-.1000	37070.
Stddev	24.1	1.117	.3132	.22	.1131	31.
%RSD	17.28	24.97	2649.	.5772	113.1	.0839

#1	112.4	3.735	-.3487	38.62	-.0704	37050.
#2	158.4	5.757	.0426	38.34	-.2249	37100.
#3	148.3	3.924	.2706	38.18	-.0047	37050.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0820	-.2663	2.397	-3.306	252.3	10870.
Stddev	.1163	.2945	.570	2.539	2.5	43.
%RSD	141.8	110.6	23.77	76.79	.9964	.3926

#1	.2161	.0714	1.796	-1.429	251.7	10830.
#2	.0074	-.4700	2.930	-2.295	255.1	10910.
#3	.0226	-.4003	2.463	-6.194	250.2	10850.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2142.	247.6	48230.	.8775	.3515	2.551
Stddev	5.	.5	32.	.1900	1.268	.211
%RSD	.2422	.2111	.0665	21.65	360.6	8.262

#1	2148.	247.5	48240.	.6636	-1.104	2.317
#2	2140.	247.2	48250.	1.027	.9457	2.611
#3	2138.	248.2	48190.	.9421	1.213	2.726

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32020-A-11-B DU Acquired: 10/12/2011 22:16:08 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.484	1.764	3.310	1.698	73.20	6.657
Stddev	2.213	2.433	.523	.146	.70	.143
%RSD	149.1	137.9	15.80	8.611	.9608	2.155
#1	2.189	3.900	2.955	1.545	72.41	6.525
#2	3.258	-.8850	3.064	1.836	73.78	6.809
#3	-.9958	2.279	3.910	1.712	73.40	6.636

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.9588	171.4	15.59
Stddev	.7490	.2	.29
%RSD	78.12	.1085	1.870
#1	1.667	171.2	15.92
#2	.1751	171.6	15.45
#3	1.034	171.4	15.39

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2536.5	34566.	4664.3
Stddev	7.9	242.	13.4
%RSD	.31334	.69899	.28664
#1	2528.6	34691.	4653.5
#2	2544.5	34719.	4660.1
#3	2536.6	34287.	4679.2

Sample Name: 460-32020-D-11-A Acquired: 10/12/2011 22:19:47 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	134.1	3.377	.0467	37.77	.0313	36920.
Stddev	5.2	2.058	.4204	.13	.1058	15.
%RSD	3.871	60.94	901.2	.3386	338.0	.0418

#1	135.6	1.878	.0270	37.72	-.0870	36930.
#2	138.4	5.723	.4766	37.91	.0640	36920.
#3	128.3	2.529	-.3636	37.66	.1169	36900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0803	-.0656	1.571	.0855	244.2	10800.
Stddev	.0583	.2503	.397	2.663	7.8	28.
%RSD	72.63	381.5	25.23	3113.	3.181	.2568

#1	.0527	-.1589	1.114	-2.413	244.6	10820.
#2	.1473	.2179	1.790	2.886	236.3	10770.
#3	.0409	-.2558	1.811	-.2159	251.8	10810.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2138.	246.4	48170.	.7940	1.448	1.157
Stddev	5.	.6	61.	.0724	1.161	1.971
%RSD	.2304	.2441	.1273	9.123	80.18	170.3

#1	2144.	247.0	48140.	.7587	.8060	2.092
#2	2137.	245.8	48130.	.7460	.7499	-1.107
#3	2134.	246.4	48240.	.8774	2.788	2.486

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32020-D-11-A Acquired: 10/12/2011 22:19:47 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.471	.5709	2.912	1.642	72.89	6.943
Stddev	.780	.3211	.183	.194	.36	.299
%RSD	22.49	56.25	6.292	11.79	.4930	4.309
#1	3.582	.2372	2.724	1.744	73.22	7.208
#2	4.189	.8777	2.921	1.418	72.51	6.618
#3	2.640	.5980	3.090	1.763	72.95	7.002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.0679	170.8	14.27
Stddev	.7003	.1	1.35
%RSD	1031.	.0587	9.431
#1	.6585	170.8	15.49
#2	-.7058	170.9	12.83
#3	.2509	170.7	14.51

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2535.8	34772.	4660.1
Stddev	4.2	87.	11.5
%RSD	.16489	.24935	.24652
#1	2536.9	34672.	4666.6
#2	2531.2	34824.	4666.8
#3	2539.3	34821.	4646.8

Sample Name: 460-31963-A-20-E DU@ Acquired: 10/12/2011 22:23:27 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29700.	9.804	-7.7473	133.4	1.455	3440.
Stddev	71.	2.352	.5247	.2	.078	2.
%RSD	.2375	23.99	70.21	.1194	5.380	.0632

#1	29620.	8.304	-1.291	133.4	1.518	3437.
#2	29700.	12.51	-.7069	133.5	1.367	3441.
#3	29760.	8.593	-.2440	133.2	1.479	3442.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1209	15.89	47.32	38.57	40880.	3632.
Stddev	.0623	.08	.31	2.89	177.	30.
%RSD	51.56	.5034	.6483	7.498	.4323	.8264

#1	.0720	15.87	47.18	35.23	40680.	3665.
#2	.0996	15.98	47.11	40.09	40950.	3607.
#3	.1910	15.82	47.67	40.38	41010.	3624.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9899.	333.1	544.9	38.67	23.64	-.5586
Stddev	31.	.6	2.8	.24	1.36	.8184
%RSD	.3113	.1794	.5218	.6316	5.770	146.5

#1	9866.	332.5	542.8	38.47	24.57	-1.501
#2	9904.	333.3	548.1	38.94	22.08	-.1429
#3	9927.	333.7	543.8	38.58	24.29	-.0315

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-20-E DU@ Acquired: 10/12/2011 22:23:27 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.864	.1853	54.56	89.88	17.12	.1906
Stddev	2.496	1.220	.83	.26	.16	.1632
%RSD	87.14	658.3	1.527	.2913	.9623	85.61

#1	-5.373	-5.734	55.03	89.98	17.25	.3777
#2	-.3809	1.592	55.05	90.08	17.18	.0776
#3	-2.839	-.4630	53.60	89.59	16.94	.1166

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	2.780	21.00	699.5
Stddev	.442	.14	2.0
%RSD	15.90	.6628	.2925

#1	2.326	20.84	697.1
#2	3.209	21.06	700.6
#3	2.806	21.10	700.7

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2704.2	37334.	4920.8
Stddev	3.2	115.	34.9
%RSD	.11965	.30729	.70892

#1	2703.0	37443.	4955.0
#2	2707.9	37346.	4922.2
#3	2701.8	37215.	4885.2

Sample Name: 460-31963-A-20-D@4 Acquired: 10/12/2011 22:27:00 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27010.	7.489	-1.496	105.1	1.356	3202.
Stddev	127.	1.307	.304	.1	.021	14.
%RSD	.4714	17.45	20.35	.1003	1.563	.4417
#1	26870.	8.119	-1.333	105.0	1.379	3186.
#2	27030.	8.361	-1.308	105.2	1.351	3207.
#3	27120.	5.987	-1.847	105.2	1.338	3213.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2575	14.76	42.07	31.01	37910.	3068.
Stddev	.1036	.05	.22	2.89	45.	45.
%RSD	40.26	.3089	.5124	9.321	.1188	1.471
#1	.3731	14.73	42.31	29.19	37950.	3095.
#2	.2265	14.74	41.89	34.35	37870.	3016.
#3	.1728	14.81	42.01	29.51	37900.	3092.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8994.	305.7	511.2	35.08	22.23	-1.186
Stddev	12.	.3	12.9	.41	1.00	.476
%RSD	.1345	.0883	2.517	1.176	4.483	40.16
#1	8981.	305.4	497.2	34.63	21.40	-1.584
#2	9002.	305.8	522.6	35.43	23.33	-.6583
#3	9001.	306.0	513.8	35.19	21.95	-1.315

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-20-D@4 Acquired: 10/12/2011 22:27:00 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6438	-1.167	49.50	83.16	15.11	.1170
Stddev	3.683	1.536	.27	.04	.37	.2525
%RSD	572.0	131.6	.5488	.0493	2.475	215.8
#1	3.437	-1.454	49.73	83.18	15.50	.1280
#2	-3.530	.4927	49.20	83.12	14.76	.3638
#3	2.024	-2.539	49.57	83.19	15.07	-.1408

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	3.110	19.13	666.4
Stddev	.413	.12	2.0
%RSD	13.28	.6032	.2934
#1	2.658	19.15	664.4
#2	3.468	19.00	668.3
#3	3.203	19.23	666.7

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2680.8	37256.	4893.1
Stddev	3.0	159.	22.1
%RSD	.11324	.42697	.45165
#1	2684.0	37331.	4899.3
#2	2678.0	37073.	4868.6
#3	2680.4	37364.	4911.4

Sample Name: SD 460-31963-A-20-D@ Acquired: 10/12/2011 22:30:33 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5618.	2.926	-3984	21.91	.1870	651.9
Stddev	23.	1.039	.8285	.06	.2131	15.6
%RSD	.4104	35.51	208.0	.2898	113.9	2.393

#1	5613.	3.716	.5358	21.95	.0407	668.6
#2	5643.	1.749	-.6869	21.84	.4315	649.5
#3	5598.	3.313	-1.044	21.95	.0888	637.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0644	2.994	8.808	4.023	8071.	657.8
Stddev	.0688	.108	.294	4.631	35.	38.0
%RSD	106.7	3.592	3.334	115.1	.4295	5.784

#1	.0561	3.117	8.933	9.084	8040.	650.8
#2	.1370	2.942	9.018	2.986	8109.	623.8
#3	.0002	2.922	8.473	-.0025	8065.	698.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1897.	64.59	84.09	7.752	4.982	-.6859
Stddev	3.	.14	6.81	.092	1.129	.3319
%RSD	.1574	.2179	8.099	1.187	22.66	48.38

#1	1894.	64.46	76.82	7.807	3.821	-.5520
#2	1900.	64.74	85.11	7.645	5.050	-1.064
#3	1898.	64.57	90.33	7.803	6.076	-.4420

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: SD 460-31963-A-20-D@ Acquired: 10/12/2011 22:30:33 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.500	2.425	10.50	17.31	2.807	.2284
Stddev	4.061	2.104	.29	.16	.499	.2777
%RSD	162.5	86.79	2.793	.9201	17.77	121.6
#1	7.028	4.131	10.80	17.17	2.246	.5224
#2	1.289	3.069	10.47	17.26	3.199	.1920
#3	-.8186	.0735	10.22	17.48	2.977	-.0294

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.8245	3.999	136.5
Stddev	.1509	.037	1.9
%RSD	18.30	.9206	1.424
#1	.9983	3.965	135.1
#2	.7496	4.038	135.5
#3	.7257	3.994	138.7

Check ? Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2617.6	36126.	4677.7
Stddev	5.0	220.	24.2
%RSD	.19191	.61017	.51653
#1	2623.1	36371.	4690.2
#2	2613.3	36062.	4649.8
#3	2616.5	35944.	4693.0

Sample Name: 460-31963-A-20-F MS@ Acquired: 10/12/2011 22:34:12 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35120.	895.5	21.73	1065.	25.08	12990.
Stddev	60.	2.8	.59	4.	.19	18.
%RSD	.1718	.3142	2.694	.3742	.7523	.1394

#1	35060.	897.7	21.41	1061.	24.92	12970.
#2	35120.	892.3	21.36	1066.	25.29	12990.
#3	35180.	896.4	22.40	1068.	25.04	13010.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.58	252.0	142.3	153.1	40600.	14730.
Stddev	.04	1.1	.6	4.5	326.	3.
%RSD	.1547	.4237	.3917	2.907	.8023	.0201

#1	23.59	250.8	141.7	153.0	40320.	14730.
#2	23.62	252.4	142.4	148.8	40540.	14730.
#3	23.55	252.8	142.8	157.7	40960.	14730.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19470.	574.6	9811.	278.3	264.3	157.9
Stddev	64.	3.1	10.	.7	.5	.8
%RSD	.3274	.5323	.1003	.2690	.1857	.4841

#1	19400.	572.5	9815.	277.4	264.8	158.7
#2	19480.	573.1	9800.	278.5	264.4	157.8
#3	19530.	578.1	9819.	278.8	263.8	157.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-20-F MS@ Acquired: 10/12/2011 22:34:12 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	875.8	985.9	292.0	322.3	259.2	228.6
Stddev	2.1	2.8	1.2	1.1	1.0	1.2
%RSD	.2345	.2843	.4178	.3465	.4007	.5065
#1	875.7	982.7	290.7	321.2	258.3	227.6
#2	877.9	987.9	292.4	322.3	258.8	228.2
#3	873.8	987.0	293.0	323.5	260.3	229.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	229.8	255.4	956.1
Stddev	1.3	.5	3.0
%RSD	.5789	.1811	.3160
#1	228.7	255.0	953.3
#2	229.4	255.5	959.3
#3	231.3	255.9	955.8

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2653.8	36365.	4840.8
Stddev	9.1	123.	13.4
%RSD	.34458	.33815	.27677
#1	2656.6	36280.	4826.4
#2	2661.2	36506.	4853.0
#3	2643.6	36307.	4843.0

Sample Name: PDS 460-31963-A-20-D Acquired: 10/12/2011 22:37:37 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28770.	1816.	50.86	2018.	48.49	22680.
Stddev	93.	5.	.50	2.	.16	10.
%RSD	.3239	.2647	.9900	.1190	.3324	.0457

#1	28680.	1810.	51.15	2015.	48.68	22680.
#2	28750.	1819.	51.16	2020.	48.40	22700.
#3	28870.	1818.	50.28	2019.	48.40	22670.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.49	492.7	233.8	276.3	39130.	21940.
Stddev	.11	.6	.8	4.9	58.	39.
%RSD	.2325	.1119	.3525	1.758	.1480	.1772

#1	47.61	493.1	233.2	281.1	39170.	21940.
#2	47.40	492.0	234.8	271.4	39160.	21900.
#3	47.46	492.9	233.5	276.3	39070.	21970.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27180.	809.7	19080.	519.3	509.8	454.3
Stddev	66.	.6	28.	.4	1.0	2.0
%RSD	.2438	.0718	.1493	.0833	.1897	.4363

#1	27250.	809.8	19070.	519.0	510.6	452.1
#2	27190.	810.2	19110.	519.0	508.8	455.9
#3	27120.	809.0	19060.	519.8	510.1	454.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: PDS 460-31963-A-20-D Acquired: 10/12/2011 22:37:37 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1783.	1972.	526.2	554.1	487.6	472.1
Stddev	4.	2.	1.1	.7	.8	.3
%RSD	.2009	.0817	.2060	.1318	.1740	.0714

#1	1787.	1972.	525.5	553.7	486.9	471.8
#2	1782.	1974.	527.5	553.7	488.5	472.3
#3	1780.	1971.	525.7	554.9	487.5	472.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	471.4	488.0	1144.
Stddev	.2	.7	3.
%RSD	.0522	.1453	.2319

#1	471.7	488.3	1141.
#2	471.3	488.5	1145.
#3	471.3	487.2	1146.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2625.9	35936.	4815.3
Stddev	7.0	130.	25.5
%RSD	.26577	.36292	.52998

#1	2632.1	35850.	4837.6
#2	2627.1	35871.	4820.6
#3	2618.3	36086.	4787.5

Sample Name: CCV Acquired: 10/12/2011 22:41:00 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	2478.	1243.	10120.	1007.	125500.
Stddev	354.	8.	3.	20.	3.	675.
%RSD	.2809	.3117	.2021	.1959	.3244	.5378

#1	125700.	2470.	1240.	10100.	1004.	124800.
#2	126000.	2480.	1245.	10130.	1007.	125600.
#3	126500.	2485.	1245.	10140.	1010.	126200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1262.	2498.	5053.	12620.	101100.	49770.
Stddev	2.	6.	10.	55.	735.	290.
%RSD	.1671	.2226	.1957	.4349	.7274	.5820

#1	1259.	2492.	5042.	12570.	100300.	49470.
#2	1262.	2499.	5058.	12620.	101300.	49790.
#3	1264.	2503.	5059.	12680.	101700.	50050.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122400.	5204.	122600.	2526.	7548.	1007.
Stddev	218.	19.	1006.	5.	18.	1.
%RSD	.1780	.3583	.8209	.1899	.2395	.0606

#1	122100.	5182.	121500.	2521.	7531.	1006.
#2	122500.	5216.	122800.	2528.	7547.	1007.
#3	122500.	5213.	123500.	2530.	7567.	1007.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 22:41:00 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2435.	2507.	2527.	2489.	997.1	2532.
Stddev	11.	6.	19.	6.	3.4	6.
%RSD	.4348	.2462	.7370	.2542	.3453	.2497
#1	2429.	2502.	2507.	2482.	993.3	2525.
#2	2429.	2514.	2531.	2491.	998.0	2534.
#3	2447.	2505.	2543.	2494.	999.9	2537.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	993.5	5083.	9909.
Stddev	3.5	30.	28.
%RSD	.3537	.5822	.2782
#1	989.4	5052.	9887.
#2	995.6	5086.	9899.
#3	995.5	5111.	9940.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2341.9	32415.	4499.3
Stddev	4.2	126.	9.5
%RSD	.17769	.38968	.21210
#1	2345.9	32542.	4500.8
#2	2342.2	32289.	4508.0
#3	2337.6	32414.	4489.1

Sample Name: CCB Acquired: 10/12/2011 22:44:19 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.073	1.098	.4593	.4342	-.1005	5.422
Stddev	6.172	1.576	.7814	.2189	.0732	19.49
%RSD	76.46	143.6	170.1	50.41	72.80	359.5

#1	2.747	-.7202	1.222	.6688	-.0180	-14.15
#2	6.634	1.936	-.3393	.3984	-.1258	24.83
#3	14.84	2.078	.4950	.2355	-.1576	5.586

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0432	-.1159	.3625	-3.008	13.67	-5.408
Stddev	.1217	.2561	.0978	4.084	7.95	36.08
%RSD	281.8	221.0	26.97	135.8	58.16	667.3

#1	.1653	-.1147	.3406	-2.070	15.75	-30.65
#2	.0424	.1396	.4694	-7.479	20.38	35.92
#3	-.0781	-.3726	.2776	.5257	4.890	-21.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.807	.1737	13.03	.4975	-1.239	-1.230
Stddev	1.470	.0641	11.94	.1749	.694	.951
%RSD	30.59	36.92	91.61	35.16	56.03	77.30

#1	3.249	.1427	19.93	.3385	-.4603	-2.224
#2	5.001	.2474	-.7538	.6849	-1.462	-1.135
#3	6.170	.1310	19.92	.4692	-1.793	-.3300

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 22:44:19 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.750	2.616	.0628	.0400	1.760	1.082
Stddev	1.522	2.109	.0541	.1067	.694	.551
%RSD	86.96	80.64	86.23	266.7	39.45	50.90
#1	-0.0060	3.129	.0287	.1629	2.349	1.554
#2	2.570	.2972	.1252	-.0288	.9943	1.214
#3	2.686	4.421	.0344	-.0141	1.936	.4772

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.5132	.0049	-.2026
Stddev	.2936	.0551	.4814
%RSD	57.21	1129.	237.6
#1	.8522	-.0477	-.7581
#2	.3438	.0622	.0569
#3	.3436	.0002	.0934

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2570.3	35289.	4611.8
Stddev	3.6	110.	21.2
%RSD	.13955	.31126	.45950
#1	2574.1	35414.	4605.7
#2	2567.1	35211.	4594.3
#3	2569.7	35241.	4635.4

Sample Name: MB 460-89161/1-A@2 Acquired: 10/12/2011 22:48:03 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.957	.8008	.0424	.1111	-.1314	-5.264
Stddev	11.12	1.564	.2370	.1061	.1114	18.18
%RSD	376.1	195.3	558.4	95.46	84.73	345.3

#1	-15.79	.4470	-.2312	.1969	-.2367	-26.25
#2	3.733	-.5560	.1764	.1440	-.1429	5.474
#3	3.192	2.511	.1820	-.0075	-.0148	4.987

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0721	-.1506	.1415	-.5277	7.687	5.191
Stddev	.0984	.1477	.4313	3.032	10.35	65.28
%RSD	136.4	98.11	304.9	574.7	134.7	1258.

#1	-.0861	-.2090	.2696	.8750	17.23	-62.21
#2	.0325	.0174	-.3394	1.550	9.154	9.654
#3	-.1627	-.2602	.4941	-4.008	-3.319	68.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.847	.0078	-7.105	.2770	-.5089	1.486
Stddev	2.298	.0520	24.20	.1018	1.815	1.707
%RSD	80.70	665.4	340.5	36.76	356.7	114.9

#1	1.924	.0306	20.72	.1928	-2.438	.3964
#2	1.155	-.0517	-18.81	.3901	1.166	3.452
#3	5.463	.0445	-23.22	.2481	-.2545	.6082

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-89161/1-A@2 Acquired: 10/12/2011 22:48:03 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.868	-.2920	.1826	.3468	.9830	.2381
Stddev	2.592	.1912	.4473	.0470	.4905	.1990
%RSD	138.7	65.48	244.9	13.56	49.90	83.59
#1	-.7961	-.3517	-.2006	.3659	.7471	.4652
#2	4.381	-.4461	.6741	.2932	.6549	.1552
#3	2.019	-.0781	.0743	.3813	1.547	.0939

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.1407	.1441	.0840
Stddev	.6099	.0623	.5729
%RSD	433.4	43.23	681.8
#1	-.1488	.2138	.6075
#2	.8415	.0938	.1727
#3	-.2705	.1248	-.5281

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2504.1	34668.	4518.4
Stddev	3.9	106.	15.9
%RSD	.15483	.30631	.35269
#1	2506.3	34741.	4509.9
#2	2506.3	34546.	4536.8
#3	2499.6	34717.	4508.6

Sample Name: LCSSRM 460-89161/2-A Acquired: 10/12/2011 22:51:45 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33740.	491.1	143.7	900.4	382.8	47690.
Stddev	95.	3.5	.6	2.4	1.0	75.
%RSD	.2807	.7086	.4167	.2614	.2610	.1568

#1	33770.	492.0	143.2	897.9	383.3	47730.
#2	33640.	487.3	143.6	902.6	381.6	47610.
#3	33820.	494.1	144.4	900.8	383.4	47740.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	297.3	467.0	1146.	840.8	78270.	18540.
Stddev	.4	1.4	3.	5.2	114.	38.
%RSD	.1337	.3063	.2629	.6149	.1452	.2043

#1	296.9	465.8	1143.	844.5	78170.	18540.
#2	297.2	466.5	1149.	834.9	78400.	18500.
#3	297.7	468.6	1147.	842.9	78240.	18570.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16330.	2770.	4601.	685.5	434.9	884.9
Stddev	22.	5.	22.	1.6	1.6	.1
%RSD	.1363	.1874	.4801	.2282	.3628	.0121

#1	16310.	2764.	4588.	684.3	435.6	884.8
#2	16360.	2774.	4589.	684.8	433.1	885.0
#3	16330.	2771.	4627.	687.2	436.0	884.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-89161/2-A Acquired: 10/12/2011 22:51:45 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1324.	630.2	542.0	2886.	667.7	257.0
Stddev	7.	2.2	.6	6.	3.4	.3
%RSD	.5151	.3450	.1059	.2060	.5051	.1342
#1	1316.	628.5	542.4	2881.	663.9	257.1
#2	1329.	629.4	542.2	2886.	668.6	256.7
#3	1327.	632.6	541.3	2893.	670.5	257.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	529.2	1083.	1702.
Stddev	1.6	4.	10.
%RSD	.3020	.3270	.5658
#1	527.7	1082.	1704.
#2	529.0	1080.	1691.
#3	530.9	1087.	1710.

