

ANALYTICAL REPORT

Job Number: 460-31328-1

Job Description: Former GM

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



Approved for release.
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Project Manager I
10/26/2011 8:13 PM

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10/26/2011

cc: Mr. Greg Carli

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Table of Contents

Cover Title Page	1
Data Summaries	6
Report Narrative	6
Sample Summary	8
Executive Summary	9
Method Summary	11
Method / Analyst Summary	12
Sample Datasheets	13
Surrogate Summary	30
QC Data Summary	33
Data Qualifiers	64
QC Association Summary	65
Lab Chronicle	69
Organic Sample Data	74
GC/MS VOA	74
Method 8260 DEL	74
Method 8260 DEL QC Summary	75
Method 8260 DEL Sample Data	86
Standards Data	90
Method 8260 DEL ICAL Data	90
Method 8260 DEL CCAL Data	126
Raw QC Data	140
Method 8260 DEL Tune Data	140
Method 8260 DEL Blank Data	148
Method 8260 DEL LCS/LCSD Data	152
Method 8260 DEL MS/MSD Data	158

Table of Contents

Method 8260 DEL Run Logs	170
Method 8260 DEL Prep Data	172
GC/MS Semi VOA	176
Method 8270 DEL	176
Method 8270 DEL QC Summary	177
Method 8270 DEL Sample Data	189
Standards Data	200
Method 8270 DEL ICAL Data	200
Method 8270 DEL CCAL Data	229
Raw QC Data	243
Method 8270 DEL Tune Data	243
Method 8270 DEL Blank Data	251
Method 8270 DEL LCS/LCSD Data	259
Method 8270 DEL MS/MSD Data	266
Method 8270 DEL Run Logs	280
Method 8270 DEL Prep Data	283
GC Semi VOA	286
Method 8082 - Delaware	286
Method 8082 - Delaware QC Summary	287
Method 8082 - Delaware Sample Data	300
Standards Data	306
Method 8082 - Delaware ICAL Data	306
Method 8082 - Delaware CCAL Data	405
Raw QC Data	426
Method 8082 - Delaware Blank Data	426
Method 8082 - Delaware LCS/LCSD Data	444

Table of Contents

Method 8082 - Delaware MS/MSD Data	455
Method 8082 - Delaware Run Logs	478
Method 8082 - Delaware Prep Data	481
Inorganic Sample Data	486
Metals Data	486
Met Cover Page	487
Met Sample Data	488
Met QC Data	490
Met ICV/CCV	490
Met Blanks	495
Met ICSA/ICSAB	502
Met MS/MSD/PDS	504
Met Dup/Trip	507
Met LCS/LCSD	509
Met Serial Dilution	512
Met MDL	515
Met Linear Ranges	519
Met Preparation Log	520
Met Analysis Run Log	523
Met Raw Data	533
Met Prep Data	869
General Chemistry Data	873
Gen Chem Cover Page	874
Gen Chem MDL	875
Gen Chem Analysis Run Log	877
Gen Chem Prep Data	882

Table of Contents

Shipping and Receiving Documents	883
Client Chain of Custody	884
Sample Receipt Checklist	885

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: Former GM

Report Number: 460-31328-1

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 09/19/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.1 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

Samples 460-31328-5 and 460-31328-7 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/28/2011.

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.

Samples 460-31328-5(4X) and 460-31328-7(4X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The matrix duplicate %RPD for Iron associated with batch 87517 was outside the control limits due to non homogeneity of the sample. The matrix spike (MS) recovery for batch 87517 was outside control limits for Aluminum. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples 460-31328-5 and 460-31328-7 were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 09/22/2011 and 09/23/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample 460-31328-5 was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared and analyzed on 09/28/2011.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample 460-31328-7 was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 09/24/2011 and analyzed on 09/27/2011.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 87364 were outside control limits for Chloroethane. The associated laboratory control sample (LCS) recovery met acceptance criteria. 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 volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample 460-31328-5 was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/28/2011 and analyzed on 09/30/2011.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 87558 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples 460-31328-1 through 460-31328-8 were analyzed for percent solids in accordance with ASTM D2974-87 Modified. The samples were analyzed on 09/21/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-31328-1	SO-17338-091511-MM-011	Solid	09/15/2011 0920	09/19/2011 1500
460-31328-2	SO-17338-091511-MM-012	Solid	09/15/2011 0930	09/19/2011 1500
460-31328-3	SO-17338-091511-MM-013	Solid	09/15/2011 1020	09/19/2011 1500
460-31328-4	SO-17338-091511-MM-014	Solid	09/15/2011 1030	09/19/2011 1500
460-31328-5	SO-17338-091511-MM-015	Solid	09/15/2011 1110	09/19/2011 1500
460-31328-6	SO-17338-091511-MM-016	Solid	09/15/2011 1115	09/19/2011 1500
460-31328-7	SO-17338-091511-MM-017	Solid	09/15/2011 1315	09/19/2011 1500
460-31328-8	SO-17338-091511-MM-018	Solid	09/15/2011 1445	09/19/2011 1500

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-31328-1	SO-17338-091511-MM-011					
Percent Moisture		9.0		1.0	%	Moisture
Percent Solids		91.0		1.0	%	Moisture
460-31328-2	SO-17338-091511-MM-012					
Percent Moisture		17.1		1.0	%	Moisture
Percent Solids		82.9		1.0	%	Moisture
460-31328-3	SO-17338-091511-MM-013					
Percent Moisture		11.4		1.0	%	Moisture
Percent Solids		88.6		1.0	%	Moisture
460-31328-4	SO-17338-091511-MM-014					
Percent Moisture		15.6		1.0	%	Moisture
Percent Solids		84.4		1.0	%	Moisture
460-31328-5	SO-17338-091511-MM-015					
Benzo[b]fluoranthene		12	J	38	ug/Kg	8270C
Benzo[a]pyrene		12	J	38	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		10	J	38	ug/Kg	8270C
Aluminum		19900		44.5	mg/Kg	6010B
Arsenic		3.5		1.1	mg/Kg	6010B
Barium		107		44.5	mg/Kg	6010B
Beryllium		0.49		0.45	mg/Kg	6010B
Calcium		856	J	1110	mg/Kg	6010B
Chromium		14.6		2.2	mg/Kg	6010B
Cobalt		5.7	J	11.1	mg/Kg	6010B
Copper		9.9		5.6	mg/Kg	6010B
Iron		17500		33.4	mg/Kg	6010B
Lead		23.4		1.1	mg/Kg	6010B
Magnesium		957	J	1110	mg/Kg	6010B
Manganese		145		3.3	mg/Kg	6010B
Nickel		10.1		8.9	mg/Kg	6010B
Potassium		497	J	1110	mg/Kg	6010B
Vanadium		31.1		11.1	mg/Kg	6010B
Zinc		25.9		6.7	mg/Kg	6010B
Percent Moisture		13.6		1.0	%	Moisture
Percent Solids		86.4		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-31328-6	SO-17338-091511-MM-016					
Percent Moisture		15.3		1.0	%	Moisture
Percent Solids		84.7		1.0	%	Moisture
460-31328-7	SO-17338-091511-MM-017					
Aluminum		33100		43.9	mg/Kg	6010B
Arsenic		1.9		1.1	mg/Kg	6010B
Barium		137		43.9	mg/Kg	6010B
Beryllium		0.26	J	0.44	mg/Kg	6010B
Calcium		499	J	1100	mg/Kg	6010B
Chromium		136		2.2	mg/Kg	6010B
Cobalt		4.9	J	11.0	mg/Kg	6010B
Copper		21.1		5.5	mg/Kg	6010B
Iron		13100		32.9	mg/Kg	6010B
Lead		16.6		1.1	mg/Kg	6010B
Magnesium		1420		1100	mg/Kg	6010B
Manganese		68.5		3.3	mg/Kg	6010B
Nickel		31.8		8.8	mg/Kg	6010B
Potassium		496	J	1100	mg/Kg	6010B
Vanadium		70.7		11.0	mg/Kg	6010B
Zinc		33.7		6.6	mg/Kg	6010B
Percent Moisture		13.3		1.0	%	Moisture
Percent Solids		86.7		1.0	%	Moisture
460-31328-8	SO-17338-091511-MM-018					
Percent Moisture		13.4		1.0	%	Moisture
Percent Solids		86.6		1.0	%	Moisture

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organics (GC/MS)	TAL EDI	SW846 8260B	
Closed System Purge and Trap	TAL EDI		SW846 5035
Semivolatile Organics (GC/MS)	TAL EDI	SW846 8270C	
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: 460-31328-1

Method	Analyst	Analyst ID
SW846 8260B	Boykin, Kenneth	KB
SW846 8270C	Asfaw, Abebaye A.	AAA
SW846 8082	Damarapu, Shanthi	SD
SW846 6010B	Chang, Churn Der	CDC
SW846 7471A	Sheikh, Razia B	RBS
SW846 7471A	Staib, Thomas	TS
EPA Moisture	Armbruster, Chris	CHA

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Client Sample ID: SO-17338-091511-MM-017

Lab Sample ID: 460-31328-7

Date Sampled: 09/15/2011 1315

Client Matrix: Solid

% Moisture: 13.3

Date Received: 09/19/2011 1500

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-87364	Instrument ID:	VOAMS8
Prep Method:	5035	Prep Batch:	460-87208	Lab File ID:	j03982.d
Dilution:	50			Initial Weight/Volume:	15.05 g
Analysis Date:	09/27/2011 0337			Final Weight/Volume:	25 mL
Prep Date:	09/24/2011 1446				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		96	U	24	96
Benzene		96	U	11	96
cis-1,3-Dichloropropene		96	U	9.8	96
Carbon disulfide		96	U	14	96
Bromoform		96	U	9.5	96
Tetrachloroethene		96	U	19	96
1,1-Dichloroethane		96	U	9.6	96
1,2-Dichloroethane		96	U	24	96
1,2-Dichloropropane		96	U	8.4	96
1,1,2-Trichloroethane		96	U	9.3	96
Acetone		960	U	240	960
Methyl acetate		190	U	31	190
Dichlorodifluoromethane		96	U	27	96
4-Methyl-2-pentanone (MIBK)		960	U	65	960
1,1,2-Trichloro-1,2,2-trifluoroethane		96	U	28	96
Methylene Chloride		96	U	18	96
Chloromethane		96	U	20	96
Bromomethane		96	U	30	96
Chlorodibromomethane		96	U	9.6	96
Toluene		96	U	9.1	96
1,2,4-Trichlorobenzene		96	U	42	96
Chlorobenzene		96	U	16	96
1,2-Dibromo-3-Chloropropane		96	U	15	96
1,3-Dichlorobenzene		96	U	22	96
Methyl tert-butyl ether		96	U	18	96
Styrene		96	U	13	96
trans-1,2-Dichloroethene		96	U	13	96
1,1,2,2-Tetrachloroethane		96	U	8.3	96
Chloroethane		96	U	43	96
1,1-Dichloroethene		96	U	13	96
1,2-Dichlorobenzene		96	U	16	96
Trichloroethene		96	U	17	96
2-Hexanone		960	U	52	960
2-Butanone (MEK)		960	U	79	960
Ethylbenzene		96	U	24	96
Isopropylbenzene		96	U	20	96
Methylcyclohexane		96	U	7.7	96
Trichlorofluoromethane		96	U	15	96
Xylenes, Total		290	U	42	290
Cyclohexane		96	U	12	96
trans-1,3-Dichloropropene		96	U	12	96
cis-1,2-Dichloroethene		96	U	19	96
Chloroform		96	U	15	96
Vinyl chloride		96	U	11	96
Ethylene Dibromide		96	U	8.7	96
Carbon tetrachloride		96	U	17	96

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Client Sample ID: SO-17338-091511-MM-017

Lab Sample ID: 460-31328-7

Date Sampled: 09/15/2011 1315

Client Matrix: Solid

% Moisture: 13.3

Date Received: 09/19/2011 1500

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-87364	Instrument ID:	VOAMS8
Prep Method:	5035	Prep Batch:	460-87208	Lab File ID:	j03982.d
Dilution:	50			Initial Weight/Volume:	15.05 g
Analysis Date:	09/27/2011 0337			Final Weight/Volume:	25 mL
Prep Date:	09/24/2011 1446				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,4-Dichlorobenzene		96	U	14	96
Dichlorobromomethane		96	U	8.6	96

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		57 - 135
4-Bromofluorobenzene	106		50 - 124
Toluene-d8 (Surr)	97		46 - 130

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Client Sample ID: SO-17338-091511-MM-015

Lab Sample ID: 460-31328-5

Date Sampled: 09/15/2011 1110

Client Matrix: Solid

% Moisture: 13.6

Date Received: 09/19/2011 1500

8270C Semivolatile Organics (GC/MS)

Analysis Method: 8270C

Analysis Batch: 460-88069

Instrument ID: BNAMS11

Prep Method: 3541

Prep Batch: 460-87558

Lab File ID: z10415.d

Dilution: 1.0

Initial Weight/Volume: 15.01 g

Analysis Date: 09/30/2011 1622

Final Weight/Volume: 1 mL

Prep Date: 09/28/2011 1130

Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzaldehyde		380	U	24	380
Phenol		380	U	47	380
Bis(2-chloroethyl)ether		38	U	8.0	38
2-Chlorophenol		380	U	51	380
2-Methylphenol		380	U	55	380
2,2'-oxybis[1-chloropropane]		380	U	50	380
Acetophenone		380	U	57	380
4-Methylphenol		380	U	63	380
N-Nitrosodi-n-propylamine		38	U	5.1	38
Hexachloroethane		38	U	6.5	38
Nitrobenzene		38	U	8.6	38
Isophorone		380	U	44	380
2-Nitrophenol		380	U	63	380
2,4-Dimethylphenol		380	U	61	380
Bis(2-chloroethoxy)methane		380	U	55	380
2,4-Dichlorophenol		380	U	61	380
Naphthalene		380	U	56	380
4-Chloroaniline		380	U	48	380
Hexachlorobutadiene		77	U	15	77
Caprolactam		380	U	53	380
4-Chloro-3-methylphenol		380	U	64	380
2-Methylnaphthalene		380	U	56	380
Hexachlorocyclopentadiene		380	U	110	380
2,4,6-Trichlorophenol		380	U	68	380
2,4,5-Trichlorophenol		380	U	74	380
1,1'-Biphenyl		380	U	63	380
2-Chloronaphthalene		380	U	54	380
2-Nitroaniline		770	U	100	770
Dimethyl phthalate		380	U	52	380
2,6-Dinitrotoluene		77	U	9.7	77
Acenaphthylene		380	U	55	380
3-Nitroaniline		770	U	87	770
Acenaphthene		380	U	54	380
2,4-Dinitrophenol		1200	U	81	1200
4-Nitrophenol		1200	U	98	1200
Dibenzofuran		380	U	57	380
2,4-Dinitrotoluene		77	U	11	77
Diethyl phthalate		380	U	51	380
Fluorene		380	U	65	380
4-Chlorophenyl phenyl ether		380	U	66	380
4-Nitroaniline		770	U	79	770
4,6-Dinitro-2-methylphenol		1200	U	180	1200
N-Nitrosodiphenylamine		380	U	62	380
4-Bromophenyl phenyl ether		380	U	68	380
Hexachlorobenzene		38	U	5.3	38
Atrazine		380	U	71	380

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Client Sample ID: SO-17338-091511-MM-015

Lab Sample ID: 460-31328-5

Date Sampled: 09/15/2011 1110

Client Matrix: Solid

% Moisture: 13.6

Date Received: 09/19/2011 1500

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-88069	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-87558	Lab File ID:	z10415.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	09/30/2011 1622			Final Weight/Volume:	1 mL
Prep Date:	09/28/2011 1130			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		1200	U	190	1200
Phenanthrene		380	U	67	380
Anthracene		380	U	68	380
Carbazole		380	U	61	380
Di-n-butyl phthalate		380	U	59	380
Fluoranthene		380	U	64	380
Pyrene		380	U	66	380
Butyl benzyl phthalate		380	U	45	380
3,3'-Dichlorobenzidine		770	U	85	770
Benzo[a]anthracene		38	U	7.1	38
Chrysene		380	U	56	380
Bis(2-ethylhexyl) phthalate		380	U	51	380
Di-n-octyl phthalate		380	U	45	380
Benzo[b]fluoranthene		12	J	5.7	38
Benzo[k]fluoranthene		38	U	5.4	38
Benzo[a]pyrene		12	J	4.7	38
Indeno[1,2,3-cd]pyrene		10	J	6.1	38
Dibenz(a,h)anthracene		38	U	4.6	38
Benzo[g,h,i]perylene		380	U	40	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	52		10 - 120
2-Fluorobiphenyl	79		40 - 109
2-Fluorophenol (Surr)	72		37 - 125
Nitrobenzene-d5 (Surr)	80		38 - 105
Phenol-d5 (Surr)	73		41 - 118
Terphenyl-d14 (Surr)	85		16 - 151

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Client Sample ID: SO-17338-091511-MM-015

Lab Sample ID: 460-31328-5

Date Sampled: 09/15/2011 1110

Client Matrix: Solid

% Moisture: 13.6

Date Received: 09/19/2011 1500

8270C Semivolatile Organics (GC/MS)

Analysis Method: 8270C

Analysis Batch: 460-88069

Instrument ID: BNAMS11

Prep Method: 3541

Prep Batch: 460-87558

Lab File ID: z10415.d

Dilution: 1.0

Initial Weight/Volume: 15.01 g

Analysis Date: 09/30/2011 1622

Final Weight/Volume: 1 mL

Prep Date: 09/28/2011 1130

Injection Volume:

Tentatively Identified Compounds

Number TIC's Found: 0

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Client Sample ID: SO-17338-091511-MM-015

Lab Sample ID: 460-31328-5

Date Sampled: 09/15/2011 1110

Client Matrix: Solid

% Moisture: 13.6

Date Received: 09/19/2011 1500

8082 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082	Analysis Batch:	460-87694	Instrument ID:	PESTGC7
Prep Method:	3541	Prep Batch:	460-87509	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/28/2011 1206			Injection Volume:	
Prep Date:	09/28/2011 0342			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		77	U	15	77
PCB-1221		77	U	23	77
PCB-1232		77	U	44	77
PCB-1242		77	U	15	77
PCB-1248		77	U	21	77
PCB-1254		77	U	26	77
PCB-1260		77	U	8.6	77

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		30 - 150

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Client Sample ID: SO-17338-091511-MM-015

Lab Sample ID: 460-31328-5

Date Sampled: 09/15/2011 1110

Client Matrix: Solid

% Moisture: 13.6

Date Received: 09/19/2011 1500

8082 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method: 8082

Analysis Batch: 460-87694

Instrument ID: PESTGC7

Prep Method: 3541

Prep Batch: 460-87509

Initial Weight/Volume: 15.04 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/28/2011 1206

Injection Volume:

Prep Date: 09/28/2011 0342

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		30 - 150

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Client Sample ID: SO-17338-091511-MM-015

Lab Sample ID: 460-31328-5

Date Sampled: 09/15/2011 1110

Client Matrix: Solid

% Moisture: 13.6

Date Received: 09/19/2011 1500

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 460-87665

Instrument ID: ICP4

Prep Method: 3050B

Prep Batch: 460-87517

Lab File ID: 09282011A.asc

Dilution: 4.0

Initial Weight/Volume: 1.04 g

Analysis Date: 09/28/2011 2119

Final Weight/Volume: 50 mL

Prep Date: 09/28/2011 0759

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		19900		16.3	44.5
Antimony		2.2	U	0.98	2.2
Arsenic		3.5		0.77	1.1
Barium		107		1.3	44.5
Beryllium		0.49		0.20	0.45
Cadmium		1.1	U	0.17	1.1
Calcium		856	J	29.3	1110
Chromium		14.6		1.3	2.2
Cobalt		5.7	J	1.4	11.1
Copper		9.9		0.91	5.6
Iron		17500		11.8	33.4
Lead		23.4		0.56	1.1
Magnesium		957	J	11.8	1110
Manganese		145		1.3	3.3
Nickel		10.1		0.60	8.9
Potassium		497	J	50.2	1110
Selenium		2.2	U	1.0	2.2
Silver		2.2	U	0.17	2.2
Sodium		1110	U	68.3	1110
Thallium		2.2	U	1.1	2.2
Vanadium		31.1		0.58	11.1
Zinc		25.9		1.1	6.7

7471A Mercury (CVAA)

Analysis Method: 7471A

Analysis Batch: 460-87040

Instrument ID: LEEMAN3

Prep Method: 7471A

Prep Batch: 460-87024

Lab File ID: 092211.PRN

Dilution: 1.0

Initial Weight/Volume: 0.62 g

Analysis Date: 09/22/2011 2230

Final Weight/Volume: 100 mL

Prep Date: 09/22/2011 1730

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.037	U	0.025	0.037

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Client Sample ID: SO-17338-091511-MM-017

Lab Sample ID: 460-31328-7

Date Sampled: 09/15/2011 1315

Client Matrix: Solid

% Moisture: 13.3

Date Received: 09/19/2011 1500

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-87665	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-87517	Lab File ID:	09282011A.asc
Dilution:	4.0			Initial Weight/Volume:	1.05 g
Analysis Date:	09/28/2011 2123			Final Weight/Volume:	50 mL
Prep Date:	09/28/2011 0759				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		33100		16.1	43.9
Antimony		2.2	U	0.97	2.2
Arsenic		1.9		0.76	1.1
Barium		137		1.3	43.9
Beryllium		0.26	J	0.19	0.44
Cadmium		1.1	U	0.17	1.1
Calcium		499	J	28.9	1100
Chromium		136		1.3	2.2
Cobalt		4.9	J	1.3	11.0
Copper		21.1		0.90	5.5
Iron		13100		11.7	32.9
Lead		16.6		0.55	1.1
Magnesium		1420		11.6	1100
Manganese		68.5		1.2	3.3
Nickel		31.8		0.59	8.8
Potassium		496	J	49.6	1100
Selenium		2.2	U	1.0	2.2
Silver		2.2	U	0.17	2.2
Sodium		1100	U	67.4	1100
Thallium		2.2	U	1.1	2.2
Vanadium		70.7		0.57	11.0
Zinc		33.7		1.1	6.6

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-87150	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-87088	Lab File ID:	87088hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	09/23/2011 1511			Final Weight/Volume:	100 mL
Prep Date:	09/23/2011 1023				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.037	U	0.025	0.037

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

General Chemistry**Client Sample ID:** SO-17338-091511-MM-011

Lab Sample ID: 460-31328-1

Date Sampled: 09/15/2011 0920

Client Matrix: Solid

Date Received: 09/19/2011 1500

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809	Analysis Date: 09/21/2011 1351					DryWt Corrected: N
Percent Solids	91.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809	Analysis Date: 09/21/2011 1351					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

General Chemistry**Client Sample ID:** SO-17338-091511-MM-012

Lab Sample ID: 460-31328-2

Date Sampled: 09/15/2011 0930

Client Matrix: Solid

Date Received: 09/19/2011 1500

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809	Analysis Date: 09/21/2011 1351					DryWt Corrected: N
Percent Solids	82.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809	Analysis Date: 09/21/2011 1351					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

General Chemistry**Client Sample ID:** SO-17338-091511-MM-013

Lab Sample ID: 460-31328-3

Date Sampled: 09/15/2011 1020

Client Matrix: Solid

Date Received: 09/19/2011 1500

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809		Analysis Date: 09/21/2011 1351				DryWt Corrected: N
Percent Solids	88.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809		Analysis Date: 09/21/2011 1351				DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

General Chemistry**Client Sample ID:** SO-17338-091511-MM-014

Lab Sample ID: 460-31328-4

Date Sampled: 09/15/2011 1030

Client Matrix: Solid

Date Received: 09/19/2011 1500

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809	Analysis Date: 09/21/2011 1351					DryWt Corrected: N
Percent Solids	84.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809	Analysis Date: 09/21/2011 1351					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

General Chemistry

Client Sample ID: SO-17338-091511-MM-015

Lab Sample ID: 460-31328-5

Date Sampled: 09/15/2011 1110

Client Matrix: Solid

Date Received: 09/19/2011 1500

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809	Analysis Date: 09/21/2011 1351					DryWt Corrected: N
Percent Solids	86.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809	Analysis Date: 09/21/2011 1351					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

General Chemistry

Client Sample ID: SO-17338-091511-MM-016

Lab Sample ID: 460-31328-6

Date Sampled: 09/15/2011 1115

Client Matrix: Solid

Date Received: 09/19/2011 1500

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809		Analysis Date: 09/21/2011 1351				DryWt Corrected: N
Percent Solids	84.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809		Analysis Date: 09/21/2011 1351				DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

General Chemistry**Client Sample ID:** SO-17338-091511-MM-017

Lab Sample ID: 460-31328-7

Date Sampled: 09/15/2011 1315

Client Matrix: Solid

Date Received: 09/19/2011 1500

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809		Analysis Date: 09/21/2011 1351				DryWt Corrected: N
Percent Solids	86.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809		Analysis Date: 09/21/2011 1351				DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

General Chemistry

Client Sample ID: SO-17338-091511-MM-018

Lab Sample ID: 460-31328-8

Date Sampled: 09/15/2011 1445

Client Matrix: Solid

Date Received: 09/19/2011 1500

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809	Analysis Date: 09/21/2011 1351					DryWt Corrected: N
Percent Solids	86.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-86809	Analysis Date: 09/21/2011 1351					DryWt Corrected: N

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Surrogate Recovery Report**8260B Volatile Organics (GC/MS)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-31328-7	SO-17338-091511-M M-017	100	97	106
MB 460-87364/4		92	91	105
LCS 460-87364/3		104	99	103
460-31328-7 MS	SO-17338-091511-M M-017 MS	104	98	104
460-31328-7 MSD	SO-17338-091511-M M-017 MSD	103	97	108

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	57-135
TOL = Toluene-d8 (Surr)	46-130
BFB = 4-Bromofluorobenzene	50-124

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Surrogate Recovery Report

8270C Semivolatile Organics (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-31328-5	SO-17338-091511-M M-015	72	73	80	79	52	85
MB 460-87558/1-A		74	75	81	80	57	83
LCS 460-87558/2-A		74	75	82	83	88	80
460-31328-5 MS	SO-17338-091511-M M-015 MS	73	74	83	85	81	78
460-31328-5 MSD	SO-17338-091511-M M-015 MSD	72	74	81	84	82	82

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	37-125
PHL = Phenol-d5 (Surr)	41-118
NBZ = Nitrobenzene-d5 (Surr)	38-105
FBP = 2-Fluorobiphenyl	40-109
TBP = 2,4,6-Tribromophenol (Surr)	10-120
TPH = Terphenyl-d14 (Surr)	16-151

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

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

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-31328-5	SO-17338-091511-M M-015	87	80
MB 460-87509/1-A		115	106
LCS 460-87509/2-A		127	118
460-31328-5 MS	SO-17338-091511-M M-015 MS	106	96
460-31328-5 MSD	SO-17338-091511-M M-015 MSD	99	89

Surrogate

Acceptance Limits

DCB = DCB Decachlorobiphenyl

30-150

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-87208

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	460-31328-7	Analysis Batch:	460-87364	Instrument ID:	VOAMS8
Client Matrix:	Solid	Prep Batch:	460-87208	Lab File ID:	j03979.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	15.05 g
Analysis Date:	09/27/2011 0222			Final Weight/Volume:	25 mL
Prep Date:	09/24/2011 1446				
Leach Date:	N/A				

MSD Lab Sample ID:	460-31328-7	Analysis Batch:	460-87364	Instrument ID:	VOAMS8
Client Matrix:	Solid	Prep Batch:	460-87208	Lab File ID:	j03980.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	15.05 g
Analysis Date:	09/27/2011 0248			Final Weight/Volume:	25 mL
Prep Date:	09/24/2011 1446				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	94	96	78 - 118	2	30		
Benzene	91	89	71 - 118	2	30		
cis-1,3-Dichloropropene	93	92	75 - 120	1	30		
Carbon disulfide	76	79	70 - 120	4	30		
Bromoform	96	92	76 - 133	5	30		
Tetrachloroethene	94	97	78 - 136	3	30		
1,1-Dichloroethane	90	93	79 - 119	3	30		
1,2-Dichloroethane	105	103	81 - 121	3	30		
1,2-Dichloropropane	100	98	78 - 118	2	30		
1,1,2-Trichloroethane	90	86	77 - 120	4	30		
Acetone	99	83	48 - 177	18	30		
Methyl acetate	73	75	72 - 165	2	30		
Dichlorodifluoromethane	78	82	41 - 149	4	30		
4-Methyl-2-pentanone (MIBK)	85	84	69 - 124	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	94	90	50 - 128	4	30		
Methylene Chloride	92	89	78 - 118	3	30		
Chloromethane	89	93	52 - 144	4	30		
Bromomethane	61	62	58 - 164	1	30		
Chlorodibromomethane	94	95	78 - 118	1	30		
Toluene	95	95	79 - 136	0	30		
1,2,4-Trichlorobenzene	108	111	62 - 144	3	30		
Chlorobenzene	93	94	69 - 124	1	30		
1,2-Dibromo-3-Chloropropane	96	93	62 - 127	3	30		
1,3-Dichlorobenzene	95	95	83 - 123	1	30		
Methyl tert-butyl ether	89	90	65 - 143	0	30		
Styrene	98	97	73 - 126	0	30		
trans-1,2-Dichloroethene	89	93	73 - 119	5	30		
1,1,2,2-Tetrachloroethane	90	89	86 - 145	1	30		
Chloroethane	47	49	66 - 144	3	30	F	F
1,1-Dichloroethene	89	91	68 - 138	2	30		
1,2-Dichlorobenzene	96	100	83 - 123	5	30		
Trichloroethene	97	98	82 - 122	1	30		
2-Hexanone	90	81	62 - 123	11	30		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-87208

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	460-31328-7	Analysis Batch:	460-87364	Instrument ID:	VOAMS8
Client Matrix:	Solid	Prep Batch:	460-87208	Lab File ID:	j03979.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	15.05 g
Analysis Date:	09/27/2011 0222			Final Weight/Volume:	25 mL
Prep Date:	09/24/2011 1446				
Leach Date:	N/A				

MSD Lab Sample ID:	460-31328-7	Analysis Batch:	460-87364	Instrument ID:	VOAMS8
Client Matrix:	Solid	Prep Batch:	460-87208	Lab File ID:	j03980.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	15.05 g
Analysis Date:	09/27/2011 0248			Final Weight/Volume:	25 mL
Prep Date:	09/24/2011 1446				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
2-Butanone (MEK)	85	83	70 - 139	3	30		
Ethylbenzene	97	96	78 - 124	1	30		
Isopropylbenzene	100	100	80 - 143	1	30		
Methylcyclohexane	99	93	80 - 134	6	30		
Trichlorofluoromethane	81	80	60 - 148	2	30		
Cyclohexane	94	97	69 - 128	3	30		
trans-1,3-Dichloropropene	92	93	73 - 118	1	30		
cis-1,2-Dichloroethene	94	94	78 - 118	0	30		
Chloroform	94	93	81 - 122	1	30		
Vinyl chloride	100	107	55 - 154	6	30		
Ethylene Dibromide	96	92	76 - 120	3	30		
Carbon tetrachloride	100	98	64 - 130	3	30		
1,4-Dichlorobenzene	108	106	84 - 124	2	30		
Dichlorobromomethane	100	102	78 - 118	2	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	104		103	57 - 135			
4-Bromofluorobenzene	104		108	50 - 124			
Toluene-d8 (Surr)	98		97	46 - 130			

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-87208

Method: 8260B
Preparation: 5035

MS Lab Sample ID: 460-31328-7 Units: ug/Kg
Client Matrix: Solid
Dilution: 50
Analysis Date: 09/27/2011 0222
Prep Date: 09/24/2011 1446
Leach Date: N/A

MSD Lab Sample ID: 460-31328-7
Client Matrix: Solid
Dilution: 50
Analysis Date: 09/27/2011 0248
Prep Date: 09/24/2011 1446
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	96	U	1920	1920	1800	1840
Benzene	96	U	1920	1920	1740	1700
cis-1,3-Dichloropropene	96	U	1920	1920	1770	1760
Carbon disulfide	96	U	1920	1920	1450	1520
Bromoform	96	U	1920	1920	1840	1760
Tetrachloroethene	96	U	1920	1920	1810	1860
1,1-Dichloroethane	96	U	1920	1920	1720	1780
1,2-Dichloroethane	96	U	1920	1920	2020	1970
1,2-Dichloropropane	96	U	1920	1920	1910	1880
1,1,2-Trichloroethane	96	U	1920	1920	1710	1650
Acetone	960	U	1920	1920	1900	1580
Methyl acetate	190	U	1920	1920	1400	1430
Dichlorodifluoromethane	96	U	1920	1920	1500	1560
4-Methyl-2-pentanone (MIBK)	960	U	1920	1920	1620	1600
1,1,2-Trichloro-1,2,2-trifluoroethane	96	U	1920	1920	1790	1730
Methylene Chloride	96	U	1920	1920	1760	1700
Chloromethane	96	U	1920	1920	1710	1780
Bromomethane	96	U	1920	1920	1170	1180
Chlorodibromomethane	96	U	1920	1920	1800	1820
Toluene	96	U	1920	1920	1820	1820
1,2,4-Trichlorobenzene	96	U	1920	1920	2060	2130
Chlorobenzene	96	U	1920	1920	1780	1800
1,2-Dibromo-3-Chloropropane	96	U	1920	1920	1840	1780
1,3-Dichlorobenzene	96	U	1920	1920	1810	1830
Methyl tert-butyl ether	96	U	1920	1920	1710	1720
Styrene	96	U	1920	1920	1870	1860
trans-1,2-Dichloroethene	96	U	1920	1920	1710	1790
1,1,2,2-Tetrachloroethane	96	U	1920	1920	1720	1700
Chloroethane	96	U	1920	1920	907	F 934 F
1,1-Dichloroethene	96	U	1920	1920	1710	1740
1,2-Dichlorobenzene	96	U	1920	1920	1840	1930
Trichloroethene	96	U	1920	1920	1870	1880
2-Hexanone	960	U	1920	1920	1730	1540
2-Butanone (MEK)	960	U	1920	1920	1640	1600
Ethylbenzene	96	U	1920	1920	1860	1850
Isopropylbenzene	96	U	1920	1920	1920	1910
Methylcyclohexane	96	U	1920	1920	1890	1790
Trichlorofluoromethane	96	U	1920	1920	1560	1520
Cyclohexane	96	U	1920	1920	1800	1870
trans-1,3-Dichloropropene	96	U	1920	1920	1770	1780
cis-1,2-Dichloroethene	96	U	1920	1920	1800	1810
Chloroform	96	U	1920	1920	1810	1780
Vinyl chloride	96	U	1920	1920	1920	2050

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-87208**

**Method: 8260B
Preparation: 5035**

MS Lab Sample ID: 460-31328-7 Units: ug/Kg
Client Matrix: Solid
Dilution: 50
Analysis Date: 09/27/2011 0222
Prep Date: 09/24/2011 1446
Leach Date: N/A

MSD Lab Sample ID: 460-31328-7
Client Matrix: Solid
Dilution: 50
Analysis Date: 09/27/2011 0248
Prep Date: 09/24/2011 1446
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Ethylene Dibromide	96	U	1920	1920	1830	1770
Carbon tetrachloride	96	U	1920	1920	1920	1870
1,4-Dichlorobenzene	96	U	1920	1920	2070	2040
Dichlorobromomethane	96	U	1920	1920	1920	1960

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Method Blank - Batch: 460-87364

Method: 8260B Preparation: N/A

Lab Sample ID:	MB 460-87364/4	Analysis Batch:	460-87364	Instrument ID:	VOAMS8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	j03967.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.5 mL
Analysis Date:	09/26/2011 2100	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	100	U	25	100
Benzene	100	U	12	100
cis-1,3-Dichloropropene	100	U	10	100
Carbon disulfide	100	U	15	100
Bromoform	100	U	9.9	100
Tetrachloroethene	100	U	20	100
1,1-Dichloroethane	100	U	10	100
1,2-Dichloroethane	100	U	25	100
1,2-Dichloropropane	100	U	8.7	100
1,1,2-Trichloroethane	100	U	9.7	100
Acetone	1000	U	250	1000
Methyl acetate	200	U	33	200
Dichlorodifluoromethane	100	U	28	100
4-Methyl-2-pentanone (MIBK)	1000	U	68	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	29	100
Methylene Chloride	100	U	19	100
Chloromethane	100	U	21	100
Bromomethane	100	U	31	100
Chlorodibromomethane	100	U	10	100
Toluene	100	U	9.5	100
1,2,4-Trichlorobenzene	100	U	44	100
Chlorobenzene	100	U	17	100
1,2-Dibromo-3-Chloropropane	100	U	15	100
1,3-Dichlorobenzene	100	U	23	100
Methyl tert-butyl ether	100	U	19	100
Styrene	100	U	14	100
trans-1,2-Dichloroethene	100	U	14	100
1,1,2,2-Tetrachloroethane	100	U	8.6	100
Chloroethane	100	U	45	100
1,1-Dichloroethene	100	U	14	100
1,2-Dichlorobenzene	100	U	16	100
Trichloroethene	100	U	18	100
2-Hexanone	1000	U	55	1000
2-Butanone (MEK)	1000	U	82	1000
Ethylbenzene	100	U	25	100
Isopropylbenzene	100	U	21	100
Methylcyclohexane	100	U	8.0	100
Trichlorofluoromethane	100	U	16	100
Xylenes, Total	300	U	43	300
Cyclohexane	100	U	12	100
trans-1,3-Dichloropropene	100	U	12	100
cis-1,2-Dichloroethene	100	U	19	100
Chloroform	100	U	16	100
Vinyl chloride	100	U	12	100
Ethylene Dibromide	100	U	9.1	100

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Method Blank - Batch: 460-87364

Method: 8260B Preparation: N/A

Lab Sample ID:	MB 460-87364/4	Analysis Batch:	460-87364	Instrument ID:	VOAMS8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	j03967.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.5 mL
Analysis Date:	09/26/2011 2100	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Carbon tetrachloride	100	U	18	100
1,4-Dichlorobenzene	100	U	15	100
Dichlorobromomethane	100	U	9.0	100

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	57 - 135
4-Bromofluorobenzene	105	50 - 124
Toluene-d8 (Surr)	91	46 - 130

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Lab Control Sample - Batch: 460-87364

Method: 8260B

Preparation: N/A

Lab Sample ID:	LCS 460-87364/3	Analysis Batch:	460-87364	Instrument ID:	VOAMS8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	j03965.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.5 mL
Analysis Date:	09/26/2011 2010	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	2000	1980	99	78 - 118	
Benzene	2000	2010	101	71 - 118	
cis-1,3-Dichloropropene	2000	1980	99	75 - 120	
Carbon disulfide	2000	1860	93	70 - 120	
Bromoform	2000	1960	98	76 - 133	
Tetrachloroethene	2000	1880	94	78 - 136	
1,1-Dichloroethane	2000	2130	107	79 - 119	
1,2-Dichloroethane	2000	2110	106	81 - 121	
1,2-Dichloropropane	2000	1950	98	78 - 118	
1,1,2-Trichloroethane	2000	1910	95	77 - 120	
Acetone	2000	2750	137	48 - 177	
Methyl acetate	2000	1490	74	72 - 165	
Dichlorodifluoromethane	2000	1620	81	41 - 149	
4-Methyl-2-pentanone (MIBK)	2000	1950	97	69 - 124	
1,1,2-Trichloro-1,2,2-trifluoroethane	2000	2210	111	50 - 128	
Methylene Chloride	2000	2050	102	78 - 118	
Chloromethane	2000	1730	87	52 - 144	
Bromomethane	2000	1650	83	58 - 154	
Chlorodibromomethane	2000	1970	98	78 - 118	
Toluene	2000	1940	97	79 - 136	
1,2,4-Trichlorobenzene	2000	2210	110	62 - 144	
Chlorobenzene	2000	1850	92	69 - 124	
1,2-Dibromo-3-Chloropropane	2000	2150	107	62 - 127	
1,3-Dichlorobenzene	2000	2030	101	83 - 123	
Methyl tert-butyl ether	2000	2070	103	65 - 143	
Styrene	2000	1910	95	73 - 126	
trans-1,2-Dichloroethene	2000	2040	102	73 - 119	
1,1,2,2-Tetrachloroethane	2000	2070	103	86 - 145	
Chloroethane	2000	1830	92	66 - 144	
1,1-Dichloroethene	2000	2010	100	68 - 138	
1,2-Dichlorobenzene	2000	2040	102	83 - 123	
Trichloroethene	2000	2020	101	82 - 122	
2-Hexanone	2000	1830	91	62 - 123	
2-Butanone (MEK)	2000	1950	98	70 - 139	
Ethylbenzene	2000	1930	96	78 - 124	
Isopropylbenzene	2000	1940	97	80 - 143	
Methylcyclohexane	2000	2040	102	80 - 134	
Trichlorofluoromethane	2000	2100	105	60 - 148	
Cyclohexane	2000	2170	109	69 - 128	
trans-1,3-Dichloropropene	2000	1940	97	73 - 118	
cis-1,2-Dichloroethene	2000	2000	100	78 - 118	
Chloroform	2000	2050	103	81 - 122	
Vinyl chloride	2000	1890	95	55 - 154	
Ethylene Dibromide	2000	1930	97	76 - 120	
Carbon tetrachloride	2000	2020	101	64 - 130	
1,4-Dichlorobenzene	2000	2200	110	84 - 124	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Lab Control Sample - Batch: 460-87364

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 460-87364/3	Analysis Batch:	460-87364	Instrument ID:	VOAMS8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	j03965.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.5 mL
Analysis Date:	09/26/2011 2010	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorobromomethane	2000	1990	100	78 - 118	
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		104		57 - 135	
4-Bromofluorobenzene		103		50 - 124	
Toluene-d8 (Surr)		99		46 - 130	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Method Blank - Batch: 460-87558

Method: 8270C Preparation: 3541

Lab Sample ID: MB 460-87558/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/30/2011 1508
Prep Date: 09/28/2011 1130
Leach Date: N/A

Analysis Batch: 460-88069
Prep Batch: 460-87558
Leach Batch: N/A
Units: ug/Kg

Instrument ID: BNAMS11
Lab File ID: z10412.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Benzaldehyde	330	U	21	330
Phenol	330	U	41	330
Bis(2-chloroethyl)ether	33	U	6.9	33
2-Chlorophenol	330	U	44	330
2-Methylphenol	330	U	48	330
2,2'-oxybis[1-chloropropane]	330	U	43	330
Acetophenone	330	U	49	330
4-Methylphenol	330	U	54	330
N-Nitrosodi-n-propylamine	33	U	4.4	33
Hexachloroethane	33	U	5.6	33
Nitrobenzene	33	U	7.4	33
Isophorone	330	U	38	330
2-Nitrophenol	330	U	54	330
2,4-Dimethylphenol	330	U	53	330
Bis(2-chloroethoxy)methane	330	U	47	330
2,4-Dichlorophenol	330	U	53	330
Naphthalene	330	U	48	330
4-Chloroaniline	330	U	42	330
Hexachlorobutadiene	67	U	13	67
Caprolactam	330	U	45	330
4-Chloro-3-methylphenol	330	U	56	330
2-Methylnaphthalene	330	U	48	330
Hexachlorocyclopentadiene	330	U	97	330
2,4,6-Trichlorophenol	330	U	59	330
2,4,5-Trichlorophenol	330	U	64	330
1,1'-Biphenyl	330	U	55	330
2-Chloronaphthalene	330	U	47	330
2-Nitroaniline	670	U	91	670
Dimethyl phthalate	330	U	45	330
2,6-Dinitrotoluene	67	U	8.4	67
Acenaphthylene	330	U	47	330
3-Nitroaniline	670	U	75	670
Acenaphthene	330	U	47	330
2,4-Dinitrophenol	1000	U	70	1000
4-Nitrophenol	1000	U	85	1000
Dibenzofuran	330	U	50	330
2,4-Dinitrotoluene	67	U	9.7	67
Diethyl phthalate	330	U	44	330
Fluorene	330	U	56	330
4-Chlorophenyl phenyl ether	330	U	57	330
4-Nitroaniline	670	U	68	670
4,6-Dinitro-2-methylphenol	1000	U	160	1000
N-Nitrosodiphenylamine	330	U	54	330
4-Bromophenyl phenyl ether	330	U	59	330
Hexachlorobenzene	33	U	4.6	33

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Method Blank - Batch: 460-87558

Method: 8270C Preparation: 3541

Lab Sample ID: MB 460-87558/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/30/2011 1508
Prep Date: 09/28/2011 1130
Leach Date: N/A

Analysis Batch: 460-88069
Prep Batch: 460-87558
Leach Batch: N/A
Units: ug/Kg

Instrument ID: BNAMS11
Lab File ID: z10412.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Atrazine	330	U	62	330
Pentachlorophenol	1000	U	160	1000
Phenanthrene	330	U	58	330
Anthracene	330	U	58	330
Carbazole	330	U	53	330
Di-n-butyl phthalate	330	U	51	330
Fluoranthene	330	U	55	330
Pyrene	330	U	57	330
Butyl benzyl phthalate	330	U	39	330
3,3'-Dichlorobenzidine	670	U	73	670
Benzo[a]anthracene	33	U	6.1	33
Chrysene	330	U	48	330
Bis(2-ethylhexyl) phthalate	330	U	44	330
Di-n-octyl phthalate	330	U	39	330
Benzo[b]fluoranthene	33	U	4.9	33
Benzo[k]fluoranthene	33	U	4.6	33
Benzo[a]pyrene	33	U	4.1	33
Indeno[1,2,3-cd]pyrene	33	U	5.3	33
Dibenz(a,h)anthracene	33	U	4.0	33
Benzo[g,h,i]perylene	330	U	35	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	57	10 - 120
2-Fluorobiphenyl	80	40 - 109
2-Fluorophenol (Surr)	74	37 - 125
Nitrobenzene-d5 (Surr)	81	38 - 105
Phenol-d5 (Surr)	75	41 - 118
Terphenyl-d14 (Surr)	83	16 - 151

Method Blank TICs- Batch: 460-87558

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown Aldol Condensate	2.20	6700	A J

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Lab Control Sample - Batch: 460-87558

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-87558/2-A	Analysis Batch:	460-88069	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-87558	Lab File ID:	z10411.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	09/30/2011 1443	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/28/2011 1130			Injection Volume:	
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzaldehyde	3330	4480	134	10 - 160	
Phenol	6370	5120	80	54 - 115	
Bis(2-chloroethyl)ether	3330	2670	80	44 - 101	
2-Chlorophenol	6400	5270	82	56 - 110	
2-Methylphenol	6420	5310	83	54 - 117	
2,2'-oxybis[1-chloropropane]	3330	2610	78	45 - 102	
Acetophenone	3330	2620	79	40 - 95	
4-Methylphenol	6420	4590	72	47 - 103	
N-Nitrosodi-n-propylamine	3330	2700	81	42 - 107	
Hexachloroethane	3330	2600	78	45 - 90	
Nitrobenzene	3330	2720	82	42 - 106	
Isophorone	3330	2740	82	48 - 97	
2-Nitrophenol	6440	5690	88	55 - 101	
2,4-Dimethylphenol	6410	5310	83	56 - 112	
Bis(2-chloroethoxy)methane	3330	2820	85	51 - 100	
2,4-Dichlorophenol	6450	5400	84	58 - 115	
Naphthalene	3330	2730	82	53 - 94	
4-Chloroaniline	3330	1850	56	10 - 96	
Hexachlorobutadiene	3330	2850	85	45 - 98	
Caprolactam	3330	2070	62	10 - 127	
4-Chloro-3-methylphenol	6440	5340	83	55 - 117	
2-Methylnaphthalene	3330	2790	84	51 - 98	
Hexachlorocyclopentadiene	3330	2520	76	24 - 98	
2,4,6-Trichlorophenol	6490	5510	85	53 - 118	
2,4,5-Trichlorophenol	6490	5220	81	50 - 115	
1,1'-Biphenyl	3330	2790	84	50 - 105	
2-Chloronaphthalene	3330	2800	84	51 - 102	
2-Nitroaniline	3330	3330	100	51 - 109	
Dimethyl phthalate	3330	2850	86	52 - 112	
2,6-Dinitrotoluene	3330	2850	86	51 - 115	
Acenaphthylene	3330	2690	81	51 - 103	
3-Nitroaniline	3330	2040	61	32 - 104	
Acenaphthene	3330	2850	85	46 - 100	
2,4-Dinitrophenol	6660	1720	26	10 - 129	
4-Nitrophenol	6660	5660	85	45 - 114	
Dibenzofuran	3330	2790	84	52 - 106	
2,4-Dinitrotoluene	3330	2870	86	53 - 110	
Diethyl phthalate	3330	2800	84	52 - 114	
Fluorene	3330	2800	84	51 - 108	
4-Chlorophenyl phenyl ether	3330	2860	86	50 - 106	
4-Nitroaniline	3330	2640	79	45 - 106	
4,6-Dinitro-2-methylphenol	6670	3070	46	10 - 110	
N-Nitrosodiphenylamine	3330	2950	89	49 - 106	
4-Bromophenyl phenyl ether	3330	2940	88	44 - 102	
Hexachlorobenzene	3330	2990	90	43 - 104	
Atrazine	3330	2800	84	30 - 100	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Lab Control Sample - Batch: 460-87558

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-87558/2-A	Analysis Batch:	460-88069	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-87558	Lab File ID:	z10411.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	09/30/2011 1443	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/28/2011 1130			Injection Volume:	
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Pentachlorophenol	6670	5620	84	19 - 113	
Phenanthrene	3330	2810	84	48 - 108	
Anthracene	3330	2830	85	50 - 107	
Carbazole	3330	2830	85	49 - 104	
Di-n-butyl phthalate	3330	2840	85	50 - 108	
Fluoranthene	3330	3020	91	49 - 108	
Pyrene	3330	2740	82	49 - 116	
Butyl benzyl phthalate	3330	2900	87	49 - 117	
3,3'-Dichlorobenzidine	3330	2510	75	24 - 105	
Benzo[a]anthracene	3330	2900	87	46 - 112	
Chrysene	3330	2910	87	45 - 114	
Bis(2-ethylhexyl) phthalate	3330	2910	87	49 - 119	
Di-n-octyl phthalate	3330	2790	84	40 - 106	
Benzo[b]fluoranthene	3330	3060	92	33 - 96	
Benzo[k]fluoranthene	3330	2750	82	35 - 115	
Benzo[a]pyrene	3330	2860	86	36 - 89	
Indeno[1,2,3-cd]pyrene	3330	3190	96	43 - 109	
Dibenz(a,h)anthracene	3330	3150	95	43 - 107	
Benzo[g,h,i]perylene	3330	3150	95	43 - 106	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	88	10 - 120
2-Fluorobiphenyl	83	40 - 109
2-Fluorophenol (Surr)	74	37 - 125
Nitrobenzene-d5 (Surr)	82	38 - 105
Phenol-d5 (Surr)	75	41 - 118
Terphenyl-d14 (Surr)	80	16 - 151

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-87558

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	460-31328-5	Analysis Batch:	460-88069	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-87558	Lab File ID:	z10413.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	09/30/2011 1533			Final Weight/Volume:	1 mL
Prep Date:	09/28/2011 1130			Injection Volume:	
Leach Date:	N/A				

MSD Lab Sample ID:	460-31328-5	Analysis Batch:	460-88069	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-87558	Lab File ID:	z10414.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	09/30/2011 1558			Final Weight/Volume:	1 mL
Prep Date:	09/28/2011 1130			Injection Volume:	
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzaldehyde	82	81	10 - 160	1	30		
Phenol	78	79	54 - 115	2	30		
Bis(2-chloroethyl)ether	79	79	44 - 101	1	30		
2-Chlorophenol	80	81	56 - 110	1	30		
2-Methylphenol	81	81	54 - 117	0	30		
2,2'-oxybis[1-chloropropane]	78	78	45 - 102	1	30		
Acetophenone	79	79	40 - 95	0	30		
4-Methylphenol	68	70	47 - 103	3	30		
N-Nitrosodi-n-propylamine	83	79	42 - 107	4	30		
Hexachloroethane	78	77	45 - 90	1	30		
Nitrobenzene	80	80	42 - 106	0	30		
Isophorone	83	83	48 - 97	0	30		
2-Nitrophenol	85	84	55 - 101	2	30		
2,4-Dimethylphenol	77	79	56 - 112	2	30		
Bis(2-chloroethoxy)methane	84	84	51 - 100	0	30		
2,4-Dichlorophenol	81	82	58 - 115	2	30		
Naphthalene	81	81	53 - 94	1	30		
4-Chloroaniline	60	62	10 - 96	3	30		
Hexachlorobutadiene	85	85	45 - 98	1	30		
Caprolactam	88	95	10 - 127	7	30		
4-Chloro-3-methylphenol	84	87	55 - 117	3	30		
2-Methylnaphthalene	83	84	51 - 98	1	30		
Hexachlorocyclopentadiene	67	66	24 - 98	1	30		
2,4,6-Trichlorophenol	78	76	53 - 118	2	30		
2,4,5-Trichlorophenol	82	82	50 - 115	0	30		
1,1'-Biphenyl	84	83	50 - 105	1	30		
2-Chloronaphthalene	85	83	51 - 102	3	30		
2-Nitroaniline	103	104	51 - 109	1	30		
Dimethyl phthalate	90	91	52 - 112	1	30		
2,6-Dinitrotoluene	90	90	51 - 115	1	30		
Acenaphthylene	82	81	51 - 103	1	30		
3-Nitroaniline	75	77	32 - 104	3	30		
Acenaphthene	87	86	46 - 100	1	30		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-87558

Method: 8270C
Preparation: 3541

MS Lab Sample ID: 460-31328-5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/30/2011 1533
Prep Date: 09/28/2011 1130
Leach Date: N/A

Analysis Batch: 460-88069
Prep Batch: 460-87558
Leach Batch: N/A

Instrument ID: BNAMS11
Lab File ID: z10413.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 1 mL
Injection Volume:

MSD Lab Sample ID: 460-31328-5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/30/2011 1558
Prep Date: 09/28/2011 1130
Leach Date: N/A

Analysis Batch: 460-88069
Prep Batch: 460-87558
Leach Batch: N/A

Instrument ID: BNAMS11
Lab File ID: z10414.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
2,4-Dinitrophenol	1	1	10 - 129	1	30	J F	J F
4-Nitrophenol	77	77	45 - 114	0	30		
Dibenzofuran	86	87	52 - 106	0	30		
2,4-Dinitrotoluene	91	97	53 - 110	6	30		
Diethyl phthalate	90	93	52 - 114	3	30		
Fluorene	87	88	51 - 108	1	30		
4-Chlorophenyl phenyl ether	89	90	50 - 106	1	30		
4-Nitroaniline	75	81	45 - 106	9	30		
4,6-Dinitro-2-methylphenol	5	5	10 - 110	9	30	J F	J F
N-Nitrosodiphenylamine	90	89	49 - 106	1	30		
4-Bromophenyl phenyl ether	90	88	44 - 102	2	30		
Hexachlorobenzene	88	87	43 - 104	2	30		
Atrazine	89	89	30 - 100	0	30		
Pentachlorophenol	42	34	19 - 113	20	30		
Phenanthrene	86	86	48 - 108	0	30		
Anthracene	88	87	50 - 107	2	30		
Carbazole	89	90	49 - 104	1	30		
Di-n-butyl phthalate	90	93	50 - 108	4	30		
Fluoranthene	100	101	49 - 108	1	30		
Pyrene	78	82	49 - 116	4	30		
Butyl benzyl phthalate	88	90	49 - 117	2	30		
3,3'-Dichlorobenzidine	83	82	24 - 105	0	30		
Benzo[a]anthracene	89	91	46 - 112	2	30		
Chrysene	92	90	45 - 114	3	30		
Bis(2-ethylhexyl) phthalate	92	91	49 - 119	1	30		
Di-n-octyl phthalate	87	90	40 - 106	3	30		
Benzo[b]fluoranthene	93	101	33 - 96	7	30		F
Benzo[k]fluoranthene	94	87	35 - 115	7	30		
Benzo[a]pyrene	91	89	36 - 89	3	30	F	
Indeno[1,2,3-cd]pyrene	104	89	43 - 109	15	30		
Dibenz(a,h)anthracene	96	91	43 - 107	6	30		
Benzo[g,h,i]perylene	98	90	43 - 106	9	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	81	82	10 - 120
2-Fluorobiphenyl	85	84	40 - 109
2-Fluorophenol (Surr)	73	72	37 - 125
Nitrobenzene-d5 (Surr)	83	81	38 - 105
Phenol-d5 (Surr)	74	74	41 - 118
Terphenyl-d14 (Surr)	78	82	16 - 151

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-87558

Method: 8270C
Preparation: 3541

MS Lab Sample ID: 460-31328-5 Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/30/2011 1533
Prep Date: 09/28/2011 1130
Leach Date: N/A

MSD Lab Sample ID: 460-31328-5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/30/2011 1558
Prep Date: 09/28/2011 1130
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzaldehyde	380	U	3860	3850	3170	3130
Phenol	380	U	7380	7370	5740	5830
Bis(2-chloroethyl)ether	38	U	3860	3850	3040	3060
2-Chlorophenol	380	U	7420	7410	5910	5970
2-Methylphenol	380	U	7430	7420	6010	6030
2,2'-oxybis[1-chloropropane]	380	U	3860	3850	3030	2990
Acetophenone	380	U	3860	3850	3050	3050
4-Methylphenol	380	U	7430	7420	5080	5220
N-Nitrosodi-n-propylamine	38	U	3860	3850	3190	3060
Hexachloroethane	38	U	3860	3850	3010	2970
Nitrobenzene	38	U	3860	3850	3080	3070
Isophorone	380	U	3860	3850	3180	3190
2-Nitrophenol	380	U	7450	7440	6360	6250
2,4-Dimethylphenol	380	U	7420	7410	5740	5880
Bis(2-chloroethoxy)methane	380	U	3860	3850	3230	3230
2,4-Dichlorophenol	380	U	7470	7460	6040	6150
Naphthalene	380	U	3860	3850	3140	3110
4-Chloroaniline	380	U	3860	3850	2310	2380
Hexachlorobutadiene	77	U	3860	3850	3280	3260
Caprolactam	380	U	3860	3860	3390	3650
4-Chloro-3-methylphenol	380	U	7460	7450	6270	6490
2-Methylnaphthalene	380	U	3860	3850	3210	3250
Hexachlorocyclopentadiene	380	U	3860	3850	2580	2550
2,4,6-Trichlorophenol	380	U	7510	7500	5860	5720
2,4,5-Trichlorophenol	380	U	7510	7500	6140	6120
1,1'-Biphenyl	380	U	3860	3850	3250	3200
2-Chloronaphthalene	380	U	3860	3850	3260	3180
2-Nitroaniline	770	U	3860	3850	3970	4010
Dimethyl phthalate	380	U	3860	3850	3460	3510
2,6-Dinitrotoluene	77	U	3860	3850	3460	3480
Acenaphthylene	380	U	3860	3850	3160	3140
3-Nitroaniline	770	U	3860	3850	2880	2980
Acenaphthene	380	U	3860	3850	3350	3320
2,4-Dinitrophenol	1200	U	7720	7710	86.3	J F 85.2 J F
4-Nitrophenol	1200	U	7720	7710	5970	5940
Dibenzofuran	380	U	3860	3850	3340	3350
2,4-Dinitrotoluene	77	U	3860	3850	3530	3730
Diethyl phthalate	380	U	3860	3850	3450	3570
Fluorene	380	U	3860	3850	3370	3390
4-Chlorophenyl phenyl ether	380	U	3860	3850	3440	3460
4-Nitroaniline	770	U	3860	3850	2880	3140
4,6-Dinitro-2-methylphenol	1200	U	7720	7710	407	J F 371 J F
N-Nitrosodiphenylamine	380	U	3860	3850	3480	3420

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-87558**

**Method: 8270C
Preparation: 3541**

MS Lab Sample ID: 460-31328-5 Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/30/2011 1533
Prep Date: 09/28/2011 1130
Leach Date: N/A

MSD Lab Sample ID: 460-31328-5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/30/2011 1558
Prep Date: 09/28/2011 1130
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4-Bromophenyl phenyl ether	380	U	3860	3850	3460	3380
Hexachlorobenzene	38	U	3860	3850	3400	3340
Atrazine	380	U	3860	3850	3430	3440
Pentachlorophenol	1200	U	7720	7710	3230	2640
Phenanthrene	380	U	3860	3850	3330	3320
Anthracene	380	U	3860	3850	3410	3340
Carbazole	380	U	3860	3850	3440	3480
Di-n-butyl phthalate	380	U	3860	3850	3460	3590
Fluoranthene	380	U	3860	3850	3870	3900
Pyrene	380	U	3860	3850	3020	3160
Butyl benzyl phthalate	380	U	3860	3850	3390	3460
3,3'-Dichlorobenzidine	770	U	3860	3850	3180	3170
Benzo[a]anthracene	38	U	3860	3850	3440	3520
Chrysene	380	U	3860	3850	3570	3460
Bis(2-ethylhexyl) phthalate	380	U	3860	3850	3530	3500
Di-n-octyl phthalate	380	U	3860	3850	3360	3470
Benzo[b]fluoranthene	12	J	3860	3850	3600	3880
Benzo[k]fluoranthene	38	U	3860	3850	3610	3360
Benzo[a]pyrene	12	J	3860	3850	3540	3450
Indeno[1,2,3-cd]pyrene	10	J	3860	3850	4010	3440
Dibenz(a,h)anthracene	38	U	3860	3850	3720	3520
Benzo[g,h,i]perylene	380	U	3860	3850	3760	3450

F

F

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Method Blank - Batch: 460-87509

Method: 8082 Preparation: 3541

Lab Sample ID: MB 460-87509/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/28/2011 1133
Prep Date: 09/28/2011 0342
Leach Date: N/A

Analysis Batch: 460-87694
Prep Batch: 460-87509
Leach Batch: N/A
Units: ug/Kg

Instrument ID: PESTGC7
Lab File ID: or178064.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	115	30 - 150
Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	106	30 - 150

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Lab Control Sample - Batch: 460-87509

Method: 8082
Preparation: 3541

Lab Sample ID:	LCS 460-87509/2-A	Analysis Batch:	460-87694	Instrument ID:	PESTGC7
Client Matrix:	Solid	Prep Batch:	460-87509	Lab File ID:	or178065.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	09/28/2011 1149	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/28/2011 0342			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	333	411	123	60 - 144	
PCB-1260	333	377	113	63 - 143	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	127		30 - 150		

Lab Control Sample - Batch: 460-87509

Method: 8082
Preparation: 3541

Lab Sample ID:	LCS 460-87509/2-A	Analysis Batch:	460-87694	Instrument ID:	PESTGC7
Client Matrix:	Solid	Prep Batch:	460-87509	Lab File ID:	of178065.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	09/28/2011 1149	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/28/2011 0342			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	333	410	123	60 - 144	
PCB-1260	333	354	106	63 - 143	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	118		30 - 150		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-87509

Method: 8082
Preparation: 3541

MS Lab Sample ID:	460-31328-5	Analysis Batch:	460-87694	Instrument ID:	PESTGC7
Client Matrix:	Solid	Prep Batch:	460-87509	Lab File ID:	or178067.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	09/28/2011 1222			Final Weight/Volume:	10 mL
Prep Date:	09/28/2011 0342			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-31328-5	Analysis Batch:	460-87694	Instrument ID:	PESTGC7
Client Matrix:	Solid	Prep Batch:	460-87509	Lab File ID:	or178068.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	09/28/2011 1238			Final Weight/Volume:	10 mL
Prep Date:	09/28/2011 0342			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
PCB-1016	106	97	60 - 144	8	30		
PCB-1260	93	88	63 - 143	5	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	106		99	30 - 150			

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-87509

Method: 8082
Preparation: 3541

MS Lab Sample ID:	460-31328-5	Analysis Batch:	460-87694	Instrument ID:	PESTGC7
Client Matrix:	Solid	Prep Batch:	460-87509	Lab File ID:	of178067.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	09/28/2011 1222			Final Weight/Volume:	10 mL
Prep Date:	09/28/2011 0342			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-31328-5	Analysis Batch:	460-87694	Instrument ID:	PESTGC7
Client Matrix:	Solid	Prep Batch:	460-87509	Lab File ID:	of178068.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	09/28/2011 1238			Final Weight/Volume:	10 mL
Prep Date:	09/28/2011 0342			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
PCB-1016	103	95	60 - 144	7	30		
PCB-1260	87	81	63 - 143	7	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	96		89	30 - 150			

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-87509**

**Method: 8082
Preparation: 3541**

MS Lab Sample ID: 460-31328-5 Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/28/2011 1222
Prep Date: 09/28/2011 0342
Leach Date: N/A

MSD Lab Sample ID: 460-31328-5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/28/2011 1238
Prep Date: 09/28/2011 0342
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
PCB-1016	77	U	385	386	408	376
PCB-1260	77	U	385	386	357	340

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-87509**

**Method: 8082
Preparation: 3541**

MS Lab Sample ID: 460-31328-5 Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/28/2011 1222
Prep Date: 09/28/2011 0342
Leach Date: N/A

MSD Lab Sample ID: 460-31328-5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/28/2011 1238
Prep Date: 09/28/2011 0342
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
PCB-1016	77	U	385	386	395	368
PCB-1260	77	U	385	386	335	312

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Method Blank - Batch: 460-87517

Method: 6010B

Preparation: 3050B

Lab Sample ID: MB 460-87517/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 09/28/2011 2053
Prep Date: 09/28/2011 0759
Leach Date: N/A

Analysis Batch: 460-87665
Prep Batch: 460-87517
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 09282011A.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	2.5	U	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: 460-31328-1

LCS-Certified Reference Material - Batch: 460-87517

Method: 6010B

Preparation: 3050B

Lab Sample ID:	LCSSRM 460-87517/2-A	Analysis Batch:	460-87665	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-87517	Lab File ID:	09282011A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/28/2011 2057	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/28/2011 0759				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10500	7602	72	46.1 - 154	
Antimony	67.4	165.6	246	32.0 - 353	
Arsenic	104	99.64	96	69.7 - 131	
Barium	198	192.4	97	73.2 - 126	
Beryllium	77.6	77.36	100	74.0 - 126	
Cadmium	60.7	59.74	98	73.3 - 127	
Calcium	9870	9870	100	75.4 - 125	
Chromium	236	230.8	98	70.8 - 129	
Cobalt	91.2	95.00	104	74.4 - 126	
Copper	174	172.9	99	75.3 - 124	
Iron	18000	17430	97	42.1 - 158	
Lead	86.0	87.94	102	69.8 - 130	
Magnesium	4000	3522	88	69.5 - 131	
Manganese	558	583.8	105	77.4 - 123	
Nickel	134	138.0	103	73.2 - 127	
Potassium	4300	3914	91	65.3 - 135	
Selenium	286	267.0	93	69.6 - 130	
Silver	30.1	28.74	95	65.1 - 135	
Sodium	1020	930.4	91	60.2 - 139	J
Thallium	121	131.3	108	67.8 - 133	
Vanadium	115	111.3	97	67.6 - 132	
Zinc	594	586.4	99	73.6 - 127	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Matrix Spike - Batch: 460-87517

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-31616-F-1-D MS ^4
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 09/28/2011 2031
Prep Date: 09/28/2011 0759
Leach Date: N/A

Analysis Batch: 460-87665
Prep Batch: 460-87517
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 09282011A.asc
Initial Weight/Volume: 1.07 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	151		220	863.1	324	75 - 125	F
Antimony	2.2	U	54.9	49.90	91	75 - 125	
Arsenic	0.83	J	220	205.3	93	75 - 125	
Barium	43.1	U	220	225.0	102	75 - 125	
Beryllium	0.43	U	5.49	5.45	99	75 - 125	
Cadmium	1.1	U	5.49	5.53	101	75 - 125	
Calcium	1080	U	2200	2296	105	75 - 125	
Chromium	2.2	U	22.0	22.46	102	75 - 125	
Cobalt	10.8	U	54.9	55.93	102	75 - 125	
Copper	5.4	U	27.4	28.21	103	75 - 125	
Iron	1080		110	995.1	-73	75 - 125	4
Lead	1.3		54.9	58.61	105	75 - 125	
Magnesium	1080	U	2200	2158	98	75 - 125	
Manganese	3.2	U	54.9	58.04	106	75 - 125	
Nickel	8.6	U	54.9	57.07	104	75 - 125	
Potassium	1080	U	2200	2167	99	75 - 125	
Selenium	2.2	U	220	200.9	92	75 - 125	
Silver	2.2	U	5.49	5.15	94	75 - 125	
Sodium	1080	U	2200	2144	98	75 - 125	
Thallium	2.2	U	220	237.7	108	75 - 125	
Vanadium	10.8	U	54.9	53.85	98	75 - 125	
Zinc	6.5	U	54.9	54.79	100	75 - 125	

Post Digestion Spike - Batch: 460-87517

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-31616-F-1-B PDS ^4
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 09/28/2011 2035
Prep Date: 09/28/2011 0759
Leach Date: N/A

Analysis Batch: 460-87665
Prep Batch: 460-87517
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 09282011A.asc
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	151		431	580.7	100	75 - 125	
Antimony	2.2	U	108	102.2	95	75 - 125	
Arsenic	0.83	J	431	413.3	96	75 - 125	
Barium	43.1	U	431	439.4	102	75 - 125	
Beryllium	0.43	U	10.8	10.83	100	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Post Digestion Spike - Batch: 460-87517

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-31616-F-1-B PDS ^4
 Client Matrix: Solid
 Dilution: 4.0
 Analysis Date: 09/28/2011 2035
 Prep Date: 09/28/2011 0759
 Leach Date: N/A

Analysis Batch: 460-87665
 Prep Batch: 460-87517
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: ICP4
 Lab File ID: 09282011A.asc
 Initial Weight/Volume: 1.09 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	1.1	U	10.8	11.00	102	75 - 125	
Calcium	1080	U	4310	4521	105	75 - 125	
Chromium	2.2	U	43.1	44.48	103	75 - 125	
Cobalt	10.8	U	108	110.6	103	75 - 125	
Copper	5.4	U	53.9	55.40	103	75 - 125	
Iron	1080		215	1285	97	75 - 125	
Lead	1.3		108	114.3	105	75 - 125	
Magnesium	1080	U	4310	4262	99	75 - 125	
Manganese	3.2	U	108	114.4	106	75 - 125	
Nickel	8.6	U	108	112.6	104	75 - 125	
Potassium	1080	U	4310	4245	99	75 - 125	
Selenium	2.2	U	431	404.9	94	75 - 125	
Silver	2.2	U	10.8	9.79	91	75 - 125	
Sodium	1080	U	4310	4254	99	75 - 125	
Thallium	2.2	U	431	459.4	107	75 - 125	
Vanadium	10.8	U	108	107.9	100	75 - 125	
Zinc	6.5	U	108	109.1	101	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Duplicate - Batch: 460-87517

Method: 6010B
Preparation: 3050B

Lab Sample ID: 460-31616-F-1-C DU ^4
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 09/28/2011 2020
Prep Date: 09/28/2011 0759
Leach Date: N/A

Analysis Batch: 460-87665
Prep Batch: 460-87517
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 09282011A.asc
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	151		188.0	22	20	
Antimony	2.2	U	2.3	NC	20	U
Arsenic	0.83	J	0.808	3	20	J
Barium	43.1	U	45.2	NC	20	U
Beryllium	0.43	U	0.45	NC	20	U
Cadmium	1.1	U	1.1	NC	20	U
Calcium	1080	U	1130	NC	20	U
Chromium	2.2	U	2.3	NC	20	U
Cobalt	10.8	U	11.3	NC	20	U
Copper	5.4	U	1.07	NC	20	J
Iron	1080		1433	29	20	F
Lead	1.3		1.58	22	20	
Magnesium	1080	U	1130	NC	20	U
Manganese	3.2	U	3.4	NC	20	U
Nickel	8.6	U	9.0	NC	20	U
Potassium	1080	U	53.87	NC	20	J
Selenium	2.2	U	2.3	NC	20	U
Silver	2.2	U	2.3	NC	20	U
Sodium	1080	U	1130	NC	20	U
Thallium	2.2	U	2.3	NC	20	U
Vanadium	10.8	U	0.950	NC	20	J
Zinc	6.5	U	6.8	NC	20	U

Serial Dilution - Batch: 460-87517

Method: 6010B
Preparation: 3050B

Lab Sample ID: 460-31616-F-1-B SD ^20
Client Matrix: Solid
Dilution: 20
Analysis Date: 09/28/2011 2028
Prep Date: 09/28/2011 0759
Leach Date: N/A

Analysis Batch: 460-87665
Prep Batch: 460-87517
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 09282011A.asc
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	151		154.0	NC	10	J
Antimony	2.2	U	10.8	NC	10	U
Arsenic	0.83	J	5.4	NC	10	U
Barium	43.1	U	215	NC	10	U
Beryllium	0.43	U	2.2	NC	10	U
Cadmium	1.1	U	5.4	NC	10	U
Calcium	1080	U	5390	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Serial Dilution - Batch: 460-87517

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-31616-F-1-B SD ^20
Client Matrix: Solid
Dilution: 20
Analysis Date: 09/28/2011 2028
Prep Date: 09/28/2011 0759
Leach Date: N/A

Analysis Batch: 460-87665
Prep Batch: 460-87517
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 09282011A.asc
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Chromium	2.2	U	10.8	NC	10	U
Cobalt	10.8	U	53.9	NC	10	U
Copper	5.4	U	26.9	NC	10	U
Iron	1080		1030	4.2	10	
Lead	1.3		5.4	NC	10	U
Magnesium	1080	U	5390	NC	10	U
Manganese	3.2	U	16.2	NC	10	U
Nickel	8.6	U	43.1	NC	10	U
Potassium	1080	U	5390	NC	10	U
Selenium	2.2	U	10.8	NC	10	U
Silver	2.2	U	10.8	NC	10	U
Sodium	1080	U	5390	NC	10	U
Thallium	2.2	U	10.8	NC	10	U
Vanadium	10.8	U	53.9	NC	10	U
Zinc	6.5	U	32.3	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Method Blank - Batch: 460-87024

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 460-87024/10-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/22/2011 2159
Prep Date: 09/22/2011 1730
Leach Date: N/A

Analysis Batch: 460-87040
Prep Batch: 460-87024
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 092211.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: 460-87024

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCSSRM
Client Matrix: Solid
Dilution: 10
Analysis Date: 09/22/2011 2204
Prep Date: 09/22/2011 1730
Leach Date: N/A

Analysis Batch: 460-87040
Prep Batch: 460-87024
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 092211.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	8.46	8.77	104	51.3 - 149	

Matrix Spike - Batch: 460-87024

Method: 7471A
Preparation: 7471A

Lab Sample ID: 460-31418-A-1-C MS
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/22/2011 2209
Prep Date: 09/22/2011 1730
Leach Date: N/A

Analysis Batch: 460-87040
Prep Batch: 460-87024
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 092211.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.037 U	0.186	0.204	110	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Duplicate - Batch: 460-87024

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-31418-A-1-B DU	Analysis Batch:	460-87040	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	460-87024	Lab File ID:	092211.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/22/2011 2207	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/22/2011 1730				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.037 U	0.037	NC	20	U

Serial Dilution - Batch: 460-87024

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-31418-A-1-A SD ^5	Analysis Batch:	460-87040	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	460-87024	Lab File ID:	092211.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/22/2011 2240	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/22/2011 1730				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.037 U	0.18	NC		U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Method Blank - Batch: 460-87088

Method: 7471A Preparation: 7471A

Lab Sample ID: MB 460-87088/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/23/2011 1444
Prep Date: 09/23/2011 1023
Leach Date: N/A

Analysis Batch: 460-87150
Prep Batch: 460-87088
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 87088hg1.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: 460-87088

Method: 7471A Preparation: 7471A

Lab Sample ID: LCSSRM 460-87088/2-A
Client Matrix: Solid
Dilution: 10
Analysis Date: 09/23/2011 1446
Prep Date: 09/23/2011 1023
Leach Date: N/A

Analysis Batch: 460-87150
Prep Batch: 460-87088
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 87088hg1.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	8.46	8.78	104	51.3 - 149	

Serial Dilution - Batch: 460-87088

Method: 7471A Preparation: 7471A

Lab Sample ID: 460-31466-A-3-I SD ^50
Client Matrix: Solid
Dilution: 50
Analysis Date: 09/23/2011 1607
Prep Date: 09/23/2011 1023
Leach Date: N/A

Analysis Batch: 460-87150
Prep Batch: 460-87088
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 87088hg1.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	6.2	5.27	NC		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Duplicate - Batch: 460-86809

Method: Moisture

Preparation: N/A

Lab Sample ID:	460-31340-D-10 DU	Analysis Batch:	460-86809	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:	09/21/2011 1351	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	18.1	18.2	1	20	
Percent Solids	81.9	81.8	0.2	20	

DATA REPORTING QUALIFIERS

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS/MSD Recovery or RPD exceeds the control limits
GC/MS Semi VOA		
	J	Indicates an Estimated Value for TICs
	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.
	A	The tentatively identified compound is a suspected aldol-condensation product.
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
Metals		
	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.

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-87208					
460-31328-7	SO-17338-091511-MM-017	T	Solid	5035	
460-31328-7MS	Matrix Spike	T	Solid	5035	
460-31328-7MSD	Matrix Spike Duplicate	T	Solid	5035	
Analysis Batch:460-87364					
LCS 460-87364/3	Lab Control Sample	T	Solid	8260B	
MB 460-87364/4	Method Blank	T	Solid	8260B	
460-31328-7	SO-17338-091511-MM-017	T	Solid	8260B	460-87208
460-31328-7MS	Matrix Spike	T	Solid	8260B	460-87208
460-31328-7MSD	Matrix Spike Duplicate	T	Solid	8260B	460-87208

Report Basis

T = Total

GC/MS Semi VOA

Prep Batch: 460-87558					
LCS 460-87558/2-A	Lab Control Sample	T	Solid	3541	
MB 460-87558/1-A	Method Blank	T	Solid	3541	
460-31328-5	SO-17338-091511-MM-015	T	Solid	3541	
460-31328-5MS	Matrix Spike	T	Solid	3541	
460-31328-5MSD	Matrix Spike Duplicate	T	Solid	3541	
Analysis Batch:460-88069					
LCS 460-87558/2-A	Lab Control Sample	T	Solid	8270C	460-87558
MB 460-87558/1-A	Method Blank	T	Solid	8270C	460-87558
460-31328-5	SO-17338-091511-MM-015	T	Solid	8270C	460-87558
460-31328-5MS	Matrix Spike	T	Solid	8270C	460-87558
460-31328-5MSD	Matrix Spike Duplicate	T	Solid	8270C	460-87558

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-87509					
LCS 460-87509/2-A	Lab Control Sample	T	Solid	3541	
MB 460-87509/1-A	Method Blank	T	Solid	3541	
460-31328-5	SO-17338-091511-MM-015	T	Solid	3541	
460-31328-5MS	Matrix Spike	T	Solid	3541	
460-31328-5MSD	Matrix Spike Duplicate	T	Solid	3541	
Analysis Batch: 460-87694					
LCS 460-87509/2-A	Lab Control Sample	T	Solid	8082	460-87509
MB 460-87509/1-A	Method Blank	T	Solid	8082	460-87509
460-31328-5	SO-17338-091511-MM-015	T	Solid	8082	460-87509
460-31328-5MS	Matrix Spike	T	Solid	8082	460-87509
460-31328-5MSD	Matrix Spike Duplicate	T	Solid	8082	460-87509

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-87024					
LCSSRM 460-87024/11-A ^10	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-87024/10-A	Method Blank	T	Solid	7471A	
460-31328-5	SO-17338-091511-MM-015	T	Solid	7471A	
460-31418-A-1-B DU	Duplicate	T	Solid	7471A	
460-31418-A-1-C MS	Matrix Spike	T	Solid	7471A	
Analysis Batch:460-87040					
LCSSRM 460-87024/11-A ^10	LCS-Certified Reference Material	T	Solid	7471A	460-87024
MB 460-87024/10-A	Method Blank	T	Solid	7471A	460-87024
460-31328-5	SO-17338-091511-MM-015	T	Solid	7471A	460-87024
460-31418-A-1-B DU	Duplicate	T	Solid	7471A	460-87024
460-31418-A-1-C MS	Matrix Spike	T	Solid	7471A	460-87024
Prep Batch: 460-87088					
LCSSRM 460-87088/2-A ^10	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-87088/1-A	Method Blank	T	Solid	7471A	
460-31328-7	SO-17338-091511-MM-017	T	Solid	7471A	
Analysis Batch:460-87150					
LCSSRM 460-87088/2-A ^10	LCS-Certified Reference Material	T	Solid	7471A	460-87088
MB 460-87088/1-A	Method Blank	T	Solid	7471A	460-87088
460-31328-7	SO-17338-091511-MM-017	T	Solid	7471A	460-87088
Prep Batch: 460-87517					
LCSSRM 460-87517/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-87517/1-A ^2	Method Blank	T	Solid	3050B	
460-31328-5	SO-17338-091511-MM-015	T	Solid	3050B	
460-31328-7	SO-17338-091511-MM-017	T	Solid	3050B	
460-31616-F-1-C DU ^4	Duplicate	T	Solid	3050B	
460-31616-F-1-D MS ^4	Matrix Spike	T	Solid	3050B	
Analysis Batch:460-87665					
LCSSRM 460-87517/2-A ^4	LCS-Certified Reference Material	T	Solid	6010B	460-87517
MB 460-87517/1-A ^2	Method Blank	T	Solid	6010B	460-87517
460-31328-5	SO-17338-091511-MM-015	T	Solid	6010B	460-87517
460-31328-7	SO-17338-091511-MM-017	T	Solid	6010B	460-87517
460-31616-F-1-C DU ^4	Duplicate	T	Solid	6010B	460-87517
460-31616-F-1-D MS ^4	Matrix Spike	T	Solid	6010B	460-87517

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-86809					
460-31328-1	SO-17338-091511-MM-011	T	Solid	Moisture	
460-31328-2	SO-17338-091511-MM-012	T	Solid	Moisture	
460-31328-3	SO-17338-091511-MM-013	T	Solid	Moisture	
460-31328-4	SO-17338-091511-MM-014	T	Solid	Moisture	
460-31328-5	SO-17338-091511-MM-015	T	Solid	Moisture	
460-31328-6	SO-17338-091511-MM-016	T	Solid	Moisture	
460-31328-7	SO-17338-091511-MM-017	T	Solid	Moisture	
460-31328-8	SO-17338-091511-MM-018	T	Solid	Moisture	
460-31340-D-10 DU	Duplicate	T	Solid	Moisture	

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Laboratory Chronicle

Lab ID: 460-31328-1

Client ID: SO-17338-091511-MM-011

Sample Date/Time: 09/15/2011 09:20

Received Date/Time: 09/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-31328-A-1		460-86809		09/21/2011 13:51	1	TAL EDI	CHA

Lab ID: 460-31328-2

Client ID: SO-17338-091511-MM-012

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

Received Date/Time: 09/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-31328-A-2		460-86809		09/21/2011 13:51	1	TAL EDI	CHA

Lab ID: 460-31328-3

Client ID: SO-17338-091511-MM-013

Sample Date/Time: 09/15/2011 10:20

Received Date/Time: 09/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-31328-A-3		460-86809		09/21/2011 13:51	1	TAL EDI	CHA

Lab ID: 460-31328-4

Client ID: SO-17338-091511-MM-014

Sample Date/Time: 09/15/2011 10:30

Received Date/Time: 09/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-31328-A-4		460-86809		09/21/2011 13:51	1	TAL EDI	CHA

Lab ID: 460-31328-5

Client ID: SO-17338-091511-MM-015

Sample Date/Time: 09/15/2011 11:10

Received Date/Time: 09/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	460-31328-D-5-H		460-88069	460-87558	09/28/2011 11:30	1	TAL EDI	cm
A:8270C	460-31328-D-5-H		460-88069	460-87558	09/30/2011 16:22	1	TAL EDI	AAA
P:3541	460-31328-D-5-D		460-87694	460-87509	09/28/2011 03:42	1	TAL EDI	ARA
A:8082	460-31328-D-5-D		460-87694	460-87509	09/28/2011 12:06	1	TAL EDI	SD
P:3050B	460-31328-D-5-E ^4		460-87665	460-87517	09/28/2011 07:59	4	TAL EDI	MC
A:6010B	460-31328-D-5-E ^4		460-87665	460-87517	09/28/2011 21:19	4	TAL EDI	CDC
P:7471A	460-31328-D-5-A		460-87040	460-87024	09/22/2011 17:30	1	TAL EDI	TS
A:7471A	460-31328-D-5-A		460-87040	460-87024	09/22/2011 22:30	1	TAL EDI	TS
A:Moisture	460-31328-A-5		460-86809		09/21/2011 13:51	1	TAL EDI	CHA

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Laboratory Chronicle

Lab ID: 460-31328-5 MS

Client ID: SO-17338-091511-MM-015

Sample Date/Time: 09/15/2011 11:10

Received Date/Time: 09/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	460-31328-D-5-F MS		460-88069	460-87558	09/28/2011 11:30	1	TAL EDI	cm
A:8270C	460-31328-D-5-F MS		460-88069	460-87558	09/30/2011 15:33	1	TAL EDI	AAA
P:3541	460-31328-D-5-B MS		460-87694	460-87509	09/28/2011 03:42	1	TAL EDI	ARA
A:8082	460-31328-D-5-B MS		460-87694	460-87509	09/28/2011 12:22	1	TAL EDI	SD

Lab ID: 460-31328-5 MSD

Client ID: SO-17338-091511-MM-015

Sample Date/Time: 09/15/2011 11:10

Received Date/Time: 09/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	460-31328-D-5-G MSD		460-88069	460-87558	09/28/2011 11:30	1	TAL EDI	cm
A:8270C	460-31328-D-5-G MSD		460-88069	460-87558	09/30/2011 15:58	1	TAL EDI	AAA
P:3541	460-31328-D-5-C MSD		460-87694	460-87509	09/28/2011 03:42	1	TAL EDI	ARA
A:8082	460-31328-D-5-C MSD		460-87694	460-87509	09/28/2011 12:38	1	TAL EDI	SD

Lab ID: 460-31328-6

Client ID: SO-17338-091511-MM-016

Sample Date/Time: 09/15/2011 11:15

Received Date/Time: 09/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-31328-A-6		460-86809		09/21/2011 13:51	1	TAL EDI	CHA

Lab ID: 460-31328-7

Client ID: SO-17338-091511-MM-017

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

Received Date/Time: 09/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-31328-C-7-A		460-87364	460-87208	09/24/2011 14:46	50	TAL EDI	FJ
A:8260B	460-31328-C-7-A		460-87364	460-87208	09/27/2011 03:37	50	TAL EDI	KB
P:3050B	460-31328-D-7-C ^4		460-87665	460-87517	09/28/2011 07:59	4	TAL EDI	MC
A:6010B	460-31328-D-7-C ^4		460-87665	460-87517	09/28/2011 21:23	4	TAL EDI	CDC
P:7471A	460-31328-D-7-A		460-87150	460-87088	09/23/2011 10:23	1	TAL EDI	RBS
A:7471A	460-31328-D-7-A		460-87150	460-87088	09/23/2011 15:11	1	TAL EDI	RBS
A:Moisture	460-31328-A-7		460-86809		09/21/2011 13:51	1	TAL EDI	CHA

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Laboratory Chronicle

Lab ID: 460-31328-7 MS

Client ID: SO-17338-091511-MM-017

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

Received Date/Time: 09/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-31328-C-7-A MS		460-87364	460-87208	09/24/2011 14:46	50	TAL EDI	FJ
A:8260B	460-31328-C-7-A MS		460-87364	460-87208	09/27/2011 02:22	50	TAL EDI	KB

Lab ID: 460-31328-7 MSD

Client ID: SO-17338-091511-MM-017

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

Received Date/Time: 09/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-31328-C-7-A MSD		460-87364	460-87208	09/24/2011 14:46	50	TAL EDI	FJ
A:8260B	460-31328-C-7-A MSD		460-87364	460-87208	09/27/2011 02:48	50	TAL EDI	KB

Lab ID: 460-31328-8

Client ID: SO-17338-091511-MM-018

Sample Date/Time: 09/15/2011 14:45

Received Date/Time: 09/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-31328-A-8		460-86809		09/21/2011 13:51	1	TAL EDI	CHA

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
A:8260B	MB 460-87364/4		460-87364		09/26/2011 21:00	50	TAL EDI	KB
P:3541	MB 460-87558/1-A		460-88069	460-87558	09/28/2011 11:30	1	TAL EDI	cm
A:8270C	MB 460-87558/1-A		460-88069	460-87558	09/30/2011 15:08	1	TAL EDI	AAA
P:3541	MB 460-87509/1-A		460-87694	460-87509	09/28/2011 03:42	1	TAL EDI	ARA
A:8082	MB 460-87509/1-A		460-87694	460-87509	09/28/2011 11:33	1	TAL EDI	SD
P:3050B	MB 460-87517/1-A ^2		460-87665	460-87517	09/28/2011 07:59	2	TAL EDI	MC
A:6010B	MB 460-87517/1-A ^2		460-87665	460-87517	09/28/2011 20:53	2	TAL EDI	CDC
P:7471A	MB 460-87024/10-A		460-87040	460-87024	09/22/2011 17:30	1	TAL EDI	TS
A:7471A	MB 460-87024/10-A		460-87040	460-87024	09/22/2011 21:59	1	TAL EDI	TS
P:7471A	MB 460-87088/1-A		460-87150	460-87088	09/23/2011 10:23	1	TAL EDI	RBS
A:7471A	MB 460-87088/1-A		460-87150	460-87088	09/23/2011 14:44	1	TAL EDI	RBS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Laboratory Chronicle

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
A:8260B	LCS 460-87364/3		460-87364		09/26/2011 20:10	50	TAL EDI	KB
P:3541	LCS 460-87558/2-A		460-88069	460-87558	09/28/2011 11:30	1	TAL EDI	cm
A:8270C	LCS 460-87558/2-A		460-88069	460-87558	09/30/2011 14:43	1	TAL EDI	AAA
P:3541	LCS 460-87509/2-A		460-87694	460-87509	09/28/2011 03:42	1	TAL EDI	ARA
A:8082	LCS 460-87509/2-A		460-87694	460-87509	09/28/2011 11:49	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 460-87517/2-A ^4		460-87665	460-87517	09/28/2011 07:59	4	TAL EDI	MC
A:6010B	LCSSRM 460-87517/2-A ^4		460-87665	460-87517	09/28/2011 20:57	4	TAL EDI	CDC
P:7471A	LCSSRM 460-87024/11-A ^10		460-87040	460-87024	09/22/2011 17:30	10	TAL EDI	TS
A:7471A	LCSSRM 460-87024/11-A ^10		460-87040	460-87024	09/22/2011 22:04	10	TAL EDI	TS
P:7471A	LCSSRM 460-87088/2-A ^10		460-87150	460-87088	09/23/2011 10:23	10	TAL EDI	RBS
A:7471A	LCSSRM 460-87088/2-A ^10		460-87150	460-87088	09/23/2011 14:46	10	TAL EDI	RBS

Lab ID: MS

Client ID: N/A

Sample Date/Time: 09/26/2011 09:30

Received Date/Time: 09/26/2011 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-31616-F-1-D MS ^4		460-87665	460-87517	09/28/2011 07:59	4	TAL EDI	MC
A:6010B	460-31616-F-1-D MS ^4		460-87665	460-87517	09/28/2011 20:31	4	TAL EDI	CDC
P:7471A	460-31418-A-1-C MS		460-87040	460-87024	09/22/2011 17:30	1	TAL EDI	TS
A:7471A	460-31418-A-1-C MS		460-87040	460-87024	09/22/2011 22:09	1	TAL EDI	TS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Laboratory Chronicle

Lab ID: DU

Client ID: N/A

Sample Date/Time: 09/26/2011 09:30

Received Date/Time: 09/26/2011 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-31616-F-1-C DU ^4		460-87665	460-87517	09/28/2011 07:59	4	TAL EDI	MC
A:6010B	460-31616-F-1-C DU ^4		460-87665	460-87517	09/28/2011 20:20	4	TAL EDI	CDC
P:7471A	460-31418-A-1-B DU		460-87040	460-87024	09/22/2011 17:30	1	TAL EDI	TS
A:7471A	460-31418-A-1-B DU		460-87040	460-87024	09/22/2011 22:07	1	TAL EDI	TS
A:Moisture	460-31340-D-10 DU		460-86809		09/21/2011 13:51	1	TAL EDI	CHA

Lab ID: SD

Client ID: N/A

Sample Date/Time: 09/26/2011 09:30

Received Date/Time: 09/26/2011 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-31616-F-1-B SD ^20		460-87665	460-87517	09/28/2011 07:59	20	TAL EDI	MC
A:6010B	460-31616-F-1-B SD ^20		460-87665	460-87517	09/28/2011 20:28	20	TAL EDI	CDC
P:3050B	460-31616-F-1-B PDS ^4		460-87665	460-87517	09/28/2011 07:59	4	TAL EDI	MC
A:6010B	460-31616-F-1-B PDS ^4		460-87665	460-87517	09/28/2011 20:35	4	TAL EDI	CDC
P:7471A	460-31418-A-1-A SD ^5		460-87040	460-87024	09/22/2011 17:30	5	TAL EDI	TS
A:7471A	460-31418-A-1-A SD ^5		460-87040	460-87024	09/22/2011 22:40	5	TAL EDI	TS
P:7471A	460-31466-A-3-I SD ^50		460-87150	460-87088	09/23/2011 10:23	50	TAL EDI	RBS
A:7471A	460-31466-A-3-I SD ^50		460-87150	460-87088	09/23/2011 16:07	50	TAL EDI	RBS

Lab References:

TAL EDI = TestAmerica Edison

Method 8260 DEL

Volatile Organics (GC/MS) by Method
8260 (Delaware)

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Medium
GC Column (1): DB-624 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
SO-17338-091511-MM-017	460-31328-7	100	97	106
	MB 460-87364/4	92	91	105
	LCS 460-87364/3	104	99	103
SO-17338-091511-MM-017 MS	460-31328-7 MS	104	98	104
SO-17338-091511-MM-017 MSD	460-31328-7 MSD	103	97	108

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	57-135
TOL = Toluene-d8 (Surr)	46-130
BFB = 4-Bromofluorobenzene	50-124

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Matrix: Solid Level: Medium Lab File ID: j03965.d
 Lab ID: LCS 460-87364/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2000	1980	99	78-118	
Benzene	2000	2010	101	71-118	
cis-1,3-Dichloropropene	2000	1980	99	75-120	
Carbon disulfide	2000	1860	93	70-120	
Bromoform	2000	1960	98	76-133	
Tetrachloroethene	2000	1880	94	78-136	
1,1-Dichloroethane	2000	2130	107	79-119	
1,2-Dichloroethane	2000	2110	106	81-121	
1,2-Dichloropropane	2000	1950	98	78-118	
1,1,2-Trichloroethane	2000	1910	95	77-120	
Acetone	2000	2750	137	48-177	
Methyl acetate	2000	1490	74	72-165	
Dichlorodifluoromethane	2000	1620	81	41-149	
4-Methyl-2-pentanone (MIBK)	2000	1950	97	69-124	
1,1,2-Trichloro-1,2,2-trifluoroethane	2000	2210	111	50-128	
Methylene Chloride	2000	2050	102	78-118	
Chloromethane	2000	1730	87	52-144	
Bromomethane	2000	1650	83	58-154	
Chlorodibromomethane	2000	1970	98	78-118	
Toluene	2000	1940	97	79-136	
1,2,4-Trichlorobenzene	2000	2210	110	62-144	
Chlorobenzene	2000	1850	92	69-124	
1,2-Dibromo-3-Chloropropane	2000	2150	107	62-127	
1,3-Dichlorobenzene	2000	2030	101	83-123	
Methyl tert-butyl ether	2000	2070	103	65-143	
Styrene	2000	1910	95	73-126	
trans-1,2-Dichloroethene	2000	2040	102	73-119	
1,1,2,2-Tetrachloroethane	2000	2070	103	86-145	
Chloroethane	2000	1830	92	66-144	
1,1-Dichloroethene	2000	2010	100	68-138	
1,2-Dichlorobenzene	2000	2040	102	83-123	
Trichloroethene	2000	2020	101	82-122	
2-Hexanone	2000	1830	91	62-123	
2-Butanone (MEK)	2000	1950	98	70-139	
Ethylbenzene	2000	1930	96	78-124	
Isopropylbenzene	2000	1940	97	80-143	
Methylcyclohexane	2000	2040	102	80-134	
Trichlorofluoromethane	2000	2100	105	60-148	
Cyclohexane	2000	2170	109	69-128	
trans-1,3-Dichloropropene	2000	1940	97	73-118	
cis-1,2-Dichloroethene	2000	2000	100	78-118	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Medium Lab File ID: j03965.d
Lab ID: LCS 460-87364/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chloroform	2000	2050	103	81-122	
Vinyl chloride	2000	1890	95	55-154	
Ethylene Dibromide	2000	1930	97	76-120	
Carbon tetrachloride	2000	2020	101	64-130	
1,4-Dichlorobenzene	2000	2200	110	84-124	
Dichlorobromomethane	2000	1990	100	78-118	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Matrix: Solid Level: Medium Lab File ID: j03979.d
 Lab ID: 460-31328-7 MS Client ID: SO-17338-091511-MM-017 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	1920	96 U	1800	94	78-118	
Benzene	1920	96 U	1740	91	71-118	
cis-1,3-Dichloropropene	1920	96 U	1770	93	75-120	
Carbon disulfide	1920	96 U	1450	76	70-120	
Bromoform	1920	96 U	1840	96	76-133	
Tetrachloroethene	1920	96 U	1810	94	78-136	
1,1-Dichloroethane	1920	96 U	1720	90	79-119	
1,2-Dichloroethane	1920	96 U	2020	105	81-121	
1,2-Dichloropropane	1920	96 U	1910	100	78-118	
1,1,2-Trichloroethane	1920	96 U	1710	90	77-120	
Acetone	1920	960 U	1900	99	48-177	
Methyl acetate	1920	190 U	1400	73	72-165	
Dichlorodifluoromethane	1920	96 U	1500	78	41-149	
4-Methyl-2-pentanone (MIBK)	1920	960 U	1620	85	69-124	
1,1,2-Trichloro-1,2,2-trifluoroethane	1920	96 U	1790	94	50-128	
Methylene Chloride	1920	96 U	1760	92	78-118	
Chloromethane	1920	96 U	1710	89	52-144	
Bromomethane	1920	96 U	1170	61	58-164	
Chlorodibromomethane	1920	96 U	1800	94	78-118	
Toluene	1920	96 U	1820	95	79-136	
1,2,4-Trichlorobenzene	1920	96 U	2060	108	62-144	
Chlorobenzene	1920	96 U	1780	93	69-124	
1,2-Dibromo-3-Chloropropane	1920	96 U	1840	96	62-127	
1,3-Dichlorobenzene	1920	96 U	1810	95	83-123	
Methyl tert-butyl ether	1920	96 U	1710	89	65-143	
Styrene	1920	96 U	1870	98	73-126	
trans-1,2-Dichloroethene	1920	96 U	1710	89	73-119	
1,1,2,2-Tetrachloroethane	1920	96 U	1720	90	86-145	
Chloroethane	1920	96 U	907	47	66-144	F
1,1-Dichloroethene	1920	96 U	1710	89	68-138	
1,2-Dichlorobenzene	1920	96 U	1840	96	83-123	
Trichloroethene	1920	96 U	1870	97	82-122	
2-Hexanone	1920	960 U	1730	90	62-123	
2-Butanone (MEK)	1920	960 U	1640	85	70-139	
Ethylbenzene	1920	96 U	1860	97	78-124	
Isopropylbenzene	1920	96 U	1920	100	80-143	
Methylcyclohexane	1920	96 U	1890	99	80-134	
Trichlorofluoromethane	1920	96 U	1560	81	60-148	
Cyclohexane	1920	96 U	1800	94	69-128	
trans-1,3-Dichloropropene	1920	96 U	1770	92	73-118	
cis-1,2-Dichloroethene	1920	96 U	1800	94	78-118	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Medium Lab File ID: j03979.d
Lab ID: 460-31328-7 MS Client ID: SO-17338-091511-MM-017 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Chloroform	1920	96 U	1810	94	81-122	
Vinyl chloride	1920	96 U	1920	100	55-154	
Ethylene Dibromide	1920	96 U	1830	96	76-120	
Carbon tetrachloride	1920	96 U	1920	100	64-130	
1,4-Dichlorobenzene	1920	96 U	2070	108	84-124	
Dichlorobromomethane	1920	96 U	1920	100	78-118	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Medium Lab File ID: j03980.d
Lab ID: 460-31328-7 MSD Client ID: SO-17338-091511-MM-017 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	1920	1840	96	2	30	78-118	
Benzene	1920	1700	89	2	30	71-118	
cis-1,3-Dichloropropene	1920	1760	92	1	30	75-120	
Carbon disulfide	1920	1520	79	4	30	70-120	
Bromoform	1920	1760	92	5	30	76-133	
Tetrachloroethene	1920	1860	97	3	30	78-136	
1,1-Dichloroethane	1920	1780	93	3	30	79-119	
1,2-Dichloroethane	1920	1970	103	3	30	81-121	
1,2-Dichloropropane	1920	1880	98	2	30	78-118	
1,1,2-Trichloroethane	1920	1650	86	4	30	77-120	
Acetone	1920	1580	83	18	30	48-177	
Methyl acetate	1920	1430	75	2	30	72-165	
Dichlorodifluoromethane	1920	1560	82	4	30	41-149	
4-Methyl-2-pentanone (MIBK)	1920	1600	84	1	30	69-124	
1,1,2-Trichloro-1,2,2-trifluoroethane	1920	1730	90	4	30	50-128	
Methylene Chloride	1920	1700	89	3	30	78-118	
Chloromethane	1920	1780	93	4	30	52-144	
Bromomethane	1920	1180	62	1	30	58-164	
Chlorodibromomethane	1920	1820	95	1	30	78-118	
Toluene	1920	1820	95	0	30	79-136	
1,2,4-Trichlorobenzene	1920	2130	111	3	30	62-144	
Chlorobenzene	1920	1800	94	1	30	69-124	
1,2-Dibromo-3-Chloropropane	1920	1780	93	3	30	62-127	
1,3-Dichlorobenzene	1920	1830	95	1	30	83-123	
Methyl tert-butyl ether	1920	1720	90	0	30	65-143	
Styrene	1920	1860	97	0	30	73-126	
trans-1,2-Dichloroethene	1920	1790	93	5	30	73-119	
1,1,2,2-Tetrachloroethane	1920	1700	89	1	30	86-145	
Chloroethane	1920	934	49	3	30	66-144	F
1,1-Dichloroethene	1920	1740	91	2	30	68-138	
1,2-Dichlorobenzene	1920	1930	100	5	30	83-123	
Trichloroethene	1920	1880	98	1	30	82-122	
2-Hexanone	1920	1540	81	11	30	62-123	
2-Butanone (MEK)	1920	1600	83	3	30	70-139	
Ethylbenzene	1920	1850	96	1	30	78-124	
Isopropylbenzene	1920	1910	100	1	30	80-143	
Methylcyclohexane	1920	1790	93	6	30	80-134	
Trichlorofluoromethane	1920	1520	80	2	30	60-148	
Cyclohexane	1920	1870	97	3	30	69-128	
trans-1,3-Dichloropropene	1920	1780	93	1	30	73-118	
cis-1,2-Dichloroethene	1920	1810	94	0	30	78-118	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Matrix: Solid Level: Medium Lab File ID: j03980.d
 Lab ID: 460-31328-7 MSD Client ID: SO-17338-091511-MM-017 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Chloroform	1920	1780	93	1	30	81-122	
Vinyl chloride	1920	2050	107	6	30	55-154	
Ethylene Dibromide	1920	1770	92	3	30	76-120	
Carbon tetrachloride	1920	1870	98	3	30	64-130	
1,4-Dichlorobenzene	1920	2040	106	2	30	84-124	
Dichlorobromomethane	1920	1960	102	2	30	78-118	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Lab File ID: j03967.d Lab Sample ID: MB 460-87364/4
Matrix: Solid Heated Purge: (Y/N) N
Instrument ID: VOAMS8 Date Analyzed: 09/26/2011 21:00
GC Column: DB-624 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-87364/3	j03965.d	09/26/2011 20:10
SO-17338-091511-MM-017 MS	460-31328-7 MS	j03979.d	09/27/2011 02:22
SO-17338-091511-MM-017 MSD	460-31328-7 MSD	j03980.d	09/27/2011 02:48
SO-17338-091511-MM-017	460-31328-7	j03982.d	09/27/2011 03:37

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab File ID: j03832.d BFB Injection Date: 09/22/2011
 Instrument ID: VOAMS8 BFB Injection Time: 01:35
 Analysis Batch No.: 87107

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	23.0
75	30.0 - 60.0 % of mass 95	48.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	58.3
175	5.0 - 9.0 % of mass 174	4.3 (7.3) 1
176	95.0 - 101.0 % of mass 174	57.1 (98.0) 1
177	5.0 - 9.0 % of mass 176	3.7 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 460-87107/2	j03834.d	09/22/2011	02:30
	IC 460-87107/3	j03836.d	09/22/2011	03:20
	ICIS 460-87107/4	j03837.d	09/22/2011	03:45
	IC 460-87107/5	j03838.d	09/22/2011	04:10
	IC 460-87107/6	j03839.d	09/22/2011	04:35
	IC 460-87107/7	j03840.d	09/22/2011	05:00

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab File ID: j03962.d BFB Injection Date: 09/26/2011
 Instrument ID: VOAMS8 BFB Injection Time: 18:31
 Analysis Batch No.: 87364

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	24.4
75	30.0 - 60.0 % of mass 95	51.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	55.6
175	5.0 - 9.0 % of mass 174	3.8 (6.9) 1
176	95.0 - 101.0 % of mass 174	53.6 (96.6) 1
177	5.0 - 9.0 % of mass 176	3.7 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-87364/2	j03964.d	09/26/2011	19:24
	LCS 460-87364/3	j03965.d	09/26/2011	20:10
	MB 460-87364/4	j03967.d	09/26/2011	21:00
SO-17338-091511-MM-017 MS	460-31328-7 MS	j03979.d	09/27/2011	02:22
SO-17338-091511-MM-017 MSD	460-31328-7 MSD	j03980.d	09/27/2011	02:48
SO-17338-091511-MM-017	460-31328-7	j03982.d	09/27/2011	03:37
	CCV 460-87364/23	j03988.d	09/27/2011	06:08

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Sample No.: CCVIS 460-87364/2 Date Analyzed: 09/26/2011 19:24
 Instrument ID: VOAMS8 GC Column: DB-624 ID: 0.53 (mm)
 Lab File ID (Standard): j03964.d Heated Purge: (Y/N) N
 Calibration ID: 12341

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1054737	7.87	723930	11.32	303495	13.75
UPPER LIMIT		2109474	8.37	1447860	11.82	606990	14.25
LOWER LIMIT		527369	7.37	361965	10.82	151748	13.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-87364/3		1009585	7.84	694534	11.31	271766	13.74
MB 460-87364/4		854126	7.86	643230	11.32	246541	13.74
460-31328-7 MS	SO-17338-091511-MM-01 7 MS	752016	7.86	570058	11.31	255706	13.73
460-31328-7 MSD	SO-17338-091511-MM-01 7 MSD	784453	7.85	597452	11.30	263373	13.74
460-31328-7	SO-17338-091511-MM-01 7	768685	7.85	586118	11.31	252302	13.74
CCV 460-87364/23		781789	7.85	591374	11.32	248077	13.74

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Client Sample ID: SO-17338-091511-MM-017 Lab Sample ID: 460-31328-7

Matrix: Solid Lab File ID: j03982.d

Analysis Method: 8260B Date Collected: 09/15/2011 13:15

Sample wt/vol: 15.05(g) Date Analyzed: 09/27/2011 03:37

Soil Aliquot Vol: 5 (mL) Dilution Factor: 50

Soil Extract Vol.: 25(mL) GC Column: DB-624 ID: 0.53(mm)

% Moisture: 13.3 Level: (low/med) Medium

Analysis Batch No.: 87364 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	96	U	96	24
71-43-2	Benzene	96	U	96	11
10061-01-5	cis-1,3-Dichloropropene	96	U	96	9.8
75-15-0	Carbon disulfide	96	U	96	14
75-25-2	Bromoform	96	U	96	9.5
127-18-4	Tetrachloroethene	96	U	96	19
75-34-3	1,1-Dichloroethane	96	U	96	9.6
107-06-2	1,2-Dichloroethane	96	U	96	24
78-87-5	1,2-Dichloropropane	96	U	96	8.4
79-00-5	1,1,2-Trichloroethane	96	U	96	9.3
67-64-1	Acetone	960	U	960	240
79-20-9	Methyl acetate	190	U	190	31
75-71-8	Dichlorodifluoromethane	96	U	96	27
108-10-1	4-Methyl-2-pentanone (MIBK)	960	U	960	65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	96	U	96	28
75-09-2	Methylene Chloride	96	U	96	18
74-87-3	Chloromethane	96	U	96	20
74-83-9	Bromomethane	96	U	96	30
124-48-1	Chlorodibromomethane	96	U	96	9.6
108-88-3	Toluene	96	U	96	9.1
120-82-1	1,2,4-Trichlorobenzene	96	U	96	42
108-90-7	Chlorobenzene	96	U	96	16
96-12-8	1,2-Dibromo-3-Chloropropane	96	U	96	15
541-73-1	1,3-Dichlorobenzene	96	U	96	22
1634-04-4	Methyl tert-butyl ether	96	U	96	18
100-42-5	Styrene	96	U	96	13
156-60-5	trans-1,2-Dichloroethene	96	U	96	13
79-34-5	1,1,2,2-Tetrachloroethane	96	U	96	8.3
75-00-3	Chloroethane	96	U	96	43
75-35-4	1,1-Dichloroethene	96	U	96	13
95-50-1	1,2-Dichlorobenzene	96	U	96	16
79-01-6	Trichloroethene	96	U	96	17
591-78-6	2-Hexanone	960	U	960	52
78-93-3	2-Butanone (MEK)	960	U	960	79
100-41-4	Ethylbenzene	96	U	96	24
98-82-8	Isopropylbenzene	96	U	96	20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: SO-17338-091511-MM-017 Lab Sample ID: 460-31328-7
 Matrix: Solid Lab File ID: j03982.d
 Analysis Method: 8260B Date Collected: 09/15/2011 13:15
 Sample wt/vol: 15.05(g) Date Analyzed: 09/27/2011 03:37
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50
 Soil Extract Vol.: 25(mL) GC Column: DB-624 ID: 0.53(mm)
 % Moisture: 13.3 Level: (low/med) Medium
 Analysis Batch No.: 87364 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-87-2	Methylcyclohexane	96	U	96	7.7
75-69-4	Trichlorofluoromethane	96	U	96	15
1330-20-7	Xylenes, Total	290	U	290	42
110-82-7	Cyclohexane	96	U	96	12
10061-02-6	trans-1,3-Dichloropropene	96	U	96	12
156-59-2	cis-1,2-Dichloroethene	96	U	96	19
67-66-3	Chloroform	96	U	96	15
75-01-4	Vinyl chloride	96	U	96	11
106-93-4	Ethylene Dibromide	96	U	96	8.7
56-23-5	Carbon tetrachloride	96	U	96	17
106-46-7	1,4-Dichlorobenzene	96	U	96	14
75-27-4	Dichlorobromomethane	96	U	96	8.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		57-135
460-00-4	4-Bromofluorobenzene	106		50-124
2037-26-5	Toluene-d8 (Surr)	97		46-130

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03982.d
 Report Date: 29-Sep-2011 15:40

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03982.d
 Lab Smp Id: 460-31328-C-7-A Client Smp ID: S0-17338-091511-MM-
 Inj Date : 27-SEP-2011 03:37
 Operator : Inst ID: VOAMS8.i
 Smp Info : 460-31328-C-7-A;50;;15.05;25
 Misc Info : 460-31328-C-7-A
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/8260DE_09.m
 Meth Date : 26-Sep-2011 19:38 ken Quant Type: ISTD
 Cal Date : 26-SEP-2011 19:24 Cal File: j03964.d
 Als bottle: 15
 Dil Factor: 50.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	25.00000	Volume of final extract (mL)
Ws	15.05000	Weight of sample extracted (g)
M	13.28125	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/L)	FINAL (ug/Kg)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.444	7.457	(0.948)	288445	49.7660	4800	
* 52 Fluorobenzene	96	7.855	7.866	(1.000)	768685	50.0000		
\$ 65 Toluene-d8 (SUR)	98	9.718	9.723	(0.859)	633602	48.3022	4600	
* 78 Chlorobenzene-d5	117	11.312	11.317	(1.000)	586118	50.0000		
\$ 89 Bromofluorobenzene (SUR)	174	12.509	12.511	(0.910)	269278	52.9635	5100	
* 108 1,4-Dichlorobenzene-d4	152	13.741	13.745	(1.000)	252302	50.0000		

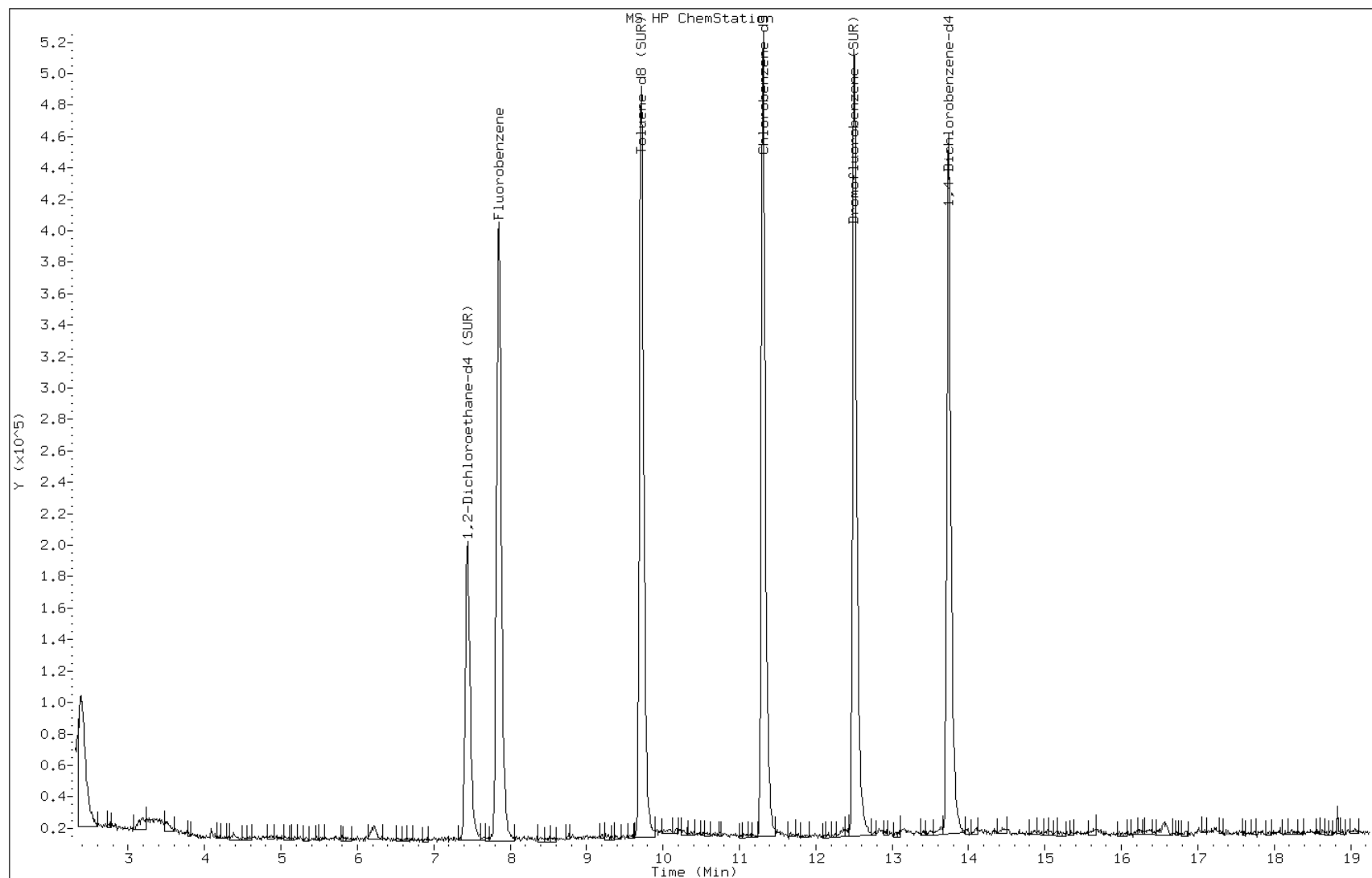
Data File: j03982.d

Date: 27-SEP-2011 03:37

Client ID: S0-17338-091511-MM-

Instrument: VOAMS8.i

Sample Info: 460-31328-C-7-A;50;;15.05;25 Operator:



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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87107

SDG No.: _____

Instrument ID: VOAMS8 GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2011 02:30 Calibration End Date: 09/22/2011 05:00 Calibration ID: 12341

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87107/2	j03834.d
Level 2	IC 460-87107/3	j03836.d
Level 3	ICIS 460-87107/4	j03837.d
Level 4	IC 460-87107/5	j03838.d
Level 5	IC 460-87107/6	j03839.d
Level 6	IC 460-87107/7	j03840.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.4193 0.6975	0.6015	0.5825	0.5270	0.6063	QuaF		1.7782	-0.049						0.9999		0.9900
Chloromethane	0.3402 0.5131	0.3857	0.3925	0.3760	0.4519	QuaF		2.3891	-0.086						0.9998		0.9900
Vinyl chloride	0.3494 0.5171	0.3621	0.3893	0.3811	0.4686	QuaF		2.2876	-0.069						0.9998		0.9900
Bromomethane	0.3968 0.4253	0.3789	0.3825	0.3491	0.4082	Ave		0.3901			0.1000	6.8		30.0			
Chloroethane	0.2212 0.2583	0.2374	0.2419	0.2270	0.2523	Ave		0.2397			0.1000	6.0		30.0			
Trichlorofluoromethane	0.6043 0.8948	0.7594	0.8085	0.7380	0.8077	Ave		0.7688			0.1000	12.6		30.0			
Ethyl ether	0.2586 0.2871	0.2663	0.2855	0.2697	0.2890	Ave		0.2760			0.1000	4.6		30.0			
1,1-Dichloroethene	0.3183 0.3826	0.3659	0.3668	0.3494	0.3775	Ave		0.3601			0.1000	6.5		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.4895 0.6877	0.6525	0.6630	0.5382	0.6508	Ave		0.6136			0.1000	13.0		30.0			
Acetone	0.0250 0.0230	0.0213	0.0254	0.0241	0.0226	Ave		0.0236		*	0.1000	6.7		30.0			
Iodomethane	0.9182 1.0003	1.0215	0.9795	0.8920	1.0469	Ave		0.9764			0.1000	6.2		30.0			
Carbon disulfide	0.9654 1.1636	1.1000	1.1330	1.0474	1.2000	Ave		1.1016			0.1000	7.7		30.0			
Methyl acetate	0.1292 0.0787	0.0878	0.0775	0.0736	0.0804	LinF		0.0789							0.9998		0.9900
Methylene Chloride	0.4346 0.4511	0.4765	0.4320	0.4303	0.4607	Ave		0.4475			0.1000	4.2		30.0			
2-Methyl-2-propanol	0.0323 ++++	0.0292	0.0298	0.0279	0.0305	Ave		0.0299		*	0.1000	5.5		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87107

SDG No.: _____

Instrument ID: VOAMS8 GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2011 02:30 Calibration End Date: 09/22/2011 05:00 Calibration ID: 12341

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl tert-butyl ether	1.1157 0.9937	1.0761	1.0213	0.9450	1.0040	Ave		1.0260			0.1000	6.0		30.0			
Acrylonitrile	0.1040 0.1070	0.0826	0.0875	0.0863	0.0964	Ave		0.0940		*	0.1000	10.7		30.0			
trans-1,2-Dichloroethene	0.3442 0.4310	0.4353	0.4209	0.4064	0.4303	Ave		0.4114			0.1000	8.4		30.0			
Hexane	0.1131 0.1444	0.1548	0.1442	0.1014	0.1329	LinF		0.1427							0.9977		0.9900
1,1-Dichloroethane	0.8442 0.8003	0.8775	0.8640	0.8187	0.8541	Ave		0.8431			0.1000	3.4		30.0			
Isopropyl ether	2.1841 1.6112	2.1004	2.0173	1.7843	1.8714	Ave		1.9281			0.1000	11.1		30.0			
Vinyl acetate	1.8624 1.1536	1.5275	1.3371	1.1878	1.2314	LinF		1.1654							0.9991		0.9900
Tert-butyl ethyl ether	1.5318 1.3533	1.5120	1.5089	1.3414	1.4721	Ave		1.4532			0.1000	5.8		30.0			
cis-1,2-Dichloroethene	0.4279 0.4569	0.4449	0.4618	0.4248	0.4600	Ave		0.4460			0.1000	3.7		30.0			
2-Butanone (MEK)	0.0308 0.0338	0.0278	0.0315	0.0320	0.0336	Ave		0.0316		*	0.1000	7.0		30.0			
2,2-Dichloropropane	0.6583 0.6188	0.7085	0.6677	0.5970	0.6290	Ave		0.6466			0.1000	6.2		30.0			
Ethyl acetate	0.0404 0.0428	0.0378	0.0472	0.0399	0.0421	Ave		0.0417		*	0.1000	7.8		30.0			
Chlorobromomethane	0.2864 0.2848	0.2969	0.2726	0.2754	0.2841	Ave		0.2833			0.1000	3.1		30.0			
Tetrahydrofuran	0.1282 0.0944	0.1217	0.1056	0.0920	0.0973	Ave		0.1065			0.1000	14.2		30.0			
Chloroform	0.8621 0.8651	0.9850	0.9145	0.8791	0.9233	Ave		0.9049			0.1000	5.2		30.0			
1,1,1-Trichloroethane	0.5609 0.6747	0.7195	0.6825	0.6689	0.6897	Ave		0.6660			0.1000	8.2		30.0			
Cyclohexane	0.4137 0.4099	0.4626	0.4165	0.3327	0.3965	Ave		0.4053			0.1000	10.4		30.0			
1,1-Dichloropropene	0.5340 0.5753	0.6546	0.6327	0.5970	0.6249	Ave		0.6031			0.1000	7.3		30.0			
Carbon tetrachloride	0.5307 0.6229	0.6199	0.6260	0.5821	0.6393	Ave		0.6035			0.1000	6.7		30.0			
Benzene	1.6309 1.4112	1.5647	1.6073	1.6103	1.6250	Ave		1.5749			0.1000	5.3		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87107

SDG No.: _____

Instrument ID: VOAMS8 GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2011 02:30 Calibration End Date: 09/22/2011 05:00 Calibration ID: 12341

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropyl acetate	1.4933 0.9227	1.2881	1.2273	1.1227	1.1291	LinF		0.9587							0.9911		0.9900
1,2-Dichloroethane	0.4796 0.4750	0.5660	0.5342	0.4985	0.5104	Ave		0.5106			0.1000	6.8		30.0			
Tert-amyl methyl ether	1.2100 1.0279	1.2214	1.1795	1.0643	1.1272	Ave		1.1384			0.1000	7.0		30.0			
Trichloroethene	0.4203 0.4510	0.4823	0.4729	0.4556	0.4687	Ave		0.4585			0.1000	4.8		30.0			
Ethyl acrylate	0.7086 0.5162	0.5674	0.5372	0.4951	0.5392	Ave		0.5606			0.1000	13.6		30.0			
Methylcyclohexane	0.2096 0.2636	0.2797	0.2737	0.2036	0.2586	Ave		0.2481			0.1000	13.3		30.0			
1,2-Dichloropropane	0.4955 0.4823	0.5561	0.5272	0.4905	0.5069	Ave		0.5098			0.1000	5.4		30.0			
Methyl methacrylate	0.1312 0.0934	0.1004	0.1038	0.0936	0.0986	Ave		0.1035			0.1000	13.7		30.0			
Dibromomethane	0.4750 0.3982	0.4452	0.4431	0.4118	0.4205	Ave		0.4323			0.1000	6.4		30.0			
Dichlorobromomethane	0.8918 0.8121	0.9437	0.9140	0.8569	0.8956	Ave		0.8857			0.1000	5.2		30.0			
2-Chloroethyl vinyl ether	0.2594 0.2555	0.2501	0.2294	0.2308	0.2786	Ave		0.2506			0.1000	7.4		30.0			
Epichlorohydrin	0.0542 0.0508	0.0509	0.0548	0.0527	0.0545	Ave		0.0530		*	0.1000	3.4		30.0			
cis-1,3-Dichloropropene	1.1168 0.9785	1.0186	1.0646	1.0433	1.0844	Ave		1.0510			0.1000	4.7		30.0			
4-Methyl-2-pentanone (MIBK)	0.6040 0.5960	0.5609	0.5908	0.5808	0.6379	Ave		0.5951			0.1000	4.3		30.0			
Toluene	1.6598 1.3947	1.6128	1.5689	1.5794	1.5650	Ave		1.5634			0.1000	5.8		30.0			
trans-1,3-Dichloropropene	0.9812 0.8304	0.8492	0.8608	0.8582	0.9033	Ave		0.8805			0.1000	6.2		30.0			
1,1,2-Trichloroethane	0.4969 0.4767	0.5071	0.5160	0.5149	0.5204	Ave		0.5053			0.1000	3.2		30.0			
Tetrachloroethene	0.4287 0.5500	0.4926	0.5500	0.5107	0.5433	Ave		0.5125			0.1000	9.2		30.0			
1,3-Dichloropropane	0.8970 0.8713	0.8925	0.9666	0.9293	0.9450	Ave		0.9170			0.1000	3.9		30.0			
2-Hexanone	0.3620 0.3407	0.3344	0.3474	0.3471	0.3629	Ave		0.3491			0.1000	3.3		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87107

SDG No.: _____

Instrument ID: VOAMS8 GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2011 02:30 Calibration End Date: 09/22/2011 05:00 Calibration ID: 12341

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Butyl acetate	0.1359 0.1683	0.1688	0.1675	0.1735	0.1742	Ave		0.1647			0.1000	8.7		30.0			
Chlorodibromomethane	0.8660 0.8945	0.8569	0.9341	0.9133	0.9847	Ave		0.9082			0.1000	5.2		30.0			
Ethylene Dibromide	0.7321 0.7798	0.7809	0.7833	0.8137	0.8425	Ave		0.7887			0.1000	4.7		30.0			
Chlorobenzene	0.9333 1.0097	1.0281	1.0958	1.0577	1.1410	Ave		1.0443			0.1000	6.9		30.0			
1,1,1,2-Tetrachloroethane	0.5157 0.6271	0.5972	0.6106	0.5956	0.6309	Ave		0.5962			0.1000	7.1		30.0			
Ethylbenzene	0.3678 0.3956	0.4183	0.4197	0.4066	0.4306	Ave		0.4064			0.1000	5.5		30.0			
m-Xylene & p-Xylene	0.4801 0.4978	0.5301	0.5512	0.5477	0.5611	Ave		0.5280			0.1000	6.1		30.0			
n-Butyl acrylate	0.3893 0.5092	0.4450	0.4563	0.4667	0.5087	Ave		0.4626			0.1000	9.7		30.0			
o-Xylene	0.4651 0.5029	0.5129	0.5382	0.5250	0.5691	Ave		0.5189			0.1000	6.7		30.0			
Styrene	0.9565 0.9202	0.9498	1.0045	0.9782	1.0694	Ave		0.9798			0.1000	5.3		30.0			
Bromoform	0.4704 0.6389	0.5476	0.5897	0.6069	0.6440	Ave		0.5829			0.1000	11.2		30.0			
Isopropylbenzene	1.0553 1.1505	1.1842	1.3510	1.2149	1.2770	Ave		1.2055			0.1000	8.5		30.0			
Camphene	0.3931 0.3663	0.3611	0.3556	0.2560	0.3459	Ave		0.3463			0.1000	13.6		30.0			
1,1,2,2-Tetrachloroethane	2.1087 1.7127	2.2920	1.9808	1.9270	1.8693	Ave		1.9818			0.1000	10.1		30.0			
Bromobenzene	1.1855 1.0890	1.3120	1.2530	1.1591	1.1853	Ave		1.1973			0.1000	6.4		30.0			
trans-1,4-Dichloro-2-butene	0.4165 0.3095	0.3472	0.3645	0.3423	0.3708	Ave		0.3585			0.1000	9.9		30.0			
1,2,3-Trichloropropane	0.5301 0.3825	0.4888	0.4667	0.4343	0.4200	Ave		0.4537			0.1000	11.6		30.0			
N-Propylbenzene	2.8221 2.4571	3.6972	3.2263	3.2686	2.9438	Ave		3.0692			0.1000	13.9		30.0			
2-Chlorotoluene	2.6572 2.4065	2.2652	3.0818	2.6460	2.7039	Ave		2.6268			0.1000	10.7		30.0			
1,3,5-Trimethylbenzene	2.1029 1.8549	2.5005	2.2542	2.0801	2.0535	Ave		2.1410			0.1000	10.2		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87107

SDG No.: _____

Instrument ID: VOAMS8 GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2011 02:30 Calibration End Date: 09/22/2011 05:00 Calibration ID: 12341

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Butyl Methacrylate	1.6930 1.7414	1.9476	1.8772	1.7942	1.8328	Ave		1.8144			0.1000	5.1		30.0			
4-Chlorotoluene	2.8624 2.5216	3.2382	2.9569	2.9352	2.7318	Ave		2.8743			0.1000	8.3		30.0			
tert-Butylbenzene	1.8605 1.9382	2.2571	2.1232	1.9831	2.0009	Ave		2.0272			0.1000	7.0		30.0			
1,2,4-Trimethylbenzene	2.1845 2.0836	2.4843	2.3564	2.1706	2.1386	Ave		2.2363			0.1000	6.8		30.0			
sec-Butylbenzene	2.1783 2.3407	3.0443	2.8494	2.6047	2.5926	Ave		2.6017			0.1000	12.2		30.0			
4-Isopropyltoluene	1.7866 2.0328	2.3431	2.1403	2.0791	1.9970	Ave		2.0631			0.1000	8.8		30.0			
1,3-Dichlorobenzene	1.2742 1.3828	1.5229	1.3955	1.3236	1.4489	Ave		1.3913			0.1000	6.3		30.0			
1,4-Dichlorobenzene	1.4071 1.7366	1.9333	1.8659	1.8497	1.8565	Ave		1.7749			0.1000	10.8		30.0			
Benzyl chloride	1.7829 1.8704	1.9937	1.9047	1.8646	1.9347	Ave		1.8918			0.1000	3.8		30.0			
n-Butylbenzene	1.5323 2.0281	2.0510	2.1264	1.9635	2.0374	Ave		1.9564			0.1000	10.9		30.0			
1,2-Dichlorobenzene	1.3771 1.5175	1.6183	1.5760	1.5443	1.5193	Ave		1.5254			0.1000	5.4		30.0			
1,2-Dibromo-3-Chloropropane	0.4836 0.3815	0.3527	0.3210	0.3358	0.3659	LinF		0.3791							0.9995		0.9900
1,2,4-Trichlorobenzene	0.3949 0.8314	0.4604	0.5735	0.6618	0.7903	QuaF		1.3302	-0.015						0.9998		0.9900
Hexachlorobutadiene	0.4447 0.5791	0.6047	0.5917	0.5843	0.5952	Ave		0.5666			0.1000	10.7		30.0			
Naphthalene	0.7461 1.3678	0.7103	0.9056	1.0479	1.3386	QuaF		0.7791	-0.004						0.9996		0.9900
1,2,3-Trichlorobenzene	0.2851 0.5553	0.3454	0.4321	0.4956	0.5406	LinF		0.5528							0.9996		0.9900
1,2-Dichloroethane-d4 (Surr)	0.3890 0.3715	0.3770	0.4111	0.3887	0.3793	Ave		0.3861			0.1000	3.6		30.0			
Toluene-d8 (Surr)	1.1105 1.1972	1.0373	1.1964	1.1371	1.2585	Ave		1.1562			0.1000	6.7		30.0			
4-Bromofluorobenzene	1.0648 1.0026	1.0905	1.1257	1.0379	1.0809	Ave		1.0671			0.1000	4.0		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87107

SDG No.: _____

Instrument ID: VOAMS8 GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2011 02:30 Calibration End Date: 09/22/2011 05:00 Calibration ID: 12341

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87107/2	j03834.d
Level 2	IC 460-87107/3	j03836.d
Level 3	ICIS 460-87107/4	j03837.d
Level 4	IC 460-87107/5	j03838.d
Level 5	IC 460-87107/6	j03839.d
Level 6	IC 460-87107/7	j03840.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	QuaF	15960 9200447	105359	383883	905181	3574362	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	QuaF	12950 6768233	67561	258686	645790	2664164	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	QuaF	13301 6820628	63434	256584	654454	2762800	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	15103 5610185	66376	252078	599498	2406446	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	8419 3407159	41580	159429	389920	1487575	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	23003 11803101	133025	532804	1267440	4761746	1.00 500	5.00	20.0	50.0	200
Ethyl ether	FB	Ave	9845 3786430	46647	188166	463199	1703719	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethene	FB	Ave	12115 5046112	64093	241692	600023	2225522	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	18633 9070246	114300	436936	924305	3836695	1.00 500	5.00	20.0	50.0	200
Acetone	FB	Ave	9523 304009	11181	16756	41389	133158	10.0 500	15.0	20.0	50.0	200
Iodomethane	FB	Ave	34952 13194573	178931	645481	1531999	6171936	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	36748 15347618	192687	746684	1798869	7074348	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	LinF	4918 1037928	15379	51050	126406	474162	1.00 500	5.00	20.0	50.0	200
Methylene Chloride	FB	Ave	16542 5949851	83468	284711	739116	2716065	1.00 500	5.00	20.0	50.0	200
2-Methyl-2-propanol	FB	Ave	24607 +++++	102398	393298	957020	3592527	20.0 +++++	100	400	1000	4000
Methyl tert-butyl ether	FB	Ave	42467 13107600	188495	673078	1623066	5918824	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87107

SDG No.: _____

Instrument ID: VOAMS8 GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2011 02:30 Calibration End Date: 09/22/2011 05:00 Calibration ID: 12341

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acrylonitrile	FB	Ave	7916 564293	28943	57663	148296	284310	2.00 200	10.0	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	13102 5684564	76246	277402	698012	2536937	1.00 500	5.00	20.0	50.0	200
Hexane	FB	LinF	4304 1905060	27114	95008	174085	783462	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	32132 10556609	153713	569389	1406042	5035119	1.00 500	5.00	20.0	50.0	200
Isopropyl ether	FB	Ave	83137 21252556	367903	1329393	3064577	11032589	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	LinF	70889 15215566	267558	881187	2039953	7259921	1.00 500	5.00	20.0	50.0	200
Tert-butyl ethyl ether	FB	Ave	58305 17849919	264852	994361	2303809	8678701	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	16289 6026371	77935	304300	729538	2711919	1.00 500	5.00	20.0	50.0	200
2-Butanone (MEK)	FB	Ave	11727 446353	14600	20763	54992	198000	10.0 500	15.0	20.0	50.0	200
2,2-Dichloropropane	FB	Ave	25056 8162742	124109	440048	1025343	3708347	1.00 500	5.00	20.0	50.0	200
Ethyl acetate	FB	Ave	3073 1129396	13236	62226	136897	495850	2.00 1000	10.0	40.0	100	400
Chlorobromomethane	FB	Ave	10900 3756393	52000	179621	472983	1675086	1.00 500	5.00	20.0	50.0	200
Tetrahydrofuran	FB	Ave	4880 1245591	21312	69559	157981	573908	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	32817 11411462	172531	602670	1509803	5443415	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	21350 8900016	126028	449796	1148794	4066021	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	Ave	15747 5406193	81024	274450	571371	2337855	1.00 500	5.00	20.0	50.0	200
1,1-Dichloropropene	FB	Ave	20328 7587663	114665	416949	1025378	3684295	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	20200 8215596	108582	412544	999675	3768967	1.00 500	5.00	20.0	50.0	200
Benzene	CBZ	Ave	45012 12830150	210449	770758	1909594	6566844	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	LinF	113685 24342074	451238	1617634	3856521	13312788	2.00 1000	10.0	40.0	100	400
1,2-Dichloroethane	FB	Ave	18255 6265194	99141	352051	856125	3008768	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87107

SDG No.: _____

Instrument ID: VOAMS8 GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2011 02:30 Calibration End Date: 09/22/2011 05:00 Calibration ID: 12341

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tert-amyl methyl ether	FB	Ave	46057 13558490	213936	777298	1827935	6645606	1.00 500	5.00	20.0	50.0	200
Trichloroethene	FB	Ave	16000 5948625	84474	311675	782471	2762993	1.00 500	5.00	20.0	50.0	200
Ethyl acrylate	FB	Ave	26974 6809154	99383	354008	850319	3178720	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	7978 3477370	48996	180353	349622	1524321	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	18861 6362283	97413	347407	842512	2988452	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	FB	Ave	4994 1232115	17590	68433	160672	581517	1.00 500	5.00	20.0	50.0	200
Dibromomethane	FB	Ave	18082 5252834	77989	291995	707279	2479096	1.00 500	5.00	20.0	50.0	200
Dichlorobromomethane	FB	Ave	33944 10711443	165308	602321	1471755	5280142	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	FB	Ave	9873 3369658	43816	151201	396440	1642294	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	CBZ	Ave	29910 9231198	137008	525974	1250516	4401100	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	CBZ	Ave	30822 8895744	137001	510524	1237217	4382317	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	166703 5418320	226304	283331	688796	2577675	10.0 500	15.0	20.0	50.0	200
Toluene	CBZ	Ave	45809 12679698	216911	752340	1872886	6324406	1.00 500	5.00	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	Ave	27081 7549360	114210	412815	1017694	3650197	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	13713 4333790	68198	247423	610633	2102812	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	11831 4999906	66254	263737	605647	2195342	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	24757 7921759	120041	463515	1102045	3818950	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	Ave	99907 3097120	134942	166616	411630	1466511	10.0 500	15.0	20.0	50.0	200
n-Butyl acetate	CBZ	Ave	7501 3060622	45408	160656	411588	1408142	2.00 1000	10.0	40.0	100	400
Chlorodibromomethane	CBZ	Ave	23900 8131983	115254	447930	1083011	3979248	1.00 500	5.00	20.0	50.0	200
Ethylene Dibromide	CBZ	Ave	20204 7089894	105029	375637	964876	3404694	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87107

SDG No.: _____

Instrument ID: VOAMS8 GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2011 02:30 Calibration End Date: 09/22/2011 05:00 Calibration ID: 12341

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	25757 9179998	138268	525460	1254289	4610877	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	Ave	14234 5701164	80323	292805	706255	2549569	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	10151 3596637	56263	201274	482153	1739933	1.00 500	5.00	20.0	50.0	200
m-Xylene & p-Xylene	CBZ	Ave	26501 9052206	142589	528661	1299085	4535105	2.00 1000	10.0	40.0	100	400
n-Butyl acrylate	CBZ	Ave	10744 4629670	59849	218821	553474	2055880	1.00 500	5.00	20.0	50.0	200
o-Xylene	CBZ	Ave	12835 4572267	68985	258099	622559	2299697	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	26398 8366380	127739	481679	1160054	4321534	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	Ave	12983 5808832	73653	282794	719726	2602510	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	29125 10460177	159273	647841	1440728	5160607	1.00 500	5.00	20.0	50.0	200
Camphene	CBZ	Ave	10848 3330239	48565	170502	303538	1397760	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	22563 7579842	116284	408797	1014181	3528097	1.00 500	5.00	20.0	50.0	200
Bromobenzene	DCB	Ave	12685 4819774	66561	258591	610052	2237063	1.00 500	5.00	20.0	50.0	200
trans-1,4-Dichloro-2-butene	DCB	Ave	4457 1369967	17615	75223	180150	699916	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	5672 1692998	24798	96317	228570	792652	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCB	Ave	30196 10874525	187575	665836	1720273	5556037	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	28432 10650215	114923	636012	1392583	5103126	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	22501 8209117	126863	465200	1094746	3875726	1.00 500	5.00	20.0	50.0	200
Butyl Methacrylate	DCB	Ave	18115 7706811	98811	387402	944312	3459087	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	30628 11159737	164287	610223	1544800	5155864	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	19907 8577687	114511	438175	1043728	3776396	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	23374 9221328	126040	486307	1142399	4036249	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87107

SDG No.: _____

Instrument ID: VOAMS8 GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2011 02:30 Calibration End Date: 09/22/2011 05:00 Calibration ID: 12341

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
sec-Butylbenzene	DCB	Ave	23308 10359351	154452	588047	1370849	4893128	1.00 500	5.00	20.0	50.0	200
4-Isopropyltoluene	DCB	Ave	19116 8996334	118873	441714	1094219	3769068	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	13634 6119630	77265	287992	696643	2734606	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	15056 7685834	98086	385073	973526	3503954	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	Ave	19077 8277819	101148	393086	981335	3651508	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	Ave	16396 8975541	104055	438840	1033384	3845233	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	14735 6715796	82102	325248	812794	2867468	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	LinF	5174 1688558	17895	66244	176721	690534	1.00 500	5.00	20.0	50.0	200
1,2,4-Trichlorobenzene	DCB	QuaF	4225 3679457	23357	118366	348293	1491639	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	Ave	4758 2563054	30679	122109	307517	1123392	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCB	QuaF	7983 6053480	36035	186888	551516	2526477	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	LinF	3051 2457800	17523	89175	260841	1020341	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	740440 490026	660301	677344	667612	559071	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	1532389 1088434	1395160	1434275	1348473	1271412	50.0 50.0	50.0	50.0	50.0	50.0
4-Bromofluorobenzene	DCB	Ave	569668 443737	553256	580766	546236	510029	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03834.d
 Report Date: 26-Sep-2011 12:49

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03834.d
 Lab Smp Id: IC-VMCAL1
 Inj Date : 22-SEP-2011 02:30
 Operator : Inst ID: VOAMS8.i
 Smp Info : IC-VMCAL1
 Misc Info :
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/8260DE_09.m
 Meth Date : 24-Sep-2011 00:57 ken Quant Type: ISTD
 Cal Date : 22-SEP-2011 02:30 Cal File: j03834.d
 Als bottle: 2 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	2.602	2.562 (0.332)		15960	1.00000	1.0
3 Chloromethane	50	2.737	2.737 (0.349)		12950	1.00000	1.0
4 Vinyl Chloride	62	2.909	2.929 (0.371)		13301	1.00000	1.0
6 Bromomethane	94	3.305	3.297 (0.421)		15103	1.00000	1.0
5 Chloroethane	64	3.405	3.407 (0.434)		8419	1.00000	1.0
7 Trichlorofluoromethane	101	3.750	3.718 (0.478)		23003	1.00000	1.0
11 Ethyl Ether	59	3.994	4.011 (0.509)		9845	1.00000	1.0
15 1,1-Dichloroethene	96	4.305	4.312 (0.549)		12115	1.00000	1.0
14 Freon TF	101	4.333	4.322 (0.552)		18633	1.00000	1.0
16 Acetone	58	4.351	4.358 (0.554)		9523	10.0000	10
17 Iodomethane	142	4.516	4.515 (0.576)		34952	1.00000	1.0
18 Carbon Disulfide	76	4.598	4.598 (0.586)		36748	1.00000	1.0
27 Methyl Acetate	74	4.698	4.708 (0.599)		4918	1.00000	1.0
22 Methylene Chloride	84	4.862	4.868 (0.620)		16542	1.00000	1.0
24 TBA	59	4.954	4.951 (0.631)		24607	20.0000	20
25 trans-1,2-Dichloroethene	96	5.181	5.181 (0.660)		13102	1.00000	1.0

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03834.d
 Report Date: 26-Sep-2011 12:49

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
26 Acrylonitrile	53	5.172	5.153	(0.659)	7916	2.00000	2.0
28 MTBE	73	5.135	5.153	(0.654)	42467	1.00000	1.0
29 Hexane	56	5.461	5.446	(0.696)	4304	1.00000	1.0
30 1,1-Dichloroethane	63	5.671	5.676	(0.723)	32132	1.00000	1.0
31 Vinyl Acetate	43	5.708	5.694	(0.727)	70889	1.00000	1.0(M)
32 DIPE	45	5.708	5.694	(0.727)	83137	1.00000	1.0
35 t-Butyl-ethyl-ether	59	6.140	6.149	(0.782)	58305	1.00000	1.0
37 2,2-Dichloropropane	77	6.396	6.390	(0.815)	25056	1.00000	1.0
36 cis-1,2-Dichloroethene	96	6.396	6.382	(0.815)	16289	1.00000	1.0
38 2-Butanone	72	6.396	6.373	(0.815)	11727	10.0000	10
39 Ethyl Acetate	70	6.414	6.425	(0.817)	3073	2.00000	2.0
40 Bromochloromethane	128	6.691	6.693	(0.853)	10900	1.00000	1.0
41 Tetrahydrofuran	42	6.773	6.749	(0.863)	4880	1.00000	1.0(M)
42 Chloroform	83	6.755	6.767	(0.861)	32817	1.00000	1.0
43 1,1,1-Trichloroethane	97	7.019	7.031	(0.894)	21350	1.00000	1.0
44 Cyclohexane	56	7.092	7.096	(0.904)	15747	1.00000	1.0
45 Carbon Tetrachloride	117	7.249	7.243	(0.924)	20200	1.00000	1.0
46 1,1-Dichloropropene	75	7.239	7.234	(0.923)	20328	1.00000	1.0
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.435	7.434	(0.947)	740440	50.0000	50
48 Benzene	78	7.518	7.517	(0.665)	45012	1.00000	1.0
49 1,2-Dichloroethane	62	7.554	7.535	(0.963)	18255	1.00000	1.0
50 t-Amyl-methyl-ether	73	7.610	7.600	(0.970)	46057	1.00000	1.0
61 Isopropyl Acetate	43	7.527	7.526	(0.959)	113685	2.00000	2.0
* 52 Fluorobenzene	96	7.847	7.848	(1.000)	1903211	50.0000	
54 Trichloroethene	95	8.300	8.292	(1.058)	16000	1.00000	1.0
56 Methyl cyclohexane	83	8.529	8.531	(1.087)	7978	1.00000	1.0
55 Ethyl Acrylate	55	8.383	8.375	(1.068)	26974	1.00000	1.0
57 1,2-Dichloropropane	63	8.593	8.577	(1.095)	18861	1.00000	1.0
58 Dibromomethane	93	8.739	8.732	(1.114)	18082	1.00000	1.0
59 Methyl Methacrylate	100	8.665	8.649	(1.104)	4994	1.00000	1.0
68 Bromodichloromethane	83	8.893	8.888	(1.133)	33944	1.00000	1.0
62 2-Chloroethyl Vinyl Ether	63	9.209	9.207	(1.174)	9873	1.00000	1.0
63 Epichlorohydrin	57	9.323	9.305	(0.825)	29910	20.0000	20
67 cis-1,3-Dichloropropene	75	9.396	9.396	(0.831)	30822	1.00000	1.0
70 4-Methyl-2-Pentanone	43	9.562	9.553	(0.846)	166703	10.0000	10
\$ 65 Toluene-d8 (SUR)	98	9.709	9.708	(0.859)	1532389	50.0000	50
66 Toluene	91	9.801	9.787	(0.867)	45809	1.00000	1.0
64 trans-1,3-Dichloropropene	75	10.038	10.017	(0.888)	27081	1.00000	1.0
69 1,1,2-Trichloroethane	83	10.248	10.236	(0.907)	13713	1.00000	1.0
71 Tetrachloroethene	166	10.396	10.400	(0.920)	11831	1.00000	1.0
72 1,3-Dichloropropane	76	10.432	10.426	(0.923)	24757	1.00000	1.0
73 2-Hexanone	43	10.488	10.482	(0.928)	99907	10.0000	10
74 Dibromochloromethane	129	10.681	10.684	(0.945)	23900	1.00000	1.0
76 Butyl Acetate	73	10.589	10.591	(0.937)	7501	2.00000	2.0
77 1,2-Dibromoethane	107	10.838	10.829	(0.959)	20204	1.00000	1.0
* 78 Chlorobenzene-d5	117	11.301	11.306	(1.000)	1379935	50.0000	
79 Chlorobenzene	112	11.338	11.332	(1.003)	25757	1.00000	1.0

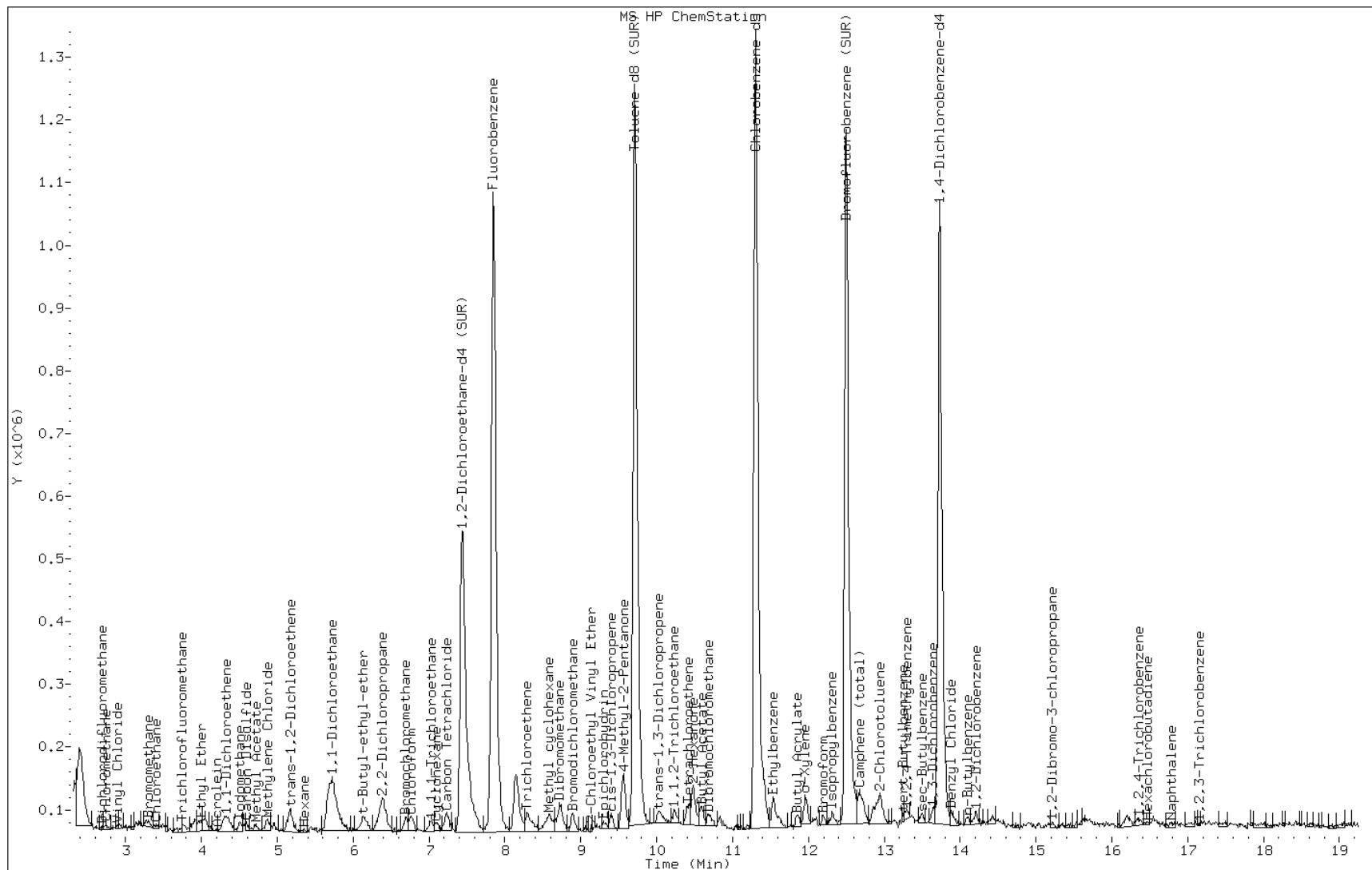
Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03834.d
 Report Date: 26-Sep-2011 12:49

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
80 1,1,1,2-Tetrachloroethane	131	11.420	11.410	(1.010)	14234	1.00000	1.0
81 Ethylbenzene	106	11.429	11.418	(1.011)	10151	1.00000	1.0
82 m+p-Xylene	106	11.548	11.537	(1.022)	26501	2.00000	2.0
84 o-Xylene	106	11.950	11.958	(1.057)	12835	1.00000	1.0
85 Styrene	104	11.968	11.967	(1.059)	26398	1.00000	1.0
83 Butyl Acrylate	73	11.858	11.847	(1.049)	10744	1.00000	1.0
86 Bromoform	173	12.204	12.196	(1.080)	12983	1.00000	1.0
88 Isopropylbenzene	105	12.312	12.315	(1.089)	29125	1.00000	1.0
\$ 89 Bromofluorobenzene (SUR)	174	12.500	12.496	(0.911)	569668	50.0000	50
90 Camphene (total)	93	12.618	12.606	(1.117)	10848	1.00000	1.0
91 Bromobenzene	156	12.671	12.678	(0.923)	12685	1.00000	1.0
92 1,1,2,2-Tetrachloroethane	83	12.618	12.624	(0.919)	22563	1.00000	1.0
93 1,2,3-Trichloropropane	110	12.689	12.686	(0.924)	5672	1.00000	1.0
94 trans-1,4-Dichloro-2-butene	53	12.699	12.678	(0.925)	4457	1.00000	1.0
95 n-Propylbenzene	91	12.726	12.731	(0.927)	30196	1.00000	1.0
96 2-Chlorotoluene	91	12.861	12.850	(0.937)	28432	1.00000	1.0
97 1,3,5-Trimethylbenzene	105	12.888	12.894	(0.939)	22501	1.00000	1.0
98 4-Chlorotoluene	91	12.962	12.959	(0.944)	30628	1.00000	1.0
99 Butyl Methacrylate	87	12.934	12.931	(0.942)	18115	1.00000	1.0
100 tert-Butylbenzene	119	13.256	13.259	(0.966)	19907	1.00000	1.0
101 1,2,4-Trimethylbenzene	105	13.301	13.305	(0.969)	23374	1.00000	1.0
103 sec-Butylbenzene	105	13.498	13.484	(0.983)	23308	1.00000	1.0
105 1,3-Dichlorobenzene	146	13.664	13.667	(0.995)	13634	1.00000	1.0
107 p-Isopropyltoluene	119	13.618	13.621	(0.992)	19116	1.00000	1.0
* 108 1,4-Dichlorobenzene-d4	152	13.729	13.730	(1.000)	534997	50.0000	
109 1,4-Dichlorobenzene	146	13.756	13.756	(1.002)	15056	1.00000	1.0
110 Benzyl Chloride	91	13.894	13.902	(1.012)	19077	1.00000	1.0
106 n-Butylbenzene	91	14.084	14.083	(1.026)	16396	1.00000	1.0
111 1,2-Dichlorobenzene	146	14.210	14.201	(1.035)	14735	1.00000	1.0
112 1,2-Dibromo-3-chloropropane	75	15.175	15.164	(1.105)	5174	1.00000	1.0
114 1,2,4-Trichlorobenzene	180	16.333	16.346	(1.190)	4225	1.00000	1.0
115 Hexachlorobutadiene	225	16.573	16.563	(1.207)	4758	1.00000	1.0
116 Naphthalene	128	16.784	16.782	(1.223)	7983	1.00000	1.0
117 1,2,3-Trichlorobenzene	180	17.197	17.206	(1.253)	3051	1.00000	1.0
M 120 1,2-Dichloroethene (Total)	100				29391	2.00000	2.0
M 121 Xylene (Total)	100				39336	3.00000	3.0

QC Flag Legend

M - Compound response manually integrated.

Operator:

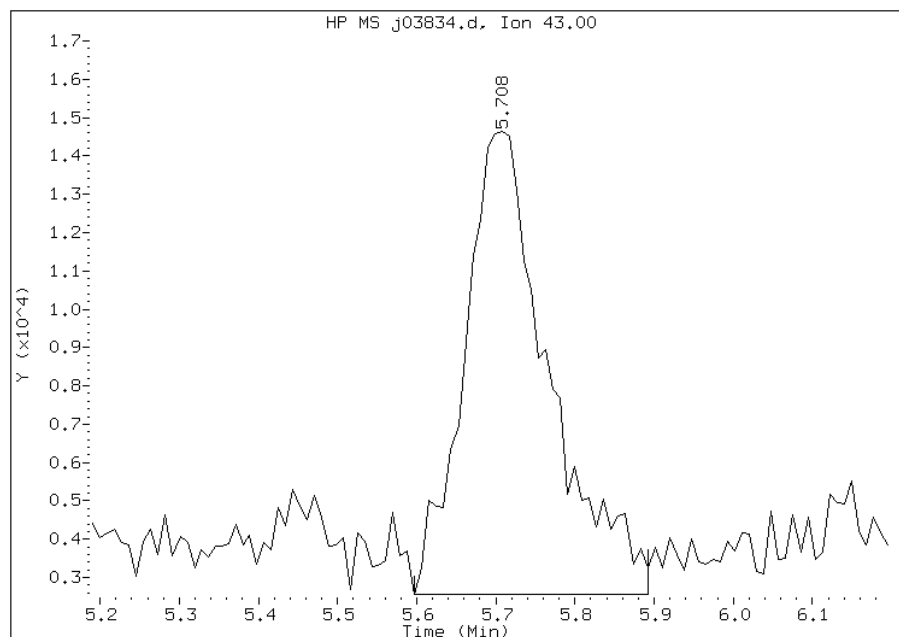


Manual Integration Report

Data File: j03834.d
Inj. Date and Time: 22-SEP-2011 02:30
Instrument ID: VOAMS8.i
Client ID:
Compound: 31 Vinyl Acetate
CAS #: 108-05-4
Report Date: 09/26/2011

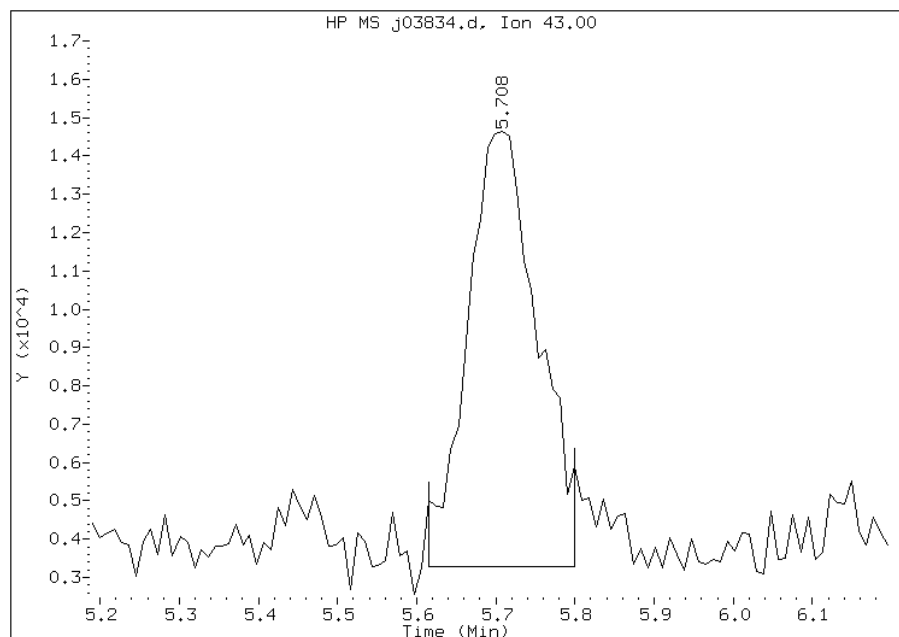
Processing Integration Results

RT: 5.71
Response: 89790
Amount: 2
Conc: 2



Manual Integration Results

RT: 5.71
Response: 70889
Amount: 1
Conc: 1



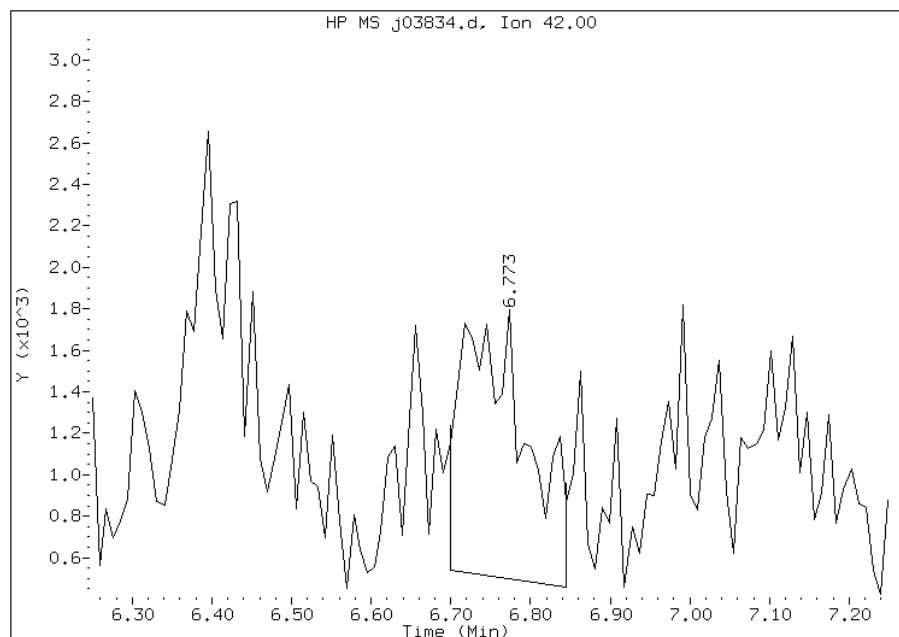
Manually Integrated By: vibha
Manual Integration Reason: Analyte not Identified by the Data System

Manual Integration Report

Data File: j03834.d
Inj. Date and Time: 22-SEP-2011 02:30
Instrument ID: VOAMS8.i
Client ID:
Compound: 41 Tetrahydrofuran
CAS #: 109-99-9
Report Date: 09/26/2011

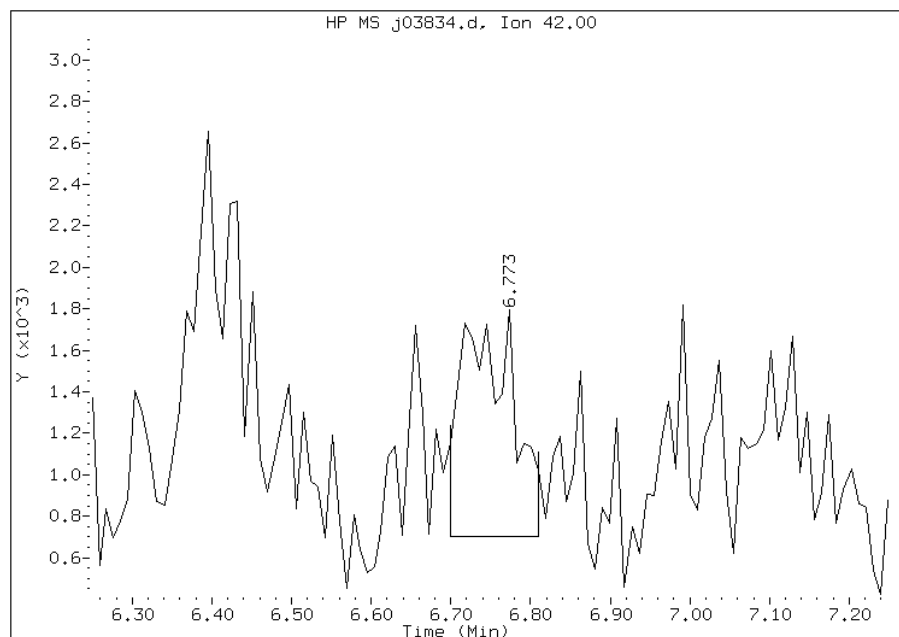
Processing Integration Results

RT: 6.77
Response: 7381
Amount: 2
Conc: 2



Manual Integration Results

RT: 6.77
Response: 4880
Amount: 1
Conc: 1



Manually Integrated By: vibha
Manual Integration Reason: Analyte not Identified by the Data System

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03836.d
 Report Date: 23-Sep-2011 11:42

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03836.d
 Lab Smp Id: IC-VMCAL2
 Inj Date : 22-SEP-2011 03:20
 Operator : Inst ID: VOAMS8.i
 Smp Info : IC-VMCAL2
 Misc Info :
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/8260DE_09.m
 Meth Date : 23-Sep-2011 11:41 audberto Quant Type: ISTD
 Cal Date : 22-SEP-2011 03:20 Cal File: j03836.d
 Als bottle: 3 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	2.582	2.562	(0.329)	105359	5.00000	5.0
3 Chloromethane	50	2.724	2.737	(0.347)	67561	5.00000	5.0
4 Vinyl Chloride	62	2.906	2.929	(0.370)	63434	5.00000	5.0
6 Bromomethane	94	3.290	3.297	(0.419)	66376	5.00000	4.9
5 Chloroethane	64	3.407	3.407	(0.434)	41580	5.00000	5.2
7 Trichlorofluoromethane	101	3.717	3.718	(0.474)	133025	5.00000	5.6
11 Ethyl Ether	59	3.999	4.011	(0.510)	46647	5.00000	5.1
15 1,1-Dichloroethene	96	4.308	4.312	(0.549)	64093	5.00000	5.3
14 Freon TF	101	4.317	4.322	(0.550)	114300	5.00000	5.7
16 Acetone	58	4.363	4.358	(0.556)	11181	15.0000	14
17 Iodomethane	142	4.509	4.515	(0.575)	178931	5.00000	5.3
18 Carbon Disulfide	76	4.597	4.598	(0.586)	192687	5.00000	5.3
27 Methyl Acetate	74	4.705	4.708	(0.600)	15379	5.00000	4.9
22 Methylene Chloride	84	4.869	4.868	(0.621)	83468	5.00000	5.2
24 TBA	59	4.952	4.951	(0.631)	102398	100.000	95
25 trans-1,2-Dichloroethene	96	5.161	5.181	(0.658)	76246	5.00000	5.6

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03836.d
 Report Date: 23-Sep-2011 11:42

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
26 Acrylonitrile	53	5.143	5.153	(0.655)	28943	10.0000	8.8
28 MTBE	73	5.152	5.153	(0.657)	188495	5.00000	4.9
29 Hexane	56	5.442	5.446	(0.694)	27114	5.00000	5.0
30 1,1-Dichloroethane	63	5.678	5.676	(0.724)	153713	5.00000	5.1
31 Vinyl Acetate	43	5.696	5.694	(0.726)	267558	5.00000	4.9
32 DIPE	45	5.696	5.694	(0.726)	367903	5.00000	4.9
35 t-Butyl-ethyl-ether	59	6.135	6.149	(0.782)	264852	5.00000	5.0
37 2,2-Dichloropropane	77	6.390	6.390	(0.814)	124109	5.00000	5.2
36 cis-1,2-Dichloroethene	96	6.381	6.382	(0.813)	77935	5.00000	5.1
38 2-Butanone	72	6.372	6.373	(0.812)	14600	15.0000	14
39 Ethyl Acetate	70	6.418	6.425	(0.818)	13236	10.0000	9.7
40 Bromochloromethane	128	6.707	6.693	(0.855)	52000	5.00000	5.1
41 Tetrahydrofuran	42	6.744	6.749	(0.860)	21312	5.00000	4.9
42 Chloroform	83	6.762	6.767	(0.862)	172531	5.00000	5.3
43 1,1,1-Trichloroethane	97	7.038	7.031	(0.897)	126028	5.00000	5.6
44 Cyclohexane	56	7.091	7.096	(0.904)	81024	5.00000	5.3
45 Carbon Tetrachloride	117	7.238	7.243	(0.922)	108582	5.00000	5.4
46 1,1-Dichloropropene	75	7.238	7.234	(0.922)	114665	5.00000	5.5
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.430	7.434	(0.947)	660301	50.0000	49
48 Benzene	78	7.513	7.517	(0.665)	210449	5.00000	4.9
49 1,2-Dichloroethane	62	7.541	7.535	(0.961)	99141	5.00000	5.4
50 t-Amyl-methyl-ether	73	7.611	7.600	(0.970)	213936	5.00000	5.0
61 Isopropyl Acetate	43	7.522	7.526	(0.959)	451238	10.0000	9.9
* 52 Fluorobenzene	96	7.846	7.848	(1.000)	1751624	50.0000	
54 Trichloroethene	95	8.294	8.292	(1.057)	84474	5.00000	5.3
56 Methyl cyclohexane	83	8.529	8.531	(1.087)	48996	5.00000	5.7
55 Ethyl Acrylate	55	8.377	8.375	(1.068)	99383	5.00000	4.4
57 1,2-Dichloropropane	63	8.584	8.577	(1.094)	97413	5.00000	5.3
58 Dibromomethane	93	8.740	8.732	(1.114)	77989	5.00000	4.8
59 Methyl Methacrylate	100	8.649	8.649	(1.102)	17590	5.00000	4.3
68 Bromodichloromethane	83	8.895	8.888	(1.134)	165308	5.00000	5.1
62 2-Chloroethyl Vinyl Ether	63	9.208	9.207	(1.174)	43816	5.00000	4.9
63 Epichlorohydrin	57	9.309	9.305	(0.824)	137008	100.000	97
67 cis-1,3-Dichloropropene	75	9.400	9.396	(0.832)	137001	5.00000	4.8
70 4-Methyl-2-Pentanone	43	9.556	9.553	(0.846)	226304	15.0000	14
\$ 65 Toluene-d8 (SUR)	98	9.710	9.708	(0.859)	1395160	50.0000	48
66 Toluene	91	9.793	9.787	(0.867)	216911	5.00000	4.9
64 trans-1,3-Dichloropropene	75	10.019	10.017	(0.887)	114210	5.00000	4.6
69 1,1,2-Trichloroethane	83	10.240	10.236	(0.906)	68198	5.00000	5.0
71 Tetrachloroethene	166	10.387	10.400	(0.919)	66254	5.00000	5.3
72 1,3-Dichloropropane	76	10.433	10.426	(0.923)	120041	5.00000	5.0
73 2-Hexanone	43	10.479	10.482	(0.927)	134942	15.0000	14
74 Dibromochloromethane	129	10.697	10.684	(0.947)	115254	5.00000	5.0
76 Butyl Acetate	73	10.596	10.591	(0.938)	45408	10.0000	11
77 1,2-Dibromoethane	107	10.835	10.829	(0.959)	105029	5.00000	5.2
* 78 Chlorobenzene-d5	117	11.301	11.306	(1.000)	1344939	50.0000	
79 Chlorobenzene	112	11.328	11.332	(1.002)	138268	5.00000	5.2

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03836.d
 Report Date: 23-Sep-2011 11:42

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
80 1,1,1,2-Tetrachloroethane	131	11.411	11.410	(1.010)	80323	5.00000	5.4
81 Ethylbenzene	106	11.420	11.418	(1.011)	56263	5.00000	5.3
82 m+p-Xylene	106	11.540	11.537	(1.021)	142589	10.0000	10
84 o-Xylene	106	11.953	11.958	(1.058)	68985	5.00000	5.2
85 Styrene	104	11.971	11.967	(1.059)	127739	5.00000	5.0
83 Butyl Acrylate	73	11.853	11.847	(1.049)	59849	5.00000	5.3
86 Bromoform	173	12.197	12.196	(1.079)	73653	5.00000	5.4
88 Isopropylbenzene	105	12.313	12.315	(1.090)	159273	5.00000	5.3
\$ 89 Bromofluorobenzene (SUR)	174	12.497	12.496	(0.911)	553256	50.0000	50
90 Camphene (total)	93	12.597	12.606	(1.115)	48565	5.00000	4.8
91 Bromobenzene	156	12.690	12.678	(0.925)	66561	5.00000	5.2
92 1,1,2,2-Tetrachloroethane	83	12.625	12.624	(0.920)	116284	5.00000	5.2
93 1,2,3-Trichloropropane	110	12.690	12.686	(0.925)	24798	5.00000	4.8
94 trans-1,4-Dichloro-2-butene	53	12.671	12.678	(0.923)	17615	5.00000	4.5
95 n-Propylbenzene	91	12.735	12.731	(0.928)	187575	5.00000	5.7
96 2-Chlorotoluene	91	12.854	12.850	(0.937)	114923	5.00000	4.6
97 1,3,5-Trimethylbenzene	105	12.898	12.894	(0.940)	126863	5.00000	5.4
98 4-Chlorotoluene	91	12.961	12.959	(0.945)	164287	5.00000	5.3
99 Butyl Methacrylate	87	12.924	12.931	(0.942)	98811	5.00000	5.3
100 tert-Butylbenzene	119	13.262	13.259	(0.967)	114511	5.00000	5.5
101 1,2,4-Trimethylbenzene	105	13.299	13.305	(0.969)	126040	5.00000	5.3
103 sec-Butylbenzene	105	13.490	13.484	(0.983)	154452	5.00000	5.8
105 1,3-Dichlorobenzene	146	13.656	13.667	(0.995)	77265	5.00000	5.4
107 p-Isopropyltoluene	119	13.629	13.621	(0.993)	118873	5.00000	5.7
* 108 1,4-Dichlorobenzene-d4	152	13.721	13.730	(1.000)	507341	50.0000	
109 1,4-Dichlorobenzene	146	13.748	13.756	(1.002)	98086	5.00000	5.8
110 Benzyl Chloride	91	13.896	13.902	(1.013)	101148	5.00000	5.3
106 n-Butylbenzene	91	14.088	14.083	(1.027)	104055	5.00000	5.7
111 1,2-Dichlorobenzene	146	14.198	14.201	(1.035)	82102	5.00000	5.4
112 1,2-Dibromo-3-chloropropane	75	15.151	15.164	(1.104)	17895	5.00000	4.9
114 1,2,4-Trichlorobenzene	180	16.352	16.346	(1.192)	23357	5.00000	5.0
115 Hexachlorobutadiene	225	16.545	16.563	(1.206)	30679	5.00000	5.8
116 Naphthalene	128	16.782	16.782	(1.223)	36035	5.00000	5.0
117 1,2,3-Trichlorobenzene	180	17.195	17.206	(1.253)	17523	5.00000	5.0
M 120 1,2-Dichloroethene (Total)	100				154181	10.0000	11
M 121 Xylene (Total)	100				211574	15.0000	16

Data File: j03836.d

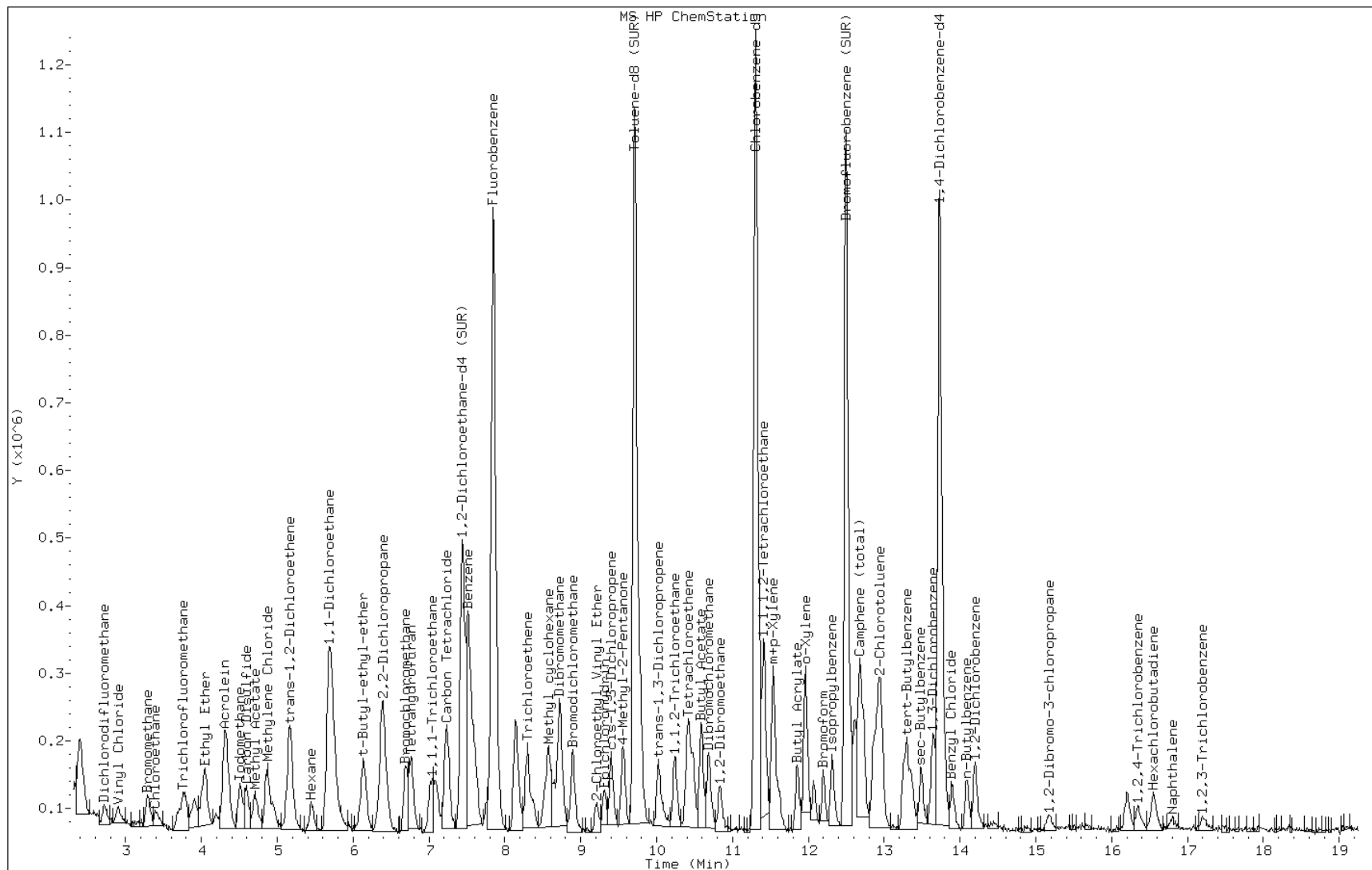
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Client ID:

Instrument: VOAMS8.i

Sample Info: IC-VMCAL2

Operator:



Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03837.d
 Report Date: 23-Sep-2011 11:42

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03837.d
 Lab Smp Id: ICIS-VMCAL3
 Inj Date : 22-SEP-2011 03:45
 Operator : Inst ID: VOAMS8.i
 Smp Info : ICIS-VMCAL3
 Misc Info :
 Comment :
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 Meth Date : 23-Sep-2011 11:42 audberto Quant Type: ISTD
 Cal Date : 22-SEP-2011 03:45 Cal File: j03837.d
 Als bottle: 4 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	2.562	2.562	(0.326)	383883	20.0000	20
3 Chloromethane	50	2.737	2.737	(0.349)	258686	20.0000	20
4 Vinyl Chloride	62	2.929	2.929	(0.373)	256584	20.0000	20
6 Bromomethane	94	3.297	3.297	(0.420)	252078	20.0000	20
5 Chloroethane	64	3.407	3.407	(0.434)	159429	20.0000	21
7 Trichlorofluoromethane	101	3.718	3.718	(0.474)	532804	20.0000	22
11 Ethyl Ether	59	4.011	4.011	(0.511)	188166	20.0000	21
15 1,1-Dichloroethene	96	4.312	4.312	(0.549)	241692	20.0000	21
14 Freon TF	101	4.322	4.322	(0.551)	436936	20.0000	22
16 Acetone	58	4.358	4.358	(0.555)	16756	20.0000	21
17 Iodomethane	142	4.515	4.515	(0.575)	645481	20.0000	20
18 Carbon Disulfide	76	4.598	4.598	(0.586)	746684	20.0000	21
27 Methyl Acetate	74	4.708	4.708	(0.600)	51050	20.0000	20
22 Methylene Chloride	84	4.868	4.868	(0.620)	284711	20.0000	19
24 TBA	59	4.951	4.951	(0.631)	393298	400.000	390
25 trans-1,2-Dichloroethene	96	5.181	5.181	(0.660)	277402	20.0000	21

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03837.d
 Report Date: 23-Sep-2011 11:42

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
26 Acrylonitrile	53	5.153	5.153	(0.657)	57663	20.0000	19
28 MTBE	73	5.153	5.153	(0.657)	673078	20.0000	19
29 Hexane	56	5.446	5.446	(0.694)	95008	20.0000	20
30 1,1-Dichloroethane	63	5.676	5.676	(0.723)	569389	20.0000	20
31 Vinyl Acetate	43	5.694	5.694	(0.726)	881187	20.0000	20
32 DIPE	45	5.694	5.694	(0.726)	1329393	20.0000	19
35 t-Butyl-ethyl-ether	59	6.149	6.149	(0.783)	994361	20.0000	20
37 2,2-Dichloropropane	77	6.390	6.390	(0.814)	440048	20.0000	20
36 cis-1,2-Dichloroethene	96	6.382	6.382	(0.813)	304300	20.0000	21
38 2-Butanone	72	6.373	6.373	(0.812)	20763	20.0000	21
39 Ethyl Acetate	70	6.425	6.425	(0.819)	62226	40.0000	45
40 Bromochloromethane	128	6.693	6.693	(0.853)	179621	20.0000	19
41 Tetrahydrofuran	42	6.749	6.749	(0.860)	69559	20.0000	18
42 Chloroform	83	6.767	6.767	(0.862)	602670	20.0000	20
43 1,1,1-Trichloroethane	97	7.031	7.031	(0.896)	449796	20.0000	21
44 Cyclohexane	56	7.096	7.096	(0.904)	274450	20.0000	19
45 Carbon Tetrachloride	117	7.243	7.243	(0.923)	412544	20.0000	21
46 1,1-Dichloropropene	75	7.234	7.234	(0.922)	416949	20.0000	21
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.434	7.434	(0.947)	677344	50.0000	52
48 Benzene	78	7.517	7.517	(0.665)	770758	20.0000	20
49 1,2-Dichloroethane	62	7.535	7.535	(0.960)	352051	20.0000	20
50 t-Amyl-methyl-ether	73	7.600	7.600	(0.968)	777298	20.0000	20
61 Isopropyl Acetate	43	7.526	7.526	(0.959)	1617634	40.0000	40
* 52 Fluorobenzene	96	7.848	7.848	(1.000)	1647525	50.0000	
54 Trichloroethene	95	8.292	8.292	(1.057)	311675	20.0000	21
56 Methyl cyclohexane	83	8.531	8.531	(1.087)	180353	20.0000	22
55 Ethyl Acrylate	55	8.375	8.375	(1.067)	354008	20.0000	18
57 1,2-Dichloropropane	63	8.577	8.577	(1.093)	347407	20.0000	20
58 Dibromomethane	93	8.732	8.732	(1.113)	291995	20.0000	19
59 Methyl Methacrylate	100	8.649	8.649	(1.102)	68433	20.0000	18
68 Bromodichloromethane	83	8.888	8.888	(1.132)	602321	20.0000	20
62 2-Chloroethyl Vinyl Ether	63	9.207	9.207	(1.173)	151201	20.0000	19
63 Epichlorohydrin	57	9.305	9.305	(0.823)	525974	400.000	410
67 cis-1,3-Dichloropropene	75	9.396	9.396	(0.831)	510524	20.0000	20
70 4-Methyl-2-Pentanone	43	9.553	9.553	(0.845)	283331	20.0000	20
\$ 65 Toluene-d8 (SUR)	98	9.708	9.708	(0.859)	1434275	50.0000	54
66 Toluene	91	9.787	9.787	(0.866)	752340	20.0000	19
64 trans-1,3-Dichloropropene	75	10.017	10.017	(0.886)	412815	20.0000	19
69 1,1,2-Trichloroethane	83	10.236	10.236	(0.905)	247423	20.0000	20
71 Tetrachloroethene	166	10.400	10.400	(0.920)	263737	20.0000	22
72 1,3-Dichloropropane	76	10.426	10.426	(0.922)	463515	20.0000	21
73 2-Hexanone	43	10.482	10.482	(0.927)	166616	20.0000	20
74 Dibromochloromethane	129	10.684	10.684	(0.945)	447930	20.0000	21
76 Butyl Acetate	73	10.591	10.591	(0.937)	160656	40.0000	42
77 1,2-Dibromoethane	107	10.829	10.829	(0.958)	375637	20.0000	20
* 78 Chlorobenzene-d5	117	11.306	11.306	(1.000)	1198859	50.0000	
79 Chlorobenzene	112	11.332	11.332	(1.002)	525460	20.0000	22

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03837.d
 Report Date: 23-Sep-2011 11:42

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
80 1,1,1,2-Tetrachloroethane	131	11.410	11.410	(1.009)	292805	20.0000	21
81 Ethylbenzene	106	11.418	11.418	(1.010)	201274	20.0000	21
82 m+p-Xylene	106	11.537	11.537	(1.020)	528661	40.0000	42
84 o-Xylene	106	11.958	11.958	(1.058)	258099	20.0000	21
85 Styrene	104	11.967	11.967	(1.058)	481679	20.0000	21
83 Butyl Acrylate	73	11.847	11.847	(1.048)	218821	20.0000	21
86 Bromoform	173	12.196	12.196	(1.079)	282794	20.0000	22
88 Isopropylbenzene	105	12.315	12.315	(1.089)	647841	20.0000	22
\$ 89 Bromofluorobenzene (SUR)	174	12.496	12.496	(0.910)	580766	50.0000	51
90 Camphene (total)	93	12.606	12.606	(1.115)	170502	20.0000	19
91 Bromobenzene	156	12.678	12.678	(0.923)	258591	20.0000	20
92 1,1,2,2-Tetrachloroethane	83	12.624	12.624	(0.919)	408797	20.0000	19
93 1,2,3-Trichloropropane	110	12.686	12.686	(0.924)	96317	20.0000	19
94 trans-1,4-Dichloro-2-butene	53	12.678	12.678	(0.923)	75223	20.0000	19
95 n-Propylbenzene	91	12.731	12.731	(0.927)	665836	20.0000	20
96 2-Chlorotoluene	91	12.850	12.850	(0.936)	636012	20.0000	23
97 1,3,5-Trimethylbenzene	105	12.894	12.894	(0.939)	465200	20.0000	20
98 4-Chlorotoluene	91	12.959	12.959	(0.944)	610223	20.0000	20
99 Butyl Methacrylate	87	12.931	12.931	(0.942)	387402	20.0000	20
100 tert-Butylbenzene	119	13.259	13.259	(0.966)	438175	20.0000	20
101 1,2,4-Trimethylbenzene	105	13.305	13.305	(0.969)	486307	20.0000	20
103 sec-Butylbenzene	105	13.484	13.484	(0.982)	588047	20.0000	21
105 1,3-Dichlorobenzene	146	13.667	13.667	(0.995)	287992	20.0000	20
107 p-Isopropyltoluene	119	13.621	13.621	(0.992)	441714	20.0000	20
* 108 1,4-Dichlorobenzene-d4	152	13.730	13.730	(1.000)	515937	50.0000	
109 1,4-Dichlorobenzene	146	13.756	13.756	(1.002)	385073	20.0000	22
110 Benzyl Chloride	91	13.902	13.902	(1.013)	393086	20.0000	20
106 n-Butylbenzene	91	14.083	14.083	(1.026)	438840	20.0000	22
111 1,2-Dichlorobenzene	146	14.201	14.201	(1.034)	325248	20.0000	21
112 1,2-Dibromo-3-chloropropane	75	15.164	15.164	(1.104)	66244	20.0000	20
114 1,2,4-Trichlorobenzene	180	16.346	16.346	(1.190)	118366	20.0000	20
115 Hexachlorobutadiene	225	16.563	16.563	(1.206)	122109	20.0000	22
116 Naphthalene	128	16.782	16.782	(1.222)	186888	20.0000	20
117 1,2,3-Trichlorobenzene	180	17.206	17.206	(1.253)	89175	20.0000	20
M 120 1,2-Dichloroethene (Total)	100				581702	40.0000	42
M 121 Xylene (Total)	100				786760	60.0000	64

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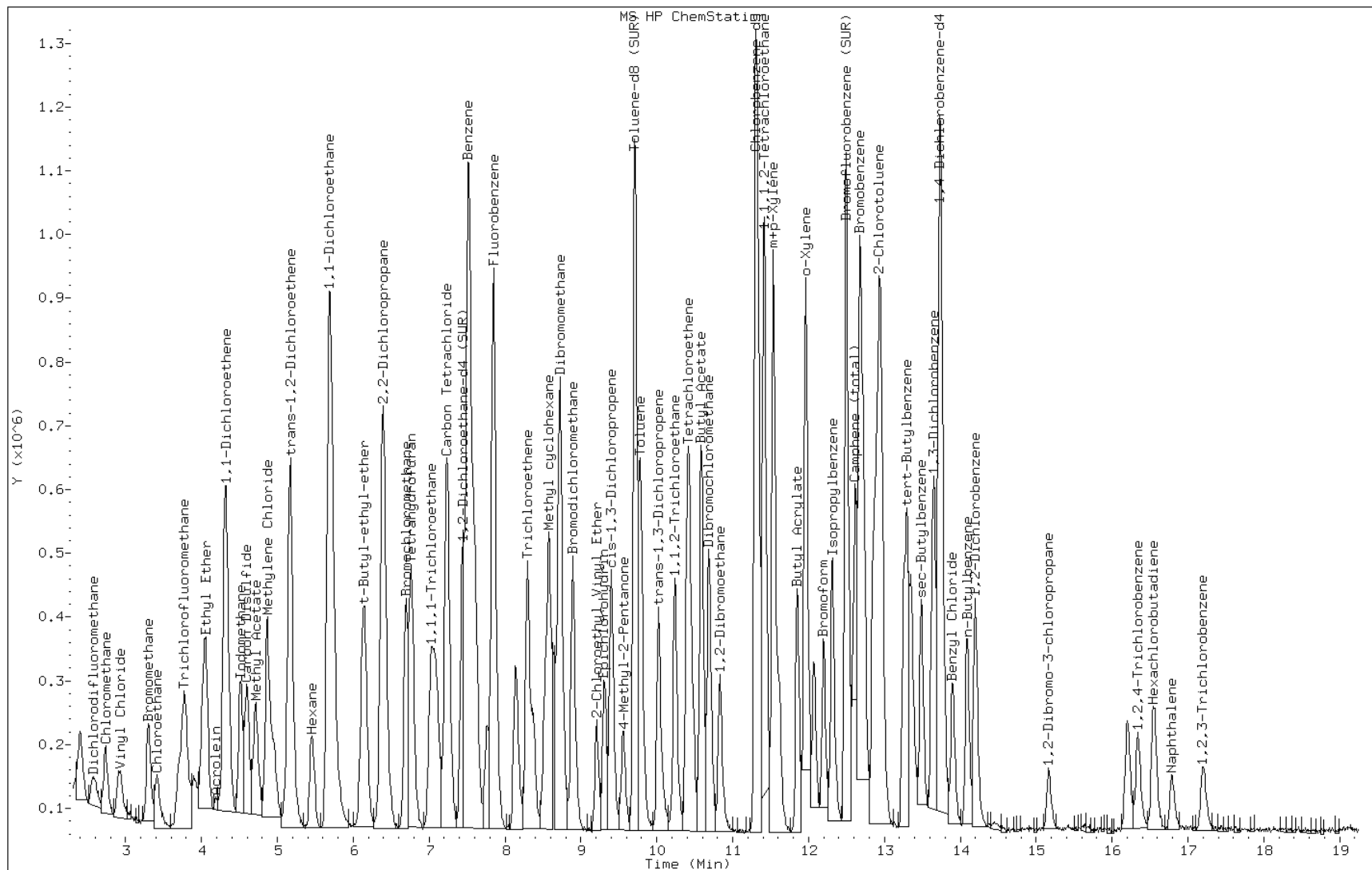
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Instrument: VOAMS8.i