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2656.7	36716.	4913.1
Stddev	4.7	83.	20.5
%RSD	.17556	.22532	.41723
#1	2660.2	36709.	4890.7
#2	2658.5	36638.	4917.8
#3	2651.4	36803.	4930.8

Sample Name: 460-32121-A-9-A@4 Acquired: 10/12/2011 22:55:08 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18890.	52.72	4.482	1358.	.7876	39950.
Stddev	10.	1.56	.792	2.	.0683	88.
%RSD	.0517	2.961	17.68	.1483	8.674	.2214

#1	18880.	51.73	5.016	1359.	.8663	39860.
#2	18900.	51.91	3.572	1355.	.7522	39950.
#3	18890.	54.52	4.858	1358.	.7442	40040.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.279	27.25	90.29	593.9	148400.	3598.
Stddev	.255	.11	.80	3.2	952.	35.
%RSD	3.500	.4098	.8815	.5374	.6414	.9687

#1	7.571	27.16	90.74	596.6	147300.	3587.
#2	7.106	27.37	89.37	590.4	148700.	3570.
#3	7.159	27.21	90.75	594.6	149100.	3637.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8788.	1386.	1053.	95.12	1700.	1.796
Stddev	11.	5.	15.	.16	1.	.779
%RSD	.1262	.3855	1.421	.1688	.0693	43.35

#1	8786.	1380.	1038.	95.29	1701.	2.199
#2	8779.	1386.	1068.	95.11	1701.	2.291
#3	8800.	1391.	1052.	94.97	1699.	.8988

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-9-A@4 Acquired: 10/12/2011 22:55:08 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.797	-8.105	91.64	2537.	53.59	13.51
Stddev	1.416	.9776	1.24	2.	.22	.70
%RSD	37.28	120.6	1.357	.0842	.4141	5.219
#1	-3.767	.1000	90.23	2539.	53.59	13.37
#2	-5.227	-1.844	92.09	2537.	53.37	14.27
#3	-2.397	-.6879	92.59	2535.	53.82	12.88

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	585.1	180.7	809.4
Stddev	1.5	.7	1.9
%RSD	.2569	.3950	.2382
#1	585.7	180.3	808.2
#2	586.2	180.2	811.6
#3	583.4	181.5	808.4

Check ? Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2586.9	35969.	4758.1
Stddev	5.5	120.	21.9
%RSD	.21120	.33274	.45952
#1	2582.8	36061.	4757.8
#2	2593.2	36013.	4780.2
#3	2584.9	35834.	4736.4

Sample Name: 460-32121-A-22-A@4 Acquired: 10/12/2011 22:58:37 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20230.	4.409	-6884	2633.	.9054	14880.
Stddev	13.	1.045	.9942	2.	.0897	16.
%RSD	.0629	23.70	144.4	.0846	9.905	.1051

#1	20230.	4.571	-.6202	2631.	.9259	14870.
#2	20250.	5.363	-1.715	2633.	.9830	14880.
#3	20230.	3.292	.2699	2636.	.8072	14900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4161	22.42	1373.	41.79	21590.	2898.
Stddev	.1136	.14	1.	4.72	91.	56.
%RSD	27.29	.6185	.1008	11.29	.4217	1.921

#1	.3620	22.54	1371.	43.64	21480.	2891.
#2	.3397	22.27	1374.	45.30	21650.	2846.
#3	.5466	22.45	1373.	36.43	21630.	2957.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8569.	216.2	949.3	59.13	51.19	-.0723
Stddev	20.	.8	13.8	.05	.22	1.823
%RSD	.2379	.3928	1.448	.0763	.4223	2521.

#1	8553.	215.2	957.9	59.08	51.00	.0098
#2	8562.	216.8	956.6	59.14	51.43	1.708
#3	8592.	216.6	933.5	59.17	51.13	-1.935

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-22-A@4 Acquired: 10/12/2011 22:58:37 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.683	.9107	74.01	218.0	10.27	-.0763
Stddev	2.465	.1702	.27	.4	.92	.3933
%RSD	66.93	18.69	.3588	.1651	8.953	515.4
#1	1.729	1.080	73.93	217.6	9.428	.3734
#2	2.868	.7392	73.80	218.1	10.13	-.2462
#3	6.452	.9134	74.31	218.3	11.25	-.3561

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	4.587	61.95	746.5
Stddev	.412	.25	2.0
%RSD	8.987	.4040	.2659
#1	4.142	62.23	748.4
#2	4.662	61.75	746.7
#3	4.957	61.88	744.5

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2602.9	35967.	4743.5
Stddev	4.5	141.	27.7
%RSD	.17189	.39244	.58412
#1	2598.9	36130.	4720.5
#2	2602.2	35893.	4774.3
#3	2607.7	35879.	4735.8

Sample Name: 460-32121-A-24-B@4 Acquired: 10/12/2011 23:02:10 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36470.	482.0	7.043	F 41970.	3.287	F 341400.
Stddev	33.	.9	1.125	163.	.078	1121.
%RSD	.0897	.1967	15.98	.3893	2.385	.3283

#1	36450.	483.1	8.048	42140.	3.376	342700.
#2	36450.	481.3	5.827	41810.	3.257	340900.
#3	36510.	481.7	7.254	41960.	3.228	340600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit				20000.		250000.
Low Limit				-1000.		-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	148.1	148.6	F 13330.	502.6	104800.	873.2
Stddev	.3	.4	26.	3.8	456.	6.6
%RSD	.2009	.2392	.1955	.7515	.4353	.7576

#1	148.3	148.8	13300.	505.9	104700.	866.8
#2	148.2	148.7	13350.	503.5	105300.	872.8
#3	147.7	148.2	13340.	498.5	104400.	880.0

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10000.			
Low Limit			-20.00			

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17830.	739.0	703.7	431.7	7254.	38.88
Stddev	25.	1.3	14.6	.3	6.	.78
%RSD	.1425	.1698	2.080	.0632	.0779	2.000

#1	17810.	738.9	720.5	431.8	7260.	38.65
#2	17860.	740.3	697.4	432.0	7251.	39.75
#3	17820.	737.8	693.4	431.4	7250.	38.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-24-B@4 Acquired: 10/12/2011 23:02:10 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2824	15.04	188.8	F 30220.	7.072	-.2140
Stddev	2.057	1.21	.8	30.	.428	.1094
%RSD	728.2	8.070	.4102	.0987	6.048	51.15
#1	1.830	16.08	189.1	30240.	6.984	-.2976
#2	-2.051	13.71	189.3	30230.	7.537	-.2542
#3	1.069	15.34	187.9	30180.	6.695	-.0901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	298.4	896.2	1443.
Stddev	.8	3.8	3.
%RSD	.2542	.4265	.1983
#1	297.8	900.6	1446.
#2	299.2	894.5	1440.
#3	298.2	893.6	1443.
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2436.1	34391.	4749.8
Stddev	1.9	166.	24.3
%RSD	.07963	.48151	.51242
#1	2434.6	34409.	4722.0
#2	2438.3	34216.	4759.9
#3	2435.3	34546.	4767.4

Sample Name: 460-32121-A-25-A@4 Acquired: 10/12/2011 23:05:47 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28100.	64.61	-7813	18650.	1.267	12500.
Stddev	173.	1.13	.2998	64.	.044	57.
%RSD	.6141	1.747	38.37	.3450	3.461	.4588

#1	27950.	65.83	-.6835	18580.	1.313	12430.
#2	28060.	63.60	-1.118	18650.	1.225	12520.
#3	28290.	64.39	-.5426	18710.	1.263	12540.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	113.1	22.34	430.0	70.66	35850.	4044.
Stddev	.3	.11	1.6	1.61	59.	25.
%RSD	.2422	.4830	.3686	2.272	.1656	.6093

#1	112.7	22.21	428.4	71.26	35790.	4033.
#2	113.2	22.38	430.2	71.88	35910.	4073.
#3	113.3	22.41	431.5	68.84	35840.	4027.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10710.	322.7	391.4	48.67	1568.	4.447
Stddev	30.	.5	10.3	.33	5.	1.431
%RSD	.2806	.1433	2.640	.6721	.3450	32.18

#1	10680.	322.3	380.4	48.45	1562.	3.141
#2	10730.	323.2	400.9	48.51	1571.	4.223
#3	10730.	322.7	393.0	49.04	1572.	5.977

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-25-A@4 Acquired: 10/12/2011 23:05:47 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.498	2.094	74.97	F 12040.	11.07	-2.230
Stddev	1.836	.192	.18	44.	.70	.221
%RSD	73.50	9.156	.2344	.3689	6.332	9.898
#1	4.260	1.882	74.92	11990.	10.30	-2.008
#2	.5962	2.143	75.17	12050.	11.68	-2.449
#3	2.637	2.256	74.83	12080.	11.21	-2.231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	31.75	260.8	711.5
Stddev	.47	1.1	4.1
%RSD	1.470	.4125	.5783
#1	32.10	260.0	707.0
#2	31.22	260.5	712.4
#3	31.94	262.0	715.1
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2626.0	36403.	4821.9
Stddev	5.4	116.	11.0
%RSD	.20412	.31867	.22811
#1	2630.6	36494.	4824.1
#2	2627.3	36273.	4810.0
#3	2620.1	36444.	4831.7

Sample Name: 460-32121-A-27-A@4 Acquired: 10/12/2011 23:09:21 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22880.	3.925	-.2650	439.2	.7901	25840.
Stddev	19.	.478	.5989	.9	.1095	43.
%RSD	.0837	12.19	226.0	.2152	13.86	.1654

#1	22870.	3.427	-.8655	440.3	.9141	25820.
#2	22860.	4.381	.3323	438.9	.7065	25820.
#3	22900.	3.967	-.2618	438.5	.7497	25890.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8086	12.44	235.0	68.35	38540.	2947.
Stddev	.0467	.31	.6	3.11	59.	62.
%RSD	5.773	2.507	.2605	4.553	.1531	2.116

#1	.8602	12.08	235.2	70.92	38470.	3019.
#2	.7692	12.64	234.3	69.24	38570.	2913.
#3	.7965	12.59	235.4	64.89	38580.	2909.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8639.	404.1	1518.	36.74	6557.	1.187
Stddev	17.	.4	7.	.31	7.	1.927
%RSD	.1933	.1051	.4470	.8382	.1140	162.3

#1	8637.	403.6	1524.	37.00	6565.	-.9458
#2	8624.	404.3	1510.	36.83	6555.	1.707
#3	8657.	404.4	1519.	36.40	6551.	2.801

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-27-A@4 Acquired: 10/12/2011 23:09:21 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.381	-1.685	33.49	238.8	94.34	2.996
Stddev	2.426	.503	.11	.6	.22	.062
%RSD	101.9	29.86	.3406	.2487	.2325	2.061
#1	-5.010	-2.259	33.44	239.4	94.27	2.953
#2	-1.905	-1.474	33.41	238.7	94.17	2.967
#3	-.2279	-1.321	33.62	238.2	94.59	3.067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	19.97	137.5	626.8
Stddev	.29	.5	1.3
%RSD	1.458	.3629	.2010
#1	20.07	137.0	628.2
#2	19.64	137.4	626.1
#3	20.20	138.0	626.0

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2587.1	35825.	4706.4
Stddev	5.0	42.	13.8
%RSD	.19357	.11691	.29392
#1	2581.4	35829.	4691.1
#2	2590.6	35864.	4710.0
#3	2589.4	35781.	4718.0

Sample Name: 460-32121-A-28-A@4 Acquired: 10/12/2011 23:12:55 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23260.	2.566	-7.7490	66.72	1.218	5086.
Stddev	77.	1.658	.5358	.35	.028	15.
%RSD	.3328	64.61	71.53	.5256	2.270	.2975

#1	23190.	2.691	-1.1352	66.34	1.214	5068.
#2	23250.	4.157	-1.123	66.79	1.193	5095.
#3	23340.	.8490	-9.887	67.03	1.248	5095.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0073	13.99	67.87	42.75	37260.	3099.
Stddev	.0551	.17	.20	1.31	72.	25.
%RSD	756.3	1.242	.2926	3.057	.1936	.8083

#1	.0227	14.07	67.91	44.26	37180.	3070.
#2	.0263	13.79	67.66	42.00	37280.	3115.
#3	-.0708	14.11	68.05	42.00	37320.	3110.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8858.	332.4	723.6	37.50	660.1	.1120
Stddev	31.	.8	13.2	.17	1.4	.5408
%RSD	.3521	.2405	1.818	.4556	.2127	483.1

#1	8828.	331.7	727.1	37.34	659.8	.5590
#2	8855.	332.4	734.6	37.49	658.9	.2660
#3	8890.	333.2	709.0	37.68	661.7	-.4892

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-28-A@4 Acquired: 10/12/2011 23:12:55 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.096	-2.735	34.69	98.17	31.84	.7746
Stddev	2.862	.606	.04	.13	.34	.0233
%RSD	1366.	22.15	.1125	.1318	1.078	3.010
#1	1.136	-2.974	34.69	98.05	32.17	.7588
#2	1.732	-2.046	34.73	98.15	31.48	.8014
#3	-3.497	-3.184	34.66	98.31	31.88	.7637

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	4.391	25.18	653.5
Stddev	.966	.07	1.8
%RSD	21.99	.2799	.2769
#1	3.876	25.12	651.4
#2	5.506	25.16	654.8
#3	3.792	25.25	654.2

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2642.6	36601.	4805.1
Stddev	5.3	161.	9.4
%RSD	.20065	.43854	.19515
#1	2640.7	36428.	4802.1
#2	2648.6	36629.	4797.6
#3	2638.5	36746.	4815.6

Sample Name: 460-31963-A-23-B@25 Acquired: 10/12/2011 23:16:26 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1601.	48.63	1.535	644.0	.0814	807.2
Stddev	8.	1.76	.483	1.8	.0790	7.7
%RSD	.4865	3.629	31.49	.2757	96.97	.9511

#1	1606.	49.29	1.747	643.9	.0193	799.3
#2	1606.	46.64	.9821	645.9	.0548	814.6
#3	1592.	49.98	1.877	642.3	.1703	807.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.888	20.52	58.80	333.1	165400.	106.6
Stddev	.224	.08	.20	3.4	1212.	8.5
%RSD	7.747	.3733	.3435	1.017	.7327	7.954

#1	3.006	20.60	58.63	333.2	166200.	115.1
#2	2.630	20.44	58.74	336.4	165900.	98.17
#3	3.028	20.53	59.02	329.6	164000.	106.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	89.58	637.8	-101.0	75.27	263.4	3.820
Stddev	8.42	2.5	7.1	.14	1.2	1.175
%RSD	9.404	.3862	7.052	.1868	.4683	30.77

#1	91.63	639.8	-105.2	75.20	264.0	4.406
#2	96.78	638.6	-105.0	75.43	264.2	2.467
#3	80.32	635.1	-92.77	75.18	261.9	4.587

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-23-B@25 Acquired: 10/12/2011 23:16:26 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.882	2.250	11.43	4009.	24.72	15.70
Stddev	1.744	1.229	.19	1.	.75	.35
%RSD	17.65	54.61	1.644	.0230	3.024	2.228
#1	-9.662	1.185	11.35	4010.	25.35	16.11
#2	-11.73	3.595	11.64	4008.	23.89	15.49
#3	-8.259	1.971	11.29	4009.	24.92	15.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	43.39	32.23	103.6
Stddev	1.14	.03	1.5
%RSD	2.624	.0922	1.471
#1	44.14	32.24	102.7
#2	42.08	32.20	102.7
#3	43.96	32.26	105.3

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2578.7	35825.	4673.8
Stddev	3.2	41.	20.6
%RSD	.12294	.11402	.44012
#1	2582.0	35846.	4696.4
#2	2575.6	35778.	4656.1
#3	2578.5	35851.	4668.9

Sample Name: 460-32121-A-1-B@10 Acquired: 10/12/2011 23:19:59 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4908.	233.4	-.0073	146.4	-.0351	3218.
Stddev	8.	2.7	.2944	.2	.1008	5.
%RSD	.1575	1.146	4008.	.1599	287.5	.1437

#1	4900.	230.3	.3294	146.4	.0796	3213.
#2	4911.	235.2	-.2159	146.6	-.0750	3218.
#3	4915.	234.7	-.1355	146.1	-.1098	3222.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8488	27.06	3887.	252.6	121300.	1365.
Stddev	.1680	.10	2.	3.1	436.	23.
%RSD	19.80	.3779	.0483	1.225	.3591	1.651

#1	.9559	26.98	3886.	254.6	120900.	1390.
#2	.9353	27.18	3889.	249.1	121100.	1361.
#3	.6551	27.03	3885.	254.3	121700.	1345.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1933.	452.6	372.9	42.03	170.3	22.42
Stddev	8.	1.5	10.7	.19	1.6	.38
%RSD	.4144	.3236	2.857	.4639	.9366	1.684

#1	1924.	451.2	361.5	41.95	168.7	22.41
#2	1939.	452.4	382.6	42.25	171.9	22.06
#3	1935.	454.1	374.6	41.89	170.2	22.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-1-B@10 Acquired: 10/12/2011 23:19:59 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.535	.5717	41.57	169.0	.6833	2.348
Stddev	1.611	1.865	.35	.7	.8231	.173
%RSD	21.37	326.3	.8433	.3959	120.5	7.376
#1	-6.377	2.532	41.96	169.5	1.600	2.278
#2	-6.854	-1.182	41.47	169.3	.4431	2.222
#3	-9.375	.3648	41.29	168.3	.0070	2.546

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	64.20	61.84	351.6
Stddev	1.20	.20	2.1
%RSD	1.874	.3167	.5990
#1	62.81	61.75	351.7
#2	64.79	61.71	353.7
#3	64.99	62.07	349.5

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2548.3	35661.	4668.0
Stddev	3.5	94.	3.6
%RSD	.13716	.26233	.07795
#1	2548.5	35685.	4672.0
#2	2544.7	35740.	4667.3
#3	2551.7	35557.	4664.8

Sample Name: CCV Acquired: 10/12/2011 23:23:33 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	2471.	1243.	10110.	1011.	126000.
Stddev	27.	6.	3.	3.	2.	460.
%RSD	.0211	.2578	.2488	.0336	.1715	.3648

#1	126100.	2467.	1242.	10110.	1011.	125700.
#2	126000.	2468.	1246.	10100.	1009.	125700.
#3	126100.	2479.	1240.	10110.	1013.	126500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1261.	2495.	5064.	12640.	102300.	50140.
Stddev	.	3.	6.	26.	514.	219.
%RSD	.0172	.1015	.1223	.2035	.5030	.4366

#1	1261.	2492.	5065.	12660.	101700.	50080.
#2	1261.	2497.	5070.	12610.	102300.	49960.
#3	1261.	2495.	5058.	12660.	102700.	50380.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122900.	5230.	123600.	2524.	7540.	1004.
Stddev	220.	17.	744.	1.	5.	4.
%RSD	.1789	.3186	.6016	.0203	.0657	.3935

#1	122700.	5211.	123200.	2524.	7541.	1001.
#2	123200.	5237.	123200.	2523.	7534.	1008.
#3	122800.	5242.	124500.	2524.	7543.	1002.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/12/2011 23:23:33 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2443.	2508.	2554.	2487.	996.5	2527.
Stddev	2.	4.	12.	1.	1.8	.
%RSD	.0834	.1722	.4830	.0316	.1785	.0182
#1	2441.	2513.	2541.	2486.	994.4	2528.
#2	2445.	2506.	2556.	2488.	997.7	2528.
#3	2442.	2505.	2565.	2487.	997.4	2527.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	992.1	5112.	9922.
Stddev	2.4	14.	14.
%RSD	.2383	.2732	.1404
#1	992.7	5107.	9935.
#2	994.0	5102.	9924.
#3	989.4	5128.	9907.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2351.4	32217.	4490.6
Stddev	2.3	39.	12.7
%RSD	.09984	.12026	.28283
#1	2348.8	32252.	4478.3
#2	2353.4	32222.	4503.6
#3	2352.0	32175.	4489.7

Sample Name: CCB Acquired: 10/12/2011 23:26:52 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.969	.4270	-.9567	.3556	-.1751	-16.74
Stddev	9.900	3.121	.7535	.0892	.0109	12.22
%RSD	333.5	730.9	78.76	25.09	6.205	73.00

#1	-.1325	3.733	-.3809	.2818	-.1864	-27.78
#2	-5.010	-2.468	-1.809	.4547	-.1742	-3.609
#3	14.05	.0159	-.6797	.3303	-.1647	-18.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0678	-.0895	.2733	-4.500	8.327	1.640
Stddev	.0277	.4076	.1769	1.161	3.526	35.21
%RSD	40.88	455.3	64.74	25.80	42.35	2148.