Sample Info: ICIS-VMCAL3

Operator:



Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03838.d
 Report Date: 23-Sep-2011 11:42

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03838.d
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 Inj Date : 22-SEP-2011 04:10
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 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/8260DE_09.m
 Meth Date : 23-Sep-2011 11:42 audberto Quant Type: ISTD
 Cal Date : 22-SEP-2011 03:45 Cal File: j03837.d
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	2.573	2.562	(0.328)	905181	50.0000	49
3 Chloromethane	50	2.739	2.737	(0.349)	645790	50.0000	50
4 Vinyl Chloride	62	2.922	2.929	(0.372)	654454	50.0000	50
6 Bromomethane	94	3.295	3.297	(0.420)	599498	50.0000	46
5 Chloroethane	64	3.414	3.407	(0.435)	389920	50.0000	49
7 Trichlorofluoromethane	101	3.716	3.718	(0.473)	1267440	50.0000	51
11 Ethyl Ether	59	4.017	4.011	(0.512)	463199	50.0000	50
15 1,1-Dichloroethene	96	4.311	4.312	(0.549)	600023	50.0000	50
14 Freon TF	101	4.311	4.322	(0.549)	924305	50.0000	46
16 Acetone	58	4.366	4.358	(0.556)	41389	50.0000	50
17 Iodomethane	142	4.514	4.515	(0.575)	1531999	50.0000	47
18 Carbon Disulfide	76	4.596	4.598	(0.586)	1798869	50.0000	49
27 Methyl Acetate	74	4.716	4.708	(0.601)	126406	50.0000	50
22 Methylene Chloride	84	4.861	4.868	(0.619)	739116	50.0000	48
24 TBA	59	4.953	4.951	(0.631)	957020	1000.00	930
25 trans-1,2-Dichloroethene	96	5.173	5.181	(0.659)	698012	50.0000	50

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03838.d
 Report Date: 23-Sep-2011 11:42

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
26 Acrylonitrile	53	5.155	5.153	(0.657)	148296	50.0000	48
28 MTBE	73	5.155	5.153	(0.657)	1623066	50.0000	45
29 Hexane	56	5.458	5.446	(0.695)	174085	50.0000	46
30 1,1-Dichloroethane	63	5.677	5.676	(0.723)	1406042	50.0000	48
31 Vinyl Acetate	43	5.695	5.694	(0.725)	2039953	50.0000	49
32 DIPE	45	5.695	5.694	(0.725)	3064577	50.0000	44
35 t-Butyl-ethyl-ether	59	6.135	6.149	(0.782)	2303809	50.0000	46
37 2,2-Dichloropropane	77	6.391	6.390	(0.814)	1025343	50.0000	45
36 cis-1,2-Dichloroethene	96	6.382	6.382	(0.813)	729538	50.0000	48
38 2-Butanone	72	6.391	6.373	(0.814)	54992	50.0000	52
39 Ethyl Acetate	70	6.409	6.425	(0.816)	136897	100.000	96
40 Bromochloromethane	128	6.692	6.693	(0.853)	472983	50.0000	49
41 Tetrahydrofuran	42	6.729	6.749	(0.857)	157981	50.0000	41
42 Chloroform	83	6.766	6.767	(0.862)	1509803	50.0000	48
43 1,1,1-Trichloroethane	97	7.028	7.031	(0.895)	1148794	50.0000	51
44 Cyclohexane	56	7.098	7.096	(0.904)	571371	50.0000	41
45 Carbon Tetrachloride	117	7.245	7.243	(0.923)	999675	50.0000	49
46 1,1-Dichloropropene	75	7.227	7.234	(0.921)	1025378	50.0000	49
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.439	7.434	(0.948)	667612	50.0000	50
48 Benzene	78	7.512	7.517	(0.665)	1909594	50.0000	50
49 1,2-Dichloroethane	62	7.539	7.535	(0.960)	856125	50.0000	48
50 t-Amyl-methyl-ether	73	7.594	7.600	(0.967)	1827935	50.0000	46
61 Isopropyl Acetate	43	7.521	7.526	(0.958)	3856521	100.000	98
* 52 Fluorobenzene	96	7.850	7.848	(1.000)	1717485	50.0000	
54 Trichloroethene	95	8.297	8.292	(1.057)	782471	50.0000	50
56 Methyl cyclohexane	83	8.533	8.531	(1.087)	349622	50.0000	42
55 Ethyl Acrylate	55	8.377	8.375	(1.067)	850319	50.0000	43
57 1,2-Dichloropropane	63	8.588	8.577	(1.094)	842512	50.0000	47
58 Dibromomethane	93	8.734	8.732	(1.113)	707279	50.0000	46
59 Methyl Methacrylate	100	8.652	8.649	(1.102)	160672	50.0000	44
68 Bromodichloromethane	83	8.889	8.888	(1.132)	1471755	50.0000	48
62 2-Chloroethyl Vinyl Ether	63	9.205	9.207	(1.173)	396440	50.0000	48
63 Epichlorohydrin	57	9.306	9.305	(0.824)	1250516	1000.00	990
67 cis-1,3-Dichloropropene	75	9.397	9.396	(0.832)	1237217	50.0000	49
70 4-Methyl-2-Pentanone	43	9.552	9.553	(0.845)	688796	50.0000	50
\$ 65 Toluene-d8 (SUR)	98	9.708	9.708	(0.859)	1348473	50.0000	51
66 Toluene	91	9.790	9.787	(0.866)	1872886	50.0000	49
64 trans-1,3-Dichloropropene	75	10.018	10.017	(0.887)	1017694	50.0000	48
69 1,1,2-Trichloroethane	83	10.237	10.236	(0.906)	610633	50.0000	51
71 Tetrachloroethene	166	10.403	10.400	(0.921)	605647	50.0000	52
72 1,3-Dichloropropane	76	10.430	10.426	(0.923)	1102045	50.0000	50
73 2-Hexanone	43	10.476	10.482	(0.927)	411630	50.0000	50
74 Dibromochloromethane	129	10.691	10.684	(0.946)	1083011	50.0000	51
76 Butyl Acetate	73	10.584	10.591	(0.937)	411588	100.000	110
77 1,2-Dibromoethane	107	10.829	10.829	(0.958)	964876	50.0000	52
* 78 Chlorobenzene-d5	117	11.299	11.306	(1.000)	1185854	50.0000	
79 Chlorobenzene	112	11.336	11.332	(1.003)	1254289	50.0000	51

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03838.d
 Report Date: 23-Sep-2011 11:42

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
80 1,1,1,2-Tetrachloroethane	131	11.410	11.410	(1.010)	706255	50.0000	51
81 Ethylbenzene	106	11.419	11.418	(1.011)	482153	50.0000	50
82 m+p-Xylene	106	11.538	11.537	(1.021)	1299085	100.000	100
84 o-Xylene	106	11.957	11.958	(1.058)	622559	50.0000	51
85 Styrene	104	11.966	11.967	(1.059)	1160054	50.0000	50
83 Butyl Acrylate	73	11.848	11.847	(1.049)	553474	50.0000	53
86 Bromoform	173	12.195	12.196	(1.079)	719726	50.0000	55
88 Isopropylbenzene	105	12.315	12.315	(1.090)	1440728	50.0000	50
\$ 89 Bromofluorobenzene (SUR)	174	12.497	12.496	(0.911)	546236	50.0000	48
90 Camphene (total)	93	12.608	12.606	(1.116)	303538	50.0000	37
91 Bromobenzene	156	12.672	12.678	(0.923)	610052	50.0000	47
92 1,1,2,2-Tetrachloroethane	83	12.626	12.624	(0.920)	1014181	50.0000	46
93 1,2,3-Trichloropropane	110	12.691	12.686	(0.925)	228570	50.0000	45
94 trans-1,4-Dichloro-2-butene	53	12.672	12.678	(0.923)	180150	50.0000	46
95 n-Propylbenzene	91	12.728	12.731	(0.928)	1720273	50.0000	50
96 2-Chlorotoluene	91	12.854	12.850	(0.937)	1392583	50.0000	50
97 1,3,5-Trimethylbenzene	105	12.891	12.894	(0.939)	1094746	50.0000	46
98 4-Chlorotoluene	91	12.965	12.959	(0.945)	1544800	50.0000	49
99 Butyl Methacrylate	87	12.937	12.931	(0.943)	944312	50.0000	49
100 tert-Butylbenzene	119	13.259	13.259	(0.966)	1043728	50.0000	48
101 1,2,4-Trimethylbenzene	105	13.305	13.305	(0.970)	1142399	50.0000	47
103 sec-Butylbenzene	105	13.486	13.484	(0.983)	1370849	50.0000	49
105 1,3-Dichlorobenzene	146	13.658	13.667	(0.995)	696643	50.0000	48
107 p-Isopropyltoluene	119	13.630	13.621	(0.993)	1094219	50.0000	50
* 108 1,4-Dichlorobenzene-d4	152	13.722	13.730	(1.000)	526305	50.0000	
109 1,4-Dichlorobenzene	146	13.759	13.756	(1.003)	973526	50.0000	52
110 Benzyl Chloride	91	13.897	13.902	(1.013)	981335	50.0000	49
106 n-Butylbenzene	91	14.089	14.083	(1.027)	1033384	50.0000	51
111 1,2-Dichlorobenzene	146	14.199	14.201	(1.035)	812794	50.0000	50
112 1,2-Dibromo-3-chloropropane	75	15.166	15.164	(1.105)	176721	50.0000	50
114 1,2,4-Trichlorobenzene	180	16.348	16.346	(1.191)	348293	50.0000	51
115 Hexachlorobutadiene	225	16.551	16.563	(1.206)	307517	50.0000	52
116 Naphthalene	128	16.787	16.782	(1.223)	551516	50.0000	51
117 1,2,3-Trichlorobenzene	180	17.200	17.206	(1.253)	260841	50.0000	51
M 120 1,2-Dichloroethene (Total)	100				1427550	100.000	99
M 121 Xylene (Total)	100				1921644	150.000	160

Data File: j03838.d

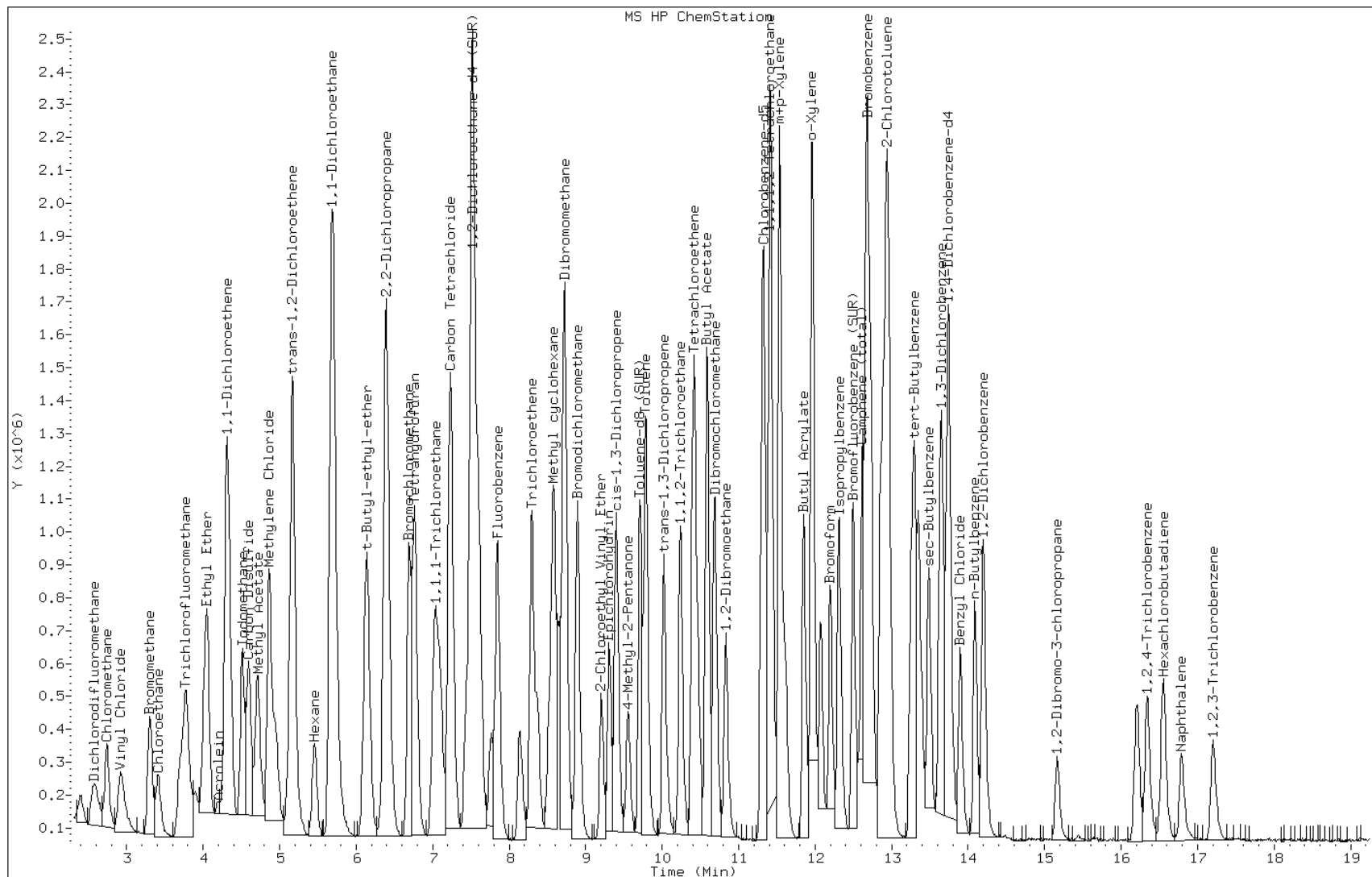
Date: 22-SEP-2011 04:10

Client ID:

Instrument: VOAMS8.i

Sample Info: IC-VMCAL4

Operator:



Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03839.d
 Report Date: 23-Sep-2011 11:42

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03839.d
 Lab Smp Id: IC-VMCAL5
 Inj Date : 22-SEP-2011 04:35
 Operator : Inst ID: VOAMS8.i
 Smp Info : IC-VMCAL5
 Misc Info :
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/8260DE_09.m
 Meth Date : 23-Sep-2011 11:42 audberto Quant Type: ISTD
 Cal Date : 22-SEP-2011 03:45 Cal File: j03837.d
 Als bottle: 6 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	2.577	2.562 (0.328)		3574362	200.000	200
3 Chloromethane	50	2.760	2.737 (0.352)		2664164	200.000	200
4 Vinyl Chloride	62	2.942	2.929 (0.375)		2762800	200.000	200
6 Bromomethane	94	3.308	3.297 (0.422)		2406446	200.000	210
5 Chloroethane	64	3.419	3.407 (0.436)		1487575	200.000	210
7 Trichlorofluoromethane	101	3.731	3.718 (0.476)		4761746	200.000	220
11 Ethyl Ether	59	4.014	4.011 (0.512)		1703719	200.000	210
15 1,1-Dichloroethene	96	4.305	4.312 (0.549)		2225522	200.000	210
14 Freon TF	101	4.324	4.322 (0.551)		3836695	200.000	220
16 Acetone	58	4.360	4.358 (0.556)		133158	200.000	190
17 Iodomethane	142	4.508	4.515 (0.574)		6171936	200.000	220
18 Carbon Disulfide	76	4.590	4.598 (0.585)		7074348	200.000	220
27 Methyl Acetate	74	4.717	4.708 (0.601)		474162	200.000	200
22 Methylene Chloride	84	4.865	4.868 (0.620)		2716065	200.000	210
24 TBA	59	4.957	4.951 (0.632)		3592527	4000.00	4100(A)
25 trans-1,2-Dichloroethene	96	5.168	5.181 (0.659)		2536937	200.000	210

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03839.d
 Report Date: 23-Sep-2011 11:42

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
26 Acrylonitrile	53	5.150	5.153	(0.656)	284310	100.000	100
28 MTBE	73	5.150	5.153	(0.656)	5918824	200.000	190
29 Hexane	56	5.451	5.446	(0.695)	783462	200.000	200
30 1,1-Dichloroethane	63	5.677	5.676	(0.724)	5035119	200.000	200
31 Vinyl Acetate	43	5.695	5.694	(0.726)	7259921	200.000	200
32 DIPE	45	5.695	5.694	(0.726)	11032589	200.000	190
35 t-Butyl-ethyl-ether	59	6.131	6.149	(0.781)	8678701	200.000	200
37 2,2-Dichloropropane	77	6.390	6.390	(0.814)	3708347	200.000	190
36 cis-1,2-Dichloroethene	96	6.381	6.382	(0.813)	2711919	200.000	210
38 2-Butanone	72	6.390	6.373	(0.814)	198000	200.000	220
39 Ethyl Acetate	70	6.418	6.425	(0.818)	495850	400.000	400
40 Bromochloromethane	128	6.694	6.693	(0.853)	1675086	200.000	200
41 Tetrahydrofuran	42	6.740	6.749	(0.859)	573908	200.000	180
42 Chloroform	83	6.768	6.767	(0.863)	5443415	200.000	200
43 1,1,1-Trichloroethane	97	7.024	7.031	(0.895)	4066021	200.000	210
44 Cyclohexane	56	7.107	7.096	(0.906)	2337855	200.000	200
45 Carbon Tetrachloride	117	7.244	7.243	(0.923)	3768967	200.000	210
46 1,1-Dichloropropene	75	7.226	7.234	(0.921)	3684295	200.000	200
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.434	7.434	(0.948)	559071	50.0000	49
48 Benzene	78	7.517	7.517	(0.665)	6566844	200.000	200
49 1,2-Dichloroethane	62	7.536	7.535	(0.960)	3008768	200.000	200
50 t-Amyl-methyl-ether	73	7.598	7.600	(0.968)	6645606	200.000	190
61 Isopropyl Acetate	43	7.517	7.526	(0.958)	13312788	400.000	400
* 52 Fluorobenzene	96	7.846	7.848	(1.000)	1473873	50.0000	
54 Trichloroethene	95	8.293	8.292	(1.057)	2762993	200.000	200
56 Methyl cyclohexane	83	8.530	8.531	(1.087)	1524321	200.000	210
55 Ethyl Acrylate	55	8.375	8.375	(1.067)	3178720	200.000	190
57 1,2-Dichloropropane	63	8.583	8.577	(1.094)	2988452	200.000	200
58 Dibromomethane	93	8.731	8.732	(1.113)	2479096	200.000	190
59 Methyl Methacrylate	100	8.657	8.649	(1.103)	581517	200.000	190
68 Bromodichloromethane	83	8.894	8.888	(1.134)	5280142	200.000	200
62 2-Chloroethyl Vinyl Ether	63	9.205	9.207	(1.173)	1642294	200.000	220
63 Epichlorohydrin	57	9.306	9.305	(0.824)	4401100	4000.00	4100
67 cis-1,3-Dichloropropene	75	9.402	9.396	(0.832)	4382317	200.000	200
70 4-Methyl-2-Pentanone	43	9.549	9.553	(0.845)	2577675	200.000	210
\$ 65 Toluene-d8 (SUR)	98	9.711	9.708	(0.859)	1271412	50.0000	55
66 Toluene	91	9.782	9.787	(0.866)	6324406	200.000	200
64 trans-1,3-Dichloropropene	75	10.021	10.017	(0.887)	3650197	200.000	200
69 1,1,2-Trichloroethane	83	10.239	10.236	(0.906)	2102812	200.000	200
71 Tetrachloroethene	166	10.395	10.400	(0.920)	2195342	200.000	220
72 1,3-Dichloropropane	76	10.432	10.426	(0.923)	3818950	200.000	200
73 2-Hexanone	43	10.478	10.482	(0.927)	1466511	200.000	210
74 Dibromochloromethane	129	10.687	10.684	(0.946)	3979248	200.000	220
76 Butyl Acetate	73	10.589	10.591	(0.937)	1408142	400.000	420
77 1,2-Dibromoethane	107	10.834	10.829	(0.959)	3404694	200.000	210
* 78 Chlorobenzene-d5	117	11.299	11.306	(1.000)	1010281	50.0000	
79 Chlorobenzene	112	11.334	11.332	(1.003)	4610877	200.000	220

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03839.d
Report Date: 23-Sep-2011 11:42

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
80 1,1,1,2-Tetrachloroethane	131	11.406	11.410	(1.009)	2549569	200.000	210
81 Ethylbenzene	106	11.424	11.418	(1.011)	1739933	200.000	210
82 m+p-Xylene	106	11.535	11.537	(1.021)	4535105	400.000	420
84 o-Xylene	106	11.956	11.958	(1.058)	2299697	200.000	220
85 Styrene	104	11.964	11.967	(1.059)	4321534	200.000	220
83 Butyl Acrylate	73	11.847	11.847	(1.048)	2055880	200.000	220
86 Bromoform	173	12.199	12.196	(1.080)	2602510	200.000	220
88 Isopropylbenzene	105	12.309	12.315	(1.089)	5160607	200.000	210
\$ 89 Bromofluorobenzene (SUR)	174	12.499	12.496	(0.910)	510029	50.0000	50
90 Camphene (total)	93	12.601	12.606	(1.115)	1397760	200.000	200
91 Bromobenzene	156	12.672	12.678	(0.923)	2237063	200.000	190
92 1,1,2,2-Tetrachloroethane	83	12.628	12.624	(0.920)	3528097	200.000	180
93 1,2,3-Trichloropropane	110	12.691	12.686	(0.924)	792652	200.000	180
94 trans-1,4-Dichloro-2-butene	53	12.672	12.678	(0.923)	699916	200.000	200(A)
95 n-Propylbenzene	91	12.728	12.731	(0.927)	5556037	200.000	180
96 2-Chlorotoluene	91	12.856	12.850	(0.936)	5103126	200.000	200(A)
97 1,3,5-Trimethylbenzene	105	12.893	12.894	(0.939)	3875726	200.000	190
98 4-Chlorotoluene	91	12.957	12.959	(0.944)	5155864	200.000	180
99 Butyl Methacrylate	87	12.929	12.931	(0.942)	3459087	200.000	200
100 tert-Butylbenzene	119	13.258	13.259	(0.965)	3776396	200.000	200
101 1,2,4-Trimethylbenzene	105	13.304	13.305	(0.969)	4036249	200.000	190
103 sec-Butylbenzene	105	13.491	13.484	(0.982)	4893128	200.000	200
105 1,3-Dichlorobenzene	146	13.662	13.667	(0.995)	2734606	200.000	210
107 p-Isopropyltoluene	119	13.625	13.621	(0.992)	3769068	200.000	190
* 108 1,4-Dichlorobenzene-d4	152	13.732	13.730	(1.000)	471837	50.0000	
109 1,4-Dichlorobenzene	146	13.750	13.756	(1.001)	3503954	200.000	210
110 Benzyl Chloride	91	13.896	13.902	(1.012)	3651508	200.000	200
106 n-Butylbenzene	91	14.086	14.083	(1.026)	3845233	200.000	210
111 1,2-Dichlorobenzene	146	14.201	14.201	(1.034)	2867468	200.000	200
112 1,2-Dibromo-3-chloropropane	75	15.167	15.164	(1.104)	690534	200.000	200
114 1,2,4-Trichlorobenzene	180	16.348	16.346	(1.190)	1491639	200.000	200
115 Hexachlorobutadiene	225	16.549	16.563	(1.205)	1123392	200.000	210
116 Naphthalene	128	16.786	16.782	(1.222)	2526477	200.000	200
117 1,2,3-Trichlorobenzene	180	17.205	17.206	(1.253)	1020341	200.000	200
M 120 1,2-Dichloroethene (Total)	100				5248856	400.000	420
M 121 Xylene (Total)	100				6834802	600.000	640

QC Flag Legend

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

Data File: j03839.d

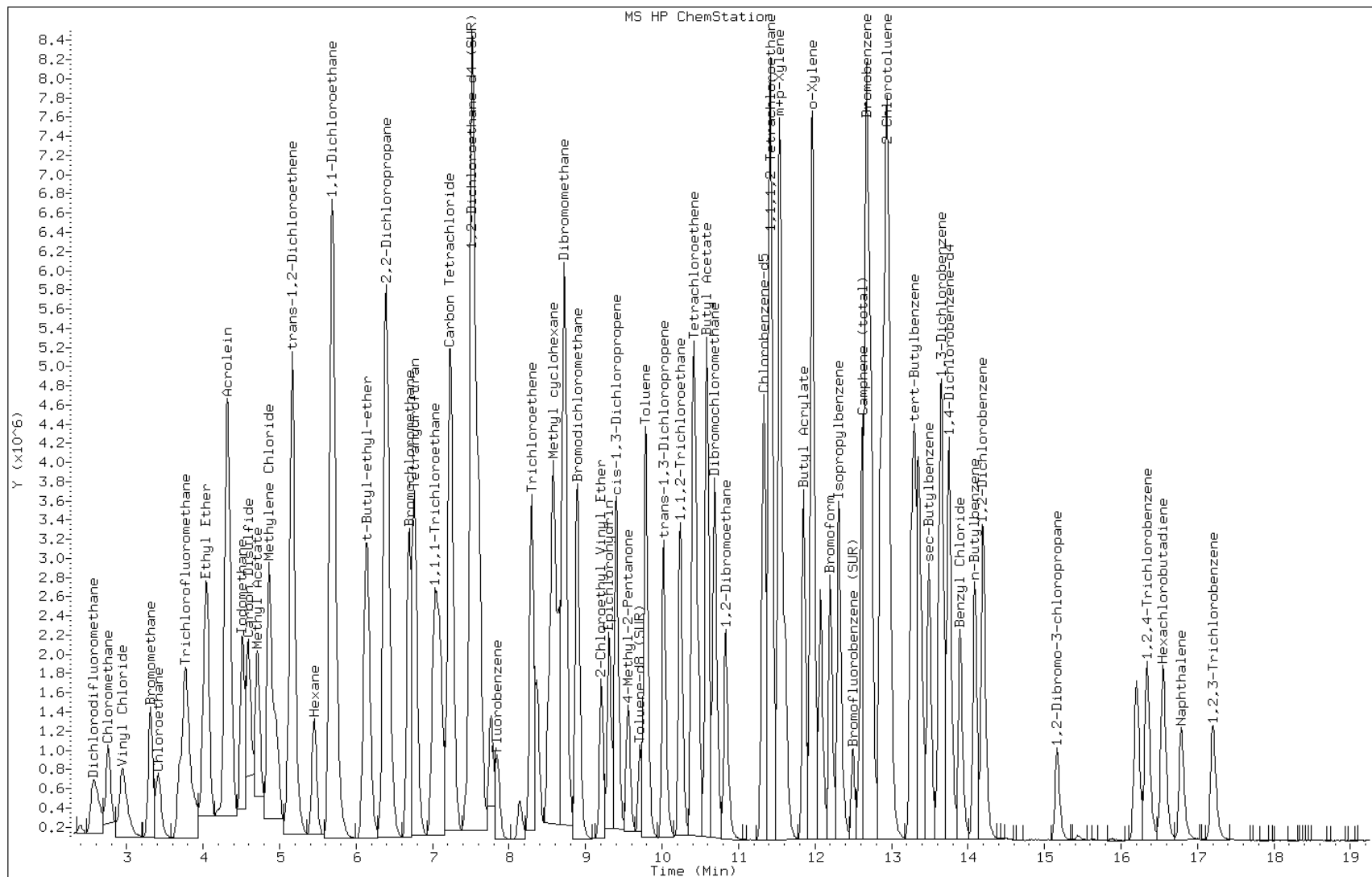
Date: 22-SEP-2011 04:35

Client ID:

Instrument: VOAMS8.i

Sample Info: IC-VMCAL5

Operator:



Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03840.d
 Report Date: 23-Sep-2011 11:42

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03840.d
 Lab Smp Id: IC-VMCAL6
 Inj Date : 22-SEP-2011 05:00
 Operator : Inst ID: VOAMS8.i
 Smp Info : IC-VMCAL6
 Misc Info :
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/8260DE_09.m
 Meth Date : 23-Sep-2011 11:42 audberto Quant Type: ISTD
 Cal Date : 22-SEP-2011 03:45 Cal File: j03837.d
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	2.578	2.562 (0.328)		9200447	500.000	510(A)
3 Chloromethane	50	2.786	2.737 (0.355)		6768233	500.000	510(A)
4 Vinyl Chloride	62	2.960	2.929 (0.377)		6820628	500.000	510(A)
6 Bromomethane	94	3.319	3.297 (0.422)		5610185	500.000	540(A)
5 Chloroethane	64	3.420	3.407 (0.435)		3407159	500.000	540(A)
7 Trichlorofluoromethane	101	3.744	3.718 (0.476)		11803101	500.000	580(A)
11 Ethyl Ether	59	4.008	4.011 (0.510)		3786430	500.000	520(A)
15 1,1-Dichloroethene	96	4.317	4.312 (0.549)		5046112	500.000	530(A)
14 Freon TF	101	4.326	4.322 (0.550)		9070246	500.000	560(A)
16 Acetone	58	4.363	4.358 (0.555)		304009	500.000	490
17 Iodomethane	142	4.523	4.515 (0.576)		13194573	500.000	510(A)
18 Carbon Disulfide	76	4.597	4.598 (0.585)		15347618	500.000	530(A)
27 Methyl Acetate	74	4.726	4.708 (0.601)		1037928	500.000	500
22 Methylene Chloride	84	4.869	4.868 (0.620)		5949851	500.000	500(A)
24 TBA	59	4.961	4.951 (0.631)		7946086	10000.0	10000(A)
25 trans-1,2-Dichloroethene	96	5.178	5.181 (0.659)		5684564	500.000	520(A)

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03840.d
 Report Date: 23-Sep-2011 11:42

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
26 Acrylonitrile	53	5.150	5.153 (0.655)		564293	200.000	230(A)
28 MTBE	73	5.160	5.153 (0.657)		13107600	500.000	480
29 Hexane	56	5.461	5.446 (0.695)		1905060	500.000	510(A)
30 1,1-Dichloroethane	63	5.683	5.676 (0.723)		10556609	500.000	470
31 Vinyl Acetate	43	5.701	5.694 (0.725)		15215566	500.000	490
32 DIPE	45	5.701	5.694 (0.725)		21252556	500.000	420
35 t-Butyl-ethyl-ether	59	6.142	6.149 (0.782)		17849919	500.000	460
37 2,2-Dichloropropane	77	6.392	6.390 (0.813)		8162742	500.000	480
36 cis-1,2-Dichloroethene	96	6.383	6.382 (0.812)		6026371	500.000	510(A)
38 2-Butanone	72	6.392	6.373 (0.813)		446353	500.000	540(A)
39 Ethyl Acetate	70	6.426	6.425 (0.818)		1129396	1000.00	1000(A)
40 Bromochloromethane	128	6.692	6.693 (0.852)		3756393	500.000	500(A)
41 Tetrahydrofuran	42	6.746	6.749 (0.858)		1245591	500.000	440(A)
42 Chloroform	83	6.773	6.767 (0.862)		11411462	500.000	480
43 1,1,1-Trichloroethane	97	7.030	7.031 (0.894)		8900016	500.000	510(A)
44 Cyclohexane	56	7.103	7.096 (0.904)		5406193	500.000	500(A)
45 Carbon Tetrachloride	117	7.250	7.243 (0.922)		8215596	500.000	520(A)
46 1,1-Dichloropropene	75	7.232	7.234 (0.920)		7587663	500.000	480
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.449	7.434 (0.948)		490026	50.0000	48
48 Benzene	78	7.522	7.517 (0.665)		12830150	500.000	450
49 1,2-Dichloroethane	62	7.540	7.535 (0.959)		6265194	500.000	460
50 t-Amyl-methyl-ether	73	7.614	7.600 (0.969)		13558490	500.000	450
61 Isopropyl Acetate	43	7.522	7.526 (0.957)		24342074	1000.00	960(A)
* 52 Fluorobenzene	96	7.859	7.848 (1.000)		1319018	50.0000	
54 Trichloroethene	95	8.295	8.292 (1.056)		5948625	500.000	490
56 Methyl cyclohexane	83	8.542	8.531 (1.087)		3477370	500.000	530(A)
55 Ethyl Acrylate	55	8.376	8.375 (1.066)		6809154	500.000	460
57 1,2-Dichloropropane	63	8.588	8.577 (1.093)		6362283	500.000	470
58 Dibromomethane	93	8.735	8.732 (1.111)		5252834	500.000	460
59 Methyl Methacrylate	100	8.662	8.649 (1.102)		1232115	500.000	450
68 Bromodichloromethane	83	8.901	8.888 (1.133)		10711443	500.000	460
62 2-Chloroethyl Vinyl Ether	63	9.214	9.207 (1.172)		3369658	500.000	510(A)
63 Epichlorohydrin	57	9.315	9.305 (0.824)		9231198	10000.0	9600
67 cis-1,3-Dichloropropene	75	9.406	9.396 (0.832)		8895744	500.000	460
70 4-Methyl-2-Pentanone	43	9.562	9.553 (0.846)		5418320	500.000	500(A)
\$ 65 Toluene-d8 (SUR)	98	9.718	9.708 (0.860)		1088434	50.0000	52
66 Toluene	91	9.791	9.787 (0.866)		12679698	500.000	450
64 trans-1,3-Dichloropropene	75	10.028	10.017 (0.887)		7549360	500.000	470
69 1,1,2-Trichloroethane	83	10.244	10.236 (0.906)		4333790	500.000	470
71 Tetrachloroethene	166	10.403	10.400 (0.920)		4999906	500.000	540(A)
72 1,3-Dichloropropane	76	10.430	10.426 (0.923)		7921759	500.000	480
73 2-Hexanone	43	10.483	10.482 (0.927)		3097120	500.000	490
74 Dibromochloromethane	129	10.692	10.684 (0.946)		8131983	500.000	490
76 Butyl Acetate	73	10.593	10.591 (0.937)		3060622	1000.00	1000(A)
77 1,2-Dibromoethane	107	10.835	10.829 (0.959)		7089894	500.000	490
* 78 Chlorobenzene-d5	117	11.303	11.306 (1.000)		909147	50.0000	
79 Chlorobenzene	112	11.340	11.332 (1.003)		9179998	500.000	480

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03840.d
 Report Date: 23-Sep-2011 11:42

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
80 1,1,1,2-Tetrachloroethane	131	11.414	11.410	(1.010)	5701164	500.000	520(A)
81 Ethylbenzene	106	11.422	11.418	(1.011)	3596637	500.000	490
82 m+p-Xylene	106	11.541	11.537	(1.021)	9052206	1000.00	940
84 o-Xylene	106	11.961	11.958	(1.058)	4572267	500.000	480
85 Styrene	104	11.970	11.967	(1.059)	8366380	500.000	470
83 Butyl Acrylate	73	11.852	11.847	(1.049)	4629670	500.000	550(A)
86 Bromoform	173	12.203	12.196	(1.080)	5808832	500.000	550(A)
88 Isopropylbenzene	105	12.314	12.315	(1.089)	10460177	500.000	480
\$ 89 Bromofluorobenzene (SUR)	174	12.507	12.496	(0.910)	443737	50.0000	47
90 Camphene (total)	93	12.612	12.606	(1.116)	3330239	500.000	530(A)
91 Bromobenzene	156	12.683	12.678	(0.923)	4819774	500.000	450
92 1,1,2,2-Tetrachloroethane	83	12.630	12.624	(0.919)	7579842	500.000	430(A)
93 1,2,3-Trichloropropane	110	12.692	12.686	(0.924)	1692998	500.000	420(A)
94 trans-1,4-Dichloro-2-butene	53	12.683	12.678	(0.923)	1369967	500.000	430(A)
95 n-Propylbenzene	91	12.738	12.731	(0.927)	10874525	500.000	400
96 2-Chlorotoluene	91	12.864	12.850	(0.936)	10650215	500.000	460(A)
97 1,3,5-Trimethylbenzene	105	12.901	12.894	(0.939)	8209117	500.000	430
98 4-Chlorotoluene	91	12.965	12.959	(0.944)	11159737	500.000	440
99 Butyl Methacrylate	87	12.938	12.931	(0.942)	7706811	500.000	480
100 tert-Butylbenzene	119	13.265	13.259	(0.966)	8577687	500.000	480
101 1,2,4-Trimethylbenzene	105	13.311	13.305	(0.969)	9221328	500.000	460
103 sec-Butylbenzene	105	13.492	13.484	(0.982)	10359351	500.000	450
105 1,3-Dichlorobenzene	146	13.664	13.667	(0.995)	6119630	500.000	500
107 p-Isopropyltoluene	119	13.630	13.621	(0.992)	8996334	500.000	490
* 108 1,4-Dichlorobenzene-d4	152	13.736	13.730	(1.000)	442568	50.0000	
109 1,4-Dichlorobenzene	146	13.764	13.756	(1.002)	7685834	500.000	490
110 Benzyl Chloride	91	13.902	13.902	(1.012)	8277819	500.000	490
106 n-Butylbenzene	91	14.095	14.083	(1.026)	8975541	500.000	520(A)
111 1,2-Dichlorobenzene	146	14.203	14.201	(1.034)	6715796	500.000	500
112 1,2-Dibromo-3-chloropropane	75	15.167	15.164	(1.104)	1688558	500.000	500(A)
114 1,2,4-Trichlorobenzene	180	16.347	16.346	(1.190)	3679457	500.000	500(A)
115 Hexachlorobutadiene	225	16.560	16.563	(1.206)	2563054	500.000	510(A)
116 Naphthalene	128	16.791	16.782	(1.222)	6053480	500.000	500(A)
117 1,2,3-Trichlorobenzene	180	17.202	17.206	(1.252)	2457800	500.000	500(A)
M 120 1,2-Dichloroethene (Total)	100				11710935	1000.00	1000(A)
M 121 Xylene (Total)	100				13624473	1500.00	1400

QC Flag Legend

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

Data File: j03840.d

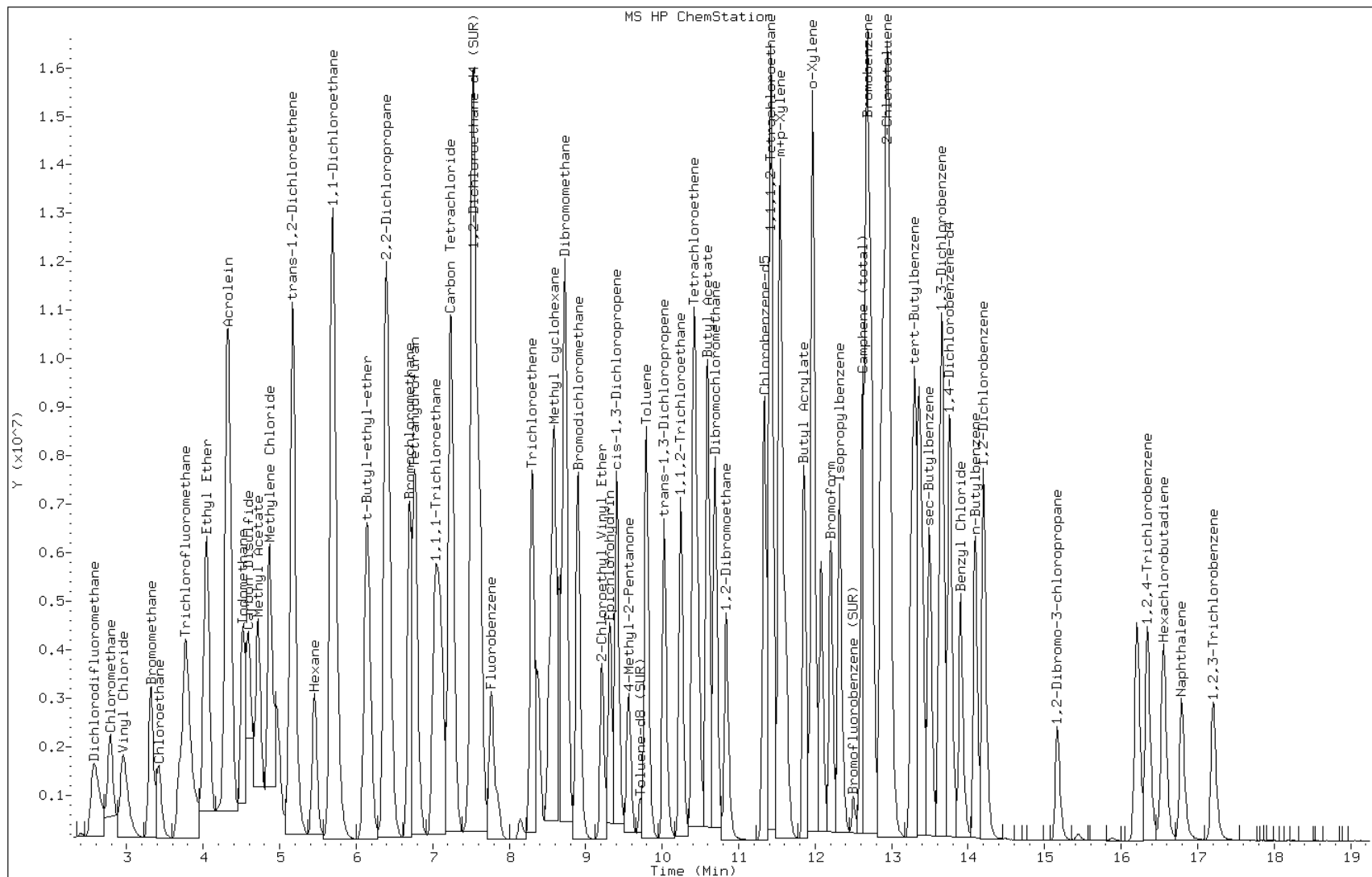
Date: 22-SEP-2011 05:00

Client ID:

Instrument: VOAMS8.i

Sample Info: IC-VMCAL6

Operator:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Lab Sample ID: CCVIS 460-87364/2 Calibration Date: 09/26/2011 19:24

Instrument ID: VOAMS8 Calib Start Date: 09/22/2011 02:30

GC Column: DB-624 ID: 0.53 (mm) Calib End Date: 09/22/2011 05:00

Lab File ID: j03964.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	QuaF	0.5724	0.7402	0.1000	21.6	20.0	8.0	25.0
Chloromethane	QuaF	0.4099	0.4679	0.1000	18.5	20.0	-7.3	25.0
Vinyl chloride	QuaF	0.4113	0.4495	0.1000	17.6	20.0	-11.9	25.0
Bromomethane	Ave	0.3901	0.4089	0.1000	21.0	20.0	4.8	25.0
Chloroethane	Ave	0.2397	0.2525	0.1000	21.1	20.0	5.4	25.0
Trichlorofluoromethane	Ave	0.7688	0.8183	0.1000	21.3	20.0	6.4	25.0
Ethyl ether	Ave	0.2760	0.2698	0.1000	19.6	20.0	-2.2	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.6136	0.6058	0.1000	19.7	20.0	-1.3	25.0
1,1-Dichloroethene	Ave	0.3601	0.3339	0.1000	18.5	20.0	-7.3	25.0
Acetone	Ave	0.0236	0.0209*	0.1000	17.8	20.0	-11.2	25.0
Iodomethane	Ave	0.9764	0.9038	0.1000	18.5	20.0	-7.4	25.0
Carbon disulfide	Ave	1.102	1.079	0.1000	19.6	20.0	-2.0	25.0
Methyl acetate	LinF	0.0879	0.0759*	0.1000	19.2	20.0	-3.8	25.0
Methylene Chloride	Ave	0.4475	0.4152	0.1000	18.6	20.0	-7.2	25.0
2-Methyl-2-propanol	Ave	0.0299	0.0309*	0.1000	413	400	3.3	25.0
Acrylonitrile	Ave	0.0940	0.0822*	0.1000	17.5	20.0	-12.5	25.0
Methyl tert-butyl ether	Ave	1.026	0.9522	0.1000	18.6	20.0	-7.2	25.0
trans-1,2-Dichloroethene	Ave	0.4114	0.3949	0.1000	19.2	20.0	-4.0	25.0
Hexane	LinF	0.1318	0.1234	0.1000	17.3	20.0	-13.5	25.0
1,1-Dichloroethane	Ave	0.8431	0.8048	0.1000	19.1	20.0	-4.5	25.0
Isopropyl ether	Ave	1.928	1.839	0.1000	19.1	20.0	-4.6	25.0
Vinyl acetate	LinF	1.383	1.239	0.1000	21.3	20.0	6.4	25.0
Tert-butyl ethyl ether	Ave	1.453	1.409	0.1000	19.4	20.0	-3.1	25.0
cis-1,2-Dichloroethene	Ave	0.4460	0.4236	0.1000	19.0	20.0	-5.0	25.0
2-Butanone (MEK)	Ave	0.0316	0.0333*	0.1000	21.1	20.0	5.5	25.0
2,2-Dichloropropane	Ave	0.6466	0.6140	0.1000	19.0	20.0	-5.0	25.0
Ethyl acetate	Ave	0.0417	0.0407*	0.1000	39.1	40.0	-2.3	25.0
Chlorobromomethane	Ave	0.2833	0.2583	0.1000	18.2	20.0	-8.9	25.0
Tetrahydrofuran	Ave	0.1065	0.1076	0.1000	20.2	20.0	1.0	25.0
Chloroform	Ave	0.9049	0.8538	0.1000	18.9	20.0	-5.6	25.0
1,1,1-Trichloroethane	Ave	0.6660	0.6328	0.1000	19.0	20.0	-5.0	25.0
Cyclohexane	Ave	0.4053	0.3773	0.1000	18.6	20.0	-6.9	25.0
1,1-Dichloropropene	Ave	0.6031	0.5680	0.1000	18.8	20.0	-5.8	25.0
Carbon tetrachloride	Ave	0.6035	0.5669	0.1000	18.8	20.0	-6.1	25.0
Benzene	Ave	1.575	1.539	0.1000	19.5	20.0	-2.3	25.0
Isopropyl acetate	LinF	1.197	1.085	0.1000	45.2	40.0	13.1	25.0
1,2-Dichloroethane	Ave	0.5106	0.4781	0.1000	18.7	20.0	-6.4	25.0
Tert-amyl methyl ether	Ave	1.138	1.048	0.1000	18.4	20.0	-8.0	25.0
Trichloroethene	Ave	0.4585	0.4395	0.1000	19.2	20.0	-4.1	25.0
Ethyl acrylate	Ave	0.5606	0.4929	0.1000	17.6	20.0	-12.1	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Lab Sample ID: CCVIS 460-87364/2 Calibration Date: 09/26/2011 19:24

Instrument ID: VOAMS8 Calib Start Date: 09/22/2011 02:30

GC Column: DB-624 ID: 0.53 (mm) Calib End Date: 09/22/2011 05:00

Lab File ID: j03964.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.2481	0.2584	0.1000	20.8	20.0	4.1	25.0
1,2-Dichloropropane	Ave	0.5098	0.4724	0.1000	18.5	20.0	-7.3	25.0
Methyl methacrylate	Ave	0.1035	0.0939*	0.1000	18.1	20.0	-9.3	25.0
Dibromomethane	Ave	0.4323	0.4082	0.1000	18.9	20.0	-5.6	25.0
Dichlorobromomethane	Ave	0.8857	0.8097	0.1000	18.3	20.0	-8.6	25.0
2-Chloroethyl vinyl ether	Ave	0.2506	0.2608	0.1000	20.8	20.0	4.1	25.0
Epichlorohydrin	Ave	0.0530	0.0526*	0.1000	397	400	-0.8	25.0
cis-1,3-Dichloropropene	Ave	1.051	0.9637	0.1000	18.3	20.0	-8.3	25.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5951	0.5644	0.1000	19.0	20.0	-5.2	25.0
Toluene	Ave	1.563	1.432	0.1000	18.3	20.0	-8.4	25.0
trans-1,3-Dichloropropene	Ave	0.8805	0.7982	0.1000	18.1	20.0	-9.3	25.0
1,1,2-Trichloroethane	Ave	0.5053	0.4831	0.1000	19.1	20.0	-4.4	25.0
Tetrachloroethene	Ave	0.5125	0.5053	0.1000	19.7	20.0	-1.4	25.0
1,3-Dichloropropane	Ave	0.9170	0.8821	0.1000	19.2	20.0	-3.8	25.0
2-Hexanone	Ave	0.3491	0.3158	0.1000	18.1	20.0	-9.5	25.0
n-Butyl acetate	Ave	0.1647	0.1582	0.1000	38.4	40.0	-3.9	25.0
Chlorodibromomethane	Ave	0.9082	0.8358	0.1000	18.4	20.0	-8.0	25.0
Ethylene Dibromide	Ave	0.7887	0.7390	0.1000	18.7	20.0	-6.3	25.0
Chlorobenzene	Ave	1.044	1.042	0.1000	19.9	20.0	-0.3	25.0
1,1,1,2-Tetrachloroethane	Ave	0.5962	0.5784	0.1000	19.4	20.0	-3.0	25.0
Ethylbenzene	Ave	0.4064	0.3821	0.1000	18.8	20.0	-6.0	25.0
m-Xylene & p-Xylene	Ave	0.5280	0.5293	0.1000	40.1	40.0	0.2	25.0
n-Butyl acrylate	Ave	0.4626	0.4457	0.1000	19.3	20.0	-3.7	25.0
o-Xylene	Ave	0.5189	0.5042	0.1000	19.4	20.0	-2.8	25.0
Styrene	Ave	0.9798	0.9360	0.1000	19.1	20.0	-4.5	25.0
Bromoform	Ave	0.5829	0.5172	0.1000	17.7	20.0	-11.3	25.0
Isopropylbenzene	Ave	1.205	1.191	0.1000	19.8	20.0	-1.2	25.0
Camphene	Ave	0.3463	0.3238	0.1000	18.7	20.0	-6.5	25.0
1,1,2,2-Tetrachloroethane	Ave	1.982	1.828	0.1000	18.4	20.0	-7.8	25.0
trans-1,4-Dichloro-2-butene	Ave	0.3585	0.3274	0.1000	18.3	20.0	-8.7	25.0
Bromobenzene	Ave	1.197	1.122	0.1000	18.7	20.0	-6.3	25.0
1,2,3-Trichloropropane	Ave	0.4537	0.4435	0.1000	19.5	20.0	-2.3	25.0
N-Propylbenzene	Ave	3.069	3.149	0.1000	20.5	20.0	2.6	25.0
2-Chlorotoluene	Ave	2.627	1.812	0.1000	13.8	20.0	-31.0*	25.0
1,3,5-Trimethylbenzene	Ave	2.141	2.188	0.1000	20.4	20.0	2.2	25.0
Butyl Methacrylate	Ave	1.814	1.776	0.1000	19.6	20.0	-2.1	25.0
4-Chlorotoluene	Ave	2.874	2.735	0.1000	19.0	20.0	-4.9	25.0
tert-Butylbenzene	Ave	2.027	1.996	0.1000	19.7	20.0	-1.5	25.0
1,2,4-Trimethylbenzene	Ave	2.236	2.223	0.1000	19.9	20.0	-0.6	25.0
sec-Butylbenzene	Ave	2.602	2.713	0.1000	20.9	20.0	4.3	25.0
4-Isopropyltoluene	Ave	2.063	2.056	0.1000	19.9	20.0	-0.3	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-87364/2 Calibration Date: 09/26/2011 19:24
 Instrument ID: VOAMS8 Calib Start Date: 09/22/2011 02:30
 GC Column: DB-624 ID: 0.53 (mm) Calib End Date: 09/22/2011 05:00
 Lab File ID: j03964.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.391	1.432	0.1000	20.6	20.0	2.9	25.0
1,4-Dichlorobenzene	Ave	1.775	1.674	0.1000	18.9	20.0	-5.7	25.0
Benzyl chloride	Ave	1.892	1.889	0.1000	20.0	20.0	-0.2	25.0
n-Butylbenzene	Ave	1.956	2.004	0.1000	20.5	20.0	2.5	25.0
1,2-Dichlorobenzene	Ave	1.525	1.554	0.1000	20.4	20.0	1.9	25.0
1,2-Dibromo-3-Chloropropane	LinF	0.3734	0.3152	0.1000	16.6	20.0	-16.9	25.0
1,2,4-Trichlorobenzene	QuaF	0.6187	0.7123	0.1000	18.9	20.0	-5.6	25.0
Hexachlorobutadiene	Ave	0.5666	0.6397	0.1000	22.6	20.0	12.9	25.0
Naphthalene	QuaF	1.019	1.168	0.1000	18.2	20.0	-9.2	25.0
1,2,3-Trichlorobenzene	LinF	0.4424	0.5989	0.1000	21.7	20.0	8.3	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3861	0.3770	0.1000	48.8	50.0	-2.4	25.0
Toluene-d8 (Surr)	Ave	1.156	1.119	0.1000	48.4	50.0	-3.2	25.0
4-Bromofluorobenzene	Ave	1.067	1.007	0.1000	47.2	50.0	-5.6	25.0

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03964.d
 Report Date: 26-Sep-2011 19:38

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03964.d
 Lab Smp Id: CCVIS
 Inj Date : 26-SEP-2011 19:24
 Operator : Inst ID: VOAMS8.i
 Smp Info : CCVIS
 Misc Info :
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/8260DE_09.m
 Meth Date : 26-Sep-2011 19:38 ken Quant Type: ISTD
 Cal Date : 26-SEP-2011 19:24 Cal File: j03964.d
 Als bottle: 3 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	2.582	2.582	(0.328)	312302	20.0000	22
3 Chloromethane	50	2.746	2.746	(0.349)	197416	20.0000	18
4 Vinyl Chloride	62	2.920	2.920	(0.371)	189642	20.0000	18
6 Bromomethane	94	3.305	3.305	(0.420)	172510	20.0000	21
5 Chloroethane	64	3.416	3.416	(0.434)	106545	20.0000	21
7 Trichlorofluoromethane	101	3.734	3.734	(0.475)	345222	20.0000	21
11 Ethyl Ether	59	4.016	4.016	(0.511)	113839	20.0000	20
15 1,1-Dichloroethene	96	4.327	4.327	(0.550)	140875	20.0000	18
14 Freon TF	101	4.327	4.327	(0.550)	255576	20.0000	20
16 Acetone	58	4.373	4.373	(0.556)	8833	20.0000	18
17 Iodomethane	142	4.528	4.528	(0.576)	381322	20.0000	18
18 Carbon Disulfide	76	4.611	4.611	(0.586)	455285	20.0000	20
27 Methyl Acetate	74	4.729	4.729	(0.601)	32030	20.0000	19
22 Methylene Chloride	84	4.875	4.875	(0.620)	175176	20.0000	18
24 TBA	59	4.957	4.957	(0.630)	261089	400.000	410
25 trans-1,2-Dichloroethene	96	5.183	5.183	(0.659)	166590	20.0000	19

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03964.d
Report Date: 26-Sep-2011 19:38

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
26 Acrylonitrile	53	5.174	5.174	(0.658)	34683	20.0000	17
28 MTBE	73	5.174	5.174	(0.658)	401741	20.0000	18
29 Hexane	56	5.465	5.465	(0.695)	52059	20.0000	17
30 1,1-Dichloroethane	63	5.684	5.684	(0.723)	339533	20.0000	19
31 Vinyl Acetate	43	5.712	5.712	(0.726)	522911	20.0000	21
32 DIPE	45	5.712	5.712	(0.726)	775935	20.0000	19
35 t-Butyl-ethyl-ether	59	6.148	6.148	(0.782)	594289	20.0000	19
37 2,2-Dichloropropane	77	6.413	6.413	(0.815)	259061	20.0000	19
36 cis-1,2-Dichloroethene	96	6.394	6.394	(0.813)	178716	20.0000	19
38 2-Butanone	72	6.403	6.403	(0.814)	14057	20.0000	21
39 Ethyl Acetate	70	6.422	6.422	(0.816)	34371	40.0000	39
40 Bromochloromethane	128	6.705	6.705	(0.852)	108955	20.0000	18
41 Tetrahydrofuran	42	6.750	6.750	(0.858)	45383	20.0000	20
42 Chloroform	83	6.778	6.778	(0.862)	360228	20.0000	19
43 1,1,1-Trichloroethane	97	7.048	7.048	(0.896)	266989	20.0000	19
44 Cyclohexane	56	7.112	7.112	(0.904)	159193	20.0000	19
45 Carbon Tetrachloride	117	7.264	7.264	(0.924)	239158	20.0000	19
46 1,1-Dichloropropene	75	7.246	7.246	(0.921)	239618	20.0000	19
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.457	7.457	(0.948)	397646	50.0000	49
48 Benzene	78	7.529	7.529	(0.665)	445507	20.0000	20
49 1,2-Dichloroethane	62	7.548	7.548	(0.960)	201694	20.0000	19
50 t-Amyl-methyl-ether	73	7.612	7.612	(0.968)	441950	20.0000	18
61 Isopropyl Acetate	43	7.529	7.529	(0.957)	915089	40.0000	45
* 52 Fluorobenzene	96	7.866	7.866	(1.000)	1054737	50.0000	
54 Trichloroethene	95	8.309	8.309	(1.056)	185400	20.0000	19
56 Methyl cyclohexane	83	8.547	8.547	(1.087)	109019	20.0000	21
55 Ethyl Acrylate	55	8.382	8.382	(1.066)	207929	20.0000	18
57 1,2-Dichloropropane	63	8.601	8.601	(1.094)	199285	20.0000	18
58 Dibromomethane	93	8.748	8.748	(1.112)	172197	20.0000	19
59 Methyl Methacrylate	100	8.675	8.675	(1.103)	39608	20.0000	18
68 Bromodichloromethane	83	8.904	8.904	(1.132)	341610	20.0000	18
62 2-Chloroethyl Vinyl Ether	63	9.221	9.221	(1.172)	110036	20.0000	21
63 Epichlorohydrin	57	9.322	9.322	(0.824)	304546	400.000	400
67 cis-1,3-Dichloropropene	75	9.414	9.414	(0.832)	279052	20.0000	18
70 4-Methyl-2-Pentanone	43	9.568	9.568	(0.845)	163434	20.0000	19
\$ 65 Toluene-d8 (SUR)	98	9.723	9.723	(0.859)	810085	50.0000	48
66 Toluene	91	9.806	9.806	(0.866)	414804	20.0000	18
64 trans-1,3-Dichloropropene	75	10.040	10.040	(0.887)	231145	20.0000	18
69 1,1,2-Trichloroethane	83	10.250	10.250	(0.906)	139881	20.0000	19
71 Tetrachloroethene	166	10.422	10.422	(0.921)	146320	20.0000	20
72 1,3-Dichloropropane	76	10.441	10.441	(0.923)	255443	20.0000	19
73 2-Hexanone	43	10.496	10.496	(0.927)	91438	20.0000	18
74 Dibromochloromethane	129	10.707	10.707	(0.946)	242011	20.0000	18
76 Butyl Acetate	73	10.606	10.606	(0.937)	91639	40.0000	38
77 1,2-Dibromoethane	107	10.844	10.844	(0.958)	213990	20.0000	19
* 78 Chlorobenzene-d5	117	11.317	11.317	(1.000)	723930	50.0000	
79 Chlorobenzene	112	11.354	11.354	(1.003)	301601	20.0000	20

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03964.d
 Report Date: 26-Sep-2011 19:38

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
80 1,1,1,2-Tetrachloroethane	131	11.432	11.432	(1.010)	167495	20.0000	19
81 Ethylbenzene	106	11.441	11.441	(1.011)	110644	20.0000	19
82 m+p-Xylene	106	11.551	11.551	(1.021)	306556	40.0000	40
84 o-Xylene	106	11.973	11.973	(1.058)	146000	20.0000	19
85 Styrene	104	11.982	11.982	(1.059)	271032	20.0000	19
83 Butyl Acrylate	73	11.863	11.863	(1.048)	129048	20.0000	19
86 Bromoform	173	12.218	12.218	(1.080)	149778	20.0000	18
88 Isopropylbenzene	105	12.328	12.328	(1.089)	344893	20.0000	20
\$ 89 Bromofluorobenzene (SUR)	174	12.511	12.511	(0.910)	305792	50.0000	47
90 Camphene (total)	93	12.622	12.622	(1.115)	93749	20.0000	19
91 Bromobenzene	156	12.695	12.695	(0.924)	136243	20.0000	19
92 1,1,2,2-Tetrachloroethane	83	12.640	12.640	(0.920)	221936	20.0000	18
93 1,2,3-Trichloropropane	110	12.705	12.705	(0.924)	53835	20.0000	20
94 trans-1,4-Dichloro-2-butene	53	12.686	12.686	(0.923)	39745	20.0000	18
95 n-Propylbenzene	91	12.741	12.741	(0.927)	382310	20.0000	20
96 2-Chlorotoluene	91	12.868	12.868	(0.936)	219967	20.0000	14
97 1,3,5-Trimethylbenzene	105	12.905	12.905	(0.939)	265645	20.0000	20
98 4-Chlorotoluene	91	12.978	12.978	(0.944)	331974	20.0000	19
99 Butyl Methacrylate	87	12.951	12.951	(0.942)	215617	20.0000	20
100 tert-Butylbenzene	119	13.271	13.271	(0.966)	242366	20.0000	20
101 1,2,4-Trimethylbenzene	105	13.317	13.317	(0.969)	269879	20.0000	20
103 sec-Butylbenzene	105	13.508	13.508	(0.983)	329376	20.0000	21
105 1,3-Dichlorobenzene	146	13.682	13.682	(0.995)	173788	20.0000	20
107 p-Isopropyltoluene	119	13.646	13.646	(0.993)	249620	20.0000	20
* 108 1,4-Dichlorobenzene-d4	152	13.745	13.745	(1.000)	303495	50.0000	
109 1,4-Dichlorobenzene	146	13.773	13.773	(1.002)	203253	20.0000	19
110 Benzyl Chloride	91	13.918	13.918	(1.013)	229263	20.0000	20
106 n-Butylbenzene	91	14.102	14.102	(1.026)	243334	20.0000	20
111 1,2-Dichlorobenzene	146	14.212	14.212	(1.034)	188712	20.0000	20
112 1,2-Dibromo-3-chloropropane	75	15.186	15.186	(1.105)	38260	20.0000	17
114 1,2,4-Trichlorobenzene	180	16.366	16.366	(1.191)	86472	20.0000	19
115 Hexachlorobutadiene	225	16.587	16.587	(1.207)	77653	20.0000	22
116 Naphthalene	128	16.815	16.815	(1.223)	141735	20.0000	18
117 1,2,3-Trichlorobenzene	180	17.226	17.226	(1.253)	72703	20.0000	22
M 120 1,2-Dichloroethene (Total)	100				345307	40.0000	38
M 121 Xylene (Total)	100				452557	60.0000	60

Data File: j03964.d

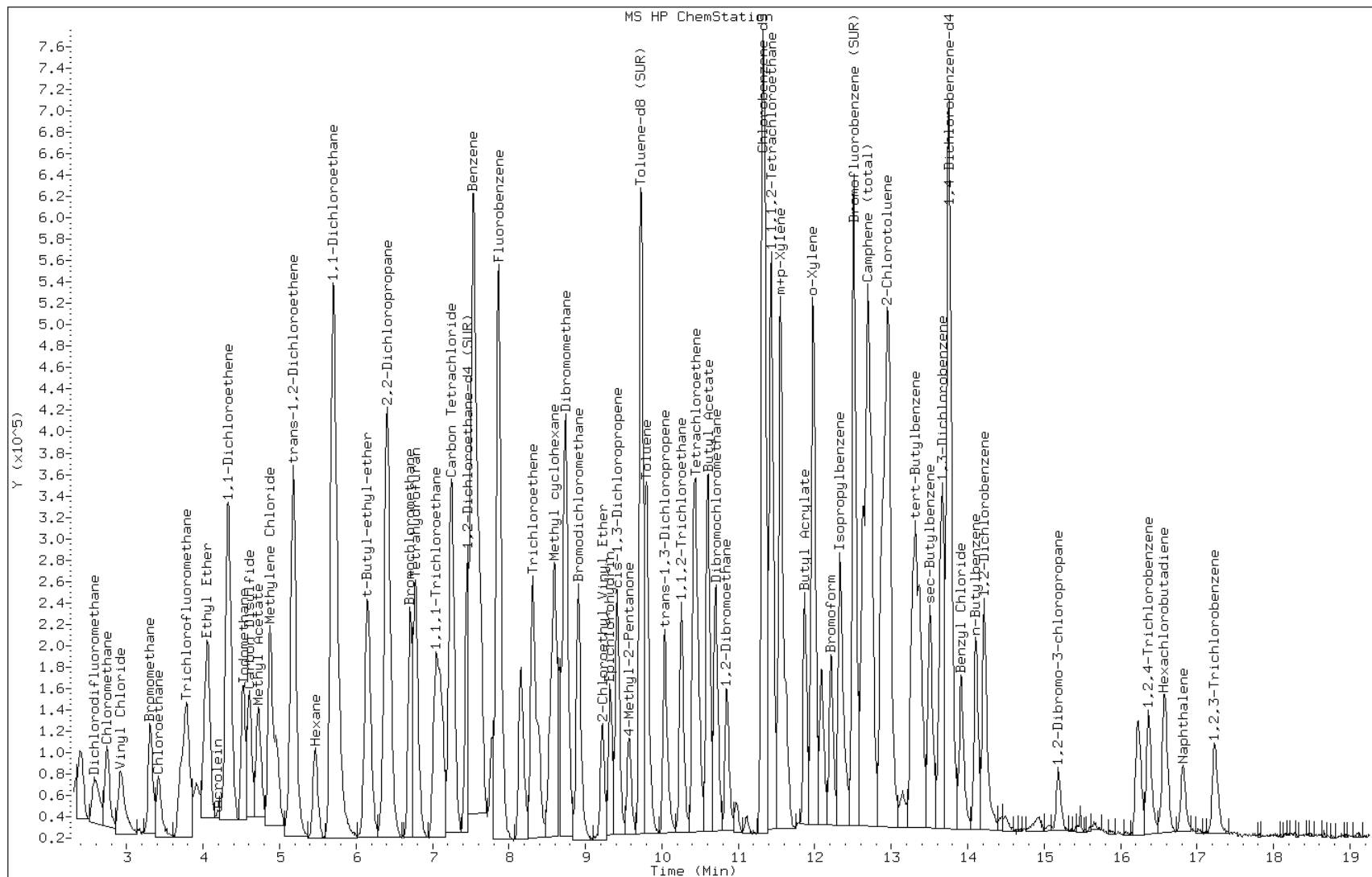
Date: 26-SEP-2011 19:24

Client ID:

Instrument: VOAMS8.i

Sample Info: CCVIS

Operator:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Lab Sample ID: CCV 460-87364/23 Calibration Date: 09/27/2011 06:08

Instrument ID: VOAMS8 Calib Start Date: 09/22/2011 02:30

GC Column: DB-624 ID: 0.53 (mm) Calib End Date: 09/22/2011 05:00

Lab File ID: j03988.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	QuaF	0.5724	0.8226	0.1000	24.0	20.0	20.0	25.0
Chloromethane	QuaF	0.4099	0.5453	0.1000	21.6	20.0	8.1	25.0
Vinyl chloride	QuaF	0.4113	0.5504	0.1000	21.6	20.0	7.9	25.0
Bromomethane	Ave	0.3901	0.4674	0.1000	24.0	20.0	19.8	25.0
Chloroethane	Ave	0.2397	0.2740	0.1000	22.9	20.0	14.3	25.0
Trichlorofluoromethane	Ave	0.7688	0.9149	0.1000	23.8	20.0	19.0	25.0
Ethyl ether	Ave	0.2760	0.2465	0.1000	17.9	20.0	-10.7	25.0
1,1-Dichloroethene	Ave	0.3601	0.3622	0.1000	20.1	20.0	0.6	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.6136	0.5972	0.1000	19.5	20.0	-2.7	25.0
Acetone	Ave	0.0236	0.0245*	0.1000	20.7	20.0	3.7	25.0
Iodomethane	Ave	0.9764	0.9342	0.1000	19.1	20.0	-4.3	25.0
Carbon disulfide	Ave	1.102	1.020	0.1000	18.5	20.0	-7.4	25.0
Methyl acetate	LinF	0.0879	0.0825*	0.1000	20.9	20.0	4.5	25.0
Methylene Chloride	Ave	0.4475	0.4459	0.1000	19.9	20.0	-0.4	25.0
2-Methyl-2-propanol	Ave	0.0299	0.0271*	0.1000	362	400	-9.5	25.0
Acrylonitrile	Ave	0.0940	0.0749*	0.1000	15.9	20.0	-20.3	25.0
Methyl tert-butyl ether	Ave	1.026	0.9184	0.1000	17.9	20.0	-10.5	25.0
trans-1,2-Dichloroethene	Ave	0.4114	0.4130	0.1000	20.1	20.0	0.4	25.0
Hexane	LinF	0.1318	0.1208	0.1000	16.9	20.0	-15.3	25.0
1,1-Dichloroethane	Ave	0.8431	0.8074	0.1000	19.2	20.0	-4.2	25.0
Vinyl acetate	LinF	1.383	1.102	0.1000	18.9	20.0	-5.4	25.0
Isopropyl ether	Ave	1.928	1.668	0.1000	17.3	20.0	-13.5	25.0
Tert-butyl ethyl ether	Ave	1.453	1.328	0.1000	18.3	20.0	-8.6	25.0
2-Butanone (MEK)	Ave	0.0316	0.0291*	0.1000	18.4	20.0	-7.8	25.0
cis-1,2-Dichloroethene	Ave	0.4460	0.4356	0.1000	19.5	20.0	-2.3	25.0
2,2-Dichloropropane	Ave	0.6466	0.6293	0.1000	19.5	20.0	-2.7	25.0
Ethyl acetate	Ave	0.0417	0.0401*	0.1000	38.5	40.0	-3.8	25.0
Chlorobromomethane	Ave	0.2833	0.2914	0.1000	20.6	20.0	2.8	25.0
Tetrahydrofuran	Ave	0.1065	0.0917*	0.1000	17.2	20.0	-14.0	25.0
Chloroform	Ave	0.9049	0.8953	0.1000	19.8	20.0	-1.1	25.0
1,1,1-Trichloroethane	Ave	0.6660	0.7002	0.1000	21.0	20.0	5.1	25.0
Cyclohexane	Ave	0.4053	0.3647	0.1000	18.0	20.0	-10.0	25.0
1,1-Dichloropropene	Ave	0.6031	0.6060	0.1000	20.1	20.0	0.5	25.0
Carbon tetrachloride	Ave	0.6035	0.6296	0.1000	20.9	20.0	4.3	25.0
Benzene	Ave	1.575	1.519	0.1000	19.3	20.0	-3.5	25.0
Isopropyl acetate	LinF	1.197	1.060	0.1000	44.2	40.0	10.6	25.0
1,2-Dichloroethane	Ave	0.5106	0.5083	0.1000	19.9	20.0	-0.5	25.0
Tert-amyl methyl ether	Ave	1.138	1.087	0.1000	19.1	20.0	-4.5	25.0
Trichloroethene	Ave	0.4585	0.4814	0.1000	21.0	20.0	5.0	25.0
Ethyl acrylate	Ave	0.5606	0.4793	0.1000	17.1	20.0	-14.5	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Lab Sample ID: CCV 460-87364/23 Calibration Date: 09/27/2011 06:08

Instrument ID: VOAMS8 Calib Start Date: 09/22/2011 02:30

GC Column: DB-624 ID: 0.53 (mm) Calib End Date: 09/22/2011 05:00

Lab File ID: j03988.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.2481	0.2510	0.1000	20.2	20.0	1.2	25.0
1,2-Dichloropropane	Ave	0.5098	0.5111	0.1000	20.1	20.0	0.3	25.0
Methyl methacrylate	Ave	0.1035	0.1030	0.1000	19.9	20.0	-0.5	25.0
Dibromomethane	Ave	0.4323	0.4462	0.1000	20.6	20.0	3.2	25.0
Dichlorobromomethane	Ave	0.8857	0.8652	0.1000	19.5	20.0	-2.3	25.0
2-Chloroethyl vinyl ether	Ave	0.2506	0.2497	0.1000	19.9	20.0	-0.4	25.0
Epichlorohydrin	Ave	0.0530	0.0463*	0.1000	349	400	-12.7	25.0
cis-1,3-Dichloropropene	Ave	1.051	0.9429	0.1000	17.9	20.0	-10.3	25.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5951	0.5010	0.1000	16.8	20.0	-15.8	25.0
Toluene	Ave	1.563	1.461	0.1000	18.7	20.0	-6.5	25.0
trans-1,3-Dichloropropene	Ave	0.8805	0.7793	0.1000	17.7	20.0	-11.5	25.0
1,1,2-Trichloroethane	Ave	0.5053	0.4890	0.1000	19.4	20.0	-3.2	25.0
Tetrachloroethene	Ave	0.5125	0.5083	0.1000	19.8	20.0	-0.8	25.0
1,3-Dichloropropane	Ave	0.9170	0.8818	0.1000	19.2	20.0	-3.8	25.0
2-Hexanone	Ave	0.3491	0.2848	0.1000	16.3	20.0	-18.4	25.0
n-Butyl acetate	Ave	0.1647	0.1554	0.1000	37.7	40.0	-5.7	25.0
Chlorodibromomethane	Ave	0.9082	0.8771	0.1000	19.3	20.0	-3.4	25.0
Ethylene Dibromide	Ave	0.7887	0.7717	0.1000	19.6	20.0	-2.2	25.0
Chlorobenzene	Ave	1.044	1.083	0.1000	20.7	20.0	3.7	25.0
1,1,1,2-Tetrachloroethane	Ave	0.5962	0.5817	0.1000	19.5	20.0	-2.4	25.0
Ethylbenzene	Ave	0.4064	0.4338	0.1000	21.3	20.0	6.7	25.0
m-Xylene & p-Xylene	Ave	0.5280	0.5673	0.1000	43.0	40.0	7.4	25.0
n-Butyl acrylate	Ave	0.4626	0.4166	0.1000	18.0	20.0	-9.9	25.0
o-Xylene	Ave	0.5189	0.5345	0.1000	20.6	20.0	3.0	25.0
Styrene	Ave	0.9798	0.9754	0.1000	19.9	20.0	-0.4	25.0
Bromoform	Ave	0.5829	0.5529	0.1000	19.0	20.0	-5.2	25.0
Isopropylbenzene	Ave	1.205	1.229	0.1000	20.4	20.0	2.0	25.0
Camphene	Ave	0.3463	0.3389	0.1000	19.6	20.0	-2.2	25.0
1,1,2,2-Tetrachloroethane	Ave	1.982	1.873	0.1000	18.9	20.0	-5.5	25.0
Bromobenzene	Ave	1.197	1.218	0.1000	20.3	20.0	1.7	25.0
trans-1,4-Dichloro-2-butene	Ave	0.3585	0.3296	0.1000	18.4	20.0	-8.1	25.0
1,2,3-Trichloropropane	Ave	0.4537	0.4474	0.1000	19.7	20.0	-1.4	25.0
N-Propylbenzene	Ave	3.069	3.173	0.1000	20.7	20.0	3.4	25.0
2-Chlorotoluene	Ave	2.627	2.830	0.1000	21.6	20.0	7.8	25.0
1,3,5-Trimethylbenzene	Ave	2.141	2.223	0.1000	20.8	20.0	3.8	25.0
Butyl Methacrylate	Ave	1.814	1.754	0.1000	19.3	20.0	-3.3	25.0
4-Chlorotoluene	Ave	2.874	3.087	0.1000	21.5	20.0	7.4	25.0
tert-Butylbenzene	Ave	2.027	2.175	0.1000	21.5	20.0	7.3	25.0
1,2,4-Trimethylbenzene	Ave	2.236	2.380	0.1000	21.3	20.0	6.4	25.0
sec-Butylbenzene	Ave	2.602	2.867	0.1000	22.0	20.0	10.2	25.0
4-Isopropyltoluene	Ave	2.063	2.204	0.1000	21.4	20.0	6.8	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: CCV 460-87364/23 Calibration Date: 09/27/2011 06:08
 Instrument ID: VOAMS8 Calib Start Date: 09/22/2011 02:30
 GC Column: DB-624 ID: 0.53 (mm) Calib End Date: 09/22/2011 05:00
 Lab File ID: j03988.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichlorobenzene	Ave	1.391	1.488	0.1000	21.4	20.0	7.0	25.0
1,4-Dichlorobenzene	Ave	1.775	1.965	0.1000	22.1	20.0	10.7	25.0
Benzyl chloride	Ave	1.892	1.756	0.1000	18.6	20.0	-7.2	25.0
n-Butylbenzene	Ave	1.956	2.039	0.1000	20.8	20.0	4.2	25.0
1,2-Dichlorobenzene	Ave	1.525	1.583	0.1000	20.7	20.0	3.7	25.0
1,2-Dibromo-3-Chloropropane	LinF	0.3734	0.3225	0.1000	17.0	20.0	-14.9	25.0
1,2,4-Trichlorobenzene	QuaF	0.6187	0.6604	0.1000	17.5	20.0	-12.4	25.0
Hexachlorobutadiene	Ave	0.5666	0.6818	0.1000	24.1	20.0	20.3	25.0
Naphthalene	QuaF	1.019	0.9649	0.1000	15.0	20.0	-25.0	25.0
1,2,3-Trichlorobenzene	LinF	0.4424	0.5129	0.1000	18.6	20.0	-7.2	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3861	0.3787	0.1000	49.0	50.0	-1.9	25.0
Toluene-d8 (Surr)	Ave	1.156	1.110	0.1000	48.0	50.0	-4.0	25.0
4-Bromofluorobenzene	Ave	1.067	1.049	0.1000	49.1	50.0	-1.7	25.0

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11dea.b/j03988.d
 Report Date: 27-Sep-2011 06:20

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11dea.b/j03988.d
 Lab Smp Id: CCV
 Inj Date : 27-SEP-2011 06:08
 Operator : Inst ID: VOAMS8.i
 Smp Info : CCV
 Misc Info :
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11dea.b/8260DE_09.m
 Meth Date : 27-Sep-2011 06:20 audberto Quant Type: ISTD
 Cal Date : 27-SEP-2011 06:08 Cal File: j03988.d
 Als bottle: 21 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	2.593	2.593	(0.330)	257228	20.0000	24
3 Chloromethane	50	2.744	2.744	(0.349)	170515	20.0000	22
4 Vinyl Chloride	62	2.917	2.917	(0.371)	172119	20.0000	22
6 Bromomethane	94	3.296	3.296	(0.420)	146171	20.0000	24
5 Chloroethane	64	3.413	3.413	(0.435)	85694	20.0000	23
7 Trichlorofluoromethane	101	3.741	3.741	(0.476)	286091	20.0000	24
11 Ethyl Ether	59	4.015	4.015	(0.511)	77095	20.0000	18
15 1,1-Dichloroethene	96	4.315	4.315	(0.549)	113274	20.0000	20
14 Freon TF	101	4.333	4.333	(0.552)	186747	20.0000	19
16 Acetone	58	4.370	4.370	(0.556)	7646	20.0000	21
17 Iodomethane	142	4.525	4.525	(0.576)	292144	20.0000	19
18 Carbon Disulfide	76	4.608	4.608	(0.587)	318969	20.0000	18
27 Methyl Acetate	74	4.716	4.716	(0.600)	25788	20.0000	21
22 Methylene Chloride	84	4.880	4.880	(0.621)	139440	20.0000	20
24 TBA	59	4.962	4.962	(0.632)	169547	400.000	360
25 trans-1,2-Dichloroethene	96	5.182	5.182	(0.660)	129139	20.0000	20

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11dea.b/j03988.d
Report Date: 27-Sep-2011 06:20

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
26 Acrylonitrile	53	5.163	5.163	(0.657)	23415	20.0000	16
28 MTBE	73	5.172	5.172	(0.659)	287209	20.0000	18
29 Hexane	56	5.461	5.461	(0.695)	37786	20.0000	17
30 1,1-Dichloroethane	63	5.688	5.688	(0.724)	252472	20.0000	19
31 Vinyl Acetate	43	5.698	5.698	(0.725)	344701	20.0000	19
32 DIPE	45	5.707	5.707	(0.727)	521661	20.0000	17
35 t-Butyl-ethyl-ether	59	6.139	6.139	(0.782)	415362	20.0000	18
37 2,2-Dichloropropane	77	6.404	6.404	(0.815)	196794	20.0000	19
36 cis-1,2-Dichloroethene	96	6.394	6.394	(0.814)	136214	20.0000	20
38 2-Butanone	72	6.385	6.385	(0.813)	9111	20.0000	18
39 Ethyl Acetate	70	6.422	6.422	(0.818)	25067	40.0000	38
40 Bromochloromethane	128	6.714	6.714	(0.855)	91129	20.0000	20
41 Tetrahydrofuran	42	6.742	6.742	(0.858)	28661	20.0000	17
42 Chloroform	83	6.778	6.778	(0.863)	279970	20.0000	20
43 1,1,1-Trichloroethane	97	7.043	7.043	(0.897)	218968	20.0000	21
44 Cyclohexane	56	7.116	7.116	(0.906)	114041	20.0000	18
45 Carbon Tetrachloride	117	7.253	7.253	(0.923)	196883	20.0000	21
46 1,1-Dichloropropene	75	7.235	7.235	(0.921)	189496	20.0000	20
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.446	7.446	(0.948)	296067	50.0000	49
48 Benzene	78	7.519	7.519	(0.664)	359418	20.0000	19
49 1,2-Dichloroethane	62	7.546	7.546	(0.961)	158946	20.0000	20
50 t-Amyl-methyl-ether	73	7.618	7.618	(0.970)	339889	20.0000	19
61 Isopropyl Acetate	43	7.528	7.528	(0.958)	663098	40.0000	44
* 52 Fluorobenzene	96	7.854	7.854	(1.000)	781789	50.0000	
54 Trichloroethene	95	8.308	8.308	(1.058)	150551	20.0000	21
56 Methyl cyclohexane	83	8.537	8.537	(1.087)	78500	20.0000	20
55 Ethyl Acrylate	55	8.381	8.381	(1.067)	149894	20.0000	17
57 1,2-Dichloropropane	63	8.591	8.591	(1.094)	159825	20.0000	20
58 Dibromomethane	93	8.736	8.736	(1.112)	139521	20.0000	21
59 Methyl Methacrylate	100	8.663	8.663	(1.103)	32205	20.0000	20
68 Bromodichloromethane	83	8.900	8.900	(1.133)	270545	20.0000	20
62 2-Chloroethyl Vinyl Ether	63	9.210	9.210	(1.173)	78089	20.0000	20
63 Epichlorohydrin	57	9.320	9.320	(0.824)	218921	400.000	350
67 cis-1,3-Dichloropropene	75	9.412	9.412	(0.832)	223046	20.0000	18
70 4-Methyl-2-Pentanone	43	9.568	9.568	(0.846)	118506	20.0000	17
\$ 65 Toluene-d8 (SUR)	98	9.714	9.714	(0.858)	656444	50.0000	48
66 Toluene	91	9.797	9.797	(0.866)	345711	20.0000	19
64 trans-1,3-Dichloropropene	75	10.034	10.034	(0.887)	184335	20.0000	18
69 1,1,2-Trichloroethane	83	10.245	10.245	(0.905)	115662	20.0000	19
71 Tetrachloroethene	166	10.409	10.409	(0.920)	120233	20.0000	20
72 1,3-Dichloropropane	76	10.436	10.436	(0.922)	208594	20.0000	19
73 2-Hexanone	43	10.481	10.481	(0.926)	67377	20.0000	16
74 Dibromochloromethane	129	10.700	10.700	(0.946)	207470	20.0000	19
76 Butyl Acetate	73	10.600	10.600	(0.937)	73498	40.0000	38
77 1,2-Dibromoethane	107	10.841	10.841	(0.958)	182542	20.0000	20
* 78 Chlorobenzene-d5	117	11.316	11.316	(1.000)	591374	50.0000	
79 Chlorobenzene	112	11.342	11.342	(1.002)	256127	20.0000	21

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11dea.b/j03988.d
 Report Date: 27-Sep-2011 06:20

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
80 1,1,1,2-Tetrachloroethane	131	11.424	11.424	(1.010)	137604	20.0000	20
81 Ethylbenzene	106	11.433	11.433	(1.010)	102620	20.0000	21
82 m+p-Xylene	106	11.540	11.540	(1.020)	268398	40.0000	43
84 o-Xylene	106	11.966	11.966	(1.057)	126446	20.0000	21
85 Styrene	104	11.975	11.975	(1.058)	230727	20.0000	20
83 Butyl Acrylate	73	11.856	11.856	(1.048)	98551	20.0000	18
86 Bromoform	173	12.213	12.213	(1.079)	130789	20.0000	19
88 Isopropylbenzene	105	12.320	12.320	(1.089)	290752	20.0000	20
\$ 89 Bromofluorobenzene (SUR)	174	12.502	12.502	(0.910)	260143	50.0000	49
90 Camphene (total)	93	12.619	12.619	(1.115)	80156	20.0000	20
91 Bromobenzene	156	12.684	12.684	(0.923)	120857	20.0000	20
92 1,1,2,2-Tetrachloroethane	83	12.638	12.638	(0.920)	185816	20.0000	19
93 1,2,3-Trichloropropane	110	12.702	12.702	(0.925)	44398	20.0000	20
94 trans-1,4-Dichloro-2-butene	53	12.684	12.684	(0.923)	32706	20.0000	18
95 n-Propylbenzene	91	12.739	12.739	(0.927)	314863	20.0000	21
96 2-Chlorotoluene	91	12.864	12.864	(0.936)	280866	20.0000	22
97 1,3,5-Trimethylbenzene	105	12.901	12.901	(0.939)	220594	20.0000	21
98 4-Chlorotoluene	91	12.973	12.973	(0.944)	306297	20.0000	21
99 Butyl Methacrylate	87	12.947	12.947	(0.942)	174023	20.0000	19
100 tert-Butylbenzene	119	13.266	13.266	(0.966)	215801	20.0000	21
101 1,2,4-Trimethylbenzene	105	13.309	13.309	(0.969)	236138	20.0000	21
103 sec-Butylbenzene	105	13.500	13.500	(0.983)	284470	20.0000	22
105 1,3-Dichlorobenzene	146	13.674	13.674	(0.995)	147659	20.0000	21
107 p-Isopropyltoluene	119	13.637	13.637	(0.993)	218678	20.0000	21
* 108 1,4-Dichlorobenzene-d4	152	13.739	13.739	(1.000)	248077	50.0000	
109 1,4-Dichlorobenzene	146	13.766	13.766	(1.002)	194971	20.0000	22
110 Benzyl Chloride	91	13.913	13.913	(1.013)	174248	20.0000	18
106 n-Butylbenzene	91	14.105	14.105	(1.027)	202352	20.0000	21
111 1,2-Dichlorobenzene	146	14.206	14.206	(1.034)	157040	20.0000	21
112 1,2-Dibromo-3-chloropropane	75	15.173	15.173	(1.104)	32002	20.0000	17
114 1,2,4-Trichlorobenzene	180	16.364	16.364	(1.191)	65530	20.0000	18
115 Hexachlorobutadiene	225	16.566	16.566	(1.206)	67657	20.0000	24
116 Naphthalene	128	16.814	16.814	(1.224)	95743	20.0000	15
117 1,2,3-Trichlorobenzene	180	17.218	17.218	(1.253)	50891	20.0000	18
M 120 1,2-Dichloroethene (Total)	100				265353	40.0000	40
M 121 Xylene (Total)	100				394844	60.0000	64

Data File: j03988.d

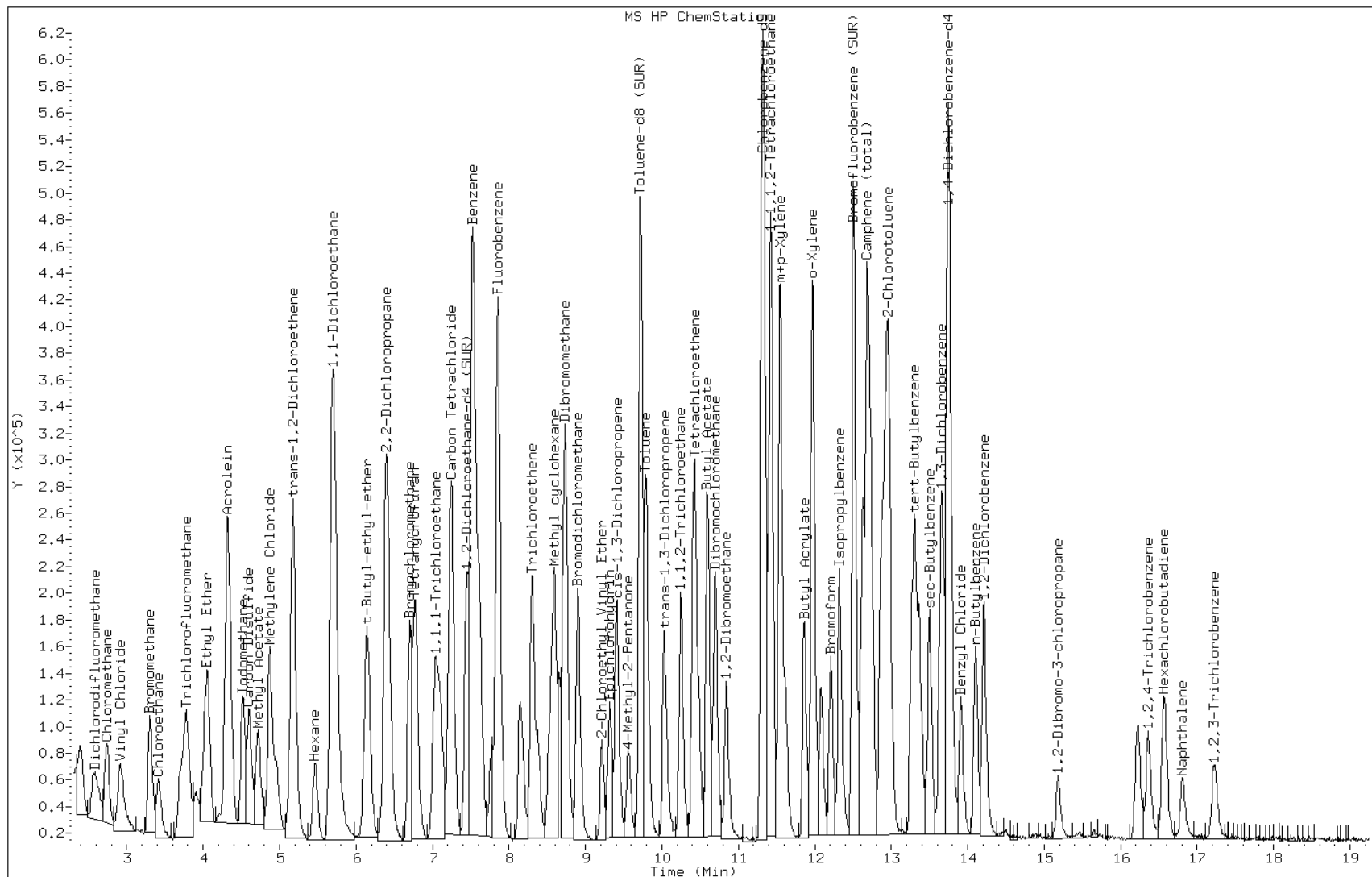
Date: 27-SEP-2011 06:08

Client ID:

Instrument: VOAMS8.i

Sample Info: CCV

Operator:



TestAmerica

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03832.d
 Lab Smp Id: BFB
 Inj Date : 22-SEP-2011 01:35
 Operator : VOAMS 1 Inst ID: VOAMS8.i
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/8260BFB.m
 Meth Date : 22-Oct-2010 18:32 maryb Quant Type: ISTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
RT	EXP RT (REL RT)	MASS	RESPONSE	ON-COL		TARGET RANGE	RATIO
				(ug/L)	(ug/L)		
==	=====	=====	=====	=====	=====	=====	=====
1 BFB						CAS #: 460-00-4	
6.952	7.025 (0.000)	95	160896			0.00- 100.00	100.00
6.952	7.025 (0.000)	50	37056			15.00- 40.00	23.03
6.952	7.025 (0.000)	75	77736			30.00- 60.00	48.31
6.952	7.025 (0.000)	96	11276			5.00- 9.00	7.01
6.952	7.025 (0.000)	173	0			0.00- 2.00	0.00
6.952	7.025 (0.000)	174	93776			50.00- 100.00	58.28
6.952	7.025 (0.000)	175	6871			5.00- 9.00	7.33
6.952	7.025 (0.000)	176	91856			95.00- 101.00	97.95
6.952	7.025 (0.000)	177	5966			5.00- 9.00	6.49

Data File: j03832.d

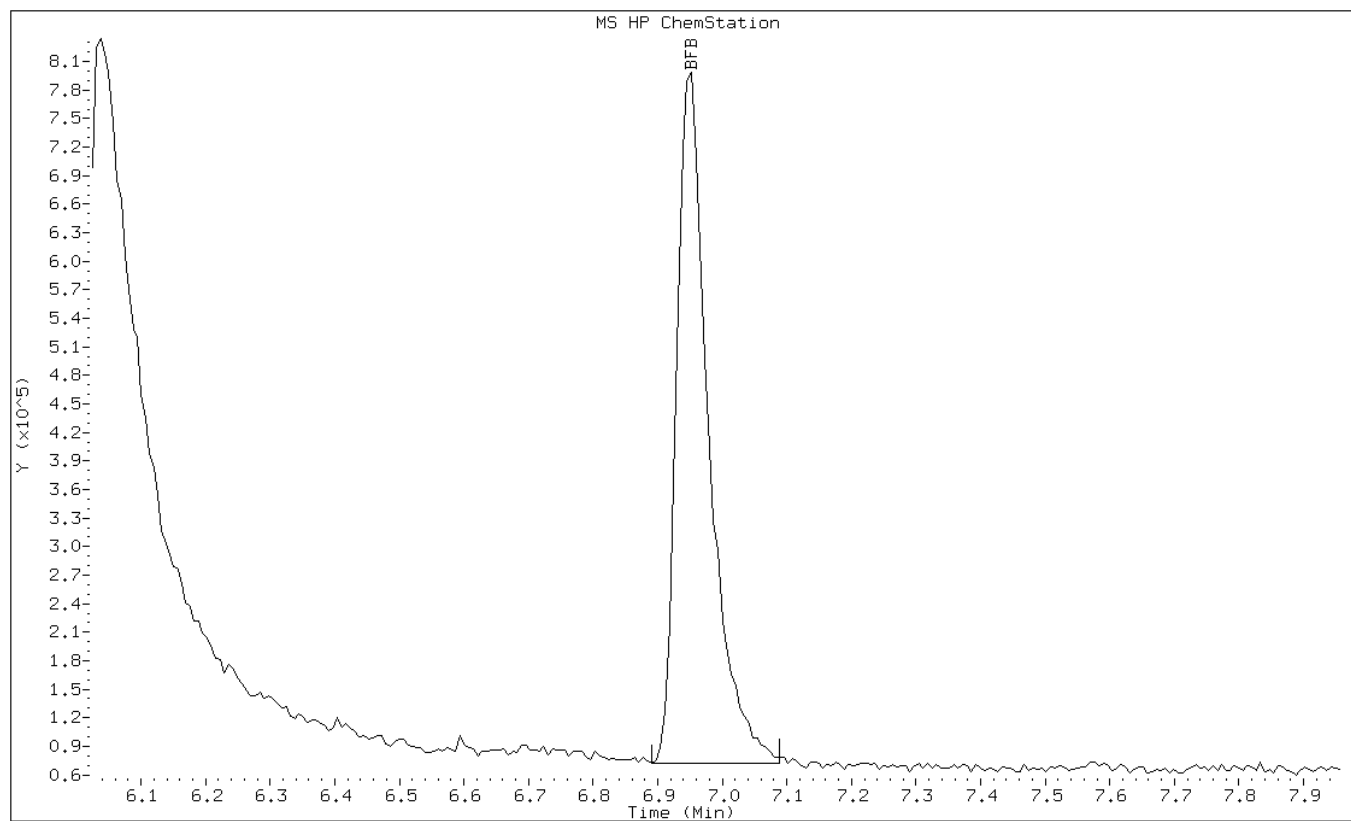
Date: 22-SEP-2011 01:35

Client ID:

Instrument: VOAMS8.i

Sample Info: BFB

Operator: VOAMS 1



Data File: j03832.d

Date: 22-SEP-2011 01:35

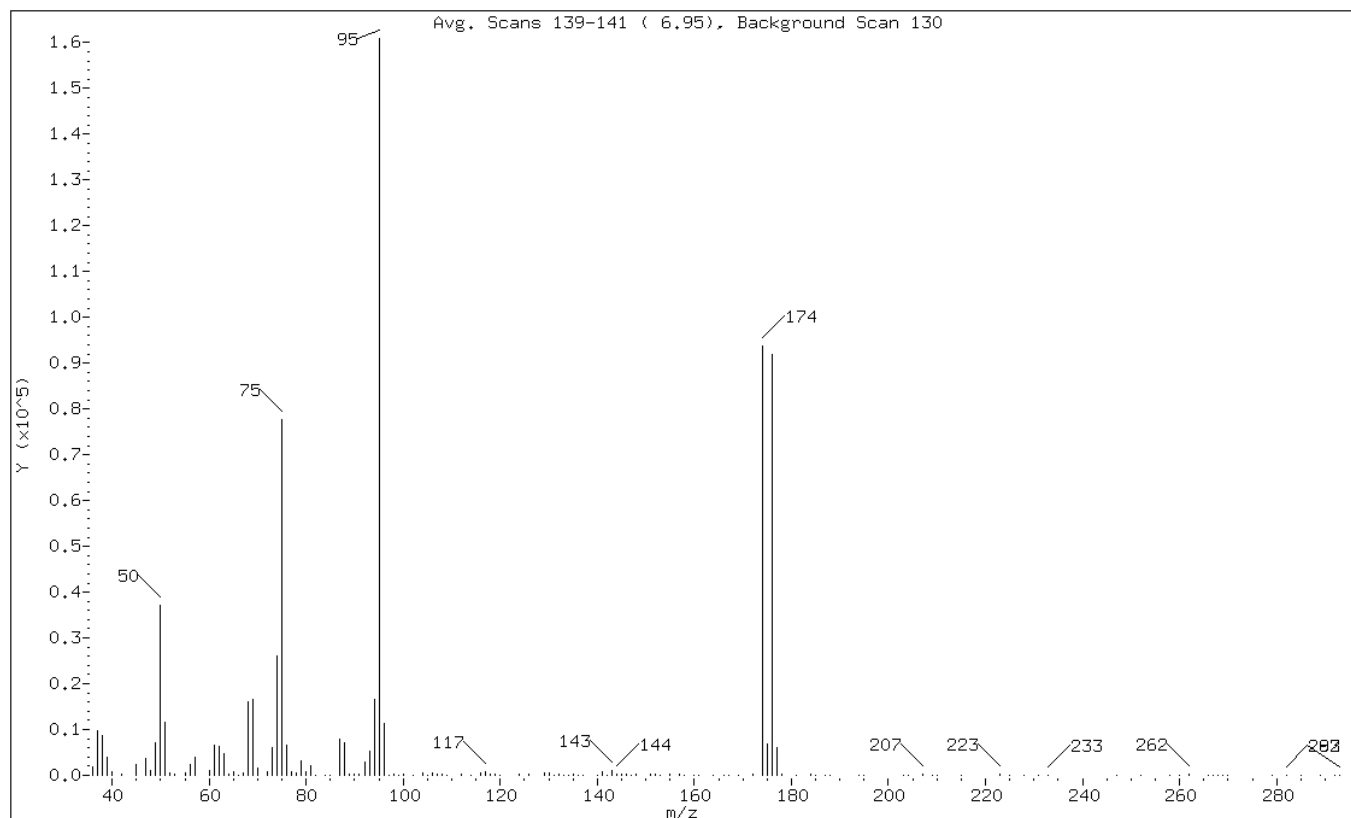
Client ID:

Instrument: VOAMS8.i

Sample Info: BFB

Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.03
75	30.00 - 60.00% of mass 95	48.31
96	5.00 - 9.00% of mass 95	7.01
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	58.28
175	5.00 - 9.00% of mass 174	4.27 (7.33)
176	95.00 - 101.00% of mass 174	57.09 (97.95)
177	5.00 - 9.00% of mass 176	3.71 (6.49)

Data File: j03832.d

Date: 22-SEP-2011 01:35

Client ID:

Instrument: VOAMS8.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/22sep11de.b/j03832.d
Spectrum: Avg. Scans 139-141 (6.95), Background Scan 130
Location of Maximum: 95.00
Number of points: 141

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1846	80.00	744	130.00	584	184.00	333
37.00	9784	81.00	2186	131.00	115	185.00	117
38.00	8737	82.00	20	132.00	135	187.00	1
39.00	4022	84.00	51	133.00	19	188.00	80
40.00	704	85.00	50	134.00	83	194.00	92
42.00	323	87.00	7838	135.00	339	195.00	39
45.00	2239	88.00	7089	136.00	38	203.00	92
47.00	3680	89.00	160	137.00	97	204.00	36
48.00	982	90.00	164	140.00	3	207.00	278
49.00	7107	91.00	299	141.00	723	209.00	85
50.00	37056	92.00	3028	142.00	77	210.00	33
51.00	11698	93.00	5385	143.00	1041	215.00	62
52.00	432	94.00	16472	144.00	297	223.00	143
53.00	134	95.00	160896	145.00	220	225.00	48
55.00	508	96.00	11276	146.00	244	228.00	35
56.00	2476	97.00	66	147.00	73	231.00	46
57.00	3822	98.00	246	148.00	271	233.00	99
60.00	977	99.00	84	151.00	220	247.00	35
61.00	6647	100.00	135	152.00	201	252.00	104
62.00	6306	102.00	60	153.00	25	258.00	120
63.00	4712	104.00	398	155.00	192	260.00	50
64.00	247	105.00	37	157.00	272	262.00	139
65.00	676	106.00	500	158.00	34	266.00	38
66.00	41	107.00	312	160.00	92	267.00	44
67.00	483	108.00	143	161.00	81	268.00	75
68.00	15953	109.00	60	164.00	34	269.00	35
69.00	16712	112.00	285	166.00	58	270.00	34
70.00	1684	114.00	84	167.00	87	279.00	33
72.00	711	116.00	479	169.00	61	282.00	92
73.00	6152	117.00	664	172.00	145	285.00	44
74.00	26032	118.00	368	174.00	93776	289.00	65
75.00	77736	119.00	260	175.00	6871	292.00	44
76.00	6562	120.00	37	176.00	91856	293.00	57
77.00	833	124.00	169	177.00	5966		
78.00	633	126.00	204	178.00	165		
79.00	3097	129.00	480	181.00	58		

TestAmerica

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03962.d
 Lab Smp Id: BFB
 Inj Date : 26-SEP-2011 18:31
 Operator : VOAMS 1 Inst ID: VOAMS8.i
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/8260BFB.m
 Meth Date : 22-Oct-2010 18:32 maryb Quant Type: ISTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS		TARGET RANGE	RATIO
				ON-COL	FINAL		
			(ug/L)	(ug/L)			
==	=====	=====	=====	=====	=====	=====	=====
1 BFB					CAS #: 460-00-4		
6.972	7.025 (0.000)	95	130810			0.00- 100.00	100.00
6.972	7.025 (0.000)	50	31857			15.00- 40.00	24.35
6.972	7.025 (0.000)	75	66970			30.00- 60.00	51.20
6.972	7.025 (0.000)	96	8295			5.00- 9.00	6.34
6.972	7.025 (0.000)	173	0			0.00- 2.00	0.00
6.972	7.025 (0.000)	174	72672			50.00- 100.00	55.56
6.972	7.025 (0.000)	175	5002			5.00- 9.00	6.88
6.972	7.025 (0.000)	176	70176			95.00- 101.00	96.57
6.972	7.025 (0.000)	177	4798			5.00- 9.00	6.84

Data File: j03962.d

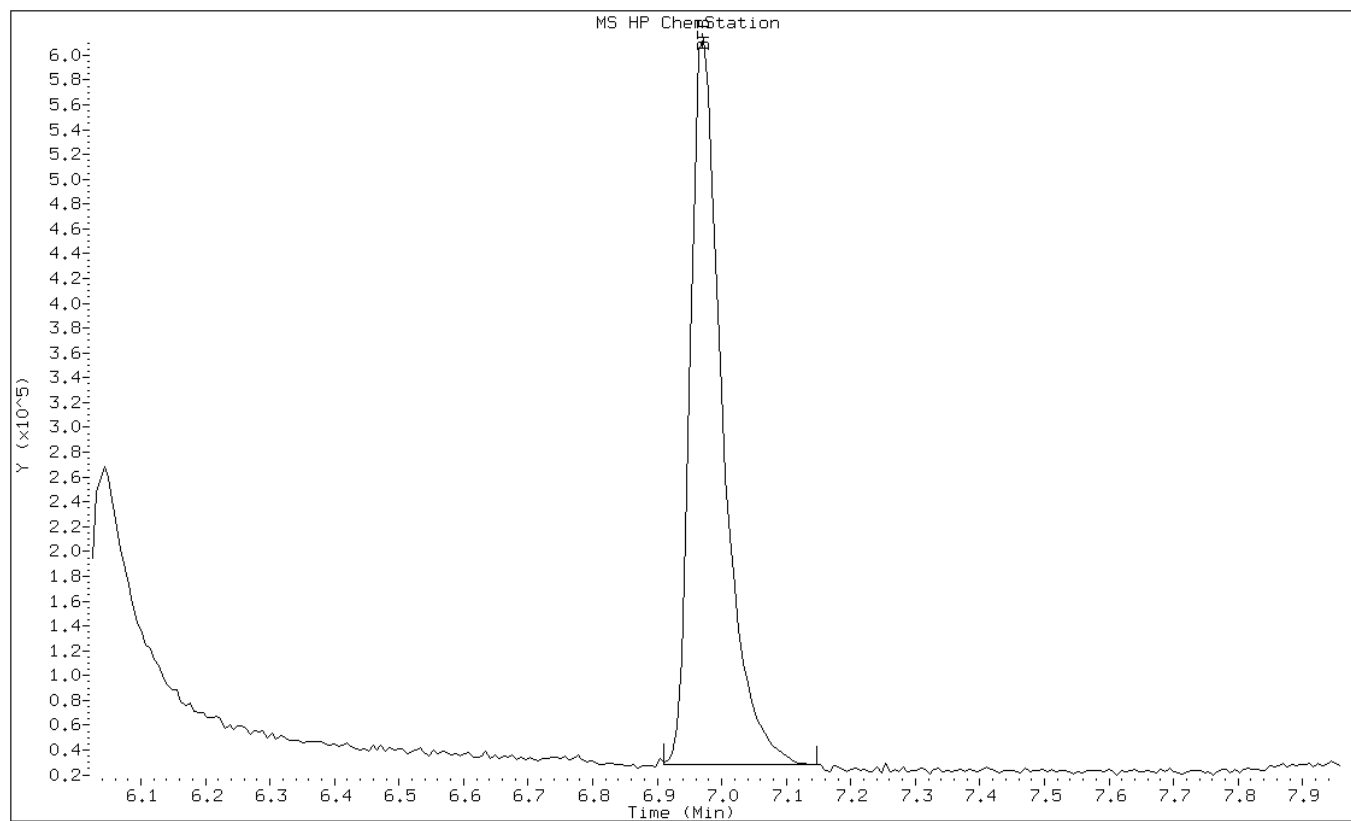
Date: 26-SEP-2011 18:31

Client ID:

Instrument: VOAMS8.i

Sample Info: BFB

Operator: VOAMS 1



Data File: j03962.d

Date: 26-SEP-2011 18:31

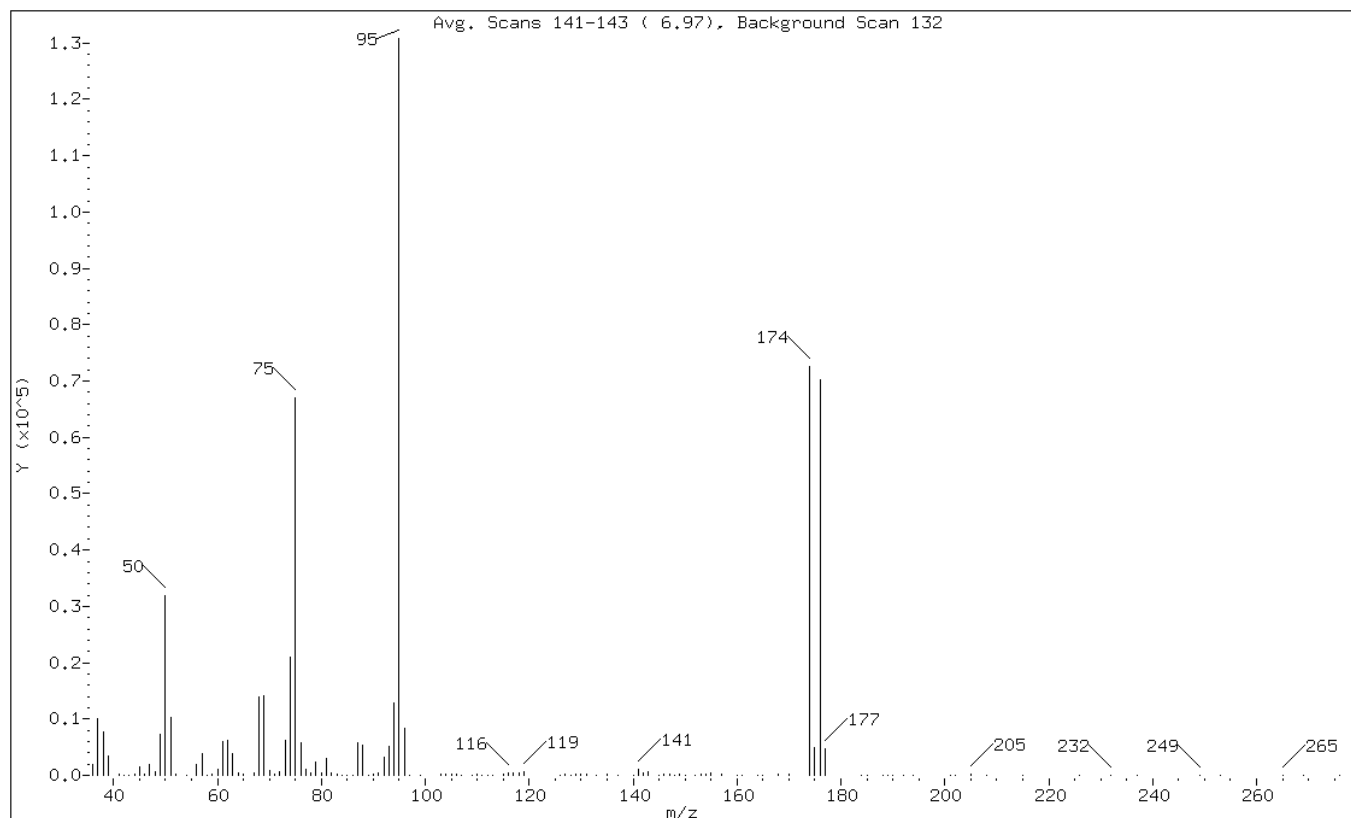
Client ID:

Instrument: VOAMS8.i

Sample Info: BFB

Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.35
75	30.00 - 60.00% of mass 95	51.20
96	5.00 - 9.00% of mass 95	6.34
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	55.56
175	5.00 - 9.00% of mass 174	3.82 (6.88)
176	95.00 - 101.00% of mass 174	53.65 (96.57)
177	5.00 - 9.00% of mass 176	3.67 (6.84)

Data File: j03962.d

Date: 26-SEP-2011 18:31

Client ID:

Instrument: VOAMS8.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03962.d
Spectrum: Avg. Scans 141-143 (6.97), Background Scan 132
Location of Maximum: 95.00
Number of points: 128

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1913	73.00	6138	111.00	57	161.00	40
37.00	10114	74.00	20928	112.00	81	164.00	35
38.00	7772	75.00	66968	113.00	39	165.00	93
39.00	3411	76.00	5689	115.00	196	168.00	182
41.00	113	77.00	1034	116.00	335	170.00	147
42.00	49	78.00	383	117.00	514	174.00	72672
43.00	85	79.00	2406	118.00	356	175.00	5002
44.00	240	80.00	524	119.00	546	176.00	70176
45.00	1537	81.00	2925	126.00	69	177.00	4798
46.00	195	82.00	333	127.00	246	184.00	88
47.00	1841	83.00	199	128.00	52	185.00	74
48.00	561	84.00	34	129.00	182	188.00	47
49.00	7303	85.00	46	130.00	213	189.00	34
50.00	31856	86.00	64	131.00	204	190.00	36
51.00	10317	87.00	5780	133.00	96	192.00	104
52.00	268	88.00	5281	135.00	163	194.00	47
54.00	100	89.00	92	137.00	72	201.00	48
56.00	1971	90.00	130	140.00	75	202.00	46
57.00	3864	91.00	481	141.00	999	205.00	171
58.00	53	92.00	3230	142.00	396	208.00	80
59.00	140	93.00	5102	143.00	601	215.00	37
60.00	1170	94.00	12917	145.00	39	226.00	44
61.00	5992	95.00	130808	146.00	192	232.00	55
62.00	6154	96.00	8295	147.00	159	237.00	34
63.00	3834	97.00	46	148.00	60	249.00	50
64.00	454	99.00	55	149.00	137	253.00	43
65.00	136	103.00	139	150.00	62	265.00	88
67.00	401	104.00	237	152.00	74	269.00	53
68.00	13874	105.00	300	153.00	211	276.00	35
69.00	14139	106.00	319	154.00	146		
70.00	770	107.00	81	155.00	348		
71.00	143	109.00	44	157.00	196		
72.00	721	110.00	138	160.00	41		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-87364/4

Matrix: Solid Lab File ID: j03967.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 2.5 (mL) Date Analyzed: 09/26/2011 21:00

Soil Aliquot Vol: 2.5 (mL) Dilution Factor: 50

Soil Extract Vol.: 5 (mL) GC Column: DB-624 ID: 0.53 (mm)

% Moisture: _____ Level: (low/med) Medium

Analysis Batch No.: 87364 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	100	U	100	25
71-43-2	Benzene	100	U	100	12
10061-01-5	cis-1,3-Dichloropropene	100	U	100	10
75-15-0	Carbon disulfide	100	U	100	15
75-25-2	Bromoform	100	U	100	9.9
127-18-4	Tetrachloroethene	100	U	100	20
75-34-3	1,1-Dichloroethane	100	U	100	10
107-06-2	1,2-Dichloroethane	100	U	100	25
78-87-5	1,2-Dichloropropane	100	U	100	8.7
79-00-5	1,1,2-Trichloroethane	100	U	100	9.7
67-64-1	Acetone	1000	U	1000	250
79-20-9	Methyl acetate	200	U	200	33
75-71-8	Dichlorodifluoromethane	100	U	100	28
108-10-1	4-Methyl-2-pentanone (MIBK)	1000	U	1000	68
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	29
75-09-2	Methylene Chloride	100	U	100	19
74-87-3	Chloromethane	100	U	100	21
74-83-9	Bromomethane	100	U	100	31
124-48-1	Chlorodibromomethane	100	U	100	10
108-88-3	Toluene	100	U	100	9.5
120-82-1	1,2,4-Trichlorobenzene	100	U	100	44
108-90-7	Chlorobenzene	100	U	100	17
96-12-8	1,2-Dibromo-3-Chloropropane	100	U	100	15
541-73-1	1,3-Dichlorobenzene	100	U	100	23
1634-04-4	Methyl tert-butyl ether	100	U	100	19
100-42-5	Styrene	100	U	100	14
156-60-5	trans-1,2-Dichloroethene	100	U	100	14
79-34-5	1,1,2,2-Tetrachloroethane	100	U	100	8.6
75-00-3	Chloroethane	100	U	100	45
75-35-4	1,1-Dichloroethene	100	U	100	14
95-50-1	1,2-Dichlorobenzene	100	U	100	16
79-01-6	Trichloroethene	100	U	100	18
591-78-6	2-Hexanone	1000	U	1000	55
78-93-3	2-Butanone (MEK)	1000	U	1000	82
100-41-4	Ethylbenzene	100	U	100	25
98-82-8	Isopropylbenzene	100	U	100	21

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-87364/4
 Matrix: Solid Lab File ID: j03967.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 2.5 (mL) Date Analyzed: 09/26/2011 21:00
 Soil Aliquot Vol: 2.5 (mL) Dilution Factor: 50
 Soil Extract Vol.: 5 (mL) GC Column: DB-624 ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Medium
 Analysis Batch No.: 87364 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-87-2	Methylcyclohexane	100	U	100	8.0
75-69-4	Trichlorofluoromethane	100	U	100	16
1330-20-7	Xylenes, Total	300	U	300	43
110-82-7	Cyclohexane	100	U	100	12
10061-02-6	trans-1,3-Dichloropropene	100	U	100	12
156-59-2	cis-1,2-Dichloroethene	100	U	100	19
67-66-3	Chloroform	100	U	100	16
75-01-4	Vinyl chloride	100	U	100	12
106-93-4	Ethylene Dibromide	100	U	100	9.1
56-23-5	Carbon tetrachloride	100	U	100	18
106-46-7	1,4-Dichlorobenzene	100	U	100	15
75-27-4	Dichlorobromomethane	100	U	100	9.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		57-135
460-00-4	4-Bromofluorobenzene	105		50-124
2037-26-5	Toluene-d8 (Surr)	91		46-130

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03967.d
 Report Date: 26-Sep-2011 21:21

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03967.d
 Lab Smp Id: MB
 Inj Date : 26-SEP-2011 21:00
 Operator : Inst ID: VOAMS8.i
 Smp Info : MB
 Misc Info :
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/8260DE_09.m
 Meth Date : 26-Sep-2011 19:38 ken Quant Type: ISTD
 Cal Date : 26-SEP-2011 19:24 Cal File: j03964.d
 Als bottle: 6 QC Sample: BLANK
 Dil Factor: 50.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/L)	FINAL (ug/Kg)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.447	7.457	(0.948)	295383	45.8650	4600	
* 52 Fluorobenzene	96	7.858	7.866	(1.000)	854126	50.0000		
\$ 65 Toluene-d8 (SUR)	98	9.721	9.723	(0.859)	656129	45.5784	4600	
* 78 Chlorobenzene-d5	117	11.317	11.317	(1.000)	643230	50.0000		
\$ 89 Bromofluorobenzene (SUR)	174	12.507	12.511	(0.910)	261120	52.5590	5200	
* 108 1,4-Dichlorobenzene-d4	152	13.741	13.745	(1.000)	246541	50.0000		

Data File: j03967.d

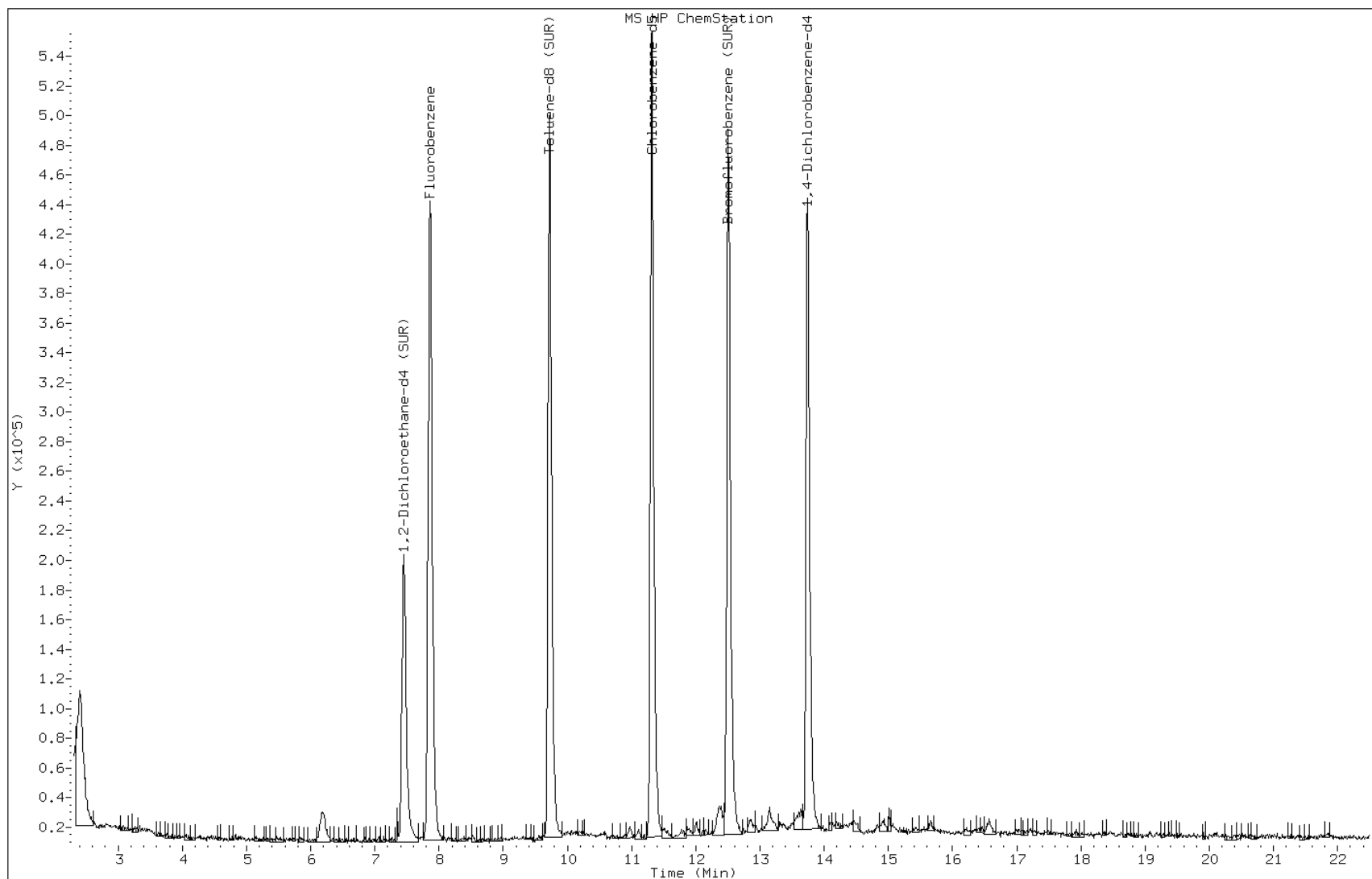
Date: 26-SEP-2011 21:00

Client ID:

Instrument: VOAMS8.i

Sample Info: MB

Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-87364/3

Matrix: Solid Lab File ID: j03965.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 2.5 (mL) Date Analyzed: 09/26/2011 20:10

Soil Aliquot Vol: 2.5 (mL) Dilution Factor: 50

Soil Extract Vol.: 5 (mL) GC Column: DB-624 ID: 0.53 (mm)

% Moisture: _____ Level: (low/med) Medium

Analysis Batch No.: 87364 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1980		100	25
71-43-2	Benzene	2010		100	12
10061-01-5	cis-1,3-Dichloropropene	1980		100	10
75-15-0	Carbon disulfide	1860		100	15
75-25-2	Bromoform	1960		100	9.9
127-18-4	Tetrachloroethene	1880		100	20
75-34-3	1,1-Dichloroethane	2130		100	10
107-06-2	1,2-Dichloroethane	2110		100	25
78-87-5	1,2-Dichloropropane	1950		100	8.7
79-00-5	1,1,2-Trichloroethane	1910		100	9.7
67-64-1	Acetone	2750		1000	250
79-20-9	Methyl acetate	1490		200	33
75-71-8	Dichlorodifluoromethane	1620		100	28
108-10-1	4-Methyl-2-pentanone (MIBK)	1950		1000	68
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2210		100	29
75-09-2	Methylene Chloride	2050		100	19
74-87-3	Chloromethane	1730		100	21
74-83-9	Bromomethane	1650		100	31
124-48-1	Chlorodibromomethane	1970		100	10
108-88-3	Toluene	1940		100	9.5
120-82-1	1,2,4-Trichlorobenzene	2210		100	44
108-90-7	Chlorobenzene	1850		100	17
96-12-8	1,2-Dibromo-3-Chloropropane	2150		100	15
541-73-1	1,3-Dichlorobenzene	2030		100	23
1634-04-4	Methyl tert-butyl ether	2070		100	19
100-42-5	Styrene	1910		100	14
156-60-5	trans-1,2-Dichloroethene	2040		100	14
79-34-5	1,1,2,2-Tetrachloroethane	2070		100	8.6
75-00-3	Chloroethane	1830		100	45
75-35-4	1,1-Dichloroethene	2010		100	14
95-50-1	1,2-Dichlorobenzene	2040		100	16
79-01-6	Trichloroethene	2020		100	18
591-78-6	2-Hexanone	1830		1000	55
78-93-3	2-Butanone (MEK)	1950		1000	82
100-41-4	Ethylbenzene	1930		100	25
98-82-8	Isopropylbenzene	1940		100	21

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-87364/3
 Matrix: Solid Lab File ID: j03965.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 2.5 (mL) Date Analyzed: 09/26/2011 20:10
 Soil Aliquot Vol: 2.5 (mL) Dilution Factor: 50
 Soil Extract Vol.: 5 (mL) GC Column: DB-624 ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Medium
 Analysis Batch No.: 87364 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-87-2	Methylcyclohexane	2040		100	8.0
75-69-4	Trichlorofluoromethane	2100		100	16
1330-20-7	Xylenes, Total	5860		300	43
110-82-7	Cyclohexane	2170		100	12
10061-02-6	trans-1,3-Dichloropropene	1940		100	12
156-59-2	cis-1,2-Dichloroethene	2000		100	19
67-66-3	Chloroform	2050		100	16
75-01-4	Vinyl chloride	1890		100	12
106-93-4	Ethylene Dibromide	1930		100	9.1
56-23-5	Carbon tetrachloride	2020		100	18
106-46-7	1,4-Dichlorobenzene	2200		100	15
75-27-4	Dichlorobromomethane	1990		100	9.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		57-135
460-00-4	4-Bromofluorobenzene	103		50-124
2037-26-5	Toluene-d8 (Surr)	99		46-130

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03965.d
 Report Date: 26-Sep-2011 20:24

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03965.d
 Lab Smp Id: LCS
 Inj Date : 26-SEP-2011 20:10
 Operator : Inst ID: VOAMS8.i
 Smp Info : LCS
 Misc Info :
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/8260DE_09.m
 Meth Date : 26-Sep-2011 19:38 ken Quant Type: ISTD
 Cal Date : 26-SEP-2011 19:24 Cal File: j03964.d
 Als bottle: 4 QC Sample: BS
 Dil Factor: 50.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
	=====	==	=====	=====	=====		(ug/L)	(ug/Kg)
2 Dichlorodifluoromethane	85	2.571	2.582	(0.328)	242562	16.2285	1600	
3 Chloromethane	50	2.725	2.746	(0.347)	163689	17.3248	1700	
4 Vinyl Chloride	62	2.900	2.920	(0.370)	171972	18.9476	1900	
6 Bromomethane	94	3.282	3.305	(0.418)	136626	16.5482	1600	
5 Chloroethane	64	3.391	3.416	(0.432)	93422	18.3211	1800	
7 Trichlorofluoromethane	101	3.699	3.734	(0.472)	347790	21.0499	2100	
11 Ethyl Ether	59	4.009	4.016	(0.511)	119551	21.9427	2200	
13 Acrolein	56	4.174	4.199	(0.532)	39604	43.3201	4300	
15 1,1-Dichloroethene	96	4.293	4.327	(0.547)	135247	20.0597	2000	
14 Freon TF	101	4.302	4.327	(0.548)	270368	22.1037	2200	
16 Acetone	58	4.355	4.373	(0.555)	11617	27.4796	2700	
17 Iodomethane	142	4.501	4.528	(0.574)	360557	19.7566	2000	
18 Carbon Disulfide	76	4.584	4.611	(0.584)	406141	18.6391	1900	
27 Methyl Acetate	74	4.721	4.729	(0.602)	22818	14.8852	1500	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
22 Methylene Chloride	84	4.856	4.875	(0.619)	171603	20.4683	2000
24 TBA	59	4.938	4.957	(0.629)	252493	404.132	40000
25 trans-1,2-Dichloroethene	96	5.167	5.183	(0.659)	162863	20.4269	2000
26 Acrylonitrile	53	5.148	5.174	(0.656)	37368	22.5114	2200
28 MTBE	73	5.148	5.174	(0.656)	397830	20.6911	2100
29 Hexane	56	5.448	5.465	(0.695)	58903	23.6413	2400
30 1,1-Dichloroethane	63	5.667	5.684	(0.722)	346306	21.3113	2100
31 Vinyl Acetate	43	5.684	5.712	(0.725)	695922	27.8076	2800(R)
32 DIPE	45	5.684	5.712	(0.725)	765789	20.6212	2100
35 t-Butyl-ethyl-ether	59	6.124	6.148	(0.781)	585233	20.5761	2000
37 2,2-Dichloropropane	77	6.389	6.413	(0.814)	264588	21.3402	2100
36 cis-1,2-Dichloroethene	96	6.380	6.394	(0.813)	170912	19.9820	2000
38 2-Butanone	72	6.380	6.403	(0.813)	13152	19.5492	2000
39 Ethyl Acetate	70	6.426	6.422	(0.819)	31954	38.8498	3900
40 Bromochloromethane	128	6.689	6.705	(0.853)	106750	20.4716	2000
41 Tetrahydrofuran	42	6.735	6.750	(0.859)	36637	16.8677	1700
42 Chloroform	83	6.763	6.778	(0.862)	353785	20.5207	2000
43 1,1,1-Trichloroethane	97	7.010	7.048	(0.894)	253190	19.8145	2000
44 Cyclohexane	56	7.092	7.112	(0.904)	165710	21.7498	2200
45 Carbon Tetrachloride	117	7.239	7.264	(0.923)	231429	20.2192	2000
46 1,1-Dichloropropene	75	7.221	7.246	(0.920)	227906	19.8732	2000
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.432	7.457	(0.947)	395189	51.9135	5200
48 Benzene	78	7.505	7.529	(0.664)	430201	20.1303	2000
49 1,2-Dichloroethane	62	7.533	7.548	(0.960)	203952	21.1284	2100
50 t-Amyl-methyl-ether	73	7.597	7.612	(0.968)	434378	20.5365	2000
61 Isopropyl Acetate	43	7.514	7.529	(0.958)	887759	40.5409	4000
* 52 Fluorobenzene	96	7.844	7.866	(1.000)	1009585	50.0000	
54 Trichloroethene	95	8.291	8.309	(1.057)	179022	20.1758	2000
56 Methyl cyclohexane	83	8.528	8.547	(1.087)	106638	20.4381	2000
55 Ethyl Acrylate	55	8.373	8.382	(1.067)	197887	19.8853	2000
57 1,2-Dichloropropane	63	8.583	8.601	(1.094)	186307	19.5338	2000
58 Dibromomethane	93	8.730	8.748	(1.113)	163783	19.8735	2000
59 Methyl Methacrylate	100	8.665	8.675	(1.105)	37208	19.6285	2000
68 Bromodichloromethane	83	8.892	8.904	(1.134)	325645	19.9180	2000
62 2-Chloroethyl Vinyl Ether	63	9.211	9.221	(1.174)	90603	17.2044	1700
63 Epichlorohydrin	57	9.312	9.322	(0.824)	260862	357.125	36000
67 cis-1,3-Dichloropropene	75	9.394	9.414	(0.831)	265011	19.7976	2000
70 4-Methyl-2-Pentanone	43	9.559	9.568	(0.846)	152808	19.4911	1900
\$ 65 Toluene-d8 (SUR)	98	9.710	9.723	(0.859)	771172	49.6127	5000
66 Toluene	91	9.792	9.806	(0.866)	385629	19.3803	1900
64 trans-1,3-Dichloropropene	75	10.021	10.040	(0.886)	214872	19.3789	1900
69 1,1,2-Trichloroethane	83	10.242	10.250	(0.906)	128072	19.0867	1900
71 Tetrachloroethene	166	10.401	10.422	(0.920)	131954	18.7996	1900
72 1,3-Dichloropropane	76	10.438	10.441	(0.923)	230945	18.8472	1900
73 2-Hexanone	43	10.484	10.496	(0.927)	80146	18.2719	1800
74 Dibromochloromethane	129	10.692	10.707	(0.946)	228163	19.6536	2000
76 Butyl Acetate	73	10.591	10.606	(0.937)	87683	39.8933	4000

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03965.d
 Report Date: 26-Sep-2011 20:24

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====
77 1,2-Dibromoethane	107	10.829	10.844	(0.958)	198186	19.3069	1900
* 78 Chlorobenzene-d5	117	11.306	11.317	(1.000)	694534	50.0000	
79 Chlorobenzene	112	11.334	11.354	(1.002)	267326	18.4774	1800
80 1,1,1,2-Tetrachloroethane	131	11.417	11.432	(1.010)	147058	18.3029	1800
81 Ethylbenzene	106	11.426	11.441	(1.011)	102201	19.2557	1900
82 m+p-Xylene	106	11.545	11.551	(1.021)	286103	38.9112	3900
84 o-Xylene	106	11.960	11.973	(1.058)	137553	19.6403	2000
85 Styrene	104	11.978	11.982	(1.059)	248059	19.0795	1900
83 Butyl Acrylate	73	11.861	11.863	(1.049)	122602	19.8053	2000
86 Bromoform	173	12.208	12.218	(1.080)	140957	19.6188	2000
88 Isopropylbenzene	105	12.318	12.328	(1.089)	320668	19.3823	1900
\$ 89 Bromofluorobenzene (SUR)	174	12.502	12.511	(0.910)	282267	51.5421	5200
90 Camphene (total)	93	12.612	12.622	(1.115)	119073	26.4776	2600
91 Bromobenzene	156	12.685	12.695	(0.923)	126102	20.6725	2100
92 1,1,2,2-Tetrachloroethane	83	12.630	12.640	(0.919)	205658	20.6970	2100
93 1,2,3-Trichloropropane	110	12.695	12.705	(0.924)	49180	20.4039	2000
94 trans-1,4-Dichloro-2-butene	53	12.676	12.686	(0.923)	47085	26.4599	2600(R)
95 n-Propylbenzene	91	12.731	12.741	(0.927)	352218	20.5770	2000
96 2-Chlorotoluene	91	12.860	12.868	(0.936)	290407	29.4874	2900(R)
97 1,3,5-Trimethylbenzene	105	12.897	12.905	(0.939)	241786	20.3290	2000
98 4-Chlorotoluene	91	12.970	12.978	(0.944)	330232	22.2179	2200
99 Butyl Methacrylate	87	12.943	12.951	(0.942)	198224	20.5334	2000
100 tert-Butylbenzene	119	13.266	13.271	(0.966)	225208	20.7539	2100
101 1,2,4-Trimethylbenzene	105	13.312	13.317	(0.969)	247970	20.5219	2000
103 sec-Butylbenzene	105	13.495	13.508	(0.982)	307532	20.8538	2100
105 1,3-Dichlorobenzene	146	13.668	13.682	(0.995)	157573	20.2511	2000
107 p-Isopropyltoluene	119	13.632	13.646	(0.992)	236609	21.1709	2100
* 108 1,4-Dichlorobenzene-d4	152	13.739	13.745	(1.000)	271766	50.0000	
109 1,4-Dichlorobenzene	146	13.767	13.773	(1.002)	200286	22.0090	2200
110 Benzyl Chloride	91	13.905	13.918	(1.012)	196919	19.1841	1900
106 n-Butylbenzene	91	14.097	14.102	(1.026)	226492	20.7892	2100
111 1,2-Dichlorobenzene	146	14.213	14.212	(1.034)	172176	20.3779	2000
112 1,2-Dibromo-3-chloropropane	75	15.180	15.186	(1.105)	36750	21.4534	2100
114 1,2,4-Trichlorobenzene	180	16.359	16.366	(1.191)	85410	22.0607	2200
115 Hexachlorobutadiene	225	16.567	16.587	(1.206)	73454	21.1271	2100
116 Naphthalene	128	16.812	16.815	(1.224)	133228	20.9946	2100
117 1,2,3-Trichlorobenzene	180	17.236	17.226	(1.254)	69127	21.2365	2100
M 120 1,2-Dichloroethene (Total)	100				333775	40.3933	4000
M 121 Xylene (Total)	100				423656	58.5515	5800

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: j03965.d

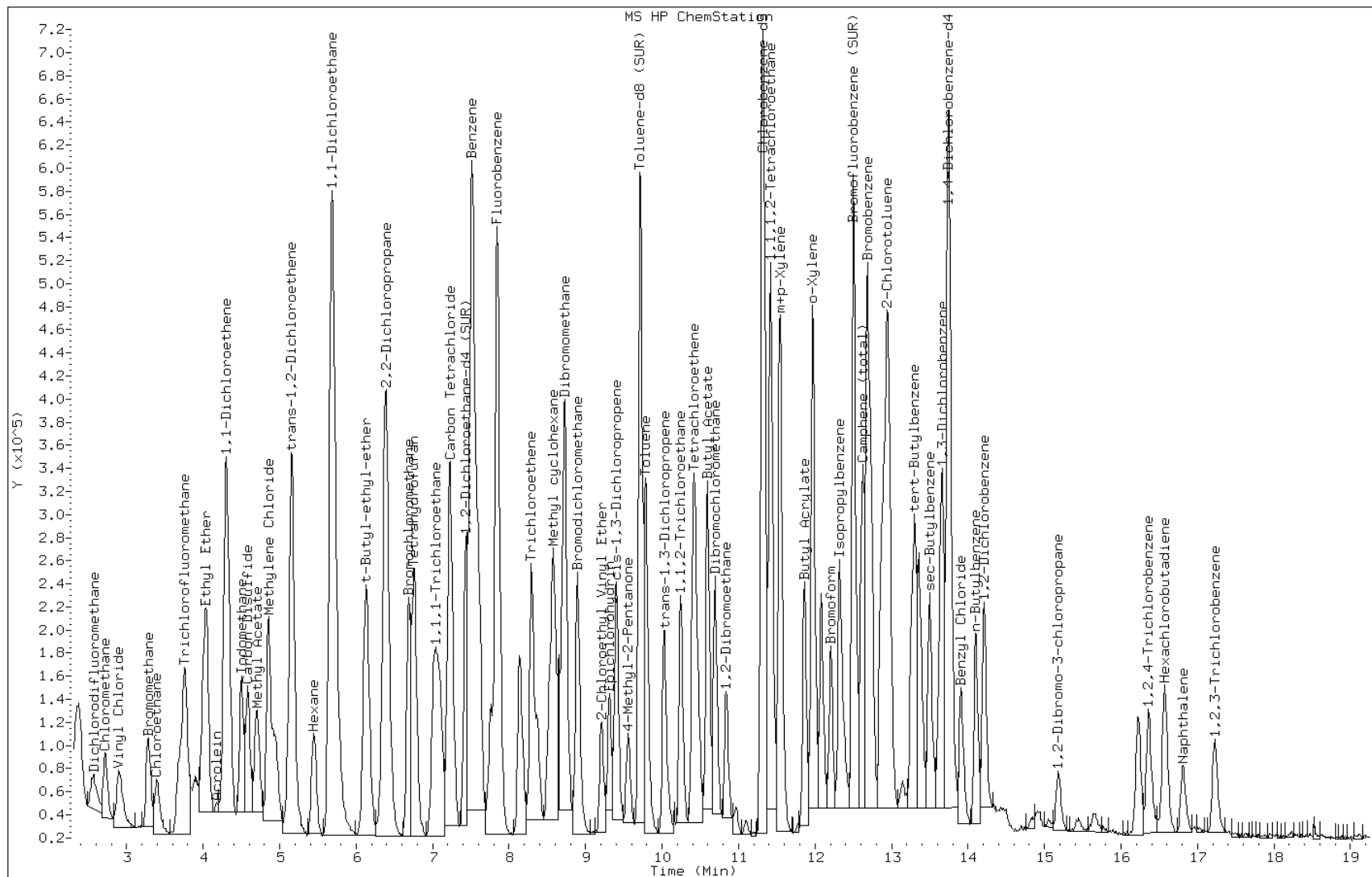
Date: 26-SEP-2011 20:10

Client ID:

Instrument: VOAMS8.i

Sample Info: LCS

Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Client Sample ID: SO-17338-091511-MM-017 MS Lab Sample ID: 460-31328-7 MS

Matrix: Solid Lab File ID: j03979.d

Analysis Method: 8260B Date Collected: 09/15/2011 13:15

Sample wt/vol: 15.05(g) Date Analyzed: 09/27/2011 02:22

Soil Aliquot Vol: 5 (mL) Dilution Factor: 50

Soil Extract Vol.: 25(mL) GC Column: DB-624 ID: 0.53(mm)

% Moisture: 13.3 Level: (low/med) Medium

Analysis Batch No.: 87364 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1800		96	24
71-43-2	Benzene	1740		96	11
10061-01-5	cis-1,3-Dichloropropene	1770		96	9.8
75-15-0	Carbon disulfide	1450		96	14
75-25-2	Bromoform	1840		96	9.5
127-18-4	Tetrachloroethene	1810		96	19
75-34-3	1,1-Dichloroethane	1720		96	9.6
107-06-2	1,2-Dichloroethane	2020		96	24
78-87-5	1,2-Dichloropropane	1910		96	8.4
79-00-5	1,1,2-Trichloroethane	1710		96	9.3
67-64-1	Acetone	1900		960	240
79-20-9	Methyl acetate	1400		190	31
75-71-8	Dichlorodifluoromethane	1500		96	27
108-10-1	4-Methyl-2-pentanone (MIBK)	1620		960	65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1790		96	28
75-09-2	Methylene Chloride	1760		96	18
74-87-3	Chloromethane	1710		96	20
74-83-9	Bromomethane	1170		96	30
124-48-1	Chlorodibromomethane	1800		96	9.6
108-88-3	Toluene	1820		96	9.1
120-82-1	1,2,4-Trichlorobenzene	2060		96	42
108-90-7	Chlorobenzene	1780		96	16
96-12-8	1,2-Dibromo-3-Chloropropane	1840		96	15
541-73-1	1,3-Dichlorobenzene	1810		96	22
1634-04-4	Methyl tert-butyl ether	1710		96	18
100-42-5	Styrene	1870		96	13
156-60-5	trans-1,2-Dichloroethene	1710		96	13
79-34-5	1,1,2,2-Tetrachloroethane	1720		96	8.3
75-00-3	Chloroethane	907		96	43
75-35-4	1,1-Dichloroethene	1710		96	13
95-50-1	1,2-Dichlorobenzene	1840		96	16
79-01-6	Trichloroethene	1870		96	17
591-78-6	2-Hexanone	1730		960	52
78-93-3	2-Butanone (MEK)	1640		960	79
100-41-4	Ethylbenzene	1860		96	24
98-82-8	Isopropylbenzene	1920		96	20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: SO-17338-091511-MM-017 MS Lab Sample ID: 460-31328-7 MS
 Matrix: Solid Lab File ID: j03979.d
 Analysis Method: 8260B Date Collected: 09/15/2011 13:15
 Sample wt/vol: 15.05(g) Date Analyzed: 09/27/2011 02:22
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50
 Soil Extract Vol.: 25(mL) GC Column: DB-624 ID: 0.53(mm)
 % Moisture: 13.3 Level: (low/med) Medium
 Analysis Batch No.: 87364 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-87-2	Methylcyclohexane	1890		96	7.7
75-69-4	Trichlorofluoromethane	1560		96	15
1330-20-7	Xylenes, Total	5470		290	42
110-82-7	Cyclohexane	1800		96	12
10061-02-6	trans-1,3-Dichloropropene	1770		96	12
156-59-2	cis-1,2-Dichloroethene	1800		96	19
67-66-3	Chloroform	1810		96	15
75-01-4	Vinyl chloride	1920		96	11
106-93-4	Ethylene Dibromide	1830		96	8.7
56-23-5	Carbon tetrachloride	1920		96	17
106-46-7	1,4-Dichlorobenzene	2070		96	14
75-27-4	Dichlorobromomethane	1920		96	8.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		57-135
460-00-4	4-Bromofluorobenzene	104		50-124
2037-26-5	Toluene-d8 (Surr)	98		46-130

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03979.d
 Report Date: 27-Sep-2011 10:42

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03979.d
 Lab Smp Id: 460-31328-C-7-AMS Client Smp ID: S0-17338-091511-MM-
 Inj Date : 27-SEP-2011 02:22
 Operator : Inst ID: VOAMS8.i
 Smp Info : 460-31328-C-7-AMS;50;;15.05;25
 Misc Info : 460-31328-C-7-AMS
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/8260DE_09.m
 Meth Date : 26-Sep-2011 19:38 ken Quant Type: ISTD
 Cal Date : 26-SEP-2011 19:24 Cal File: j03964.d
 Als bottle: 12 QC Sample: MS
 Dil Factor: 50.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	25.00000	Volume of final extract (mL)
Ws	15.05000	Weight of sample extracted (g)
M	13.28125	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/L)	(ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====	
2 Dichlorodifluoromethane	85	2.572	2.582	(0.327)	174150	15.6421	1500	
3 Chloromethane	50	2.727	2.746	(0.347)	125726	17.8645	1700	
4 Vinyl Chloride	62	2.910	2.920	(0.370)	135516	20.0449	1900	
6 Bromomethane	94	3.261	3.305	(0.415)	74967	12.1901	1200	
5 Chloroethane	64	3.376	3.416	(0.430)	35961	9.46795	910(R)	
7 Trichlorofluoromethane	101	3.674	3.734	(0.468)	200488	16.2906	1600	
11 Ethyl Ether	59	4.020	4.016	(0.512)	73120	18.0175	1700	
13 Acrolein	56	4.193	4.199	(0.534)	23671	34.7607	3300	
15 1,1-Dichloroethene	96	4.303	4.327	(0.548)	89770	17.8751	1700	
14 Freon TF	101	4.303	4.327	(0.548)	170629	18.7275	1800	
16 Acetone	58	4.367	4.373	(0.556)	6247	19.8400	1900	
17 Iodomethane	142	4.505	4.528	(0.573)	254018	18.6861	1800	
18 Carbon Disulfide	76	4.586	4.611	(0.584)	246439	15.1836	1400	
27 Methyl Acetate	74	4.732	4.729	(0.602)	16705	14.6301	1400	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
22 Methylene Chloride	84	4.868	4.875	(0.620)	114588	18.3490	1800
24 TBA	59	5.005	4.957	(0.637)	166423	357.603	34000
25 trans-1,2-Dichloroethene	96	5.169	5.183	(0.658)	105805	17.8158	1700
26 Acrylonitrile	53	5.169	5.174	(0.658)	21357	17.2727	1600
28 MTBE	73	5.169	5.174	(0.658)	256212	17.8896	1700
29 Hexane	56	5.451	5.465	(0.694)	33958	18.2978	1800
30 1,1-Dichloroethane	63	5.669	5.684	(0.722)	217735	17.9885	1700
31 Vinyl Acetate	43	5.706	5.712	(0.726)	442963	23.7622	2300
32 DIPE	45	5.715	5.712	(0.727)	482839	17.4552	1700
35 t-Butyl-ethyl-ether	59	6.145	6.148	(0.782)	383111	18.0831	1700
37 2,2-Dichloropropane	77	6.401	6.413	(0.815)	169808	18.3867	1800
36 cis-1,2-Dichloroethene	96	6.392	6.394	(0.814)	119974	18.8308	1800
38 2-Butanone	72	6.410	6.403	(0.816)	8569	17.0995	1600
39 Ethyl Acetate	70	6.437	6.422	(0.819)	23753	38.7713	3700
40 Bromochloromethane	128	6.701	6.705	(0.853)	77862	20.0458	1900
41 Tetrahydrofuran	42	6.765	6.750	(0.861)	27443	16.9622	1600
42 Chloroform	83	6.774	6.778	(0.862)	242309	18.8686	1800
43 1,1,1-Trichloroethane	97	7.038	7.048	(0.896)	179220	18.8295	1800
44 Cyclohexane	56	7.102	7.112	(0.904)	106909	18.8381	1800
45 Carbon Tetrachloride	117	7.243	7.264	(0.922)	170791	20.0321	1900
46 1,1-Dichloropropene	75	7.243	7.246	(0.922)	165285	19.3491	1800
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.447	7.457	(0.948)	294119	51.8697	5000
48 Benzene	78	7.519	7.529	(0.665)	318078	18.1337	1700
49 1,2-Dichloroethane	62	7.545	7.548	(0.960)	151473	21.0664	2000
50 t-Amyl-methyl-ether	73	7.609	7.612	(0.969)	316783	20.1065	1900
61 Isopropyl Acetate	43	7.529	7.529	(0.958)	621562	38.1065	3600
* 52 Fluorobenzene	96	7.856	7.866	(1.000)	752016	50.0000	
54 Trichloroethene	95	8.300	8.309	(1.056)	128769	19.4827	1900
56 Methyl cyclohexane	83	8.534	8.547	(1.086)	76696	19.7342	1900
55 Ethyl Acrylate	55	8.383	8.382	(1.067)	142785	19.2625	1800
57 1,2-Dichloropropane	63	8.589	8.601	(1.093)	141855	19.9672	1900
58 Dibromomethane	93	8.742	8.748	(1.113)	122466	19.9498	1900
59 Methyl Methacrylate	100	8.677	8.675	(1.104)	29641	20.9922	2000
68 Bromodichloromethane	83	8.897	8.904	(1.132)	243805	20.0198	1900
62 2-Chloroethyl Vinyl Ether	63	9.208	9.221	(1.172)	73302	18.6864	1800
63 Epichlorohydrin	57	9.318	9.322	(0.824)	194628	324.631	31000
67 cis-1,3-Dichloropropene	75	9.409	9.414	(0.832)	203365	18.5096	1800
70 4-Methyl-2-Pentanone	43	9.574	9.568	(0.846)	108783	16.9054	1600
\$ 65 Toluene-d8 (SUR)	98	9.721	9.723	(0.859)	624569	48.9550	4700
66 Toluene	91	9.798	9.806	(0.866)	309670	18.9611	1800
64 trans-1,3-Dichloropropene	75	10.027	10.040	(0.886)	167712	18.4284	1800
69 1,1,2-Trichloroethane	83	10.244	10.250	(0.906)	98586	17.9006	1700
71 Tetrachloroethene	166	10.400	10.422	(0.919)	108852	18.8947	1800
72 1,3-Dichloropropane	76	10.437	10.441	(0.923)	178656	17.7635	1700
73 2-Hexanone	43	10.483	10.496	(0.927)	65027	18.0623	1700
74 Dibromochloromethane	129	10.690	10.707	(0.945)	179127	18.7990	1800
76 Butyl Acetate	73	10.600	10.606	(0.937)	68321	37.8714	3600

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03979.d
 Report Date: 27-Sep-2011 10:42

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====
77 1,2-Dibromoethane	107	10.846	10.844	(0.959)	161142	19.1259	1800
* 78 Chlorobenzene-d5	117	11.311	11.317	(1.000)	570058	50.0000	
79 Chlorobenzene	112	11.338	11.354	(1.002)	220373	18.5581	1800
80 1,1,1,2-Tetrachloroethane	131	11.421	11.432	(1.010)	123922	18.7912	1800
81 Ethylbenzene	106	11.430	11.441	(1.011)	84808	19.4677	1900
82 m+p-Xylene	106	11.536	11.551	(1.020)	227804	37.7475	3600
84 o-Xylene	106	11.958	11.973	(1.057)	111298	19.3616	1800
85 Styrene	104	11.967	11.982	(1.058)	208354	19.5249	1900
83 Butyl Acrylate	73	11.857	11.863	(1.048)	103111	20.2937	1900
86 Bromoform	173	12.203	12.218	(1.079)	113259	19.2058	1800
88 Isopropylbenzene	105	12.322	12.328	(1.089)	272590	20.0739	1900
\$ 89 Bromofluorobenzene (SUR)	174	12.506	12.511	(0.911)	267623	51.9372	5000
90 Camphene (total)	93	12.614	12.622	(1.115)	97382	26.3826	2500
91 Bromobenzene	156	12.679	12.695	(0.923)	108592	18.9201	1800
92 1,1,2,2-Tetrachloroethane	83	12.633	12.640	(0.920)	168339	18.0052	1700
93 1,2,3-Trichloropropane	110	12.697	12.705	(0.924)	39555	17.4412	1700
94 trans-1,4-Dichloro-2-butene	53	12.679	12.686	(0.923)	42773	25.5464	2400
95 n-Propylbenzene	91	12.734	12.741	(0.927)	285725	17.7408	1700
96 2-Chlorotoluene	91	12.859	12.868	(0.936)	185674	20.0371	1900
97 1,3,5-Trimethylbenzene	105	12.905	12.905	(0.940)	206314	18.4361	1800
98 4-Chlorotoluene	91	12.970	12.978	(0.944)	271739	19.4307	1900
99 Butyl Methacrylate	87	12.942	12.951	(0.942)	163019	17.9472	1700
100 tert-Butylbenzene	119	13.262	13.271	(0.966)	195213	19.1196	1800
101 1,2,4-Trimethylbenzene	105	13.308	13.317	(0.969)	213126	18.7460	1800
103 sec-Butylbenzene	105	13.492	13.508	(0.982)	256291	18.4707	1800
105 1,3-Dichlorobenzene	146	13.670	13.682	(0.995)	138641	18.9371	1800
107 p-Isopropyltoluene	119	13.633	13.646	(0.993)	201455	19.1575	1800
* 108 1,4-Dichlorobenzene-d4	152	13.735	13.745	(1.000)	255706	50.0000	
109 1,4-Dichlorobenzene	146	13.761	13.773	(1.002)	185160	21.6247	2100
110 Benzyl Chloride	91	13.909	13.918	(1.013)	170208	17.6233	1700
106 n-Butylbenzene	91	14.090	14.102	(1.026)	188407	18.3795	1800
111 1,2-Dichlorobenzene	146	14.210	14.212	(1.035)	152718	19.2101	1800
112 1,2-Dibromo-3-chloropropane	75	15.169	15.186	(1.104)	30931	19.1906	1800
114 1,2,4-Trichlorobenzene	180	16.363	16.366	(1.191)	78476	21.5429	2100
115 Hexachlorobutadiene	225	16.570	16.587	(1.206)	59379	18.1515	1700
116 Naphthalene	128	16.808	16.815	(1.224)	124270	20.8128	2000
117 1,2,3-Trichlorobenzene	180	17.231	17.226	(1.255)	64453	21.0442	2000
M 120 1,2-Dichloroethene (Total)	100				225779	36.6823	3500
M 121 Xylene (Total)	100				339102	57.1090	5500

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

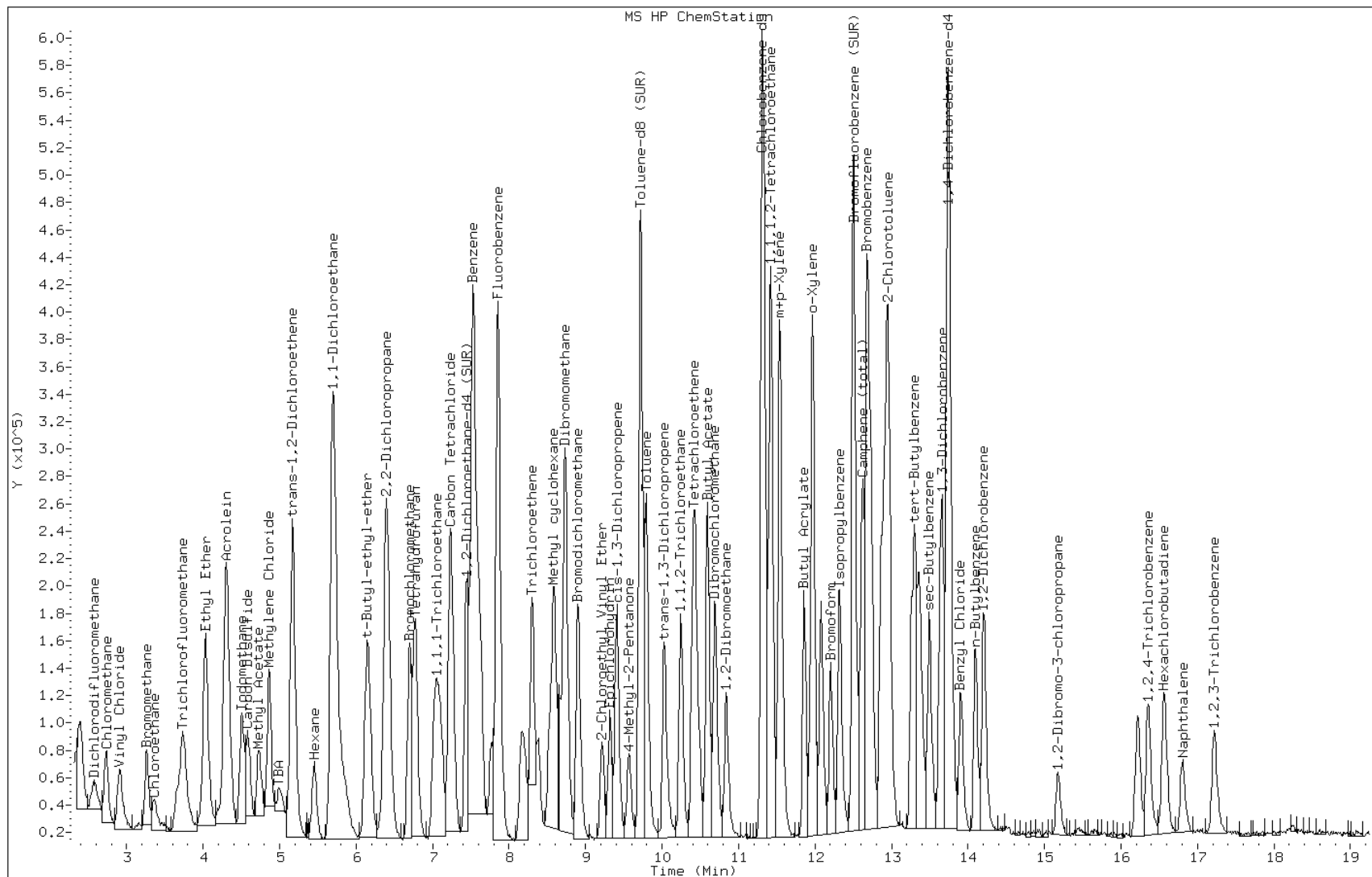
Data File: j03979.d

Date: 27-SEP-2011 02:22

Client ID: S0-17338-091511-MM-

Instrument: VOAMS8.i

Sample Info: 460-31328-C-7-AMS;50;;15.05;25 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Client Sample ID: SO-17338-091511-MM-017 Lab Sample ID: 460-31328-7 MSD

Matrix: Solid Lab File ID: j03980.d

Analysis Method: 8260B Date Collected: 09/15/2011 13:15

Sample wt/vol: 15.05(g) Date Analyzed: 09/27/2011 02:48

Soil Aliquot Vol: 5 (mL) Dilution Factor: 50

Soil Extract Vol.: 25(mL) GC Column: DB-624 ID: 0.53 (mm)

% Moisture: 13.3 Level: (low/med) Medium

Analysis Batch No.: 87364 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1840		96	24
71-43-2	Benzene	1700		96	11
10061-01-5	cis-1,3-Dichloropropene	1760		96	9.8
75-15-0	Carbon disulfide	1520		96	14
75-25-2	Bromoform	1760		96	9.5
127-18-4	Tetrachloroethene	1860		96	19
75-34-3	1,1-Dichloroethane	1780		96	9.6
107-06-2	1,2-Dichloroethane	1970		96	24
78-87-5	1,2-Dichloropropane	1880		96	8.4
79-00-5	1,1,2-Trichloroethane	1650		96	9.3
67-64-1	Acetone	1580		960	240
79-20-9	Methyl acetate	1430		190	31
75-71-8	Dichlorodifluoromethane	1560		96	27
108-10-1	4-Methyl-2-pentanone (MIBK)	1600		960	65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1730		96	28
75-09-2	Methylene Chloride	1700		96	18
74-87-3	Chloromethane	1780		96	20
74-83-9	Bromomethane	1180		96	30
124-48-1	Chlorodibromomethane	1820		96	9.6
108-88-3	Toluene	1820		96	9.1
120-82-1	1,2,4-Trichlorobenzene	2130		96	42
108-90-7	Chlorobenzene	1800		96	16
96-12-8	1,2-Dibromo-3-Chloropropane	1780		96	15
541-73-1	1,3-Dichlorobenzene	1830		96	22
1634-04-4	Methyl tert-butyl ether	1720		96	18
100-42-5	Styrene	1860		96	13
156-60-5	trans-1,2-Dichloroethene	1790		96	13
79-34-5	1,1,2,2-Tetrachloroethane	1700		96	8.3
75-00-3	Chloroethane	934		96	43
75-35-4	1,1-Dichloroethene	1740		96	13
95-50-1	1,2-Dichlorobenzene	1930		96	16
79-01-6	Trichloroethene	1880		96	17
591-78-6	2-Hexanone	1540		960	52
78-93-3	2-Butanone (MEK)	1600		960	79
100-41-4	Ethylbenzene	1850		96	24
98-82-8	Isopropylbenzene	1910		96	20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: SO-17338-091511-MM-017 Lab Sample ID: 460-31328-7 MSD
 Matrix: Solid Lab File ID: j03980.d
 Analysis Method: 8260B Date Collected: 09/15/2011 13:15
 Sample wt/vol: 15.05(g) Date Analyzed: 09/27/2011 02:48
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50
 Soil Extract Vol.: 25(mL) GC Column: DB-624 ID: 0.53(mm)
 % Moisture: 13.3 Level: (low/med) Medium
 Analysis Batch No.: 87364 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-87-2	Methylcyclohexane	1790		96	7.7
75-69-4	Trichlorofluoromethane	1520		96	15
1330-20-7	Xylenes, Total	5600		290	42
110-82-7	Cyclohexane	1870		96	12
10061-02-6	trans-1,3-Dichloropropene	1780		96	12
156-59-2	cis-1,2-Dichloroethene	1810		96	19
67-66-3	Chloroform	1780		96	15
75-01-4	Vinyl chloride	2050		96	11
106-93-4	Ethylene Dibromide	1770		96	8.7
56-23-5	Carbon tetrachloride	1870		96	17
106-46-7	1,4-Dichlorobenzene	2040		96	14
75-27-4	Dichlorobromomethane	1960		96	8.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		57-135
460-00-4	4-Bromofluorobenzene	108		50-124
2037-26-5	Toluene-d8 (Surr)	97		46-130

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03980.d
 Report Date: 29-Sep-2011 17:09

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03980.d
 Lab Smp Id: 460-31328-C-7-AMSD Client Smp ID: S0-17338-091511-MM-
 Inj Date : 27-SEP-2011 02:48
 Operator : Inst ID: VOAMS8.i
 Smp Info : 460-31328-C-7-AMSD;50;;15.05;25
 Misc Info : 460-31328-C-7-AMSD
 Comment :
 Method : /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/8260DE_09.m
 Meth Date : 26-Sep-2011 19:38 ken Quant Type: ISTD
 Cal Date : 26-SEP-2011 19:24 Cal File: j03964.d
 Als bottle: 13 QC Sample: MSD
 Dil Factor: 50.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	25.00000	Volume of final extract (mL)
Ws	15.05000	Weight of sample extracted (g)
M	13.28125	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN FINAL (ug/L) (ug/Kg)
=====	=====	=====	==	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	2.565	2.582	(0.327)	189708	16.3349	1600
3 Chloromethane	50	2.739	2.746	(0.349)	136590	18.6056	1800
4 Vinyl Chloride	62	2.908	2.920	(0.370)	150837	21.3884	2000
6 Bromomethane	94	3.253	3.305	(0.414)	79308	12.3626	1200(H)
5 Chloroethane	64	3.362	3.416	(0.428)	38656	9.75643	930(R)
7 Trichlorofluoromethane	101	3.681	3.734	(0.469)	204339	15.9169	1500
11 Ethyl Ether	59	4.013	4.016	(0.511)	76483	18.0667	1700
13 Acrolein	56	4.195	4.199	(0.534)	25760	36.2629	3500
15 1,1-Dichloroethene	96	4.296	4.327	(0.547)	95177	18.1679	1700
14 Freon TF	101	4.305	4.327	(0.548)	171455	18.0400	1700
16 Acetone	58	4.387	4.373	(0.559)	5436	16.5478	1600
17 Iodomethane	142	4.497	4.528	(0.573)	267176	18.8414	1800
18 Carbon Disulfide	76	4.580	4.611	(0.583)	268452	15.8559	1500
27 Methyl Acetate	74	4.735	4.729	(0.603)	17788	14.9338	1400

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
22 Methylene Chloride	84	4.854	4.875	(0.618)	115583	17.7430	1700
24 TBA	59	5.016	4.957	(0.639)	168873	347.864	33000
25 trans-1,2-Dichloroethene	96	5.171	5.183	(0.658)	115617	18.6629	1800
26 Acrylonitrile	53	5.180	5.174	(0.660)	26210	20.3211	1900
28 MTBE	73	5.171	5.174	(0.658)	267601	17.9122	1700
29 Hexane	56	5.435	5.465	(0.692)	35961	18.5754	1800
30 1,1-Dichloroethane	63	5.679	5.684	(0.723)	234507	18.5730	1800
31 Vinyl Acetate	43	5.697	5.712	(0.725)	466455	23.9877	2300
32 DIPE	45	5.705	5.712	(0.726)	518122	17.9562	1700
35 t-Butyl-ethyl-ether	59	6.137	6.148	(0.782)	402296	18.2035	1700
37 2,2-Dichloropropane	77	6.392	6.413	(0.814)	174090	18.0708	1700
36 cis-1,2-Dichloroethene	96	6.383	6.394	(0.813)	125447	18.8757	1800
38 2-Butanone	72	6.402	6.403	(0.815)	8713	16.6676	1600
39 Ethyl Acetate	70	6.429	6.422	(0.819)	23470	36.7239	3500
40 Bromochloromethane	128	6.694	6.705	(0.852)	80039	19.7542	1900
41 Tetrahydrofuran	42	6.768	6.750	(0.862)	24646	14.6035	1400
42 Chloroform	83	6.768	6.778	(0.862)	249330	18.6125	1800
43 1,1,1-Trichloroethane	97	7.023	7.048	(0.894)	190415	19.1785	1800
44 Cyclohexane	56	7.095	7.112	(0.904)	115380	19.4901	1900
45 Carbon Tetrachloride	117	7.241	7.264	(0.922)	173499	19.5083	1900
46 1,1-Dichloropropene	75	7.223	7.246	(0.920)	167288	18.7738	1800
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	7.434	7.457	(0.947)	304463	51.4737	4900
48 Benzene	78	7.516	7.529	(0.665)	326224	17.7454	1700
49 1,2-Dichloroethane	62	7.544	7.548	(0.961)	154088	20.5439	2000
50 t-Amyl-methyl-ether	73	7.615	7.612	(0.970)	333766	20.3084	1900
61 Isopropyl Acetate	43	7.525	7.529	(0.958)	625888	36.7850	3500
* 52 Fluorobenzene	96	7.853	7.866	(1.000)	784453	50.0000	
54 Trichloroethene	95	8.299	8.309	(1.057)	135206	19.6107	1900
56 Methyl cyclohexane	83	8.524	8.547	(1.085)	75691	18.6702	1800
55 Ethyl Acrylate	55	8.382	8.382	(1.067)	146343	18.9262	1800
57 1,2-Dichloropropane	63	8.588	8.601	(1.094)	145324	19.6096	1900
58 Dibromomethane	93	8.734	8.748	(1.112)	123688	19.3156	1800
59 Methyl Methacrylate	100	8.661	8.675	(1.103)	30393	20.6345	2000
68 Bromodichloromethane	83	8.899	8.904	(1.133)	260125	20.4767	2000
62 2-Chloroethyl Vinyl Ether	63	9.216	9.221	(1.174)	75831	18.5317	1800
63 Epichlorohydrin	57	9.326	9.322	(0.825)	202240	321.860	31000
67 cis-1,3-Dichloropropene	75	9.409	9.414	(0.832)	211235	18.3444	1800
70 4-Methyl-2-Pentanone	43	9.573	9.568	(0.847)	112943	16.7471	1600
\$ 65 Toluene-d8 (SUR)	98	9.710	9.723	(0.859)	645877	48.3039	4600
66 Toluene	91	9.793	9.806	(0.866)	325006	18.9877	1800
64 trans-1,3-Dichloropropene	75	10.019	10.040	(0.886)	177620	18.6222	1800
69 1,1,2-Trichloroethane	83	10.240	10.250	(0.906)	99161	17.1793	1600
71 Tetrachloroethene	166	10.403	10.422	(0.920)	117078	19.3907	1800
72 1,3-Dichloropropane	76	10.429	10.441	(0.923)	195117	18.5107	1800
73 2-Hexanone	43	10.483	10.496	(0.927)	60803	16.1146	1500
74 Dibromochloromethane	129	10.694	10.707	(0.946)	189391	18.9648	1800
76 Butyl Acetate	73	10.593	10.606	(0.937)	67004	35.4383	3400

Data File: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b/j03980.d
Report Date: 29-Sep-2011 17:09

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====
77 1,2-Dibromoethane	107	10.838	10.844	(0.959)	163217	18.4839	1800
* 78 Chlorobenzene-d5	117	11.305	11.317	(1.000)	597452	50.0000	
79 Chlorobenzene	112	11.332	11.354	(1.002)	233532	18.7645	1800
80 1,1,1,2-Tetrachloroethane	131	11.415	11.432	(1.010)	128723	18.6241	1800
81 Ethylbenzene	106	11.424	11.441	(1.011)	88019	19.2783	1800
82 m+p-Xylene	106	11.543	11.551	(1.021)	245339	38.7891	3700
84 o-Xylene	106	11.964	11.973	(1.058)	118436	19.6586	1900
85 Styrene	104	11.973	11.982	(1.059)	217573	19.4539	1900
83 Butyl Acrylate	73	11.854	11.863	(1.049)	109218	20.5100	2000
86 Bromoform	173	12.208	12.218	(1.080)	113347	18.3394	1800
88 Isopropylbenzene	105	12.318	12.328	(1.090)	284257	19.9733	1900
\$ 89 Bromofluorobenzene (SUR)	174	12.498	12.511	(0.910)	286271	53.9389	5200
90 Camphene (total)	93	12.608	12.622	(1.115)	98960	25.5809	2400
91 Bromobenzene	156	12.682	12.695	(0.923)	111459	18.8543	1800
92 1,1,2,2-Tetrachloroethane	83	12.627	12.640	(0.919)	171207	17.7789	1700
93 1,2,3-Trichloropropane	110	12.691	12.705	(0.924)	41867	17.9232	1700
94 trans-1,4-Dichloro-2-butene	53	12.682	12.686	(0.923)	42032	24.3728	2300
95 n-Propylbenzene	91	12.736	12.741	(0.927)	297718	17.9473	1700
96 2-Chlorotoluene	91	12.864	12.868	(0.937)	268101	28.0899	2700(R)
97 1,3,5-Trimethylbenzene	105	12.901	12.905	(0.939)	211845	18.3792	1800
98 4-Chlorotoluene	91	12.975	12.978	(0.945)	277008	19.2309	1800
99 Butyl Methacrylate	87	12.938	12.951	(0.942)	173727	18.5693	1800
100 tert-Butylbenzene	119	13.262	13.271	(0.966)	206762	19.6612	1900
101 1,2,4-Trimethylbenzene	105	13.317	13.317	(0.970)	225619	19.2672	1800
103 sec-Butylbenzene	105	13.489	13.508	(0.982)	274445	19.2032	1800
105 1,3-Dichlorobenzene	146	13.680	13.682	(0.996)	143716	19.0588	1800
107 p-Isopropyltoluene	119	13.634	13.646	(0.993)	207039	19.1154	1800
* 108 1,4-Dichlorobenzene-d4	152	13.735	13.745	(1.000)	263373	50.0000	
109 1,4-Dichlorobenzene	146	13.762	13.773	(1.002)	187399	21.2491	2000
110 Benzyl Chloride	91	13.909	13.918	(1.013)	172284	17.3189	1600
106 n-Butylbenzene	91	14.102	14.102	(1.027)	194765	18.4467	1800
111 1,2-Dichlorobenzene	146	14.211	14.212	(1.035)	164581	20.0997	1900
112 1,2-Dibromo-3-chloropropane	75	15.174	15.186	(1.105)	30909	18.6184	1800
114 1,2,4-Trichlorobenzene	180	16.362	16.366	(1.191)	83546	22.2669	2100
115 Hexachlorobutadiene	225	16.559	16.587	(1.206)	64649	19.1871	1800
116 Naphthalene	128	16.803	16.815	(1.223)	125457	20.3999	2000
117 1,2,3-Trichlorobenzene	180	17.216	17.226	(1.253)	65131	20.6464	2000
M 120 1,2-Dichloroethene (Total)	100				241064	37.5460	3600
M 121 Xylene (Total)	100				363775	58.4477	5600

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

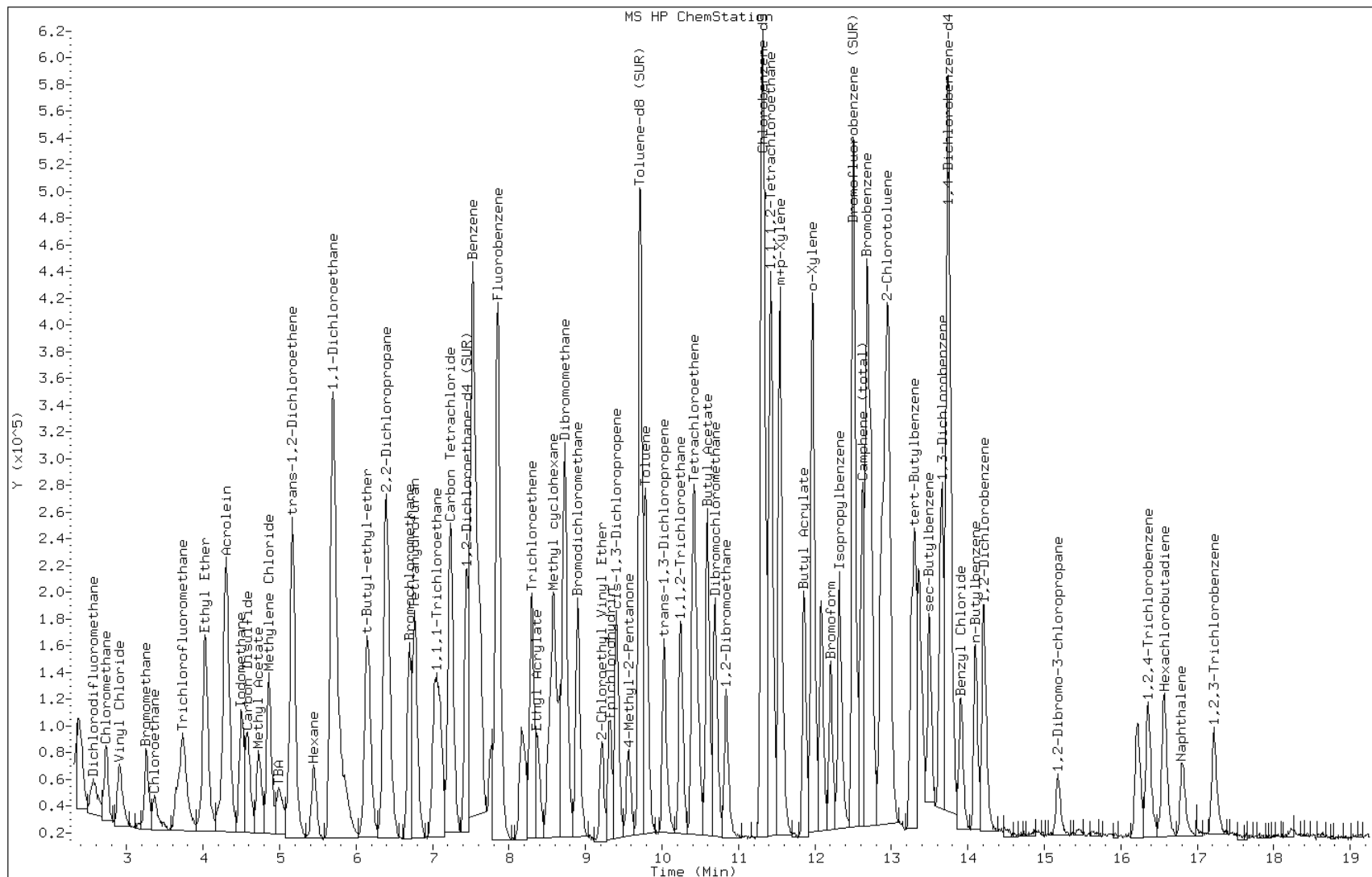
Data File: j03980.d

Date: 27-SEP-2011 02:48

Client ID: S0-17338-091511-MM-

Instrument: VOAMS8.i

Sample Info: 460-31328-C-7-AMSD;50;;15.05;25 Operator:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: VOAMS8 Start Date: 09/22/2011 01:35Analysis Batch Number: 87107 End Date: 09/22/2011 05:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-87107/1		09/22/2011 01:35	1	j03832.d	DB-624 0.53 (mm)
IC 460-87107/2		09/22/2011 02:30	1	j03834.d	DB-624 0.53 (mm)
IC 460-87107/3		09/22/2011 03:20	1	j03836.d	DB-624 0.53 (mm)
ICIS 460-87107/4		09/22/2011 03:45	1	j03837.d	DB-624 0.53 (mm)
IC 460-87107/5		09/22/2011 04:10	1	j03838.d	DB-624 0.53 (mm)
IC 460-87107/6		09/22/2011 04:35	1	j03839.d	DB-624 0.53 (mm)
IC 460-87107/7		09/22/2011 05:00	1	j03840.d	DB-624 0.53 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: VOAMS8 Start Date: 09/26/2011 18:31Analysis Batch Number: 87364 End Date: 09/27/2011 06:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-87364/1		09/26/2011 18:31	1	j03962.d	DB-624 0.53 (mm)
CCVIS 460-87364/2		09/26/2011 19:24	1	j03964.d	DB-624 0.53 (mm)
LCS 460-87364/3		09/26/2011 20:10	50	j03965.d	DB-624 0.53 (mm)
MB 460-87364/4		09/26/2011 21:00	50	j03967.d	DB-624 0.53 (mm)
ZZZZZ		09/26/2011 21:47	50		DB-624 0.53 (mm)
ZZZZZ		09/26/2011 22:12	50		DB-624 0.53 (mm)
ZZZZZ		09/26/2011 22:37	50		DB-624 0.53 (mm)
ZZZZZ		09/26/2011 23:02	50		DB-624 0.53 (mm)
ZZZZZ		09/26/2011 23:27	50		DB-624 0.53 (mm)
ZZZZZ		09/26/2011 23:52	50		DB-624 0.53 (mm)
ZZZZZ		09/27/2011 00:17	50		DB-624 0.53 (mm)
ZZZZZ		09/27/2011 00:42	50		DB-624 0.53 (mm)
ZZZZZ		09/27/2011 01:08	50		DB-624 0.53 (mm)
ZZZZZ		09/27/2011 01:33	50		DB-624 0.53 (mm)
ZZZZZ		09/27/2011 01:57	50		DB-624 0.53 (mm)
460-31328-7 MS	SO-17338-091511-MM-01 7 MS	09/27/2011 02:22	50	j03979.d	DB-624 0.53 (mm)
460-31328-7 MSD	SO-17338-091511-MM-01 7 MSD	09/27/2011 02:48	50	j03980.d	DB-624 0.53 (mm)
460-31328-7	SO-17338-091511-MM-01 7	09/27/2011 03:37	50	j03982.d	DB-624 0.53 (mm)
ZZZZZ		09/27/2011 04:02	50		DB-624 0.53 (mm)
ZZZZZ		09/27/2011 04:27	50		DB-624 0.53 (mm)
ZZZZZ		09/27/2011 04:53	50		DB-624 0.53 (mm)
ZZZZZ		09/27/2011 05:18	50		DB-624 0.53 (mm)
CCV 460-87364/23		09/27/2011 06:08	1	j03988.d	DB-624 0.53 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Batch Number: 87208 Batch Start Date: 09/24/11 14:38 Batch Analyst: Jin, FangzhouBatch Method: 5035 Batch End Date: 09/24/11 14:52

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	VM8PrepSU 00030	
460-31328-C-7	SO-17338-091511-MM-017	5035, 8260B	T	46.2 g	61.25 g	15.05 g	25 mL	25 mL	

Batch Notes	

Basis	Basis Description
T	Total/NA

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS8.i

Analytical Batch: /chem/VOAMS8.i/8260_09/09-22-11DE/22sept1de.b

Date Generated: 09/22/2011

Page 1

87102

Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
09/22/11	0135 j03832.d	2	BFB		0	0	1	all			
09/22/11	0230 j03834.d	2	IC-VMCAL1		5	0	1	all			
09/22/11	0320 j03836.d	3	IC-VMCAL2		5	0	1	all			
09/22/11	0345 j03837.d	4	ICIS-VMCAL3		5	0	1	all			
09/22/11	0410 j03838.d	5	IC-VMCAL4		5	0	1	all			
09/22/11	0435 j03839.d	6	IC-VMCAL5		5	0	1	all			
09/22/11	0500 j03840.d	7	IC-VMCAL6		5	0	1	all			

Signed: Hudson for Ken B. Read and Understood by: H. Seyoum

Date: 9/22/11. Date: 9/22/11.