#1	.0937	.1867	.2934	-4.642	5.708	34.24
#2	.0386	.1024	.4392	-3.274	6.936	6.393
#3	.0710	-.5577	.0871	-5.584	12.34	-35.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.760	.1032	-12.88	.3793	-.3212	.3763
Stddev	6.179	.0392	12.27	.1428	.2881	.3521
%RSD	107.3	37.99	95.28	37.65	89.71	93.57

#1	4.338	.0599	-15.11	.2159	-.6407	.4645
#2	12.53	.1362	.3536	.4801	-.0812	-.0116
#3	.4155	.1134	-23.89	.4421	-.2416	.6758

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/12/2011 23:26:52 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.426	2.231	.0951	-.0978	1.591	.8542
Stddev	.687	1.791	.5160	.2387	.440	.3235
%RSD	15.53	80.26	542.8	243.9	27.66	37.87
#1	3.653	3.469	-.2015	-.3398	2.072	.8961
#2	4.656	.1778	-.2042	-.0912	1.494	1.155
#3	4.969	3.047	.6909	.1374	1.208	.5118

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	1.079	.0494	-.3621
Stddev	.491	.1203	.3486
%RSD	45.52	243.4	96.27
#1	.5570	.1786	-.2659
#2	1.532	.0293	-.7486
#3	1.148	-.0595	-.0717

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2569.1	35394.	4610.6
Stddev	7.8	157.	12.5
%RSD	.30239	.44233	.27190
#1	2577.7	35523.	4625.1
#2	2567.1	35220.	4603.5
#3	2562.5	35440.	4603.2

Sample Name: 460-32121-A-3-B@20 Acquired: 10/12/2011 23:30:37 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3125.	27.55	-.2145	3510.	.3406	3875.
Stddev	33.	1.60	.5027	40.	.0631	54.
%RSD	1.040	5.820	234.3	1.150	18.52	1.405

#1	3097.	27.84	.3591	3471.	.2764	3850.
#2	3118.	28.98	-.4246	3507.	.4025	3838.
#3	3161.	25.82	-.5780	3552.	.3430	3937.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8767	6.739	100.2	26.59	21590.	283.9
Stddev	.1051	.147	1.0	5.23	89.	30.9
%RSD	11.99	2.177	1.014	19.67	.4109	10.88

#1	.8989	6.722	99.61	21.79	21520.	283.2
#2	.7623	6.602	99.65	25.81	21560.	315.1
#3	.9690	6.894	101.4	32.17	21690.	253.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	339.7	60.68	74.20	21.25	141.0	2.342
Stddev	5.2	.61	2.12	.76	.5	2.304
%RSD	1.522	1.001	2.856	3.556	.3390	98.37

#1	337.4	60.40	76.61	21.54	141.2	.1471
#2	336.2	60.27	73.33	20.39	140.4	2.138
#3	345.7	61.38	72.65	21.82	141.3	4.742

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-3-B@20 Acquired: 10/12/2011 23:30:37 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.178	1.841	13.76	424.6	2.913	5.855
Stddev	1.233	.277	.57	4.8	.561	.236
%RSD	19.95	15.06	4.121	1.134	19.26	4.025
#1	7.598	2.161	13.52	420.0	3.544	5.637
#2	5.393	1.662	13.36	424.2	2.723	6.105
#3	5.542	1.702	14.41	429.6	2.472	5.825

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	5.526	94.88	118.4
Stddev	.745	.78	2.8
%RSD	13.47	.8210	2.343
#1	6.280	94.37	116.8
#2	5.505	94.49	116.8
#3	4.792	95.78	121.6

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2606.4	35798.	4668.5
Stddev	3.3	89.	16.7
%RSD	.12486	.24978	.35741
#1	2605.4	35716.	4675.4
#2	2603.8	35894.	4680.6
#3	2610.0	35784.	4649.4

Sample Name: 460-32121-A-10-B@10 Acquired: 10/12/2011 23:34:12 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15130.	86.27	.4339	446.2	1.217	14700.
Stddev	68.	1.72	.6139	3.4	.052	80.
%RSD	.4493	1.991	141.5	.7603	4.302	.5427

#1	15070.	84.30	.1675	442.5	1.264	14610.
#2	15120.	87.47	-.0019	446.8	1.226	14740.
#3	15200.	87.04	1.136	449.2	1.161	14750.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.027	22.16	95.01	716.3	123300.	576.3
Stddev	.108	.48	1.35	7.3	1383.	23.9
%RSD	1.789	2.172	1.416	1.014	1.121	4.155

#1	6.113	22.25	93.68	710.0	121900.	592.8
#2	6.062	21.64	94.96	724.3	123500.	548.9
#3	5.906	22.59	96.37	714.6	124600.	587.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6667.	417.1	2297.	81.31	6869.	113.1
Stddev	60.	4.2	24.	.74	55.	.8
%RSD	.8975	1.019	1.052	.9049	.8026	.6744

#1	6608.	412.7	2271.	80.70	6808.	113.0
#2	6664.	417.6	2301.	81.12	6885.	114.0
#3	6728.	421.1	2318.	82.13	6915.	112.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-10-B@10 Acquired: 10/12/2011 23:34:12 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.540	-3.942	74.70	1382.	24.49	7.383
Stddev	1.188	1.574	1.20	10.	.36	.260
%RSD	21.44	39.93	1.608	.7575	1.474	3.519
#1	-6.720	-3.558	73.33	1370.	24.30	7.590
#2	-5.556	-5.673	75.21	1385.	24.90	7.091
#3	-4.345	-2.596	75.56	1390.	24.26	7.467

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	F 8818.	102.2	1131.
Stddev	71.	.3	4.
%RSD	.8106	.3283	.3102
#1	8741.	101.9	1127.
#2	8833.	102.5	1133.
#3	8882.	102.4	1133.

Check ?	Chk Fail	Chk Pass	Chk Pass
High Limit	2000.		
Low Limit	-50.00		

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2608.8	35668.	4733.5
Stddev	7.3	147.	19.2
%RSD	.28155	.41299	.40517
#1	2611.1	35838.	4732.6
#2	2600.6	35582.	4714.8
#3	2614.7	35583.	4753.1

Sample Name: 460-32121-A-11-B@10 Acquired: 10/12/2011 23:37:40 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2414.	17.10	5.650	81.86	-.0155	3802.
Stddev	10.	1.71	.922	.41	.0912	7.
%RSD	.4108	10.02	16.31	.5051	589.7	.1833

#1	2407.	18.34	6.297	82.14	.0847	3800.
#2	2425.	15.15	4.595	82.04	-.0373	3810.
#3	2410.	17.82	6.059	81.38	-.0938	3797.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8894	3.003	13.95	5976.	19060.	158.7
Stddev	.0808	.075	.39	14.	106.	7.7
%RSD	9.090	2.512	2.795	.2336	.5582	4.842

#1	.8349	2.935	14.06	5982.	19180.	167.2
#2	.8509	3.084	14.27	5985.	19030.	156.4
#3	.9822	2.989	13.51	5960.	18980.	152.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	502.4	181.2	382.1	57.53	10380.	8.271
Stddev	2.2	.4	18.2	.46	22.	.612
%RSD	.4332	.2059	4.755	.7917	.2126	7.395

#1	504.3	181.7	401.4	57.80	10400.	7.849
#2	502.9	181.0	379.7	57.79	10380.	8.972
#3	500.1	181.1	365.3	57.00	10360.	7.991

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-11-B@10 Acquired: 10/12/2011 23:37:40 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.798	-.9650	13.65	2268.	.9833	1.156
Stddev	4.269	.4346	.18	5.	.3842	.149
%RSD	237.4	45.03	1.327	.2220	39.08	12.86
#1	-1.909	-.7497	13.60	2273.	1.412	1.047
#2	.8375	-.6802	13.85	2268.	.8680	1.325
#3	6.466	-1.465	13.50	2263.	.6699	1.095

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	466.6	20.11	285.9
Stddev	2.0	.08	1.6
%RSD	.4229	.3878	.5737
#1	468.8	20.18	285.6
#2	465.1	20.11	287.7
#3	465.8	20.02	284.5

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2607.0	35978.	4697.2
Stddev	5.9	92.	10.8
%RSD	.22529	.25445	.23096
#1	2611.3	35899.	4706.5
#2	2609.5	36079.	4685.3
#3	2600.3	35956.	4699.8

Sample Name: 460-32121-A-19-A@10 Acquired: 10/12/2011 23:41:12 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4665.	1.310	-3801	174.2	.2686	3094.
Stddev	35.	2.532	.5663	.8	.0574	5.
%RSD	.7529	193.2	149.0	.4578	21.38	.1595

#1	4625.	2.204	-.0321	173.4	.2564	3094.
#2	4689.	3.274	-.0746	174.2	.3312	3099.
#3	4682.	-1.547	-1.034	175.0	.2183	3089.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.713	.8984	85.30	2.167	1667.	392.4
Stddev	.043	.2327	.23	3.299	5.	33.2
%RSD	1.588	25.90	.2730	152.3	.3127	8.455

#1	2.717	1.113	85.04	5.747	1669.	421.8
#2	2.668	.9305	85.35	1.504	1671.	356.4
#3	2.753	.6513	85.50	-.7512	1661.	399.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	276.3	9.212	3245.	3.221	22.45	-1.147
Stddev	1.9	.079	12.	.367	.56	2.330
%RSD	.6919	.8604	.3827	11.38	2.494	203.2

#1	274.5	9.246	3258.	2.850	22.94	-3.797
#2	278.3	9.269	3242.	3.229	22.58	.5797
#3	276.1	9.122	3234.	3.583	21.84	-.2232

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-19-A@10 Acquired: 10/12/2011 23:41:12 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.948	.8625	4.813	4614.	4.085	-.7469
Stddev	2.039	.4316	.350	18.	.327	.2237
%RSD	69.15	50.03	7.274	.3942	8.000	29.95
#1	1.786	1.360	4.877	4594.	4.419	-.7007
#2	1.756	.5905	4.435	4619.	3.766	-.9901
#3	5.302	.6369	5.126	4630.	4.071	-.5498

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	17.50	15.49	44.36
Stddev	.98	.07	1.11
%RSD	5.623	.4476	2.510
#1	17.24	15.56	43.38
#2	18.58	15.49	44.14
#3	16.67	15.42	45.57

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2622.6	36238.	4725.3
Stddev	1.8	108.	23.8
%RSD	.06824	.29723	.50347
#1	2624.6	36187.	4710.2
#2	2621.3	36165.	4713.0
#3	2621.8	36361.	4752.7

Sample Name: 460-32121-A-21-A@20 Acquired: 10/12/2011 23:44:49 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19390.	F -20.96	.0252	F 23550.	.2209	134600.
Stddev	51.	2.69	.3849	23.	.1403	561.
%RSD	.2607	12.84	1526.	.0995	63.51	.4165

#1	19380.	-24.00	-.3441	23580.	.3799	134100.
#2	19350.	-20.04	.4240	23540.	.1683	134500.
#3	19450.	-18.86	-.0042	23540.	.1145	135200.

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		9000.		20000.		
Low Limit		-10.00		-1000.		

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.072	121.7	F 25630.	35.52	40110.	221.9
Stddev	.099	.7	189.	3.50	349.	29.3
%RSD	2.418	.5563	.7361	9.847	.8691	13.21

#1	4.182	122.4	25630.	31.71	39830.	190.9
#2	3.993	121.4	25450.	36.26	40010.	249.1
#3	4.041	121.2	25830.	38.58	40500.	225.7

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10000.			
Low Limit			-20.00			

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16250.	595.2	316.0	337.9	234.1	13.76
Stddev	27.	2.7	5.2	1.1	.4	5.24
%RSD	.1639	.4474	1.645	.3154	.1826	38.09

#1	16220.	592.5	319.8	338.7	234.1	12.25
#2	16270.	595.2	318.1	338.2	233.6	19.59
#3	16250.	597.9	310.1	336.7	234.5	9.440

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-21-A@20 Acquired: 10/12/2011 23:44:49 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6838	5.583	102.1	1737.	-8.607	1.987
Stddev	1.171	.569	1.1	2.	.103	.295
%RSD	171.2	10.20	1.094	.1169	1.195	14.86
#1	-2.027	6.200	101.9	1739.	-8.726	2.252
#2	.1199	5.079	101.1	1736.	-8.551	2.041
#3	-.1441	5.470	103.3	1735.	-8.544	1.669

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	9.664	463.8	530.8
Stddev	.560	1.9	1.5
%RSD	5.790	.4145	.2797
#1	9.033	462.0	529.5
#2	9.857	463.8	532.4
#3	10.10	465.8	530.6

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2368.4	34288.	4646.6
Stddev	6.9	139.	17.0
%RSD	.29064	.40610	.36504
#1	2364.4	34327.	4658.8
#2	2364.3	34404.	4653.7
#3	2376.3	34134.	4627.2

Sample Name: 460-32121-A-21-A@100 Acquired: 10/12/2011 23:48:26 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3908.	-1.228	-.4415	4626.	-.1146	27260.
Stddev	1.	.880	.2312	9.	.0959	18.
%RSD	.0306	71.64	52.38	.1880	83.74	.0645
#1	3907.	-.3295	-.6808	4617.	-.1056	27280.
#2	3909.	-1.267	-.4244	4633.	-.2146	27250.
#3	3908.	-2.088	-.2193	4629.	-.0234	27270.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8149	23.68	5202.	5.439	8219.	11.48
Stddev	.1280	.15	13.	1.628	62.	42.40
%RSD	15.71	.6361	.2476	29.94	.7514	369.4
#1	.9587	23.54	5188.	4.341	8219.	.0802
#2	.7132	23.66	5214.	4.666	8281.	-24.06
#3	.7729	23.84	5203.	7.310	8157.	58.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3339.	121.4	60.54	66.19	45.76	-1.596
Stddev	8.	.6	14.18	.53	.98	.976
%RSD	.2519	.5234	23.43	.7949	2.144	61.12
#1	3333.	121.1	76.85	66.38	44.77	-.9751
#2	3348.	122.1	53.56	66.60	46.74	-2.721
#3	3335.	120.9	51.19	65.60	45.76	-1.093

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-21-A@100 Acquired: 10/12/2011 23:48:26 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.159	2.074	21.61	336.3	-1.147	.3118
Stddev	4.512	1.370	.10	.2	1.611	.3810
%RSD	108.5	66.05	.4448	.0609	140.4	122.2
#1	-0.6410	3.168	21.68	336.1	-1.306	.5820
#2	4.806	.5374	21.50	336.5	-2.674	.4774
#3	8.312	2.517	21.65	336.3	.5372	-.1239

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	2.149	93.75	105.2
Stddev	.895	.09	1.3
%RSD	41.66	.0916	1.234
#1	3.117	93.79	104.5
#2	1.350	93.81	106.6
#3	1.980	93.65	104.3

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2563.4	35402.	4674.6
Stddev	3.9	218.	18.7
%RSD	.15236	.61485	.40062
#1	2567.9	35534.	4653.6
#2	2561.2	35151.	4680.8
#3	2561.1	35522.	4689.5

Sample Name: 460-31963-A-10-B@10 Acquired: 10/12/2011 23:52:01 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10480.	14.93	.3887	345.2	.2412	4650.
Stddev	46.	.33	.2142	1.2	.0717	10.
%RSD	.4408	2.192	55.09	.3582	29.71	.2175

#1	10430.	14.60	.6213	344.3	.3193	4648.
#2	10520.	15.26	.1996	344.7	.2257	4642.
#3	10480.	14.94	.3453	346.6	.1786	4661.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.018	6.474	33.83	26.83	20270.	654.1
Stddev	.042	.144	.17	3.02	51.	21.1
%RSD	4.139	2.227	.4896	11.26	.2493	3.222

#1	.9706	6.442	33.64	25.53	20290.	672.3
#2	1.050	6.349	33.92	30.29	20210.	631.0
#3	1.035	6.632	33.93	24.68	20290.	658.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1844.	174.0	433.7	39.49	10810.	940.2
Stddev	10.	.3	23.8	.30	23.	3.9
%RSD	.5327	.1862	5.488	.7544	.2096	.4115

#1	1833.	173.9	417.3	39.45	10780.	935.7
#2	1847.	173.7	422.8	39.22	10800.	941.9
#3	1852.	174.3	461.0	39.81	10830.	942.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31963-A-10-B@10 Acquired: 10/12/2011 23:52:01 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.087	.6550	13.90	597.8	6.965	.2253
Stddev	2.188	1.806	.61	1.7	.258	.1665
%RSD	53.53	275.7	4.353	.2907	3.702	73.89
#1	6.559	2.538	14.59	595.8	7.132	.0614
#2	2.401	-1.061	13.47	598.3	7.095	.3943
#3	3.301	.4883	13.64	599.2	6.668	.2203

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	354.8	28.96	97.60
Stddev	.5	.06	.20
%RSD	.1350	.2091	.2047
#1	354.6	28.89	97.51
#2	355.4	28.99	97.83
#3	354.5	29.00	97.47

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2615.1	36124.	4725.7
Stddev	4.0	66.	13.2
%RSD	.15190	.18324	.27892
#1	2619.0	36142.	4739.1
#2	2615.2	36180.	4712.8
#3	2611.1	36051.	4725.3

Sample Name: 460-32121-A-24-B@10 Acquired: 10/12/2011 23:55:34 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15370.	194.6	2.238	17830.	1.261	146400.
Stddev	59.	2.4	.293	19.	.042	303.
%RSD	.3820	1.209	13.11	.1038	3.359	.2072

#1	15320.	197.2	2.530	17820.	1.307	146300.
#2	15430.	192.7	2.240	17820.	1.255	146200.
#3	15360.	193.8	1.943	17850.	1.223	146700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61.28	61.68	5561.	212.5	43880.	388.4
Stddev	.07	.08	1.	.6	85.	24.2
%RSD	.1138	.1350	.0191	.2679	.1943	6.232

#1	61.20	61.63	5561.	211.9	43940.	367.7
#2	61.30	61.65	5560.	212.4	43780.	415.0
#3	61.33	61.78	5562.	213.0	43910.	382.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7596.	311.9	282.6	180.6	3082.	17.35
Stddev	13.	.8	15.0	.5	3.	.53
%RSD	.1699	.2437	5.300	.2626	.1026	3.074

#1	7590.	312.5	299.5	180.1	3085.	17.96
#2	7588.	311.1	277.3	180.8	3081.	17.05
#3	7611.	312.0	271.0	180.9	3079.	17.03

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-24-B@10 Acquired: 10/12/2011 23:55:34 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.409	5.789	77.53	F 12840.	3.217	-.3952
Stddev	2.030	.395	.50	8.	.803	.3998
%RSD	46.05	6.830	.6385	.0611	24.97	101.2
#1	5.375	5.333	78.02	12840.	3.534	.0623
#2	2.076	5.994	77.03	12830.	2.303	-.6774
#3	5.775	6.040	77.56	12850.	3.813	-.5704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	125.1	373.9	604.1
Stddev	.6	1.3	.2
%RSD	.4482	.3344	.0406
#1	124.5	373.4	603.9
#2	125.3	373.0	603.9
#3	125.6	375.4	604.4
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2503.0	34815.	4674.3
Stddev	.8	55.	13.0
%RSD	.03070	.15660	.27914
#1	2502.5	34792.	4682.7
#2	2503.9	34776.	4680.9
#3	2502.6	34877.	4659.2

Sample Name: 460-32121-A-24-B@50 Acquired: 10/12/2011 23:59:04 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3203.	41.38	.2226	3776.	.2749	30810.
Stddev	24.	.50	.8292	21.	.0361	266.
%RSD	.7495	1.210	372.6	.5616	13.15	.8637

#1	3205.	41.63	-.5183	3751.	.3010	30510.
#2	3178.	41.69	1.118	3787.	.2900	30900.
#3	3226.	40.80	.0677	3789.	.2336	31020.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.81	12.94	1161.	34.51	9384.	73.56
Stddev	.08	.09	8.	.51	44.	58.09
%RSD	.5892	.7014	.6785	1.467	.4728	78.97

#1	12.76	12.93	1153.	35.02	9333.	51.65
#2	12.90	12.86	1162.	34.00	9399.	139.4
#3	12.77	13.04	1169.	34.52	9418.	29.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1636.	66.23	40.78	38.54	658.1	1.670
Stddev	13.	.26	5.64	.39	2.5	.988
%RSD	.7717	.3860	13.83	1.013	.3743	59.13

#1	1622.	66.01	34.32	38.18	655.3	1.574
#2	1640.	66.17	43.28	38.95	659.7	2.702
#3	1646.	66.51	44.74	38.50	659.5	.7342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-24-B@50 Acquired: 10/12/2011 23:59:04 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.144	2.747	15.98	2703.	.3156	-.0957
Stddev	2.249	2.132	.25	15.	.4311	.0450
%RSD	71.55	77.62	1.552	.5726	136.6	47.03
#1	5.218	4.415	16.23	2685.	.7412	-.0437
#2	.7531	.3449	15.98	2712.	-.1209	-.1206
#3	3.460	3.480	15.74	2711.	.3264	-.1227

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	26.42	78.47	124.7
Stddev	1.10	.44	.8
%RSD	4.144	.5661	.6229
#1	27.30	77.97	124.2
#2	26.76	78.61	124.4
#3	25.19	78.82	125.6

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2589.8	35535.	4676.7
Stddev	10.3	120.	23.1
%RSD	.39918	.33657	.49345
#1	2591.2	35602.	4703.0
#2	2578.8	35606.	4659.6
#3	2599.3	35397.	4667.6

Sample Name: 460-32121-A-3-B@20 Acquired: 10/13/2011 0:02:36 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11780.	23.97	21.69	4309.	1.192	65880.
Stddev	203.	1.87	.71	84.	.139	914.
%RSD	1.723	7.805	3.260	1.960	11.70	1.387

#1	11600.	23.01	20.93	4229.	1.173	65060.
#2	11760.	22.79	21.80	4301.	1.063	65710.
#3	12000.	26.13	22.33	4397.	1.340	66870.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.850	7.093	274.3	150.0	24380.	1549.
Stddev	.106	.113	3.6	5.1	443.	49.
%RSD	3.730	1.597	1.304	3.410	1.817	3.148

#1	2.936	7.090	271.2	148.2	24040.	1504.
#2	2.884	7.208	273.6	146.1	24220.	1542.
#3	2.731	6.981	278.2	155.8	24880.	1601.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12350.	499.6	649.9	72.30	861.8	8.473
Stddev	165.	8.0	12.1	1.22	17.3	1.658
%RSD	1.338	1.592	1.858	1.685	2.009	19.57

#1	12200.	492.5	653.0	71.00	845.0	6.583
#2	12320.	498.0	636.6	72.48	860.7	9.683
#3	12530.	508.2	660.1	73.41	879.6	9.154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-32121-A-3-B@20 Acquired: 10/13/2011 0:02:36 Type: Unk
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.046	.6962	31.45	3522.	15.10	.4149
Stddev	1.935	1.562	.86	67.	1.02	.2594
%RSD	94.55	224.3	2.746	1.903	6.788	62.54
#1	3.736	.3836	31.08	3458.	14.09	.1528
#2	2.468	2.390	30.83	3515.	15.06	.6716
#3	-.0645	-.6853	32.44	3592.	16.14	.4201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	42.30	370.1	611.1
Stddev	.70	5.7	8.9
%RSD	1.667	1.543	1.457
#1	41.49	365.0	603.3
#2	42.62	369.1	609.1
#3	42.79	376.3	620.8

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2659.4	36257.	4833.8
Stddev	8.3	140.	24.6
%RSD	.31027	.38713	.50922
#1	2666.7	36403.	4860.3
#2	2661.1	36246.	4811.6
#3	2650.5	36123.	4829.4

Sample Name: CCV Acquired: 10/13/2011 0:06:11 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	2472.	1241.	10110.	1011.	125800.
Stddev	448.	7.	1.	15.	4.	466.
%RSD	.3555	.2896	.0594	.1459	.3537	.3702

#1	125600.	2474.	1240.	10110.	1007.	125300.
#2	126200.	2478.	1242.	10120.	1013.	126100.
#3	126500.	2464.	1241.	10090.	1013.	126100.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1259.	2492.	5049.	12670.	102100.	50070.
Stddev	2.	4.	4.	31.	336.	262.
%RSD	.1718	.1640	.0754	.2461	.3292	.5223

#1	1258.	2493.	5045.	12630.	102400.	49770.
#2	1261.	2496.	5053.	12680.	101800.	50250.
#3	1257.	2488.	5049.	12690.	102100.	50190.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121800.	5234.	123300.	2517.	7526.	1006.
Stddev	128.	6.	493.	3.	12.	2.
%RSD	.1049	.1074	.4001	.1348	.1591	.2179

#1	121800.	5239.	122800.	2517.	7522.	1007.
#2	121900.	5228.	123800.	2521.	7539.	1007.
#3	121700.	5234.	123200.	2514.	7517.	1003.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/13/2011 0:06:11 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2432.	2490.	2552.	2479.	995.2	2530.
Stddev	2.	3.	10.	3.	1.7	3.
%RSD	.0711	.1353	.3886	.1356	.1681	.1231
#1	2431.	2493.	2559.	2477.	996.9	2530.
#2	2434.	2491.	2541.	2483.	993.5	2533.
#3	2431.	2486.	2556.	2477.	995.2	2527.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	991.0	5105.	9896.
Stddev	1.5	14.	23.
%RSD	.1488	.2739	.2348
#1	991.8	5090.	9871.
#2	991.9	5118.	9901.
#3	989.3	5106.	9917.

Check ?	Chk Pass	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2347.9	32251.	4506.5
Stddev	6.4	23.	9.5
%RSD	.27071	.07177	.21006
#1	2343.3	32255.	4511.5
#2	2345.2	32226.	4512.4
#3	2355.1	32272.	4495.6

Sample Name: CCB Acquired: 10/13/2011 0:09:30 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.104	1.172	.1707	.6152	-.0877	-4.476
Stddev	7.486	2.195	.8239	.1851	.0930	11.61
%RSD	92.36	187.3	482.7	30.09	106.1	259.4

#1	5.197	-1.152	.4103	.7181	-.0173	8.927
#2	2.509	3.212	.8482	.7260	-.1932	-11.41
#3	16.61	1.457	-.7464	.4015	-.0526	-10.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0724	.0778	.2663	-3.033	11.07	-70.70
Stddev	.1092	.2261	.0500	1.903	6.21	38.72
%RSD	150.8	290.7	18.79	62.74	56.11	54.77

#1	.1912	.3119	.2218	-1.426	8.844	-48.16
#2	.0495	.0607	.2565	-2.539	6.274	-48.53
#3	-.0235	-.1393	.3204	-5.134	18.08	-115.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.810	.2452	5.060	.5037	-.1819	1.332
Stddev	2.212	.0244	9.860	.1690	1.730	.580
%RSD	46.00	9.960	194.9	33.56	951.1	43.56

#1	2.375	.2658	3.177	.4598	.9762	.7394
#2	6.697	.2182	-3.724	.6904	.6490	1.899
#3	5.357	.2517	15.73	.3609	-2.171	1.358

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/13/2011 0:09:30 Type: QC
Method: SW84610112011(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

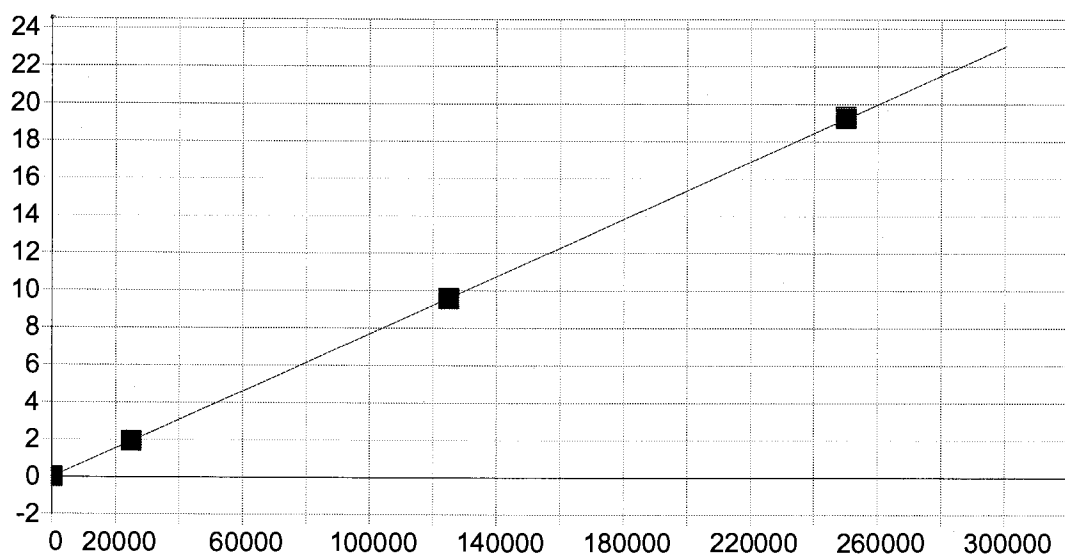
Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.390	1.589	.5296	.1726	1.161	1.054
Stddev	1.188	.995	.4243	.1891	.990	.292
%RSD	85.44	62.63	80.12	109.5	85.25	27.68
#1	1.342	.6673	.7347	.3868	2.303	1.385
#2	2.602	1.455	.0417	.1026	.6295	.8321
#3	.2272	2.644	.8125	.0285	.5504	.9463

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb
Avg	.8227	.1463	.5023
Stddev	.6611	.0665	.3214
%RSD	80.35	45.43	63.98
#1	.8540	.0973	.7343
#2	.1466	.2219	.1355
#3	1.468	.1196	.6370

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2584.5	35324.	4592.1
Stddev	5.1	189.	32.5
%RSD	.19926	.53449	.70677
#1	2578.5	35536.	4555.0
#2	2587.7	35262.	4606.3
#3	2587.2	35174.	4615.1

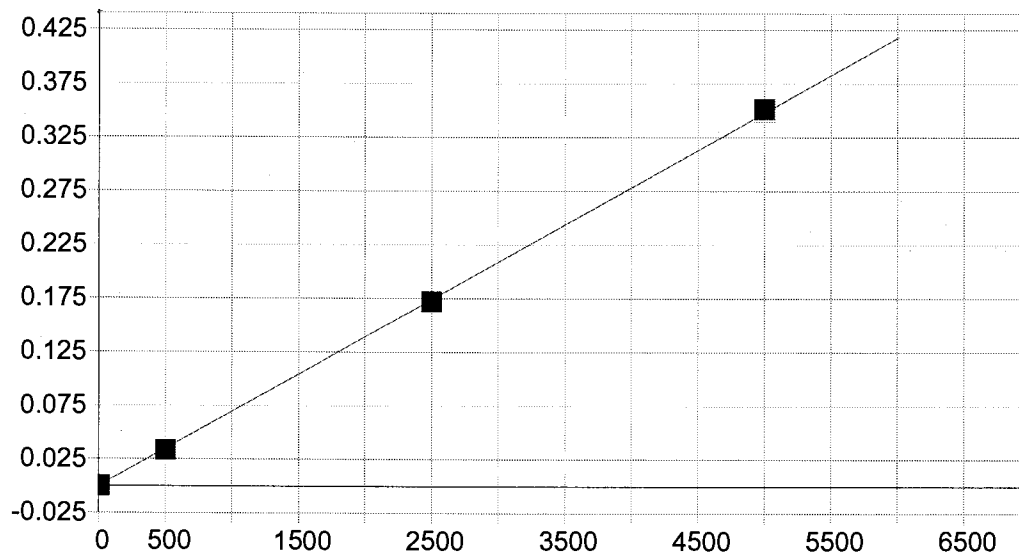


Al 396.152 { 85}

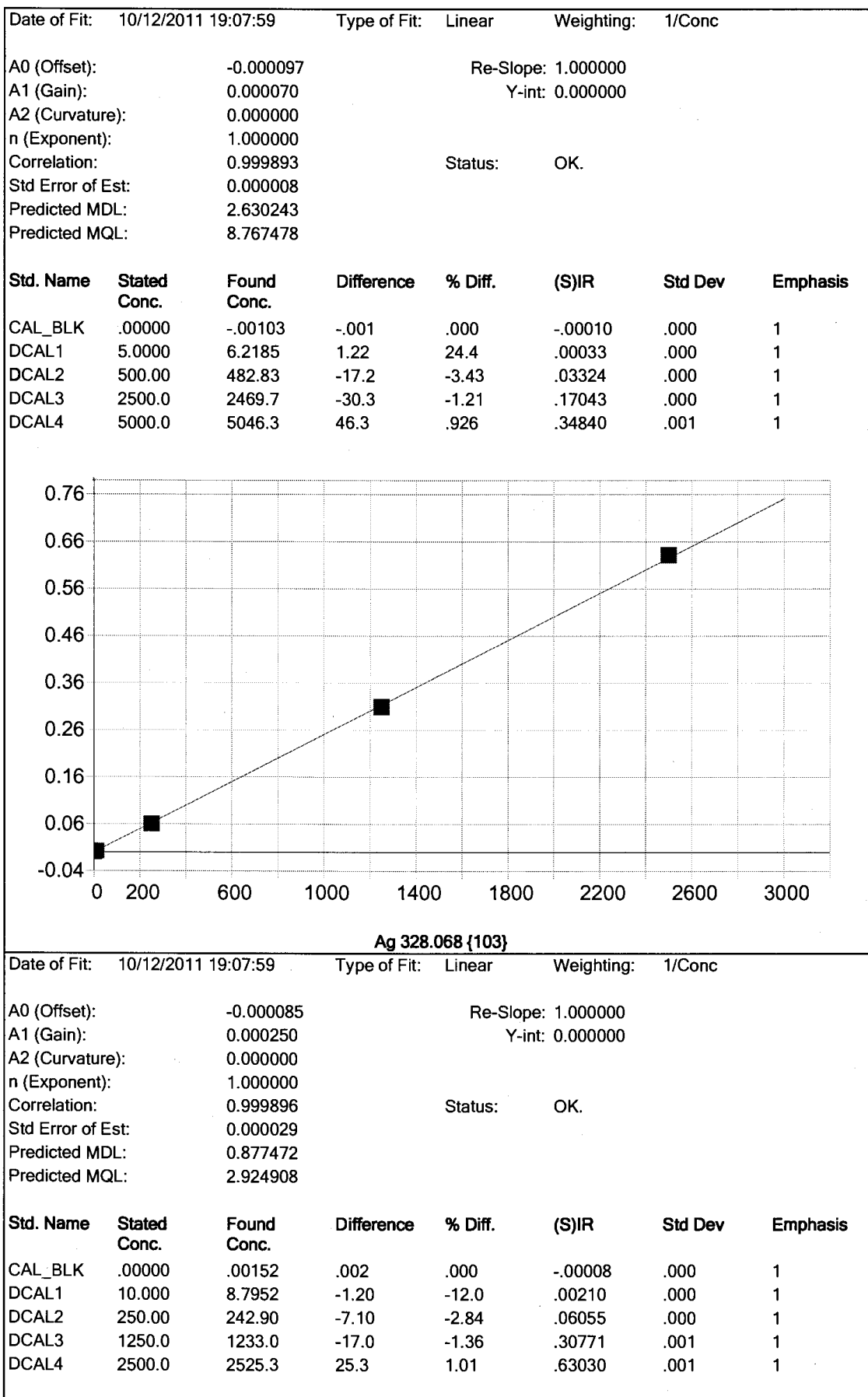
Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

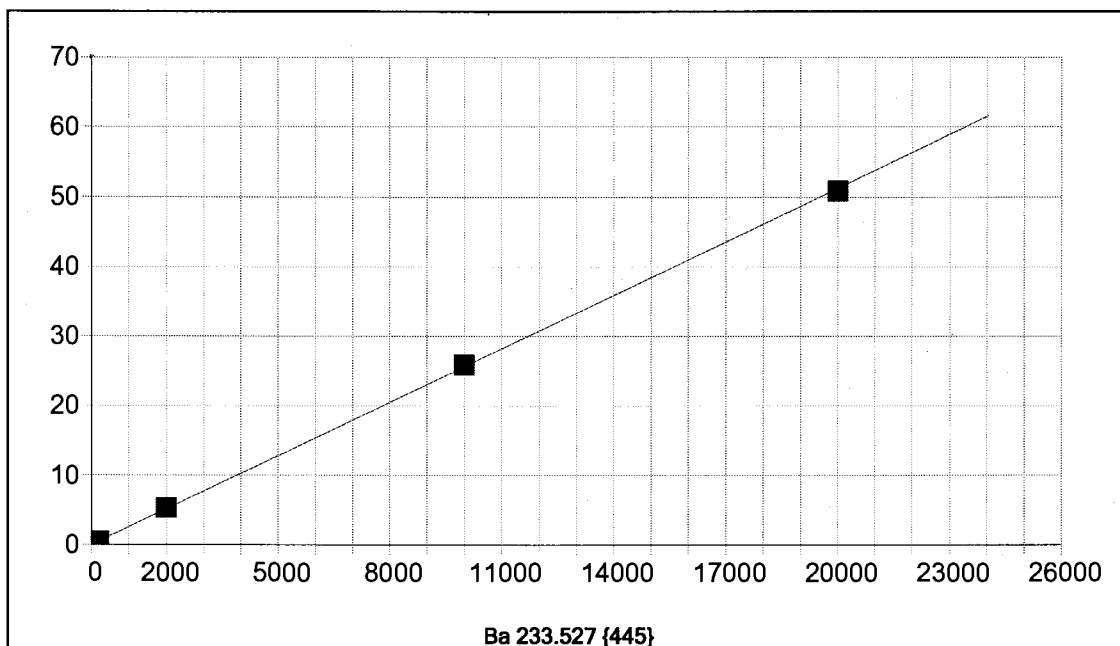
A0 (Offset): -0.000678 Re-Slope: 1.000000
 A1 (Gain): 0.000077 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999996 Status: OK.
 Std Error of Est: 0.000080
 Predicted MDL: 15.192200
 Predicted MQL: 50.640667

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00293	.003	.000	-.00068	.001	1
DCAL1	200.00	197.09	-2.91	-1.46	.01452	.000	1
DCAL2	25000.	25056.	55.8	.223	1.9253	.004	1
DCAL3	125000.	124480.	-524.	-.419	9.5676	.030	1
DCAL4	250000.	250470.	471.	.188	19.252	.062	1



As 189.042 { 478}

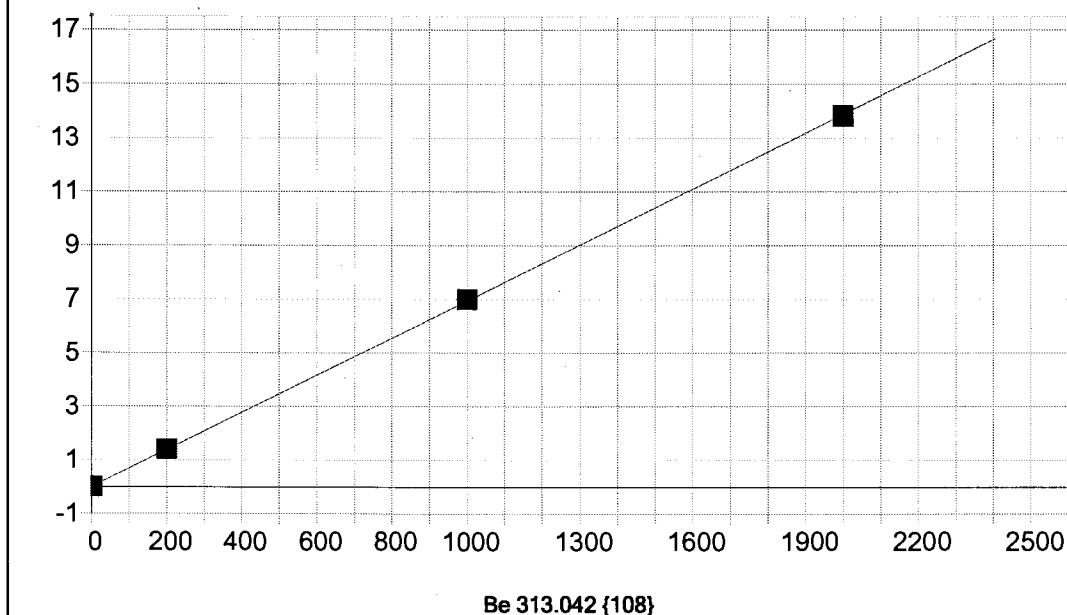




Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000161 Re-Slope: 1.000000
 A1 (Gain): 0.002562 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999933 Status: OK.
 Std Error of Est: 0.003069
 Predicted MDL: 0.144650
 Predicted MQL: 0.482167

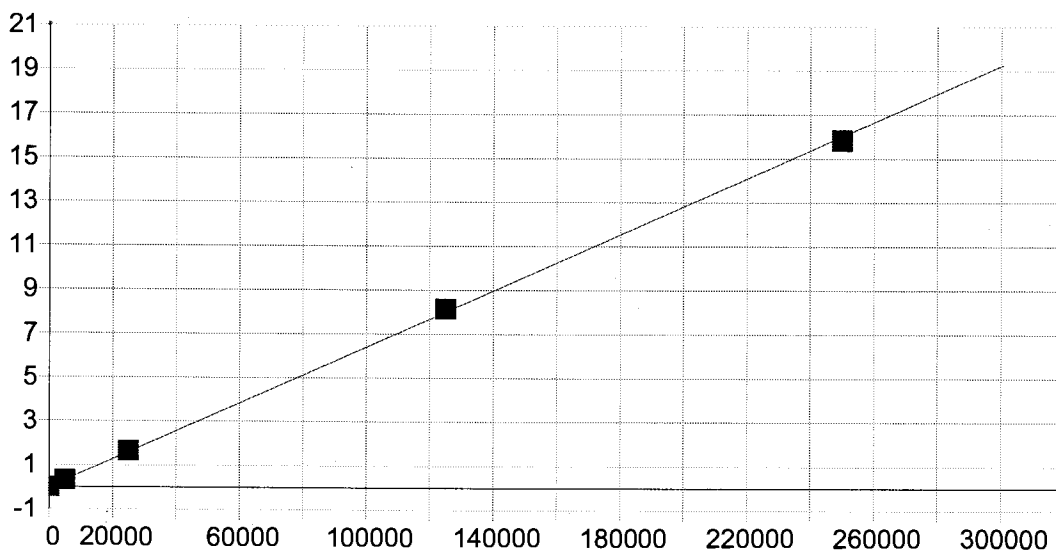
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01313	-.013	.000	.00013	.000	1
DCAL1	200.00	206.65	6.65	3.32	.52948	.001	1
DCAL2	2000.0	2062.7	62.7	3.14	5.2818	.004	1
DCAL3	10000.	10091.	91.2	.912	25.839	.058	1
DCAL4	20000.	19839.	-161.	-.803	50.798	.042	1



Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000085 Re-Slope: 1.000000
 A1 (Gain): 0.006935 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999972 Status: OK.
 Std Error of Est: 0.000169
 Predicted MDL: 0.121162
 Predicted MQL: 0.403874

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00008	.000	.000	.00009	.000	1
DCAL1	2.0000	1.8786	-.121	-6.07	.01312	.000	1
DCAL2	200.00	203.42	3.42	1.71	1.4111	.002	1
DCAL3	1000.0	1007.4	7.40	.740	6.9881	.015	1
DCAL4	2000.0	1989.3	-10.7	-.535	13.799	.037	1

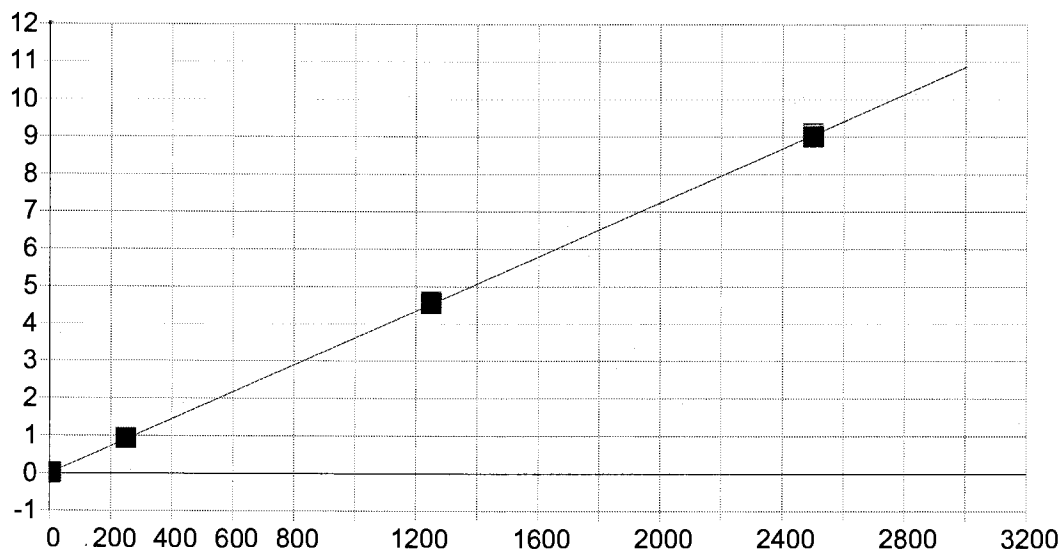


Ca 422.673 { 80}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.007263 Re-Slope: 1.000000
 A1 (Gain): 0.000064 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999865 Status: OK.
 Std Error of Est: 0.001934
 Predicted MDL: 16.330771
 Predicted MQL: 54.435903

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.34600	-.346	.000	-.00729	.001	1
DCAL1	5000.0	5151.7	152.	3.03	.32287	.001	1
DCAL2	25000.	25861.	861.	3.44	1.6500	.003	1
DCAL3	125000.	127120.	2120.	1.70	8.1389	.016	1
DCAL4	250000.	246870.	-3130.	-1.25	15.813	.047	1

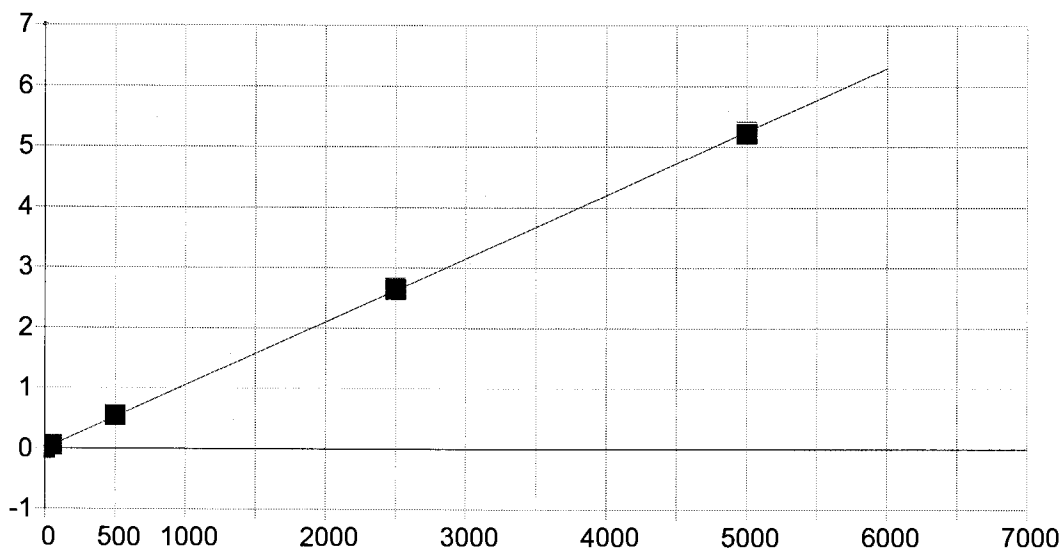


Cd 226.502 {449}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000495 Re-Slope: 1.000000
 A1 (Gain): 0.003621 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999960 Status: OK.
 Std Error of Est: 0.000169
 Predicted MDL: 0.119942
 Predicted MQL: 0.399807