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TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS8.i

Analytical Batch: /chem/VOAMS8.i/8260_09/09-22-11DE/26septide.b

Date Generated: 09/27/2011

Page 1

Date	Data File	ALS	Sample ID	Client ID	IV/	FV	Dil	Sublist	PH	STD	COMMENTS
09/26/11	1831j03962.d	2	BFB		0	0	1	all			
09/26/11	1859j03963.d	1	CCVIS		5	0	1	all			
09/26/11	1924j03964.d	3	CCVIS		5	0	1	all			
09/26/11	2010j03965.d	4	LCS		5	10	50	all			
09/26/11	2035j03966.d	5	MB		5	10	50	all			
09/26/11	2100j03967.d	6	MB		5	10	50	all			
09/26/11	2147j03968.d	1	460-31312-B-2-A	HA-2	9.88	25	50	all			
09/26/11	2212j03969.d	2	460-31312-B-3-A	HA-3	8.5	25	50	all			
09/26/11	2237j03970.d	3	460-31312-B-6-A	HA-6	7.88	25	50	all			
09/26/11	2302j03971.d	4	460-31312-B-7-A	HA-7	9.15	25	50	all			
09/26/11	2327j03972.d	5	460-31312-B-8-A	HA-8	10.18	25	50	all			
09/26/11	2352j03973.d	6	460-31312-B-9-A	SS-1	9.68	25	50	all			
09/27/11	0017j03974.d	7	460-31312-B-10-A	SS-2	8.97	25	50	all			
09/27/11	0042j03975.d	8	460-31312-B-11-A	SS-3	8.55	25	50	all			

87364

TESTAMERICA

Analytical Batch: /chem/VOAMS8.i/8260_09/09-22-11DE/26sep11de.b

Page 2

Page 175 of 885

Date	Data	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
09/27/11 0108	j03976.d	9	460-31312-B-12-A	SS-4	7.81	25	50	all			
09/27/11 0133	j03977.d	10	460-31312-B-2-AMS	HA-2	9.88	25	50	all			C
09/27/11 0157	j03978.d	11	460-31312-B-2-AMSD	HA-2	9.88	25	50	all			C
09/27/11 0222	j03979.d	12	460-31328-C-7-AMS	SO-17338-091511-MM-	15.05	25	50	all			C
09/27/11 0248	j03980.d	13	460-31328-C-7-AMSD	SO-17338-091511-MM-	15.05	25	50	all			C
09/27/11 0313	j03981.d	14	BLK		5	0	1	all			C
09/27/11 0337	j03982.d	15	460-31328-C-7-A	SO-17338-091511-MM-	15.05	25	50	all			(N.R.)
09/27/11 0402	j03983.d	16	460-31330-D-1-A	SO-17338-091411-MM-	14.88	25	50	all			C
09/27/11 0427	j03984.d	17	460-31330-D-4-A	SO-17338-091411-MM-	14.53	25	50	all			C
09/27/11 0453	j03985.d	18	460-31469-C-4-A	SO-17338-091911-MM-	12.95	25	50	all			C
09/27/11 0518	j03986.d	19	460-31469-C-20-A	SO-17338-092011-MM-	16.44	25	50	all			C
09/27/11 0543	j03987.d	20	CCV		5	0	1	all			C
09/27/11 0608	j03988.d	21	CCV		5	0	1	all			(N.R.) C

10

9/22/11

Method 8270 DEL

Semivolatile Organics (GC/MS) by
Method 8270 (Delaware)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Low
GC Column (1): Rtx-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
SO-17338-091511-MM-015	460-31328-5	72	73	80	79	52	85
	MB 460-87558/1-A	74	75	81	80	57	83
	LCS 460-87558/2-A	74	75	82	83	88	80
SO-17338-091511-MM-015 MS	460-31328-5 MS	73	74	83	85	81	78
SO-17338-091511-MM-015 MSD	460-31328-5 MSD	72	74	81	84	82	82

	<u>QC LIMITS</u>
2FP = 2-Fluorophenol (Surr)	37-125
PHL = Phenol-d5 (Surr)	41-118
NBZ = Nitrobenzene-d5 (Surr)	38-105
FBP = 2-Fluorobiphenyl	40-109
TBP = 2,4,6-Tribromophenol (Surr)	10-120
TPH = Terphenyl-d14 (Surr)	16-151

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z10411.d
 Lab ID: LCS 460-87558/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzaldehyde	3330	4480	134	10-160	
Phenol	6370	5120	80	54-115	
Bis (2-chloroethyl) ether	3330	2670	80	44-101	
2-Chlorophenol	6400	5270	82	56-110	
2-Methylphenol	6420	5310	83	54-117	
2,2'-oxybis[1-chloropropane]	3330	2610	78	45-102	
Acetophenone	3330	2620	79	40-95	
4-Methylphenol	6420	4590	72	47-103	
N-Nitrosodi-n-propylamine	3330	2700	81	42-107	
Hexachloroethane	3330	2600	78	45-90	
Nitrobenzene	3330	2720	82	42-106	
Isophorone	3330	2740	82	48-97	
2-Nitrophenol	6440	5690	88	55-101	
2,4-Dimethylphenol	6410	5310	83	56-112	
Bis (2-chloroethoxy) methane	3330	2820	85	51-100	
2,4-Dichlorophenol	6450	5400	84	58-115	
Naphthalene	3330	2730	82	53-94	
4-Chloroaniline	3330	1850	56	10-96	
Hexachlorobutadiene	3330	2850	85	45-98	
Caprolactam	3330	2070	62	10-127	
4-Chloro-3-methylphenol	6440	5340	83	55-117	
2-Methylnaphthalene	3330	2790	84	51-98	
Hexachlorocyclopentadiene	3330	2520	76	24-98	
2,4,6-Trichlorophenol	6490	5510	85	53-118	
2,4,5-Trichlorophenol	6490	5220	81	50-115	
1,1'-Biphenyl	3330	2790	84	50-105	
2-Chloronaphthalene	3330	2800	84	51-102	
2-Nitroaniline	3330	3330	100	51-109	
Dimethyl phthalate	3330	2850	86	52-112	
2,6-Dinitrotoluene	3330	2850	86	51-115	
Acenaphthylene	3330	2690	81	51-103	
3-Nitroaniline	3330	2040	61	32-104	
Acenaphthene	3330	2850	85	46-100	
2,4-Dinitrophenol	6660	1720	26	10-129	
4-Nitrophenol	6660	5660	85	45-114	
Dibenzofuran	3330	2790	84	52-106	
2,4-Dinitrotoluene	3330	2870	86	53-110	
Diethyl phthalate	3330	2800	84	52-114	
Fluorene	3330	2800	84	51-108	
4-Chlorophenyl phenyl ether	3330	2860	86	50-106	
4-Nitroaniline	3330	2640	79	45-106	
4,6-Dinitro-2-methylphenol	6670	3070	46	10-110	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z10411.d
 Lab ID: LCS 460-87558/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
N-Nitrosodiphenylamine	3330	2950	89	49-106	
4-Bromophenyl phenyl ether	3330	2940	88	44-102	
Hexachlorobenzene	3330	2990	90	43-104	
Atrazine	3330	2800	84	30-100	
Pentachlorophenol	6670	5620	84	19-113	
Phenanthrene	3330	2810	84	48-108	
Anthracene	3330	2830	85	50-107	
Carbazole	3330	2830	85	49-104	
Di-n-butyl phthalate	3330	2840	85	50-108	
Fluoranthene	3330	3020	91	49-108	
Pyrene	3330	2740	82	49-116	
Butyl benzyl phthalate	3330	2900	87	49-117	
3,3'-Dichlorobenzidine	3330	2510	75	24-105	
Benzo[a]anthracene	3330	2900	87	46-112	
Chrysene	3330	2910	87	45-114	
Bis(2-ethylhexyl) phthalate	3330	2910	87	49-119	
Di-n-octyl phthalate	3330	2790	84	40-106	
Benzo[b]fluoranthene	3330	3060	92	33-96	
Benzo[k]fluoranthene	3330	2750	82	35-115	
Benzo[a]pyrene	3330	2860	86	36-89	
Indeno[1,2,3-cd]pyrene	3330	3190	96	43-109	
Dibenz(a,h)anthracene	3330	3150	95	43-107	
Benzo[g,h,i]perylene	3330	3150	95	43-106	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: z10413.d
Lab ID: 460-31328-5 MS Client ID: SO-17338-091511-MM-015 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Benzaldehyde	3860	380 U	3170	82	10-160	
Phenol	7380	380 U	5740	78	54-115	
Bis (2-chloroethyl) ether	3860	38 U	3040	79	44-101	
2-Chlorophenol	7420	380 U	5910	80	56-110	
2-Methylphenol	7430	380 U	6010	81	54-117	
2,2'-oxybis[1-chloropropane]	3860	380 U	3030	78	45-102	
Acetophenone	3860	380 U	3050	79	40-95	
4-Methylphenol	7430	380 U	5080	68	47-103	
N-Nitrosodi-n-propylamine	3860	38 U	3190	83	42-107	
Hexachloroethane	3860	38 U	3010	78	45-90	
Nitrobenzene	3860	38 U	3080	80	42-106	
Isophorone	3860	380 U	3180	83	48-97	
2-Nitrophenol	7450	380 U	6360	85	55-101	
2,4-Dimethylphenol	7420	380 U	5740	77	56-112	
Bis (2-chloroethoxy) methane	3860	380 U	3230	84	51-100	
2,4-Dichlorophenol	7470	380 U	6040	81	58-115	
Naphthalene	3860	380 U	3140	81	53-94	
4-Chloroaniline	3860	380 U	2310	60	10-96	
Hexachlorobutadiene	3860	77 U	3280	85	45-98	
Caprolactam	3860	380 U	3390	88	10-127	
4-Chloro-3-methylphenol	7460	380 U	6270	84	55-117	
2-Methylnaphthalene	3860	380 U	3210	83	51-98	
Hexachlorocyclopentadiene	3860	380 U	2580	67	24-98	
2,4,6-Trichlorophenol	7510	380 U	5860	78	53-118	
2,4,5-Trichlorophenol	7510	380 U	6140	82	50-115	
1,1'-Biphenyl	3860	380 U	3250	84	50-105	
2-Chloronaphthalene	3860	380 U	3260	85	51-102	
2-Nitroaniline	3860	770 U	3970	103	51-109	
Dimethyl phthalate	3860	380 U	3460	90	52-112	
2,6-Dinitrotoluene	3860	77 U	3460	90	51-115	
Acenaphthylene	3860	380 U	3160	82	51-103	
3-Nitroaniline	3860	770 U	2880	75	32-104	
Acenaphthene	3860	380 U	3350	87	46-100	
2,4-Dinitrophenol	7720	1200 U	86.3 J	1	10-129	F
4-Nitrophenol	7720	1200 U	5970	77	45-114	
Dibenzofuran	3860	380 U	3340	86	52-106	
2,4-Dinitrotoluene	3860	77 U	3530	91	53-110	
Diethyl phthalate	3860	380 U	3450	90	52-114	
Fluorene	3860	380 U	3370	87	51-108	
4-Chlorophenyl phenyl ether	3860	380 U	3440	89	50-106	
4-Nitroaniline	3860	770 U	2880	75	45-106	
4,6-Dinitro-2-methylphenol	7720	1200 U	407 J	5	10-110	F

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z10413.d
 Lab ID: 460-31328-5 MS Client ID: SO-17338-091511-MM-015 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
N-Nitrosodiphenylamine	3860	380 U	3480	90	49-106	
4-Bromophenyl phenyl ether	3860	380 U	3460	90	44-102	
Hexachlorobenzene	3860	38 U	3400	88	43-104	
Atrazine	3860	380 U	3430	89	30-100	
Pentachlorophenol	7720	1200 U	3230	42	19-113	
Phenanthrene	3860	380 U	3330	86	48-108	
Anthracene	3860	380 U	3410	88	50-107	
Carbazole	3860	380 U	3440	89	49-104	
Di-n-butyl phthalate	3860	380 U	3460	90	50-108	
Fluoranthene	3860	380 U	3870	100	49-108	
Pyrene	3860	380 U	3020	78	49-116	
Butyl benzyl phthalate	3860	380 U	3390	88	49-117	
3,3'-Dichlorobenzidine	3860	770 U	3180	83	24-105	
Benzo[a]anthracene	3860	38 U	3440	89	46-112	
Chrysene	3860	380 U	3570	92	45-114	
Bis(2-ethylhexyl) phthalate	3860	380 U	3530	92	49-119	
Di-n-octyl phthalate	3860	380 U	3360	87	40-106	
Benzo[b]fluoranthene	3860	12 J	3600	93	33-96	
Benzo[k]fluoranthene	3860	38 U	3610	94	35-115	
Benzo[a]pyrene	3860	12 J	3540	91	36-89	F
Indeno[1,2,3-cd]pyrene	3860	10 J	4010	104	43-109	
Dibenz(a,h)anthracene	3860	38 U	3720	96	43-107	
Benzo[g,h,i]perylene	3860	380 U	3760	98	43-106	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: z10414.d
Lab ID: 460-31328-5 MSD Client ID: SO-17338-091511-MM-015 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzaldehyde	3850	3130	81	1	30	10-160	
Phenol	7370	5830	79	2	30	54-115	
Bis (2-chloroethyl) ether	3850	3060	79	1	30	44-101	
2-Chlorophenol	7410	5970	81	1	30	56-110	
2-Methylphenol	7420	6030	81	0	30	54-117	
2,2'-oxybis[1-chloropropane]	3850	2990	78	1	30	45-102	
Acetophenone	3850	3050	79	0	30	40-95	
4-Methylphenol	7420	5220	70	3	30	47-103	
N-Nitrosodi-n-propylamine	3850	3060	79	4	30	42-107	
Hexachloroethane	3850	2970	77	1	30	45-90	
Nitrobenzene	3850	3070	80	0	30	42-106	
Isophorone	3850	3190	83	0	30	48-97	
2-Nitrophenol	7440	6250	84	2	30	55-101	
2,4-Dimethylphenol	7410	5880	79	2	30	56-112	
Bis (2-chloroethoxy) methane	3850	3230	84	0	30	51-100	
2,4-Dichlorophenol	7460	6150	82	2	30	58-115	
Naphthalene	3850	3110	81	1	30	53-94	
4-Chloroaniline	3850	2380	62	3	30	10-96	
Hexachlorobutadiene	3850	3260	85	1	30	45-98	
Caprolactam	3860	3650	95	7	30	10-127	
4-Chloro-3-methylphenol	7450	6490	87	3	30	55-117	
2-Methylnaphthalene	3850	3250	84	1	30	51-98	
Hexachlorocyclopentadiene	3850	2550	66	1	30	24-98	
2,4,6-Trichlorophenol	7500	5720	76	2	30	53-118	
2,4,5-Trichlorophenol	7500	6120	82	0	30	50-115	
1,1'-Biphenyl	3850	3200	83	1	30	50-105	
2-Chloronaphthalene	3850	3180	83	3	30	51-102	
2-Nitroaniline	3850	4010	104	1	30	51-109	
Dimethyl phthalate	3850	3510	91	1	30	52-112	
2,6-Dinitrotoluene	3850	3480	90	1	30	51-115	
Acenaphthylene	3850	3140	81	1	30	51-103	
3-Nitroaniline	3850	2980	77	3	30	32-104	
Acenaphthene	3850	3320	86	1	30	46-100	
2,4-Dinitrophenol	7710	85.2 J	1	1	30	10-129	F
4-Nitrophenol	7710	5940	77	0	30	45-114	
Dibenzofuran	3850	3350	87	0	30	52-106	
2,4-Dinitrotoluene	3850	3730	97	6	30	53-110	
Diethyl phthalate	3850	3570	93	3	30	52-114	
Fluorene	3850	3390	88	1	30	51-108	
4-Chlorophenyl phenyl ether	3850	3460	90	1	30	50-106	
4-Nitroaniline	3850	3140	81	9	30	45-106	
4,6-Dinitro-2-methylphenol	7710	371 J	5	9	30	10-110	F

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z10414.d
 Lab ID: 460-31328-5 MSD Client ID: SO-17338-091511-MM-015 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
N-Nitrosodiphenylamine	3850	3420	89	1	30	49-106	
4-Bromophenyl phenyl ether	3850	3380	88	2	30	44-102	
Hexachlorobenzene	3850	3340	87	2	30	43-104	
Atrazine	3850	3440	89	0	30	30-100	
Pentachlorophenol	7710	2640	34	20	30	19-113	
Phenanthrene	3850	3320	86	0	30	48-108	
Anthracene	3850	3340	87	2	30	50-107	
Carbazole	3850	3480	90	1	30	49-104	
Di-n-butyl phthalate	3850	3590	93	4	30	50-108	
Fluoranthene	3850	3900	101	1	30	49-108	
Pyrene	3850	3160	82	4	30	49-116	
Butyl benzyl phthalate	3850	3460	90	2	30	49-117	
3,3'-Dichlorobenzidine	3850	3170	82	0	30	24-105	
Benzo[a]anthracene	3850	3520	91	2	30	46-112	
Chrysene	3850	3460	90	3	30	45-114	
Bis(2-ethylhexyl) phthalate	3850	3500	91	1	30	49-119	
Di-n-octyl phthalate	3850	3470	90	3	30	40-106	
Benzo[b]fluoranthene	3850	3880	101	7	30	33-96	F
Benzo[k]fluoranthene	3850	3360	87	7	30	35-115	
Benzo[a]pyrene	3850	3450	89	3	30	36-89	
Indeno[1,2,3-cd]pyrene	3850	3440	89	15	30	43-109	
Dibenz(a,h)anthracene	3850	3520	91	6	30	43-107	
Benzo[g,h,i]perylene	3850	3450	90	9	30	43-106	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Lab File ID: z10412.d Lab Sample ID: MB 460-87558/1-A
Matrix: Solid Date Extracted: 09/28/2011 11:30
Instrument ID: BNAMS11 Date Analyzed: 09/30/2011 15:08
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-87558/2-A	z10411.d	09/30/2011 14:43
SO-17338-091511-MM-015 MS	460-31328-5 MS	z10413.d	09/30/2011 15:33
SO-17338-091511-MM-015 MSD	460-31328-5 MSD	z10414.d	09/30/2011 15:58
SO-17338-091511-MM-015	460-31328-5	z10415.d	09/30/2011 16:22

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Lab File ID: z10237.d DFTPP Injection Date: 09/26/2011
Instrument ID: BNAMS11 DFTPP Injection Time: 10:44
Analysis Batch No.: 87600

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	42.7
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	43.1
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	51.4
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
275	10.0 - 30.0 % of mass 198	29.9
365	Greater than 1.0 % of mass 198	5.0
441	Present but less than mass 443	15.1
442	Greater than 40.0 % of mass 198	99.6
443	17.0 - 23.0 % of mass 442	19.3 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-87600/2	z10238.d	09/26/2011	10:59
	IC 460-87600/3	z10239.d	09/26/2011	11:35
	IC 460-87600/4	z10240.d	09/26/2011	12:00
	IC 460-87600/5	z10241.d	09/26/2011	12:25
	IC 460-87600/6	z10242.d	09/26/2011	12:50

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Lab File ID: z10409.d DFTPP Injection Date: 09/30/2011
Instrument ID: BNAMS11 DFTPP Injection Time: 13:43
Analysis Batch No.: 88069

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	44.4
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	44.2
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	54.1
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.6
275	10.0 - 30.0 % of mass 198	29.6
365	Greater than 1.0 % of mass 198	5.5
441	Present but less than mass 443	14.0
442	Greater than 40.0 % of mass 198	90.4
443	17.0 - 23.0 % of mass 442	16.9 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-88069/2	z10410.d	09/30/2011	13:59
	LCS 460-87558/2-A	z10411.d	09/30/2011	14:43
	MB 460-87558/1-A	z10412.d	09/30/2011	15:08
SO-17338-091511-MM-015 MS	460-31328-5 MS	z10413.d	09/30/2011	15:33
SO-17338-091511-MM-015 MSD	460-31328-5 MSD	z10414.d	09/30/2011	15:58
SO-17338-091511-MM-015	460-31328-5	z10415.d	09/30/2011	16:22
	CCV 460-88071/1	z10417.d	09/30/2011	17:13

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Sample No.: CCVIS 460-88069/2 Date Analyzed: 09/30/2011 13:59
 Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): z10410.d Heated Purge: (Y/N) N
 Calibration ID: 12425

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		329080	3.68	1141596	4.97	497218	6.72
UPPER LIMIT		658160	4.18	2283192	5.47	994436	7.22
LOWER LIMIT		164540	3.18	570798	4.47	248609	6.22
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-87558/2-A		344232	3.68	1180924	4.97	512282	6.72
MB 460-87558/1-A		361398	3.67	1310486	4.97	608167	6.71
460-31328-5 MS	SO-17338-091511-MM-01 5 MS	305346	3.68	1045412	4.97	449066	6.72
460-31328-5 MSD	SO-17338-091511-MM-01 5 MSD	335083	3.68	1160942	4.97	520599	6.72
460-31328-5	SO-17338-091511-MM-01 5	362810	3.68	1326041	4.97	619738	6.71

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Sample No.: CCVIS 460-88069/2 Date Analyzed: 09/30/2011 13:59
 Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): z10410.d Heated Purge: (Y/N) N
 Calibration ID: 12425

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		585382	8.16	294263	10.78	215710	12.50
UPPER LIMIT		1170764	8.66	588526	11.28	431420	13.00
LOWER LIMIT		292691	7.66	147132	10.28	107855	12.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-87558/2-A		593272	8.17	329986	10.79	268341	12.51
MB 460-87558/1-A		761030	8.16	385771	10.77	293080	12.50
460-31328-5 MS	SO-17338-091511-MM-01 5 MS	542973	8.16	347229	10.78	293354	12.50
460-31328-5 MSD	SO-17338-091511-MM-01 5 MSD	662215	8.16	415369	10.78	324084	12.50
460-31328-5	SO-17338-091511-MM-01 5	788466	8.16	386642	10.77	298551	12.50

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-31328-1</u>
SDG No.: _____	
Client Sample ID: <u>SO-17338-091511-MM-015</u>	Lab Sample ID: <u>460-31328-5</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z10415.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/15/2011 11:10</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>09/28/2011 11:30</u>
Sample wt/vol: <u>15.01(g)</u>	Date Analyzed: <u>09/30/2011 16:22</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: _____	Level: (low/med) <u>Low</u>
% Moisture: <u>13.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>88069</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	380	U	380	24
108-95-2	Phenol	380	U	380	47
111-44-4	Bis(2-chloroethyl)ether	38	U	38	8.0
95-57-8	2-Chlorophenol	380	U	380	51
95-48-7	2-Methylphenol	380	U	380	55
108-60-1	2,2'-oxybis[1-chloropropane]	380	U	380	50
98-86-2	Acetophenone	380	U	380	57
106-44-5	4-Methylphenol	380	U	380	63
621-64-7	N-Nitrosodi-n-propylamine	38	U	38	5.1
67-72-1	Hexachloroethane	38	U	38	6.5
98-95-3	Nitrobenzene	38	U	38	8.6
78-59-1	Isophorone	380	U	380	44
88-75-5	2-Nitrophenol	380	U	380	63
105-67-9	2,4-Dimethylphenol	380	U	380	61
111-91-1	Bis(2-chloroethoxy)methane	380	U	380	55
120-83-2	2,4-Dichlorophenol	380	U	380	61
91-20-3	Naphthalene	380	U	380	56
106-47-8	4-Chloroaniline	380	U	380	48
87-68-3	Hexachlorobutadiene	77	U	77	15
105-60-2	Caprolactam	380	U	380	53
59-50-7	4-Chloro-3-methylphenol	380	U	380	64
91-57-6	2-Methylnaphthalene	380	U	380	56
77-47-4	Hexachlorocyclopentadiene	380	U	380	110
88-06-2	2,4,6-Trichlorophenol	380	U	380	68
95-95-4	2,4,5-Trichlorophenol	380	U	380	74
92-52-4	1,1'-Biphenyl	380	U	380	63
91-58-7	2-Chloronaphthalene	380	U	380	54
88-74-4	2-Nitroaniline	770	U	770	100
131-11-3	Dimethyl phthalate	380	U	380	52
606-20-2	2,6-Dinitrotoluene	77	U	77	9.7
208-96-8	Acenaphthylene	380	U	380	55
99-09-2	3-Nitroaniline	770	U	770	87
83-32-9	Acenaphthene	380	U	380	54
51-28-5	2,4-Dinitrophenol	1200	U	1200	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Client Sample ID: SO-17338-091511-MM-015 Lab Sample ID: 460-31328-5

Matrix: Solid Lab File ID: z10415.d

Analysis Method: 8270C Date Collected: 09/15/2011 11:10

Extract. Method: 3541 Date Extracted: 09/28/2011 11:30

Sample wt/vol: 15.01(g) Date Analyzed: 09/30/2011 16:22

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

Injection Volume: _____ Level: (low/med) Low

% Moisture: 13.6 GPC Cleanup: (Y/N) N

Analysis Batch No.: 88069 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	1200	U	1200	98
132-64-9	Dibenzofuran	380	U	380	57
121-14-2	2,4-Dinitrotoluene	77	U	77	11
84-66-2	Diethyl phthalate	380	U	380	51
86-73-7	Fluorene	380	U	380	65
7005-72-3	4-Chlorophenyl phenyl ether	380	U	380	66
100-01-6	4-Nitroaniline	770	U	770	79
534-52-1	4,6-Dinitro-2-methylphenol	1200	U	1200	180
86-30-6	N-Nitrosodiphenylamine	380	U	380	62
101-55-3	4-Bromophenyl phenyl ether	380	U	380	68
118-74-1	Hexachlorobenzene	38	U	38	5.3
1912-24-9	Atrazine	380	U	380	71
87-86-5	Pentachlorophenol	1200	U	1200	190
85-01-8	Phenanthrene	380	U	380	67
120-12-7	Anthracene	380	U	380	68
86-74-8	Carbazole	380	U	380	61
84-74-2	Di-n-butyl phthalate	380	U	380	59
206-44-0	Fluoranthene	380	U	380	64
129-00-0	Pyrene	380	U	380	66
85-68-7	Butyl benzyl phthalate	380	U	380	45
91-94-1	3,3'-Dichlorobenzidine	770	U	770	85
56-55-3	Benzo[a]anthracene	38	U	38	7.1
218-01-9	Chrysene	380	U	380	56
117-81-7	Bis(2-ethylhexyl) phthalate	380	U	380	51
117-84-0	Di-n-octyl phthalate	380	U	380	45
205-99-2	Benzo[b]fluoranthene	12	J	38	5.7
207-08-9	Benzo[k]fluoranthene	38	U	38	5.4
50-32-8	Benzo[a]pyrene	12	J	38	4.7
193-39-5	Indeno[1,2,3-cd]pyrene	10	J	38	6.1
53-70-3	Dibenz(a,h)anthracene	38	U	38	4.6
191-24-2	Benzo[g,h,i]perylene	380	U	380	40

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Client Sample ID: SO-17338-091511-MM-015 Lab Sample ID: 460-31328-5
Matrix: Solid Lab File ID: z10415.d
Analysis Method: 8270C Date Collected: 09/15/2011 11:10
Extract. Method: 3541 Date Extracted: 09/28/2011 11:30
Sample wt/vol: 15.01(g) Date Analyzed: 09/30/2011 16:22
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: _____ Level: (low/med) Low
% Moisture: 13.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 88069 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	52		10-120
321-60-8	2-Fluorobiphenyl	79		40-109
367-12-4	2-Fluorophenol (Surr)	72		37-125
4165-60-0	Nitrobenzene-d5 (Surr)	80		38-105
4165-62-2	Phenol-d5 (Surr)	73		41-118
1718-51-0	Terphenyl-d14 (Surr)	85		16-151

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Client Sample ID: SO-17338-091511-MM-015 Lab Sample ID: 460-31328-5
Matrix: Solid Lab File ID: z10415.d
Analysis Method: 8270C Date Collected: 09/15/2011 11:10
Extract. Method: 3541 Date Extracted: 09/28/2011 11:30
Sample wt/vol: 15.01(g) Date Analyzed: 09/30/2011 16:22
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: _____ Level: (low/med) Low
% Moisture: 13.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 88069 Units: ug/Kg
Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10415.d
 Report Date: 01-Oct-2011 04:42

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10415.d
 Lab Smp Id: 460-31328-D-5-H Client Smp ID: SO-17338-091511-MM-
 Inj Date : 30-SEP-2011 16:22
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-31328-D-5-H
 Misc Info : 460-31328-D-5-H
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/8270Cdel_08.m
 Meth Date : 30-Sep-2011 14:26 croccom Quant Type: ISTD
 Cal Date : 30-SEP-2011 13:59 Cal File: z10410.d
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all-soil.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * 1000 * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.01000	Weight of sample extracted (g)
M	13.60000	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/ml)	(ug/Kg)
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 16 2-Fluorophenol (SUR)		112	2.480	2.421 (0.674)		917398	72.1173	5600
\$ 17 Phenol-d5 (SUR)		99	3.350	3.351 (0.910)		1080016	73.3566	5600
* 79 1,4-Dichlorobenzene-d4		152	3.680	3.680 (1.000)		362810	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)		82	4.239	4.256 (0.853)		537031	39.7603	3100
* 80 Naphthalene-d8		136	4.968	4.974 (1.000)		1326041	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)		172	6.068	6.068 (0.904)		892349	39.5651	3000
* 82 Acenaphthene-d10		164	6.715	6.721 (1.000)		619738	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)		330	7.486	7.497 (1.115)		132968	52.1707	4000
* 83 Phenanthrene-d10		188	8.162	8.162 (1.000)		788466	40.0000	
56 Fluoranthene		202	9.338	9.344 (1.144)		3040	0.17474	13(a)
57 Pyrene		202	9.550	9.556 (0.886)		2676	0.16053	12(a)
\$ 78 Terphenyl-d14		244	9.727	9.732 (0.903)		494043	42.5771	3300
* 81 Chrysene-d12		240	10.774	10.779 (1.000)		386642	40.0000	

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10415.d
 Report Date: 01-Oct-2011 04:42

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
62 Chrysene	228	10.797	10.809	(1.002)	1425	0.13087	10(a)
65 Benzo(b)fluoranthene	252	12.021	12.032	(0.961)	1304	0.15038	12(a)
67 Benzo(a)pyrene	252	12.421	12.432	(0.993)	1169	0.16030	12(a)
* 84 Perylene-d12	264	12.503	12.503	(1.000)	298551	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.850	13.856	(1.108)	839	0.13182	10(a)
70 Benzo(g,h,i)perylene	276	14.173	14.185	(1.134)	833	0.12082	9.3(a)

QC Flag Legend

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

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10415.d
Report Date: 01-Oct-2011 04:42

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10415.d
Lab Smp Id: 460-31328-D-5-H Client Smp ID: SO-17338-091511-MM-
Inj Date : 30-SEP-2011 16:22
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : 460-31328-D-5-H
Misc Info : 460-31328-D-5-H
Comment :
Method : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/8270Cdel_08.m
Meth Date : 30-Sep-2011 14:26 croccom Quant Type: ISTD
Cal Date : 30-SEP-2011 13:59 Cal File: z10410.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-soil.sub
Target Version: 3.50
Processing Host: hpd1

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: z10415.d

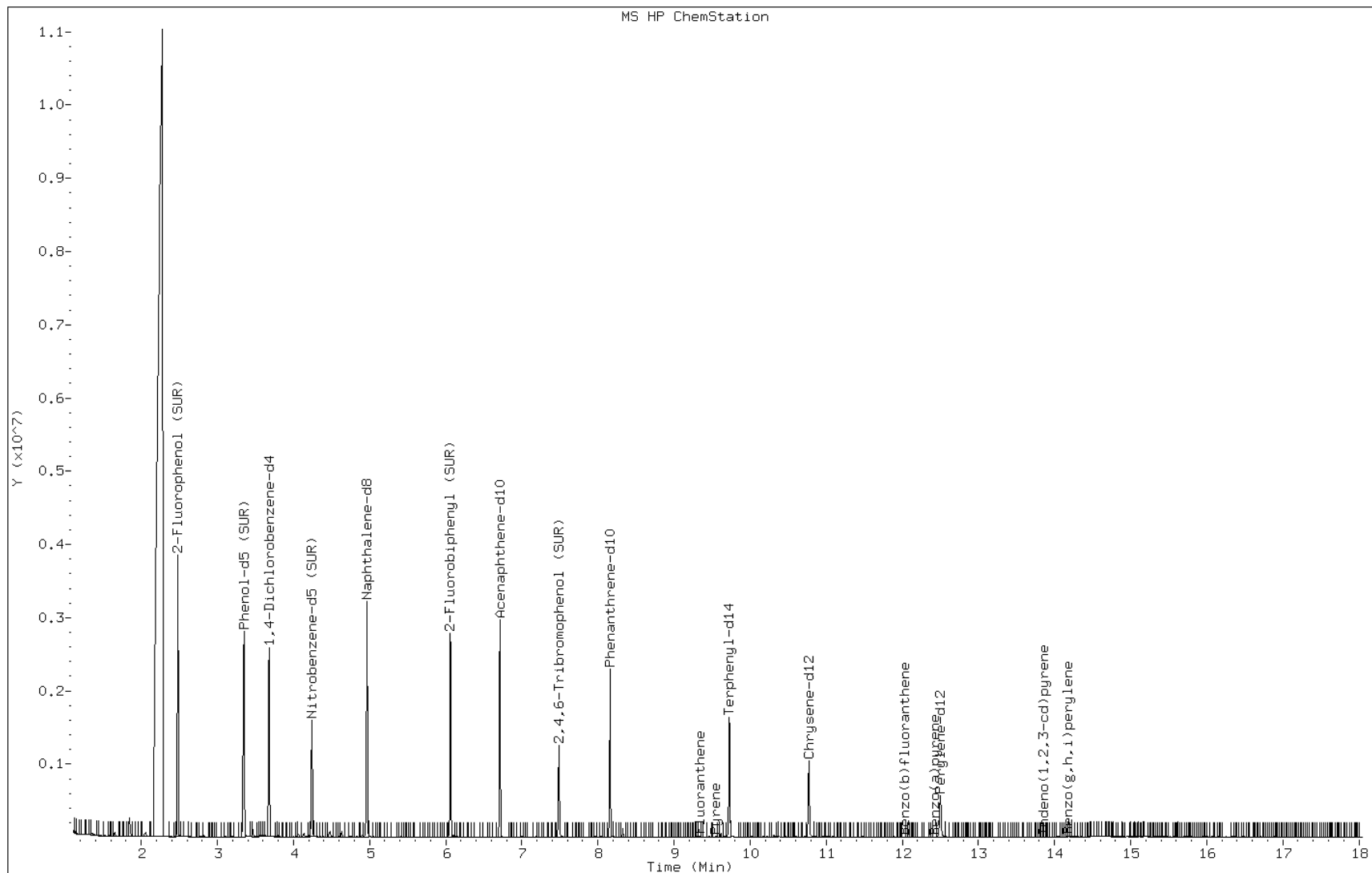
Date: 30-SEP-2011 16:22

Client ID: S0-17338-091511-MM-

Instrument: BNAMS11.i

Sample Info: 460-31328-D-5-H

Operator: BNAMS 4



Data File: z10415.d

Date: 30-SEP-2011 16:22

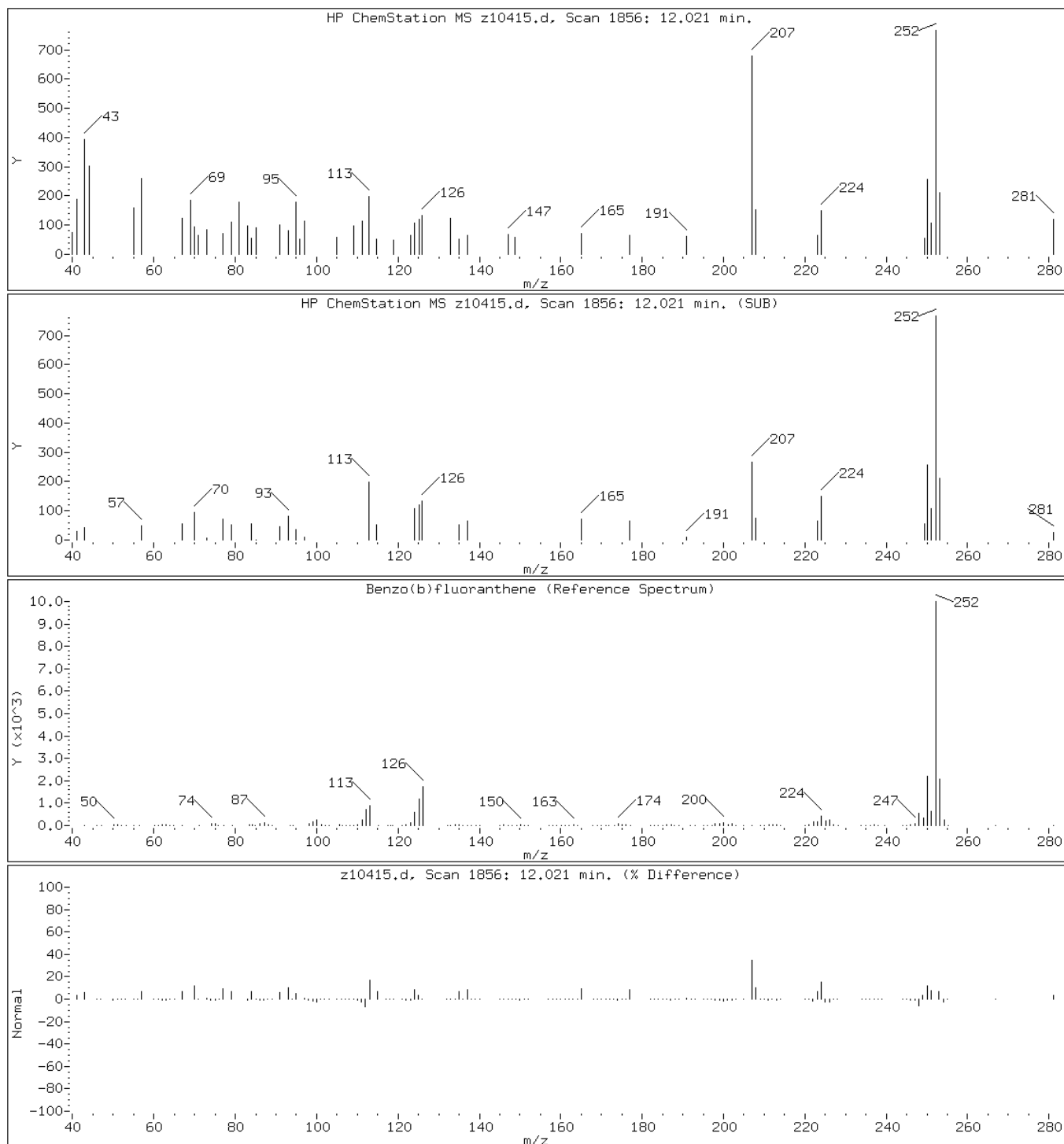
Client ID: S0-17338-091511-MM-

Instrument: BNAMS11.i

Sample Info: 460-31328-D-5-H

Operator: BNAMS 4

65 Benzo(b)fluoranthene



Data File: z10415.d

Date: 30-SEP-2011 16:22

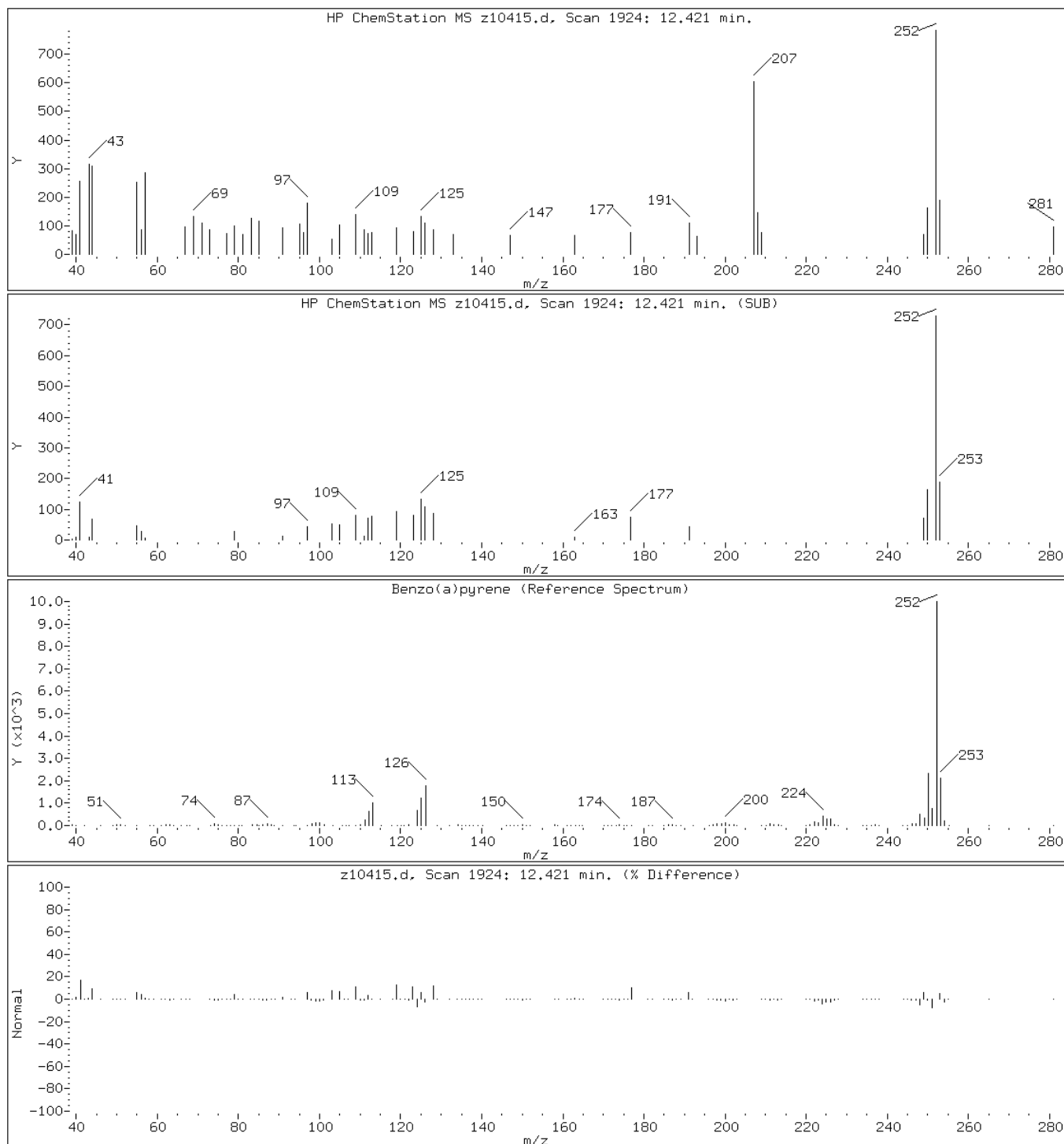
Client ID: S0-17338-091511-MM-

Instrument: BNAMS11.i

Sample Info: 460-31328-D-5-H

Operator: BNAMS 4

67 Benzo(a)pyrene



Data File: z10415.d

Date: 30-SEP-2011 16:22

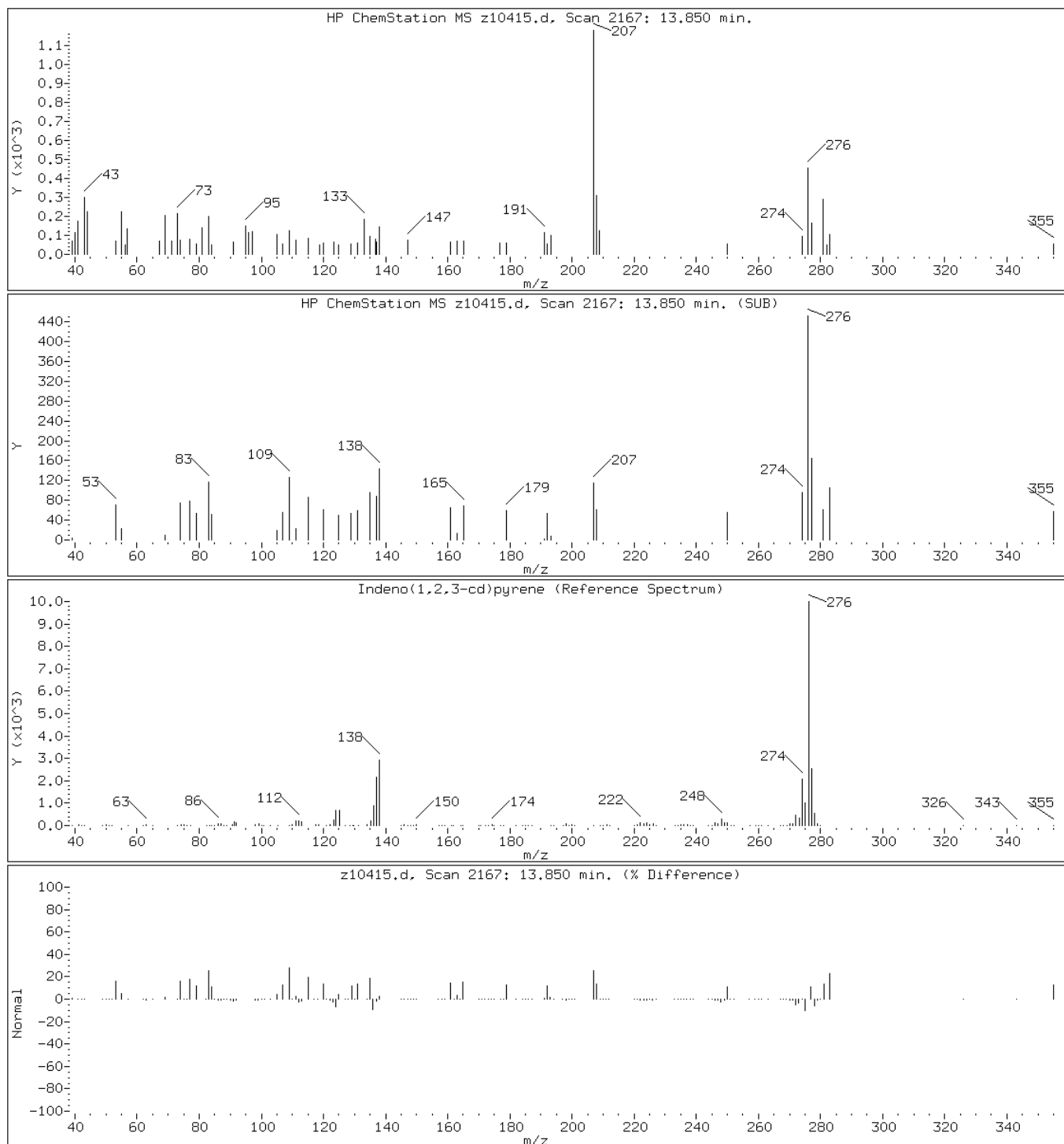
Client ID: S0-17338-091511-MM-

Instrument: BNAMS11.i

Sample Info: 460-31328-D-5-H

Operator: BNAMS 4

68 Indeno(1,2,3-cd)pyrene



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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87600

SDG No.: _____

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2011 10:59 Calibration End Date: 09/26/2011 12:50 Calibration ID: 12425

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87600/4	z10240.d
Level 2	IC 460-87600/6	z10242.d
Level 3	ICIS 460-87600/2	z10238.d
Level 4	IC 460-87600/5	z10241.d
Level 5	IC 460-87600/3	z10239.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6575	0.6370	0.6570	0.6502	0.6351	Ave		0.6474			0.0500	1.7		30.0			
N-Nitrosodimethylamine	0.8306	0.8337	0.8460	0.8259	0.8190	Ave		0.8311			0.0500	1.2		30.0			
Pyridine	1.5462	1.5500	1.5302	1.4466	1.4428	Ave		1.5032			0.0500	3.6		30.0			
2,3,7,8-TCDD	+++++	+++++	0.1840	+++++	+++++	Ave		0.1840			0.0500			30.0			
Benzaldehyde	1.0004	0.4721	0.6504	0.1843	0.0446	Ave		0.4704			0.0500	80.7	*	30.0			
Aniline	1.9849	1.9478	1.9768	1.8543	1.7405	Ave		1.9009			0.0500	5.4		30.0			
Phenol	1.9450	1.7638	1.6758	1.6376	1.7106	Ave		1.7466			0.0500	6.9		30.0			
Bis(2-chloroethyl)ether	1.2927	1.3003	1.3457	1.3170	1.4593	Ave		1.3430			0.0500	5.1		30.0			
2-Chlorophenol	1.5172	1.4330	1.3697	1.3214	1.3091	Ave		1.3901			0.0500	6.2		30.0			
n-Decane	1.4175	1.3607	1.2816	1.1984	1.1580	Ave		1.2832			0.0500	8.4		30.0			
1,3-Dichlorobenzene	1.6109	1.5636	1.6284	1.6327	1.6540	Ave		1.6179			0.0500	2.1		30.0			
1,4-Dichlorobenzene	1.6163	1.5891	1.6701	1.6527	1.6797	Ave		1.6416			0.0500	2.3		30.0			
Benzyl alcohol	0.7510	0.7969	0.7022	0.7897	0.7594	Ave		0.7598			0.0500	5.0		30.0			
1,2-Dichlorobenzene	1.5150	1.4713	1.5143	1.5478	1.5489	Ave		1.5195			0.0500	2.1		30.0			
2,2'-oxybis[1-chloropropane]	1.6342	1.4652	1.4172	1.2991	1.2494	Ave		1.4130			0.0500	10.7		30.0			
2-Methylphenol	1.2440	1.1609	1.1420	1.1011	1.1101	Ave		1.1516			0.0500	4.9		30.0			
o-Toluidine	1.5473	1.5518	1.5385	1.4827	1.5571	Ave		1.5355			0.0500	2.0		30.0			
Acetophenone	1.9390	1.8457	1.7846	1.7527	1.7772	Ave		1.8198			0.0500	4.1		30.0			
N-Nitrosodi-n-propylamine	0.9112	0.8800	0.8531	0.8603	0.8488	Ave		0.8707			0.0500	2.9		30.0			
3 & 4 Methylphenol	1.4059	1.3241	1.2820	1.2547	1.2148	Ave		1.2963			0.0500	5.6		30.0			
4-Methylphenol	1.4059	1.3241	1.2820	1.2547	1.2148	Ave		1.2963			0.0500	5.6		30.0			
Hexachloroethane	0.6487	0.6202	0.6398	0.6324	0.6260	Ave		0.6334			0.0500	1.8		30.0			
Nitrobenzene	0.5101	0.5470	0.5723	0.5484	0.5384	Ave		0.5433			0.0500	4.1		30.0			
n,n'-Dimethylaniline	1.6197	2.0124	2.0532	2.0149	2.0298	Ave		1.9460			0.0500	9.4		30.0			
Isophorone	0.6472	0.6174	0.6377	0.5948	0.5980	Ave		0.6190			0.0500	3.8		30.0			
2-Nitrophenol	0.2044	0.1933	0.1978	0.1954	0.2003	Ave		0.1983			0.0500	2.2		30.0			
2,4-Dimethylphenol	0.3226	0.3101	0.2999	0.2974	0.2962	Ave		0.3053			0.0500	3.7		30.0			
Bis(2-chloroethoxy)methane	0.3925	0.3729	0.3905	0.3805	0.3795	Ave		0.3832			0.0500	2.1		30.0			
2,4-Dichlorophenol	0.2748	0.2666	0.2675	0.2631	0.2671	Ave		0.2678			0.0500	1.6		30.0			
1,2,4-Trichlorobenzene	0.3293	0.3048	0.3171	0.3162	0.3192	Ave		0.3173			0.0500	2.7		30.0			
Naphthalene	1.0664	1.0447	1.1261	1.1226	1.1333	Ave		1.0986			0.0500	3.7		30.0			
4-Chloroaniline	0.3939	0.3772	0.3965	0.3802	0.3768	Ave		0.3849			0.0500	2.5		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87600

SDG No.: _____

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2011 10:59 Calibration End Date: 09/26/2011 12:50 Calibration ID: 12425

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.1996	0.1872	0.1928	0.1927	0.1919	Ave		0.1928			0.0500	2.3		30.0			
Caprolactam	0.0906	0.0833	0.0787	0.0742	0.0790	Ave		0.0812			0.0500	7.6		30.0			
4-Chloro-3-methylphenol	0.2898	0.2775	0.2863	0.2660	0.2651	Ave		0.2770			0.0500	4.1		30.0			
2-Methylnaphthalene	0.6492	0.6200	0.6701	0.6607	0.6672	Ave		0.6534			0.0500	3.1		30.0			
1-Methylnaphthalene	0.6661	0.6568	0.6808	0.6746	0.6755	Ave		0.6708			0.0500	1.4		30.0			
Hexachlorocyclopentadiene	0.3022	0.3366	0.3714	0.3675	0.3661	Ave		0.3488			0.0500	8.5		30.0			
2,4,6-Trichlorophenol	0.3762	0.3654	0.3662	0.3673	0.3776	Ave		0.3705			0.0500	1.6		30.0			
2,4,5-Trichlorophenol	0.3920	0.3824	0.3768	0.3620	0.3761	Ave		0.3779			0.0500	2.9		30.0			
1,1'-Biphenyl	1.6904	1.6491	1.7012	1.7635	1.7056	Ave		1.7020			0.0500	2.4		30.0			
2-Chloronaphthalene	1.1849	1.1621	1.2184	1.2362	1.2130	Ave		1.2029			0.0500	2.4		30.0			
Phenyl ether	0.8454	0.8222	0.8660	0.8733	0.8647	Ave		0.8543			0.0500	2.4		30.0			
2-Nitroaniline	0.4342	0.4507	0.4009	0.3648	0.3626	Ave		0.3986			0.0500	11.4		30.0			
Dimethyl phthalate	1.2310	1.1643	1.2227	1.2136	1.2062	Ave		1.2076			0.0500	2.1		30.0			
Coumarin	0.2013	0.1864	0.1933	0.1834	0.1899	Ave		0.1908			0.0500	3.6		30.0			
2,6-Dinitrotoluene	0.2708	0.2686	0.2828	0.2799	0.2781	Ave		0.2760			0.0500	2.2		30.0			
Acenaphthylene	1.9214	1.8514	1.9374	1.8930	1.8729	Ave		1.8952			0.0500	1.8		30.0			
3-Nitroaniline	0.3024	0.2819	0.3058	0.2906	0.2895	Ave		0.2940			0.0500	3.3		30.0			
Acenaphthene	1.1174	1.1178	1.1835	1.2274	1.1957	Ave		1.1684			0.0500	4.2		30.0			
2,4-Dinitrophenol	0.1077	0.1335	0.1477	0.1546	0.1573	Ave		0.1402			0.0500	14.5		30.0			
4-Nitrophenol	0.2381	0.2237	0.2366	0.2235	0.2274	Ave		0.2299			0.0500	3.1		30.0			
Dibenzofuran	1.5358	1.5166	1.6081	1.6261	1.5929	Ave		1.5759			0.0500	3.0		30.0			
2,4-Dinitrotoluene	0.3646	0.3387	0.3588	0.3516	0.3474	Ave		0.3522			0.0500	2.9		30.0			
Diethyl phthalate	1.2871	1.1925	1.2475	1.2353	1.2123	Ave		1.2349			0.0500	2.9		30.0			
Fluorene	1.2272	1.2085	1.3294	1.3113	1.2870	Ave		1.2727			0.0500	4.1		30.0			
4-Chlorophenyl phenyl ether	0.5834	0.5467	0.5797	0.5995	0.5879	Ave		0.5795			0.0500	3.4		30.0			
4-Nitroaniline	0.2834	0.2474	0.2464	0.2364	0.2322	Ave		0.2492			0.0500	8.1		30.0			
4,6-Dinitro-2-methylphenol	0.1125	0.1303	0.1339	0.1354	0.1413	Ave		0.1307			0.0500	8.3		30.0			
N-Nitrosodiphenylamine	0.6319	0.5616	0.6212	0.6295	0.6451	Ave		0.6179			0.0500	5.3		30.0			
1,2-Diphenylhydrazine	0.9108	1.1108	1.1642	1.1441	1.2370	Ave		1.1134			0.0500	11.0		30.0			
4-Bromophenyl phenyl ether	0.2348	0.2363	0.2457	0.2505	0.2589	Ave		0.2452			0.0500	4.1		30.0			
Hexachlorobenzene	0.2542	0.2594	0.2675	0.2708	0.2776	Ave		0.2659			0.0500	3.5		30.0			
Atrazine	0.2190	0.2106	0.1994	0.1989	0.1989	Ave		0.2035			0.0500	5.6		30.0			
Pentachlorophenol	0.1254	0.1423	0.1429	0.1485	0.1510	Ave		0.1420			0.0500	7.0		30.0			
Phenanthrene	1.1272	1.1268	1.1920	1.1640	1.1941	Ave		1.1608			0.0500	2.8		30.0			
Anthracene	1.1399	1.1467	1.2016	1.1828	1.2074	Ave		1.1757			0.0500	2.6		30.0			
Carbazole	0.9819	0.9200	0.9649	0.9392	0.9394	Ave		0.9491			0.0500	2.6		30.0			
Di-n-butyl phthalate	1.2863	1.2726	1.2976	1.3211	1.3015	Ave		1.2958			0.0500	1.4		30.0			
Fluoranthene	0.9844	0.9507	0.9854	0.9829	0.9498	Ave		0.9706			0.0500	1.9		30.0			
Benzidine	0.1384	0.1932	0.1352	0.0459	0.0318	Ave		0.1089			0.0500	62.6	*	30.0			
Pyrene	1.6278	1.5608	1.7755	1.6817	1.8168	Ave		1.6925			0.0500	6.2		30.0			
Butyl benzyl phthalate	0.7615	0.7432	0.7810	0.7914	0.7951	Ave		0.7744			0.0500	2.8		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87600

SDG No.: _____

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2011 10:59 Calibration End Date: 09/26/2011 12:50 Calibration ID: 12425

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3,3'-Dichlorobenzidine	0.3925	0.3415	0.3709	0.3195	0.3040	Ave		0.3457			0.0500	10.5		30.0			
Benzo[a]anthracene	1.4861	1.1481	1.1902	1.1771	1.2109	Ave		1.2425			0.0500	11.1		30.0			
Chrysene	1.1314	1.1052	1.1670	1.1183	1.0665	Ave		1.1177			0.0500	3.3		30.0			
Bis(2-ethylhexyl) phthalate	0.9794	1.0085	1.0243	1.0924	1.0864	Ave		1.0382			0.0500	4.8		30.0			
Di-n-octyl phthalate	1.8507	1.9753	2.0490	2.1180	2.0796	Ave		2.0145			0.0500	5.2		30.0			
Benzo[b]fluoranthene	1.1775	1.1155	1.2080	1.2235	1.2248	Ave		1.1898			0.0500	3.8		30.0			
Benzo[k]fluoranthene	1.3493	1.3208	1.3690	1.3267	1.2964	Ave		1.3324			0.0500	2.1		30.0			
Benzo[a]pyrene	0.9450	0.9237	0.9944	0.9862	0.9902	Ave		0.9679			0.0500	3.3		30.0			
Indeno[1,2,3-cd]pyrene	0.6580	0.7200	0.8472	0.8861	0.8810	Ave		0.7985			0.0500	12.9		30.0			
Dibenz(a,h)anthracene	0.6840	0.7993	0.8818	0.8933	0.9075	Ave		0.8332			0.0500	11.2		30.0			
Benzo[g,h,i]perylene	0.7528	0.8062	0.8781	0.9090	0.9067	Ave		0.8506			0.0500	8.1		30.0			
2-Fluorophenol (Surr)	1.3983	1.4684	1.3544	1.2557	1.2835	Ave		1.3521			0.0500	6.4		30.0			
Phenol-d5 (Surr)	1.6709	1.6837	1.5915	1.5279	1.5908	Ave		1.6130			0.0500	4.0		30.0			
Nitrobenzene-d5 (Surr)	0.4093	0.4186	0.4168	0.4030	0.4024	Ave		0.4100			0.0500	1.8		30.0			
2-Fluorobiphenyl	1.3716	1.4461	1.4446	1.4758	1.4581	Ave		1.4393			0.0500	2.8		30.0			
2,4,6-Tribromophenol (Surr)	0.1866	0.1845	0.1879	0.1866	0.1845	Ave		0.1860			0.0500	0.8		30.0			
Terphenyl-d14 (Surr)	1.1148	1.1601	1.2296	1.2292	1.2846	Ave		1.2037			0.0500	5.5		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87600

SDG No.: _____

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2011 10:59 Calibration End Date: 09/26/2011 12:50 Calibration ID: 12425

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87600/4	z10240.d
Level 2	IC 460-87600/6	z10242.d
Level 3	ICIS 460-87600/2	z10238.d
Level 4	IC 460-87600/5	z10241.d
Level 5	IC 460-87600/3	z10239.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	39549	146923	390611	575682	886164	5.00	20.0	50.0	80.0	120
N-Nitrosodimethylamine	DCB	Ave	49966	192276	502922	731326	1142855	5.00	20.0	50.0	80.0	120
Pyridine	DCB	Ave	93008	357490	909691	1280897	2013239	5.00	20.0	50.0	80.0	120
2,3,7,8-TCDD	CRY	Ave	+++++	+++++	1236	+++++	+++++	+++++	+++++	0.500	+++++	+++++
Benzaldehyde	DCB	Ave	60180	108891	386648	163193	62278	5.00	20.0	50.0	80.0	120
Aniline	DCB	Ave	119397	449234	1175174	1641906	2428713	5.00	20.0	50.0	80.0	120
Phenol	DCB	Ave	117001	406795	996279	1450023	2386994	5.00	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	7776	299892	799990	1166160	2036322	0.500	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	91266	330506	814279	1170003	1826753	5.00	20.0	50.0	80.0	120
n-Decane	DCB	Ave	85265	313830	761927	1061101	1615879	5.00	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	96901	360605	968107	1445653	2308014	5.00	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	97227	366504	992858	1463380	2343818	5.00	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	45178	183784	417441	699204	1059687	5.00	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	91131	339331	900275	1370485	2161379	5.00	20.0	50.0	80.0	120
2,2'-oxybis[1-chloropropane]	DCB	Ave	98302	337918	842548	1150285	1743351	5.00	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	74829	267751	678928	974961	1549068	5.00	20.0	50.0	80.0	120
o-Toluidine	DCB	Ave	93078	357891	914658	1312826	2172787	5.00	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	116638	425685	1060956	1551924	2479860	5.00	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	5481	202965	507137	761761	1184362	0.500	20.0	50.0	80.0	120
3 & 4 Methylphenol	DCB	Ave	84569	305369	762147	1110988	1695077	5.00	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	84569	305369	762147	1110988	1695077	5.00	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	3902	143034	380349	559925	873482	0.500	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	11214	451006	1170215	1671209	2577331	0.500	20.0	50.0	80.0	120
n,n'-Dimethylaniline	DCB	Ave	9743	464131	1220635	1784095	2832313	0.500	20.0	50.0	80.0	120
Isophorone	NPT	Ave	142272	508998	1303849	1812615	2862375	5.00	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	44932	159377	404531	595639	958997	5.00	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	70927	255648	613204	906400	1417926	5.00	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	86283	307431	798546	1159706	1816763	5.00	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	60414	219774	546982	801792	1278402	5.00	20.0	50.0	80.0	120
1,2,4-Trichlorobenzene	NPT	Ave	7238	251330	648381	963773	1527825	0.500	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	234424	861322	2302597	3421328	5424793	5.00	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	86585	311012	810662	1158732	1803635	5.00	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	8776	154376	394244	587162	918416	1.00	20.0	50.0	80.0	120
Caprolactam	NPT	Ave	19913	68689	160918	226248	378384	5.00	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87600

SDG No.: _____

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2011 10:59 Calibration End Date: 09/26/2011 12:50 Calibration ID: 12425

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	63707	228816	585478	810513	1269108	5.00	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	142721	511123	1370247	2013641	3193526	5.00	20.0	50.0	80.0	120
1-Methylnaphthalene	NPT	Ave	146432	541525	1392127	2055962	3233479	5.00	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	31840	127692	349824	499374	805045	5.00	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	39632	138594	344883	499099	830378	5.00	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	41299	145067	354838	491883	827164	5.00	20.0	50.0	80.0	120
1,1'-Biphenyl	ANT	Ave	178086	625550	1602236	2396190	3750742	5.00	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	124829	440816	1147544	1679713	2667503	5.00	20.0	50.0	80.0	120
Phenyl ether	ANT	Ave	89063	311896	815637	1186617	1901546	5.00	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	91479	170980	377608	495621	753333	10.0	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	129684	441674	1151562	1649066	2652428	5.00	20.0	50.0	80.0	120
Coumarin	NPT	Ave	44255	153636	395231	558775	908943	5.00	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	5706	101888	266315	380257	611619	1.00	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	202418	702295	1824701	2572159	4118590	5.00	20.0	50.0	80.0	120
3-Nitroaniline	ANT	Ave	63711	106940	288040	394873	636630	10.0	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	117719	424019	1114642	1667752	2629491	5.00	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Ave	34052	75970	139126	210038	346000	15.0	30.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	75240	127312	222878	303627	500069	15.0	30.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	161802	575294	1514564	2209510	3502965	5.00	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	7682	128478	337958	477790	763995	1.00	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	135596	452350	1174906	1678563	2665938	5.00	20.0	50.0	80.0	120
Fluorene	ANT	Ave	129285	458420	1252081	1781829	2830301	5.00	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	61463	207393	545960	814577	1292901	5.00	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	59715	93830	232065	321240	510687	10.0	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Ave	50149	96922	167633	242376	391409	15.0	30.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	93882	278497	777713	1127131	1787644	5.00	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	PHN	Ave	135309	550877	1457562	2048547	3427846	5.00	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	34880	117201	307620	448473	717403	5.00	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	3777	128666	334910	484806	769184	0.500	20.0	50.0	80.0	120
Atrazine	PHN	Ave	32541	104433	249635	356221	525844	5.00	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Ave	55883	105887	178933	265821	418541	15.0	30.0	50.0	80.0	120
Phenanthrene	PHN	Ave	167466	558802	1492294	2084154	3308767	5.00	20.0	50.0	80.0	120
Anthracene	PHN	Ave	169348	568674	1504332	2117856	3345786	5.00	20.0	50.0	80.0	120
Carbazole	PHN	Ave	145870	456260	1208057	1681676	2603125	5.00	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	191104	631093	1624505	2365459	3606495	5.00	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	146240	471488	1233704	1759867	2631857	5.00	20.0	50.0	80.0	120
Benzidine	PHN	Ave	41134	143696	169235	82227	88101	10.0	30.0	50.0	80.0	120
Pyrene	CRY	Ave	145925	457501	1192748	1690783	2525196	5.00	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	68264	217855	524634	795690	1105141	5.00	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	70373	150156	249153	321234	422534	10.0	30.0	50.0	80.0	120
Benzo[a]anthracene	CRY	Ave	13322	336541	799553	1183448	1683048	0.500	20.0	50.0	80.0	120
Chrysene	CRY	Ave	101423	323952	783958	1124321	1482361	5.00	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	87793	295605	688118	1098280	1510080	5.00	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87600

SDG No.: _____

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2011 10:59 Calibration End Date: 09/26/2011 12:50 Calibration ID: 12425

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Di-n-octyl phthalate	PRY	Ave	124738	417956	940721	1485433	1981094	5.00	20.0	50.0	80.0	120
Benzo[b]fluoranthene	PRY	Ave	7936	236027	554622	858074	1166787	0.500	20.0	50.0	80.0	120
Benzo[k]fluoranthene	PRY	Ave	9094	279479	628548	930503	1234983	0.500	20.0	50.0	80.0	120
Benzo[a]pyrene	PRY	Ave	6369	195442	456563	691674	943301	0.500	20.0	50.0	80.0	120
Indeno[1,2,3-cd]pyrene	PRY	Ave	4435	152350	388966	621458	839304	0.500	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	4610	169124	404858	626513	864546	0.500	20.0	50.0	80.0	120
Benzo[g,h,i]perylene	PRY	Ave	50736	170589	403162	637516	863808	5.00	20.0	50.0	80.0	120
2-Fluorophenol (Surr)	DCB	Ave	84110	338660	805209	1111873	1790945	5.00	20.0	50.0	80.0	120
Phenol-d5 (Surr)	DCB	Ave	100512	388322	946152	1352900	2219747	5.00	20.0	50.0	80.0	120
Nitrobenzene-d5 (Surr)	NPT	Ave	89981	345097	852177	1228125	1925980	5.00	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	144501	548566	1360567	2005235	3206524	5.00	20.0	50.0	80.0	120
2,4,6-Tribromophenol (Surr)	ANT	Ave	19659	69969	176947	253515	405740	5.00	20.0	50.0	80.0	120
Terphenyl-d14 (Surr)	CRY	Ave	99930	340060	826057	1235832	1785502	5.00	20.0	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10238.d
 Report Date: 26-Sep-2011 14:36

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10238.d
 Lab Smp Id: ICIS-1143618
 Inj Date : 26-SEP-2011 10:59
 Operator : BNAMS 4
 Smp Info : ICIS-1143618
 Misc Info : 50 ppm bna 4587
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/8270Cdel_08.m
 Meth Date : 26-Sep-2011 14:36 monica
 Cal Date : 26-SEP-2011 10:59
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i

Quant Type: ISTD

Cal File: z10238.d

Calibration Sample, Level: 3

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.246	1.246 (0.329)	390611	50.0000	50		
19 N-Nitrosodimethylamine	74	1.452	1.452 (0.384)	502922	50.0000	50		
71 Pyridine	79	1.469	1.469 (0.389)	909691	50.0000	50		
\$ 16 2-Fluorophenol (SUR)	112	2.522	2.522 (0.667)	805209	50.0000	50		
110 Benzaldehyde	77	3.334	3.334 (0.882)	386648	50.0000	50		
\$ 17 Phenol-d5 (SUR)	99	3.451	3.451 (0.913)	946152	50.0000	50		
1 Phenol	94	3.469	3.469 (0.918)	996279	50.0000	50		
73 Aniline	93	3.451	3.451 (0.913)	1175174	50.0000	50		
20 bis(2-Chloroethyl)ether	93	3.528	3.528 (0.933)	799990	50.0000	50		
2 2-Chlorophenol	128	3.581	3.581 (0.947)	814279	50.0000	50		
113 n-decane	43	3.646	3.646 (0.964)	761927	50.0000	50		
21 1,3-Dichlorobenzene	146	3.728	3.728 (0.986)	968107	50.0000	50		
* 79 1,4-Dichlorobenzene-d4	152	3.781	3.781 (1.000)	475597	40.0000			
22 1,4-Dichlorobenzene	146	3.798	3.798 (1.005)	992858	50.0000	50		
74 Benzyl Alcohol	108	3.946	3.946 (1.044)	417441	50.0000	50		

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10238.d
 Report Date: 26-Sep-2011 14:36

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.951	3.951	(1.045)	900275	50.0000	50
3 2-Methylphenol	108	4.081	4.081	(1.079)	678928	50.0000	50
24 bis (2-chloroisopropyl) ether	45	4.081	4.081	(1.079)	842548	50.0000	50
122 o-Toluidine	107	4.198	4.198	(1.110)	914658	50.0000	50
104 Acetophenone	105	4.210	4.210	(1.114)	1060956	50.0000	50
4 4-Methylphenol	108	4.240	4.240	(1.121)	762147	50.0000	50
121 3 & 4 Methylphenol	108	4.240	4.240	(1.121)	762147	50.0000	50
25 N-Nitroso-di-n-propylamine	70	4.228	4.228	(1.118)	507137	50.0000	50(H)
26 Hexachloroethane	117	4.298	4.298	(1.137)	380349	50.0000	50
\$ 76 Nitrobenzene-d5 (SUR)	82	4.357	4.357	(0.859)	852177	50.0000	50
107 N,N-Dimethylaniline	120	4.387	4.387	(1.160)	1220635	50.0000	50
27 Nitrobenzene	77	4.381	4.381	(0.863)	1170215	50.0000	50
28 Isophorone	82	4.628	4.628	(0.912)	1303849	50.0000	50
5 2-Nitrophenol	139	4.698	4.698	(0.926)	404531	50.0000	50
6 2,4-Dimethylphenol	122	4.775	4.775	(0.941)	613204	50.0000	50
29 bis(2-Chloroethoxy)methane	93	4.857	4.857	(0.957)	798546	50.0000	50
7 2,4-Dichlorophenol	162	4.951	4.951	(0.976)	546982	50.0000	50
30 1,2,4-Trichlorobenzene	180	5.028	5.028	(0.991)	648381	50.0000	50
* 80 Naphthalene-d8	136	5.075	5.075	(1.000)	1635812	40.0000	
31 Naphthalene	128	5.098	5.098	(1.005)	2302597	50.0000	50
32 4-Chloroaniline	127	5.163	5.163	(1.017)	810662	50.0000	50
33 Hexachlorobutadiene	225	5.240	5.240	(1.032)	394244	50.0000	50
111 Caprolactam	113	5.551	5.551	(1.094)	160918	50.0000	50
8 4-Chloro-3-methylphenol	107	5.687	5.687	(1.121)	585478	50.0000	50
34 2-Methylnaphthalene	142	5.792	5.792	(1.141)	1370247	50.0000	50
120 1-Methylnaphthalene	142	5.892	5.892	(1.161)	1392127	50.0000	50
35 Hexachlorocyclopentadiene	237	5.963	5.963	(0.874)	349824	50.0000	50
9 2,4,6-Trichlorophenol	196	6.092	6.092	(0.893)	344883	50.0000	50
10 2,4,5-Trichlorophenol	196	6.134	6.134	(0.899)	354838	50.0000	50
\$ 77 2-Fluorobiphenyl (SUR)	172	6.169	6.169	(0.904)	1360567	50.0000	50
102 Diphenyl	154	6.263	6.263	(0.918)	1602236	50.0000	50
36 2-Chloronaphthalene	162	6.275	6.275	(0.920)	1147544	50.0000	50
103 Diphenyl Ether	170	6.369	6.369	(0.934)	815637	50.0000	50
37 2-Nitroaniline	65	6.392	6.392	(0.937)	377608	50.0000	50
38 Dimethylphthalate	163	6.586	6.586	(0.966)	1151562	50.0000	50
114 Coumarin	146	6.592	6.592	(1.299)	395231	50.0000	50
40 2,6-Dinitrotoluene	165	6.639	6.639	(0.973)	266315	50.0000	50
39 Acenaphthylene	152	6.681	6.681	(0.979)	1824701	50.0000	50
41 3-Nitroaniline	138	6.798	6.798	(0.997)	288040	50.0000	50
* 82 Acenaphthene-d10	164	6.822	6.822	(1.000)	753456	40.0000	
42 Acenaphthene	154	6.857	6.857	(1.005)	1114642	50.0000	50
11 2,4-Dinitrophenol	184	6.904	6.904	(1.012)	139126	50.0000	50
12 4-Nitrophenol	65	6.998	6.998	(1.026)	222878	50.0000	50
44 2,4-Dinitrotoluene	165	7.034	7.034	(1.031)	337958	50.0000	50
43 Dibenzofuran	168	7.028	7.028	(1.030)	1514564	50.0000	50
45 Diethylphthalate	149	7.281	7.281	(1.067)	1174906	50.0000	50
46 4-Chlorophenyl-phenylether	204	7.369	7.369	(1.080)	545960	50.0000	50

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10238.d
Report Date: 26-Sep-2011 14:36

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
47 Fluorene	166	7.363	7.363	(1.079)	1252081	50.0000	50
48 4-Nitroaniline	138	7.404	7.404	(1.085)	232065	50.0000	50
13 4,6-Dinitro-2-methylphenol	198	7.434	7.434	(0.899)	167633	50.0000	50
49 N-Nitrosodiphenylamine	169	7.492	7.492	(0.906)	777713	50.0000	50
75 1,2-Diphenylhydrazine	77	7.528	7.528	(0.910)	1457562	50.0000	50
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.598	7.598	(1.114)	176947	50.0000	50
50 4-Bromophenyl-phenylether	248	7.845	7.845	(0.949)	307620	50.0000	50
51 Hexachlorobenzene	284	7.904	7.904	(0.956)	334910	50.0000	50
112 Atrazine	200	8.028	8.028	(0.971)	249635	50.0000	50
14 Pentachlorophenol	266	8.104	8.104	(0.980)	178933	50.0000	50
* 83 Phenanthrene-d10	188	8.269	8.269	(1.000)	1001558	40.0000	
52 Phenanthrene	178	8.298	8.298	(1.004)	1492294	50.0000	50
53 Anthracene	178	8.345	8.345	(1.009)	1504332	50.0000	50
54 Carbazole	167	8.510	8.510	(1.029)	1208057	50.0000	50
55 Di-n-butylphthalate	149	8.875	8.875	(1.073)	1624505	50.0000	50
56 Fluoranthene	202	9.451	9.451	(1.143)	1233704	50.0000	50
58 Benzidine	184	9.592	9.592	(1.160)	169235	50.0000	50
57 Pyrene	202	9.669	9.669	(0.886)	1192748	50.0000	50
\$ 78 Terphenyl-d14	244	9.839	9.839	(0.902)	826057	50.0000	50
59 Butylbenzylphthalate	149	10.339	10.339	(0.948)	524634	50.0000	50
109 2,3,7,8-TCDD (Screen)	320	10.416	10.416	(0.955)	1236	0.50000	0.50
60 3,3'-Dichlorobenzidine	252	10.886	10.886	(0.998)	249153	50.0000	50
61 Benzo(a)anthracene	228	10.898	10.898	(0.999)	799553	50.0000	50
* 81 Chrysene-d12	240	10.910	10.910	(1.000)	537430	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.974	10.974	(1.006)	688118	50.0000	50
62 Chrysene	228	10.939	10.939	(1.003)	783958	50.0000	50
64 Di-n-octylphthalate	149	11.757	11.757	(0.928)	940721	50.0000	50
65 Benzo(b)fluoranthene	252	12.186	12.186	(0.962)	554622	50.0000	50
66 Benzo(k)fluoranthene	252	12.216	12.216	(0.965)	628548	50.0000	50
67 Benzo(a)pyrene	252	12.592	12.592	(0.994)	456563	50.0000	50
* 84 Perylene-d12	264	12.663	12.663	(1.000)	367293	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.033	14.033	(1.108)	388966	50.0000	50
69 Dibenz(a,h)anthracene	278	14.068	14.068	(1.111)	404858	50.0000	50
70 Benzo(g,h,i)perylene	276	14.374	14.374	(1.135)	403162	50.0000	50

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: z10238.d

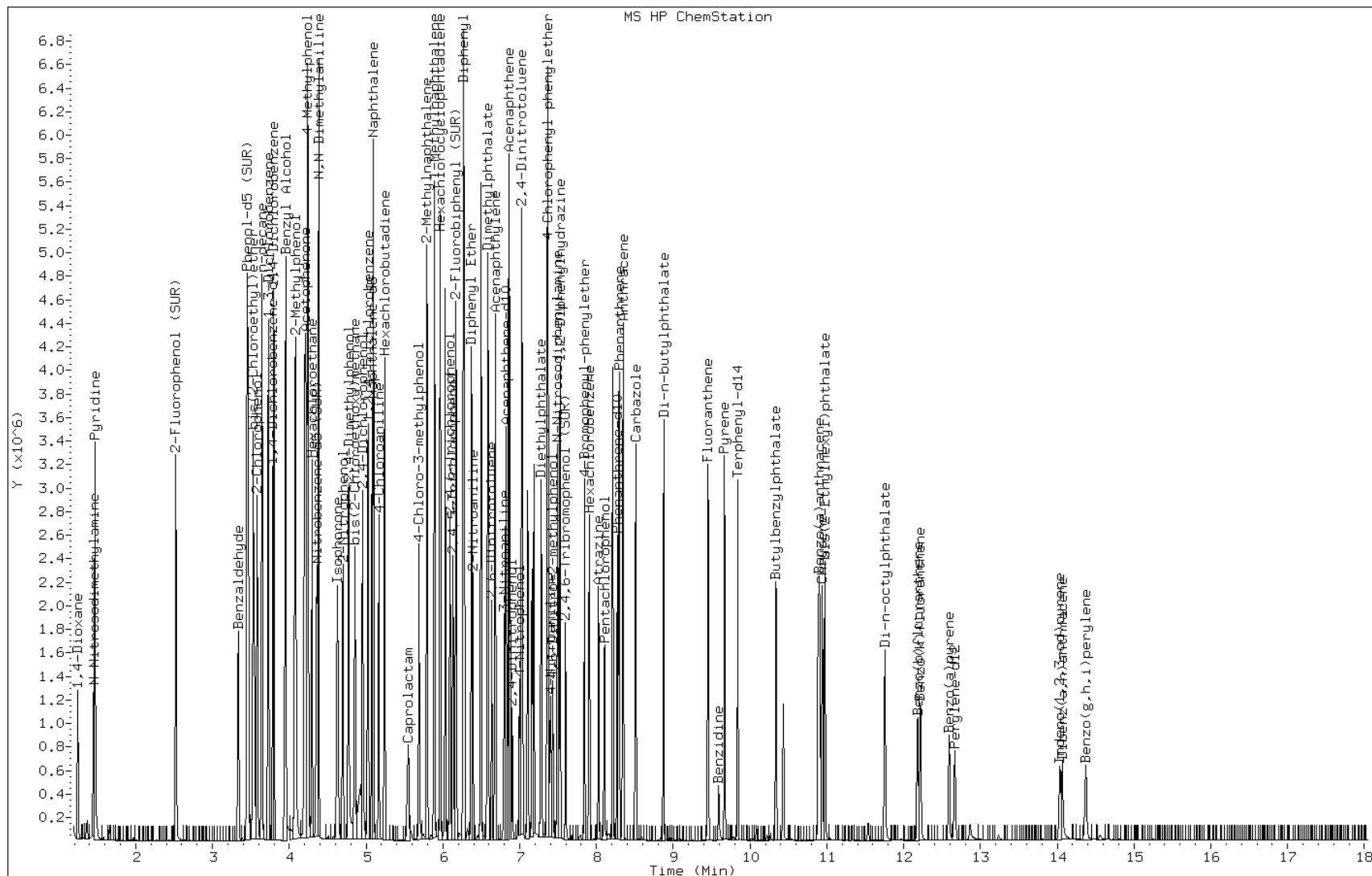
Date: 26-SEP-2011 10:59

Client ID:

Instrument: BNAMS11.i

Sample Info: ICIS-1143618

Operator: BNAMS 4



Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10239.d
 Report Date: 26-Sep-2011 14:48

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10239.d
 Lab Smp Id: IC-1143620
 Inj Date : 26-SEP-2011 11:35
 Operator : BNAMS 4
 Smp Info : IC-1143620
 Misc Info : 120 ppm bna4587
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/8270Cdel_08.m
 Meth Date : 26-Sep-2011 14:48 monica
 Cal Date : 26-SEP-2011 10:59
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i

Quant Type: ISTD

Cal File: z10238.d

Calibration Sample, Level: 5

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.316	1.316 (0.347)		886164	120.000	120(H)
19 N-Nitrosodimethylamine		74	1.557	1.557 (0.411)		1142855	120.000	120(H)
71 Pyridine		79	1.581	1.581 (0.417)		2013239	120.000	110(H)
\$ 16 2-Fluorophenol (SUR)		112	2.575	2.575 (0.679)		1790945	120.000	110
110 Benzaldehyde		77	3.351	3.351 (0.884)		62278	120.000	9.5
\$ 17 Phenol-d5 (SUR)		99	3.487	3.487 (0.919)		2219747	120.000	120
1 Phenol		94	3.498	3.498 (0.922)		2386994	120.000	120
73 Aniline		93	3.475	3.475 (0.916)		2428713	120.000	110
20 bis(2-Chloroethyl)ether		93	3.557	3.557 (0.938)		2036322	120.000	130(A)
2 2-Chlorophenol		128	3.604	3.604 (0.950)		1826753	120.000	110
113 n-decane		43	3.657	3.657 (0.964)		1615879	120.000	110
21 1,3-Dichlorobenzene		146	3.745	3.745 (0.988)		2308014	120.000	120(A)
* 79 1,4-Dichlorobenzene-d4		152	3.792	3.792 (1.000)		465129	40.0000	
22 1,4-Dichlorobenzene		146	3.816	3.816 (1.006)		2343818	120.000	120(A)
74 Benzyl Alcohol		108	3.969	3.969 (1.047)		1059687	120.000	120(A)

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10239.d
 Report Date: 26-Sep-2011 14:48

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.963	3.963	(1.045)	2161379	120.000	120(A)
3 2-Methylphenol	108	4.098	4.098	(1.081)	1549068	120.000	110
24 bis (2-chloroisopropyl) ether	45	4.087	4.087	(1.078)	1743351	120.000	100
122 o-Toluidine	107	4.210	4.210	(1.110)	2172787	120.000	120(A)
104 Acetophenone	105	4.234	4.234	(1.116)	2479860	120.000	120
4 4-Methylphenol	108	4.269	4.269	(1.126)	1695077	120.000	110
121 3 & 4 Methylphenol	108	4.269	4.269	(1.126)	1695077	120.000	110
25 N-Nitroso-di-n-propylamine	70	4.251	4.251	(1.121)	1184362	120.000	120(M)
26 Hexachloroethane	117	4.304	4.304	(1.135)	873482	120.000	120
\$ 76 Nitrobenzene-d5 (SUR)	82	4.381	4.381	(0.862)	1925980	120.000	120
107 N,N-Dimethylaniline	120	4.404	4.404	(1.161)	2832313	120.000	130(A)
27 Nitrobenzene	77	4.404	4.404	(0.867)	2577331	120.000	120
28 Isophorone	82	4.651	4.651	(0.915)	2862375	120.000	110
5 2-Nitrophenol	139	4.710	4.710	(0.927)	958997	120.000	120
6 2,4-Dimethylphenol	122	4.787	4.787	(0.942)	1417926	120.000	120
29 bis(2-Chloroethoxy)methane	93	4.869	4.869	(0.958)	1816763	120.000	120
7 2,4-Dichlorophenol	162	4.969	4.969	(0.978)	1278402	120.000	120
30 1,2,4-Trichlorobenzene	180	5.034	5.034	(0.991)	1527825	120.000	120
* 80 Naphthalene-d8	136	5.081	5.081	(1.000)	1595601	40.0000	
31 Naphthalene	128	5.104	5.104	(1.005)	5424793	120.000	120(A)
32 4-Chloroaniline	127	5.175	5.175	(1.019)	1803635	120.000	120
33 Hexachlorobutadiene	225	5.245	5.245	(1.032)	918416	120.000	120
111 Caprolactam	113	5.616	5.616	(1.105)	378384	120.000	110(H)
8 4-Chloro-3-methylphenol	107	5.710	5.710	(1.124)	1269108	120.000	110
34 2-Methylnaphthalene	142	5.804	5.804	(1.142)	3193526	120.000	120(A)
120 1-Methylnaphthalene	142	5.898	5.898	(1.161)	3233479	120.000	120(A)
35 Hexachlorocyclopentadiene	237	5.969	5.969	(0.874)	805045	120.000	130(A)
9 2,4,6-Trichlorophenol	196	6.104	6.104	(0.894)	830378	120.000	120(A)
10 2,4,5-Trichlorophenol	196	6.151	6.151	(0.901)	827164	120.000	120
\$ 77 2-Fluorobiphenyl (SUR)	172	6.181	6.181	(0.905)	3206524	120.000	120(A)
102 Diphenyl	154	6.275	6.275	(0.919)	3750742	120.000	120(A)
36 2-Chloronaphthalene	162	6.286	6.286	(0.921)	2667503	120.000	120(A)
103 Diphenyl Ether	170	6.381	6.381	(0.935)	1901546	120.000	120(A)
37 2-Nitroaniline	65	6.404	6.404	(0.938)	753333	120.000	100
38 Dimethylphthalate	163	6.598	6.598	(0.966)	2652428	120.000	120
114 Coumarin	146	6.610	6.610	(1.301)	908943	120.000	120
40 2,6-Dinitrotoluene	165	6.651	6.651	(0.974)	611619	120.000	120(A)
39 Acenaphthylene	152	6.692	6.692	(0.980)	4118590	120.000	120
41 3-Nitroaniline	138	6.816	6.816	(0.998)	636630	120.000	120
* 82 Acenaphthene-d10	164	6.828	6.828	(1.000)	733022	40.0000	
42 Acenaphthene	154	6.869	6.869	(1.006)	2629491	120.000	120(A)
11 2,4-Dinitrophenol	184	6.922	6.922	(1.014)	346000	120.000	140(A)
12 4-Nitrophenol	65	7.022	7.022	(1.028)	500069	120.000	120
44 2,4-Dinitrotoluene	165	7.057	7.057	(1.034)	763995	120.000	120
43 Dibenzofuran	168	7.039	7.039	(1.031)	3502965	120.000	120(A)
45 Diethylphthalate	149	7.292	7.292	(1.068)	2665938	120.000	120
46 4-Chlorophenyl-phenylether	204	7.381	7.381	(1.081)	1292901	120.000	120(A)

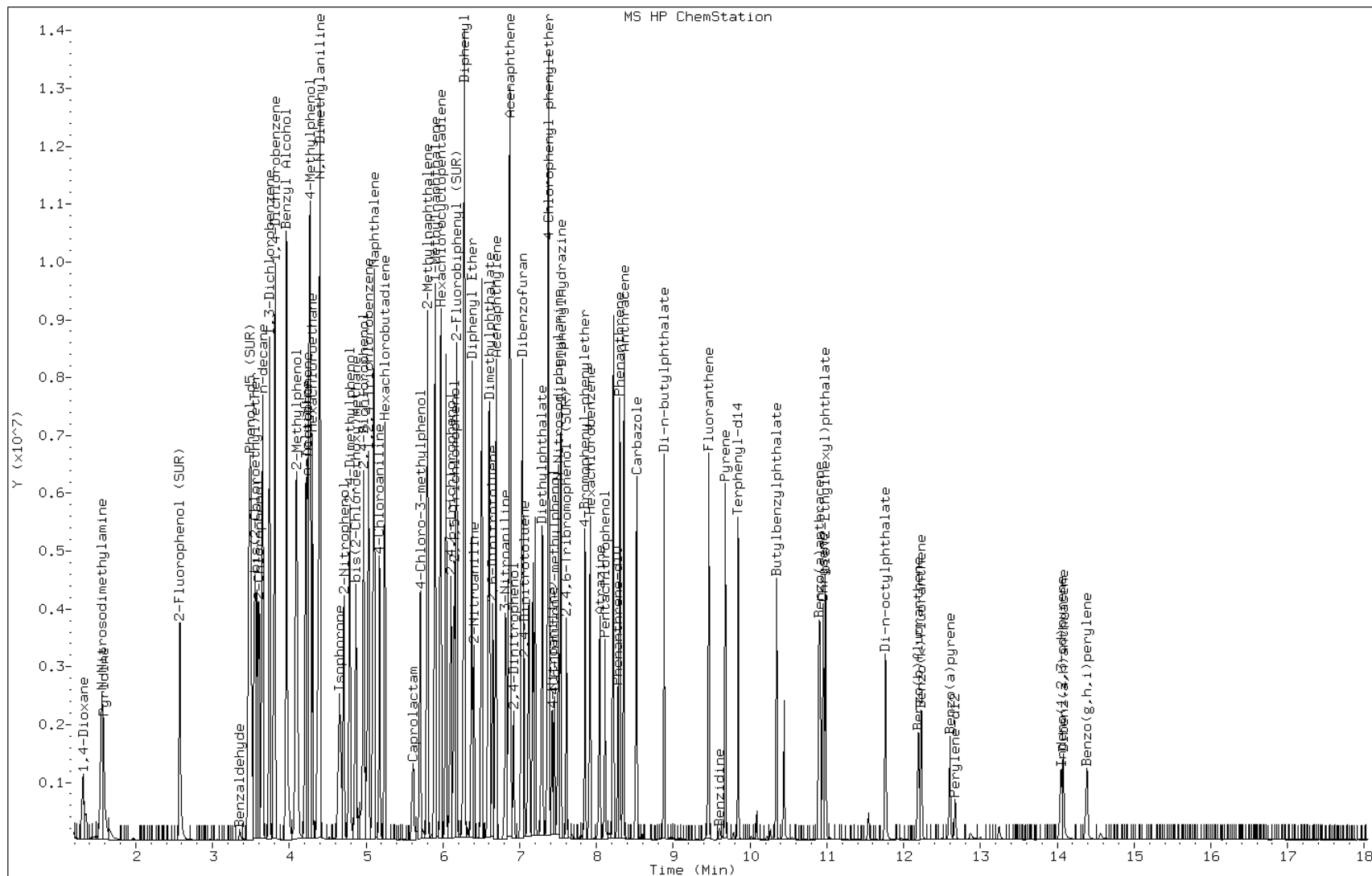
Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10239.d
Report Date: 26-Sep-2011 14:48

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
47 Fluorene	166	7.375	7.375	(1.080)	2830301	120.000	120(A)
48 4-Nitroaniline	138	7.428	7.428	(1.088)	510687	120.000	110
13 4,6-Dinitro-2-methylphenol	198	7.451	7.451	(0.900)	391409	120.000	130(A)
49 N-Nitrosodiphenylamine	169	7.504	7.504	(0.906)	1787644	120.000	120(A)
75 1,2-Diphenylhydrazine	77	7.539	7.539	(0.910)	3427846	120.000	130(A)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.610	7.610	(1.115)	405740	120.000	120
50 4-Bromophenyl-phenylether	248	7.857	7.857	(0.949)	717403	120.000	130(A)
51 Hexachlorobenzene	284	7.916	7.916	(0.956)	769184	120.000	120(A)
112 Atrazine	200	8.045	8.045	(0.972)	525844	120.000	110
14 Pentachlorophenol	266	8.110	8.110	(0.979)	418541	120.000	130(A)
* 83 Phenanthrene-d10	188	8.280	8.280	(1.000)	923671	40.0000	
52 Phenanthrene	178	8.304	8.304	(1.003)	3308767	120.000	120(A)
53 Anthracene	178	8.357	8.357	(1.009)	3345786	120.000	120(A)
54 Carbazole	167	8.522	8.522	(1.029)	2603125	120.000	120
55 Di-n-butylphthalate	149	8.880	8.880	(1.072)	3606495	120.000	120(A)
56 Fluoranthene	202	9.463	9.463	(1.143)	2631857	120.000	120
58 Benzidine	184	9.604	9.604	(1.160)	88101	120.000	37
57 Pyrene	202	9.680	9.680	(0.887)	2525196	120.000	120(A)
\$ 78 Terphenyl-d14	244	9.845	9.845	(0.902)	1785502	120.000	130(A)
59 Butylbenzylphthalate	149	10.345	10.345	(0.948)	1105141	120.000	120(A)
60 3,3'-Dichlorobenzidine	252	10.892	10.892	(0.998)	422534	120.000	100(A)
61 Benzo(a)anthracene	228	10.904	10.904	(0.999)	1683048	120.000	110
* 81 Chrysene-d12	240	10.916	10.916	(1.000)	463311	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.980	10.980	(1.006)	1510080	120.000	130(A)
62 Chrysene	228	10.951	10.951	(1.003)	1482361	120.000	110
64 Di-n-octylphthalate	149	11.763	11.763	(0.928)	1981094	120.000	120(A)
65 Benzo(b)fluoranthene	252	12.198	12.198	(0.963)	1166787	120.000	120(A)
66 Benzo(k)fluoranthene	252	12.233	12.233	(0.966)	1234983	120.000	120
67 Benzo(a)pyrene	252	12.604	12.604	(0.995)	943301	120.000	120(A)
* 84 Perylene-d12	264	12.668	12.668	(1.000)	317549	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.051	14.051	(1.109)	839304	120.000	130(A)
69 Dibenz(a,h)anthracene	278	14.080	14.080	(1.111)	864546	120.000	130(A)
70 Benzo(g,h,i)perylene	276	14.386	14.386	(1.136)	863808	120.000	130(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Operator: BNAMS 4

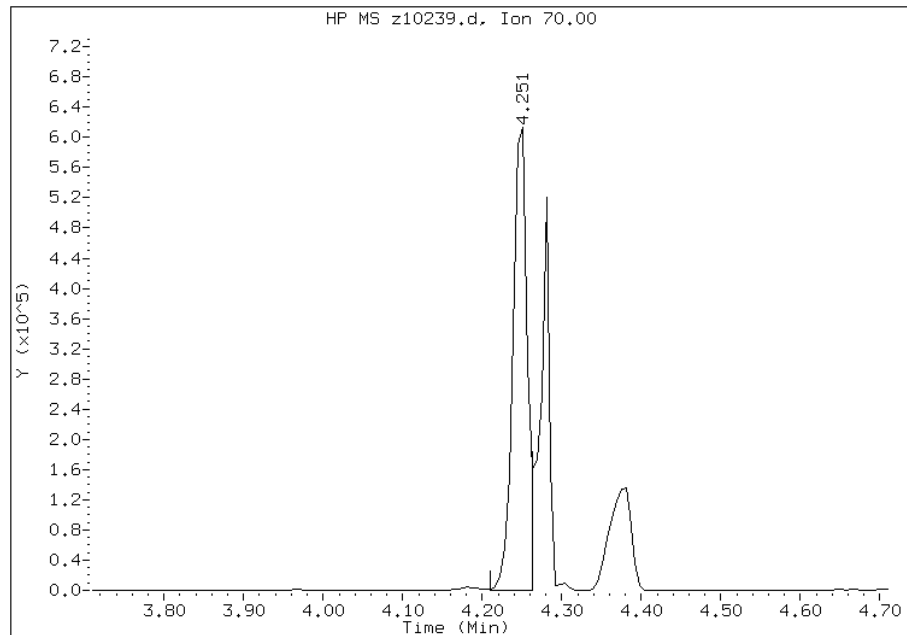


Manual Integration Report

Data File: z10239.d
Inj. Date and Time: 26-SEP-2011 11:35
Instrument ID: BNAMS11.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/28/2011

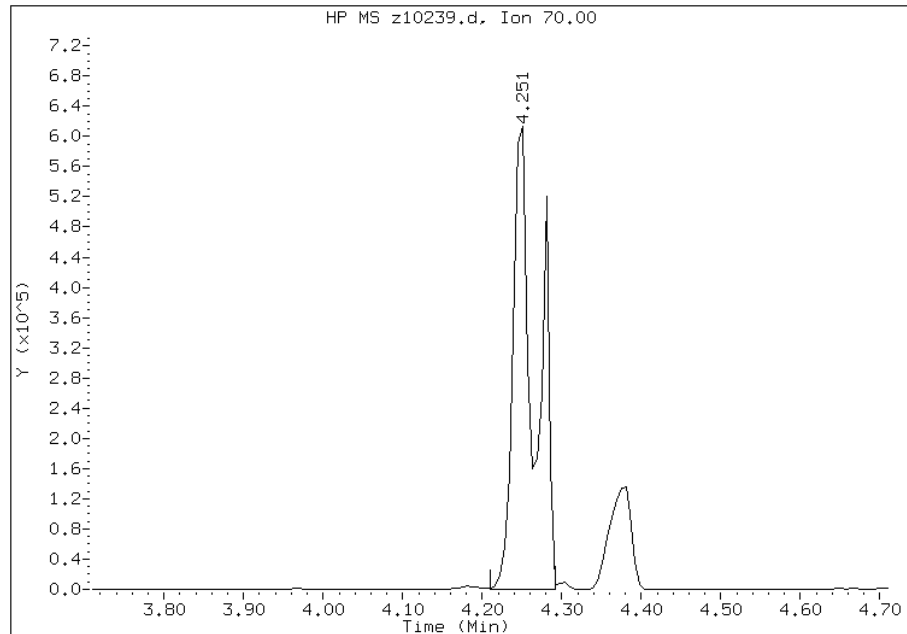
Processing Integration Results

RT: 4.25
Response: 790220
Amount: 87
Conc: 87



Manual Integration Results

RT: 4.25
Response: 1184362
Amount: 117
Conc: 117



Manually Integrated By: rusin
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10240.d
 Report Date: 26-Sep-2011 14:48

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10240.d
 Lab Smp Id: IC-1143607
 Inj Date : 26-SEP-2011 12:00
 Operator : BNAMS 4
 Smp Info : IC-1143607
 Misc Info : 5ppm bna4587
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/8270Cdel_08.m
 Meth Date : 26-Sep-2011 14:48 monica
 Cal Date : 26-SEP-2011 10:59
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i

Quant Type: ISTD

Cal File: z10238.d

Calibration Sample, Level: 1

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.258	1.258	(0.333)	39549	5.00000	5.0(H)
19 N-Nitrosodimethylamine		74	1.452	1.452	(0.384)	49966	5.00000	5.0(H)
71 Pyridine		79	1.481	1.481	(0.392)	93008	5.00000	5.1(H)
\$ 16 2-Fluorophenol (SUR)		112	2.522	2.522	(0.667)	84110	5.00000	5.2(H)
110 Benzaldehyde		77	3.328	3.328	(0.880)	60180	5.00000	8.8
\$ 17 Phenol-d5 (SUR)		99	3.434	3.434	(0.908)	100512	5.00000	5.2(H)
1 Phenol		94	3.446	3.446	(0.911)	117001	5.00000	5.5
73 Aniline		93	3.446	3.446	(0.911)	119397	5.00000	5.2
20 bis(2-Chloroethyl)ether		93	3.516	3.516	(0.930)	7776	0.50000	0.47(aH)
2 2-Chlorophenol		128	3.569	3.569	(0.944)	91266	5.00000	5.4
113 n-decane		43	3.640	3.640	(0.963)	85265	5.00000	5.5
21 1,3-Dichlorobenzene		146	3.722	3.722	(0.984)	96901	5.00000	4.9(a)
* 79 1,4-Dichlorobenzene-d4		152	3.781	3.781	(1.000)	481230	40.0000	
22 1,4-Dichlorobenzene		146	3.793	3.793	(1.003)	97227	5.00000	4.9(a)
74 Benzyl Alcohol		108	3.928	3.928	(1.039)	45178	5.00000	5.1(H)

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10240.d
 Report Date: 26-Sep-2011 14:48

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.951	3.951	(1.045)	91131	5.00000	5.0
3 2-Methylphenol	108	4.063	4.063	(1.075)	74829	5.00000	5.3
24 bis (2-chloroisopropyl) ether	45	4.069	4.069	(1.076)	98302	5.00000	5.7
122 o-Toluidine	107	4.187	4.187	(1.107)	93078	5.00000	5.0
104 Acetophenone	105	4.193	4.193	(1.109)	116638	5.00000	5.3(H)
4 4-Methylphenol	108	4.222	4.222	(1.117)	84569	5.00000	5.4
121 3 & 4 Methylphenol	108	4.222	4.222	(1.117)	84569	5.00000	5.4
25 N-Nitroso-di-n-propylamine	70	4.204	4.204	(1.112)	5481	0.50000	0.52
26 Hexachloroethane	117	4.293	4.293	(1.135)	3902	0.50000	0.51
\$ 76 Nitrobenzene-d5 (SUR)	82	4.340	4.340	(0.856)	89981	5.00000	5.0(H)
107 N,N-Dimethylaniline	120	4.369	4.369	(1.156)	9743	0.50000	0.43(aH)
27 Nitrobenzene	77	4.363	4.363	(0.861)	11214	0.50000	0.47(a)
28 Isophorone	82	4.610	4.610	(0.909)	142272	5.00000	5.2
5 2-Nitrophenol	139	4.687	4.687	(0.925)	44932	5.00000	5.1
6 2,4-Dimethylphenol	122	4.757	4.757	(0.938)	70927	5.00000	5.3
29 bis(2-Chloroethoxy)methane	93	4.846	4.846	(0.956)	86283	5.00000	5.1
7 2,4-Dichlorophenol	162	4.940	4.940	(0.974)	60414	5.00000	5.1
30 1,2,4-Trichlorobenzene	180	5.022	5.022	(0.991)	7238	0.50000	0.51
* 80 Naphthalene-d8	136	5.069	5.069	(1.000)	1758612	40.0000	
31 Naphthalene	128	5.087	5.087	(1.003)	234424	5.00000	4.8(a)
32 4-Chloroaniline	127	5.157	5.157	(1.017)	86585	5.00000	5.1
33 Hexachlorobutadiene	225	5.234	5.234	(1.032)	8776	1.00000	1.0
111 Caprolactam	113	5.481	5.481	(1.081)	19913	5.00000	5.5(H)
8 4-Chloro-3-methylphenol	107	5.675	5.675	(1.119)	63707	5.00000	5.2
34 2-Methylnaphthalene	142	5.787	5.787	(1.142)	142721	5.00000	4.9(a)
120 1-Methylnaphthalene	142	5.887	5.887	(1.161)	146432	5.00000	4.9(a)
35 Hexachlorocyclopentadiene	237	5.957	5.957	(0.873)	31840	5.00000	4.4(a)
9 2,4,6-Trichlorophenol	196	6.081	6.081	(0.891)	39632	5.00000	5.0
10 2,4,5-Trichlorophenol	196	6.122	6.122	(0.897)	41299	5.00000	5.1
\$ 77 2-Fluorobiphenyl (SUR)	172	6.163	6.163	(0.903)	144501	5.00000	4.8(a)
102 Diphenyl	154	6.257	6.257	(0.917)	178086	5.00000	5.0
36 2-Chloronaphthalene	162	6.269	6.269	(0.919)	124829	5.00000	4.9(a)
103 Diphenyl Ether	170	6.363	6.363	(0.933)	89063	5.00000	4.9(a)
37 2-Nitroaniline	65	6.381	6.381	(0.935)	91479	10.0000	11
38 Dimethylphthalate	163	6.575	6.575	(0.964)	129684	5.00000	5.0
114 Coumarin	146	6.575	6.575	(1.297)	44255	5.00000	5.2
40 2,6-Dinitrotoluene	165	6.622	6.622	(0.971)	5706	1.00000	0.98(a)
39 Acenaphthylene	152	6.675	6.675	(0.978)	202418	5.00000	5.0
41 3-Nitroaniline	138	6.787	6.787	(0.995)	63711	10.0000	10
* 82 Acenaphthene-d10	164	6.822	6.822	(1.000)	842802	40.0000	
42 Acenaphthene	154	6.845	6.845	(1.003)	117719	5.00000	4.8(a)
11 2,4-Dinitrophenol	184	6.892	6.892	(1.010)	34052	15.0000	12(a)
12 4-Nitrophenol	65	6.987	6.987	(1.024)	75240	15.0000	15(H)
44 2,4-Dinitrotoluene	165	7.022	7.022	(1.029)	7682	1.00000	1.0
43 Dibenzofuran	168	7.016	7.016	(1.028)	161802	5.00000	4.9(a)
45 Diethylphthalate	149	7.269	7.269	(1.066)	135596	5.00000	5.2
46 4-Chlorophenyl-phenylether	204	7.363	7.363	(1.079)	61463	5.00000	5.0

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10240.d
Report Date: 26-Sep-2011 14:48

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
47 Fluorene	166	7.351	7.351	(1.078)	129285	5.00000	4.8(a)
48 4-Nitroaniline	138	7.381	7.381	(1.082)	59715	10.0000	11(H)
13 4,6-Dinitro-2-methylphenol	198	7.422	7.422	(0.898)	50149	15.0000	13(a)
49 N-Nitrosodiphenylamine	169	7.481	7.481	(0.905)	93882	5.00000	5.0
75 1,2-Diphenylhydrazine	77	7.516	7.516	(0.909)	135309	5.00000	4.1(a)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.592	7.592	(1.113)	19659	5.00000	5.0
50 4-Bromophenyl-phenylether	248	7.839	7.839	(0.948)	34880	5.00000	4.8(a)
51 Hexachlorobenzene	284	7.898	7.898	(0.955)	3777	0.50000	0.48(a)
112 Atrazine	200	8.016	8.016	(0.969)	32541	5.00000	5.4
14 Pentachlorophenol	266	8.098	8.098	(0.979)	55883	15.0000	13(a)
* 83 Phenanthrene-d10	188	8.269	8.269	(1.000)	1188513	40.0000	
52 Phenanthrene	178	8.292	8.292	(1.003)	167466	5.00000	4.8(a)
53 Anthracene	178	8.339	8.339	(1.009)	169348	5.00000	4.8(a)
54 Carbazole	167	8.504	8.504	(1.028)	145870	5.00000	5.1
55 Di-n-butylphthalate	149	8.869	8.869	(1.073)	191104	5.00000	5.0
56 Fluoranthene	202	9.445	9.445	(1.142)	146240	5.00000	5.0
58 Benzidine	184	9.592	9.592	(1.160)	41134	10.0000	14
57 Pyrene	202	9.663	9.663	(0.886)	145925	5.00000	4.7(a)
\$ 78 Terphenyl-d14	244	9.833	9.833	(0.902)	99930	5.00000	4.6(a)
59 Butylbenzylphthalate	149	10.333	10.333	(0.948)	68264	5.00000	4.9(a)
60 3,3'-Dichlorobenzidine	252	10.880	10.880	(0.998)	70373	10.0000	11
61 Benzo(a)anthracene	228	10.892	10.892	(0.999)	13322	0.50000	0.57
* 81 Chrysene-d12	240	10.904	10.904	(1.000)	717143	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.975	10.975	(1.006)	87793	5.00000	4.8(a)
62 Chrysene	228	10.933	10.933	(1.003)	101423	5.00000	5.0
64 Di-n-octylphthalate	149	11.757	11.757	(0.928)	124738	5.00000	4.6(a)
65 Benzo(b)fluoranthene	252	12.175	12.175	(0.961)	7936	0.50000	0.49(aH)
66 Benzo(k)fluoranthene	252	12.210	12.210	(0.964)	9094	0.50000	0.50
67 Benzo(a)pyrene	252	12.586	12.586	(0.994)	6369	0.50000	0.48(a)
* 84 Perylene-d12	264	12.663	12.663	(1.000)	539191	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.027	14.027	(1.108)	4435	0.50000	0.41(aH)
69 Dibenz(a,h)anthracene	278	14.057	14.057	(1.110)	4610	0.50000	0.41(a)
70 Benzo(g,h,i)perylene	276	14.363	14.363	(1.134)	50736	5.00000	4.4(a)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- H - Operator selected an alternate compound hit.