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00034	.000	.000	-.00050	.000	1
DCAL1	4.0000	4.2212	.221	5.53	.01485	.000	1
DCAL2	250.00	257.83	7.83	3.13	.94138	.000	1
DCAL3	1250.0	1254.0	3.97	.317	4.5815	.011	1
DCAL4	2500.0	2488.0	-12.0	-.481	9.0913	.008	1

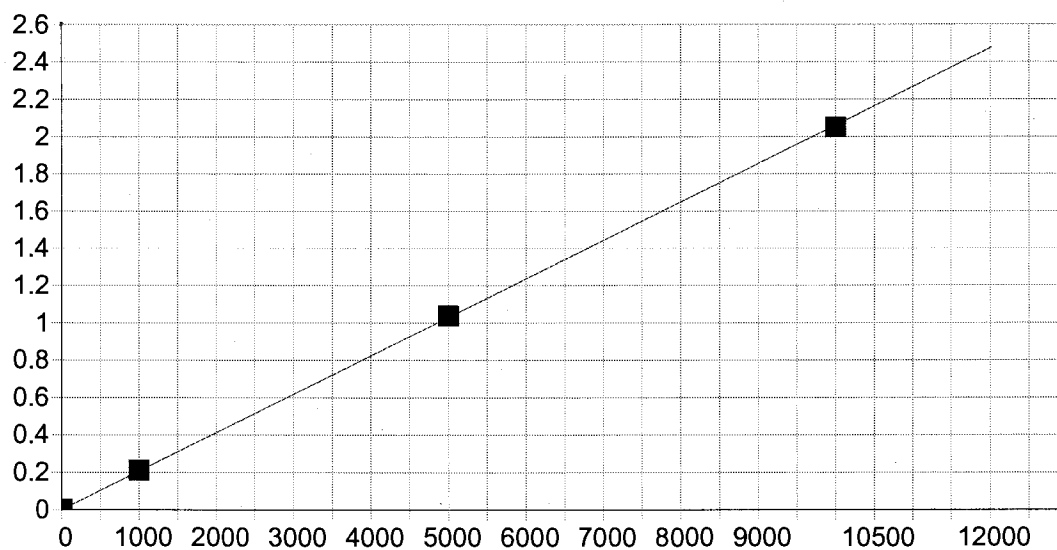


Co 228.616 {447}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000488 Re-Slope: 1.000000
 A1 (Gain): 0.001050 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999923 Status: OK.
 Std Error of Est: 0.000339
 Predicted MDL: 0.348828
 Predicted MQL: 1.162760

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00444	-.004	.000	-.00049	.000	1
DCAL1	50.000	52.514	2.51	5.03	.05463	.000	1
DCAL2	500.00	520.27	20.3	4.05	.54998	.001	1
DCAL3	2500.0	2512.3	12.3	.491	2.6584	.005	1
DCAL4	5000.0	4965.0	-35.0	-.701	5.2547	.004	1

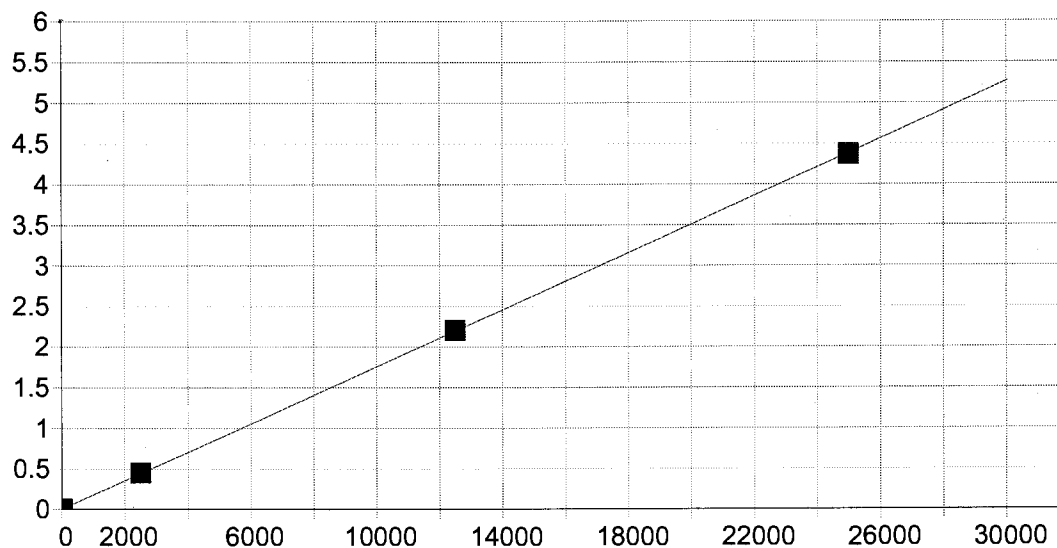


Cr 267.716 {126}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000081 Re-Slope: 1.000000
 A1 (Gain): 0.000206 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999968 Status: OK.
 Std Error of Est: 0.000027
 Predicted MDL: 0.544587
 Predicted MQL: 1.815290

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00076	-.001	.000	.00008	.000	1
DCAL1	10.000	10.539	.539	5.39	.00225	.000	1
DCAL2	1000.0	1020.7	20.7	2.07	.21048	.000	1
DCAL3	5000.0	5035.3	35.3	.705	1.0380	.002	1
DCAL4	10000.	9943.5	-56.5	-.565	2.0497	.002	1

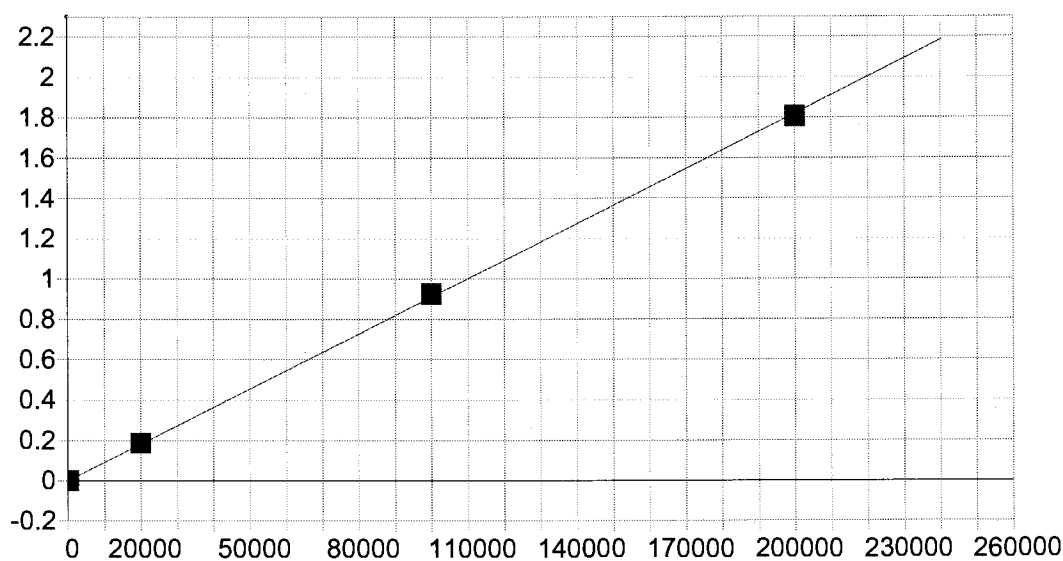


Cu 324.754 {104}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001912 Re-Slope: 1.000000
 A1 (Gain): 0.000175 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999967 Status: OK.
 Std Error of Est: 0.000058
 Predicted MDL: 3.985790
 Predicted MQL: 13.285966

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00499	.005	.000	.00191	.000	1
DCAL1	25.000	19.518	-5.48	-21.9	.00533	.000	1
DCAL2	2500.0	2549.4	49.4	1.97	.44857	.001	1
DCAL3	12500.	12545.	44.9	.359	2.1998	.004	1
DCAL4	25000.	24911.	-88.7	-.355	4.3664	.012	1

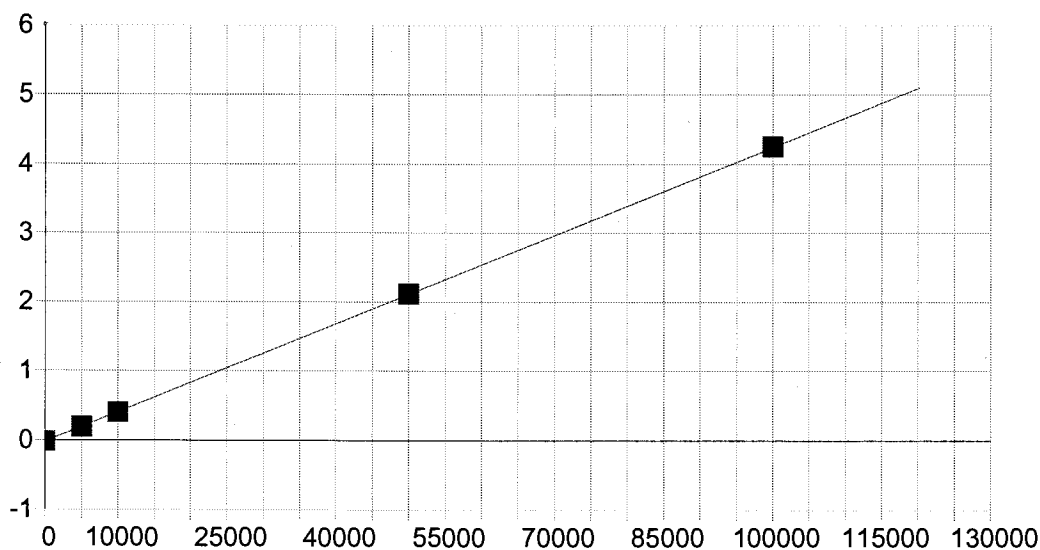


Fe 271.441 {124}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000011 Re-Slope: 1.000000
 A1 (Gain): 0.000009 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999921 Status: OK.
 Std Error of Est: 0.000032
 Predicted MDL: 12.843247
 Predicted MQL: 42.810824

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00916	-.009	.000	.00001	.000	1
DCAL1	150.00	154.61	4.61	3.07	.00146	.000	1
DCAL2	20000.	20523.	523.	2.61	.18716	.001	1
DCAL3	100000.	101370.	1370.	1.37	.92451	.004	1
DCAL4	200000.	198100.	-1900.	-.951	1.8067	.002	1

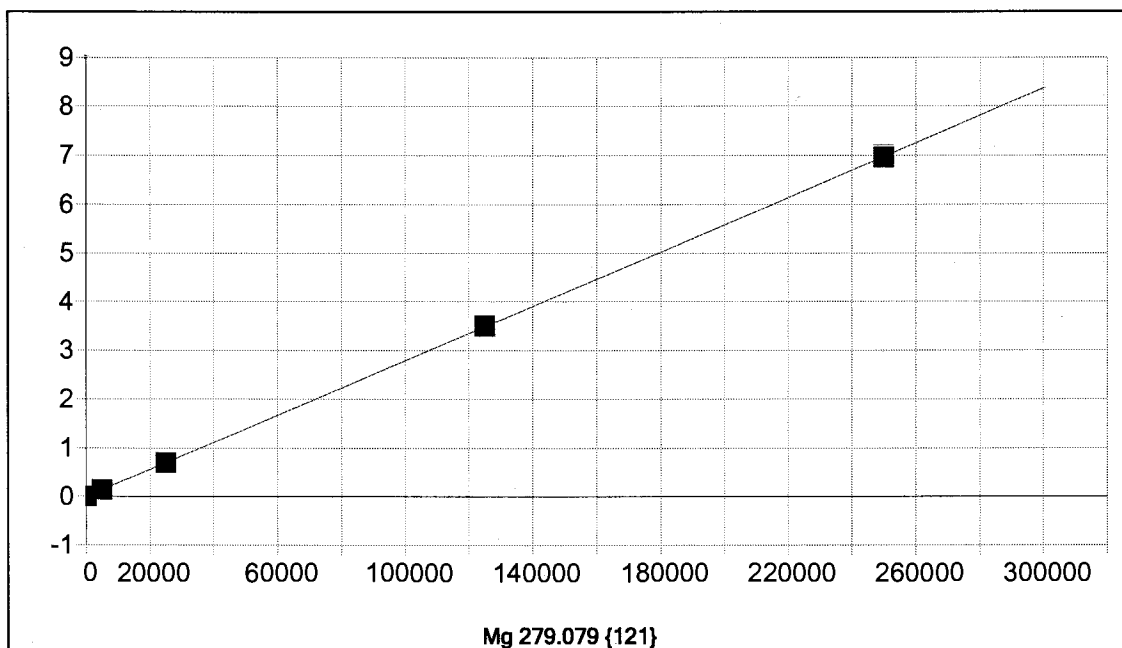


K 766.490 { 44 }

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.020521 Re-Slope: 1.000000
 A1 (Gain): 0.000043 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999990 Status: OK.
 Std Error of Est: 0.000219
 Predicted MDL: 50.543303
 Predicted MQL: 168.477675

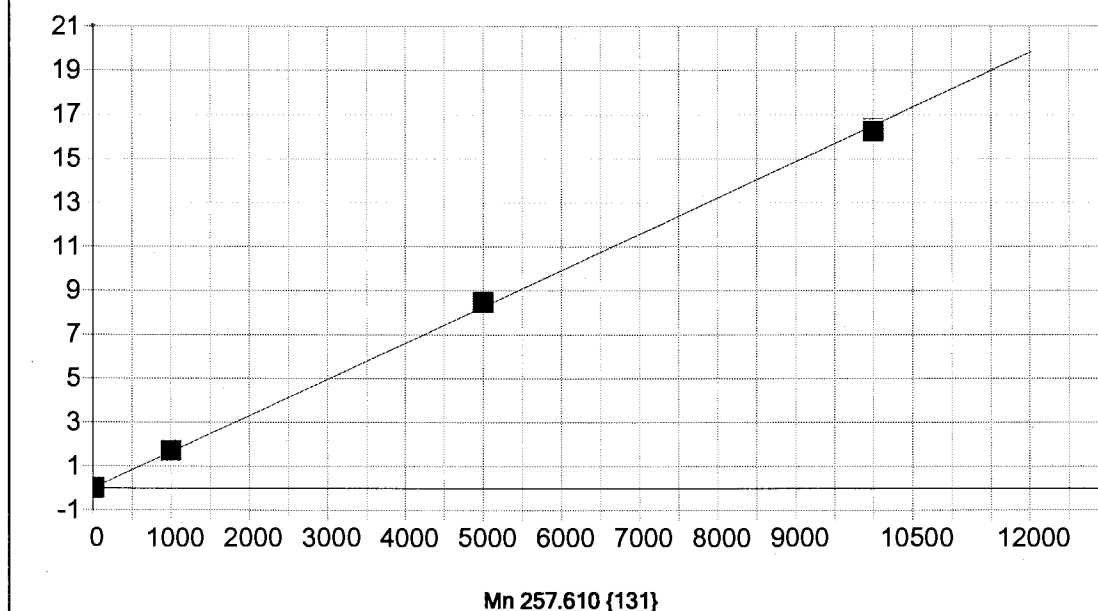
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.09909	.099	.000	-.02052	.001	1
DCAL1	5000.0	4970.7	-29.3	-.585	.19124	.003	1
DCAL2	10000.	9833.8	-166.	-1.66	.39838	.000	1
DCAL3	50000.	50070.	70.0	.140	2.1124	.007	1
DCAL4	100000.	100130.	125.	.125	4.2447	.017	1



Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000088 Re-Slope: 1.000000
 A1 (Gain): 0.000028 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999994 Status: OK.
 Std Error of Est: 0.000182
 Predicted MDL: 4.554609
 Predicted MQL: 15.182029

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.12449	-.124	.000	-.00009	.000	1
DCAL1	5000.0	5122.5	122.	2.45	.14280	.000	1
DCAL2	25000.	24983.	-17.3	-.069	.69666	.001	1
DCAL3	125000.	125380.	378.	.303	3.4966	.006	1
DCAL4	250000.	249520.	-483.	-.193	6.9587	.049	1



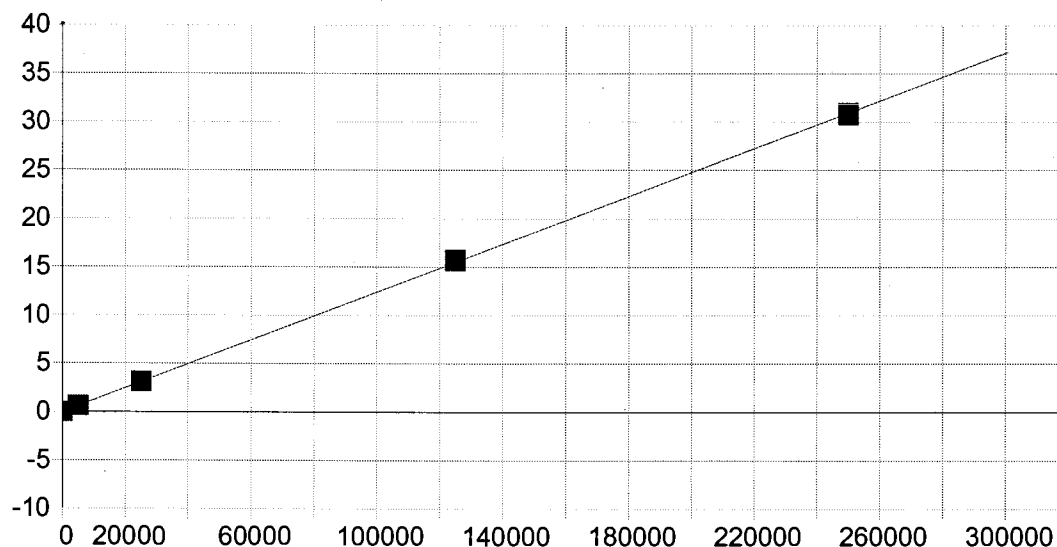
Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000038
 A1 (Gain): 0.001651
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999776
 Std Error of Est: 0.000699
 Predicted MDL: 0.083193
 Predicted MQL: 0.277309

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00174	-.002	.000	.00004	.000	1
DCAL1	15.000	16.031	1.03	6.88	.02651	.000	1
DCAL2	1000.0	1039.4	39.4	3.94	1.7161	.004	1
DCAL3	5000.0	5121.2	121.	2.42	8.4554	.015	1
DCAL4	10000.	9838.3	-162.	-1.62	16.244	.121	1



Na 589.592 { 57}

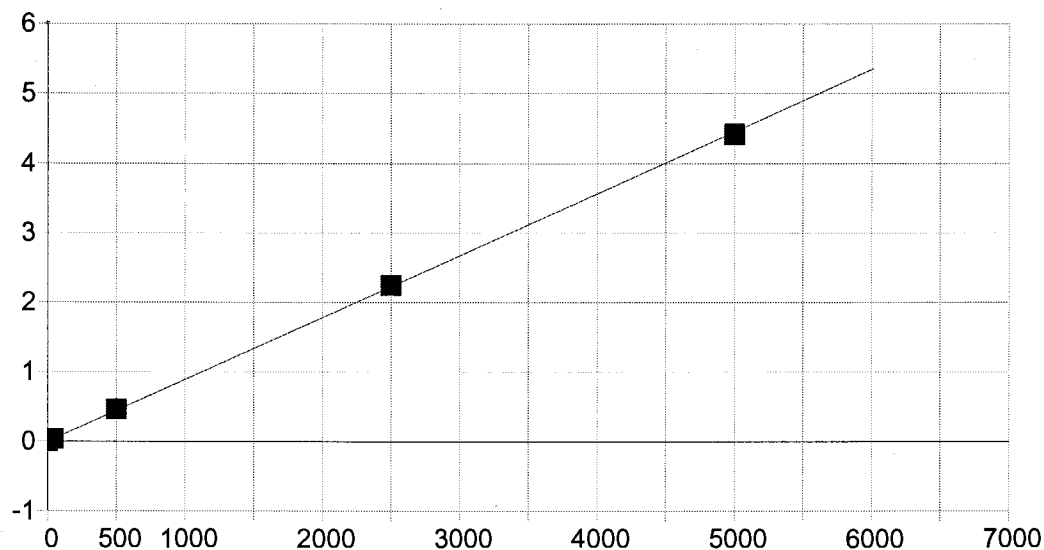
Date of Fit: 10/12/2011 19:07:59
 Type of Fit: Linear
 Weighting: 1/Conc

A0 (Offset): -0.005608
 A1 (Gain): 0.000124
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999957
 Std Error of Est: 0.002097
 Predicted MDL: 16.578558
 Predicted MQL: 55.261861

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.21445	-.214	.000	-.00563	.002	1
DCAL1	5000.0	5147.7	148.	2.95	.63157	.001	1
DCAL2	25000.	25233.	233.	.931	3.1197	.010	1
DCAL3	125000.	126390.	1390.	1.11	15.649	.080	1
DCAL4	250000.	248230.	-1770.	-.708	30.741	.178	1

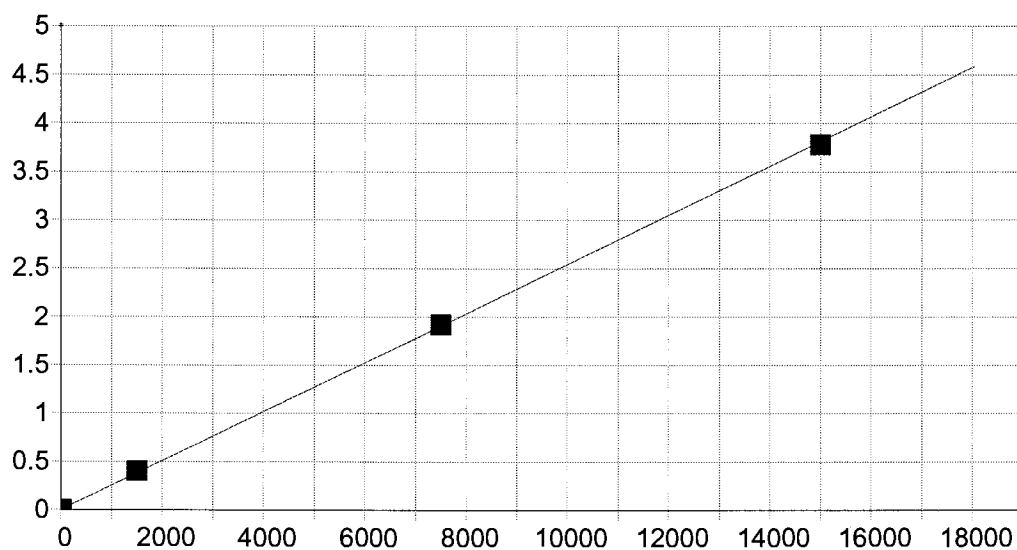


Ni 231.604 {446}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000645 Re-Slope: 1.000000
 A1 (Gain): 0.000891 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999879 Status: OK.
 Std Error of Est: 0.000320
 Predicted MDL: 0.477611
 Predicted MQL: 1.592037

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00501	-.005	.000	-.00065	.000	1
DCAL1	40.000	43.168	3.17	7.92	.03781	.000	1
DCAL2	500.00	523.86	23.9	4.77	.46652	.000	1
DCAL3	2500.0	2518.6	18.6	.743	2.2454	.004	1
DCAL4	5000.0	4954.4	-45.6	-.912	4.4178	.004	1

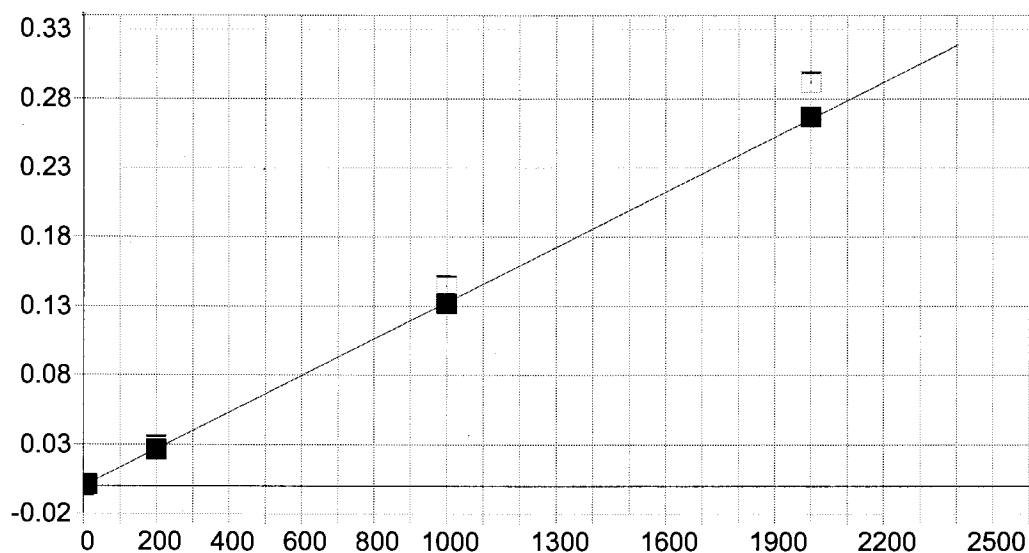


Pb 220.353 {453}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000341 Re-Slope: 1.000000
 A1 (Gain): 0.000254 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999877 Status: OK.
 Std Error of Est: 0.000056
 Predicted MDL: 1.627559
 Predicted MQL: 5.425197

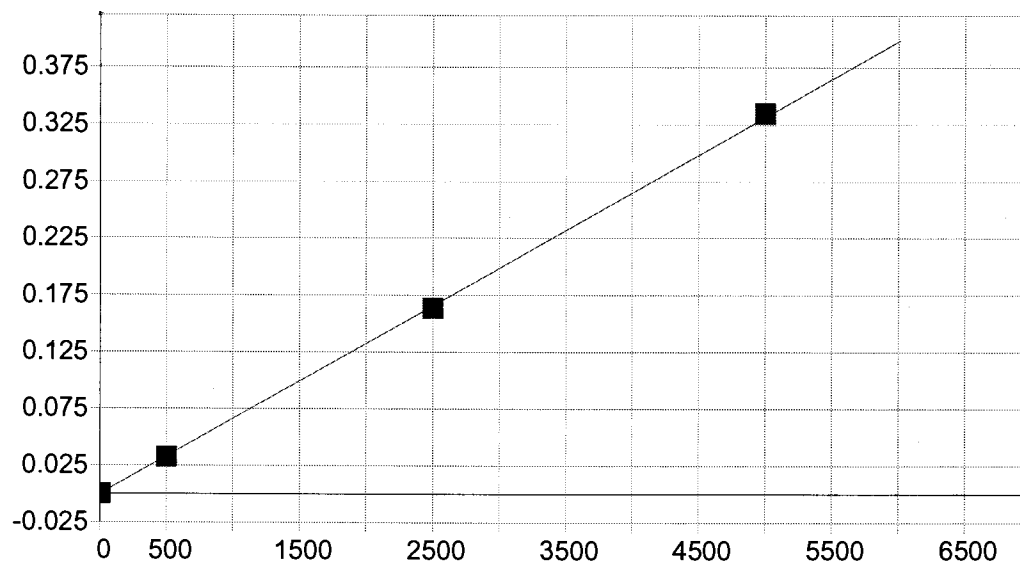
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00009	.000	.000	.00034	.000	1
DCAL1	5.0000	4.6445	-.355	-7.11	.00152	.000	1
DCAL2	1500.0	1581.4	81.4	5.43	.40209	.001	1
DCAL3	7500.0	7549.9	49.9	.666	1.9183	.004	1
DCAL4	15000.	14869.	-131.	-.873	3.7777	.003	1



Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000084 Re-Slope: 1.000000
 A1 (Gain): 0.000133 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999973 Status: OK.
 Std Error of Est: 0.000008
 Predicted MDL: 2.302684
 Predicted MQL: 7.675615

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00103	.001	.000	.00008	.000	1
DCAL1	10.000	9.1349	-.865	-8.65	.00128	.000	1
DCAL2	200.00	196.96	-3.04	-1.52	.02874	.000	1
DCAL3	1000.0	993.99	-6.01	-.601	.14457	.000	1
DCAL4	2000.0	2009.8	9.83	.491	.29196	.000	1

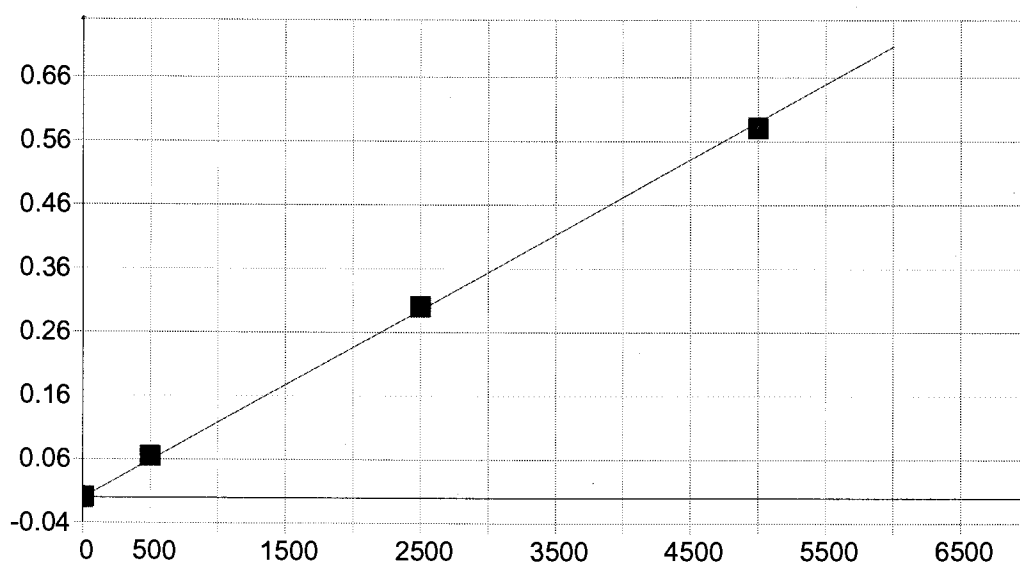


Se 196.090 {472}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000081 Re-Slope: 1.000000
 A1 (Gain): 0.000066 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999927 Status: OK.
 Std Error of Est: 0.000007
 Predicted MDL: 3.604380
 Predicted MQL: 12.014599

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00025	.000	.000	-.00008	.000	1
DCAL1	5.0000	5.3956	.396	7.91	.00027	.000	1
DCAL2	500.00	487.77	-12.2	-2.45	.03211	.000	1
DCAL3	2500.0	2467.3	-32.7	-1.31	.16276	.000	1
DCAL4	5000.0	5044.6	44.6	.891	.33290	.001	1

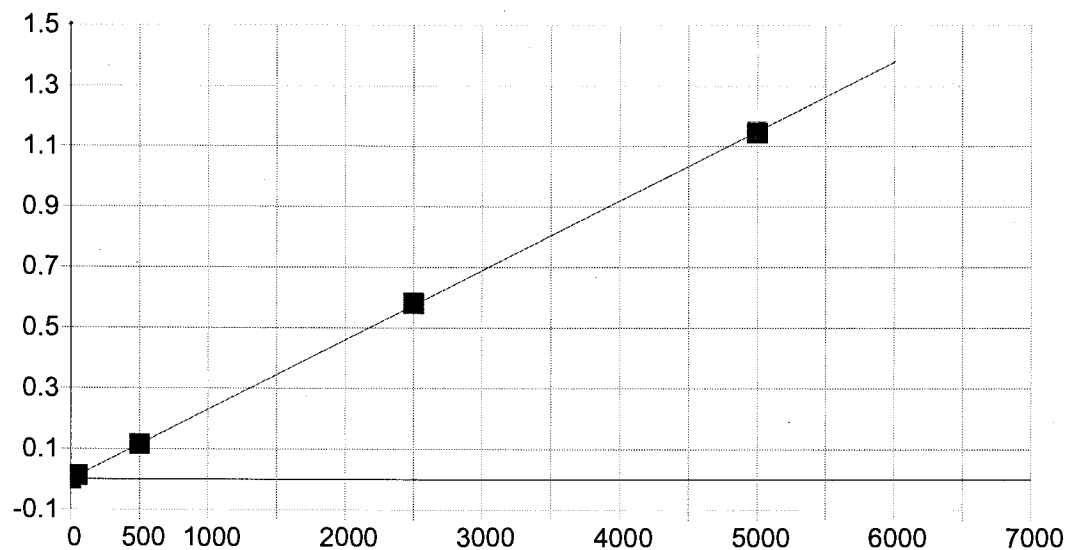


TI 190.856 {477}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000379 Re-Slope: 1.000000
 A1 (Gain): 0.000118 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999517 Status: OK.
 Std Error of Est: 0.000043
 Predicted MDL: 2.154244
 Predicted MQL: 7.180815

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00333	-.003	.000	-.00038	.000	1
DCAL1	10.000	12.348	2.35	23.5	.00111	.000	1
DCAL2	500.00	550.62	50.6	10.1	.06483	.000	1
DCAL3	2500.0	2536.2	36.2	1.45	.30005	.001	1
DCAL4	5000.0	4910.8	-89.2	-1.78	.58140	.001	1

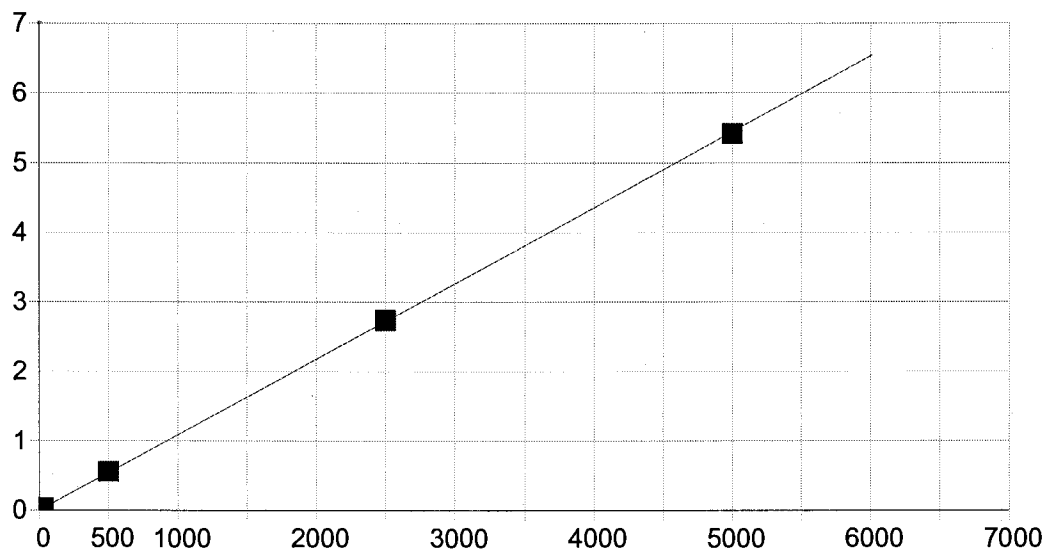


V 292.402 {115}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000033 Re-Slope: 1.000000
 A1 (Gain): 0.000230 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999984 Status: OK.
 Std Error of Est: 0.000034
 Predicted MDL: 0.572113
 Predicted MQL: 1.907045

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00035	.000	.000	.00003	.000	1
DCAL1	50.000	50.125	.125	.251	.01155	.000	1
DCAL2	500.00	500.16	.162	.032	.11519	.000	1
DCAL3	2500.0	2520.9	20.9	.835	.58044	.002	1
DCAL4	5000.0	4978.8	-21.2	-.423	1.1464	.002	1

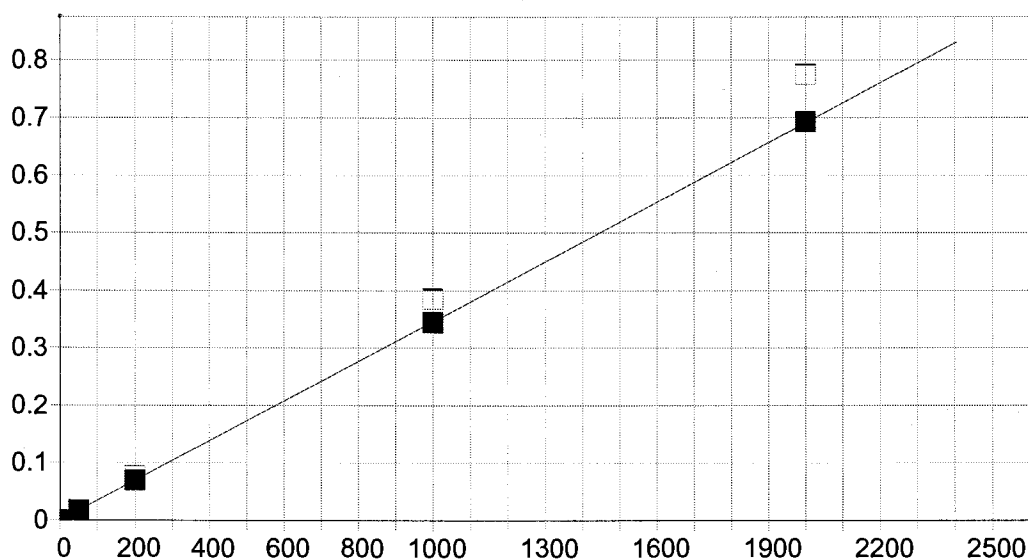


Zn 206.200 {463}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000838 Re-Slope: 1.000000
 A1 (Gain): 0.001088 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999968 Status: OK.
 Std Error of Est: 0.000175
 Predicted MDL: 0.233769
 Predicted MQL: 0.779229

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00221	-.002	.000	.00084	.000	1
DCAL1	30.000	31.517	1.52	5.06	.03517	.000	1
DCAL2	500.00	511.93	11.9	2.39	.55847	.001	1
DCAL3	2500.0	2510.4	10.4	.415	2.7354	.004	1
DCAL4	5000.0	4976.2	-23.8	-.476	5.4214	.003	1



B 208.959 {461}

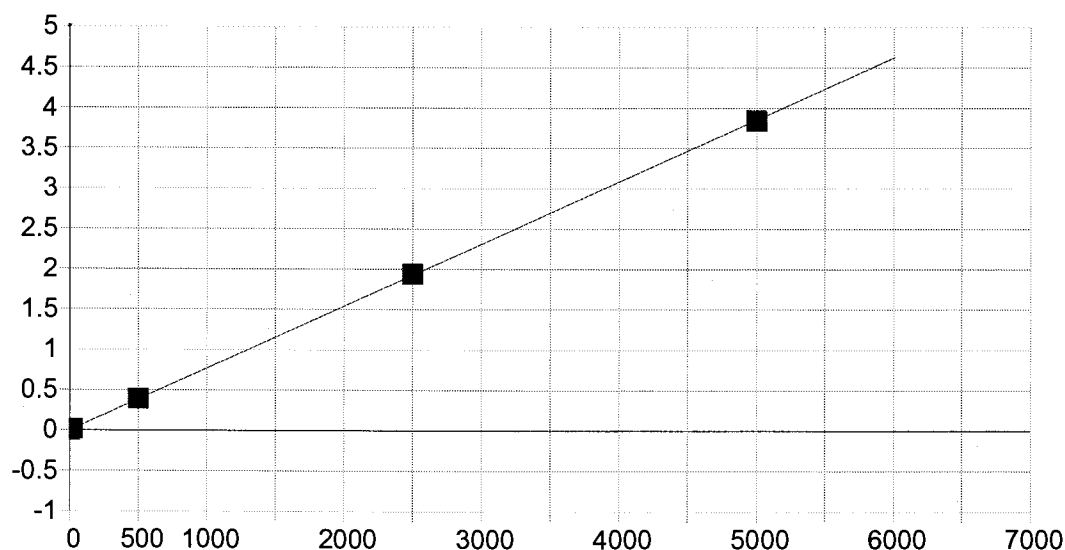
Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000352
 A1 (Gain): 0.000345
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999995
 Std Error of Est: 0.000020
 Predicted MDL: 0.817911
 Predicted MQL: 2.726369

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00007	.000	.000	.00035	.000	1
DCAL1	50.000	50.116	.116	.232	.01799	.000	1
DCAL2	200.00	200.40	.396	.198	.07777	.000	1
DCAL3	1000.0	994.76	-5.24	-.524	.38496	.001	1
DCAL4	2000.0	2004.7	4.74	.237	.77483	.001	1



Mo 202.030 {467}

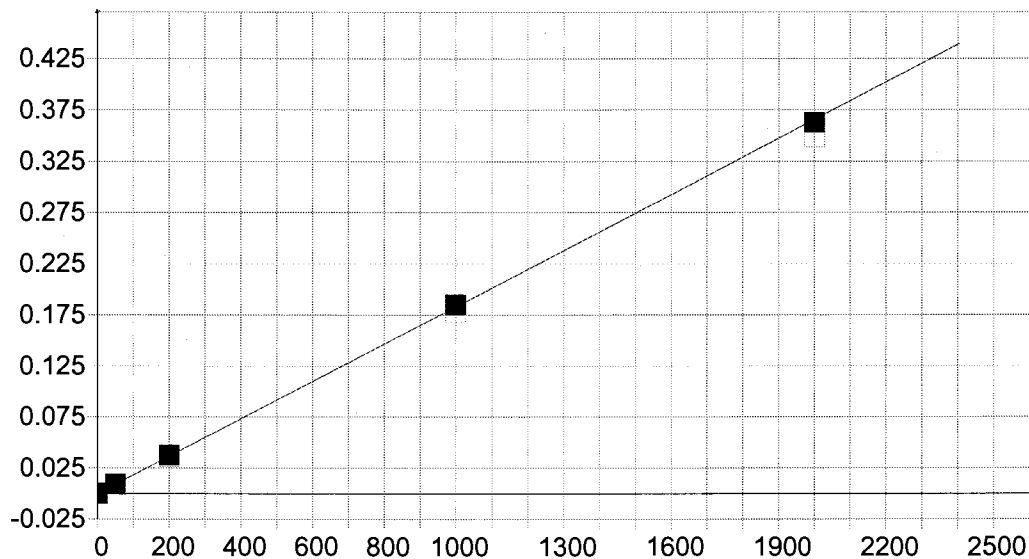
Date of Fit: 10/12/2011 19:07:59
 Type of Fit: Linear
 Weighting: 1/Conc

A0 (Offset): -0.000646
 A1 (Gain): 0.000770
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999986
 Std Error of Est: 0.000066
 Predicted MDL: 0.357257
 Predicted MQL: 1.190856

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00012	.000	.000	-.00065	.000	1
DCAL1	20.000	19.850	-.150	-.748	.01471	.000	1
DCAL2	500.00	505.87	5.87	1.17	.38976	.000	1
DCAL3	2500.0	2513.8	13.8	.554	1.9395	.003	1
DCAL4	5000.0	4980.4	-19.6	-.391	3.8432	.004	1

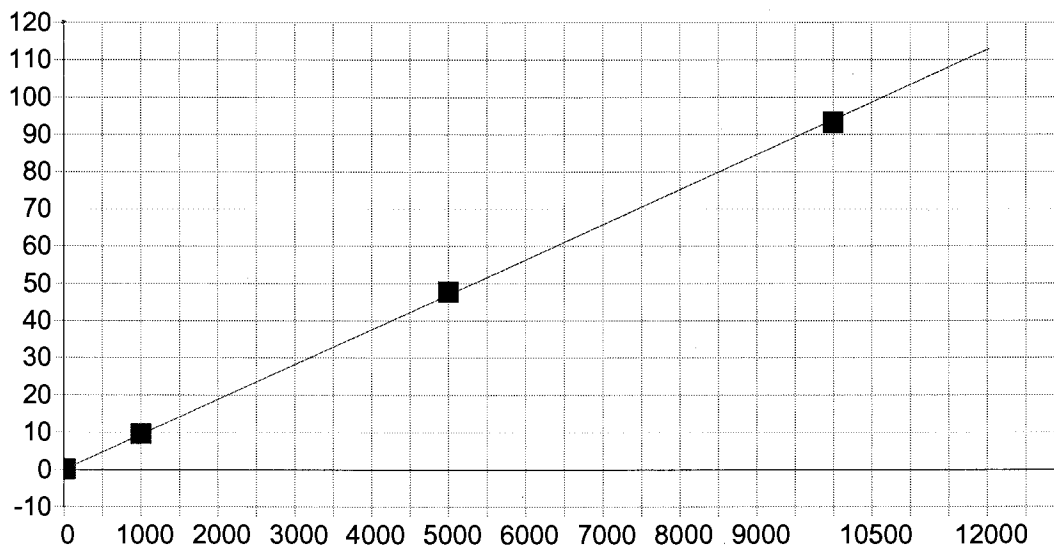


Sn 189.989 {477}

Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000075 Re-Slope: 1.000000
 A1 (Gain): 0.000183 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999930 Status: OK.
 Std Error of Est: 0.000034
 Predicted MDL: 0.947657
 Predicted MQL: 3.158858

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00221	-.002	.000	.00007	.000	1
DCAL1	50.000	50.591	.591	1.18	.00931	.000	1
DCAL2	200.00	206.20	6.20	3.10	.03632	.000	1
DCAL3	1000.0	1009.5	9.48	.948	.17739	.000	1
DCAL4	2000.0	1983.7	-16.3	-.815	.34826	.000	1