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10241.d
 Report Date: 26-Sep-2011 14:51

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10241.d
 Lab Smp Id: IC-1143619
 Inj Date : 26-SEP-2011 12:25
 Operator : BNAMS 4
 Smp Info : IC-1143619
 Misc Info : 80ppm bna4587
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/8270Cdel_08.m
 Meth Date : 26-Sep-2011 14:51 monica
 Cal Date : 26-SEP-2011 10:59
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i

Quant Type: ISTD

Cal File: z10238.d

Calibration Sample, Level: 4

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.263	1.263	(0.334)	575682	80.0000	80
19 N-Nitrosodimethylamine		74	1.493	1.493	(0.394)	731326	80.0000	80(M)
71 Pyridine		79	1.516	1.516	(0.400)	1280897	80.0000	77
\$ 16 2-Fluorophenol (SUR)		112	2.545	2.545	(0.672)	1111873	80.0000	74
110 Benzaldehyde		77	3.340	3.340	(0.882)	163193	80.0000	31
\$ 17 Phenol-d5 (SUR)		99	3.469	3.469	(0.916)	1352900	80.0000	76
1 Phenol		94	3.481	3.481	(0.919)	1450023	80.0000	75
73 Aniline		93	3.463	3.463	(0.915)	1641906	80.0000	78
20 bis(2-Chloroethyl)ether		93	3.540	3.540	(0.935)	1166160	80.0000	78
2 2-Chlorophenol		128	3.592	3.592	(0.949)	1170003	80.0000	76
113 n-decane		43	3.651	3.651	(0.964)	1061101	80.0000	75
21 1,3-Dichlorobenzene		146	3.734	3.734	(0.986)	1445653	80.0000	81
* 79 1,4-Dichlorobenzene-d4		152	3.787	3.787	(1.000)	442724	40.0000	
22 1,4-Dichlorobenzene		146	3.804	3.804	(1.005)	1463380	80.0000	80
74 Benzyl Alcohol		108	3.957	3.957	(1.045)	699204	80.0000	83

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10241.d
Report Date: 26-Sep-2011 14:51

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.957	3.957	(1.045)	1370485	80.0000	81
3 2-Methylphenol	108	4.087	4.087	(1.079)	974961	80.0000	76
24 bis (2-chloroisopropyl) ether	45	4.081	4.081	(1.078)	1150285	80.0000	74
122 o-Toluidine	107	4.204	4.204	(1.110)	1312826	80.0000	77
104 Acetophenone	105	4.222	4.222	(1.115)	1551924	80.0000	77
4 4-Methylphenol	108	4.251	4.251	(1.123)	1110988	80.0000	77
121 3 & 4 Methylphenol	108	4.251	4.251	(1.123)	1110988	80.0000	77
25 N-Nitroso-di-n-propylamine	70	4.234	4.234	(1.118)	761761	80.0000	79(M)
26 Hexachloroethane	117	4.298	4.298	(1.135)	559925	80.0000	80
\$ 76 Nitrobenzene-d5 (SUR)	82	4.369	4.369	(0.860)	1228125	80.0000	79
107 N,N-Dimethylaniline	120	4.392	4.392	(1.160)	1784095	80.0000	83
27 Nitrobenzene	77	4.392	4.392	(0.865)	1671209	80.0000	81
28 Isophorone	82	4.634	4.634	(0.912)	1812615	80.0000	77
5 2-Nitrophenol	139	4.704	4.704	(0.926)	595639	80.0000	79
6 2,4-Dimethylphenol	122	4.781	4.781	(0.941)	906400	80.0000	78
29 bis(2-Chloroethoxy)methane	93	4.863	4.863	(0.957)	1159706	80.0000	79
7 2,4-Dichlorophenol	162	4.957	4.957	(0.976)	801792	80.0000	78
30 1,2,4-Trichlorobenzene	180	5.028	5.028	(0.990)	963773	80.0000	80
* 80 Naphthalene-d8	136	5.081	5.081	(1.000)	1523775	40.0000	
31 Naphthalene	128	5.104	5.104	(1.005)	3421328	80.0000	82
32 4-Chloroaniline	127	5.169	5.169	(1.017)	1158732	80.0000	79
33 Hexachlorobutadiene	225	5.239	5.239	(1.031)	587162	80.0000	80
111 Caprolactam	113	5.581	5.581	(1.098)	226248	80.0000	73(H)
8 4-Chloro-3-methylphenol	107	5.698	5.698	(1.122)	810513	80.0000	77
34 2-Methylnaphthalene	142	5.798	5.798	(1.141)	2013641	80.0000	81
120 1-Methylnaphthalene	142	5.898	5.898	(1.161)	2055962	80.0000	80
35 Hexachlorocyclopentadiene	237	5.969	5.969	(0.874)	499374	80.0000	84
9 2,4,6-Trichlorophenol	196	6.098	6.098	(0.893)	499099	80.0000	79
10 2,4,5-Trichlorophenol	196	6.139	6.139	(0.899)	491883	80.0000	77
\$ 77 2-Fluorobiphenyl (SUR)	172	6.175	6.175	(0.904)	2005235	80.0000	82
102 Diphenyl	154	6.269	6.269	(0.918)	2396190	80.0000	83
36 2-Chloronaphthalene	162	6.281	6.281	(0.920)	1679713	80.0000	82
103 Diphenyl Ether	170	6.375	6.375	(0.934)	1186617	80.0000	82
37 2-Nitroaniline	65	6.398	6.398	(0.937)	495621	80.0000	73(H)
38 Dimethylphthalate	163	6.592	6.592	(0.966)	1649066	80.0000	80
114 Coumarin	146	6.598	6.598	(1.299)	558775	80.0000	77
40 2,6-Dinitrotoluene	165	6.645	6.645	(0.973)	380257	80.0000	81
39 Acenaphthylene	152	6.686	6.686	(0.979)	2572159	80.0000	80
41 3-Nitroaniline	138	6.804	6.804	(0.997)	394873	80.0000	79
* 82 Acenaphthene-d10	164	6.828	6.828	(1.000)	679392	40.0000	
42 Acenaphthene	154	6.863	6.863	(1.005)	1667752	80.0000	84
11 2,4-Dinitrophenol	184	6.910	6.910	(1.012)	210038	80.0000	88
12 4-Nitrophenol	65	7.010	7.010	(1.027)	303627	80.0000	78
44 2,4-Dinitrotoluene	165	7.045	7.045	(1.032)	477790	80.0000	80
43 Dibenzofuran	168	7.028	7.028	(1.029)	2209510	80.0000	82
45 Diethylphthalate	149	7.286	7.286	(1.067)	1678563	80.0000	80
46 4-Chlorophenyl-phenylether	204	7.375	7.375	(1.080)	814577	80.0000	83

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10241.d
 Report Date: 26-Sep-2011 14:51

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
47 Fluorene	166	7.369	7.369	(1.079)	1781829	80.0000	82
48 4-Nitroaniline	138	7.410	7.410	(1.085)	321240	80.0000	76(H)
13 4,6-Dinitro-2-methylphenol	198	7.439	7.439	(0.899)	242376	80.0000	83
49 N-Nitrosodiphenylamine	169	7.498	7.498	(0.906)	1127131	80.0000	82
75 1,2-Diphenylhydrazine	77	7.527	7.527	(0.910)	2048547	80.0000	82
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.604	7.604	(1.114)	253515	80.0000	80
50 4-Bromophenyl-phenylether	248	7.851	7.851	(0.949)	448473	80.0000	82
51 Hexachlorobenzene	284	7.910	7.910	(0.956)	484806	80.0000	81
112 Atrazine	200	8.033	8.033	(0.971)	356221	80.0000	78
14 Pentachlorophenol	266	8.104	8.104	(0.979)	265821	80.0000	84
* 83 Phenanthrene-d10	188	8.275	8.275	(1.000)	895259	40.0000	
52 Phenanthrene	178	8.298	8.298	(1.003)	2084154	80.0000	80
53 Anthracene	178	8.351	8.351	(1.009)	2117856	80.0000	80
54 Carbazole	167	8.516	8.516	(1.029)	1681676	80.0000	79
55 Di-n-butylphthalate	149	8.874	8.874	(1.073)	2365459	80.0000	82
56 Fluoranthene	202	9.457	9.457	(1.143)	1759867	80.0000	81
58 Benzidine	184	9.598	9.598	(1.160)	82227	80.0000	34
57 Pyrene	202	9.674	9.674	(0.887)	1690783	80.0000	79
\$ 78 Terphenyl-d14	244	9.839	9.839	(0.902)	1235832	80.0000	82
59 Butylbenzylphthalate	149	10.339	10.339	(0.948)	795690	80.0000	82
60 3,3'-Dichlorobenzidine	252	10.886	10.886	(0.998)	321234	80.0000	74
61 Benzo(a)anthracene	228	10.898	10.898	(0.999)	1183448	80.0000	76
* 81 Chrysene-d12	240	10.910	10.910	(1.000)	502697	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.974	10.974	(1.006)	1098280	80.0000	84
62 Chrysene	228	10.945	10.945	(1.003)	1124321	80.0000	80
64 Di-n-octylphthalate	149	11.763	11.763	(0.928)	1485433	80.0000	84
65 Benzo(b)fluoranthene	252	12.186	12.186	(0.962)	858074	80.0000	82
66 Benzo(k)fluoranthene	252	12.221	12.221	(0.965)	930503	80.0000	80
67 Benzo(a)pyrene	252	12.592	12.592	(0.994)	691674	80.0000	82
* 84 Perylene-d12	264	12.668	12.668	(1.000)	350676	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.039	14.039	(1.108)	621458	80.0000	89
69 Dibenz(a,h)anthracene	278	14.074	14.074	(1.111)	626513	80.0000	86
70 Benzo(g,h,i)perylene	276	14.380	14.380	(1.135)	637516	80.0000	85

QC Flag Legend

M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: z10241.d

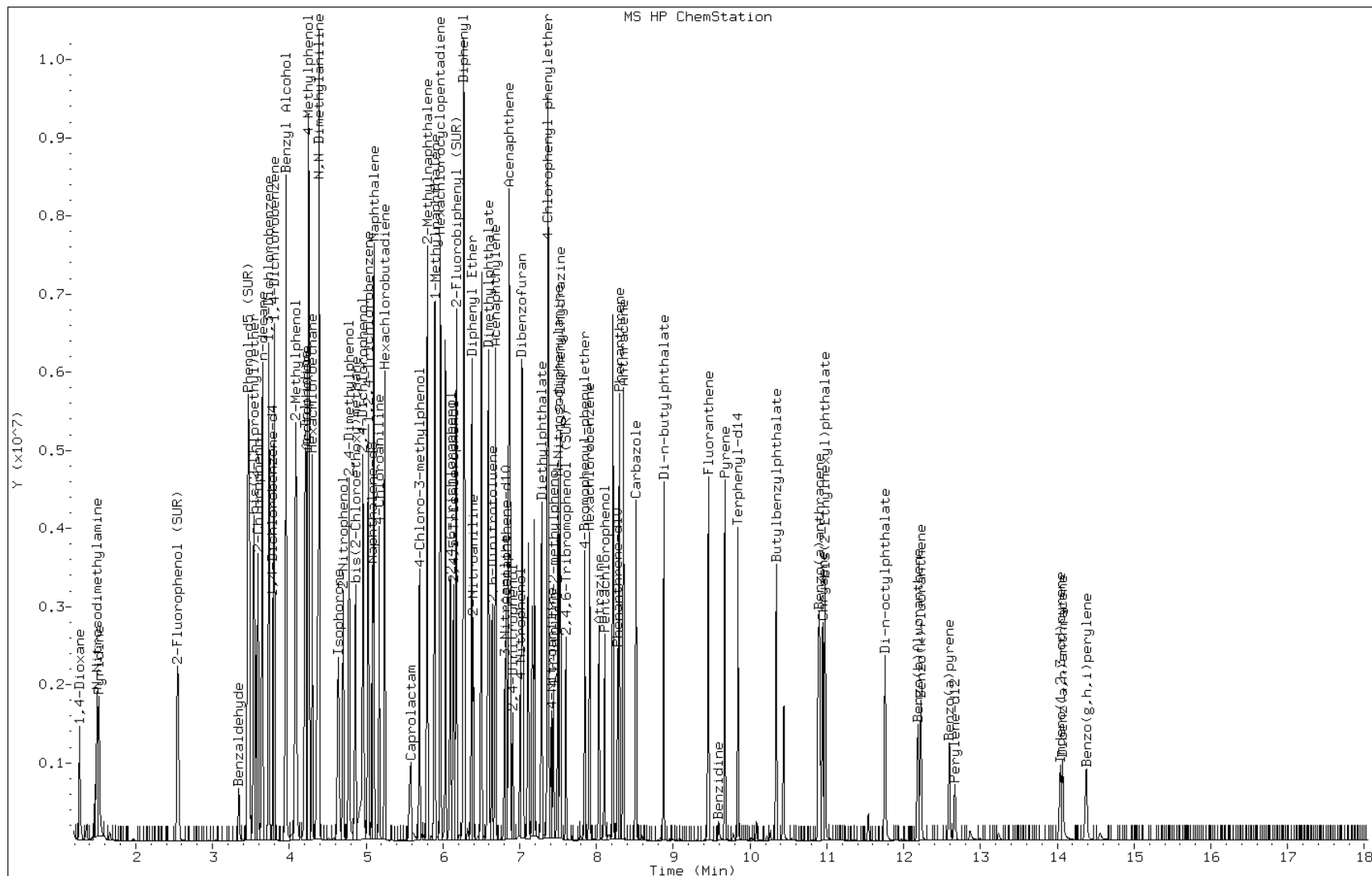
Date: 26-SEP-2011 12:25

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-1143619

Operator: BNAMS 4

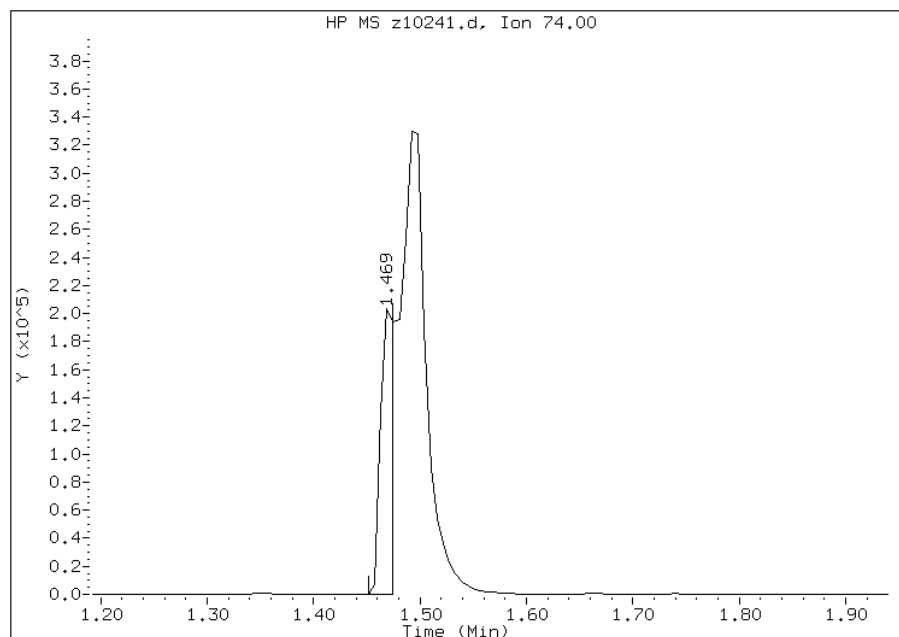


Manual Integration Report

Data File: z10241.d
Inj. Date and Time: 26-SEP-2011 12:25
Instrument ID: BNAMS11.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 09/28/2011

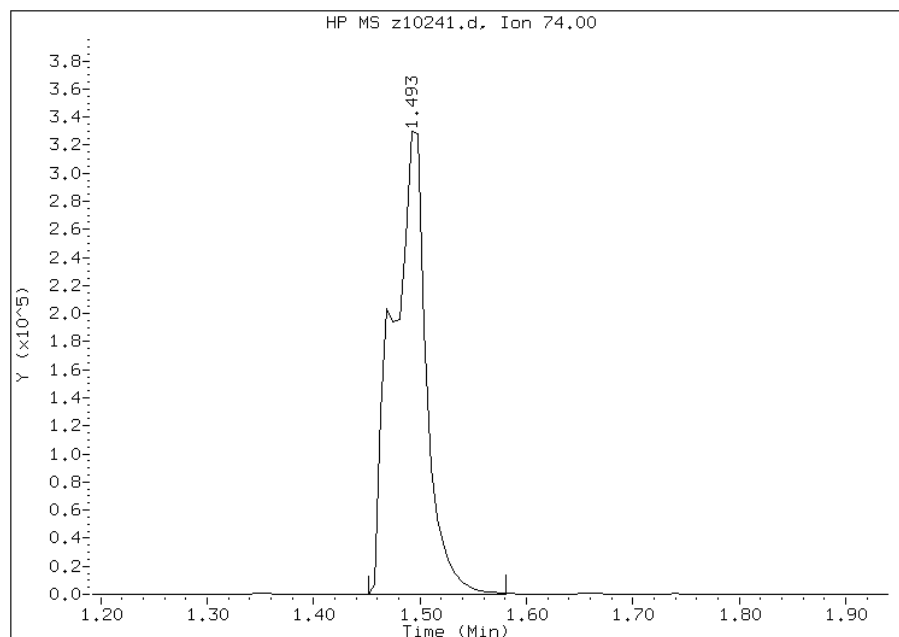
Processing Integration Results

RT: 1.47
Response: 188529
Amount: 25
Conc: 25



Manual Integration Results

RT: 1.49
Response: 731326
Amount: 80
Conc: 80



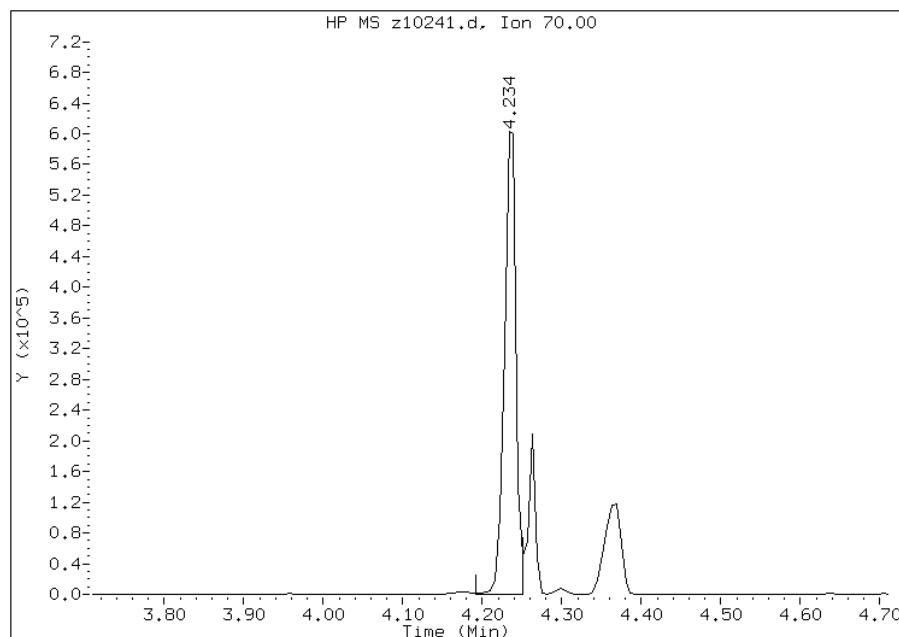
Manually Integrated By: rusin
Manual Integration Reason:

Manual Integration Report

Data File: z10241.d
Inj. Date and Time: 26-SEP-2011 12:25
Instrument ID: BNAMS11.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 09/28/2011

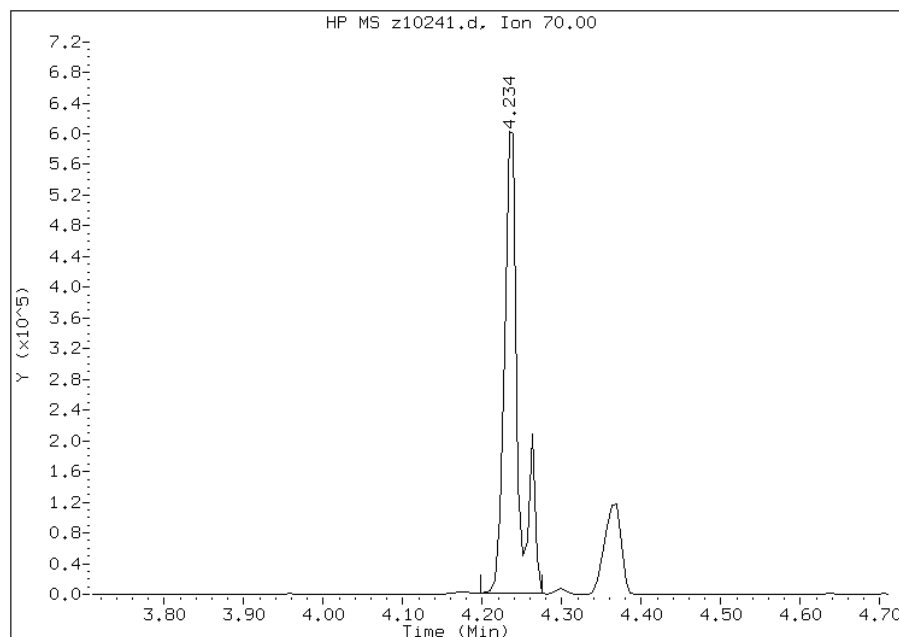
Processing Integration Results

RT: 4.23
Response: 650978
Amount: 70
Conc: 70



Manual Integration Results

RT: 4.23
Response: 761761
Amount: 79
Conc: 79



Manually Integrated By: rusin
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10242.d
 Report Date: 26-Sep-2011 14:51

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10242.d
 Lab Smp Id: IC-1143617
 Inj Date : 26-SEP-2011 12:50
 Operator : BNAMS 4
 Smp Info : IC-1143617
 Misc Info : 20ppm bna4587
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/8270Cdel_08.m
 Meth Date : 26-Sep-2011 14:51 monica
 Cal Date : 26-SEP-2011 10:59
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i
 Quant Type: ISTD
 Cal File: z10238.d
 Calibration Sample, Level: 2
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.240	1.240	(0.328)	146923	20.0000	20
19 N-Nitrosodimethylamine		74	1.440	1.440	(0.381)	192276	20.0000	20
71 Pyridine		79	1.469	1.469	(0.389)	357490	20.0000	21(H)
\$ 16 2-Fluorophenol (SUR)		112	2.522	2.522	(0.667)	338660	20.0000	22
110 Benzaldehyde		77	3.328	3.328	(0.880)	108891	20.0000	20
\$ 17 Phenol-d5 (SUR)		99	3.440	3.440	(0.910)	388322	20.0000	21
1 Phenol		94	3.451	3.451	(0.913)	406795	20.0000	20
73 Aniline		93	3.445	3.445	(0.911)	449234	20.0000	20
20 bis(2-Chloroethyl)ether		93	3.522	3.522	(0.932)	299892	20.0000	19
2 2-Chlorophenol		128	3.569	3.569	(0.944)	330506	20.0000	21
113 n-decane		43	3.640	3.640	(0.963)	313830	20.0000	21
21 1,3-Dichlorobenzene		146	3.722	3.722	(0.984)	360605	20.0000	19
* 79 1,4-Dichlorobenzene-d4		152	3.781	3.781	(1.000)	461263	40.0000	
22 1,4-Dichlorobenzene		146	3.798	3.798	(1.005)	366504	20.0000	19
74 Benzyl Alcohol		108	3.934	3.934	(1.040)	183784	20.0000	21

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10242.d
Report Date: 26-Sep-2011 14:51

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.951	3.951	(1.045)	339331	20.0000	19
3 2-Methylphenol	108	4.069	4.069	(1.076)	267751	20.0000	20
24 bis (2-chloroisopropyl) ether	45	4.075	4.075	(1.078)	337918	20.0000	21
122 o-Toluidine	107	4.192	4.192	(1.109)	357891	20.0000	20
104 Acetophenone	105	4.198	4.198	(1.110)	425685	20.0000	20(H)
4 4-Methylphenol	108	4.228	4.228	(1.118)	305369	20.0000	20
121 3 & 4 Methylphenol	108	4.228	4.228	(1.118)	305369	20.0000	20
25 N-Nitroso-di-n-propylamine	70	4.210	4.210	(1.114)	202965	20.0000	20
26 Hexachloroethane	117	4.292	4.292	(1.135)	143034	20.0000	20
\$ 76 Nitrobenzene-d5 (SUR)	82	4.345	4.345	(0.856)	345097	20.0000	20
107 N,N-Dimethylaniline	120	4.375	4.375	(1.157)	464131	20.0000	21
27 Nitrobenzene	77	4.369	4.369	(0.861)	451006	20.0000	20
28 Isophorone	82	4.616	4.616	(0.910)	508998	20.0000	20
5 2-Nitrophenol	139	4.692	4.692	(0.925)	159377	20.0000	20
6 2,4-Dimethylphenol	122	4.763	4.763	(0.939)	255648	20.0000	20
29 bis(2-Chloroethoxy)methane	93	4.851	4.851	(0.956)	307431	20.0000	19
7 2,4-Dichlorophenol	162	4.945	4.945	(0.974)	219774	20.0000	20
30 1,2,4-Trichlorobenzene	180	5.022	5.022	(0.990)	251330	20.0000	19
* 80 Naphthalene-d8	136	5.075	5.075	(1.000)	1648893	40.0000	
31 Naphthalene	128	5.092	5.092	(1.003)	861322	20.0000	19
32 4-Chloroaniline	127	5.163	5.163	(1.017)	311012	20.0000	20
33 Hexachlorobutadiene	225	5.234	5.234	(1.031)	154376	20.0000	19
111 Caprolactam	113	5.516	5.516	(1.087)	68689	20.0000	20
8 4-Chloro-3-methylphenol	107	5.681	5.681	(1.119)	228816	20.0000	20
34 2-Methylnaphthalene	142	5.792	5.792	(1.141)	511123	20.0000	19
120 1-Methylnaphthalene	142	5.886	5.886	(1.160)	541525	20.0000	20
35 Hexachlorocyclopentadiene	237	5.963	5.963	(0.874)	127692	20.0000	19
9 2,4,6-Trichlorophenol	196	6.086	6.086	(0.892)	138594	20.0000	20
10 2,4,5-Trichlorophenol	196	6.128	6.128	(0.898)	145067	20.0000	20
\$ 77 2-Fluorobiphenyl (SUR)	172	6.169	6.169	(0.904)	548566	20.0000	20
102 Diphenyl	154	6.263	6.263	(0.918)	625550	20.0000	19
36 2-Chloronaphthalene	162	6.269	6.269	(0.919)	440816	20.0000	19
103 Diphenyl Ether	170	6.369	6.369	(0.934)	311896	20.0000	19
37 2-Nitroaniline	65	6.386	6.386	(0.936)	170980	20.0000	23
38 Dimethylphthalate	163	6.581	6.581	(0.965)	441674	20.0000	19
114 Coumarin	146	6.581	6.581	(1.297)	153636	20.0000	20
40 2,6-Dinitrotoluene	165	6.628	6.628	(0.972)	101888	20.0000	19
39 Acenaphthylene	152	6.675	6.675	(0.978)	702295	20.0000	20
41 3-Nitroaniline	138	6.792	6.792	(0.996)	106940	20.0000	19
* 82 Acenaphthene-d10	164	6.822	6.822	(1.000)	758667	40.0000	
42 Acenaphthene	154	6.851	6.851	(1.004)	424019	20.0000	19
11 2,4-Dinitrophenol	184	6.898	6.898	(1.011)	75970	30.0000	28
12 4-Nitrophenol	65	6.992	6.992	(1.025)	127312	30.0000	29
44 2,4-Dinitrotoluene	165	7.028	7.028	(1.030)	128478	20.0000	19
43 Dibenzofuran	168	7.022	7.022	(1.029)	575294	20.0000	19
45 Diethylphthalate	149	7.275	7.275	(1.066)	452350	20.0000	19
46 4-Chlorophenyl-phenylether	204	7.369	7.369	(1.080)	207393	20.0000	19

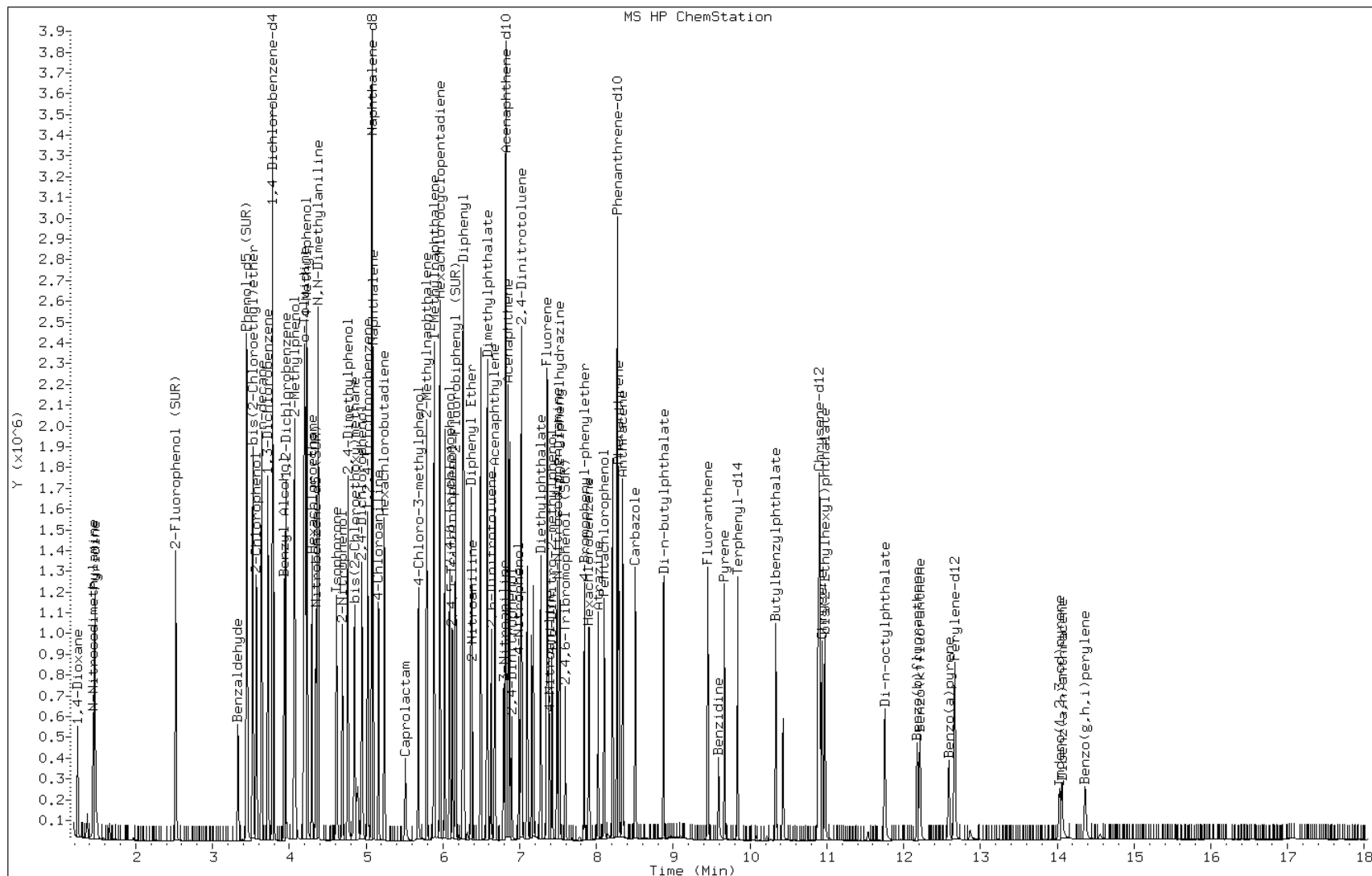
Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10242.d
 Report Date: 26-Sep-2011 14:51

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
47 Fluorene	166	7.357	7.357	(1.078)	458420	20.0000	19
48 4-Nitroaniline	138	7.386	7.386	(1.083)	93830	20.0000	20(H)
13 4,6-Dinitro-2-methylphenol	198	7.422	7.422	(0.898)	96922	30.0000	30
49 N-Nitrosodiphenylamine	169	7.486	7.486	(0.905)	278497	20.0000	18
75 1,2-Diphenylhydrazine	77	7.522	7.522	(0.910)	550877	20.0000	20
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.592	7.592	(1.113)	69969	20.0000	20
50 4-Bromophenyl-phenylether	248	7.839	7.839	(0.948)	117201	20.0000	19
51 Hexachlorobenzene	284	7.904	7.904	(0.956)	128666	20.0000	20
112 Atrazine	200	8.022	8.022	(0.970)	104433	20.0000	21
14 Pentachlorophenol	266	8.098	8.098	(0.979)	105887	30.0000	30
* 83 Phenanthrene-d10	188	8.269	8.269	(1.000)	991854	40.0000	
52 Phenanthrene	178	8.292	8.292	(1.003)	558802	20.0000	19
53 Anthracene	178	8.339	8.339	(1.009)	568674	20.0000	20
54 Carbazole	167	8.504	8.504	(1.028)	456260	20.0000	19
55 Di-n-butylphthalate	149	8.874	8.874	(1.073)	631093	20.0000	20
56 Fluoranthene	202	9.451	9.451	(1.143)	471488	20.0000	20
58 Benzidine	184	9.592	9.592	(1.160)	143696	30.0000	53
57 Pyrene	202	9.669	9.669	(0.886)	457501	20.0000	18
\$ 78 Terphenyl-d14	244	9.839	9.839	(0.902)	340060	20.0000	19
59 Butylbenzylphthalate	149	10.333	10.333	(0.947)	217855	20.0000	19
60 3,3'-Dichlorobenzidine	252	10.880	10.880	(0.997)	150156	30.0000	30
61 Benzo(a)anthracene	228	10.892	10.892	(0.998)	336541	20.0000	18
* 81 Chrysene-d12	240	10.910	10.910	(1.000)	586240	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.974	10.974	(1.006)	295605	20.0000	19
62 Chrysene	228	10.933	10.933	(1.002)	323952	20.0000	20
64 Di-n-octylphthalate	149	11.757	11.757	(0.928)	417956	20.0000	20
65 Benzo(b)fluoranthene	252	12.180	12.180	(0.962)	236027	20.0000	19
66 Benzo(k)fluoranthene	252	12.210	12.210	(0.964)	279479	20.0000	20
67 Benzo(a)pyrene	252	12.586	12.586	(0.994)	195442	20.0000	19
* 84 Perylene-d12	264	12.662	12.662	(1.000)	423190	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.027	14.027	(1.108)	152350	20.0000	18
69 Dibenz(a,h)anthracene	278	14.062	14.062	(1.111)	169124	20.0000	19
70 Benzo(g,h,i)perylene	276	14.362	14.362	(1.134)	170589	20.0000	19

QC Flag Legend

H - Operator selected an alternate compound hit.

Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Lab Sample ID: CCVIS 460-88069/2 Calibration Date: 09/30/2011 13:59

Instrument ID: BNAMS11 Calib Start Date: 09/26/2011 10:59

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 09/26/2011 12:50

Lab File ID: z10410.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6474	0.6415	0.0500	49500	50000	-0.9	25.0
N-Nitrosodimethylamine	Ave	0.8311	0.8270	0.0500	49800	50000	-0.5	25.0
Pyridine	Ave	1.503	1.512	0.0500	50300	50000	0.6	25.0
Benzaldehyde	Ave	0.4704	0.2280	0.0500	24200	50000	-51.5*	25.0
Aniline	Ave	1.901	1.971	0.0500	51900	50000	3.7	25.0
Phenol	Ave	1.747	1.721	0.0500	49300	50000	-1.5	25.0
Bis(2-chloroethyl)ether	Ave	1.343	1.334	0.0500	49700	50000	-0.6	25.0
2-Chlorophenol	Ave	1.390	1.418	0.0500	51000	50000	2.0	25.0
n-Decane	Ave	1.283	1.239	0.0500	48300	50000	-3.5	25.0
1,3-Dichlorobenzene	Ave	1.618	1.597	0.0500	49400	50000	-1.3	25.0
1,4-Dichlorobenzene	Ave	1.642	1.623	0.0500	49400	50000	-1.1	25.0
Benzyl alcohol	Ave	0.7598	0.8348	0.0500	54900	50000	9.9	25.0
1,2-Dichlorobenzene	Ave	1.519	1.513	0.0500	49800	50000	-0.4	25.0
2,2'-oxybis[1-chloropropane]	Ave	1.413	1.386	0.0500	49000	50000	-1.9	25.0
2-Methylphenol	Ave	1.152	1.170	0.0500	50800	50000	1.6	25.0
o-Toluidine	Ave	1.535	1.520	0.0500	49500	50000	-1.0	25.0
Acetophenone	Ave	1.820	1.741	0.0500	47800	50000	-4.3	25.0
N-Nitrosodi-n-propylamine	Ave	0.8707	0.8323	0.0500	47800	50000	-4.4	25.0
3 & 4 Methylphenol	Ave	1.296	1.292	0.0500	49900	50000	-0.3	25.0
4-Methylphenol	Ave	1.296	1.292	0.0500	49900	50000	-0.3	25.0
Hexachloroethane	Ave	0.6334	0.6419	0.0500	50700	50000	1.3	25.0
Nitrobenzene	Ave	0.5433	0.5531	0.0500	50900	50000	1.8	25.0
n,n'-Dimethylaniline	Ave	1.946	2.051	0.0500	52700	50000	5.4	25.0
Isophorone	Ave	0.6190	0.6080	0.0500	49100	50000	-1.8	25.0
2-Nitrophenol	Ave	0.1983	0.1937	0.0500	48800	50000	-2.3	25.0
2,4-Dimethylphenol	Ave	0.3053	0.3153	0.0500	51600	50000	3.3	25.0
Bis(2-chloroethoxy)methane	Ave	0.3832	0.3762	0.0500	49100	50000	-1.8	25.0
2,4-Dichlorophenol	Ave	0.2678	0.2648	0.0500	49400	50000	-1.1	25.0
1,2,4-Trichlorobenzene	Ave	0.3173	0.3122	0.0500	49200	50000	-1.6	25.0
Naphthalene	Ave	1.099	1.104	0.0500	50200	50000	0.5	25.0
4-Chloroaniline	Ave	0.3849	0.3762	0.0500	48900	50000	-2.3	25.0
Hexachlorobutadiene	Ave	0.1928	0.1893	0.0500	49100	50000	-1.8	25.0
Caprolactam	Ave	0.0812	0.0614	0.0500	37800	50000	-24.4	25.0
4-Chloro-3-methylphenol	Ave	0.2770	0.2721	0.0500	49100	50000	-1.8	25.0
2-Methylnaphthalene	Ave	0.6534	0.6398	0.0500	49000	50000	-2.1	25.0
1-Methylnaphthalene	Ave	0.6708	0.6551	0.0500	48800	50000	-2.3	25.0
Hexachlorocyclopentadiene	Ave	0.3488	0.3873	0.0500	55500	50000	11.0	25.0
2,4,6-Trichlorophenol	Ave	0.3705	0.3824	0.0500	51600	50000	3.2	25.0
2,4,5-Trichlorophenol	Ave	0.3779	0.3809	0.0500	50400	50000	0.8	25.0
1,1'-Biphenyl	Ave	1.702	1.757	0.0500	51600	50000	3.2	25.0
2-Chloronaphthalene	Ave	1.203	1.241	0.0500	51600	50000	3.2	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Lab Sample ID: CCVIS 460-88069/2 Calibration Date: 09/30/2011 13:59

Instrument ID: BNAMS11 Calib Start Date: 09/26/2011 10:59

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 09/26/2011 12:50

Lab File ID: z10410.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8543	0.8717	0.0500	51000	50000	2.0	25.0
2-Nitroaniline	Ave	0.3986	0.3623	0.0500	45400	50000	-9.1	25.0
Coumarin	Ave	0.1908	0.1713	0.0500	44900	50000	-10.2	25.0
Dimethyl phthalate	Ave	1.208	1.129	0.0500	46700	50000	-6.5	25.0
2,6-Dinitrotoluene	Ave	0.2760	0.2591	0.0500	46900	50000	-6.1	25.0
Acenaphthylene	Ave	1.895	1.931	0.0500	50900	50000	1.9	25.0
3-Nitroaniline	Ave	0.2940	0.2720	0.0500	46300	50000	-7.5	25.0
Acenaphthene	Ave	1.168	1.149	0.0500	49200	50000	-1.7	25.0
2,4-Dinitrophenol	Ave	0.1402	0.1286	0.0500	45900	50000	-8.3	25.0
4-Nitrophenol	Ave	0.2299	0.1962	0.0500	42700	50000	-14.7	25.0
Dibenzofuran	Ave	1.576	1.558	0.0500	49400	50000	-1.1	25.0
2,4-Dinitrotoluene	Ave	0.3522	0.3189	0.0500	45300	50000	-9.5	25.0
Diethyl phthalate	Ave	1.235	1.138	0.0500	46100	50000	-7.8	25.0
Fluorene	Ave	1.273	1.245	0.0500	48900	50000	-2.2	25.0
4-Chlorophenyl phenyl ether	Ave	0.5795	0.5509	0.0500	47500	50000	-4.9	25.0
4-Nitroaniline	Ave	0.2492	0.2182	0.0500	43800	50000	-12.4	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1307	0.1319	0.0500	50500	50000	1.0	25.0
N-Nitrosodiphenylamine	Ave	0.6179	0.6328	0.0500	51200	50000	2.4	25.0
1,2-Diphenylhydrazine	Ave	1.113	1.191	0.0500	53500	50000	6.9	25.0
4-Bromophenyl phenyl ether	Ave	0.2452	0.2500	0.0500	51000	50000	1.9	25.0
Hexachlorobenzene	Ave	0.2659	0.2744	0.0500	51600	50000	3.2	25.0
Atrazine	Ave	0.2035	0.1869	0.0500	45900	50000	-8.2	25.0
Pentachlorophenol	Ave	0.1420	0.1438	0.0500	50600	50000	1.2	25.0
Phenanthrene	Ave	1.161	1.197	0.0500	51600	50000	3.1	25.0
Anthracene	Ave	1.176	1.176	0.0500	50000	50000	0.0	25.0
Carbazole	Ave	0.9491	0.9206	0.0500	48500	50000	-3.0	25.0
Di-n-butyl phthalate	Ave	1.296	1.221	0.0500	47100	50000	-5.8	25.0
Fluoranthene	Ave	0.9706	0.8826	0.0500	45500	50000	-9.1	25.0
Benzidine	Ave	0.1089	0.0502	0.0500	23000	50000	-53.9*	25.0
Pyrene	Ave	1.693	1.725	0.0500	50900	50000	1.9	25.0
Butyl benzyl phthalate	Ave	0.7744	0.6987	0.0500	45100	50000	-9.8	25.0
2,3,7,8-TCDD	Ave	0.1840	0.1987	0.0500	540	500	8.0	25.0
3,3'-Dichlorobenzidine	Ave	0.3457	0.2961	0.0500	42800	50000	-14.3	25.0
Benzo[a]anthracene	Ave	1.242	1.189	0.0500	47800	50000	-4.3	25.0
Chrysene	Ave	1.118	1.126	0.0500	50400	50000	0.8	25.0
Bis(2-ethylhexyl) phthalate	Ave	1.038	0.8956	0.0500	43100	50000	-13.7	25.0
Di-n-octyl phthalate	Ave	2.015	1.604	0.0500	39800	50000	-20.4	25.0
Benzo[b]fluoranthene	Ave	1.190	1.162	0.0500	48800	50000	-2.4	25.0
Benzo[k]fluoranthene	Ave	1.332	1.306	0.0500	49000	50000	-2.0	25.0
Benzo[a]pyrene	Ave	0.9679	0.9771	0.0500	50500	50000	0.9	25.0
Indeno[1,2,3-cd]pyrene	Ave	0.7985	0.8528	0.0500	53400	50000	6.8	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-88069/2 Calibration Date: 09/30/2011 13:59
 Instrument ID: BNAMS11 Calib Start Date: 09/26/2011 10:59
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 09/26/2011 12:50
 Lab File ID: z10410.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenz(a,h)anthracene	Ave	0.8332	0.9036	0.0500	54200	50000	8.5	25.0
Benzo[g,h,i]perylene	Ave	0.8506	0.9237	0.0500	54300	50000	8.6	25.0
2-Fluorophenol (Surr)	Ave	1.352	1.402	0.0500	51900	50000	3.7	25.0
Phenol-d5 (Surr)	Ave	1.613	1.623	0.0500	50300	50000	0.6	25.0
Nitrobenzene-d5 (Surr)	Ave	0.4100	0.4074	0.0500	49700	50000	-0.6	25.0
2-Fluorobiphenyl	Ave	1.439	1.456	0.0500	50600	50000	1.1	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.1860	0.1645	0.0500	44200	50000	-11.6	25.0
Terphenyl-d14 (Surr)	Ave	1.204	1.200	0.0500	49900	50000	-0.3	25.0

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10410.d
 Report Date: 30-Sep-2011 14:26

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10410.d
 Lab Smp Id: CCVIS-1143618
 Inj Date : 30-SEP-2011 13:59
 Operator : BNAMS 4
 Smp Info : CCVIS-1143618
 Misc Info : 50 ppm bna 4587
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/8270Cdel_08.m
 Meth Date : 30-Sep-2011 14:26 croccom Quant Type: ISTD
 Cal Date : 30-SEP-2011 13:59 Cal File: z10410.d
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.168	1.168	(0.317)	263881	50.0000	50
19 N-Nitrosodimethylamine		74	1.368	1.368	(0.372)	340199	50.0000	50
71 Pyridine		79	1.386	1.386	(0.377)	622034	50.0000	50
\$ 16 2-Fluorophenol (SUR)		112	2.421	2.421	(0.658)	576913	50.0000	52
110 Benzaldehyde		77	3.227	3.227	(0.877)	93781	50.0000	24
\$ 17 Phenol-d5 (SUR)		99	3.351	3.351	(0.910)	667703	50.0000	50
1 Phenol		94	3.368	3.368	(0.915)	707965	50.0000	49
73 Aniline		93	3.351	3.351	(0.910)	810953	50.0000	52
20 bis(2-Chloroethyl)ether		93	3.427	3.427	(0.931)	548897	50.0000	50
2 2-Chlorophenol		128	3.474	3.474	(0.944)	583235	50.0000	51
113 n-decane		43	3.545	3.545	(0.963)	509589	50.0000	48
21 1,3-Dichlorobenzene		146	3.621	3.621	(0.984)	657010	50.0000	49
* 79 1,4-Dichlorobenzene-d4		152	3.680	3.680	(1.000)	329080	40.0000	
22 1,4-Dichlorobenzene		146	3.698	3.698	(1.005)	667699	50.0000	49
74 Benzyl Alcohol		108	3.845	3.845	(1.045)	343389	50.0000	55

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10410.d
 Report Date: 30-Sep-2011 14:26

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.850	3.850	(1.046)	622416	50.0000	50
3 2-Methylphenol	108	3.980	3.980	(1.082)	481176	50.0000	51
24 bis (2-chloroisopropyl) ether	45	3.980	3.980	(1.082)	570181	50.0000	49
122 o-Toluidine	107	4.098	4.098	(1.113)	625337	50.0000	50
104 Acetophenone	105	4.109	4.109	(1.117)	716096	50.0000	48
4 4-Methylphenol	108	4.145	4.145	(1.126)	531645	50.0000	50
121 3 & 4 Methylphenol	108	4.145	4.145	(1.126)	531645	50.0000	50
25 N-Nitroso-di-n-propylamine	70	4.127	4.127	(1.121)	342373	50.0000	48
26 Hexachloroethane	117	4.192	4.192	(1.139)	264051	50.0000	51
\$ 76 Nitrobenzene-d5 (SUR)	82	4.256	4.256	(0.856)	581400	50.0000	50
107 N,N-Dimethylaniline	120	4.286	4.286	(1.165)	843486	50.0000	53
27 Nitrobenzene	77	4.280	4.280	(0.860)	789211	50.0000	51
28 Isophorone	82	4.527	4.527	(0.910)	867648	50.0000	49
5 2-Nitrophenol	139	4.597	4.597	(0.924)	276347	50.0000	49
6 2,4-Dimethylphenol	122	4.674	4.674	(0.940)	449950	50.0000	52
29 bis(2-Chloroethoxy)methane	93	4.756	4.756	(0.956)	536883	50.0000	49
7 2,4-Dichlorophenol	162	4.850	4.850	(0.975)	377847	50.0000	49
30 1,2,4-Trichlorobenzene	180	4.927	4.927	(0.991)	445536	50.0000	49
* 80 Naphthalene-d8	136	4.974	4.974	(1.000)	1141596	40.0000	
31 Naphthalene	128	4.997	4.997	(1.005)	1575449	50.0000	50
32 4-Chloroaniline	127	5.068	5.068	(1.019)	536764	50.0000	49
33 Hexachlorobutadiene	225	5.139	5.139	(1.033)	270188	50.0000	49
111 Caprolactam	113	5.456	5.456	(1.097)	87630	50.0000	38
8 4-Chloro-3-methylphenol	107	5.592	5.592	(1.124)	388239	50.0000	49
34 2-Methylnaphthalene	142	5.692	5.692	(1.144)	913029	50.0000	49
120 1-Methylnaphthalene	142	5.792	5.792	(1.164)	934816	50.0000	49
35 Hexachlorocyclopentadiene	237	5.862	5.862	(0.872)	240686	50.0000	56
9 2,4,6-Trichlorophenol	196	5.992	5.992	(0.891)	237679	50.0000	52
10 2,4,5-Trichlorophenol	196	6.033	6.033	(0.898)	236705	50.0000	50
\$ 77 2-Fluorobiphenyl (SUR)	172	6.068	6.068	(0.903)	904755	50.0000	50
102 Diphenyl	154	6.168	6.168	(0.918)	1091920	50.0000	52
36 2-Chloronaphthalene	162	6.174	6.174	(0.919)	771415	50.0000	52
103 Diphenyl Ether	170	6.268	6.268	(0.933)	541791	50.0000	51
37 2-Nitroaniline	65	6.292	6.292	(0.936)	225175	50.0000	45
38 Dimethylphthalate	163	6.486	6.486	(0.965)	701521	50.0000	47
114 Coumarin	146	6.486	6.486	(1.304)	244468	50.0000	45
40 2,6-Dinitrotoluene	165	6.539	6.539	(0.973)	161047	50.0000	47
39 Acenaphthylene	152	6.580	6.580	(0.979)	1200165	50.0000	51
41 3-Nitroaniline	138	6.697	6.697	(0.996)	169062	50.0000	46
* 82 Acenaphthene-d10	164	6.721	6.721	(1.000)	497218	40.0000	
42 Acenaphthene	154	6.750	6.750	(1.004)	713939	50.0000	49
11 2,4-Dinitrophenol	184	6.803	6.803	(1.012)	79902	50.0000	46
12 4-Nitrophenol	65	6.903	6.903	(1.027)	121928	50.0000	43
44 2,4-Dinitrotoluene	165	6.933	6.933	(1.032)	198196	50.0000	45
43 Dibenzofuran	168	6.921	6.921	(1.030)	968560	50.0000	49
45 Diethylphthalate	149	7.180	7.180	(1.068)	707312	50.0000	46
46 4-Chlorophenyl-phenylether	204	7.268	7.268	(1.081)	342366	50.0000	48

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10410.d
 Report Date: 30-Sep-2011 14:26

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
47 Fluorene	166	7.256	7.256	(1.080)	773575	50.0000	49
48 4-Nitroaniline	138	7.297	7.297	(1.086)	135623	50.0000	44
13 4,6-Dinitro-2-methylphenol	198	7.333	7.333	(0.898)	96539	50.0000	50
49 N-Nitrosodiphenylamine	169	7.391	7.391	(0.906)	462997	50.0000	51
75 1,2-Diphenylhydrazine	77	7.421	7.421	(0.909)	871220	50.0000	53
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.497	7.497	(1.116)	102242	50.0000	44
50 4-Bromophenyl-phenylether	248	7.744	7.744	(0.949)	182892	50.0000	51
51 Hexachlorobenzene	284	7.803	7.803	(0.956)	200799	50.0000	52
112 Atrazine	200	7.927	7.927	(0.971)	136731	50.0000	46
14 Pentachlorophenol	266	7.997	7.997	(0.980)	105185	50.0000	51
* 83 Phenanthrene-d10	188	8.162	8.162	(1.000)	585382	40.0000	
52 Phenanthrene	178	8.185	8.185	(1.003)	875868	50.0000	52
53 Anthracene	178	8.238	8.238	(1.009)	860396	50.0000	50
54 Carbazole	167	8.403	8.403	(1.030)	673655	50.0000	48
55 Di-n-butylphthalate	149	8.774	8.774	(1.075)	893338	50.0000	47
56 Fluoranthene	202	9.344	9.344	(1.145)	645801	50.0000	45
58 Benzidine	184	9.485	9.485	(1.162)	36698	50.0000	23
57 Pyrene	202	9.556	9.556	(0.886)	634328	50.0000	51
\$ 78 Terphenyl-d14	244	9.732	9.732	(0.903)	441555	50.0000	50
59 Butylbenzylphthalate	149	10.227	10.227	(0.949)	257008	50.0000	45
109 2,3,7,8-TCDD (Screen)	320	10.303	10.303	(0.956)	731	0.50000	0.54
60 3,3'-Dichlorobenzidine	252	10.756	10.756	(0.998)	108912	50.0000	43
61 Benzo(a)anthracene	228	10.768	10.768	(0.999)	437184	50.0000	48
* 81 Chrysene-d12	240	10.779	10.779	(1.000)	294263	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.856	10.856	(1.007)	329430	50.0000	43
62 Chrysene	228	10.809	10.809	(1.003)	414339	50.0000	50
64 Di-n-octylphthalate	149	11.621	11.621	(0.929)	432631	50.0000	40
65 Benzo(b)fluoranthene	252	12.032	12.032	(0.962)	313269	50.0000	49
66 Benzo(k)fluoranthene	252	12.062	12.062	(0.965)	352129	50.0000	49
67 Benzo(a)pyrene	252	12.432	12.432	(0.994)	263451	50.0000	50
* 84 Perylene-d12	264	12.503	12.503	(1.000)	215710	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.856	13.856	(1.108)	229939	50.0000	53
69 Dibenz(a,h)anthracene	278	13.891	13.891	(1.111)	243654	50.0000	54
70 Benzo(g,h,i)perylene	276	14.185	14.185	(1.135)	249075	50.0000	54

Data File: z10410.d

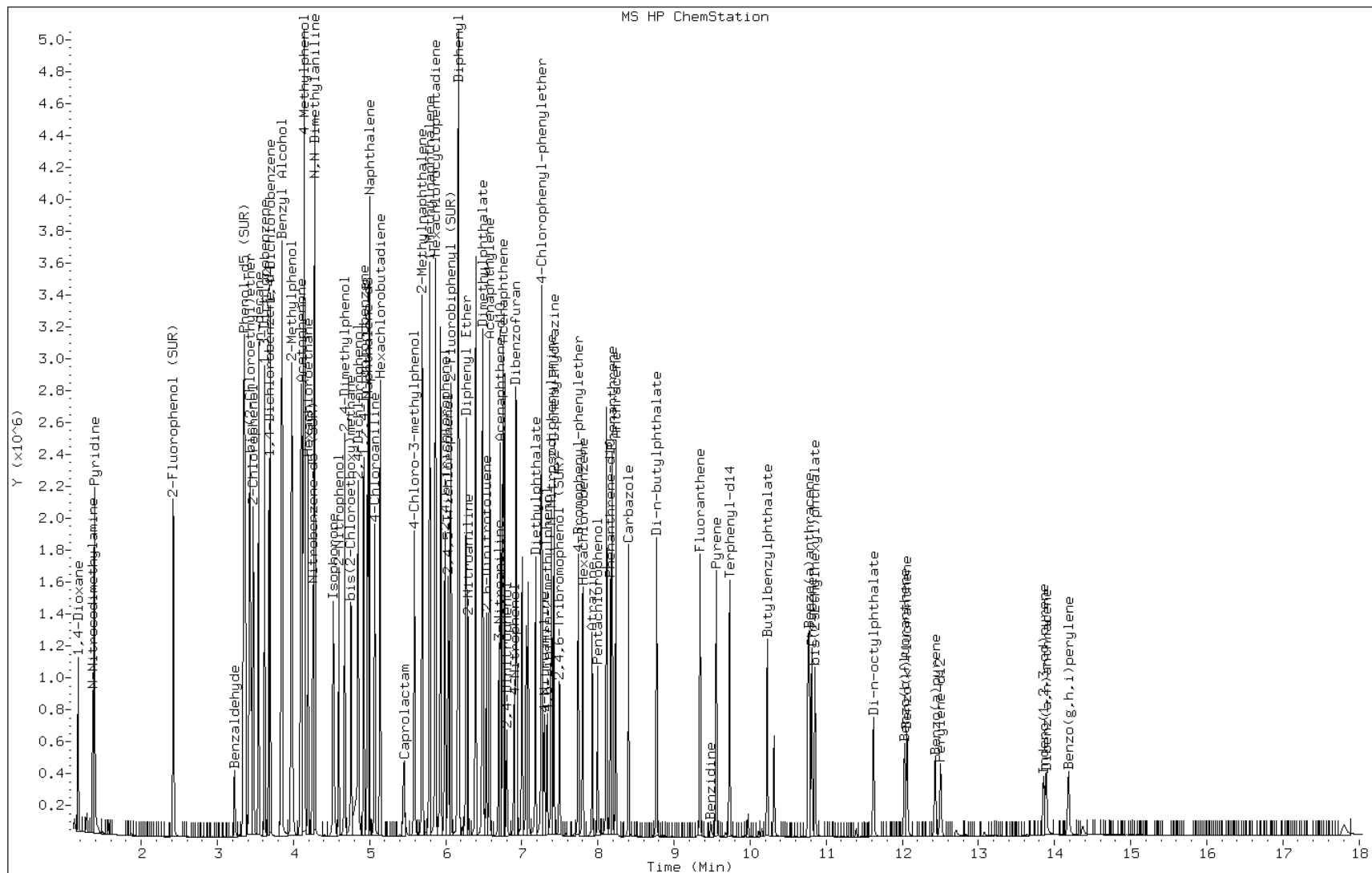
Date: 30-SEP-2011 13:59

Client ID:

Instrument: BNAMS11.i

Sample Info: CCVIS-1143618

Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Lab Sample ID: CCV 460-88071/1 Calibration Date: 09/30/2011 17:13

Instrument ID: BNAMS11 Calib Start Date: 09/26/2011 10:59

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 09/26/2011 12:50

Lab File ID: z10417.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6474	0.6626	0.0500	51200	50000	2.3	25.0
N-Nitrosodimethylamine	Ave	0.8311	0.8534	0.0500	51300	50000	2.7	25.0
Pyridine	Ave	1.503	1.547	0.0500	51400	50000	2.9	25.0
Benzaldehyde	Ave	0.4704	0.4599	0.0500	48900	50000	-2.2	25.0
Aniline	Ave	1.901	1.934	0.0500	50900	50000	1.8	25.0
Phenol	Ave	1.747	1.663	0.0500	47600	50000	-4.8	25.0
Bis(2-chloroethyl)ether	Ave	1.343	1.338	0.0500	49800	50000	-0.4	25.0
2-Chlorophenol	Ave	1.390	1.406	0.0500	50600	50000	1.1	25.0
n-Decane	Ave	1.283	1.213	0.0500	47300	50000	-5.5	25.0
1,3-Dichlorobenzene	Ave	1.618	1.601	0.0500	49500	50000	-1.0	25.0
1,4-Dichlorobenzene	Ave	1.642	1.626	0.0500	49500	50000	-0.9	25.0
Benzyl alcohol	Ave	0.7598	0.6956	0.0500	45800	50000	-8.4	25.0
1,2-Dichlorobenzene	Ave	1.519	1.507	0.0500	49600	50000	-0.8	25.0
2,2'-oxybis[1-chloropropane]	Ave	1.413	1.348	0.0500	47700	50000	-4.6	25.0
2-Methylphenol	Ave	1.152	1.142	0.0500	49600	50000	-0.8	25.0
o-Toluidine	Ave	1.535	1.504	0.0500	49000	50000	-2.1	25.0
Acetophenone	Ave	1.820	1.725	0.0500	47400	50000	-5.2	25.0
N-Nitrosodi-n-propylamine	Ave	0.8707	0.8278	0.0500	47500	50000	-4.9	25.0
3 & 4 Methylphenol	Ave	1.296	1.304	0.0500	50300	50000	0.6	25.0
4-Methylphenol	Ave	1.296	1.304	0.0500	50300	50000	0.6	25.0
Hexachloroethane	Ave	0.6334	0.6343	0.0500	50100	50000	0.1	25.0
Nitrobenzene	Ave	0.5433	0.5522	0.0500	50800	50000	1.6	25.0
n,n'-Dimethylaniline	Ave	1.946	2.027	0.0500	52100	50000	4.2	25.0
Isophorone	Ave	0.6190	0.5922	0.0500	47800	50000	-4.3	25.0
2-Nitrophenol	Ave	0.1983	0.1896	0.0500	47800	50000	-4.4	25.0
2,4-Dimethylphenol	Ave	0.3053	0.3159	0.0500	51700	50000	3.5	25.0
Bis(2-chloroethoxy)methane	Ave	0.3832	0.3771	0.0500	49200	50000	-1.6	25.0
2,4-Dichlorophenol	Ave	0.2678	0.2650	0.0500	49500	50000	-1.1	25.0
1,2,4-Trichlorobenzene	Ave	0.3173	0.3150	0.0500	49600	50000	-0.7	25.0
Naphthalene	Ave	1.099	1.091	0.0500	49600	50000	-0.7	25.0
4-Chloroaniline	Ave	0.3849	0.3731	0.0500	48500	50000	-3.1	25.0
Hexachlorobutadiene	Ave	0.1928	0.1925	0.0500	49900	50000	-0.2	25.0
Caprolactam	Ave	0.0812	0.0635	0.0500	39100	50000	-21.7	25.0
4-Chloro-3-methylphenol	Ave	0.2770	0.2696	0.0500	48700	50000	-2.7	25.0
2-Methylnaphthalene	Ave	0.6534	0.6339	0.0500	48500	50000	-3.0	25.0
1-Methylnaphthalene	Ave	0.6708	0.6518	0.0500	48600	50000	-2.8	25.0
Hexachlorocyclopentadiene	Ave	0.3488	0.3425	0.0500	49100	50000	-1.8	25.0
2,4,6-Trichlorophenol	Ave	0.3705	0.3709	0.0500	50000	50000	0.0	25.0
2,4,5-Trichlorophenol	Ave	0.3779	0.3727	0.0500	49300	50000	-1.4	25.0
1,1'-Biphenyl	Ave	1.702	1.719	0.0500	50500	50000	1.0	25.0
2-Chloronaphthalene	Ave	1.203	1.262	0.0500	52500	50000	4.9	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Lab Sample ID: CCV 460-88071/1 Calibration Date: 09/30/2011 17:13

Instrument ID: BNAMS11 Calib Start Date: 09/26/2011 10:59

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 09/26/2011 12:50

Lab File ID: z10417.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8543	0.8754	0.0500	51200	50000	2.5	25.0
2-Nitroaniline	Ave	0.3986	0.3612	0.0500	45300	50000	-9.4	25.0
Coumarin	Ave	0.1908	0.1675	0.0500	43900	50000	-12.2	25.0
Dimethyl phthalate	Ave	1.208	1.150	0.0500	47600	50000	-4.8	25.0
2,6-Dinitrotoluene	Ave	0.2760	0.2640	0.0500	47800	50000	-4.4	25.0
Acenaphthylene	Ave	1.895	1.926	0.0500	50800	50000	1.6	25.0
3-Nitroaniline	Ave	0.2940	0.2636	0.0500	44800	50000	-10.3	25.0
Acenaphthene	Ave	1.168	1.132	0.0500	48400	50000	-3.1	25.0
2,4-Dinitrophenol	Ave	0.1402	0.0756	0.0500	27000	50000	-46.1*	25.0
4-Nitrophenol	Ave	0.2299	0.1745	0.0500	37900	50000	-24.1	25.0
Dibenzofuran	Ave	1.576	1.519	0.0500	48200	50000	-3.6	25.0
2,4-Dinitrotoluene	Ave	0.3522	0.3185	0.0500	45200	50000	-9.6	25.0
Diethyl phthalate	Ave	1.235	1.146	0.0500	46400	50000	-7.2	25.0
Fluorene	Ave	1.273	1.230	0.0500	48300	50000	-3.3	25.0
4-Chlorophenyl phenyl ether	Ave	0.5795	0.5508	0.0500	47500	50000	-4.9	25.0
4-Nitroaniline	Ave	0.2492	0.2228	0.0500	44700	50000	-10.6	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1307	0.1022	0.0500	39100	50000	-21.8	25.0
N-Nitrosodiphenylamine	Ave	0.6179	0.6499	0.0500	52600	50000	5.2	25.0
1,2-Diphenylhydrazine	Ave	1.113	1.177	0.0500	52900	50000	5.7	25.0
4-Bromophenyl phenyl ether	Ave	0.2452	0.2502	0.0500	51000	50000	2.0	25.0
Hexachlorobenzene	Ave	0.2659	0.2771	0.0500	52100	50000	4.2	25.0
Atrazine	Ave	0.2035	0.2026	0.0500	49800	50000	-0.5	25.0
Pentachlorophenol	Ave	0.1420	0.1131	0.0500	39800	50000	-20.4	25.0
Phenanthrene	Ave	1.161	1.141	0.0500	49100	50000	-1.7	25.0
Anthracene	Ave	1.176	1.153	0.0500	49000	50000	-2.0	25.0
Carbazole	Ave	0.9491	0.9136	0.0500	48100	50000	-3.7	25.0
Di-n-butyl phthalate	Ave	1.296	1.234	0.0500	47600	50000	-4.8	25.0
Fluoranthene	Ave	0.9706	0.9176	0.0500	47300	50000	-5.5	25.0
Benzidine	Ave	0.1089	0.0931	0.0500	42800	50000	-14.5	25.0
Pyrene	Ave	1.693	1.656	0.0500	48900	50000	-2.2	25.0
Butyl benzyl phthalate	Ave	0.7744	0.7382	0.0500	47700	50000	-4.7	25.0
2,3,7,8-TCDD	Ave	0.1840	0.1580	0.0500	429	500	-14.1	25.0
3,3'-Dichlorobenzidine	Ave	0.3457	0.3318	0.0500	48000	50000	-4.0	25.0
Benzo[a]anthracene	Ave	1.242	1.171	0.0500	47100	50000	-5.8	25.0
Chrysene	Ave	1.118	1.128	0.0500	50500	50000	0.9	25.0
Bis(2-ethylhexyl) phthalate	Ave	1.038	0.9465	0.0500	45600	50000	-8.8	25.0
Di-n-octyl phthalate	Ave	2.015	1.710	0.0500	42400	50000	-15.1	25.0
Benzo[b]fluoranthene	Ave	1.190	1.157	0.0500	48600	50000	-2.8	25.0
Benzo[k]fluoranthene	Ave	1.332	1.328	0.0500	49800	50000	-0.4	25.0
Benzo[a]pyrene	Ave	0.9679	0.9747	0.0500	50400	50000	0.7	25.0
Indeno[1,2,3-cd]pyrene	Ave	0.7985	0.9376	0.0500	58700	50000	17.4	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: CCV 460-88071/1 Calibration Date: 09/30/2011 17:13
 Instrument ID: BNAMS11 Calib Start Date: 09/26/2011 10:59
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 09/26/2011 12:50
 Lab File ID: z10417.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenz(a,h)anthracene	Ave	0.8332	0.9555	0.0500	57300	50000	14.7	25.0
Benzo[g,h,i]perylene	Ave	0.8506	0.9713	0.0500	57100	50000	14.2	25.0
2-Fluorophenol (Surr)	Ave	1.352	1.366	0.0500	50500	50000	1.0	25.0
Phenol-d5 (Surr)	Ave	1.613	1.611	0.0500	49900	50000	-0.1	25.0
Nitrobenzene-d5 (Surr)	Ave	0.4100	0.4039	0.0500	49300	50000	-1.5	25.0
2-Fluorobiphenyl	Ave	1.439	1.486	0.0500	51600	50000	3.2	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.1860	0.1674	0.0500	45000	50000	-10.0	25.0
Terphenyl-d14 (Surr)	Ave	1.204	1.151	0.0500	47800	50000	-4.4	25.0

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11br.b/z10417.d
 Report Date: 01-Oct-2011 04:46

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11br.b/z10417.d
 Lab Smp Id: CCV-1143618
 Inj Date : 30-SEP-2011 17:13
 Operator : BNAMS 4
 Smp Info : CCV-1143618
 Misc Info : 50 ppm bna 4587
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11br.b/8270Cdel_08.m
 Meth Date : 01-Oct-2011 04:46 asfawa
 Cal Date : 30-SEP-2011 17:13
 Als bottle: 9
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i

Quant Type: ISTD

Cal File: z10417.d

Continuing Calibration Sample

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.168	1.168	(0.317)	270877	50.0000	51
19 N-Nitrosodimethylamine		74	1.368	1.368	(0.372)	348906	50.0000	51
71 Pyridine		79	1.380	1.380	(0.375)	632353	50.0000	51
\$ 16 2-Fluorophenol (SUR)		112	2.421	2.421	(0.658)	558534	50.0000	50
110 Benzaldehyde		77	3.227	3.227	(0.877)	188009	50.0000	49
\$ 17 Phenol-d5 (SUR)		99	3.351	3.351	(0.910)	658557	50.0000	50
1 Phenol		94	3.368	3.368	(0.915)	679955	50.0000	48
73 Aniline		93	3.351	3.351	(0.910)	790749	50.0000	51
20 bis(2-Chloroethyl)ether		93	3.427	3.427	(0.931)	547054	50.0000	50
2 2-Chlorophenol		128	3.474	3.474	(0.944)	574719	50.0000	50
113 n-decane		43	3.545	3.545	(0.963)	495837	50.0000	47
21 1,3-Dichlorobenzene		146	3.621	3.621	(0.984)	654667	50.0000	49
* 79 1,4-Dichlorobenzene-d4		152	3.680	3.680	(1.000)	327071	40.0000	
22 1,4-Dichlorobenzene		146	3.698	3.698	(1.005)	664868	50.0000	50
74 Benzyl Alcohol		108	3.845	3.845	(1.045)	284400	50.0000	46

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11br.b/z10417.d
Report Date: 01-Oct-2011 04:46

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.851	3.851	(1.046)	615965	50.0000	50
3 2-Methylphenol	108	3.980	3.980	(1.081)	467031	50.0000	50
24 bis (2-chloroisopropyl) ether	45	3.980	3.980	(1.081)	551251	50.0000	48
122 o-Toluidine	107	4.098	4.098	(1.113)	614700	50.0000	49
104 Acetophenone	105	4.109	4.109	(1.117)	705336	50.0000	47
4 4-Methylphenol	108	4.145	4.145	(1.126)	533004	50.0000	50
121 3 & 4 Methylphenol	108	4.145	4.145	(1.126)	533004	50.0000	50
25 N-Nitroso-di-n-propylamine	70	4.127	4.127	(1.121)	338427	50.0000	48
26 Hexachloroethane	117	4.192	4.192	(1.139)	259321	50.0000	50
\$ 76 Nitrobenzene-d5 (SUR)	82	4.256	4.256	(0.856)	568619	50.0000	49
107 N,N-Dimethylaniline	120	4.286	4.286	(1.165)	828705	50.0000	52
27 Nitrobenzene	77	4.280	4.280	(0.860)	777391	50.0000	51
28 Isophorone	82	4.527	4.527	(0.910)	833651	50.0000	48
5 2-Nitrophenol	139	4.598	4.598	(0.924)	266925	50.0000	48
6 2,4-Dimethylphenol	122	4.674	4.674	(0.940)	444707	50.0000	52
29 bis(2-Chloroethoxy)methane	93	4.756	4.756	(0.956)	530846	50.0000	49
7 2,4-Dichlorophenol	162	4.856	4.856	(0.976)	373041	50.0000	49
30 1,2,4-Trichlorobenzene	180	4.927	4.927	(0.991)	443439	50.0000	50
* 80 Naphthalene-d8	136	4.974	4.974	(1.000)	1126273	40.0000	
31 Naphthalene	128	4.998	4.998	(1.005)	1535497	50.0000	50
32 4-Chloroaniline	127	5.068	5.068	(1.019)	525298	50.0000	48
33 Hexachlorobutadiene	225	5.139	5.139	(1.033)	270966	50.0000	50
111 Caprolactam	113	5.456	5.456	(1.097)	89442	50.0000	39
8 4-Chloro-3-methylphenol	107	5.592	5.592	(1.124)	379520	50.0000	49
34 2-Methylnaphthalene	142	5.692	5.692	(1.144)	892420	50.0000	48
120 1-Methylnaphthalene	142	5.792	5.792	(1.164)	917599	50.0000	48
35 Hexachlorocyclopentadiene	237	5.862	5.862	(0.872)	204049	50.0000	49
9 2,4,6-Trichlorophenol	196	5.992	5.992	(0.891)	220935	50.0000	50
10 2,4,5-Trichlorophenol	196	6.033	6.033	(0.898)	222022	50.0000	49
\$ 77 2-Fluorobiphenyl (SUR)	172	6.068	6.068	(0.903)	885003	50.0000	52
102 Diphenyl	154	6.162	6.162	(0.917)	1024081	50.0000	50
36 2-Chloronaphthalene	162	6.174	6.174	(0.919)	751820	50.0000	52
103 Diphenyl Ether	170	6.268	6.268	(0.933)	521542	50.0000	51
37 2-Nitroaniline	65	6.292	6.292	(0.936)	215201	50.0000	45
38 Dimethylphthalate	163	6.486	6.486	(0.965)	685210	50.0000	48
114 Coumarin	146	6.486	6.486	(1.304)	235813	50.0000	44
40 2,6-Dinitrotoluene	165	6.539	6.539	(0.973)	157285	50.0000	48
39 Acenaphthylene	152	6.580	6.580	(0.979)	1147145	50.0000	51
41 3-Nitroaniline	138	6.697	6.697	(0.996)	157060	50.0000	45
* 82 Acenaphthene-d10	164	6.721	6.721	(1.000)	476600	40.0000	
42 Acenaphthene	154	6.750	6.750	(1.004)	674473	50.0000	48
11 2,4-Dinitrophenol	184	6.803	6.803	(1.012)	45026	50.0000	27
12 4-Nitrophenol	65	6.897	6.897	(1.026)	103929	50.0000	38
44 2,4-Dinitrotoluene	165	6.933	6.933	(1.032)	189719	50.0000	45
43 Dibenzofuran	168	6.921	6.921	(1.030)	904985	50.0000	48
45 Diethylphthalate	149	7.180	7.180	(1.068)	683022	50.0000	46
46 4-Chlorophenyl-phenylether	204	7.268	7.268	(1.081)	328134	50.0000	48

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11br.b/z10417.d
Report Date: 01-Oct-2011 04:46

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
47 Fluorene	166	7.256	7.256	(1.080)	732890	50.0000	48
48 4-Nitroaniline	138	7.297	7.297	(1.086)	132750	50.0000	45
13 4,6-Dinitro-2-methylphenol	198	7.333	7.333	(0.898)	72213	50.0000	39
49 N-Nitrosodiphenylamine	169	7.391	7.391	(0.906)	459336	50.0000	52
75 1,2-Diphenylhydrazine	77	7.421	7.421	(0.909)	832020	50.0000	53
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.497	7.497	(1.116)	99735	50.0000	45
50 4-Bromophenyl-phenylether	248	7.739	7.739	(0.948)	176825	50.0000	51
51 Hexachlorobenzene	284	7.797	7.797	(0.955)	195822	50.0000	52
112 Atrazine	200	7.927	7.927	(0.971)	143165	50.0000	50
14 Pentachlorophenol	266	7.997	7.997	(0.980)	79937	50.0000	40
* 83 Phenanthrene-d10	188	8.162	8.162	(1.000)	565448	40.0000	
52 Phenanthrene	178	8.186	8.186	(1.003)	806281	50.0000	49
53 Anthracene	178	8.238	8.238	(1.009)	814702	50.0000	49
54 Carbazole	167	8.403	8.403	(1.030)	645719	50.0000	48
55 Di-n-butylphthalate	149	8.774	8.774	(1.075)	872149	50.0000	48
56 Fluoranthene	202	9.338	9.338	(1.144)	648558	50.0000	47
58 Benzidine	184	9.485	9.485	(1.162)	65824	50.0000	43
57 Pyrene	202	9.556	9.556	(0.886)	626670	50.0000	49
\$ 78 Terphenyl-d14	244	9.732	9.732	(0.903)	435672	50.0000	48
59 Butylbenzylphthalate	149	10.227	10.227	(0.949)	279392	50.0000	48
109 2,3,7,8-TCDD (Screen)	320	10.297	10.297	(0.955)	598	0.50000	0.43(a)
60 3,3'-Dichlorobenzidine	252	10.756	10.756	(0.998)	125596	50.0000	48
61 Benzo(a)anthracene	228	10.768	10.768	(0.999)	443220	50.0000	47
* 81 Chrysene-d12	240	10.780	10.780	(1.000)	302795	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.856	10.856	(1.007)	358252	50.0000	46
62 Chrysene	228	10.809	10.809	(1.003)	427013	50.0000	50
64 Di-n-octylphthalate	149	11.621	11.621	(0.929)	509012	50.0000	42
65 Benzo(b)fluoranthene	252	12.032	12.032	(0.962)	344371	50.0000	49
66 Benzo(k)fluoranthene	252	12.062	12.062	(0.965)	395342	50.0000	50
67 Benzo(a)pyrene	252	12.432	12.432	(0.994)	290213	50.0000	50
* 84 Perylene-d12	264	12.503	12.503	(1.000)	238201	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.862	13.862	(1.109)	279175	50.0000	59
69 Dibenz(a,h)anthracene	278	13.891	13.891	(1.111)	284502	50.0000	57
70 Benzo(g,h,i)perylene	276	14.185	14.185	(1.135)	289219	50.0000	57

QC Flag Legend

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

Data File: z10417.d

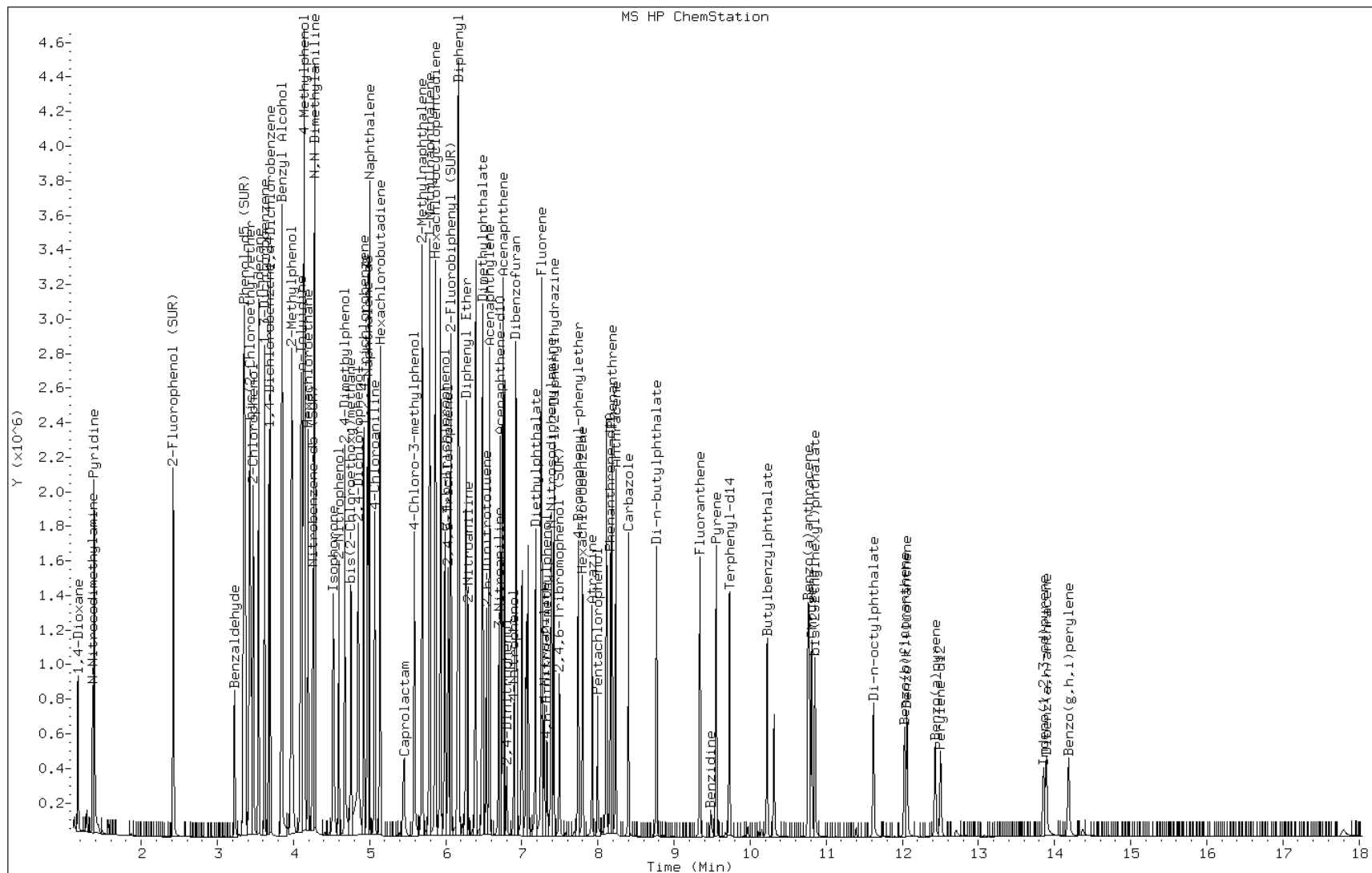
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Client ID:

Instrument: BNAMS11.i

Sample Info: CCV-1143618

Operator: BNAMS 4



Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10237.d
Report Date: 26-Sep-2011 14:33

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10237.d
Lab Smp Id: DFTPP-937638
Inj Date : 26-SEP-2011 10:44
Operator : BNA2
Smp Info : DFTPP-937638
Misc Info : 25 ppm dftpp bna 4557
Comment :
Method : /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/DFTPP8270DEL.m
Meth Date : 23-Aug-2011 11:00 croccom Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Compound Sublist: all.sub
Sample Matrix: None

					CONCENTRATIONS				
					ON-COL	FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====		=====
1 dftpp					CAS #:				
4.624	4.748	-0.124	198	29173			0.00-	100.00	100.00
4.624	4.748	-0.124	51	12452			30.00-	60.00	42.68
4.624	4.748	-0.124	68	0			0.00-	2.00	0.00
4.624	4.748	-0.124	69	12578			0.00-	0.00	43.12
4.624	4.748	-0.124	70	0			0.00-	2.00	0.00
4.624	4.748	-0.124	127	14981			40.00-	60.00	51.35
4.624	4.748	-0.124	197	0			0.00-	1.00	0.00
4.624	4.748	-0.124	199	1948			5.00-	9.00	6.68
4.624	4.748	-0.124	275	8726			10.00-	30.00	29.91
4.624	4.748	-0.124	365	1454			1.00-	0.00	4.98
4.624	4.748	-0.124	441	4407			0.01-	100.00	78.15
4.624	4.748	-0.124	442	29050			40.00-	110.00	99.58
4.624	4.748	-0.124	443	5639			17.00-	23.00	19.41

Data File: z10237.d

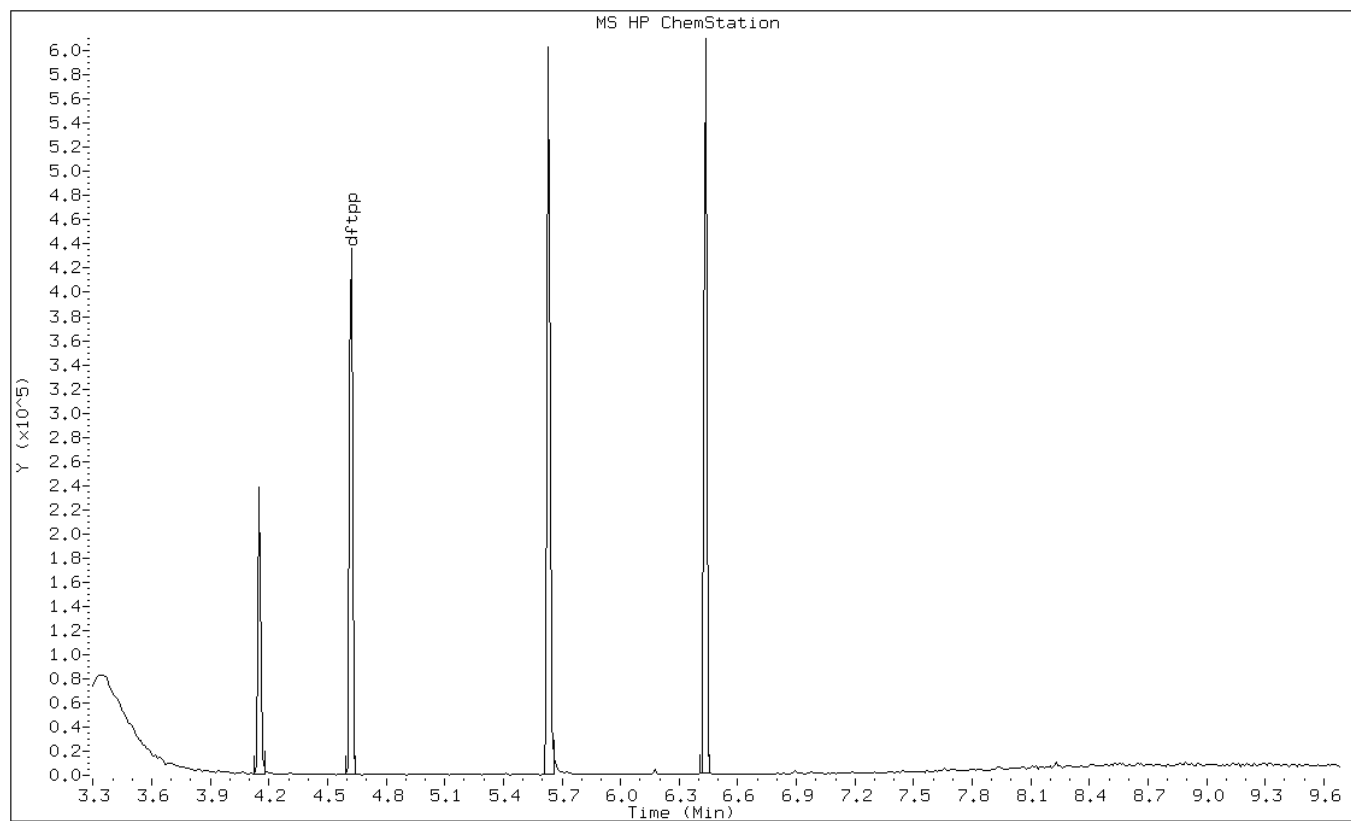
Date: 26-SEP-2011 10:44

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-937638

Operator: BNA2



Data File: z10237.d

Date: 26-SEP-2011 10:44

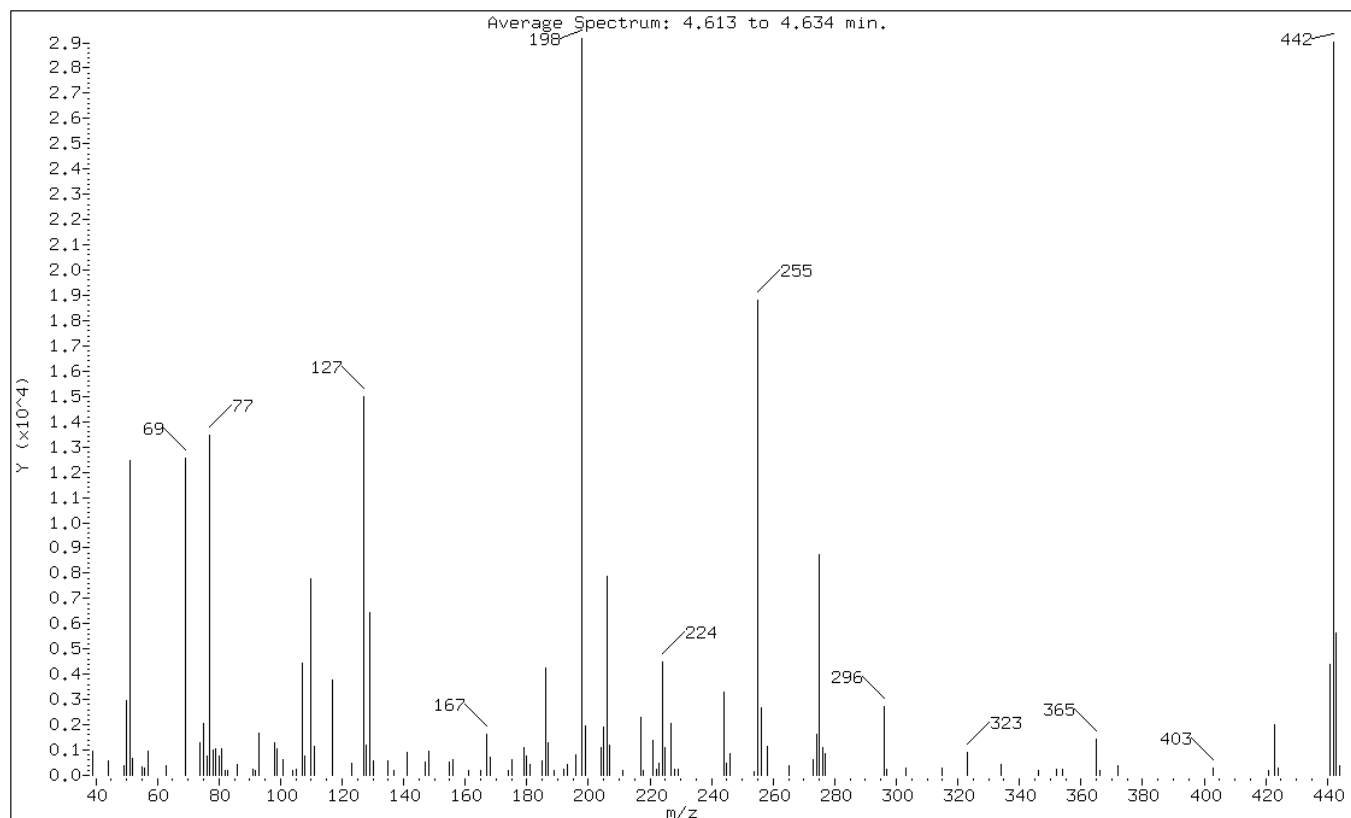
Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-937638

Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.68
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	43.12
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	51.35
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.68
275	10.00 - 30.00% of mass 198	29.91
365	Greater than 1.00% of mass 198	4.98
441	0.01 - 100.00% of mass 443	15.11 (78.15)
442	40.00 - 110.00% of mass 198	99.58
443	17.00 - 23.00% of mass 442	19.33 (19.41)

Data File: z10237.d

Date: 26-SEP-2011 10:44

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-937638

Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/26sep11.b/z10237.d
Spectrum: Average Spectrum: 4.613 to 4.634 min.
Location of Maximum: 198.00
Number of points: 113

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	932	105.00	215	187.00	1299	265.00	384
44.00	571	107.00	4446	189.00	169	273.00	616
49.00	384	108.00	763	192.00	235	274.00	1617
50.00	2953	110.00	7773	193.00	417	275.00	8726
51.00	12452	111.00	1165	196.00	802	276.00	1118
52.00	681	117.00	3752	198.00	29168	277.00	858
55.00	356	123.00	465	199.00	1948	296.00	2738
56.00	309	127.00	14981	204.00	1099	297.00	259
57.00	974	128.00	1198	205.00	1923	303.00	307
63.00	367	129.00	6438	206.00	7863	315.00	307
69.00	12578	130.00	576	207.00	1214	323.00	917
74.00	1269	135.00	557	211.00	170	334.00	442
75.00	2033	137.00	174	217.00	2269	346.00	171
76.00	755	141.00	914	218.00	199	352.00	242
77.00	13464	147.00	516	221.00	1405	354.00	215
78.00	982	148.00	970	222.00	237	365.00	1454
79.00	1031	155.00	514	223.00	489	366.00	184
80.00	761	156.00	633	224.00	4475	372.00	366
81.00	1044	161.00	213	225.00	1109	403.00	281
82.00	183	165.00	179	227.00	2059	421.00	196
83.00	171	167.00	1616	228.00	227	423.00	2004
86.00	406	168.00	709	229.00	246	424.00	304
91.00	229	174.00	200	244.00	3291	441.00	4407
92.00	179	175.00	600	245.00	471	442.00	29048
93.00	1671	179.00	1107	246.00	842	443.00	5639
98.00	1312	180.00	749	254.00	166	444.00	402
99.00	1038	181.00	420	255.00	18824		
101.00	602	185.00	554	256.00	2676		
104.00	211	186.00	4259	258.00	1133		

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10409.d
 Report Date: 30-Sep-2011 13:57

TestAmerica

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10409.d
 Lab Smp Id: DFTPP-937638
 Inj Date : 30-SEP-2011 13:43
 Operator : BNA2
 Smp Info : DFTPP-937638
 Misc Info : 25 ppm dftpp bna 4557
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/DFTPP8270DEL.m
 Meth Date : 23-Aug-2011 11:00 croccom
 Cal Date :
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: BNAMS11.i

Quant Type: ESTD

Cal File:

QC Sample: DFTPP

Compound Sublist: all.sub

Sample Matrix: None

CONCENTRATIONS									
					ON-COL	FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====		=====
1 dftpp					CAS #:				
4.510	4.748	-0.238	198	23268			0.00-	100.00	100.00
4.510	4.748	-0.238	51	10328			30.00-	60.00	44.39
4.510	4.748	-0.238	68	0			0.00-	2.00	0.00
4.510	4.748	-0.238	69	10279			0.00-	0.00	44.18
4.510	4.748	-0.238	70	0			0.00-	2.00	0.00
4.510	4.748	-0.238	127	12589			40.00-	60.00	54.10
4.510	4.748	-0.238	197	0			0.00-	1.00	0.00
4.510	4.748	-0.238	199	1543			5.00-	9.00	6.63
4.510	4.748	-0.238	275	6877			10.00-	30.00	29.56
4.510	4.748	-0.238	365	1274			1.00-	0.00	5.48
4.510	4.748	-0.238	441	3264			0.01-	100.00	82.80
4.510	4.748	-0.238	442	21024			40.00-	110.00	90.36
4.510	4.748	-0.238	443	3942			17.00-	23.00	18.75

Data File: z10409.d

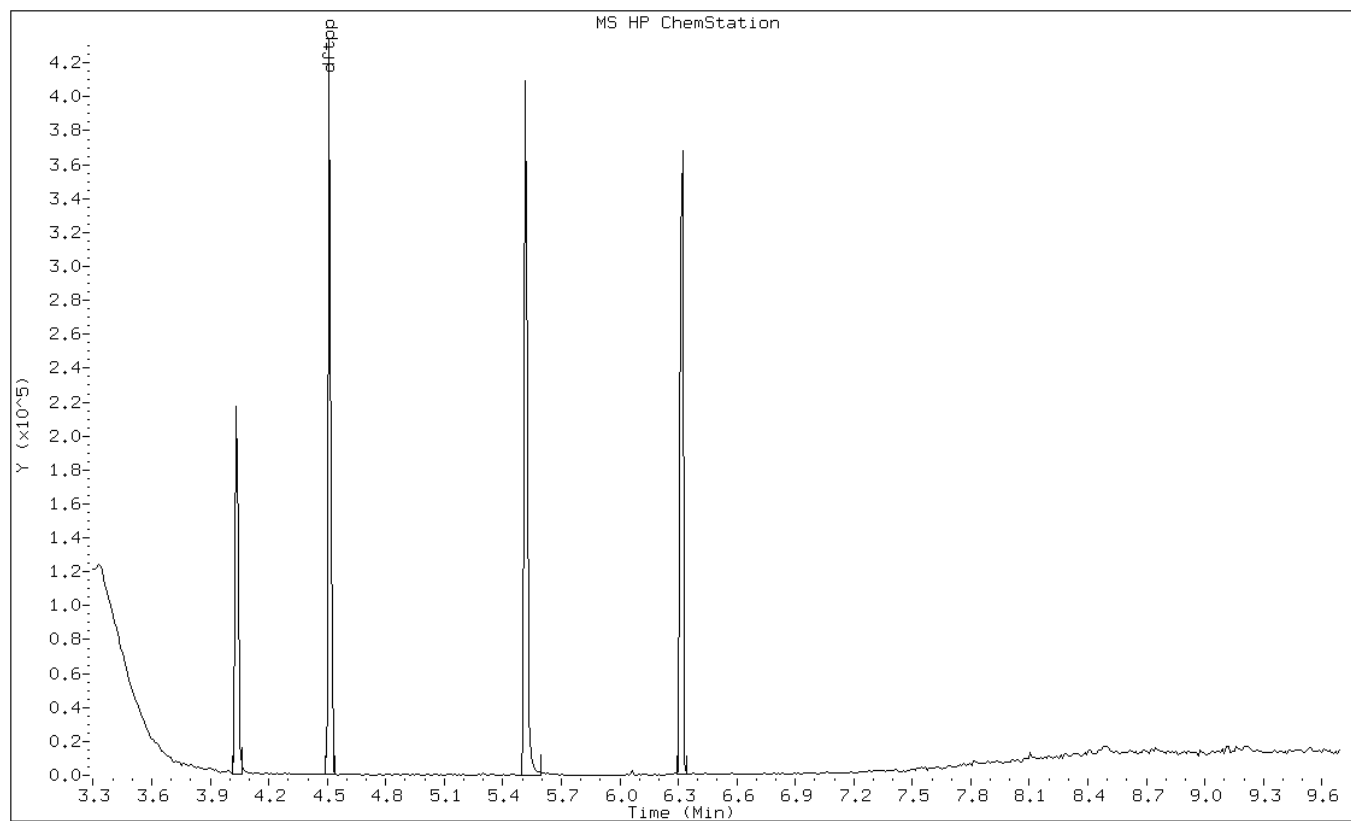
Date: 30-SEP-2011 13:43

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-937638

Operator: BNA2



Data File: z10409.d

Date: 30-SEP-2011 13:43

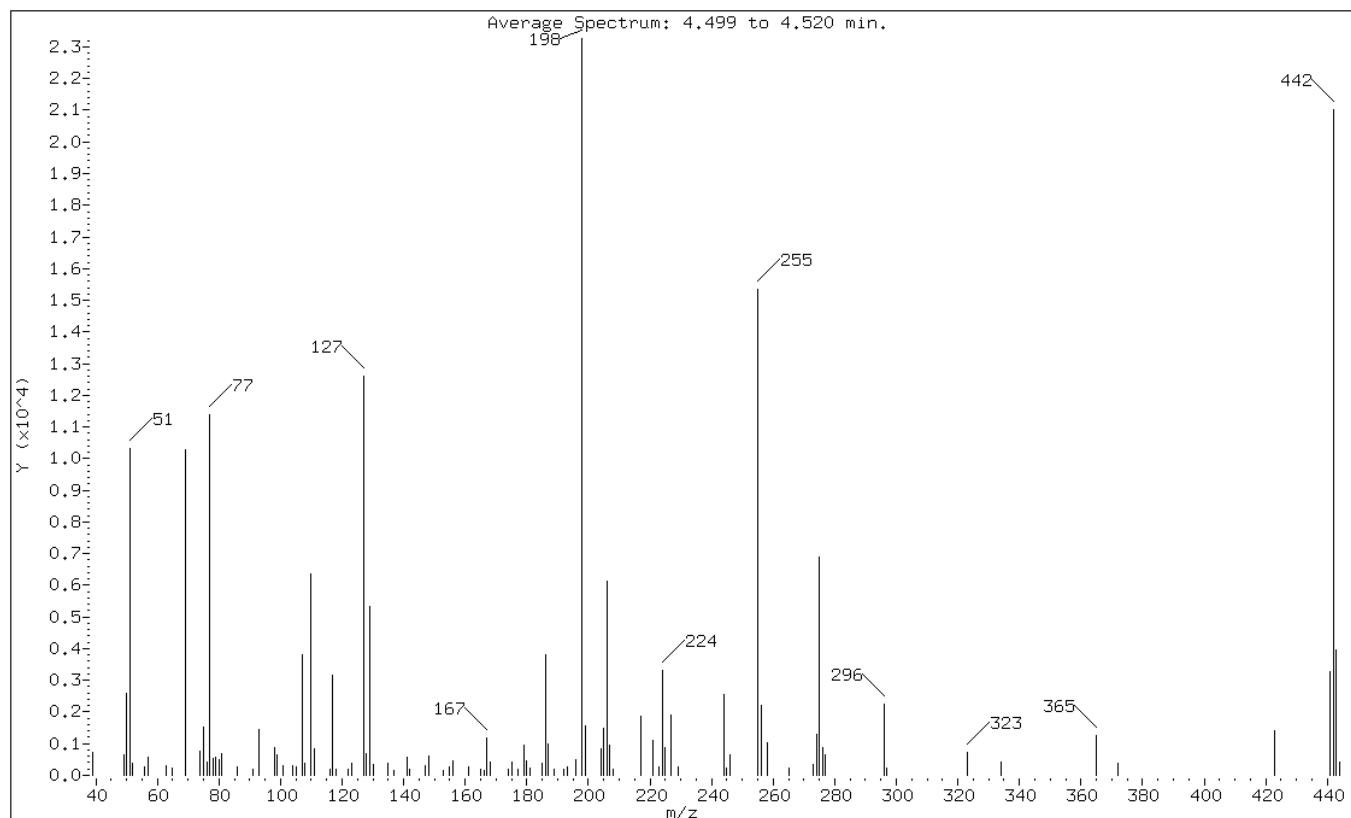
Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-937638

Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	44.39
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	44.18
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	54.10
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.63
275	10.00 - 30.00% of mass 198	29.56
365	Greater than 1.00% of mass 198	5.48
441	0.01 - 100.00% of mass 443	14.03 (82.80)
442	40.00 - 110.00% of mass 198	90.36
443	17.00 - 23.00% of mass 442	16.94 (18.75)

Data File: z10409.d

Date: 30-SEP-2011 13:43

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-937638

Operator: BNA2

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10409.d

Spectrum: Average Spectrum: 4.499 to 4.520 min.