Sr 407.771 {83}

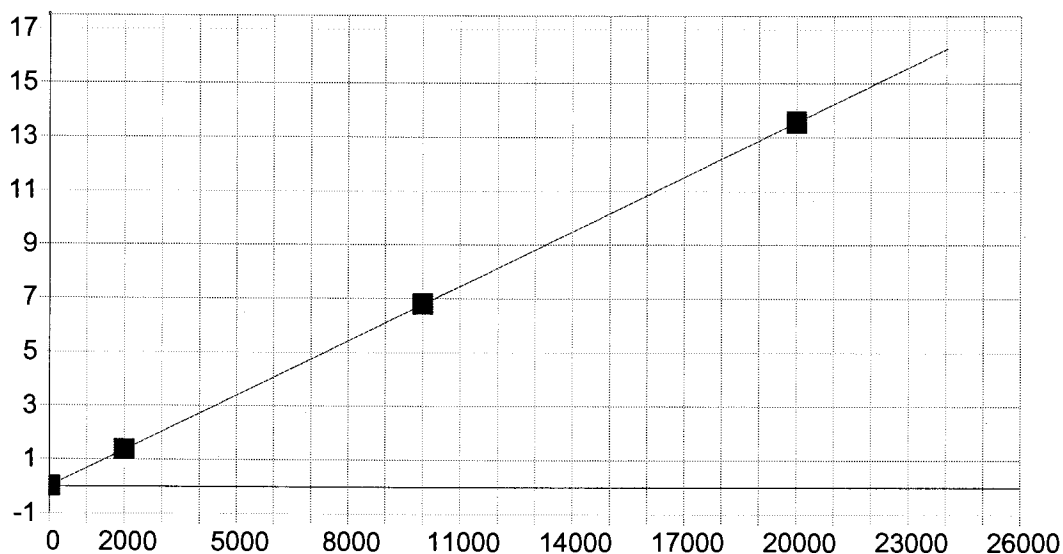
Date of Fit: 10/12/2011 19:07:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002647
 A1 (Gain): 0.009394
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999922
 Std Error of Est: 0.002715
 Predicted MDL: 0.122971
 Predicted MQL: 0.409905

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00074	-.001	.000	-.00265	.002	1
DCAL1	20.000	20.239	.239	1.20	.18814	.000	1
DCAL2	1000.0	1019.4	19.4	1.94	9.5778	.005	1
DCAL3	5000.0	5077.1	77.1	1.54	47.711	.156	1
DCAL4	10000.	9903.2	-96.8	-.968	93.065	.299	1



Ti 334.941 {101}

Date of Fit: 10/12/2011 19:07:59

Type of Fit: Linear

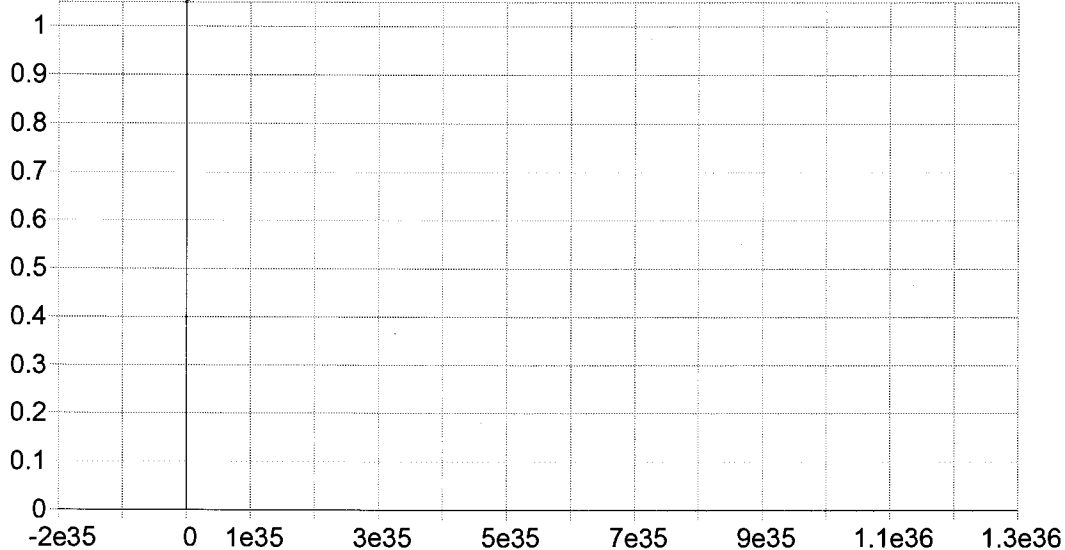
Weighting: 1/Conc

A0 (Offset): -0.000210
 A1 (Gain): 0.000678
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999997
 Std Error of Est: 0.000051
 Predicted MDL: 1.314764
 Predicted MQL: 4.382547

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00012	.000	.000	-.00021	.000	1
DCAL1	20.000	19.760	-.240	-1.20	.01326	.001	1
DCAL2	2000.0	2011.4	11.4	.568	1.3663	.004	1
DCAL3	10000.	10022.	22.0	.220	6.8087	.015	1
DCAL4	20000.	19967.	-33.2	-.166	13.565	.028	1

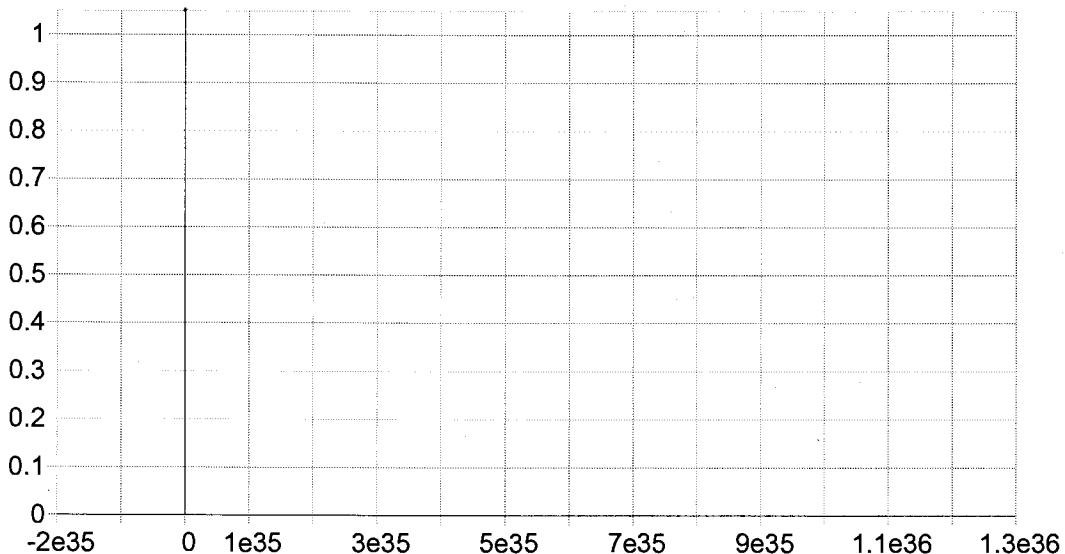


Y 224.306 {450}*

Date of Fit: 2/28/2011 17:34:07 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 183.492520
 Predicted MDL: n/a
 Predicted MQL: n/a

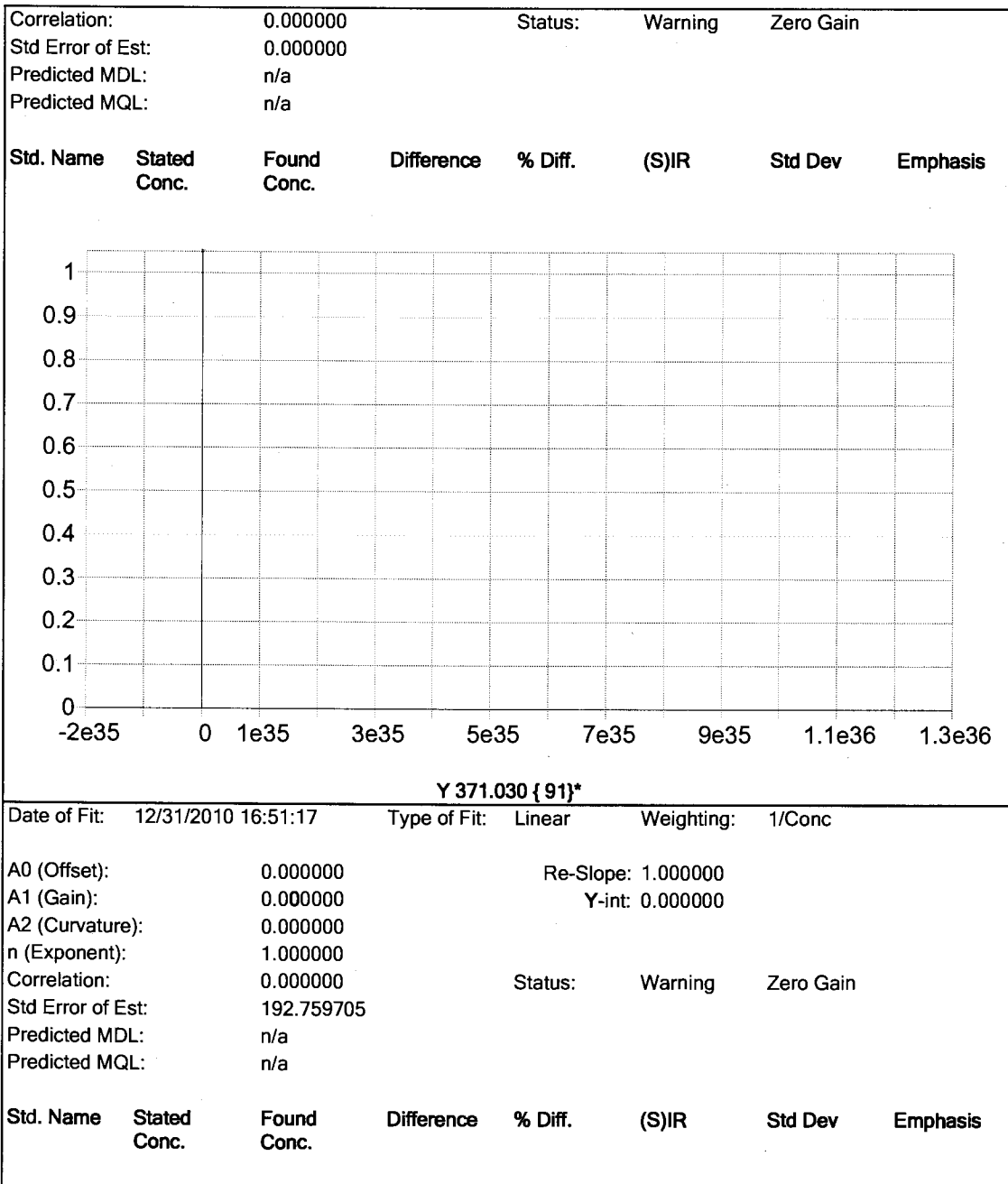
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 360.073 {94}*

Date of Fit: 5/4/2010 9:11:13 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000



Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Standard: 1 Rep: 1				Seq: 1		20:55:50	07 Oct 11	HG	
Hg	.000	ppb	1017						=
*** Standard: 2 Rep: 1				Seq: 2		20:57:36	07 Oct 11	HG	
Hg	.100	ppb	7583						=
*** Standard: 3 Rep: 1				Seq: 3		20:59:56	07 Oct 11	HG	
Hg	1.00	ppb	42641						=
*** Standard: 4 Rep: 1				Seq: 4		21:02:02	07 Oct 11	HG	
Hg	2.00	ppb	83408						=
*** Standard: 5 Rep: 1				Seq: 5		21:04:33	07 Oct 11	HG	
Hg	5.00	ppb	205203						=
*** Standard: 6 Rep: 1				Seq: 6		21:06:39	07 Oct 11	HG	
Hg	10.0	ppb	402265						=
*** Check Standard: 3 Ck3AICV				Seq: 7		21:08:40	07 Oct 11	HG	
Line Flag %Rcv. Found True Units SD/RSD									=
Hg		99.6	4.98	5.00	ppb	.000			
*** Check Standard: 1 Ck1ICB/CCB				Seq: 8		21:10:44	07 Oct 11	HG	
Line Flag Found Range(+/-) Units SD/RSD									=
Hg		.007	.200	ppb		.000			
*** Sample ID:				Seq: 9		21:12:38	07 Oct 11	HG	
			mb 460-88747/10-a						=
Hg	.024	ppb	.000	.024					
=====									
*** Sample ID: lcssrm 460				Seq: 10		21:15:07	07 Oct 11	HG	
			-88747/11-a@10						=
Hg	4.92	ppb	.000	4.92					
=====									
*** Sample ID:				Seq: 11		21:16:54	07 Oct 11	HG	
			460-31914-e-14-a						=
Hg	6.48	ppb	.000	6.48					
=====									
Folder: 88747HG1 Protocol: SW846A ***POST-RUN REPORT***									
Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Sample ID:				Seq: 12		21:18:39	07 Oct 11	HG	
			460-31914-a-14-a du						=
Hg	6.74	ppb	.000	6.74					
*** Sample ID:				Seq: 13		21:20:25	07 Oct 11	HG	
			460-31914-e-14-b ms						=

*** Sample ID: Seq: 28 21:50:32 07 Oct 11 HG
 460-31736-c-16-d
 Hg -.085 ppb .000 -.085
 *** Sample ID: Seq: 29 21:52:26 07 Oct 11 HG
 460-31736-c-23-c
 Hg .350 ppb .000 .350
 *** Sample ID: Seq: 30 21:54:57 07 Oct 11 HG
 460-32001-a-2-a
 Hg .117 ppb .000 .117
 *** Check Standard: 2 Ck2ACCV Seq: 31 21:56:45 07 Oct 11 HG
 Line Flag %Rcv. Found True Units SD/RSD
 Hg 99.9 4.99 5.00 ppb .000
 *** Check Standard: 1 Ck1ICB/CCB Seq: 32 21:58:29 07 Oct 11 HG
 Line Flag Found Range(+/-) Units SD/RSD
 Hg -.032 .200 ppb .000
 *** Sample ID: Seq: 33 22:00:15 07 Oct 11 HG
 460-32001-a-6-a
 Hg .638 ppb .000 .638
 *** Sample ID: Seq: 34 22:02:00 07 Oct 11 HG
 460-32001-c-10-a
 Hg .287 ppb .000 .287
 *** Sample ID: Seq: 35 22:03:49 07 Oct 11 HG
 460-32109-a-1-b
 Hg 15.4 ppb .000 15.4

Folder: 88747HG1
 Protocol: SW846A
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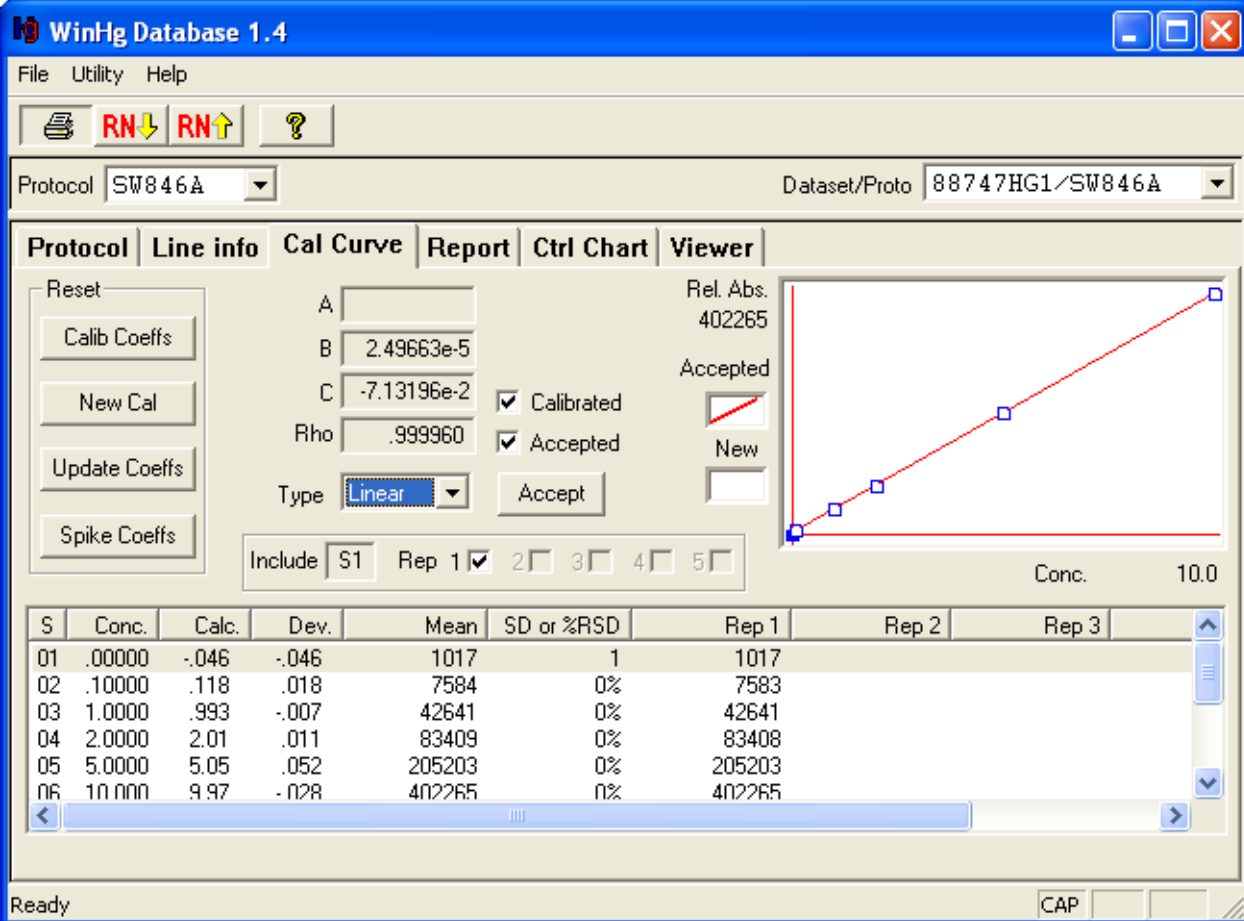
Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:								
Seq: 36								
460-32123-a-6-b								
Hg 4.00	ppb	.000	4.00					
*** Sample ID:								
Seq: 37								
460-31963-a-23-a@2								
Hg 8.48	ppb	.000	8.48					
*** Sample ID:								
Seq: 38								
460-32109-a-1-b@2								
Hg 8.13	ppb	.000	8.13					
*** Sample ID:								
Seq: 39								
460-32123-a-6-b								
Hg 4.11	ppb	.000	4.11					
*** Sample ID:								
Seq: 40								
SD 460-31914-e-14-a@								
Hg 1.30	ppb	.000	1.30					
*** Check Standard: 2 Ck2ACCV Seq: 41 22:14:54 07 Oct 11 HG								
Line Flag %Rcv. Found True Units SD/RSD								
Hg 101. 5.06 5.00 ppb .000								
*** Check Standard: 1 Ck1ICB/CCB Seq: 42 22:16:42 07 Oct 11 HG								
Line Flag Found Range(+/-) Units SD/RSD								

```

Hg          -.055      .200      ppb          .000
*** Sample ID:                               Seq: 43      22:18:27 07 Oct 11  HG
                                     mb 460-88748/10-a
Hg   -.022      ppb          .000      -.022
=====
*** Sample ID: lcssrm 460                               Seq: 44      22:20:12 07 Oct 11  HG
                                     -88748/11-a@10
Hg   5.13      ppb          .000      5.13
=====
*** Sample ID:                               Seq: 45      22:21:59 07 Oct 11  HG
                                     460-31963-a-20-a
Hg   .004      ppb          .000      .004
=====
*** Sample ID:                               Seq: 46      22:23:46 07 Oct 11  HG
                                     460-31963-a-20-b du
Hg   .025      ppb          .000      .025
=====
                                     Folder: 88747HG1
                                     Protocol: SW846A
                                     ***POST-RUN REPORT***
Line   Conc.  Units      SD/RSD      1      2      3      4      5
-----
*** Sample ID:                               Seq: 47      22:25:44 07 Oct 11  HG
                                     460-31963-a-20-c ms
Hg   1.02      ppb          .000      1.02
=====
*** Sample ID:                               Seq: 48      22:28:12 07 Oct 11  HG
                                     460-32121-a-1-a
Hg   .835      ppb          .000      .835
=====
*** Sample ID:                               Seq: 49      22:30:03 07 Oct 11  HG
                                     460-32121-a-2-a
Hg   1.56      ppb          .000      1.56
=====
*** Sample ID:                               Seq: 50      22:32:14 07 Oct 11  HG
                                     460-32121-a-3-a
Hg   2.21      ppb          .000      2.21
=====
*** Sample ID:                               Seq: 51      22:34:14 07 Oct 11  HG
                                     460-32121-a-4-a
Hg   1.15      ppb          .000      1.15
=====
*** Sample ID:                               Seq: 52      22:36:02 07 Oct 11  HG
                                     460-32121-a-5-a
Hg   9.02      ppb          .000      9.02
=====
*** Check Standard: 2 Ck2ACCV      Seq: 53      22:37:51 07 Oct 11  HG
Line Flag %Rcv.  Found  True  Units      SD/RSD
Hg          105.    5.24  5.00  ppb          .000
=====
*** Check Standard: 1 Ck1ICB/CCB      Seq: 54      22:39:39 07 Oct 11  HG
Line Flag Found Range(+/-) Units      SD/RSD
Hg          -.011    .200      ppb          .000
=====
*** Sample ID:                               Seq: 55      22:41:24 07 Oct 11  HG
                                     460-32121-a-6-a
Hg   1.18      ppb          .000      1.18
=====
*** Sample ID:                               Seq: 56      22:43:10 07 Oct 11  HG
                                     460-32121-a-7-a