Location of Maximum: 198.00

Number of points: 103

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	725	107.00	3790	168.00	411	227.00	1910
49.00	640	108.00	386	174.00	202	229.00	277
50.00	2604	110.00	6346	175.00	410	244.00	2556
51.00	10328	111.00	841	177.00	205	245.00	234
52.00	393	116.00	196	179.00	941	246.00	649
56.00	256	117.00	3157	180.00	464	255.00	15334
57.00	575	118.00	178	181.00	226	256.00	2208
63.00	292	122.00	208	185.00	368	258.00	1013
65.00	211	123.00	362	186.00	3816	265.00	230
69.00	10279	127.00	12589	187.00	980	273.00	340
74.00	751	128.00	699	189.00	173	274.00	1312
75.00	1528	129.00	5313	192.00	209	275.00	6877
76.00	408	130.00	330	193.00	272	276.00	874
77.00	11371	135.00	367	196.00	504	277.00	654
78.00	526	137.00	167	198.00	23264	296.00	2253
79.00	568	141.00	564	199.00	1543	297.00	232
80.00	502	142.00	201	204.00	824	323.00	737
81.00	697	147.00	301	205.00	1476	334.00	437
86.00	257	148.00	614	206.00	6125	365.00	1274
91.00	183	153.00	167	207.00	936	372.00	394
93.00	1453	155.00	256	208.00	208	423.00	1394
98.00	873	156.00	454	217.00	1879	441.00	3264
99.00	635	161.00	281	221.00	1118	442.00	21024
101.00	311	165.00	204	223.00	264	443.00	3942
104.00	303	166.00	167	224.00	3319	444.00	408
105.00	255	167.00	1164	225.00	869		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-87558/1-A
 Matrix: Solid Lab File ID: z10412.d
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3541 Date Extracted: 09/28/2011 11:30
 Sample wt/vol: 15.00(g) Date Analyzed: 09/30/2011 15:08
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: _____ Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 88069 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	330	U	330	21
108-95-2	Phenol	330	U	330	41
111-44-4	Bis(2-chloroethyl)ether	33	U	33	6.9
95-57-8	2-Chlorophenol	330	U	330	44
95-48-7	2-Methylphenol	330	U	330	48
108-60-1	2,2'-oxybis[1-chloropropane]	330	U	330	43
98-86-2	Acetophenone	330	U	330	49
106-44-5	4-Methylphenol	330	U	330	54
621-64-7	N-Nitrosodi-n-propylamine	33	U	33	4.4
67-72-1	Hexachloroethane	33	U	33	5.6
98-95-3	Nitrobenzene	33	U	33	7.4
78-59-1	Isophorone	330	U	330	38
88-75-5	2-Nitrophenol	330	U	330	54
105-67-9	2,4-Dimethylphenol	330	U	330	53
111-91-1	Bis(2-chloroethoxy)methane	330	U	330	47
120-83-2	2,4-Dichlorophenol	330	U	330	53
91-20-3	Naphthalene	330	U	330	48
106-47-8	4-Chloroaniline	330	U	330	42
87-68-3	Hexachlorobutadiene	67	U	67	13
105-60-2	Caprolactam	330	U	330	45
59-50-7	4-Chloro-3-methylphenol	330	U	330	56
91-57-6	2-Methylnaphthalene	330	U	330	48
77-47-4	Hexachlorocyclopentadiene	330	U	330	97
88-06-2	2,4,6-Trichlorophenol	330	U	330	59
95-95-4	2,4,5-Trichlorophenol	330	U	330	64
92-52-4	1,1'-Biphenyl	330	U	330	55
91-58-7	2-Chloronaphthalene	330	U	330	47
88-74-4	2-Nitroaniline	670	U	670	91
131-11-3	Dimethyl phthalate	330	U	330	45
606-20-2	2,6-Dinitrotoluene	67	U	67	8.4
208-96-8	Acenaphthylene	330	U	330	47
99-09-2	3-Nitroaniline	670	U	670	75
83-32-9	Acenaphthene	330	U	330	47
51-28-5	2,4-Dinitrophenol	1000	U	1000	70

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-87558/1-A

Matrix: Solid Lab File ID: z10412.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3541 Date Extracted: 09/28/2011 11:30

Sample wt/vol: 15.00(g) Date Analyzed: 09/30/2011 15:08

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

Injection Volume: _____ Level: (low/med) Low

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

Analysis Batch No.: 88069 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	1000	U	1000	85
132-64-9	Dibenzofuran	330	U	330	50
121-14-2	2,4-Dinitrotoluene	67	U	67	9.7
84-66-2	Diethyl phthalate	330	U	330	44
86-73-7	Fluorene	330	U	330	56
7005-72-3	4-Chlorophenyl phenyl ether	330	U	330	57
100-01-6	4-Nitroaniline	670	U	670	68
534-52-1	4,6-Dinitro-2-methylphenol	1000	U	1000	160
86-30-6	N-Nitrosodiphenylamine	330	U	330	54
101-55-3	4-Bromophenyl phenyl ether	330	U	330	59
118-74-1	Hexachlorobenzene	33	U	33	4.6
1912-24-9	Atrazine	330	U	330	62
87-86-5	Pentachlorophenol	1000	U	1000	160
85-01-8	Phenanthrene	330	U	330	58
120-12-7	Anthracene	330	U	330	58
86-74-8	Carbazole	330	U	330	53
84-74-2	Di-n-butyl phthalate	330	U	330	51
206-44-0	Fluoranthene	330	U	330	55
129-00-0	Pyrene	330	U	330	57
85-68-7	Butyl benzyl phthalate	330	U	330	39
91-94-1	3,3'-Dichlorobenzidine	670	U	670	73
56-55-3	Benzo[a]anthracene	33	U	33	6.1
218-01-9	Chrysene	330	U	330	48
117-81-7	Bis(2-ethylhexyl) phthalate	330	U	330	44
117-84-0	Di-n-octyl phthalate	330	U	330	39
205-99-2	Benzo[b]fluoranthene	33	U	33	4.9
207-08-9	Benzo[k]fluoranthene	33	U	33	4.6
50-32-8	Benzo[a]pyrene	33	U	33	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	33	5.3
53-70-3	Dibenz(a,h)anthracene	33	U	33	4.0
191-24-2	Benzo[g,h,i]perylene	330	U	330	35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-87558/1-A
Matrix: Solid Lab File ID: z10412.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3541 Date Extracted: 09/28/2011 11:30
Sample wt/vol: 15.00(g) Date Analyzed: 09/30/2011 15:08
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: _____ Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 88069 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	57		10-120
321-60-8	2-Fluorobiphenyl	80		40-109
367-12-4	2-Fluorophenol (Surr)	74		37-125
4165-60-0	Nitrobenzene-d5 (Surr)	81		38-105
4165-62-2	Phenol-d5 (Surr)	75		41-118
1718-51-0	Terphenyl-d14 (Surr)	83		16-151

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-87558/1-A
Matrix: Solid Lab File ID: z10412.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3541 Date Extracted: 09/28/2011 11:30
Sample wt/vol: 15.00(g) Date Analyzed: 09/30/2011 15:08
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: _____ Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 88069 Units: ug/Kg
Number TICs Found: 1 TIC Result Total: 6700

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown Aldol Condensate	2.20	6700	A J

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10412.d
 Report Date: 01-Oct-2011 04:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10412.d
 Lab Smp Id: MB 460-87558/1-A
 Inj Date : 30-SEP-2011 15:08
 Operator : BNAMS 4
 Smp Info : MB 460-87558/1-A
 Misc Info :
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/8270Cdel_08.m
 Meth Date : 30-Sep-2011 14:26 croccom Quant Type: ISTD
 Cal Date : 30-SEP-2011 13:59 Cal File: z10410.d
 Als bottle: 4 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 Compound Sublist: all-soil.sub

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * 1000 * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
\$ 16 2-Fluorophenol (SUR)	112	2.462	2.421	(0.670)	943696	74.4745	5000
\$ 17 Phenol-d5 (SUR)	99	3.345	3.351	(0.910)	1097645	74.8453	5000
* 79 1,4-Dichlorobenzene-d4	152	3.674	3.680	(1.000)	361398	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	4.239	4.256	(0.853)	541698	40.5819	2700
* 80 Naphthalene-d8	136	4.968	4.974	(1.000)	1310486	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	6.068	6.068	(0.904)	881869	39.8444	2600
* 82 Acenaphthene-d10	164	6.715	6.721	(1.000)	608167	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.491	7.497	(1.116)	143251	57.2746	3800
* 83 Phenanthrene-d10	188	8.162	8.162	(1.000)	761030	40.0000	
\$ 78 Terphenyl-d14	244	9.732	9.732	(0.903)	478439	41.3255	2800
* 81 Chrysene-d12	240	10.773	10.779	(1.000)	385771	40.0000	
* 84 Perylene-d12	264	12.503	12.503	(1.000)	293080	40.0000	

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10412.d
 Report Date: 01-Oct-2011 04:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10412.d
 Lab Smp Id: MB 460-87558/1-A
 Inj Date : 30-SEP-2011 15:08
 Operator : BNAMS 4
 Smp Info : MB 460-87558/1-A
 Misc Info :
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/8270Cdel_08.m
 Meth Date : 30-Sep-2011 14:26 croccom Quant Type: ISTD
 Cal Date : 30-SEP-2011 13:59 Cal File: z10410.d
 Als bottle: 4 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 Compound Sublist: all-soil.sub

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * 1000 * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 79 1,4-Dichlorobenzene-d4	3.674	2297643	40.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/ml)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown Aldol Condensate					CAS #:		
2.198	5771809	100.482213	6700	0		0	79

Data File: z10412.d

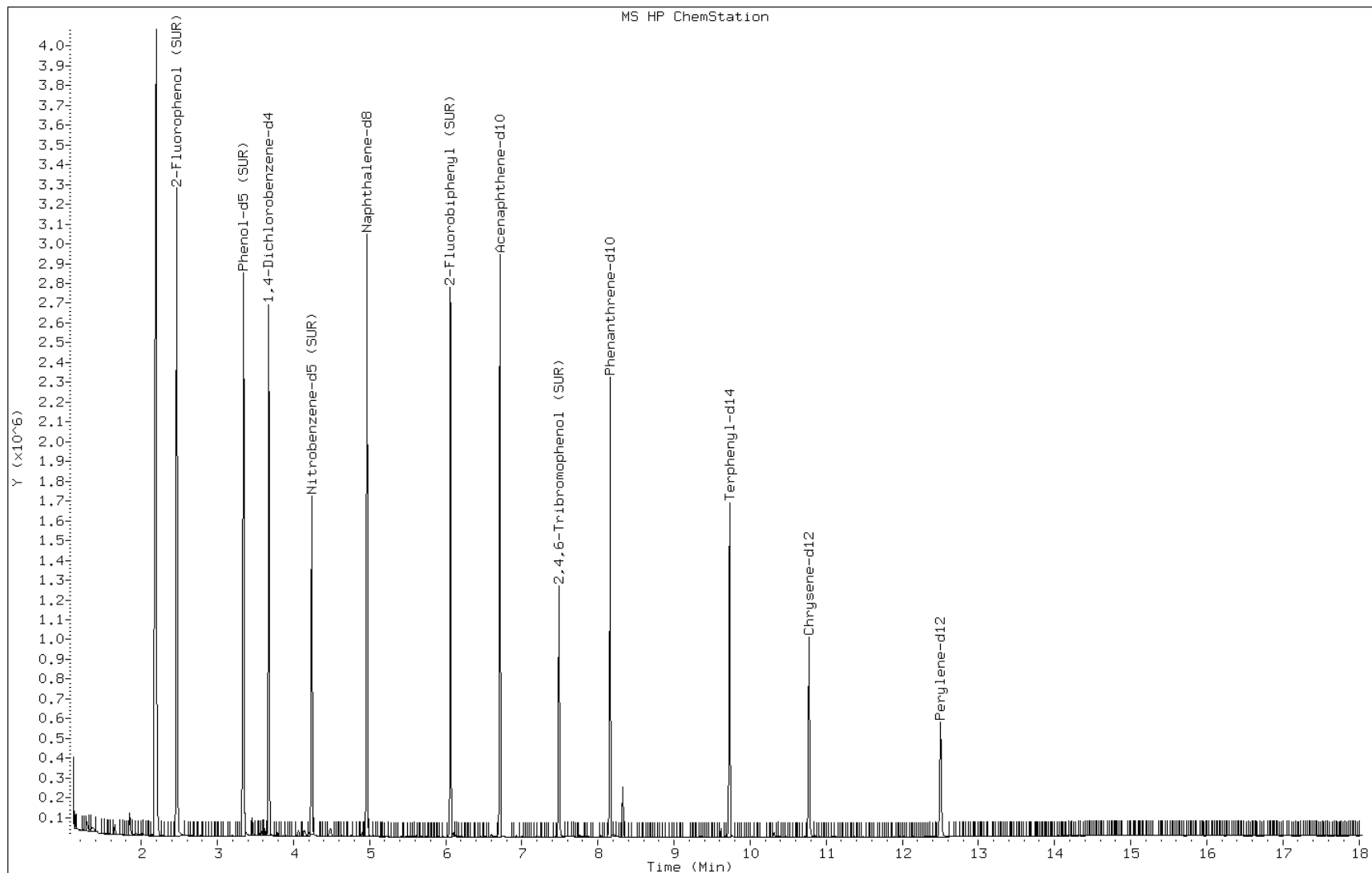
Date: 30-SEP-2011 15:08

Client ID:

Instrument: BNAMS11.i

Sample Info: MB 460-87558/1-A

Operator: BNAMS 4



Data File: z10412.d

Date: 30-SEP-2011 15:08

Client ID:

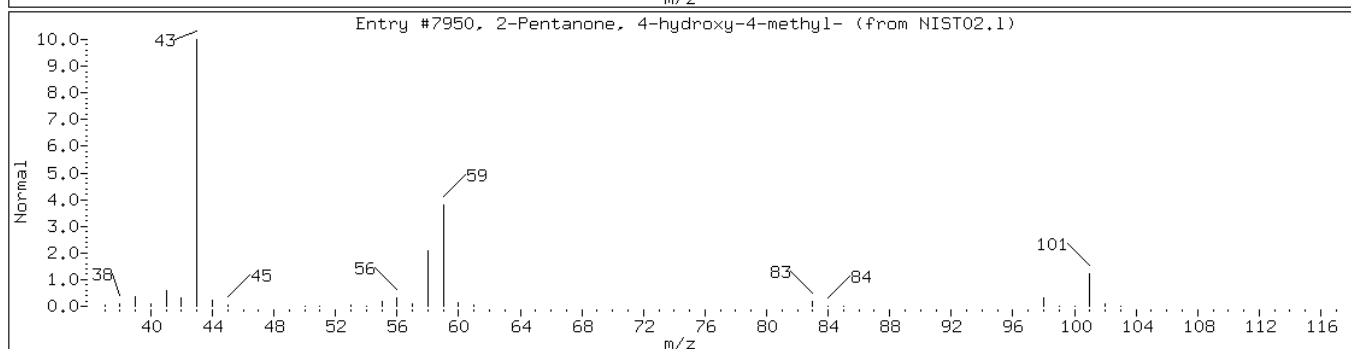
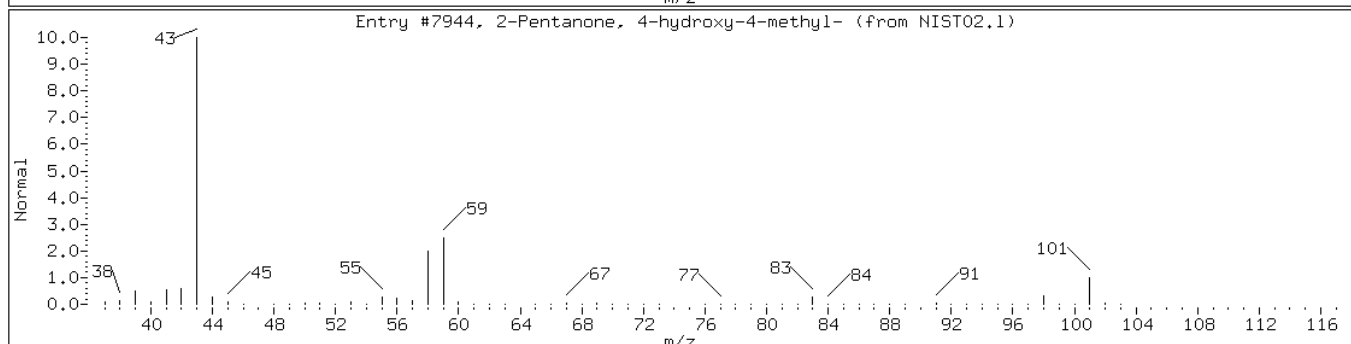
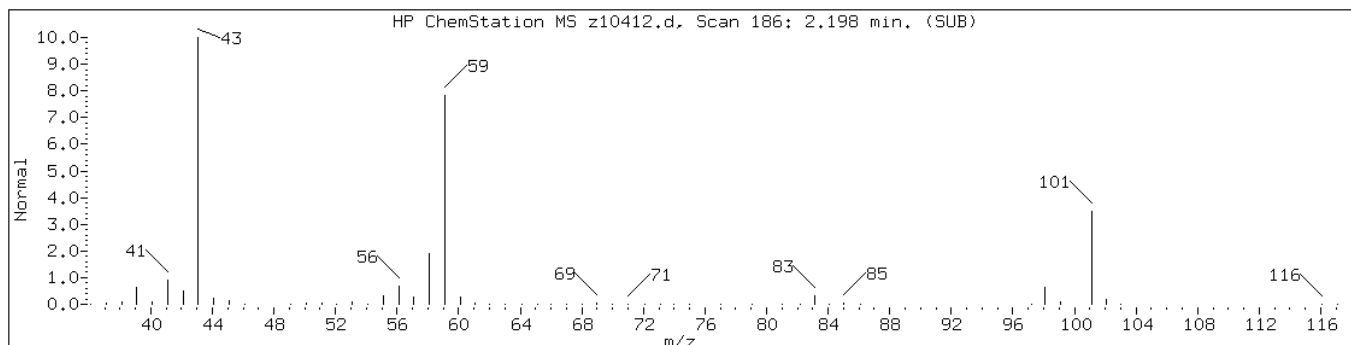
Instrument: BNAMS11.i

Sample Info: MB 460-87558/1-A

Operator: BNAMS 4

Retention Time: 2.20

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST02.1	7944	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST02.1	7950	50	C6H12O2	116



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-87558/2-A

Matrix: Solid Lab File ID: z10411.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3541 Date Extracted: 09/28/2011 11:30

Sample wt/vol: 15.01(g) Date Analyzed: 09/30/2011 14:43

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

Injection Volume: _____ Level: (low/med) Low

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

Analysis Batch No.: 88069 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	4480		330	21
108-95-2	Phenol	5120		330	40
111-44-4	Bis(2-chloroethyl)ether	2670		33	6.9
95-57-8	2-Chlorophenol	5270		330	44
95-48-7	2-Methylphenol	5310		330	48
108-60-1	2,2'-oxybis[1-chloropropane]	2610		330	43
98-86-2	Acetophenone	2620		330	49
106-44-5	4-Methylphenol	4590		330	54
621-64-7	N-Nitrosodi-n-propylamine	2700		33	4.4
67-72-1	Hexachloroethane	2600		33	5.6
98-95-3	Nitrobenzene	2720		33	7.4
78-59-1	Isophorone	2740		330	38
88-75-5	2-Nitrophenol	5690		330	54
105-67-9	2,4-Dimethylphenol	5310		330	53
111-91-1	Bis(2-chloroethoxy)methane	2820		330	47
120-83-2	2,4-Dichlorophenol	5400		330	53
91-20-3	Naphthalene	2730		330	48
106-47-8	4-Chloroaniline	1850		330	42
87-68-3	Hexachlorobutadiene	2850		67	13
105-60-2	Caprolactam	2070		330	45
59-50-7	4-Chloro-3-methylphenol	5340		330	55
91-57-6	2-Methylnaphthalene	2790		330	48
77-47-4	Hexachlorocyclopentadiene	2520		330	97
88-06-2	2,4,6-Trichlorophenol	5510		330	59
95-95-4	2,4,5-Trichlorophenol	5220		330	64
92-52-4	1,1'-Biphenyl	2790		330	54
91-58-7	2-Chloronaphthalene	2800		330	47
88-74-4	2-Nitroaniline	3330		670	90
131-11-3	Dimethyl phthalate	2850		330	45
606-20-2	2,6-Dinitrotoluene	2850		67	8.4
208-96-8	Acenaphthylene	2690		330	47
99-09-2	3-Nitroaniline	2040		670	75
83-32-9	Acenaphthene	2850		330	47
51-28-5	2,4-Dinitrophenol	1720		1000	70

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-87558/2-A

Matrix: Solid Lab File ID: z10411.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3541 Date Extracted: 09/28/2011 11:30

Sample wt/vol: 15.01(g) Date Analyzed: 09/30/2011 14:43

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

Injection Volume: _____ Level: (low/med) Low

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

Analysis Batch No.: 88069 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	5660		1000	85
132-64-9	Dibenzofuran	2790		330	50
121-14-2	2,4-Dinitrotoluene	2870		67	9.7
84-66-2	Diethyl phthalate	2800		330	44
86-73-7	Fluorene	2800		330	56
7005-72-3	4-Chlorophenyl phenyl ether	2860		330	57
100-01-6	4-Nitroaniline	2640		670	68
534-52-1	4,6-Dinitro-2-methylphenol	3070		1000	160
86-30-6	N-Nitrosodiphenylamine	2950		330	54
101-55-3	4-Bromophenyl phenyl ether	2940		330	59
118-74-1	Hexachlorobenzene	2990		33	4.6
1912-24-9	Atrazine	2800		330	62
87-86-5	Pentachlorophenol	5620		1000	160
85-01-8	Phenanthrene	2810		330	58
120-12-7	Anthracene	2830		330	58
86-74-8	Carbazole	2830		330	53
84-74-2	Di-n-butyl phthalate	2840		330	51
206-44-0	Fluoranthene	3020		330	55
129-00-0	Pyrene	2740		330	57
85-68-7	Butyl benzyl phthalate	2900		330	39
91-94-1	3,3'-Dichlorobenzidine	2510		670	73
56-55-3	Benzo[a]anthracene	2900		33	6.1
218-01-9	Chrysene	2910		330	48
117-81-7	Bis(2-ethylhexyl) phthalate	2910		330	44
117-84-0	Di-n-octyl phthalate	2790		330	39
205-99-2	Benzo[b]fluoranthene	3060		33	4.9
207-08-9	Benzo[k]fluoranthene	2750		33	4.6
50-32-8	Benzo[a]pyrene	2860		33	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	3190		33	5.3
53-70-3	Dibenz(a,h)anthracene	3150		33	4.0
191-24-2	Benzo[g,h,i]perylene	3150		330	35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 460-87558/2-A
Matrix: Solid Lab File ID: z10411.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3541 Date Extracted: 09/28/2011 11:30
Sample wt/vol: 15.01(g) Date Analyzed: 09/30/2011 14:43
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: _____ Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 88069 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	88		10-120
321-60-8	2-Fluorobiphenyl	83		40-109
367-12-4	2-Fluorophenol (Surr)	74		37-125
4165-60-0	Nitrobenzene-d5 (Surr)	82		38-105
4165-62-2	Phenol-d5 (Surr)	75		41-118
1718-51-0	Terphenyl-d14 (Surr)	80		16-151

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10411.d
 Report Date: 01-Oct-2011 04:38

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10411.d
 Lab Smp Id: LCS 460-87558/2-A
 Inj Date : 30-SEP-2011 14:43
 Operator : BNAMS 4
 Smp Info : LCS 460-87558/2-A
 Misc Info :
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/8270Cdel_08.m
 Meth Date : 30-Sep-2011 14:26 croccom Quant Type: ISTD
 Cal Date : 30-SEP-2011 13:59 Cal File: z10410.d
 Als bottle: 3 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 Compound Sublist: all-soil.sub

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * 1000 * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN FINAL (ug/ml) (ug/Kg)
=====	=====	=====	==	=====	=====	=====	=====
106 1,4-Dioxane	88	1.262	1.168	(0.343)	126220	22.8634	1500
19 N-Nitrosodimethylamine	74	1.450	1.368	(0.394)	279156	39.2224	2600(H)
71 Pyridine	79	1.474	1.386	(0.401)	393880	30.2670	2000
\$ 16 2-Fluorophenol (SUR)	112	2.462	2.421	(0.669)	889862	73.7280	4900
110 Benzaldehyde	77	3.233	3.227	(0.879)	131917	67.2367	4500
73 Aniline	93	3.350	3.351	(0.910)	515421	30.3799	2000
\$ 17 Phenol-d5 (SUR)	99	3.356	3.351	(0.912)	1042420	74.6242	5000
1 Phenol	94	3.368	3.368	(0.915)	1137459	76.7970	5100
20 bis(2-Chloroethyl)ether	93	3.427	3.427	(0.931)	460187	40.0741	2700
2 2-Chlorophenol	128	3.474	3.474	(0.944)	965261	79.1082	5300
113 n-decane	43	3.539	3.545	(0.962)	382779	35.9045	2400
21 1,3-Dichlorobenzene	146	3.621	3.621	(0.984)	545896	39.7153	2600
* 79 1,4-Dichlorobenzene-d4	152	3.680	3.680	(1.000)	344232	40.0000	

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10411.d
 Report Date: 01-Oct-2011 04:38

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.697	3.698	(1.005)	563849	40.3648	2700
74 Benzyl Alcohol	108	3.839	3.845	(1.043)	296335	41.2493	2700
23 1,2-Dichlorobenzene	146	3.844	3.850	(1.045)	522032	40.0901	2700
24 bis (2-chloroisopropyl) ether	45	3.974	3.980	(1.080)	468150	39.2457	2600
3 2-Methylphenol	108	3.968	3.980	(1.078)	803011	79.7697	5300
104 Acetophenone	105	4.103	4.109	(1.115)	588316	39.2699	2600
25 N-Nitroso-di-n-propylamine	70	4.121	4.127	(1.120)	290489	40.5556	2700
4 4-Methylphenol	108	4.138	4.145	(1.125)	766486	68.9133	4600
121 3 & 4 Methylphenol	108	4.138	4.145	(1.125)	766486	68.9133	4600
26 Hexachloroethane	117	4.186	4.192	(1.137)	215848	39.0733	2600
\$ 76 Nitrobenzene-d5 (SUR)	82	4.250	4.256	(0.855)	492563	40.9494	2700
27 Nitrobenzene	77	4.274	4.280	(0.859)	667724	40.8944	2700
107 N,N-Dimethylaniline	120	4.274	4.286	(1.161)	679882	38.5280	2600
28 Isophorone	82	4.533	4.527	(0.911)	739045	41.1707	2700
5 2-Nitrophenol	139	4.597	4.597	(0.924)	487918	85.3400	5700
6 2,4-Dimethylphenol	122	4.674	4.674	(0.940)	741387	79.6418	5300
29 bis(2-Chloroethoxy)methane	93	4.756	4.756	(0.956)	470667	42.3735	2800
7 2,4-Dichlorophenol	162	4.850	4.850	(0.975)	634170	81.1242	5400
30 1,2,4-Trichlorobenzene	180	4.921	4.927	(0.989)	388944	42.1954	2800
* 80 Naphthalene-d8	136	4.974	4.974	(1.000)	1180924	40.0000	
31 Naphthalene	128	4.991	4.997	(1.004)	1333795	40.9209	2700
32 4-Chloroaniline	127	5.062	5.068	(1.018)	308991	27.8242	1800
33 Hexachlorobutadiene	225	5.133	5.139	(1.032)	238783	42.7167	2800
111 Caprolactam	113	5.456	5.456	(1.097)	56358	31.0859	2100
8 4-Chloro-3-methylphenol	107	5.591	5.592	(1.124)	643349	80.0955	5300
34 2-Methylnaphthalene	142	5.691	5.692	(1.144)	790158	41.8302	2800
35 Hexachlorocyclopentadiene	237	5.862	5.862	(0.872)	187315	37.7685	2500
9 2,4,6-Trichlorophenol	196	5.991	5.992	(0.891)	405369	82.7690	5500
10 2,4,5-Trichlorophenol	196	6.032	6.033	(0.898)	382495	78.4199	5200
\$ 77 2-Fluorobiphenyl (SUR)	172	6.068	6.068	(0.903)	777130	41.6841	2800
36 2-Chloronaphthalene	162	6.174	6.174	(0.919)	667150	41.9704	2800
102 Diphenyl	154	6.162	6.168	(0.917)	941198	41.8310	2800
103 Diphenyl Ether	170	6.268	6.268	(0.933)	463806	41.5444	2800
37 2-Nitroaniline	65	6.285	6.292	(0.935)	231606	49.9157	3300
38 Dimethylphthalate	163	6.485	6.486	(0.965)	618409	42.7802	2800
40 2,6-Dinitrotoluene	165	6.532	6.539	(0.972)	141926	42.7678	2800
39 Acenaphthylene	152	6.574	6.580	(0.978)	998030	40.3562	2700
41 3-Nitroaniline	138	6.691	6.697	(0.996)	106567	30.5904	2000
* 82 Acenaphthene-d10	164	6.721	6.721	(1.000)	512282	40.0000	
42 Acenaphthene	154	6.750	6.750	(1.004)	628704	42.7359	2800
11 2,4-Dinitrophenol	184	6.797	6.803	(1.011)	42460	25.7887	1700
12 4-Nitrophenol	65	6.903	6.903	(1.027)	213365	84.9234	5700
43 Dibenzofuran	168	6.921	6.921	(1.030)	837001	41.9380	2800
44 2,4-Dinitrotoluene	165	6.927	6.933	(1.031)	176136	43.1282	2900
45 Diethylphthalate	149	7.179	7.180	(1.068)	612183	42.0028	2800
47 Fluorene	166	7.256	7.256	(1.080)	669900	42.0257	2800
46 4-Chlorophenyl-phenylether	204	7.268	7.268	(1.081)	303176	42.9746	2900

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10411.d
 Report Date: 01-Oct-2011 04:38

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.297	7.297	(1.086)	110716	39.6173	2600
13 4,6-Dinitro-2-methylphenol	198	7.332	7.333	(0.898)	90109	46.0491	3100
49 N-Nitrosodiphenylamine	169	7.391	7.391	(0.905)	415781	44.3039	3000
75 1,2-Diphenylhydrazine	77	7.421	7.421	(0.909)	766853	43.4250	2900
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.497	7.497	(1.116)	185930	88.2527	5900
50 4-Bromophenyl-phenylether	248	7.744	7.744	(0.948)	163676	44.1515	2900
51 Hexachlorobenzene	284	7.803	7.803	(0.955)	182425	44.8207	3000
112 Atrazine	200	7.926	7.927	(0.970)	116505	42.0371	2800
14 Pentachlorophenol	266	7.997	7.997	(0.979)	179732	84.2999	5600
* 83 Phenanthrene-d10	188	8.168	8.162	(1.000)	593272	40.0000	
52 Phenanthrene	178	8.191	8.185	(1.003)	749141	42.1969	2800
53 Anthracene	178	8.238	8.238	(1.009)	740499	42.4602	2800
54 Carbazole	167	8.403	8.403	(1.029)	579570	42.4447	2800
55 Di-n-butylphthalate	149	8.774	8.774	(1.074)	772972	42.6878	2800
56 Fluoranthene	202	9.344	9.344	(1.144)	594202	45.3932	3000
58 Benzidine	184	9.491	9.485	(1.162)	17632	23.7036	1600
57 Pyrene	202	9.562	9.556	(0.887)	584272	41.0687	2700
\$ 78 Terphenyl-d14	244	9.732	9.732	(0.902)	396976	40.0857	2700
59 Butylbenzylphthalate	149	10.226	10.227	(0.948)	250690	43.4911	2900
61 Benzo(a)anthracene	228	10.773	10.768	(0.999)	426481	43.4956	2900
60 3,3'-Dichlorobenzidine	252	10.762	10.756	(0.998)	92034	37.6776	2500
* 81 Chrysene-d12	240	10.785	10.779	(1.000)	329986	40.0000	
62 Chrysene	228	10.809	10.809	(1.002)	405652	43.6524	2900
63 bis(2-Ethylhexyl)phthalate	149	10.856	10.856	(1.007)	322490	43.6479	2900
64 Di-n-octylphthalate	149	11.620	11.621	(0.929)	450743	41.8759	2800
65 Benzo(b)fluoranthene	252	12.032	12.032	(0.962)	357918	45.9218	3100
66 Benzo(k)fluoranthene	252	12.067	12.062	(0.965)	361385	41.2498	2700
67 Benzo(a)pyrene	252	12.432	12.432	(0.994)	281006	42.8715	2800
* 84 Perylene-d12	264	12.509	12.503	(1.000)	268341	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.861	13.856	(1.108)	274282	47.9444	3200
69 Dibenz(a,h)anthracene	278	13.897	13.891	(1.111)	286729	47.2989	3200
70 Benzo(g,h,i)perylene	276	14.191	14.185	(1.134)	293076	47.2937	3200

QC Flag Legend

H - Operator selected an alternate compound hit.

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-31328-1</u>
SDG No.: _____	
Client Sample ID: <u>SO-17338-091511-MM-015 MS</u>	Lab Sample ID: <u>460-31328-5 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z10413.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/15/2011 11:10</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>09/28/2011 11:30</u>
Sample wt/vol: <u>15.00(g)</u>	Date Analyzed: <u>09/30/2011 15:33</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: _____	Level: (low/med) <u>Low</u>
% Moisture: <u>13.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>88069</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	3170		380	24
108-95-2	Phenol	5740		380	47
111-44-4	Bis(2-chloroethyl)ether	3040		38	8.0
95-57-8	2-Chlorophenol	5910		380	51
95-48-7	2-Methylphenol	6010		380	55
108-60-1	2,2'-oxybis[1-chloropropane]	3030		380	50
98-86-2	Acetophenone	3050		380	57
106-44-5	4-Methylphenol	5080		380	63
621-64-7	N-Nitrosodi-n-propylamine	3190		38	5.1
67-72-1	Hexachloroethane	3010		38	6.5
98-95-3	Nitrobenzene	3080		38	8.6
78-59-1	Isophorone	3180		380	44
88-75-5	2-Nitrophenol	6360		380	63
105-67-9	2,4-Dimethylphenol	5740		380	61
111-91-1	Bis(2-chloroethoxy)methane	3230		380	55
120-83-2	2,4-Dichlorophenol	6040		380	61
91-20-3	Naphthalene	3140		380	56
106-47-8	4-Chloroaniline	2310		380	48
87-68-3	Hexachlorobutadiene	3280		78	16
105-60-2	Caprolactam	3390		380	53
59-50-7	4-Chloro-3-methylphenol	6270		380	64
91-57-6	2-Methylnaphthalene	3210		380	56
77-47-4	Hexachlorocyclopentadiene	2580		380	110
88-06-2	2,4,6-Trichlorophenol	5860		380	69
95-95-4	2,4,5-Trichlorophenol	6140		380	74
92-52-4	1,1'-Biphenyl	3250		380	63
91-58-7	2-Chloronaphthalene	3260		380	54
88-74-4	2-Nitroaniline	3970		780	100
131-11-3	Dimethyl phthalate	3460		380	52
606-20-2	2,6-Dinitrotoluene	3460		78	9.7
208-96-8	Acenaphthylene	3160		380	55
99-09-2	3-Nitroaniline	2880		780	87
83-32-9	Acenaphthene	3350		380	55
51-28-5	2,4-Dinitrophenol	86.3	J	1200	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Client Sample ID: SO-17338-091511-MM-015 MS Lab Sample ID: 460-31328-5 MS

Matrix: Solid Lab File ID: z10413.d

Analysis Method: 8270C Date Collected: 09/15/2011 11:10

Extract. Method: 3541 Date Extracted: 09/28/2011 11:30

Sample wt/vol: 15.00(g) Date Analyzed: 09/30/2011 15:33

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

Injection Volume: _____ Level: (low/med) Low

% Moisture: 13.6 GPC Cleanup: (Y/N) N

Analysis Batch No.: 88069 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	5970		1200	98
132-64-9	Dibenzofuran	3340		380	58
121-14-2	2,4-Dinitrotoluene	3530		78	11
84-66-2	Diethyl phthalate	3450		380	51
86-73-7	Fluorene	3370		380	65
7005-72-3	4-Chlorophenyl phenyl ether	3440		380	66
100-01-6	4-Nitroaniline	2880		780	79
534-52-1	4,6-Dinitro-2-methylphenol	407	J	1200	180
86-30-6	N-Nitrosodiphenylamine	3480		380	62
101-55-3	4-Bromophenyl phenyl ether	3460		380	68
118-74-1	Hexachlorobenzene	3400		38	5.3
1912-24-9	Atrazine	3430		380	71
87-86-5	Pentachlorophenol	3230		1200	190
85-01-8	Phenanthrene	3330		380	67
120-12-7	Anthracene	3410		380	68
86-74-8	Carbazole	3440		380	61
84-74-2	Di-n-butyl phthalate	3460		380	59
206-44-0	Fluoranthene	3870		380	64
129-00-0	Pyrene	3020		380	66
85-68-7	Butyl benzyl phthalate	3390		380	45
91-94-1	3,3'-Dichlorobenzidine	3180		780	85
56-55-3	Benzo[a]anthracene	3440		38	7.1
218-01-9	Chrysene	3570		380	56
117-81-7	Bis(2-ethylhexyl) phthalate	3530		380	51
117-84-0	Di-n-octyl phthalate	3360		380	45
205-99-2	Benzo[b]fluoranthene	3600		38	5.7
207-08-9	Benzo[k]fluoranthene	3610		38	5.4
50-32-8	Benzo[a]pyrene	3540		38	4.7
193-39-5	Indeno[1,2,3-cd]pyrene	4010		38	6.1
53-70-3	Dibenz(a,h)anthracene	3720		38	4.6
191-24-2	Benzo[g,h,i]perylene	3760		380	40

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Client Sample ID: SO-17338-091511-MM-015 MS Lab Sample ID: 460-31328-5 MS
Matrix: Solid Lab File ID: z10413.d
Analysis Method: 8270C Date Collected: 09/15/2011 11:10
Extract. Method: 3541 Date Extracted: 09/28/2011 11:30
Sample wt/vol: 15.00(g) Date Analyzed: 09/30/2011 15:33
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: _____ Level: (low/med) Low
% Moisture: 13.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 88069 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	81		10-120
321-60-8	2-Fluorobiphenyl	85		40-109
367-12-4	2-Fluorophenol (Surr)	73		37-125
4165-60-0	Nitrobenzene-d5 (Surr)	83		38-105
4165-62-2	Phenol-d5 (Surr)	74		41-118
1718-51-0	Terphenyl-d14 (Surr)	78		16-151

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10413.d
 Report Date: 01-Oct-2011 04:40

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10413.d
 Lab Smp Id: 460-31328-D-5-F MS Client Smp ID: SO-17338-091511-MM-
 Inj Date : 30-SEP-2011 15:33
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-31328-D-5-F MS
 Misc Info : 460-31328-D-5-F MS
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/8270Cdel_08.m
 Meth Date : 30-Sep-2011 14:26 croccom Quant Type: ISTD
 Cal Date : 30-SEP-2011 13:59 Cal File: z10410.d
 Als bottle: 5 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all-soil.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * 1000 * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	13.60000	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.257	1.168	(0.341)	105081	21.4583	1600
19 N-Nitrosodimethylamine	74	1.445	1.368	(0.393)	249833	39.5727	3000
71 Pyridine	79	1.468	1.386	(0.399)	341376	29.5732	2300
\$ 16 2-Fluorophenol (SUR)	112	2.474	2.421	(0.672)	783183	73.1530	5600
110 Benzaldehyde	77	3.239	3.227	(0.880)	71415	41.0349	3200
73 Aniline	93	3.356	3.351	(0.912)	432916	28.7665	2200
\$ 17 Phenol-d5 (SUR)	99	3.356	3.351	(0.912)	915482	73.8832	5700
1 Phenol	94	3.374	3.368	(0.917)	977121	74.3731	5700
20 bis(2-Chloroethyl)ether	93	3.433	3.427	(0.933)	400747	39.3422	3000
2 2-Chlorophenol	128	3.480	3.474	(0.946)	828758	76.5708	5900
113 n-decane	43	3.539	3.545	(0.962)	337310	35.6688	2800
21 1,3-Dichlorobenzene	146	3.621	3.621	(0.984)	483609	39.6645	3100
* 79 1,4-Dichlorobenzene-d4	152	3.680	3.680	(1.000)	305346	40.0000	

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10413.d
Report Date: 01-Oct-2011 04:40

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.698	3.698	(1.005)	493471	39.8254	3100
74 Benzyl Alcohol	108	3.839	3.845	(1.043)	256851	40.3064	3100
23 1,2-Dichlorobenzene	146	3.850	3.850	(1.046)	465340	40.2874	3100
24 bis (2-chloroisopropyl) ether	45	3.974	3.980	(1.080)	415186	39.2382	3000
3 2-Methylphenol	108	3.974	3.980	(1.080)	695912	77.9345	6000
104 Acetophenone	105	4.103	4.109	(1.115)	525577	39.5498	3000
25 N-Nitroso-di-n-propylamine	70	4.121	4.127	(1.120)	262473	41.3109	3200
4 4-Methylphenol	108	4.139	4.145	(1.125)	649062	65.7875	5100
121 3 & 4 Methylphenol	108	4.139	4.145	(1.125)	649062	65.7875	5100
26 Hexachloroethane	117	4.186	4.192	(1.137)	191400	39.0601	3000
\$ 76 Nitrobenzene-d5 (SUR)	82	4.250	4.256	(0.855)	440662	41.3833	3200
27 Nitrobenzene	77	4.274	4.280	(0.859)	576541	39.8871	3100
107 N,N-Dimethylaniline	120	4.274	4.286	(1.161)	555676	35.4996	2700
28 Isophorone	82	4.527	4.527	(0.910)	655636	41.2586	3200
5 2-Nitrophenol	139	4.597	4.597	(0.924)	417145	82.4190	6400
6 2,4-Dimethylphenol	122	4.674	4.674	(0.940)	612897	74.3735	5700
29 bis(2-Chloroethoxy)methane	93	4.756	4.756	(0.956)	411866	41.8862	3200
7 2,4-Dichlorophenol	162	4.850	4.850	(0.975)	541882	78.3040	6000
30 1,2,4-Trichlorobenzene	180	4.921	4.927	(0.989)	344168	42.1777	3200
* 80 Naphthalene-d8	136	4.974	4.974	(1.000)	1045412	40.0000	
31 Naphthalene	128	4.992	4.997	(1.004)	1173156	40.6580	3100
32 4-Chloroaniline	127	5.062	5.068	(1.018)	294619	29.9690	2300
33 Hexachlorobutadiene	225	5.139	5.139	(1.033)	210466	42.5315	3300
111 Caprolactam	113	5.444	5.456	(1.095)	70524	43.9419	3400
8 4-Chloro-3-methylphenol	107	5.592	5.592	(1.124)	577805	81.2601	6300
34 2-Methylnaphthalene	142	5.692	5.692	(1.144)	696417	41.6466	3200
35 Hexachlorocyclopentadiene	237	5.862	5.862	(0.873)	145485	33.4637	2600
9 2,4,6-Trichlorophenol	196	5.992	5.992	(0.892)	326149	75.9682	5900
10 2,4,5-Trichlorophenol	196	6.027	6.033	(0.898)	340400	79.6139	6100
\$ 77 2-Fluorobiphenyl (SUR)	172	6.068	6.068	(0.904)	691954	42.3402	3300
36 2-Chloronaphthalene	162	6.174	6.174	(0.919)	588902	42.2631	3300
102 Diphenyl	154	6.162	6.168	(0.918)	829738	42.0685	3200
103 Diphenyl Ether	170	6.268	6.268	(0.933)	417377	42.6485	3300
37 2-Nitroaniline	65	6.286	6.292	(0.936)	209108	51.4111	4000
38 Dimethylphthalate	163	6.486	6.486	(0.966)	568607	44.8723	3500
40 2,6-Dinitrotoluene	165	6.533	6.539	(0.973)	130389	44.8224	3400
39 Acenaphthylene	152	6.574	6.580	(0.979)	886618	40.8980	3200
41 3-Nitroaniline	138	6.691	6.697	(0.996)	114158	37.3824	2900
* 82 Acenaphthene-d10	164	6.715	6.721	(1.000)	449066	40.0000	
42 Acenaphthene	154	6.750	6.750	(1.005)	559330	43.3724	3300
11 2,4-Dinitrophenol	184	6.803	6.803	(1.013)	1615	1.11898	86(aR)
12 4-Nitrophenol	65	6.897	6.903	(1.027)	170292	77.3210	6000
43 Dibenzofuran	168	6.921	6.921	(1.031)	756463	43.2382	3300
44 2,4-Dinitrotoluene	165	6.927	6.933	(1.032)	163618	45.7028	3500
45 Diethylphthalate	149	7.180	7.180	(1.069)	572036	44.7733	3400
47 Fluorene	166	7.256	7.256	(1.081)	609575	43.6246	3400
46 4-Chlorophenyl-phenylether	204	7.268	7.268	(1.082)	275522	44.5525	3400

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10413.d
 Report Date: 01-Oct-2011 04:40

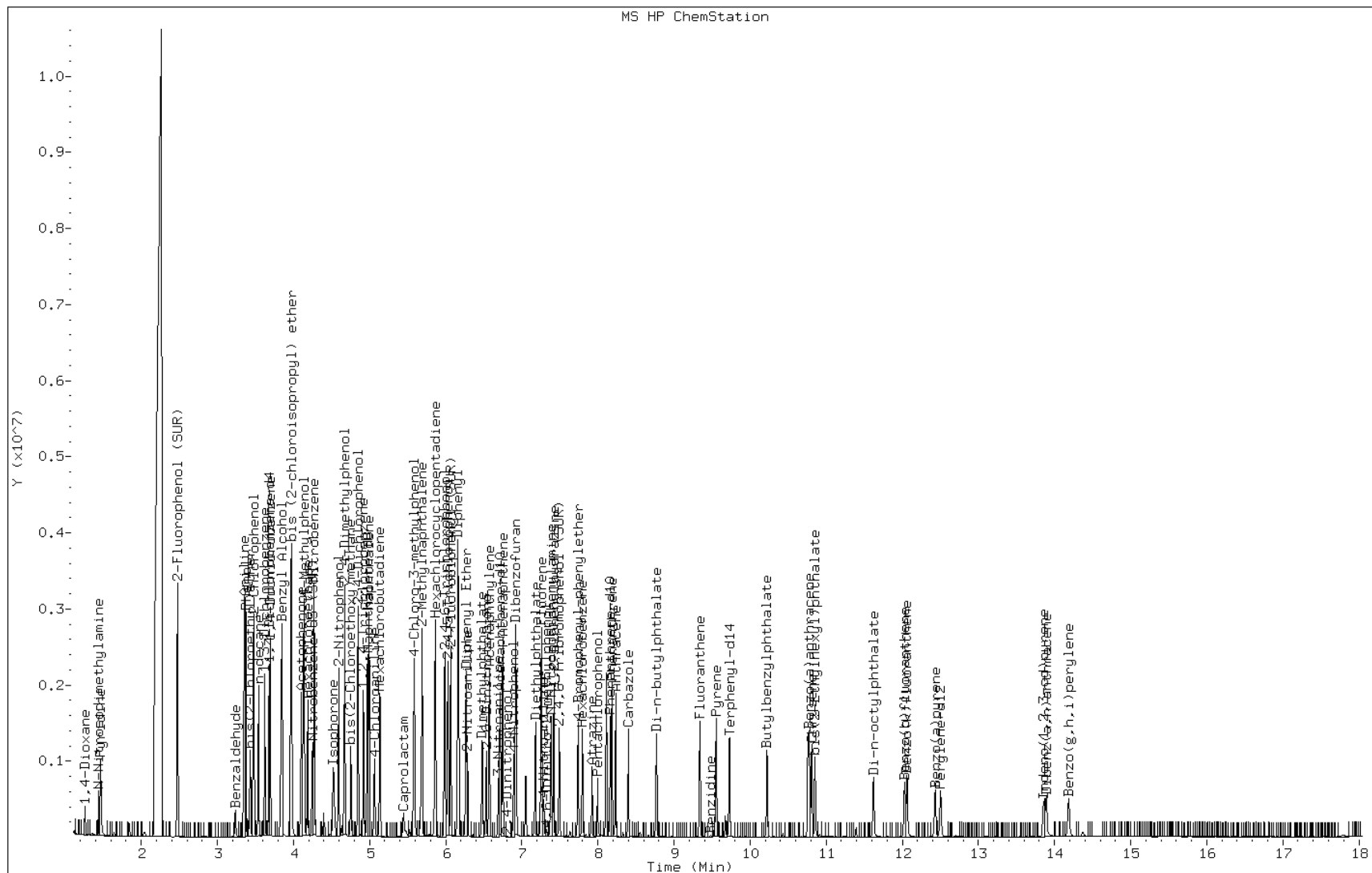
Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====	=====
48 4-Nitroaniline	138		7.291	7.297	(1.086)	91420	37.3177	2900
13 4,6-Dinitro-2-methylphenol	198		7.327	7.333	(0.898)	9441	5.27165	410(aR)
49 N-Nitrosodiphenylamine	169		7.386	7.391	(0.905)	386830	45.0374	3500
75 1,2-Diphenylhydrazine	77		7.421	7.421	(0.909)	688498	42.5996	3300
\$ 18 2,4,6-Tribromophenol (SUR)	330		7.491	7.497	(1.116)	149727	81.0732	6200
50 4-Bromophenyl-phenylether	248		7.738	7.744	(0.948)	151976	44.7931	3400
51 Hexachlorobenzene	284		7.797	7.803	(0.955)	164092	44.0511	3400
112 Atrazine	200		7.927	7.927	(0.971)	112700	44.4312	3400
14 Pentachlorophenol	266		7.997	7.997	(0.980)	81642	41.8399	3200
* 83 Phenanthrene-d10	188		8.162	8.162	(1.000)	542973	40.0000	
52 Phenanthrene	178		8.185	8.185	(1.003)	700807	43.1311	3300
53 Anthracene	178		8.233	8.238	(1.009)	704441	44.1344	3400
54 Carbazole	167		8.403	8.403	(1.030)	557729	44.6290	3400
55 Di-n-butylphthalate	149		8.774	8.774	(1.075)	743442	44.8603	3500
56 Fluoranthene	202		9.338	9.344	(1.144)	601225	50.1845	3900
58 Benzidine	184		9.485	9.485	(1.162)	7973	11.7114	900
57 Pyrene	202		9.556	9.556	(0.886)	586789	39.1974	3000
\$ 78 Terphenyl-d14	244		9.732	9.732	(0.903)	408831	39.2327	3000
59 Butylbenzylphthalate	149		10.221	10.227	(0.948)	266833	43.9929	3400
61 Benzo(a)anthracene	228		10.768	10.768	(0.999)	460367	44.6200	3400
60 3,3'-Dichlorobenzidine	252		10.756	10.756	(0.998)	106066	41.2658	3200
* 81 Chrysene-d12	240		10.779	10.779	(1.000)	347229	40.0000	
62 Chrysene	228		10.809	10.809	(1.003)	452018	46.2263	3600
63 bis(2-Ethylhexyl)phthalate	149		10.856	10.856	(1.007)	356036	45.7953	3500
64 Di-n-octylphthalate	149		11.621	11.621	(0.929)	511908	43.5033	3400
65 Benzo(b)fluoranthene	252		12.032	12.032	(0.962)	397996	46.7100	3600
66 Benzo(k)fluoranthene	252		12.062	12.062	(0.965)	447823	46.7577	3600
67 Benzo(a)pyrene	252		12.432	12.432	(0.994)	328522	45.8472	3500(R)
* 84 Perylene-d12	264		12.503	12.503	(1.000)	293354	40.0000	
68 Indeno(1,2,3-cd)pyrene	276		13.862	13.856	(1.109)	324859	51.9434	4000
69 Dibenz(a,h)anthracene	278		13.891	13.891	(1.111)	319204	48.1663	3700
70 Benzo(g,h,i)perylene	276		14.185	14.185	(1.135)	330274	48.7520	3800

QC Flag Legend

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

Instrument: BNAMS11.i

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-31328-1</u>
SDG No.: _____	
Client Sample ID: <u>SO-17338-091511-MM-015</u>	Lab Sample ID: <u>460-31328-5 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z10414.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/15/2011 11:10</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>09/28/2011 11:30</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>09/30/2011 15:58</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: _____	Level: (low/med) <u>Low</u>
% Moisture: <u>13.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>88069</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	3130		380	24
108-95-2	Phenol	5830		380	47
111-44-4	Bis(2-chloroethyl)ether	3060		38	8.0
95-57-8	2-Chlorophenol	5970		380	51
95-48-7	2-Methylphenol	6030		380	55
108-60-1	2,2'-oxybis[1-chloropropane]	2990		380	50
98-86-2	Acetophenone	3050		380	57
106-44-5	4-Methylphenol	5220		380	63
621-64-7	N-Nitrosodi-n-propylamine	3060		38	5.1
67-72-1	Hexachloroethane	2970		38	6.4
98-95-3	Nitrobenzene	3070		38	8.6
78-59-1	Isophorone	3190		380	44
88-75-5	2-Nitrophenol	6250		380	63
105-67-9	2,4-Dimethylphenol	5880		380	61
111-91-1	Bis(2-chloroethoxy)methane	3230		380	55
120-83-2	2,4-Dichlorophenol	6150		380	61
91-20-3	Naphthalene	3110		380	56
106-47-8	4-Chloroaniline	2380		380	48
87-68-3	Hexachlorobutadiene	3260		77	15
105-60-2	Caprolactam	3650		380	52
59-50-7	4-Chloro-3-methylphenol	6490		380	64
91-57-6	2-Methylnaphthalene	3250		380	56
77-47-4	Hexachlorocyclopentadiene	2550		380	110
88-06-2	2,4,6-Trichlorophenol	5720		380	68
95-95-4	2,4,5-Trichlorophenol	6120		380	74
92-52-4	1,1'-Biphenyl	3200		380	63
91-58-7	2-Chloronaphthalene	3180		380	54
88-74-4	2-Nitroaniline	4010		770	100
131-11-3	Dimethyl phthalate	3510		380	52
606-20-2	2,6-Dinitrotoluene	3480		77	9.7
208-96-8	Acenaphthylene	3140		380	55
99-09-2	3-Nitroaniline	2980		770	86
83-32-9	Acenaphthene	3320		380	54
51-28-5	2,4-Dinitrophenol	85.2	J	1200	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-31328-1</u>
SDG No.: _____	
Client Sample ID: <u>SO-17338-091511-MM-015</u>	Lab Sample ID: <u>460-31328-5 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z10414.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>09/15/2011 11:10</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>09/28/2011 11:30</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>09/30/2011 15:58</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: _____	Level: (low/med) <u>Low</u>
% Moisture: <u>13.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>88069</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	5940		1200	98
132-64-9	Dibenzofuran	3350		380	57
121-14-2	2,4-Dinitrotoluene	3730		77	11
84-66-2	Diethyl phthalate	3570		380	51
86-73-7	Fluorene	3390		380	65
7005-72-3	4-Chlorophenyl phenyl ether	3460		380	66
100-01-6	4-Nitroaniline	3140		770	79
534-52-1	4,6-Dinitro-2-methylphenol	371	J	1200	180
86-30-6	N-Nitrosodiphenylamine	3420		380	62
101-55-3	4-Bromophenyl phenyl ether	3380		380	68
118-74-1	Hexachlorobenzene	3340		38	5.3
1912-24-9	Atrazine	3440		380	71
87-86-5	Pentachlorophenol	2640		1200	190
85-01-8	Phenanthrene	3320		380	67
120-12-7	Anthracene	3340		380	68
86-74-8	Carbazole	3480		380	61
84-74-2	Di-n-butyl phthalate	3590		380	58
206-44-0	Fluoranthene	3900		380	64
129-00-0	Pyrene	3160		380	66
85-68-7	Butyl benzyl phthalate	3460		380	45
91-94-1	3,3'-Dichlorobenzidine	3170		770	85
56-55-3	Benzo[a]anthracene	3520		38	7.1
218-01-9	Chrysene	3460		380	56
117-81-7	Bis(2-ethylhexyl) phthalate	3500		380	51
117-84-0	Di-n-octyl phthalate	3470		380	45
205-99-2	Benzo[b]fluoranthene	3880		38	5.7
207-08-9	Benzo[k]fluoranthene	3360		38	5.4
50-32-8	Benzo[a]pyrene	3450		38	4.7
193-39-5	Indeno[1,2,3-cd]pyrene	3440		38	6.1
53-70-3	Dibenz(a,h)anthracene	3520		38	4.6
191-24-2	Benzo[g,h,i]perylene	3450		380	40

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Client Sample ID: SO-17338-091511-MM-015 Lab Sample ID: 460-31328-5 MSD
Matrix: Solid Lab File ID: z10414.d
Analysis Method: 8270C Date Collected: 09/15/2011 11:10
Extract. Method: 3541 Date Extracted: 09/28/2011 11:30
Sample wt/vol: 15.02(g) Date Analyzed: 09/30/2011 15:58
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: _____ Level: (low/med) Low
% Moisture: 13.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 88069 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		10-120
321-60-8	2-Fluorobiphenyl	84		40-109
367-12-4	2-Fluorophenol (Surr)	72		37-125
4165-60-0	Nitrobenzene-d5 (Surr)	81		38-105
4165-62-2	Phenol-d5 (Surr)	74		41-118
1718-51-0	Terphenyl-d14 (Surr)	82		16-151

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10414.d
 Report Date: 01-Oct-2011 04:41

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10414.d
 Lab Smp Id: 460-31328-D-5-G MSD Client Smp ID: SO-17338-091511-MM-
 Inj Date : 30-SEP-2011 15:58
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-31328-D-5-G MSD
 Misc Info : 460-31328-D-5-G MSD
 Comment :
 Method : /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/8270Cdel_08.m
 Meth Date : 30-Sep-2011 14:26 croccom Quant Type: ISTD
 Cal Date : 30-SEP-2011 13:59 Cal File: z10410.d
 Als bottle: 6 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all-soil.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * 1000 * \text{Vt} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.02000	Weight of sample extracted (g)
M	13.60000	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN FINAL (ug/ml) (ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.274	1.168	(0.346)	111245	20.7010	1600
19 N-Nitrosodimethylamine	74	1.456	1.368	(0.396)	270390	39.0280	3000(H)
71 Pyridine	79	1.474	1.386	(0.401)	361639	28.5483	2200
\$ 16 2-Fluorophenol (SUR)	112	2.480	2.421	(0.674)	848351	72.2078	5600
110 Benzaldehyde	77	3.239	3.227	(0.880)	77465	40.5611	3100
73 Aniline	93	3.356	3.351	(0.912)	472172	28.5906	2200
\$ 17 Phenol-d5 (SUR)	99	3.362	3.351	(0.914)	1011844	74.4131	5700
1 Phenol	94	3.374	3.368	(0.917)	1090051	75.6056	5800
20 bis(2-Chloroethyl)ether	93	3.433	3.427	(0.933)	443417	39.6680	3000
2 2-Chlorophenol	128	3.480	3.474	(0.946)	919535	77.4183	6000
113 n-decane	43	3.539	3.545	(0.962)	362492	34.9299	2700
21 1,3-Dichlorobenzene	146	3.627	3.621	(0.986)	522934	39.0835	3000
* 79 1,4-Dichlorobenzene-d4	152	3.680	3.680	(1.000)	335083	40.0000	

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10414.d
 Report Date: 01-Oct-2011 04:41

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.697	3.698	(1.005)	538674	39.6154	3000
74 Benzyl Alcohol	108	3.839	3.845	(1.043)	284976	40.7513	3100
23 1,2-Dichlorobenzene	146	3.850	3.850	(1.046)	510801	40.2986	3100
24 bis (2-chloroisopropyl) ether	45	3.974	3.980	(1.080)	450581	38.8042	3000
3 2-Methylphenol	108	3.974	3.980	(1.080)	766338	78.2052	6000
104 Acetophenone	105	4.103	4.109	(1.115)	577355	39.5905	3000
25 N-Nitroso-di-n-propylamine	70	4.121	4.127	(1.120)	276777	39.6963	3000
4 4-Methylphenol	108	4.144	4.145	(1.126)	733267	67.7266	5200
121 3 & 4 Methylphenol	108	4.144	4.145	(1.126)	733267	67.7266	5200
26 Hexachloroethane	117	4.186	4.192	(1.137)	207512	38.5900	3000
\$ 76 Nitrobenzene-d5 (SUR)	82	4.250	4.256	(0.855)	481795	40.7436	3100
27 Nitrobenzene	77	4.274	4.280	(0.859)	638567	39.7819	3100
107 N,N-Dimethylaniline	120	4.280	4.286	(1.163)	613386	35.7088	2800
28 Isophorone	82	4.533	4.527	(0.911)	730486	41.3943	3200
5 2-Nitrophenol	139	4.597	4.597	(0.924)	455675	81.0723	6200
6 2,4-Dimethylphenol	122	4.674	4.674	(0.940)	698282	76.3025	5900
29 bis(2-Chloroethoxy)methane	93	4.756	4.756	(0.956)	457941	41.9374	3200
7 2,4-Dichlorophenol	162	4.850	4.850	(0.975)	613545	79.8367	6200
30 1,2,4-Trichlorobenzene	180	4.921	4.927	(0.989)	377839	41.6961	3200
* 80 Naphthalene-d8	136	4.974	4.974	(1.000)	1160942	40.0000	
31 Naphthalene	128	4.991	4.997	(1.004)	1294937	40.4125	3100
32 4-Chloroaniline	127	5.062	5.068	(1.018)	336612	30.8332	2400
33 Hexachlorobutadiene	225	5.139	5.139	(1.033)	232426	42.2952	3200
111 Caprolactam	113	5.456	5.456	(1.097)	84366	47.3355	3600
8 4-Chloro-3-methylphenol	107	5.591	5.592	(1.124)	665302	84.2542	6500
34 2-Methylnaphthalene	142	5.691	5.692	(1.144)	783074	42.1687	3200
35 Hexachlorocyclopentadiene	237	5.862	5.862	(0.872)	167008	33.1360	2600
9 2,4,6-Trichlorophenol	196	5.991	5.992	(0.891)	369641	74.2682	5700
10 2,4,5-Trichlorophenol	196	6.033	6.033	(0.898)	393840	79.4559	6100
\$ 77 2-Fluorobiphenyl (SUR)	172	6.068	6.068	(0.903)	797264	42.0809	3200
36 2-Chloronaphthalene	162	6.174	6.174	(0.919)	666603	41.2660	3200
102 Diphenyl	154	6.162	6.168	(0.917)	948997	41.5038	3200
103 Diphenyl Ether	170	6.268	6.268	(0.933)	473707	41.7534	3200
37 2-Nitroaniline	65	6.285	6.292	(0.935)	245372	52.0377	4000
114 Coumarin	146	6.574	6.486	(1.322)	1294	0.26025	20(a)
38 Dimethylphthalate	163	6.485	6.486	(0.965)	668664	45.5177	3500
40 2,6-Dinitrotoluene	165	6.533	6.539	(0.972)	152371	45.1818	3500
39 Acenaphthylene	152	6.574	6.580	(0.978)	1023243	40.7147	3100
41 3-Nitroaniline	138	6.697	6.697	(0.996)	136805	38.6429	3000
* 82 Acenaphthene-d10	164	6.721	6.721	(1.000)	520599	40.0000	
42 Acenaphthene	154	6.750	6.750	(1.004)	643428	43.0380	3300
11 2,4-Dinitrophenol	184	6.803	6.803	(1.012)	1851	1.10627	85(aR)
12 4-Nitrophenol	65	6.897	6.903	(1.026)	196704	77.0412	5900
43 Dibenzofuran	168	6.921	6.921	(1.030)	882215	43.4972	3400
44 2,4-Dinitrotoluene	165	6.927	6.933	(1.031)	200894	48.4045	3700
45 Diethylphthalate	149	7.180	7.180	(1.068)	686100	46.3223	3600
47 Fluorene	166	7.256	7.256	(1.080)	711678	43.9334	3400

Data File: /chem/BNAMS11.i/8270/09-26-11DEL/30sep11.b/z10414.d
Report Date: 01-Oct-2011 04:41

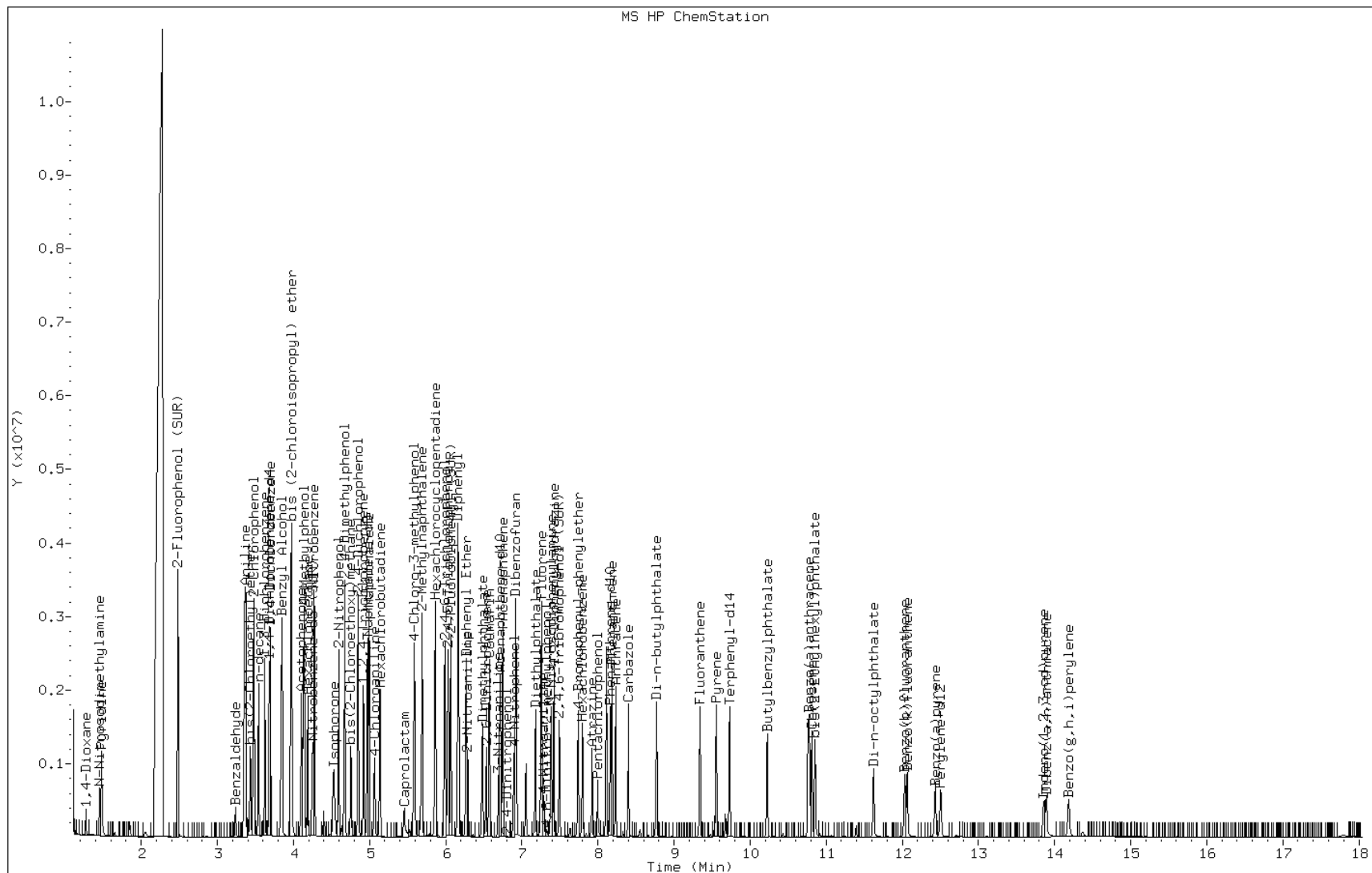
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
46 4-Chlorophenyl-phenylether	204	7.268	7.268	(1.081)	322248	44.9483	3500
48 4-Nitroaniline	138	7.291	7.297	(1.085)	115628	40.7139	3100
13 4,6-Dinitro-2-methylphenol	198	7.327	7.333	(0.898)	10520	4.81641	370(aR)
49 N-Nitrosodiphenylamine	169	7.385	7.391	(0.905)	465438	44.4318	3400
75 1,2-Diphenylhydrazine	77	7.421	7.421	(0.909)	808578	41.0208	3200
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.491	7.497	(1.115)	176464	82.4215	6400
50 4-Bromophenyl-phenylether	248	7.738	7.744	(0.948)	181736	43.9194	3400
51 Hexachlorobenzene	284	7.797	7.803	(0.955)	197091	43.3826	3300
112 Atrazine	200	7.927	7.927	(0.971)	137975	44.6009	3400
14 Pentachlorophenol	266	7.997	7.997	(0.980)	81594	34.2858	2600
* 83 Phenanthrene-d10	188	8.162	8.162	(1.000)	662215	40.0000	
52 Phenanthrene	178	8.185	8.185	(1.003)	854066	43.0986	3300
53 Anthracene	178	8.238	8.238	(1.009)	843304	43.3208	3300
54 Carbazole	167	8.403	8.403	(1.030)	689053	45.2091	3500
55 Di-n-butylphthalate	149	8.774	8.774	(1.075)	942873	46.6496	3600
56 Fluoranthene	202	9.344	9.344	(1.145)	739646	50.6216	3900
58 Benzidine	184	9.491	9.485	(1.163)	9395	11.3153	870
57 Pyrene	202	9.556	9.556	(0.886)	734069	40.9916	3200
\$ 78 Terphenyl-d14	244	9.732	9.732	(0.903)	511924	41.0669	3200
59 Butylbenzylphthalate	149	10.226	10.227	(0.949)	326176	44.9549	3500
61 Benzo(a)anthracene	228	10.768	10.768	(0.999)	563590	45.6636	3500
60 3,3'-Dichlorobenzidine	252	10.756	10.756	(0.998)	126433	41.1203	3200
* 81 Chrysene-d12	240	10.779	10.779	(1.000)	415369	40.0000	
62 Chrysene	228	10.809	10.809	(1.003)	524585	44.8468	3400
63 bis(2-Ethylhexyl)phthalate	149	10.856	10.856	(1.007)	422875	45.4695	3500
64 Di-n-octylphthalate	149	11.620	11.621	(0.929)	585852	45.0664	3500
65 Benzo(b)fluoranthene	252	12.032	12.032	(0.962)	474555	50.4141	3900(R)
66 Benzo(k)fluoranthene	252	12.067	12.062	(0.965)	461070	43.5760	3400
67 Benzo(a)pyrene	252	12.432	12.432	(0.994)	354197	44.7433	3400(R)
* 84 Perylene-d12	264	12.503	12.503	(1.000)	324084	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.861	13.856	(1.109)	308505	44.6511	3400
69 Dibenz(a,h)anthracene	278	13.891	13.891	(1.111)	333998	45.6198	3500
70 Benzo(g,h,i)perylene	276	14.185	14.185	(1.135)	334953	44.7545	3400

QC Flag Legend

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

Instrument: BNAMS11.i

Operator: BNAMS 4



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: BNAMS11 Start Date: 09/26/2011 10:44Analysis Batch Number: 87600 End Date: 09/26/2011 12:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-87600/1		09/26/2011 10:44	1	z10237.d	Rtx-5MS 0.25 (mm)
ICIS 460-87600/2		09/26/2011 10:59	1	z10238.d	Rtx-5MS 0.25 (mm)
IC 460-87600/3		09/26/2011 11:35	1	z10239.d	Rtx-5MS 0.25 (mm)
IC 460-87600/4		09/26/2011 12:00	1	z10240.d	Rtx-5MS 0.25 (mm)
IC 460-87600/5		09/26/2011 12:25	1	z10241.d	Rtx-5MS 0.25 (mm)
IC 460-87600/6		09/26/2011 12:50	1	z10242.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: BNAMS11 Start Date: 09/30/2011 13:43Analysis Batch Number: 88069 End Date: 09/30/2011 16:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-88069/1		09/30/2011 13:43	1	z10409.d	Rtx-5MS 0.25 (mm)
CCVIS 460-88069/2		09/30/2011 13:59	1	z10410.d	Rtx-5MS 0.25 (mm)
LCS 460-87558/2-A		09/30/2011 14:43	1	z10411.d	Rtx-5MS 0.25 (mm)
MB 460-87558/1-A		09/30/2011 15:08	1	z10412.d	Rtx-5MS 0.25 (mm)
460-31328-5 MS	SO-17338-091511-MM-01 5 MS	09/30/2011 15:33	1	z10413.d	Rtx-5MS 0.25 (mm)
460-31328-5 MSD	SO-17338-091511-MM-01 5 MSD	09/30/2011 15:58	1	z10414.d	Rtx-5MS 0.25 (mm)
460-31328-5	SO-17338-091511-MM-01 5	09/30/2011 16:22	1	z10415.d	Rtx-5MS 0.25 (mm)
ZZZZZ		09/30/2011 16:47	1		Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: BNAMS11 Start Date: 09/30/2011 17:13Analysis Batch Number: 88071 End Date: 09/30/2011 17:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 460-88071/1		09/30/2011 17:13	1	z10417.d	Rtx-5MS 0.25 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAWS11.i
Analytical Batch: /chem/BNAWS11.i/8270/09-26-11DEL/26sep11.b

Date Generated: 09/26/2011
Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
09/26/11	1044	210237.d	1 DFTFP-937638			0	0		1	2.0 all	BNA 4587	87600
09/26/11	1059	210238.d	2 ICIS-1143618			1000	2		1	1.0 all	BNA 4587	
09/26/11	1135	210239.d	3 IC-1143620			1000	2		1	1.0 all	BNA 4587	
09/26/11	1200	210240.d	4 IC-1143607			1000	2		1	1.0 all	BNA 4587	
09/26/11	1225	210241.d	5 IC-1143619			1000	2		1	1.0 all	BNA 4587	
09/26/11	1250	210242.d	6 IC-1143617			1000	2		1	1.0 all	BNA 4587	
09/26/11	1349	210244.d	8 icv	26sep11		1000	1		1	1.0 all	BNA 4587	

Good DEL-8270
NG: Benzaldehyde
Benzidine

Signed:  Read and Understood by: 
Date: 09.26.11 Date: 09.30.11

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: ENAMS11.i
Analytical Batch: /chem/ENAMS11.i/8270/09-26-11DEL/30sep11.b

Date Generated: 10/01/2011
Page 1

Date	ALS	File	Sample ID	LFB	EXT DATE	IV/	Dil	Inj	Sublist	LOT	COMMENTS
09/30/11 1343	z10409.d	1	DFTPP-937638			0	0	1	2.0 all		
09/30/11 1359	z10410.d	2	CCVIS-1143618			1000	2	1	1.0 all	4581	88069
09/30/11 1443	z10411.d	3	LCS 460-87558/2-A	30sep11		15	1	1	1.0 all-so	4581	G
09/30/11 1508	z10412.d	4	MB 460-87558/1-A	30sep11		15	1	1	1.0 all-so		G
09/30/11 1533	z10413.d	5	460-31328-D-5-F MS	460-87558	09/28/11	15	1	1	1.0 all-so		G
09/30/11 1558	z10414.d	6	460-31328-D-5-G MSD	460-87558	09/28/11	15.0	1	1	1.0 all-so		G
09/30/11 1622	z10415.d	7	460-31328-D-5-H	460-87558	09/28/11	15.0	1	1	1.0 all-so		G
09/30/11 1647	z10416.d	8	460-31469-D-11-D	460-87558	09/28/11	15.1	1	1	1.0 all-so		G
09/30/11 1713	z10417.d	9	CCV-1143618	30sep11		1000	2	1	1.0 all		G 1 pump failed ok

Signed: W. Burg Read and Understood by: W. Burg

Date: 9/30/11 Date: 9-30-11

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Batch Number: 87558 Batch Start Date: 09/28/11 11:30 Batch Analyst: Masongo, CharlesBatch Method: 3541 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SoxThermPositio n	OP8270SoilSUR 00002	OP8270SP 00020	
MB 460-87558/1		3541, 8270C		15.00 g	1 mL	115	500 uL		
LCS 460-87558/2		3541, 8270C		15.01 g	1 mL	116	500 uL	0.5 mL	
460-31328-D-5 MS	SO-17338-091511- MM-015	3541, 8270C	T	15.00 g	1 mL	117	500 uL	0.5 mL	
460-31328-D-5 MSD	SO-17338-091511- MM-015	3541, 8270C	T	15.02 g	1 mL	118	500 uL	0.5 mL	
460-31328-D-5	SO-17338-091511- MM-015	3541, 8270C	T	15.01 g	1 mL	119	500 uL		

Batch Notes	
Balance ID	28
Batch Comment	BNA 8270C SOIL
Blank Soil Lot Number	J51636
Person's name who did the concentration	CM
Vendor lot number	K18E60
Na2SO4 Lot Number	J51636
Person's name who did the prep	CM
Person's name who witnessed reagent drop	HP
Solvent	MeCl2/Acetone mixture
SOP Number	3541
First Start time	11:30am

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.: 460-31328-1
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-17338-091511-MM-015	460-31328-5	87	80
	MB 460-87509/1-A	115	106
	LCS 460-87509/2-A	127	118
SO-17338-091511-MM-015 MS	460-31328-5 MS	106	96
SO-17338-091511-MM-015 MSD	460-31328-5 MSD	99	89

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.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: of178065.d
Lab ID: LCS 460-87509/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	333	410	123	60-144	
PCB-1260	333	354	106	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.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: or178065.d
Lab ID: LCS 460-87509/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	333	411	123	60-144	
PCB-1260	333	377	113	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.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: of178067.d
Lab ID: 460-31328-5 MS Client ID: SO-17338-091511-MM-015 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	385	77 U	395	103	60-144	
PCB-1260	385	77 U	335	87	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.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: or178067.d
Lab ID: 460-31328-5 MS Client ID: SO-17338-091511-MM-015 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	385	77 U	408	106	60-144	
PCB-1260	385	77 U	357	93	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.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: of178068.d
Lab ID: 460-31328-5 MSD Client ID: SO-17338-091511-MM-015 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
PCB-1016	386	368	95	7	30	60-144	
PCB-1260	386	312	81	7	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.: 460-31328-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: or178068.d
Lab ID: 460-31328-5 MSD Client ID: SO-17338-091511-MM-015 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
PCB-1016	386	376	97	8	30	60-144	
PCB-1260	386	340	88	5	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.: 460-31328-1
SDG No.: _____
Lab Sample ID: MB 460-87509/1-A
Matrix: Solid Date Extracted: 09/28/2011 03:42
Lab File ID: (1) or178064.d Lab File ID: (2) of178064.d
Date Analyzed: (1) 09/28/2011 11:33 Date Analyzed: (2) 09/28/2011 11:33
Instrument ID: (1) PESTGC7 Instrument ID: (2) PESTGC7
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	DATE ANALYZED 2
	LCS 460-87509/2-A	09/28/2011 11:49	09/28/2011 11:49
SO-17338-091511-MM-015	460-31328-5	09/28/2011 12:06	09/28/2011 12:06
SO-17338-091511-MM-015 MS	460-31328-5 MS	09/28/2011 12:22	09/28/2011 12:22
SO-17338-091511-MM-015 MSD	460-31328-5 MSD	09/28/2011 12:38	09/28/2011 12:38

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Sample No.: CCVRT 460-87694/2 Date Analyzed: 09/28/2011 11:17
 Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): of178063.d Heated Purge: (Y/N) N
 Calibration ID: 12349

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

				DCB		
				RT #		
CONTINUING CALIBRATION SURROGATE				10.59		
UPPER LIMIT				10.69		
LOWER LIMIT				10.49		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
PIBLK 460-87694/1		09/28/2011 11:00	of178062.d	10.59		
CCVRT 460-87694/2		09/28/2011 11:17	of178063.d	10.59		
MB 460-87509/1-A		09/28/2011 11:33	of178064.d	10.59		
LCS 460-87509/2-A		09/28/2011 11:49	of178065.d	10.59		
460-31328-5	SO-17338-091511-MM-01 5	09/28/2011 12:06	of178066.d	10.59		
460-31328-5 MS	SO-17338-091511-MM-01 5 MS	09/28/2011 12:22	of178067.d	10.59		
460-31328-5 MSD	SO-17338-091511-MM-01 5 MSD	09/28/2011 12:38	of178068.d	10.59		
PIBLK 460-87694/21		09/28/2011 16:29	of178082.d	10.59		
CCV 460-87694/22		09/28/2011 16:45	of178083.d	10.59		

DCB = DCB Decachlorobiphenyl

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.: 460-31328-1
 SDG No.: _____
 Sample No.: CCVRT 460-87694/2 Date Analyzed: 09/28/2011 11:17
 Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm)
 Lab File ID (Standard): or178063.d Heated Purge: (Y/N) N
 Calibration ID: 12348

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

				DCB		
				RT #		
CONTINUING CALIBRATION SURROGATE				9.45		
UPPER LIMIT				9.55		
LOWER LIMIT				9.35		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
PIBLK 460-87694/1		09/28/2011 11:00	or178062.d	9.46		
CCVRT 460-87694/2		09/28/2011 11:17	or178063.d	9.45		
MB 460-87509/1-A		09/28/2011 11:33	or178064.d	9.45		
LCS 460-87509/2-A		09/28/2011 11:49	or178065.d	9.45		
460-31328-5	SO-17338-091511-MM-01 5	09/28/2011 12:06	or178066.d	9.45		
460-31328-5 MS	SO-17338-091511-MM-01 5 MS	09/28/2011 12:22	or178067.d	9.45		
460-31328-5 MSD	SO-17338-091511-MM-01 5 MSD	09/28/2011 12:38	or178068.d	9.45		
PIBLK 460-87694/21		09/28/2011 16:29	or178082.d	9.45		
CCV 460-87694/22		09/28/2011 16:45	or178083.d	9.45		