```

Hg	1.87	ppb	.000		1.87								=
*** Sample ID:					Seq: 57	22:44:56	07 Oct 11	HG					
					460-32121-a-8-a								
Hg	6.03	ppb	.000		6.03								=
*** Sample ID:					Seq: 58	22:46:44	07 Oct 11	HG					
					460-32121-a-10-a								
Hg	16.5	ppb	.000		16.5								=
					Folder: 88747HG1						Page 1999		
					Protocol: SW846A								
					POST-RUN REPORT								
Line	Conc.	Units	SD/RSD	1	2	3	4	5					
*** Sample ID:					Seq: 59	22:48:29	07 Oct 11	HG					
					460-32121-a-11-a								
Hg	-.067	ppb	.000		-.067								=
*** Sample ID:					Seq: 60	22:50:26	07 Oct 11	HG					
					460-32121-a-12-a								
Hg	.047	ppb	.000		.047								=
*** Sample ID:					Seq: 61	22:52:45	07 Oct 11	HG					
					460-32121-a-13-a								
Hg	.036	ppb	.000		.036								=
*** Sample ID:					Seq: 62	22:54:53	07 Oct 11	HG					
					460-32121-a-14-a								
Hg	-.077	ppb	.000		-.077								=
*** Sample ID:					Seq: 63	22:56:44	07 Oct 11	HG					
					460-32121-a-15-a								
Hg	.031	ppb	.000		.031								=
*** Sample ID:					Seq: 64	22:58:52	07 Oct 11	HG					
					SD 460-31963-a-20-a@								
Hg	-.124	ppb	.000		-.124								=
*** Check Standard: 2	Ck2ACCV				Seq: 65	23:00:42	07 Oct 11	HG					
Line Flag %Rcv. Found True Units SD/RSD													
Hg 105. 5.24 5.00 ppb .000													=
*** Check Standard: 1	Ck1ICB/CCB				Seq: 66	23:02:56	07 Oct 11	HG					
Line Flag Found Range(+/-) Units SD/RSD													
Hg .009 .200 ppb .000													=
*** Sample ID:					Seq: 67	23:04:46	07 Oct 11	HG					
					460-32121-a-10-a@2								
Hg	8.47	ppb	.000		8.47								=
*** Sample ID:					Seq: 68	23:06:52	07 Oct 11	HG					
					SD 460-31963-a-20-a@								
Hg	-.037	ppb	.000		-.037								=
*** Check Standard: 2	Ck2ACCV				Seq: 69	23:08:47	07 Oct 11	HG					
Line Flag %Rcv. Found True Units SD/RSD													
Hg 105. 5.23 5.00 ppb .000													=
*** Check Standard: 1	Ck1ICB/CCB				Seq: 70	23:10:31	07 Oct 11	HG					
Line Flag Found Range(+/-) Units SD/RSD													
Hg -.025 .200 ppb .000													
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Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1				Seq: 1		20:55:50	07 Oct 11	HG
Hg	.000	ppb	1017					
		Bkgd 1	6289949					
*** Standard: 2 Rep: 1				Seq: 2		20:57:36	07 Oct 11	HG
Hg	.100	ppb	7583					
		Bkgd 1	6293962					
*** Standard: 3 Rep: 1				Seq: 3		20:59:56	07 Oct 11	HG
Hg	1.00	ppb	42641					
		Bkgd 1	6294069					
*** Standard: 4 Rep: 1				Seq: 4		21:02:02	07 Oct 11	HG
Hg	2.00	ppb	83408					
		Bkgd 1	6293992					
*** Standard: 5 Rep: 1				Seq: 5		21:04:33	07 Oct 11	HG
Hg	5.00	ppb	205203					
		Bkgd 1	6291773					
*** Standard: 6 Rep: 1				Seq: 6		21:06:39	07 Oct 11	HG
Hg	10.0	ppb	402265					
		Bkgd 1	6285243					
*** Check Standard: 3			Ck3AICV	Seq: 7		21:08:40	07 Oct 11	HG
Line Flag			Intensities					
Hg			202361					
		Bkgd 1	6280909					
*** Check Standard: 1			Ck1ICB/CCB	Seq: 8		21:10:44	07 Oct 11	HG
Line Flag			Intensities					
Hg			3149					
		Bkgd 1	6279874					
*** Sample ID:				Seq: 9		21:12:38	07 Oct 11	HG
			mb 460-88747/10-a					
Hg	.024	ppb	3818					
		Bkgd 1	6279259					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: lcssrm 460				Seq: 10		21:15:07	07 Oct 11	HG
			-88747/11-a@10					
Hg	4.92	ppb	200006					
		Bkgd 1	6276951					

*** Sample ID:		Seq: 11	21:16:54 07 Oct 11	HG
		460-31914-e-14-a		
Hg	6.48	ppb	262596	
		Bkgd 1	6275258	=
*** Sample ID:		Seq: 12	21:18:39 07 Oct 11	HG
		460-31914-a-14-a du		
Hg	6.74	ppb	272881	
		Bkgd 1	6273952	=
*** Sample ID:		Seq: 13	21:20:25 07 Oct 11	HG
		460-31914-e-14-b ms		
Hg	8.34	ppb	336848	
		Bkgd 1	6273549	=
*** Sample ID:		Seq: 14	21:22:19 07 Oct 11	HG
		460-32063-f-1-b		
Hg	.231	ppb	12107	
		Bkgd 1	6274190	=
*** Sample ID:		Seq: 15	21:24:17 07 Oct 11	HG
		460-31340-d-9-i		
Hg	.485	ppb	22283	
		Bkgd 1	6274654	=
*** Sample ID:		Seq: 16	21:26:13 07 Oct 11	HG
		460-32010-d-5-c		
Hg	.766	ppb	33530	
		Bkgd 1	6276664	=
*** Sample ID:		Seq: 17	21:28:29 07 Oct 11	HG
		460-31963-a-1-a		
Hg	.612	ppb	27378	
		Bkgd 1	6276201	=
*** Sample ID:		Seq: 18	21:30:14 07 Oct 11	HG
		460-31963-a-3-a		
Hg	-.010	ppb	2462	
		Bkgd 1	6282686	=

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 2								
Line Flag			Ck2ACCV	Seq: 19	21:32:12 07 Oct 11	HG		
Hg			Intensities					
			203491					
		Bkgd 1	6288645					=
*** Check Standard: 1								
Line Flag			Ck1ICB/CCB	Seq: 20	21:34:21 07 Oct 11	HG		
Hg			Intensities					
			852					
		Bkgd 1	6289021					=
*** Sample ID:								
			460-31963-a-4-a	Seq: 21	21:36:07 07 Oct 11	HG		
Hg	.095	ppb	6665					
		Bkgd 1	6289719					=
*** Sample ID:								
			460-31963-a-7-a	Seq: 22	21:38:30 07 Oct 11	HG		
Hg	.066	ppb	5502					

	Bkgd 1	6291009								=
***	Sample ID:		Seq: 23	21:40:17	07	Oct	11	HG		=
			460-31963-a-10-a							
Hg	.680	ppb	30102							
	Bkgd 1	6285407								=
***	Sample ID:		Seq: 24	21:42:25	07	Oct	11	HG		=
			460-31963-a-14-a							
Hg	.017	ppb	3539							
	Bkgd 1	6280839								=
***	Sample ID:		Seq: 25	21:44:30	07	Oct	11	HG		=
			460-31963-a-16-a							
Hg	.036	ppb	4292							
	Bkgd 1	6279358								=
***	Sample ID:		Seq: 26	21:46:47	07	Oct	11	HG		=
			460-31963-a-21-a							
Hg	.033	ppb	4162							
	Bkgd 1	6277962								=
***	Sample ID:		Seq: 27	21:48:37	07	Oct	11	HG		=
			460-31963-a-23-a							
Hg	16.5	ppb	664977							
	Bkgd 1	6276809								=

Folder: 88747HG1
Protocol: SW846A
POST-RUN REPORT

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Line	Conc.	Units	SD/RSD	1	2	3	4	5	
***	Sample ID:		Seq: 28	21:50:32	07	Oct	11	HG	
			460-31736-c-16-d						
Hg	-.085	ppb	-564						
	Bkgd 1	6270836							=
***	Sample ID:		Seq: 29	21:52:26	07	Oct	11	HG	
			460-31736-c-23-c						
Hg	.350	ppb	16862						
	Bkgd 1	6274808							=
***	Sample ID:		Seq: 30	21:54:57	07	Oct	11	HG	
			460-32001-a-2-a						
Hg	.117	ppb	7530						
	Bkgd 1	6275945							=
***	Check Standard: 2	Ck2ACCV	Seq: 31	21:56:45	07	Oct	11	HG	
Line Flag		Intensities							
Hg		202886							
	Bkgd 1	6275617							=
***	Check Standard: 1	Ck1ICB/CCB	Seq: 32	21:58:29	07	Oct	11	HG	
Line Flag		Intensities							
Hg		1582							
	Bkgd 1	6273014							=
***	Sample ID:		Seq: 33	22:00:15	07	Oct	11	HG	
			460-32001-a-6-a						
Hg	.638	ppb	28394						
	Bkgd 1	6276052							=
***	Sample ID:		Seq: 34	22:02:00	07	Oct	11	HG	

```

460-32001-c-10-a
Hg      .287      ppb      14358
Bkgd 1      6275373
*** Sample ID:                      Seq: 35      22:03:49 07 Oct 11      HG
460-32109-a-1-b
Hg      15.4      ppb      618407
Bkgd 1      6277097
*** Sample ID:                      Seq: 36      22:05:34 07 Oct 11      HG
460-32123-a-6-b
Hg      4.00      ppb      162881
Bkgd 1      6278156
Folder: 88747HG1
Protocol: SW846A
***POST-RUN REPORT***
Page 1999
Line      Conc.      Units      SD/RSD      1      2      3      4      5
-----
*** Sample ID:                      Seq: 37      22:07:20 07 Oct 11      HG
460-31963-a-23-a@2
Hg      8.48      ppb      342430
Bkgd 1      6285643
*** Sample ID:                      Seq: 38      22:09:18 07 Oct 11      HG
460-32109-a-1-b@2
Hg      8.13      ppb      328344
Bkgd 1      6284170
*** Sample ID:                      Seq: 39      22:11:02 07 Oct 11      HG
460-32123-a-6-b
Hg      4.11      ppb      167483
Bkgd 1      6279403
*** Sample ID:                      Seq: 40      22:13:08 07 Oct 11      HG
SD 460-31914-e-14-a@
Hg      1.30      ppb      54951
Bkgd 1      6277920
*** Check Standard: 2      Ck2ACCV      Seq: 41      22:14:54 07 Oct 11      HG
Line Flag      Intensities
Hg      Bkgd 1      205464
6276975
*** Check Standard: 1      Ck1ICB/CCB      Seq: 42      22:16:42 07 Oct 11      HG
Line Flag      Intensities
Hg      Bkgd 1      639
6274144
*** Sample ID:                      Seq: 43      22:18:27 07 Oct 11      HG
mb 460-88748/10-a
Hg      -.022      ppb      1973
Bkgd 1      6276074
=====
*** Sample ID: lcssrm 460      Seq: 44      22:20:12 07 Oct 11      HG
-88748/11-a@10
Hg      5.13      ppb      208210
Bkgd 1      6276853
=====
*** Sample ID:                      Seq: 45      22:21:59 07 Oct 11      HG
460-31963-a-20-a

```

Hg .004 ppb 3030
Bkgd 1 6273970

Folder: 88747HG1
Protocol: SW846A
POST-RUN REPORT

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Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 46 22:23:46 07 Oct 11 HG
460-31963-a-20-b du

Hg .025 ppb 3847
Bkgd 1 6276399

*** Sample ID: Seq: 47 22:25:44 07 Oct 11 HG
460-31963-a-20-c ms

Hg 1.02 ppb 43785
Bkgd 1 6275733

*** Sample ID: Seq: 48 22:28:12 07 Oct 11 HG
460-32121-a-1-a

Hg .835 ppb 36293
Bkgd 1 6275579

*** Sample ID: Seq: 49 22:30:03 07 Oct 11 HG
460-32121-a-2-a

Hg 1.56 ppb 65448
Bkgd 1 6282203

*** Sample ID: Seq: 50 22:32:14 07 Oct 11 HG
460-32121-a-3-a

Hg 2.21 ppb 91486
Bkgd 1 6287299

*** Sample ID: Seq: 51 22:34:14 07 Oct 11 HG
460-32121-a-4-a

Hg 1.15 ppb 48748
Bkgd 1 6283551

*** Sample ID: Seq: 52 22:36:02 07 Oct 11 HG
460-32121-a-5-a

Hg 9.02 ppb 364305
Bkgd 1 6278490

*** Check Standard: 2 Seq: 53 22:37:51 07 Oct 11 HG
Line Flag Ck2ACCV Intensities

Hg Bkgd 1 212828
6270222

*** Check Standard: 1 Seq: 54 22:39:39 07 Oct 11 HG
Line Flag Ck1ICB/CCB Intensities

Hg Bkgd 1 2409
6268523

Folder: 88747HG1
Protocol: SW846A
POST-RUN REPORT

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Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 55 22:41:24 07 Oct 11 HG
460-32121-a-6-a

Hg 1.18 ppb 50047
Bkgd 1 6269200

```

*** Sample ID:                               Seq: 56      22:43:10 07 Oct 11  HG
                                     460-32121-a-7-a
Hg      1.87      ppb      77927
                                     Bkgd 1  6269181

*** Sample ID:                               Seq: 57      22:44:56 07 Oct 11  HG
                                     460-32121-a-8-a
Hg      6.03      ppb      244387
                                     Bkgd 1  6268871

*** Sample ID:                               Seq: 58      22:46:44 07 Oct 11  HG
                                     460-32121-a-10-a
Hg      16.5      ppb      663004
                                     Bkgd 1  6267296

*** Sample ID:                               Seq: 59      22:48:29 07 Oct 11  HG
                                     460-32121-a-11-a
Hg      -.067     ppb      170
                                     Bkgd 1  6260720

*** Sample ID:                               Seq: 60      22:50:26 07 Oct 11  HG
                                     460-32121-a-12-a
Hg      .047      ppb      4740
                                     Bkgd 1  6269941

*** Sample ID:                               Seq: 61      22:52:45 07 Oct 11  HG
                                     460-32121-a-13-a
Hg      .036      ppb      4315
                                     Bkgd 1  6270943

*** Sample ID:                               Seq: 62      22:54:53 07 Oct 11  HG
                                     460-32121-a-14-a
Hg      -.077     ppb      -229
                                     Bkgd 1  6272992

*** Sample ID:                               Seq: 63      22:56:44 07 Oct 11  HG
                                     460-32121-a-15-a
Hg      .031      ppb      4085
                                     Bkgd 1  6281557

```

Folder: 88747HG1
Protocol: SW846A
POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 64 22:58:52 07 Oct 11 HG								
SD 460-31963-a-20-a@								
Hg	-.124	ppb	-2111					
		Bkgd 1	6284099					
*** Check Standard: 2 Ck2ACCV Seq: 65 23:00:42 07 Oct 11 HG								
Line	Flag		Intensities					
Hg			212881					
		Bkgd 1	6287776					
*** Check Standard: 1 Ck1ICB/CCB Seq: 66 23:02:56 07 Oct 11 HG								
Line	Flag		Intensities					
Hg			3209					
		Bkgd 1	6287586					
*** Sample ID: Seq: 67 23:04:46 07 Oct 11 HG								
460-32121-a-10-a@2								

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Batch Number: 88751 Batch Start Date: 10/07/11 18:56 Batch Analyst: Staib, ThomasBatch Method: 3050B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00025	ME_LCSS_62 00006		
MB 460-88751/1		3050B, 6010B		1.00 g	50 mL				
LCSSRM 460-88751/2		3050B, 6010B		1.00 g	50 mL		1 g		
460-31913-A-2 DU		3050B, 6010B	T	1.01 g	50 mL				
460-31913-A-2 MS		3050B, 6010B	T	1.01 g	50 mL	2 mL			
460-32010-D-5	SO-17338-092811- MM-091	3050B, 6010B	T	1.02 g	50 mL				

Batch Notes	
Balance ID	35
Hydrogen peroxide lot number	K11J09
Lot # of hydrochloric acid	K14068
Lot # of Nitric Acid	K15028
Temperature	95 Degrees C

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Batch Number: 88747 Batch Start Date: 10/07/11 18:00 Batch Analyst: Staib, ThomasBatch Method: 7471A Batch End Date: 10/07/11 20:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00644	ME_DQCS-INT 00337	ME_LCSS_62 00014	
ICV 460-88747/7		7471A, 7471A		0.60 g	100 mL		5 mL		
CCV 460-88747/8		7471A, 7471A		0.60 g	100 mL		5 mL		
MB 460-88747/10		7471A, 7471A		0.60 g	100 mL				
LCSSRM 460-88747/11		7471A, 7471A		0.60 g	100 mL			0.6 g	
460-31914-A-14 DU		7471A, 7471A	T	0.60 g	100 mL				
460-31914-E-14 MS		7471A, 7471A	T	0.60 g	100 mL	1 mL			
460-32010-D-5	SO-17338-092811- MM-091	7471A, 7471A	T	0.64 g	100 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR01382
Balance ID	#35
Batch Comment	Autoclave Pressure 15 LBS
Sulfuric Acid Lot Number	K03051
Lot # of hydrochloric acid	HgR01380
Lot # of Nitric Acid	K15028
Hood ID or number	#1
Potassium Permanganate Lot Number	HgR01379
NaCL Lot #	HgR01382
Oven, Bath or Block Temperature 1	Autoclave temperatue 121 Degrees Celcius
Pipette ID	#25
Stannous Chloride Lot Number	HgR01381
ID number of the thermometer	Prep-1

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-32010-1
SDG No.: _____
Project: GM Wilmington

Client Sample ID	Lab Sample ID
SO-17338-092811-MM-087	460-32010-1
SO-17338-092811-MM-088	460-32010-2
SO-17338-092811-MM-089	460-32010-3
SO-17338-092811-MM-090	460-32010-4
SO-17338-092811-MM-091	460-32010-5
SO-17338-092811-MM-092	460-32010-6
SO-17338-092811-MM-093	460-32010-7
SO-17338-092811-MM-094	460-32010-8
SO-17338-092811-MM-095	460-32010-9
SO-17338-092811-MM-096	460-32010-10
SO-17338-092811-MM-097	460-32010-11
SO-17338-092811-MM-098	460-32010-12

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-32010-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 02/15/2007 17:07

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-32010-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/01/2007 16:49

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		1	
Percent Solids		1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/06/2011 13:39 End Date: 10/06/2011 23:37

Lab Sample ID	D / F	T y p e	Time	Analytes															
				% S o l	M o i s t														
ZZZZZZ			13:39																
ZZZZZZ			13:39																
ZZZZZZ			13:39																
ZZZZZZ			13:39																
ZZZZZZ			13:39																
ZZZZZZ			13:39																
ZZZZZZ			13:39																
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ZZZZZZ			14:16																
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ZZZZZZ			14:16																
ZZZZZZ			14:16																
ZZZZZZ			14:16																
ZZZZZZ			14:16																
ZZZZZZ			14:16																
460-31956-A-7 MS	1	T	14:16	X	X														
ZZZZZZ			14:16																
ZZZZZZ			14:16																
ZZZZZZ			14:16																
ZZZZZZ			14:16																
ZZZZZZ			14:16																
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ZZZZZZ			15:18																
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ZZZZZZ			15:18																
ZZZZZZ			15:18																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/06/2011 13:39 End Date: 10/06/2011 23:37

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/06/2011 13:39 End Date: 10/06/2011 23:37

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/06/2011 13:39 End Date: 10/06/2011 23:37

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			23:37																		
ZZZZZZ			23:37																		
ZZZZZZ			23:37																		
ZZZZZZ			23:37																		
ZZZZZZ			23:37																		
ZZZZZZ			23:37																		
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ZZZZZZ			23:37																		
ZZZZZZ			23:37																		
ZZZZZZ			23:37																		
ZZZZZZ			23:37																		

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Batch Number: 88549 Batch Start Date: 10/06/11 13:39 Batch Analyst: Armbruster, ChrisBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-31956-A-7 MS		Moisture	T	416	1.02 g	3.46 g	3.45 g		
460-32010-D-1	SO-17338-092811-MM-087	Moisture	T	502	1.02 g	5.17 g	4.46 g		
460-32010-D-2	SO-17338-092811-MM-088	Moisture	T	503	1.01 g	5.49 g	4.81 g		
460-32010-D-3	SO-17338-092811-MM-089	Moisture	T	504	0.97 g	5.22 g	4.85 g		
460-32010-D-4	SO-17338-092811-MM-090	Moisture	T	505	1.00 g	5.60 g	4.66 g		
460-32010-D-4 DU	SO-17338-092811-MM-090	Moisture	T	506	1.02 g	5.19 g	4.40 g		
460-32010-D-5	SO-17338-092811-MM-091	Moisture	T	507	1.01 g	5.58 g	4.64 g		
460-32010-D-6	SO-17338-092811-MM-092	Moisture	T	508	0.99 g	5.22 g	4.60 g		
460-32010-D-7	SO-17338-092811-MM-093	Moisture	T	509	1.02 g	5.72 g	5.05 g		
460-32010-D-8	SO-17338-092811-MM-094	Moisture	T	510	1.00 g	5.44 g	4.95 g		
460-32010-D-9	SO-17338-092811-MM-095	Moisture	T	511	1.00 g	5.03 g	4.32 g		
460-32010-D-10	SO-17338-092811-MM-096	Moisture	T	512	1.00 g	5.84 g	5.31 g		
460-32010-D-11	SO-17338-092811-MM-097	Moisture	T	513	0.98 g	5.12 g	4.36 g		
460-32010-D-12	SO-17338-092811-MM-098	Moisture	T	514	0.98 g	5.72 g	4.78 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	10/6/11
Oven Temp when samples are put in oven	104, 105 Degrees C
Date samples were removed from oven	10/7/11
Oven Temp when samples removed from oven	100, 99 Degrees C
Time Samples were removed from oven	10:00
Oven ID	1, 2
ID number of the thermometer	1895, 1840

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-32010-1

SDG No.: _____

Batch Number: 88549 Batch Start Date: 10/06/11 13:39 Batch Analyst: Armbruster, ChrisBatch Method: Moisture Batch End Date: _____

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

TestAmerica

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page ____ of ____

Name (for report and invoice) MOIS BOSTON		Samplers Name (Printed) M. MYLETT		Site/Project Identification FORNASE CMA	
Company CMA		P. O. #		State (Location of site): N: ☐ NY: ☐ Other: DE	
Address		Analysis Turnaround Time Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program: DUNEC	
City	State	LAB USE ONLY Project No:		Job No: 32010	
Phone	Fax 716-856-2142	Sample Identification		Sample Numbers	
Date		Time	Matrix	No. of Cont.	
SO-17338-092811-MM-087		0945	Soil	3	
SO-17338-092811-MM-088		1000		3	
SO-17338-092811-MM-089		1035		3	
SO-17338-092811-MM-090		1105		3	
SO-17338-092811-MM-091		1140		3	
SO-17338-092811-MM-092		1250		3	
SO-17338-092811-MM-093		1215		3	
SO-17338-092811-MM-094		1315		3	
SO-17338-092811-MM-095		1400		3	
SO-17338-092811-MM-096		1450		3	
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH		Soil:			
6 = Other		Water:			
7 = Other					

Special Instructions: HBAO ALL SAMPLES

Water Metals Filtered (Yes/No)?

Relinquished by [Signature]	Company CMA	Date / Time 9/28/11 16:20	Received by [Signature]	Company DUNEC-SILS
Relinquished by [Signature]	Company DUNEC-SILS	Date / Time 10/3/11 11:19	Received by [Signature]	Company TA
Relinquished by [Signature]	Company TA	Date / Time 10/3/11 17:00	Received by [Signature]	Company TA
Relinquished by [Signature]	Company TA	Date / Time 10/3/11	Received by [Signature]	Company TA

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132),
Massachusetts (M-NJ312), North Carolina (No. 578)

2.7 28 2830

TAL - 0016 (0408)

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page ____ of ____

Special Instructions HOLD ALL SIMPLIS

Water Metals Filtered (Yes/No)?

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132)

TAL - 0016 (0408)

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-32010-1

Login Number: 32010

List Source: TestAmerica Edison

List Number: 1

Creator: McClain, Mark A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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	2.7 IR# 50
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	