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.: 460-31328-1

SDG No.: _____

Client Sample ID: SO-17338-091511-MM-015 MS Lab Sample ID: 460-31328-5 MS

Instrument ID (1): PESTGC7 Instrument ID (2): PESTGC7

Date Analyzed (1): 09/28/2011 12:22 Date Analyzed (2): 09/28/2011 12:22

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	2.38	2.31	2.45	405	408	3.2
		2	2.71	2.63	2.77	403		
		3	2.90	2.83	2.97	412		
		4	3.16	3.09	3.23	412		
		5	3.31	3.24	3.38	410		
		6	3.37	3.30	3.44	407		
		7	3.52	3.45	3.59	428		
		8	3.75	3.68	3.82	388		
	2	1	2.99	2.91	3.05	431	395	
		2	3.45	3.38	3.52	398		
		3	3.73	3.66	3.80	400		
		4	3.98	3.91	4.05	395		
		5	4.15	4.08	4.22	400		
		6	4.45	4.38	4.52	398		
		7	5.27	5.19	5.33	372		
		8	5.51	5.44	5.58	368		
PCB-1260	1	1	5.17	5.10	5.24	381	357	6.3
		2	5.52	5.44	5.58	371		
		3	5.86	5.79	5.93	369		
		4	6.01	5.94	6.08	364		
		5	6.34	6.26	6.40	356		
		6	7.31	7.23	7.37	347		
		7	7.47	7.40	7.54	350		
		8	8.69	8.62	8.76	316		
	2	1	6.40	6.33	6.47	354	335	
		2	6.73	6.66	6.80	351		
		3	7.37	7.30	7.44	360		
		4	7.56	7.49	7.63	347		
		5	7.68	7.60	7.74	337		
		6	8.22	8.15	8.29	317		
		7	9.40	9.33	9.47	326		
		8	10.07	10.00	10.14	287		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: SO-17338-091511-MM-015 Lab Sample ID: 460-31328-5 MSD
 Instrument ID (1): PESTGC7 Instrument ID (2): PESTGC7
 Date Analyzed (1): 09/28/2011 12:38 Date Analyzed (2): 09/28/2011 12:38
 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	
PCB-1016	1	1	2.38	2.31	2.45	372	376	2.2
		2	2.71	2.63	2.77	376		
		3	2.90	2.83	2.97	378		
		4	3.16	3.09	3.23	390		
		5	3.31	3.24	3.38	382		
		6	3.37	3.30	3.44	376		
		7	3.52	3.45	3.59	368		
		8	3.75	3.68	3.82	366		
	2	1	2.98	2.91	3.05	402	368	
		2	3.45	3.38	3.52	370		
		3	3.73	3.66	3.80	366		
		4	3.98	3.91	4.05	373		
		5	4.15	4.08	4.22	374		
		6	4.45	4.38	4.52	362		
		7	5.26	5.19	5.33	347		
		8	5.51	5.44	5.58	350		
PCB-1260	1	1	5.17	5.10	5.24	355	340	8.5
		2	5.52	5.44	5.58	348		
		3	5.86	5.79	5.93	345		
		4	6.01	5.94	6.08	340		
		5	6.34	6.26	6.40	338		
		6	7.31	7.23	7.37	326		
		7	7.47	7.40	7.54	321		
		8	8.69	8.62	8.76	345		
	2	1	6.40	6.33	6.47	327	312	
		2	6.73	6.66	6.80	328		
		3	7.37	7.30	7.44	335		
		4	7.56	7.49	7.63	324		
		5	7.67	7.60	7.74	314		
		6	8.21	8.15	8.29	295		
		7	9.40	9.33	9.47	304		
		8	10.07	10.00	10.14	270		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-87509/2-A
 Instrument ID (1): PESTGC7 Instrument ID (2): PESTGC7
 Date Analyzed (1): 09/28/2011 11:49 Date Analyzed (2): 09/28/2011 11:49
 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	2.38	2.31	2.45	384	411	0.3
		2	2.71	2.63	2.77	405		
		3	2.90	2.83	2.97	414		
		4	3.16	3.09	3.23	421		
		5	3.31	3.24	3.38	421		
		6	3.37	3.30	3.44	420		
		7	3.52	3.45	3.59	409		
		8	3.75	3.68	3.82	414		
	2	1	2.99	2.91	3.05	404	410	
		2	3.45	3.38	3.52	403		
		3	3.73	3.66	3.80	411		
		4	3.98	3.91	4.05	407		
		5	4.15	4.08	4.22	413		
		6	4.45	4.38	4.52	414		
		7	5.27	5.19	5.33	401		
		8	5.51	5.44	5.58	427		
PCB-1260	1	1	5.17	5.10	5.24	394	377	6.3
		2	5.52	5.44	5.58	383		
		3	5.86	5.79	5.93	374		
		4	6.01	5.94	6.08	374		
		5	6.34	6.26	6.40	368		
		6	7.31	7.23	7.37	376		
		7	7.47	7.40	7.54	378		
		8	8.69	8.62	8.76	368		
	2	1	6.40	6.33	6.47	367	354	
		2	6.73	6.66	6.80	361		
		3	7.37	7.30	7.44	375		
		4	7.56	7.49	7.63	372		
		5	7.67	7.60	7.74	370		
		6	8.22	8.15	8.29	341		
		7	9.40	9.33	9.47	338		
		8	10.07	10.00	10.14	306		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Client Sample ID: SO-17338-091511-MM-015 Lab Sample ID: 460-31328-5
Matrix: Solid Lab File ID: of178066.d
Analysis Method: 8082 Date Collected: 09/15/2011 11:10
Extraction Method: 3541 Date Extracted: 09/28/2011 03:42
Sample wt/vol: 15.04(g) Date Analyzed: 09/28/2011 12:06
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 13.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 87694 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80		30-150

Data File: of178066.d
Report Date: 29-Sep-2011 09:34

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/of178066.d
Lab Smp Id: 460-31328-D-5-D Client Smp ID: SO-17338-091511-MM-
Inj Date : 28-SEP-2011 12:06
Operator : 615 Inst ID: PESTGC7.i
Smp Info : 460-31328-D-5-D
Misc Info : 460-31328-D-5-D
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/080f8082.m
Meth Date : 29-Sep-2011 09:34 shanthi Quant Type: ESTD
Cal Date : 23-SEP-2011 12:19 Cal File: of177939.d
Als bottle: 17
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	15.04000	Weight of sample extracted (g)
M	13.60000	% 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						
10.590	10.590	0.000	142421 39.9021	31	80.00- 120.00	100.00

Data File: of178066.d

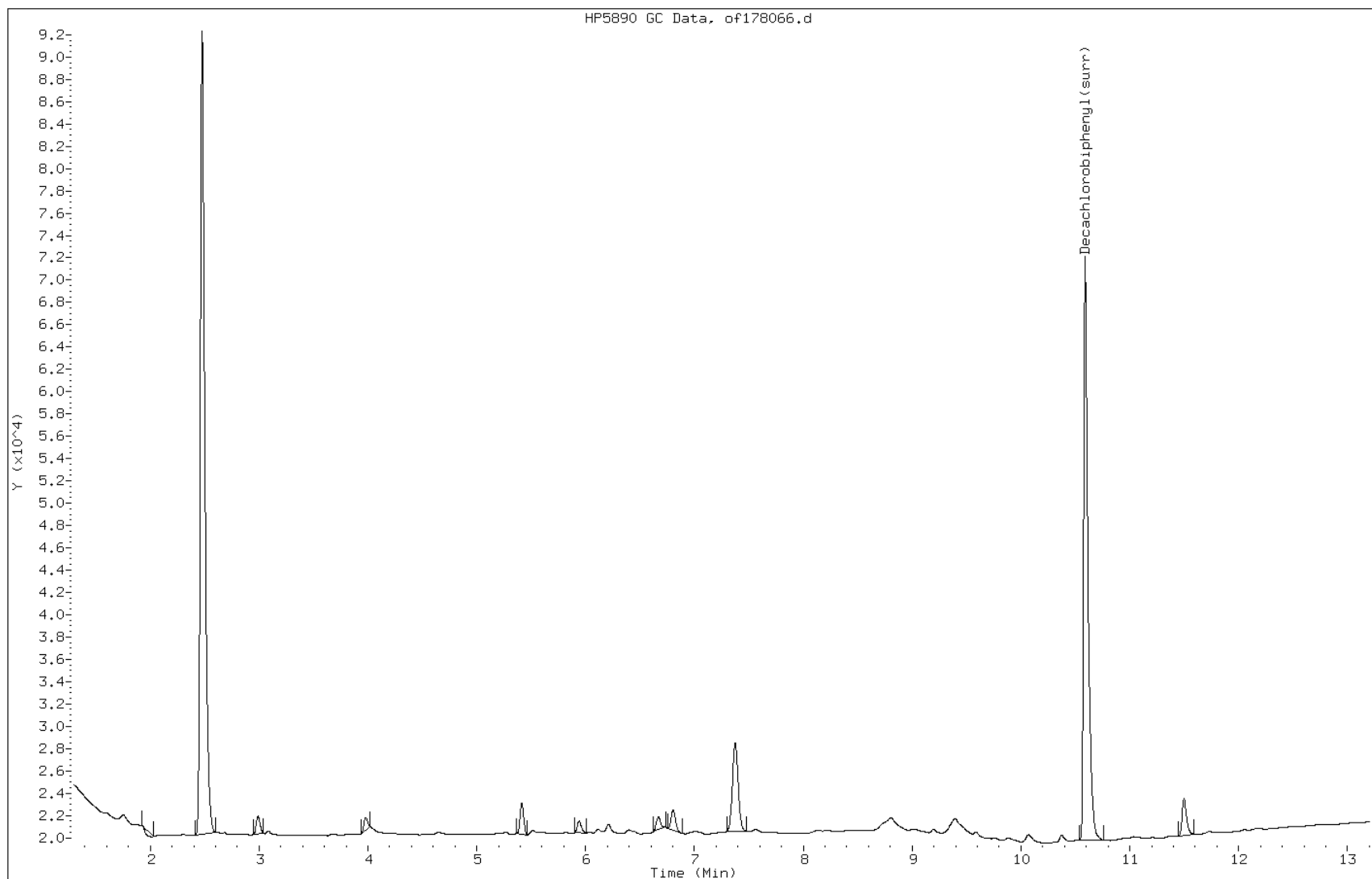
Date: 28-SEP-2011 12:06

Client ID: S0-17338-091511-MM-

Instrument: PESTGC7.i

Sample Info: 460-31328-D-5-D

Operator: 615



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: SO-17338-091511-MM-015 Lab Sample ID: 460-31328-5
 Matrix: Solid Lab File ID: or178066.d
 Analysis Method: 8082 Date Collected: 09/15/2011 11:10
 Extraction Method: 3541 Date Extracted: 09/28/2011 03:42
 Sample wt/vol: 15.04(g) Date Analyzed: 09/28/2011 12:06
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 13.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 87694 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	77	U	77	15
11104-28-2	PCB-1221	77	U	77	23
11141-16-5	PCB-1232	77	U	77	44
53469-21-9	PCB-1242	77	U	77	15
12672-29-6	PCB-1248	77	U	77	21
11097-69-1	PCB-1254	77	U	77	26
11096-82-5	PCB-1260	77	U	77	8.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	87		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/or178066.d
Lab Smp Id: 460-31328-D-5-D Client Smp ID: S0-17338-091511-MM-
Inj Date : 28-SEP-2011 12:06
Operator : 615 Inst ID: PESTGC7.i
Smp Info : 460-31328-D-5-D
Misc Info : 460-31328-D-5-D
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/080r8082.m
Meth Date : 29-Sep-2011 09:33 shanthi Quant Type: ESTD
Cal Date : 23-SEP-2011 12:19 Cal File: or177939.d
Als bottle: 17
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	15.04000	Weight of sample extracted (g)
M	13.60000	% 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									
9.453	9.450	0.003	131484	43.4659	33 80.00- 120.00	100.00			

Data File: or178066.d

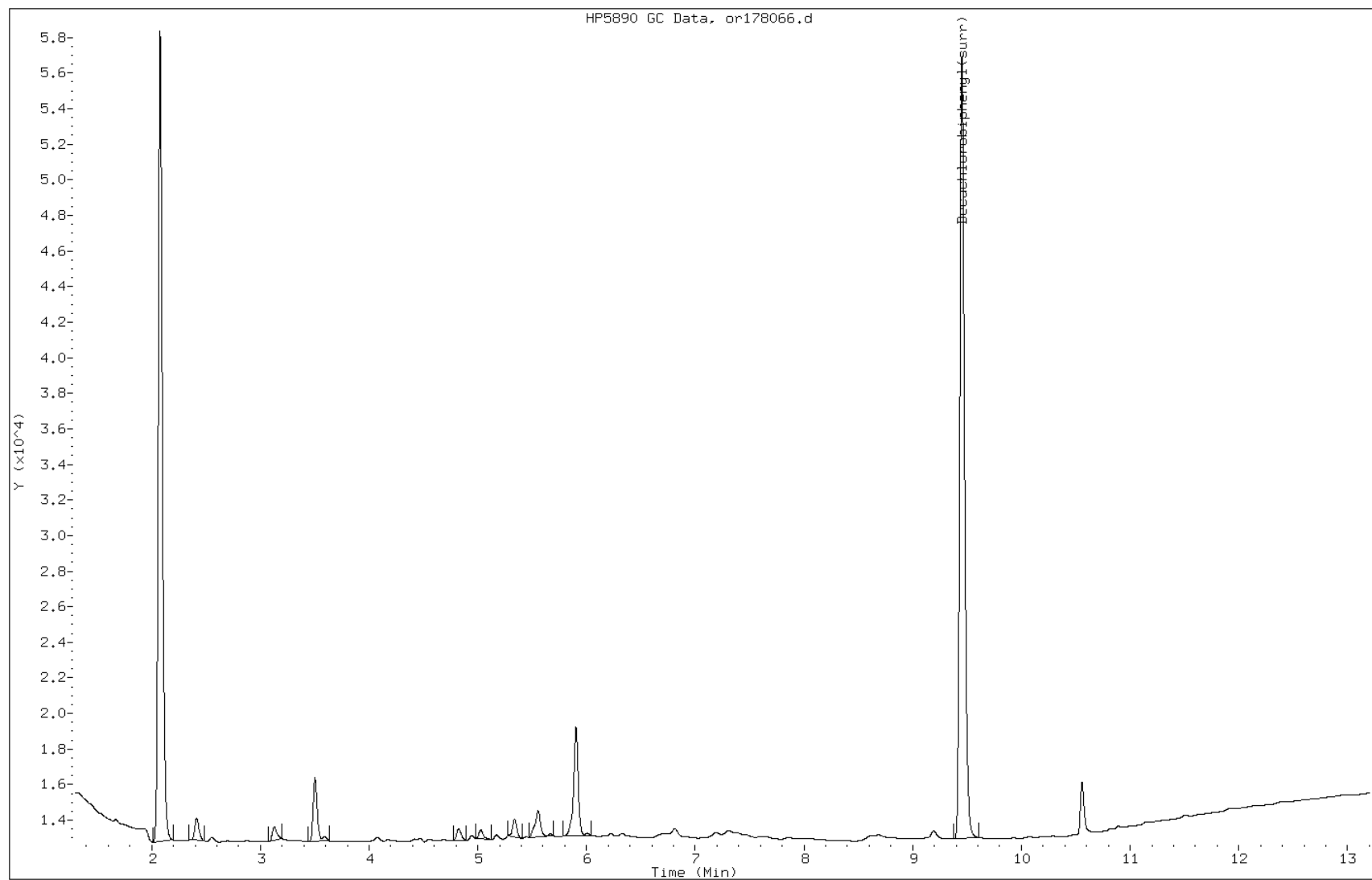
Date: 28-SEP-2011 12:06

Client ID: S0-17338-091511-MM-

Instrument: PESTGC7.i

Sample Info: 460-31328-D-5-D

Operator: 615



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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 09:19 Calibration End Date: 09/23/2011 10:24 Calibration ID: 12349

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/6	of177928.d
Level 2	IC 460-87132/7	of177929.d
Level 3	IC 460-87132/8	of177930.d
Level 4	IC 460-87132/9	of177931.d
Level 5	IC 460-87132/10	of177932.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	2.975	2.973	2.973	2.975	2.970						2.903 - 3.043	2.973
PCB-1016 Peak 2	3.438	3.437	3.437	3.438	3.435						3.367 - 3.507	3.437
PCB-1016 Peak 3	3.718	3.717	3.717	3.718	3.713						3.647 - 3.787	3.717
PCB-1016 Peak 4	3.973	3.973	3.972	3.973	3.970						3.902 - 4.042	3.972
PCB-1016 Peak 5	4.140	4.140	4.138	4.140	4.137						4.068 - 4.208	4.139
PCB-1016 Peak 6	4.440	4.438	4.438	4.438	4.435						4.368 - 4.508	4.438
PCB-1016 Peak 7	5.257	5.255	5.255	5.257	5.253						5.185 - 5.325	5.255
PCB-1016 Peak 8	5.503	5.503	5.502	5.503	5.500						5.432 - 5.572	5.502
PCB-1260 Peak 1	6.388	6.387	6.387	6.387	6.383						6.317 - 6.457	6.386
PCB-1260 Peak 2	6.720	6.718	6.718	6.718	6.717						6.648 - 6.788	6.718
PCB-1260 Peak 3	7.358	7.357	7.357	7.357	7.353						7.287 - 7.427	7.356
PCB-1260 Peak 4	7.550	7.550	7.548	7.550	7.547						7.478 - 7.618	7.549
PCB-1260 Peak 5	7.663	7.662	7.662	7.662	7.660						7.592 - 7.732	7.662
PCB-1260 Peak 6	8.205	8.205	8.203	8.205	8.202						8.133 - 8.273	8.204
PCB-1260 Peak 7	9.390	9.388	9.388	9.388	9.387						9.318 - 9.458	9.388
PCB-1260 Peak 8	10.065	10.065	10.063	10.065	10.063						9.993 - 10.133	10.064
DCB Decachlorobiphenyl	10.585	10.585	10.583	10.585	10.583						10.483 - 10.683	10.584

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 09:19 Calibration End Date: 09/23/2011 10:24 Calibration ID: 12349

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/6	of177928.d
Level 2	IC 460-87132/7	of177929.d
Level 3	IC 460-87132/8	of177930.d
Level 4	IC 460-87132/9	of177931.d
Level 5	IC 460-87132/10	of177932.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	107.10 112.16	136.77	124.38	120.44	Ave		120.167507				9.6		20.0			
PCB-1016 Peak 2	302.11 238.02	307.66	272.24	257.79	Ave		275.563667				10.7		20.0			
PCB-1016 Peak 3	121.80 116.15	138.40	129.51	121.80	Ave		125.533013				6.9		20.0			
PCB-1016 Peak 4	510.37 458.19	560.90	508.12	482.80	Ave		504.073747				7.6		20.0			
PCB-1016 Peak 5	207.08 194.81	237.19	214.94	200.38	Ave		210.879520				7.8		20.0			
PCB-1016 Peak 6	142.24 116.37	149.34	130.49	121.28	Ave		131.944480				10.5		20.0			
PCB-1016 Peak 7	122.69 113.53	131.86	128.67	127.85	Ave		124.918960				5.7		20.0			
PCB-1016 Peak 8	118.92 100.71	123.37	118.81	107.71	Ave		113.903347				8.2		20.0			
PCB-1260 Peak 1	348.10 300.36	365.47	349.64	319.41	Ave		336.595587				7.8		20.0			
PCB-1260 Peak 2	399.48 336.88	412.70	392.46	359.55	Ave		380.213613				8.2		20.0			
PCB-1260 Peak 3	480.25 481.29	596.51	561.28	522.27	Ave		528.319053				9.6		20.0			
PCB-1260 Peak 4	230.71 225.14	272.43	259.77	240.23	Ave		245.656013				8.1		20.0			
PCB-1260 Peak 5	120.30 137.91	157.06	153.99	143.12	Ave		142.476840				10.3		20.0			
PCB-1260 Peak 6	401.88 277.21	319.53	315.85	293.47	Ave		321.588640				14.9		20.0			
PCB-1260 Peak 7	377.62 343.00	398.43	383.99	352.88	Ave		371.182707				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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 09:19 Calibration End Date: 09/23/2011 10:24 Calibration ID: 12349

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	113.26 119.68	123.45	124.36	126.72	Ave		121.494533				4.3		20.0			
DCB Decachlorobiphenyl	3360.2 3388.1	3931.5	3643.4	3523.0	Ave		3569.25933				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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 09:19 Calibration End Date: 09/23/2011 10:24 Calibration ID: 12349

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/6	of177928.d
Level 2	IC 460-87132/7	of177929.d
Level 3	IC 460-87132/8	of177930.d
Level 4	IC 460-87132/9	of177931.d
Level 5	IC 460-87132/10	of177932.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	10710	68383	124377	180656	280393	100	500	1000	1500	2500
PCB-1016 Peak 2	Ave	30211	153831	272241	386681	595045	100	500	1000	1500	2500
PCB-1016 Peak 3	Ave	12180	69202	129512	182704	290366	100	500	1000	1500	2500
PCB-1016 Peak 4	Ave	51037	280450	508117	724193	1145466	100	500	1000	1500	2500
PCB-1016 Peak 5	Ave	20708	118597	214940	300564	487019	100	500	1000	1500	2500
PCB-1016 Peak 6	Ave	14224	74671	130488	181923	290926	100	500	1000	1500	2500
PCB-1016 Peak 7	Ave	12269	65929	128668	191775	283822	100	500	1000	1500	2500
PCB-1016 Peak 8	Ave	11892	61684	118807	161570	251771	100	500	1000	1500	2500
PCB-1260 Peak 1	Ave	34810	182737	349637	479108	750904	100	500	1000	1500	2500
PCB-1260 Peak 2	Ave	39948	206348	392457	539329	842206	100	500	1000	1500	2500
PCB-1260 Peak 3	Ave	48025	298255	561279	783406	1203214	100	500	1000	1500	2500
PCB-1260 Peak 4	Ave	23071	136214	259765	360349	562861	100	500	1000	1500	2500
PCB-1260 Peak 5	Ave	12030	78532	153987	214686	344773	100	500	1000	1500	2500
PCB-1260 Peak 6	Ave	40188	159767	315848	440211	693018	100	500	1000	1500	2500
PCB-1260 Peak 7	Ave	37762	199213	383993	529313	857498	100	500	1000	1500	2500
PCB-1260 Peak 8	Ave	11326	61726	124362	190084	299190	100	500	1000	1500	2500
DCB Decachlorobiphenyl	Ave	84005	196574	364344	528457	677626	25.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

Data File: of177928.d
 Report Date: 23-Sep-2011 14:06

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/of177928.d
 Lab Smp Id: IC-SG1660L1_00010
 Inj Date : 23-SEP-2011 09:19
 Operator : 615
 Smp Info : IC-SG1660L1_00010
 Misc Info :
 Comment :
 Method : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/080f8082.m
 Meth Date : 23-Sep-2011 14:06 shanthi
 Cal Date : 23-SEP-2011 09:19
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3
 Inst ID: PESTGC7.i
 Quant Type: ESTD
 Cal File: of177928.d
 Calibration Sample, Level: 1
 Compound Sublist: AR16600S.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

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
21 Aroclor-1016					CAS #: 12674-11-2				
2.975	2.973	0.002	10710	100.000	89	80.00-	120.00	100.00(M)	
3.438	3.437	0.001	30211	100.000	110	225.67-	338.50	282.08	
3.718	3.717	0.001	12180	100.000	97	90.98-	136.47	113.73	
3.973	3.972	0.001	51037	100.000	100	381.23-	571.84	476.54	
4.140	4.138	0.002	20708	100.000	98	154.68-	232.02	193.35	
4.440	4.438	0.002	14224	100.000	110	106.25-	159.37	132.81	
5.257	5.255	0.002	12269	100.000	98	91.65-	137.47	114.56	
5.503	5.502	0.001	11892	100.000	100	88.83-	133.24	111.04	
Average of Peak Amounts =					101				

27 Aroclor-1260					CAS #: 11096-82-5				
6.388	6.387	0.001	34810	100.000	100	80.00-	120.00	100.00(M)	

Data File: of177928.d
 Report Date: 23-Sep-2011 14:06

AMOUNTS									
			CAL -AMT		ON -COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.720	6.718	0.002	39948	100.000	100	91.81-	137.71	114.76	
7.358	7.357	0.001	48025	100.000	91	110.37-	165.56	137.96	
7.550	7.548	0.002	23071	100.000	94	53.02-	79.53	66.28	
7.663	7.662	0.001	12030	100.000	84	27.65-	41.47	34.56	
8.205	8.203	0.002	40188	100.000	120	92.36-	138.54	115.45	
9.390	9.388	0.002	37762	100.000	100	86.78-	130.18	108.48	
10.065	10.063	0.002	11326	100.000	93	26.03-	39.04	32.54	
Average of Peak Amounts =					99.7				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.585	10.583	0.002	84005	25.0000	24	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: of177928.d

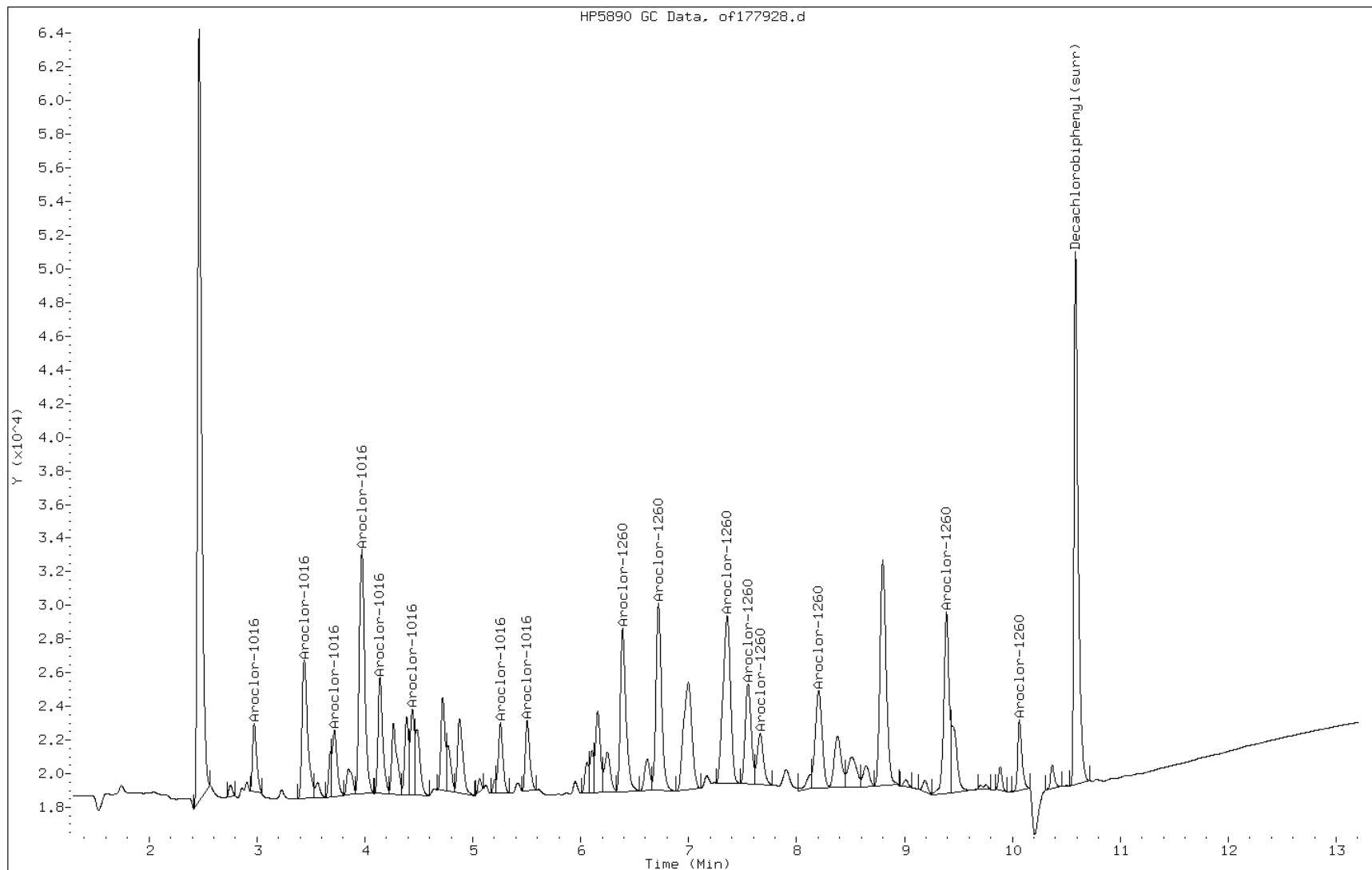
Date: 23-SEP-2011 09:19

Client ID:

Instrument: PESTGC7.i

Sample Info: IC-SG1660L1_00010

Operator: 615



Data File: of177929.d
Report Date: 23-Sep-2011 14:06

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/of177929.d
Lab Smp Id: IC-SG1660L2_00010
Inj Date : 23-SEP-2011 09:35
Operator : 615
Smp Info : IC-SG1660L2_00010
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/080f8082.m
Meth Date : 23-Sep-2011 14:06 shanthi
Cal Date : 23-SEP-2011 09:35
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: of177929.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			
2.973	2.973	0.000	68383 500.000	570	80.00- 120.00	100.00
3.437	3.437	0.000	153831 500.000	560	179.96- 269.95	224.96
3.717	3.717	0.000	69202 500.000	550	80.96- 121.44	101.20
3.973	3.972	0.001	280450 500.000	560	328.09- 492.14	410.12
4.140	4.138	0.002	118597 500.000	560	138.74- 208.12	173.43
4.438	4.438	0.000	74671 500.000	560	87.36- 131.03	109.20
5.255	5.255	0.000	65929 500.000	530	77.13- 115.69	96.41
5.503	5.502	0.001	61684 500.000	540	72.16- 108.24	90.20
Average of Peak Amounts =			554			
27 Aroclor-1260			CAS #: 11096-82-5			
6.387	6.387	0.000	182737 500.000	540	80.00- 120.00	100.00(M)

Data File: of177929.d
 Report Date: 23-Sep-2011 14:06

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.718	6.718	0.000	206348	500.000	540	90.34-	135.50	112.92	
7.357	7.357	0.000	298255	500.000	560	130.57-	195.86	163.22	
7.550	7.548	0.002	136214	500.000	550	59.63-	89.45	74.54	
7.662	7.662	0.000	78532	500.000	550	34.38-	51.57	42.98	
8.205	8.203	0.002	159767	500.000	500	69.94-	104.92	87.43	
9.388	9.388	0.000	199213	500.000	540	87.21-	130.82	109.02	
10.065	10.063	0.002	61726	500.000	510	27.02-	40.53	33.78	
Average of Peak Amounts =					537				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.585	10.583	0.002	196574	50.0000	55	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: of177929.d

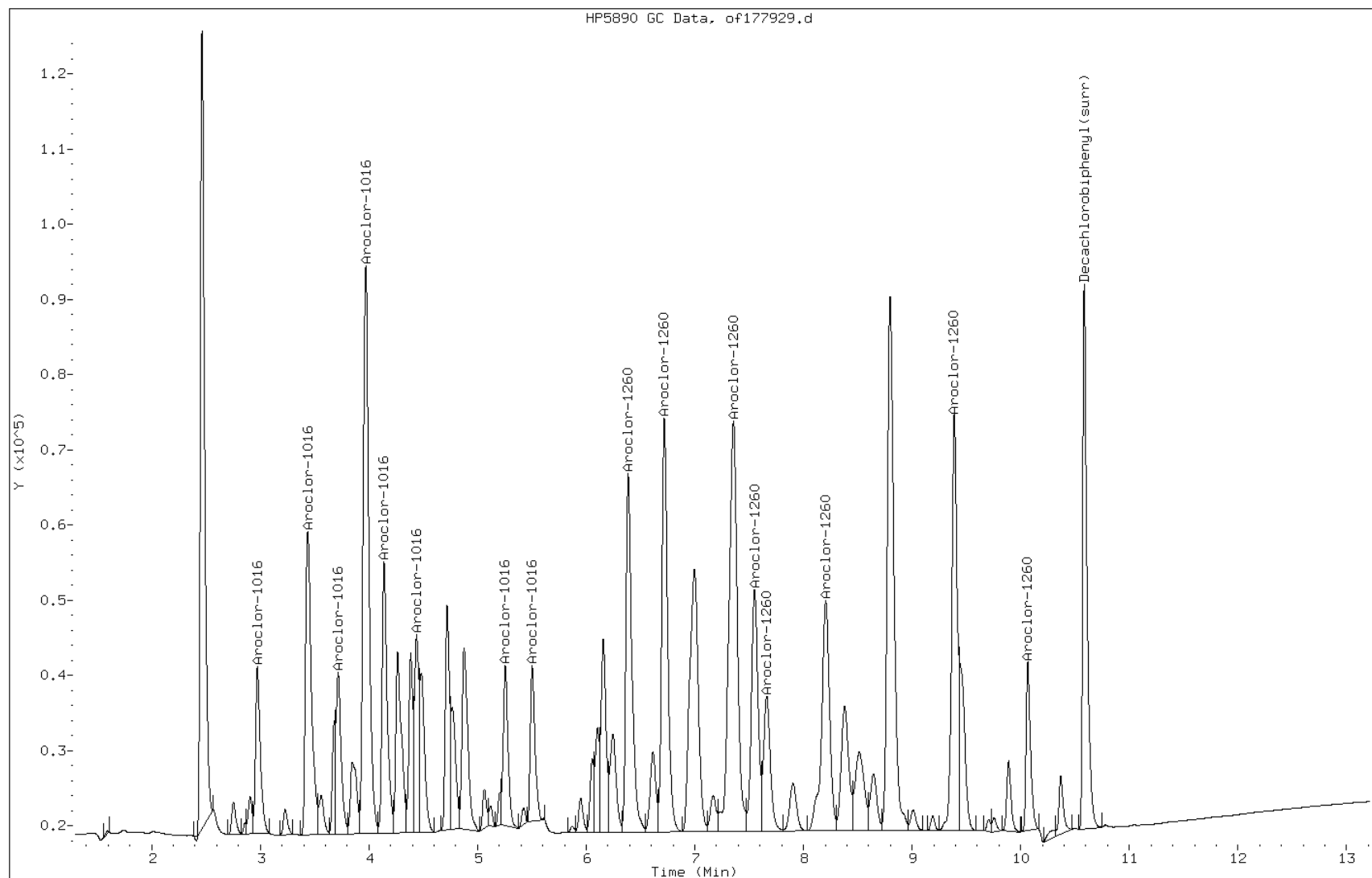
Date: 23-SEP-2011 09:35

Client ID:

Instrument: PESTGC7.i

Sample Info: IC-SG1660L2_00010

Operator: 615



Data File: of177930.d
Report Date: 23-Sep-2011 14:06

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/of177930.d
Lab Smp Id: IC-SG1660L3_00013
Inj Date : 23-SEP-2011 09:52
Operator : 615
Smp Info : IC-SG1660L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/080f8082.m
Meth Date : 23-Sep-2011 14:06 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: of177939.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			
2.973	2.973	0.000	124377 1000.00	1000	80.00- 120.00	100.00
3.437	3.437	0.000	272241 1000.00	990	175.11- 262.66	218.88
3.717	3.717	0.000	129512 1000.00	1000	83.30- 124.95	104.13
3.972	3.972	0.000	508117 1000.00	1000	326.82- 490.24	408.53
4.138	4.138	0.000	214940 1000.00	1000	138.25- 207.38	172.81
4.438	4.438	0.000	130488 1000.00	990	83.93- 125.90	104.91
5.255	5.255	0.000	128668 1000.00	1000	82.76- 124.14	103.45
5.502	5.502	0.000	118807 1000.00	1000	76.42- 114.63	95.52
Average of Peak Amounts =			1.02e+03			
27 Aroclor-1260			CAS #: 11096-82-5			
6.387	6.387	0.000	349637 1000.00	1000	80.00- 120.00	100.00(M)

Data File: of177930.d
 Report Date: 23-Sep-2011 14:06

AMOUNTS									
			CAL -AMT		ON -COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.718	6.718	0.000	392457	1000.00	1000	89.80-	134.70	112.25	
7.357	7.357	0.000	561279	1000.00	1100	128.43-	192.64	160.53	
7.548	7.548	0.000	259765	1000.00	1000	59.44-	89.15	74.30	
7.662	7.662	0.000	153987	1000.00	1100	35.23-	52.85	44.04	
8.203	8.203	0.000	315848	1000.00	980	72.27-	108.40	90.34	
9.388	9.388	0.000	383993	1000.00	1000	87.86-	131.79	109.83	
10.063	10.063	0.000	124362	1000.00	1000	28.46-	42.68	35.57	
Average of Peak Amounts =					1.04e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.583	10.583	0.000	364344	100.000	100	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: of177930.d

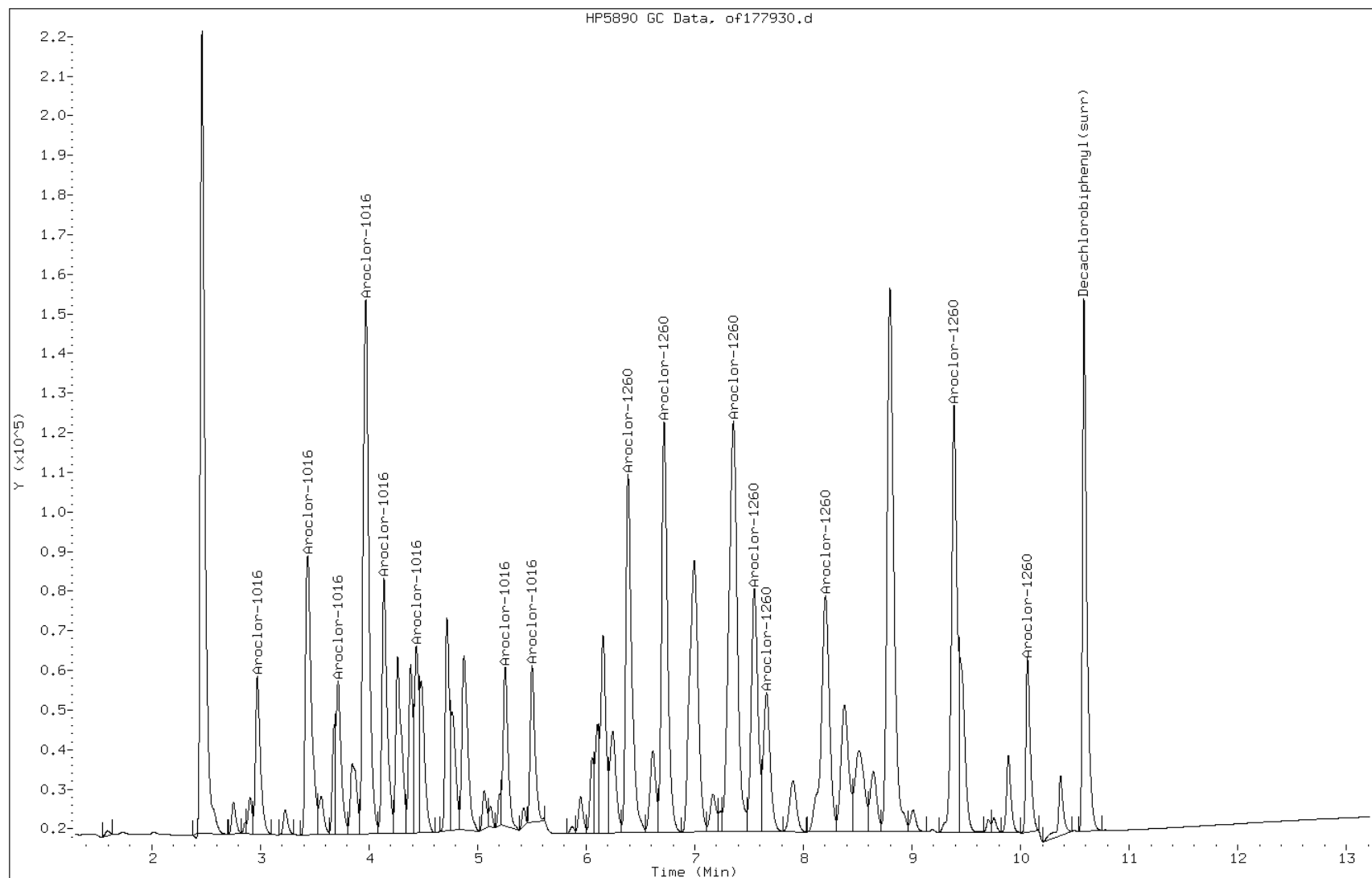
Date: 23-SEP-2011 09:52

Client ID:

Instrument: PESTGC7.i

Sample Info: IC-SG1660L3_00013

Operator: 615



Data File: of177931.d
Report Date: 23-Sep-2011 14:06

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/of177931.d
Lab Smp Id: IC-SG1660L4_00010
Inj Date : 23-SEP-2011 10:08
Operator : 615
Smp Info : IC-SG1660L4_00010
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/080f8082.m
Meth Date : 23-Sep-2011 14:06 shanthi
Cal Date : 23-SEP-2011 10:08
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: of177931.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				
2.975	2.973	0.002	180656	1500.00	1500	80.00-	120.00	100.00	
3.438	3.437	0.001	386681	1500.00	1400	171.23-	256.85	214.04	
3.718	3.717	0.001	182704	1500.00	1400	80.91-	121.36	101.13	
3.973	3.972	0.001	724193	1500.00	1400	320.69-	481.04	400.87	
4.140	4.138	0.002	300564	1500.00	1400	133.10-	199.65	166.37	
4.438	4.438	0.000	181923	1500.00	1400	80.56-	120.84	100.70	
5.257	5.255	0.002	191775	1500.00	1500	84.92-	127.39	106.15	
5.503	5.502	0.001	161570	1500.00	1400	71.55-	107.32	89.44	
Average of Peak Amounts =					1.44e+03				

27 Aroclor-1260					CAS #: 11096-82-5				
6.387	6.387	0.000	479108	1500.00	1400	80.00-	120.00	100.00(M)	

Data File: of177931.d
 Report Date: 23-Sep-2011 14:06

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	TARGET	RANGE	RATIO	
				(ug/L)	(ug/L)				
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.718	6.718	0.000	539329	1500.00	1400	90.06-	135.08	112.57	
7.357	7.357	0.000	783406	1500.00	1500	130.81-	196.22	163.51	
7.550	7.548	0.002	360349	1500.00	1500	60.17-	90.25	75.21	
7.662	7.662	0.000	214686	1500.00	1500	35.85-	53.77	44.81	
8.205	8.203	0.002	440211	1500.00	1400	73.51-	110.26	91.88	
9.388	9.388	0.000	529313	1500.00	1400	88.38-	132.57	110.48	
10.065	10.063	0.002	190084	1500.00	1600	31.74-	47.61	39.67	
Average of Peak Amounts =					1.46e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.585	10.583	0.002	528457	150.000	150	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: of177931.d

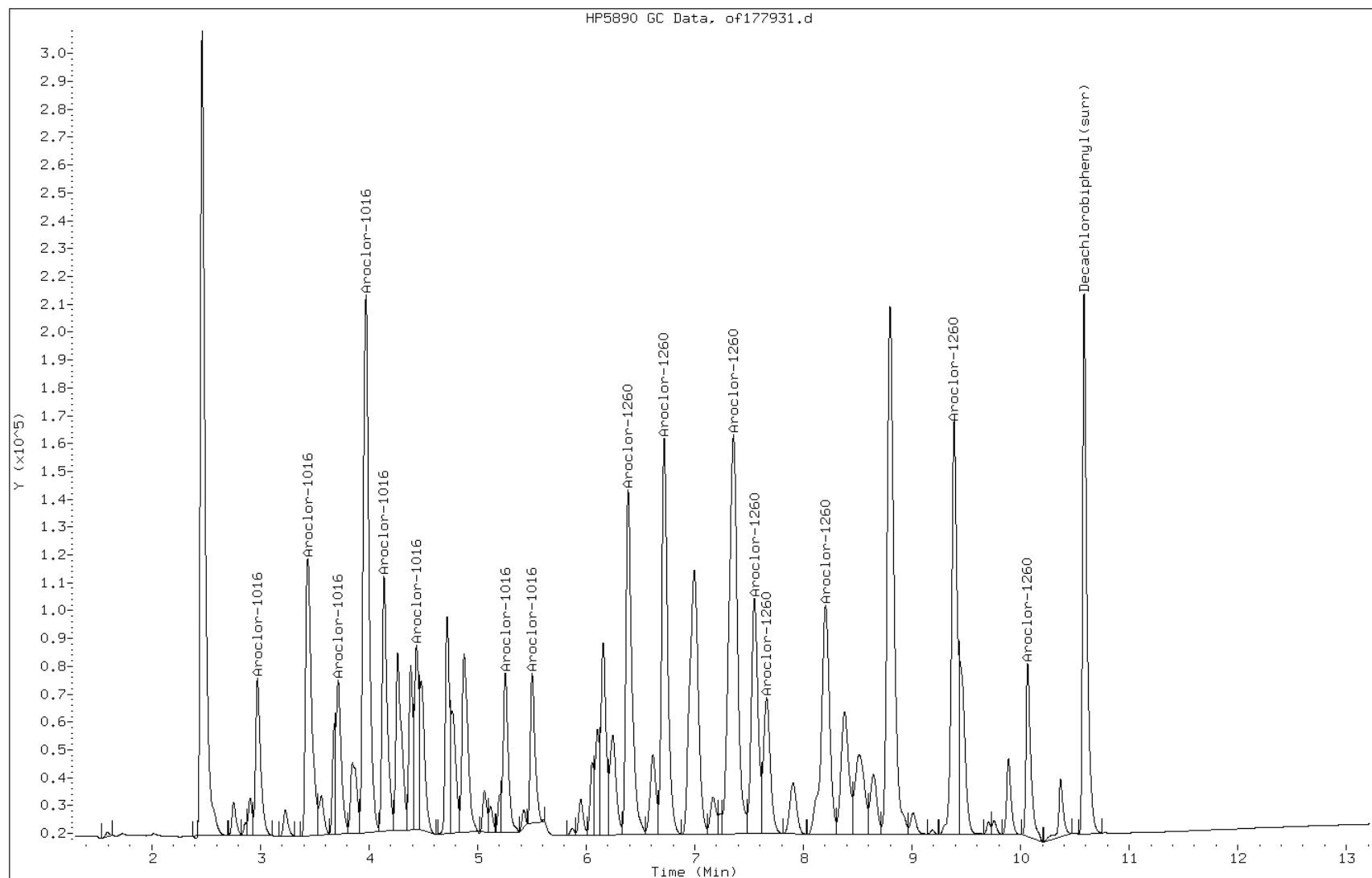
Date: 23-SEP-2011 10:08

Client ID:

Instrument: PESTGC7.i

Sample Info: IC-SG1660L4_00010

Operator: 615



Data File: of177932.d
Report Date: 23-Sep-2011 14:06

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/of177932.d
Lab Smp Id: IC-SG1660L5_00010
Inj Date : 23-SEP-2011 10:24
Operator : 615
Smp Info : IC-SG1660L5_00010
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/080f8082.m
Meth Date : 23-Sep-2011 14:06 shanthi
Cal Date : 23-SEP-2011 10:24
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: of177932.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				
2.970	2.973	-0.003	280393	2500.00	2300	80.00-	120.00	100.00	
3.435	3.437	-0.002	595045	2500.00	2200	169.77-	254.66	212.22	
3.713	3.717	-0.004	290366	2500.00	2300	82.85-	124.27	103.56	
3.970	3.972	-0.002	1145466	2500.00	2300	326.82-	490.23	408.52	
4.137	4.138	-0.001	487019	2500.00	2300	138.95-	208.43	173.69	
4.435	4.438	-0.003	290926	2500.00	2200	83.01-	124.51	103.76	
5.253	5.255	-0.002	283822	2500.00	2300	80.98-	121.47	101.22	
5.500	5.502	-0.002	251771	2500.00	2200	71.83-	107.75	89.79	
Average of Peak Amounts =					2.26e+03				

27 Aroclor-1260					CAS #: 11096-82-5				
6.383	6.387	-0.004	750904	2500.00	2200	80.00-	120.00	100.00(M)	

Data File: of177932.d
 Report Date: 23-Sep-2011 14:06

AMOUNTS									
			CAL -AMT		ON -COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.717	6.718	-0.001	842206	2500.00	2200	89.73-	134.59	112.16	
7.353	7.357	-0.004	1203214	2500.00	2300	128.19-	192.28	160.24	
7.547	7.548	-0.001	562861	2500.00	2300	59.97-	89.95	74.96	
7.660	7.662	-0.002	344773	2500.00	2400	36.73-	55.10	45.91	
8.202	8.203	-0.001	693018	2500.00	2200	73.83-	110.75	92.29	
9.387	9.388	-0.001	857498	2500.00	2300	91.36-	137.03	114.20	
10.063	10.063	0.000	299190	2500.00	2500	31.88-	47.81	39.84	
Average of Peak Amounts =					2.3e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.583	10.583	0.000	677626	200.000	190	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: of177932.d

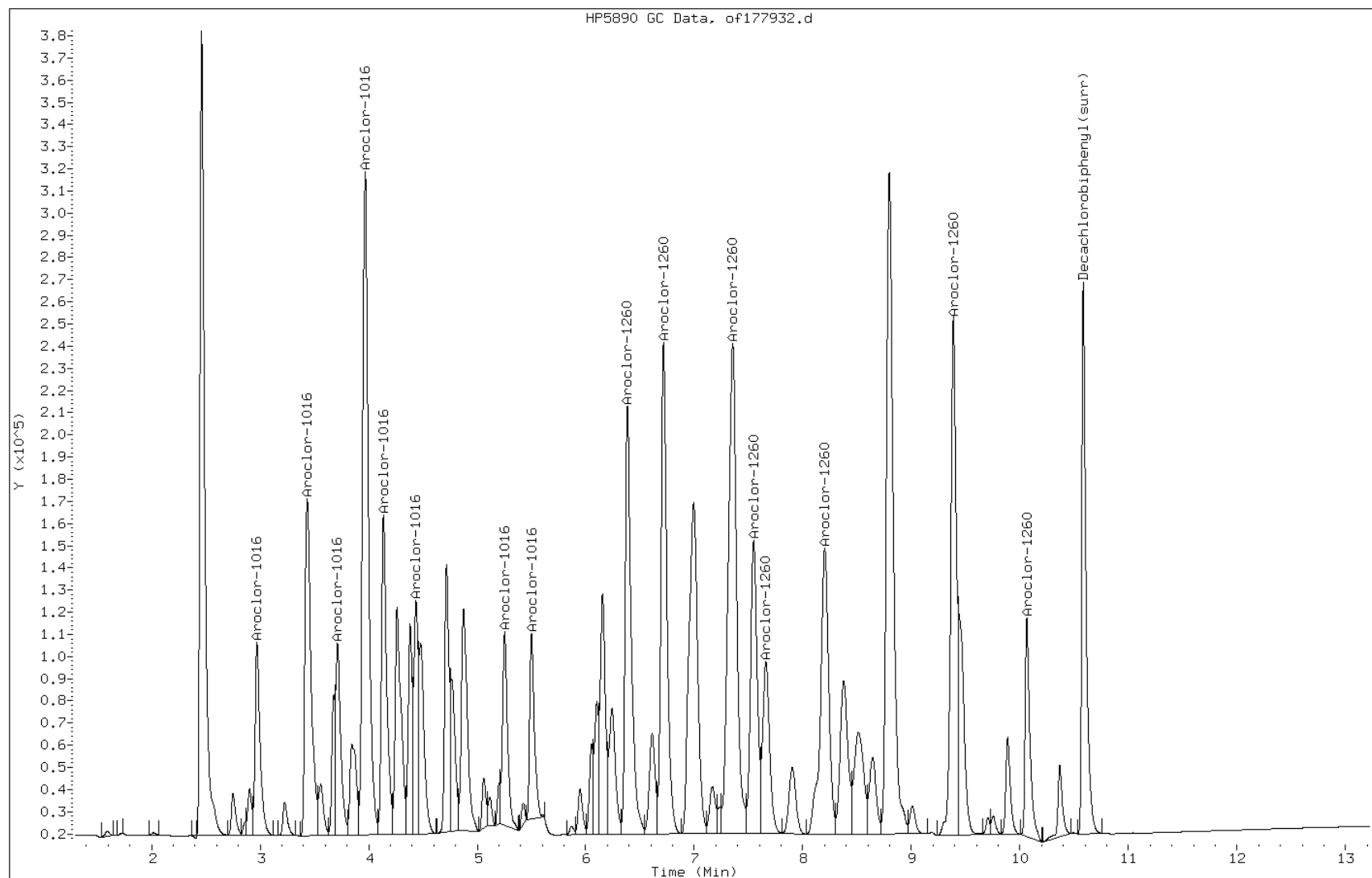
Date: 23-SEP-2011 10:24

Client ID:

Instrument: PESTGC7.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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 09:19 Calibration End Date: 09/23/2011 10:24 Calibration ID: 12348

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/6	or177928.d
Level 2	IC 460-87132/7	or177929.d
Level 3	IC 460-87132/8	or177930.d
Level 4	IC 460-87132/9	or177931.d
Level 5	IC 460-87132/10	or177932.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	2.370	2.370	2.368	2.370	2.368						2.298 - 2.438	2.369
PCB-1016 Peak 2	2.700	2.700	2.698	2.700	2.698						2.628 - 2.768	2.699
PCB-1016 Peak 3	2.895	2.893	2.893	2.893	2.892						2.823 - 2.963	2.893
PCB-1016 Peak 4	3.158	3.157	3.157	3.158	3.157						3.087 - 3.227	3.157
PCB-1016 Peak 5	3.303	3.302	3.302	3.302	3.300						3.232 - 3.372	3.302
PCB-1016 Peak 6	3.365	3.365	3.365	3.365	3.365						3.295 - 3.435	3.365
PCB-1016 Peak 7	3.517	3.517	3.517	3.518	3.517						3.447 - 3.587	3.517
PCB-1016 Peak 8	3.747	3.745	3.743	3.745	3.743						3.673 - 3.813	3.745
PCB-1260 Peak 1	5.175	5.173	5.172	5.173	5.172						5.102 - 5.242	5.173
PCB-1260 Peak 2	5.518	5.517	5.517	5.517	5.517						5.447 - 5.587	5.517
PCB-1260 Peak 3	5.865	5.863	5.863	5.863	5.863						5.793 - 5.933	5.864
PCB-1260 Peak 4	6.013	6.012	6.010	6.012	6.010						5.940 - 6.080	6.011
PCB-1260 Peak 5	6.342	6.342	6.340	6.340	6.340						6.270 - 6.410	6.341
PCB-1260 Peak 6	7.308	7.308	7.307	7.308	7.307						7.237 - 7.377	7.308
PCB-1260 Peak 7	7.473	7.473	7.472	7.472	7.470						7.402 - 7.542	7.472
PCB-1260 Peak 8	8.692	8.692	8.690	8.690	8.690						8.620 - 8.760	8.691
DCB Decachlorobiphenyl	9.460	9.460	9.458	9.460	9.458						9.358 - 9.558	9.459

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 09:19 Calibration End Date: 09/23/2011 10:24 Calibration ID: 12348

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/6	or177928.d
Level 2	IC 460-87132/7	or177929.d
Level 3	IC 460-87132/8	or177930.d
Level 4	IC 460-87132/9	or177931.d
Level 5	IC 460-87132/10	or177932.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	104.67 81.257	103.72	92.567	88.432	Ave		94.1291600				10.7		20.0			
PCB-1016 Peak 2	175.55 133.62	175.93	153.71	145.50	Ave		156.862827				11.9		20.0			
PCB-1016 Peak 3	98.410 99.330	120.36	109.28	105.26	Ave		106.527053				8.4		20.0			
PCB-1016 Peak 4	321.44 295.03	355.22	323.80	313.34	Ave		321.767800				6.8		20.0			
PCB-1016 Peak 5	127.83 113.77	140.34	125.73	121.88	Ave		125.909133				7.7		20.0			
PCB-1016 Peak 6	70.980 83.991	92.982	89.464	87.453	Ave		84.9740267				10.0		20.0			
PCB-1016 Peak 7	169.61 128.39	166.34	144.58	136.27	Ave		149.038547				12.2		20.0			
PCB-1016 Peak 8	137.13 117.47	145.53	131.70	126.05	Ave		131.574520				8.1		20.0			
PCB-1260 Peak 1	195.04 162.64	196.92	191.88	167.41	Ave		182.777707				9.0		20.0			
PCB-1260 Peak 2	364.74 291.47	359.29	344.83	307.86	Ave		333.636240				9.7		20.0			
PCB-1260 Peak 3	319.53 288.46	340.77	332.73	300.59	Ave		316.415693				6.9		20.0			
PCB-1260 Peak 4	160.19 132.91	158.32	153.87	137.40	Ave		148.536520				8.4		20.0			
PCB-1260 Peak 5	167.59 146.59	174.44	169.31	152.22	Ave		162.029120				7.4		20.0			
PCB-1260 Peak 6	172.53 188.70	218.13	214.37	199.48	Ave		198.643827				9.4		20.0			
PCB-1260 Peak 7	89.580 96.237	105.43	106.16	99.533	Ave		99.3874267				6.9		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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 09:19 Calibration End Date: 09/23/2011 10:24 Calibration ID: 12348

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	89.830 90.486	102.11	106.00	93.820	Ave		96.4494800				7.5		20.0			
DCB Decachlorobiphenyl	2919.0 2780.9	3385.5	3120.1	2919.4	Ave		3024.99033				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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 09:19 Calibration End Date: 09/23/2011 10:24 Calibration ID: 12348

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/6	or177928.d
Level 2	IC 460-87132/7	or177929.d
Level 3	IC 460-87132/8	or177930.d
Level 4	IC 460-87132/9	or177931.d
Level 5	IC 460-87132/10	or177932.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	10467	51860	92567	132648	203142	100	500	1000	1500	2500
PCB-1016 Peak 2	Ave	17555	87963	153714	218255	334052	100	500	1000	1500	2500
PCB-1016 Peak 3	Ave	9841	60179	109281	157885	248324	100	500	1000	1500	2500
PCB-1016 Peak 4	Ave	32144	177610	323801	470016	737585	100	500	1000	1500	2500
PCB-1016 Peak 5	Ave	12783	70170	125725	182818	284430	100	500	1000	1500	2500
PCB-1016 Peak 6	Ave	7098	46491	89464	131180	209977	100	500	1000	1500	2500
PCB-1016 Peak 7	Ave	16961	83172	144579	204398	320986	100	500	1000	1500	2500
PCB-1016 Peak 8	Ave	13713	72766	131695	189075	293664	100	500	1000	1500	2500
PCB-1260 Peak 1	Ave	19504	98461	191878	251114	406598	100	500	1000	1500	2500
PCB-1260 Peak 2	Ave	36474	179645	344828	461787	728663	100	500	1000	1500	2500
PCB-1260 Peak 3	Ave	31953	170384	332725	450886	721162	100	500	1000	1500	2500
PCB-1260 Peak 4	Ave	16019	79158	153871	206097	332269	100	500	1000	1500	2500
PCB-1260 Peak 5	Ave	16759	87218	169308	228330	366479	100	500	1000	1500	2500
PCB-1260 Peak 6	Ave	17253	109067	214369	299225	471757	100	500	1000	1500	2500
PCB-1260 Peak 7	Ave	8958	52716	106155	149300	240592	100	500	1000	1500	2500
PCB-1260 Peak 8	Ave	8983	51056	105999	140730	226216	100	500	1000	1500	2500
DCB Decachlorobiphenyl	Ave	72976	169275	312012	437911	556177	25.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/or177928.d
Lab Smp Id: IC-SG1660L1_00010
Inj Date : 23-SEP-2011 09:19
Operator : 615
Smp Info : IC-SG1660L1_00010
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/080r8082.m
Meth Date : 23-Sep-2011 14:05 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.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				
2.370	2.368	0.002	10467	100.000	110	80.00-	120.00	100.00(M)	
2.700	2.698	0.002	17555	100.000	110	131.55-	197.33	167.72	
2.895	2.893	0.002	9841	100.000	92	97.79-	146.69	94.02	
3.158	3.157	0.001	32144	100.000	100	290.47-	435.71	307.10	
3.303	3.302	0.001	12783	100.000	100	112.01-	168.02	122.13	
3.365	3.365	0.000	7098	100.000	84	82.69-	124.04	67.81	
3.517	3.517	0.000	16961	100.000	110	126.41-	189.61	162.04	
3.747	3.743	0.004	13713	100.000	100	115.65-	173.47	131.01	
Average of Peak Amounts =					102				

27 Aroclor-1260					CAS #: 11096-82-5				
5.175	5.172	0.003	19504	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)									
5.518	5.517	0.001	36474	100.000	110	143.37-	215.05	187.01	
5.865	5.863	0.002	31953	100.000	100	141.89-	212.84	163.83	
6.013	6.010	0.003	16019	100.000	110	65.38-	98.06	82.13	
6.342	6.340	0.002	16759	100.000	100	72.11-	108.16	85.93	
7.308	7.307	0.001	17253	100.000	87	92.82-	139.23	88.46	
7.473	7.472	0.001	8958	100.000	90	47.34-	71.01	45.93	
8.692	8.690	0.002	8983	100.000	93	44.51-	66.76	46.06	
Average of Peak Amounts =					99.8				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.460	9.458	0.002	72976	25.0000	24	80.00-	120.00	100.00(M)	

QC Flag Legend

M - Compound response manually integrated.

Data File: or177928.d

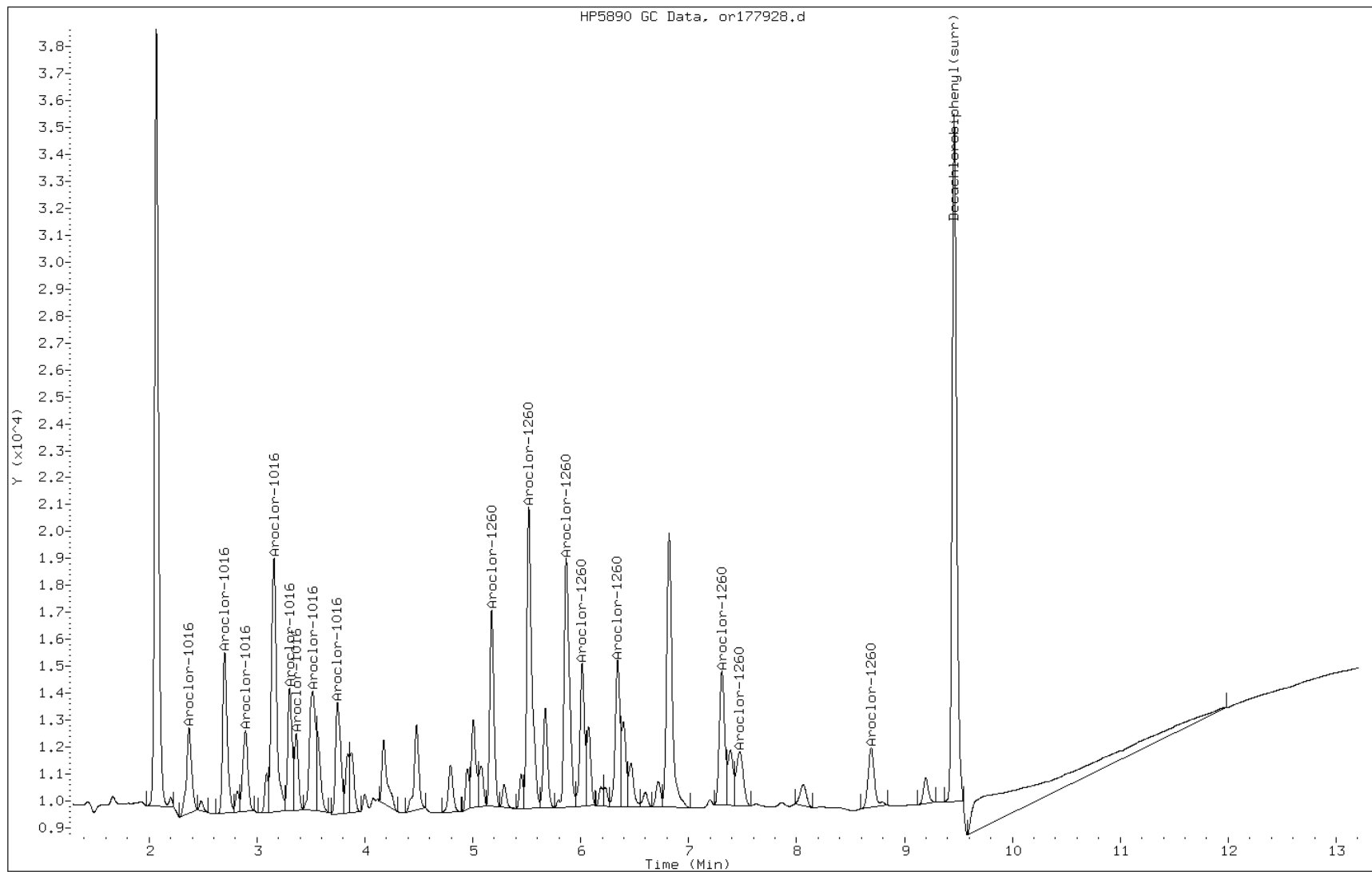
Date: 23-SEP-2011 09:19

Client ID:

Instrument: PESTGC7.i

Sample Info: IC-SG1660L1_00010

Operator: 615



Manual Integration Report

Data File: or177928.d
Inj. Date and Time: 23-SEP-2011 09:19
Instrument ID: PESTGC7.i
Client ID:
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 09/23/2011

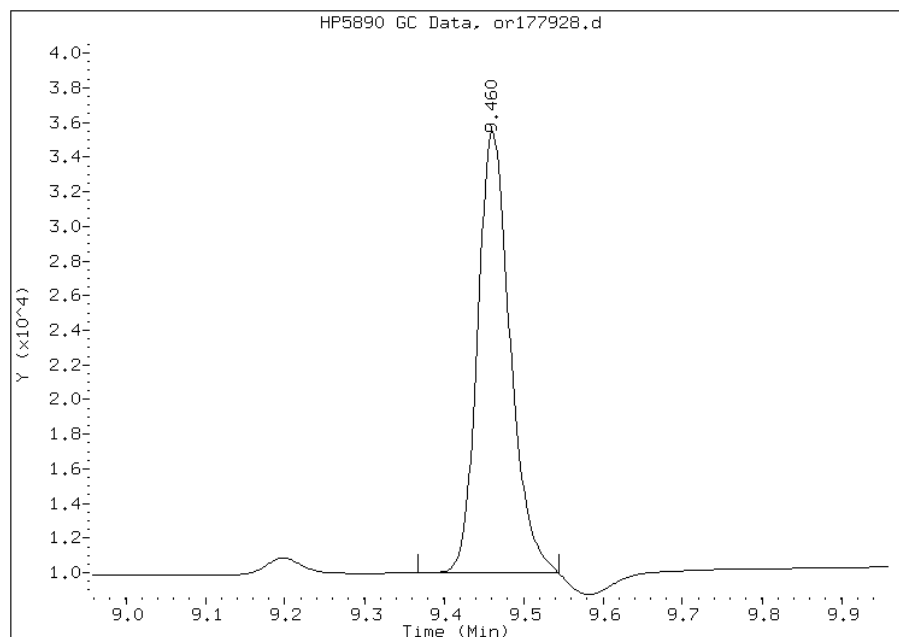
Processing Integration Results

Not Detected

Expected RT: 9.46

Manual Integration Results

RT: 9.46
Response: 72976
Amount: 24.12
Conc: 24.12



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/or177929.d
Lab Smp Id: IC-SG1660L2_00010
Inj Date : 23-SEP-2011 09:35
Operator : 615
Smp Info : IC-SG1660L2_00010
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/080r8082.m
Meth Date : 23-Sep-2011 14:05 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.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			
2.370	2.368	0.002	51860 500.000	550 80.00- 120.00	100.00(M)	
2.700	2.698	0.002	87963 500.000	560 131.55- 197.33	169.62	
2.893	2.893	0.000	60179 500.000	560 97.79- 146.69	116.04	
3.157	3.157	0.000	177610 500.000	550 290.47- 435.71	342.48	
3.302	3.302	0.000	70170 500.000	560 112.01- 168.02	135.31	
3.365	3.365	0.000	46491 500.000	550 82.69- 124.04	89.65	
3.517	3.517	0.000	83172 500.000	560 126.41- 189.61	160.38	
3.745	3.743	0.002	72766 500.000	550 115.65- 173.47	140.31	
Average of Peak Amounts =			556			
27 Aroclor-1260			CAS #: 11096-82-5			
5.173	5.172	0.001	98461 500.000	540 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)									
5.517	5.517	0.000	179645	500.000	540	143.37-	215.05	182.45	
5.863	5.863	0.000	170384	500.000	540	141.89-	212.84	173.05	
6.012	6.010	0.002	79158	500.000	530	65.38-	98.06	80.40	
6.342	6.340	0.002	87218	500.000	540	72.11-	108.16	88.58	
7.308	7.307	0.001	109067	500.000	550	92.82-	139.23	110.77	
7.473	7.472	0.001	52716	500.000	530	47.34-	71.01	53.54	
8.692	8.690	0.002	51056	500.000	530	44.51-	66.76	51.85	
Average of Peak Amounts =					537				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.460	9.458	0.002	169275	50.0000	56	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: or177929.d

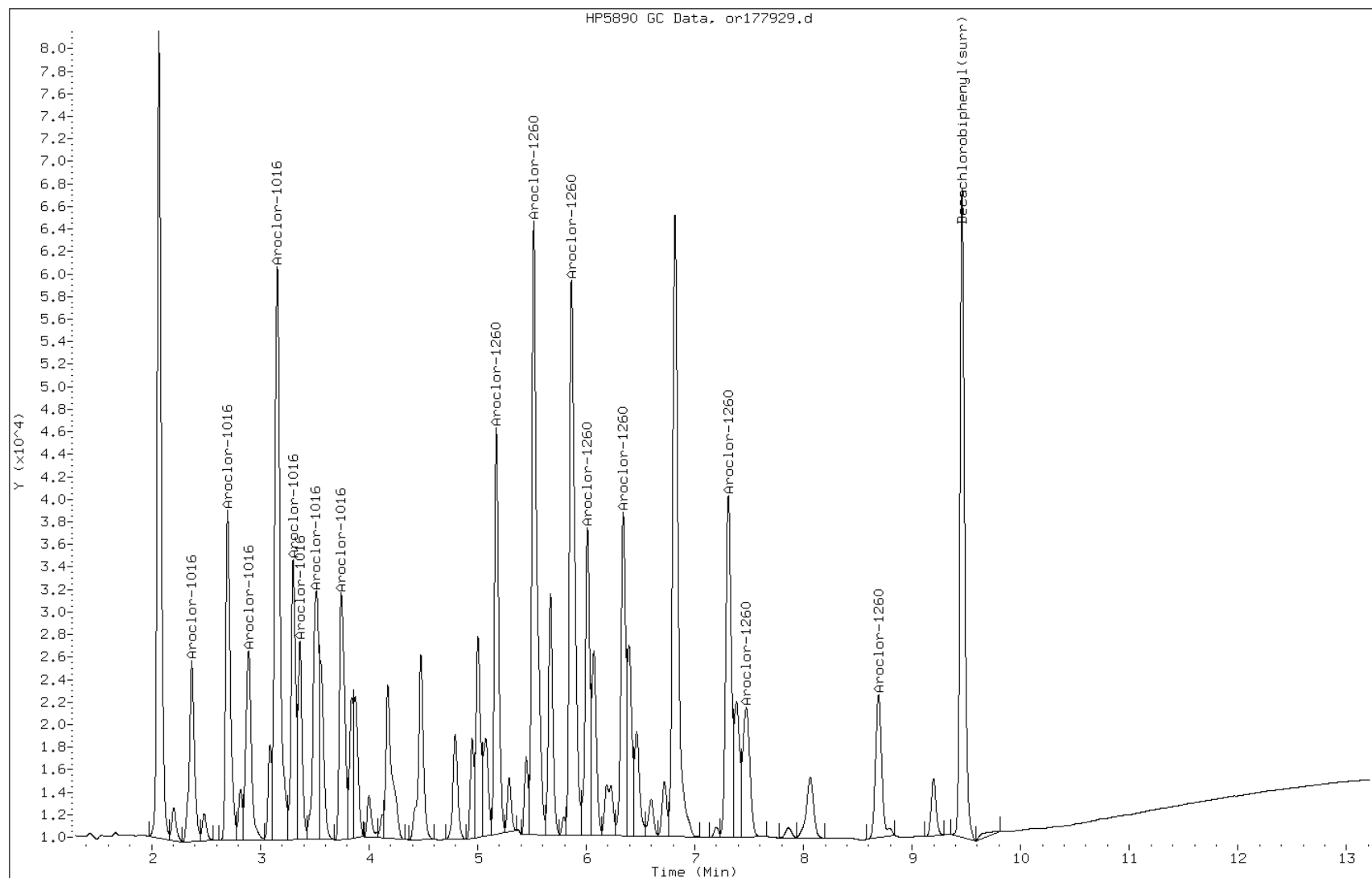
Date: 23-SEP-2011 09:35

Client ID:

Instrument: PESTGC7.i

Sample Info: IC-SG1660L2_00010

Operator: 615



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/or177930.d
Lab Smp Id: IC-SG1660L3_00013
Inj Date : 23-SEP-2011 09:52
Operator : 615
Smp Info : IC-SG1660L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/080r8082.m
Meth Date : 23-Sep-2011 14:05 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.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			
2.368	2.368	0.000	92567	1000.00	980	80.00-	120.00	100.00(M)
2.698	2.698	0.000	153714	1000.00	980	131.55-	197.33	166.06
2.893	2.893	0.000	109281	1000.00	1000	97.79-	146.69	118.06
3.157	3.157	0.000	323801	1000.00	1000	290.47-	435.71	349.80
3.302	3.302	0.000	125725	1000.00	1000	112.01-	168.02	135.82
3.365	3.365	0.000	89464	1000.00	1000	82.69-	124.04	96.65
3.517	3.517	0.000	144579	1000.00	970	126.41-	189.61	156.19
3.743	3.743	0.000	131695	1000.00	1000	115.65-	173.47	142.27
Average of Peak Amounts =					1e+03			

27 Aroclor-1260					CAS #: 11096-82-5			
5.172	5.172	0.000	191878	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)									
5.517	5.517	0.000	344828	1000.00	1000	143.37-	215.05	179.71	
5.863	5.863	0.000	332725	1000.00	1000	141.89-	212.84	173.40	
6.010	6.010	0.000	153871	1000.00	1000	65.38-	98.06	80.19	
6.340	6.340	0.000	169308	1000.00	1000	72.11-	108.16	88.24	
7.307	7.307	0.000	214369	1000.00	1100	92.82-	139.23	111.72	
7.472	7.472	0.000	106155	1000.00	1100	47.34-	71.01	55.32	
8.690	8.690	0.000	105999	1000.00	1100	44.51-	66.76	55.24	
Average of Peak Amounts =					1.06e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.458	9.458	0.000	312012	100.000	100	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: or177930.d

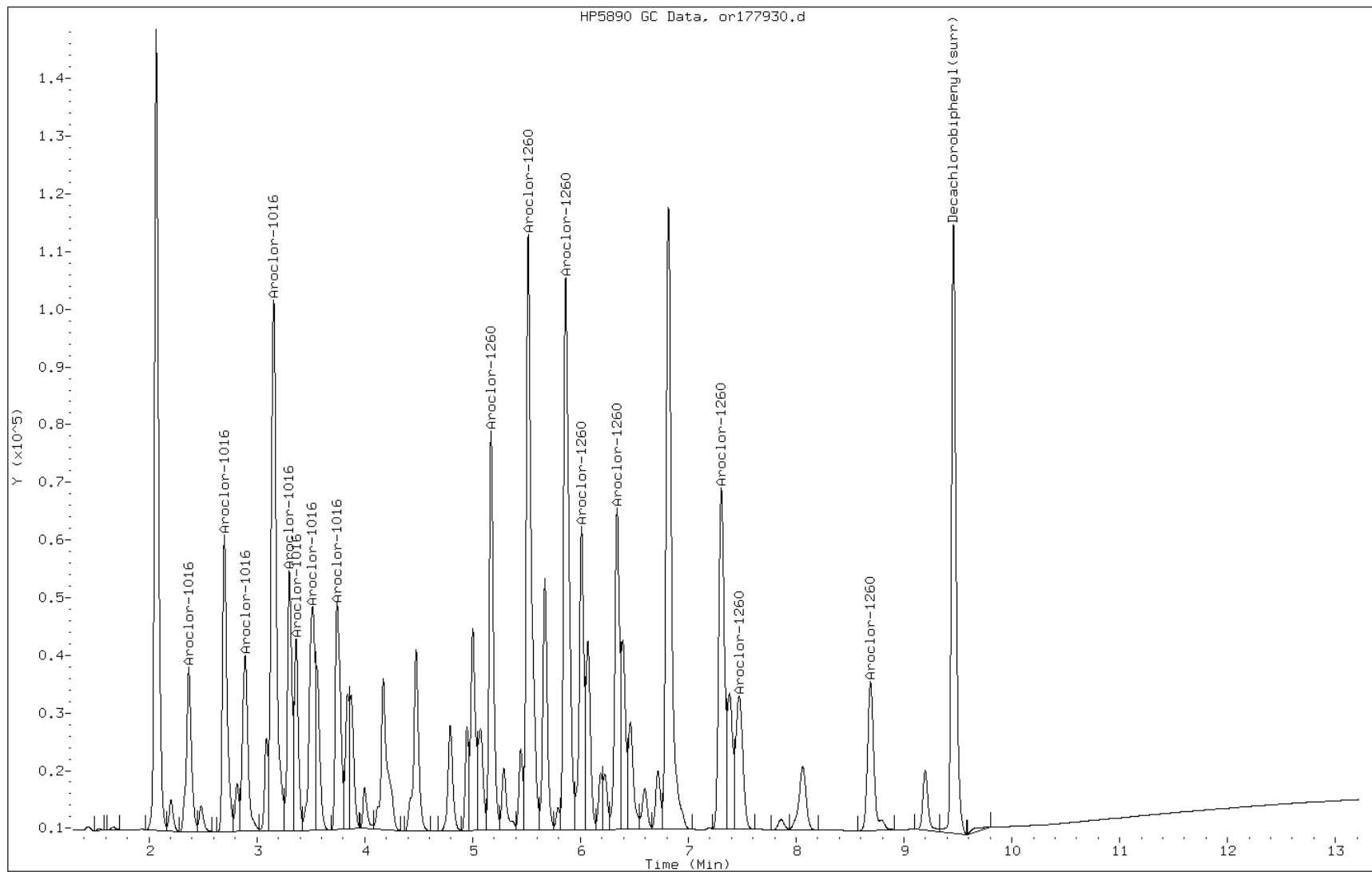
Date: 23-SEP-2011 09:52

Client ID:

Instrument: PESTGC7.i

Sample Info: IC-SG1660L3_00013

Operator: 615



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/or177931.d
Lab Smp Id: IC-SG1660L4_00010
Inj Date : 23-SEP-2011 10:08
Operator : 615
Smp Info : IC-SG1660L4_00010
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/080r8082.m
Meth Date : 23-Sep-2011 14:05 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.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			
2.370	2.368	0.002	132648 1500.00	1400	80.00- 120.00	100.00(M)
2.700	2.698	0.002	218255 1500.00	1400	131.55- 197.33	164.54
2.893	2.893	0.000	157885 1500.00	1500	97.79- 146.69	119.03
3.158	3.157	0.001	470016 1500.00	1500	290.47- 435.71	354.33
3.302	3.302	0.000	182818 1500.00	1400	112.01- 168.02	137.82
3.365	3.365	0.000	131180 1500.00	1500	82.69- 124.04	98.89
3.518	3.517	0.001	204398 1500.00	1400	126.41- 189.61	154.09
3.745	3.743	0.002	189075 1500.00	1400	115.65- 173.47	142.54
Average of Peak Amounts =			1.44e+03			
27 Aroclor-1260			CAS #: 11096-82-5			
5.173	5.172	0.001	251114 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)									
5.517	5.517	0.000	461787	1500.00	1400	143.37-	215.05	183.90	
5.863	5.863	0.000	450886	1500.00	1400	141.89-	212.84	179.55	
6.012	6.010	0.002	206097	1500.00	1400	65.38-	98.06	82.07	
6.340	6.340	0.000	228330	1500.00	1400	72.11-	108.16	90.93	
7.308	7.307	0.001	299225	1500.00	1500	92.82-	139.23	119.16	
7.472	7.472	0.000	149300	1500.00	1500	47.34-	71.01	59.46	
8.690	8.690	0.000	140730	1500.00	1400	44.51-	66.76	56.04	
Average of Peak Amounts =					1.43e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.460	9.458	0.002	437911	150.000	140	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/or177932.d
Lab Smp Id: IC-SG1660L5_00010
Inj Date : 23-SEP-2011 10:24
Operator : 615
Smp Info : IC-SG1660L5_00010
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/080r8082.m
Meth Date : 23-Sep-2011 14:05 shanthi Quant Type: ESTD
Cal Date : 23-SEP-2011 12:19 Cal File: or177939.d
Als bottle: 10 Calibration Sample, Level: 5
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				
2.368	2.368	0.000	203142	2500.00	2200	80.00-	120.00	100.00(M)	
2.698	2.698	0.000	334052	2500.00	2100	131.55-	197.33	164.44	
2.892	2.893	-0.001	248324	2500.00	2300	97.79-	146.69	122.24	
3.157	3.157	0.000	737585	2500.00	2300	290.47-	435.71	363.09	
3.300	3.302	-0.002	284430	2500.00	2200	112.01-	168.02	140.02	
3.365	3.365	0.000	209977	2500.00	2500	82.69-	124.04	103.36	
3.517	3.517	0.000	320986	2500.00	2200	126.41-	189.61	158.01	
3.743	3.743	0.000	293664	2500.00	2200	115.65-	173.47	144.56	
Average of Peak Amounts =					2.25e+03				

27 Aroclor-1260					CAS #: 11096-82-5				
5.172	5.172	0.000	406598	2500.00	2200	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)									
5.517	5.517	0.000	728663	2500.00	2200	143.37-	215.05	179.21	
5.863	5.863	0.000	721162	2500.00	2300	141.89-	212.84	177.36	
6.010	6.010	0.000	332269	2500.00	2200	65.38-	98.06	81.72	
6.340	6.340	0.000	366479	2500.00	2300	72.11-	108.16	90.13	
7.307	7.307	0.000	471757	2500.00	2400	92.82-	139.23	116.03	
7.470	7.472	-0.002	240592	2500.00	2400	47.34-	71.01	59.17	
8.690	8.690	0.000	226216	2500.00	2300	44.51-	66.76	55.64	
Average of Peak Amounts =					2.29e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.458	9.458	0.000	556177	200.000	180	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: or177932.d

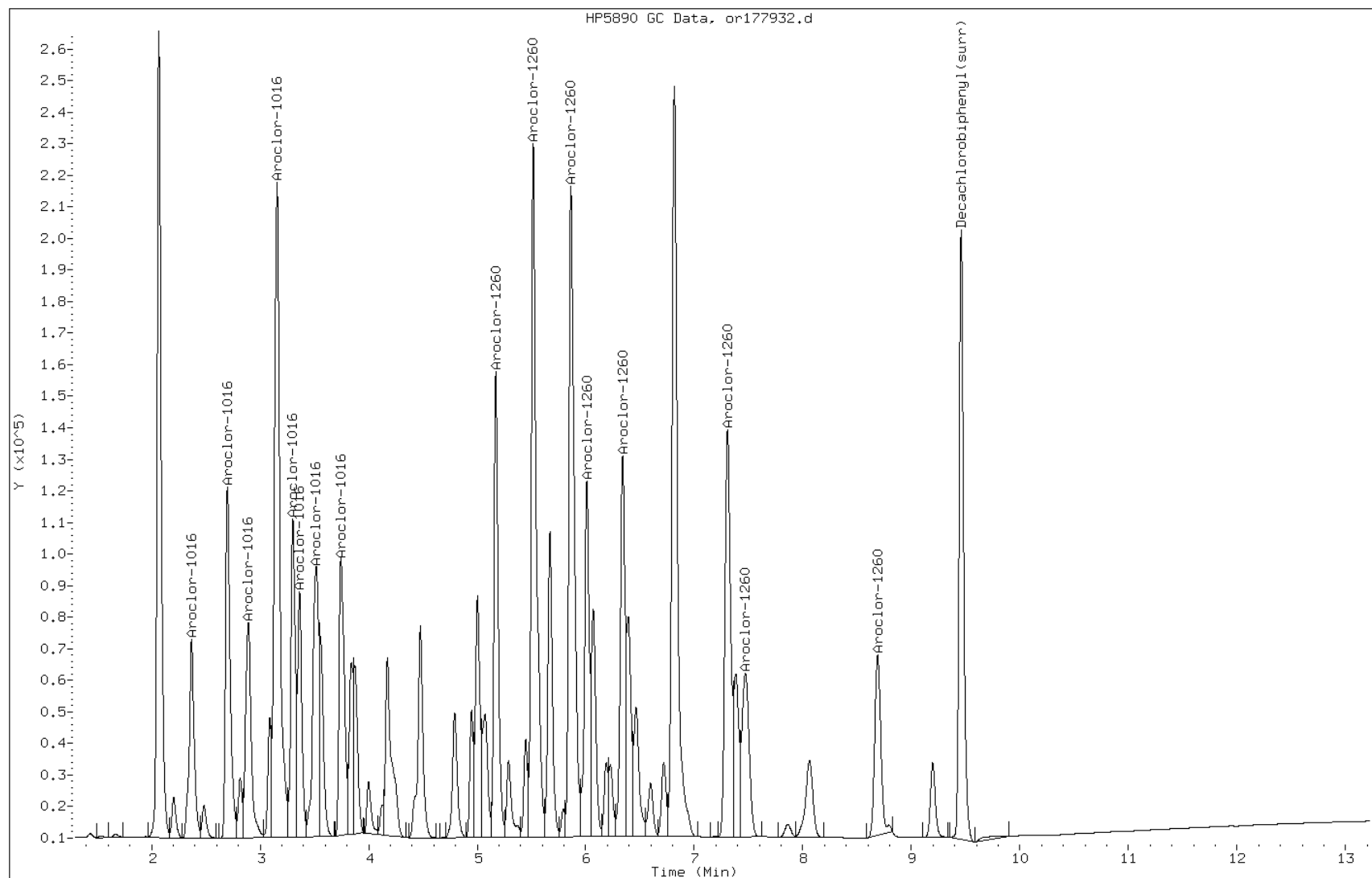
Date: 23-SEP-2011 10:24

Client ID:

Instrument: PESTGC7.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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 10:41 Calibration End Date: 09/23/2011 10:41 Calibration ID: 12350

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/11	of177933.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	2.015										1.945 - 2.085	2.015
PCB-1221 Peak 2	2.357										2.287 - 2.427	2.357
PCB-1221 Peak 3	2.753										2.683 - 2.823	2.753
PCB-1221 Peak 4	2.905										2.835 - 2.975	2.905
PCB-1221 Peak 5	2.973										2.903 - 3.043	2.973
PCB-1221 Peak 6	3.427										3.357 - 3.497	3.427
PCB-1221 Peak 7	3.498										3.428 - 3.568	3.498
PCB-1221 Peak 8	3.973										3.903 - 4.043	3.973

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 10:41 Calibration End Date: 09/23/2011 10:41 Calibration ID: 12350

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/11	of177933.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	59.092				Ave		59.0920000						20.0			
PCB-1221 Peak 2	17.686				Ave		17.6860000						20.0			
PCB-1221 Peak 3	75.611				Ave		75.6110000						20.0			
PCB-1221 Peak 4	46.115				Ave		46.1150000						20.0			
PCB-1221 Peak 5	185.22				Ave		185.224000						20.0			
PCB-1221 Peak 6	32.988				Ave		32.9880000						20.0			
PCB-1221 Peak 7	38.137				Ave		38.1370000						20.0			
PCB-1221 Peak 8	32.450				Ave		32.4500000						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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 10:41 Calibration End Date: 09/23/2011 10:41 Calibration ID: 12350

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/11	of177933.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	59092					1000				
PCB-1221 Peak 2	Ave	17686					1000				
PCB-1221 Peak 3	Ave	75611					1000				
PCB-1221 Peak 4	Ave	46115					1000				
PCB-1221 Peak 5	Ave	185224					1000				
PCB-1221 Peak 6	Ave	32988					1000				
PCB-1221 Peak 7	Ave	38137					1000				
PCB-1221 Peak 8	Ave	32450					1000				

Curve Type Legend:

Ave = Average

Data File: of177933.d
Report Date: 23-Sep-2011 14:06

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/of177933.d
Lab Smp Id: IC-SG1221L3_00012
Inj Date : 23-SEP-2011 10:41
Operator : 615
Smp Info : IC-SG1221L3_00012
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/080f8082.m
Meth Date : 23-Sep-2011 14:06 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: of177939.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			
2.015	2.015	0.000	59092	1000.00	1000	80.00-	120.00	100.00(M)
2.357	2.357	0.000	17686	1000.00	1000	23.94-	35.92	29.93
2.753	2.753	0.000	75611	1000.00	1000	102.36-	153.55	127.95
2.905	2.905	0.000	46115	1000.00	1000	62.43-	93.65	78.04
2.973	2.973	0.000	185224	1000.00	1000	250.76-	376.14	313.45
3.427	3.427	0.000	32988	1000.00	1000	44.66-	66.99	55.82
3.498	3.498	0.000	38137	1000.00	1000	51.63-	77.45	64.54
3.973	3.973	0.000	32450	1000.00	1000	43.93-	65.90	54.91
Average of Peak Amounts =					1e+03			

Data File: of177933.d
Report Date: 23-Sep-2011 14:06

QC Flag Legend

M - Compound response manually integrated.

Data File: of177933.d

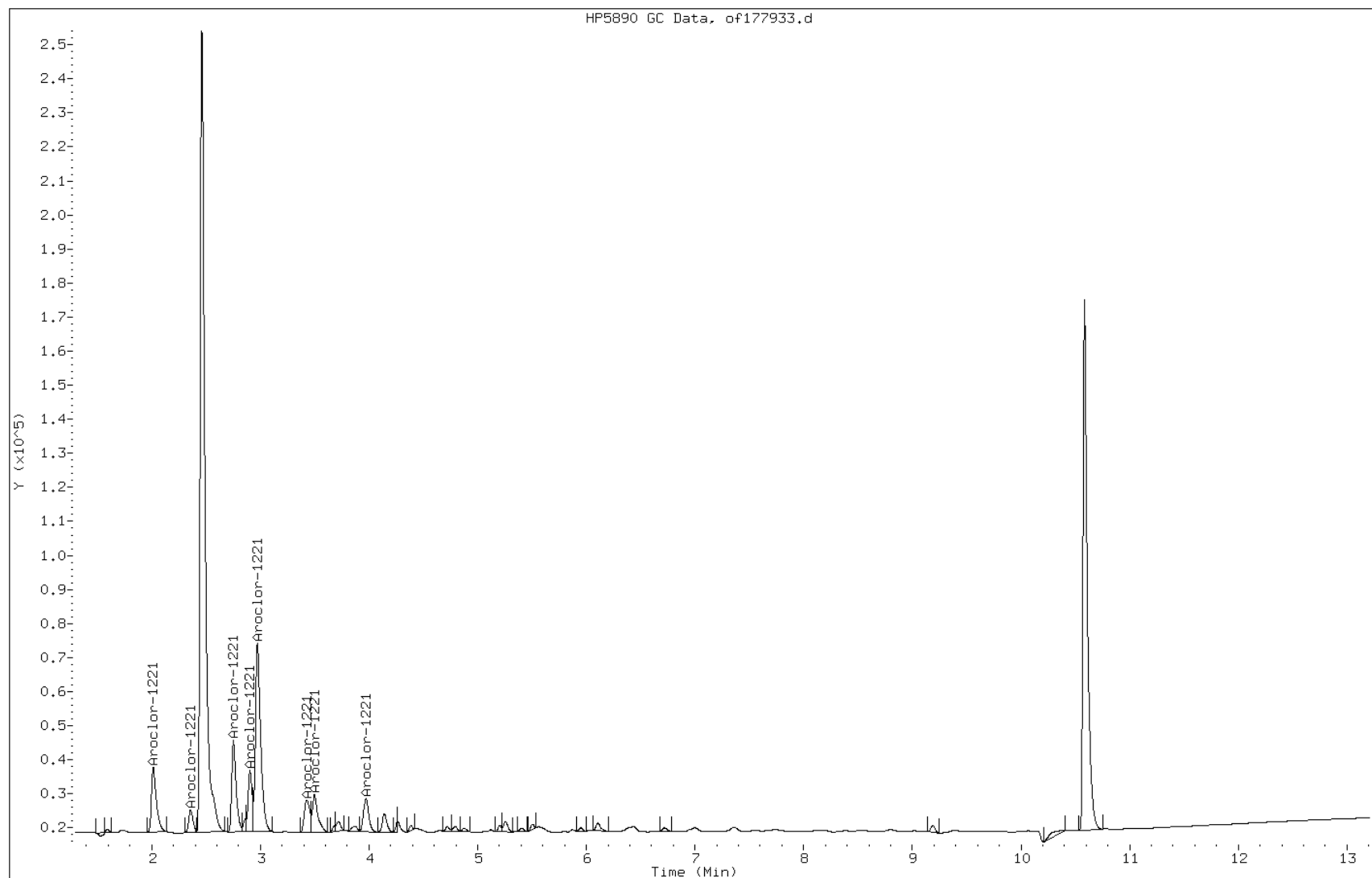
Date: 23-SEP-2011 10:41

Client ID:

Instrument: PESTGC7.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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 10:41 Calibration End Date: 09/23/2011 10:41 Calibration ID: 12357

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/11	or177933.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.668										1.598 - 1.738	1.668
PCB-1221 Peak 2	1.952										1.882 - 2.022	1.952
PCB-1221 Peak 3	2.203										2.133 - 2.273	2.203
PCB-1221 Peak 4	2.367										2.297 - 2.437	2.367
PCB-1221 Peak 5	2.702										2.632 - 2.772	2.702
PCB-1221 Peak 6	2.820										2.750 - 2.890	2.820
PCB-1221 Peak 7	3.158										3.088 - 3.228	3.158
PCB-1221 Peak 8	3.302										3.232 - 3.372	3.302

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 10:41 Calibration End Date: 09/23/2011 10:41 Calibration ID: 12357

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/11	or177933.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	39.637				Ave		39.6370000						20.0			
PCB-1221 Peak 2	13.691				Ave		13.6910000						20.0			
PCB-1221 Peak 3	46.195				Ave		46.1950000						20.0			
PCB-1221 Peak 4	142.58				Ave		142.583000						20.0			
PCB-1221 Peak 5	12.391				Ave		12.3910000						20.0			
PCB-1221 Peak 6	21.056				Ave		21.0560000						20.0			
PCB-1221 Peak 7	19.744				Ave		19.7440000						20.0			
PCB-1221 Peak 8	8.8400				Ave		8.84000000						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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 10:41 Calibration End Date: 09/23/2011 10:41 Calibration ID: 12357

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/11	or177933.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	39637					1000				
PCB-1221 Peak 2	Ave	13691					1000				
PCB-1221 Peak 3	Ave	46195					1000				
PCB-1221 Peak 4	Ave	142583					1000				
PCB-1221 Peak 5	Ave	12391					1000				
PCB-1221 Peak 6	Ave	21056					1000				
PCB-1221 Peak 7	Ave	19744					1000				
PCB-1221 Peak 8	Ave	8840					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/or177933.d
Lab Smp Id: IC-SG1221L3_00012
Inj Date : 23-SEP-2011 10:41
Operator : 615
Smp Info : IC-SG1221L3_00012
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/080r8082.m
Meth Date : 23-Sep-2011 14:05 shanthi Quant Type: ESTD
Cal Date : 23-SEP-2011 12:19 Cal File: or177939.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							
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET	RANGE		RATIO	
==	=====	=====	=====	=====	=====	=====		=====	
22 Aroclor-1221			CAS #: 11104-28-2						
1.668	1.668	0.000	39637 1000.00	1000	80.00-	120.00		100.00(M)	
1.952	1.952	0.000	13691 1000.00	1000	27.63-	41.45		34.54	
2.203	2.203	0.000	46195 1000.00	1000	93.24-	139.85		116.55	
2.367	2.367	0.000	142583 1000.00	1000	287.78-	431.67		359.72	
2.702	2.702	0.000	12391 1000.00	1000	25.01-	37.51		31.26	
2.820	2.820	0.000	21056 1000.00	1000	42.50-	63.75		53.12	
3.158	3.158	0.000	19744 1000.00	1000	39.85-	59.77		49.81	
3.302	3.302	0.000	8840 1000.00	1000	17.84-	26.76		22.30	
Average of Peak Amounts =			1e+03						

Data File: or177933.d
Report Date: 23-Sep-2011 14:06

Page 2

QC Flag Legend

M - Compound response manually integrated.

Data File: or177933.d

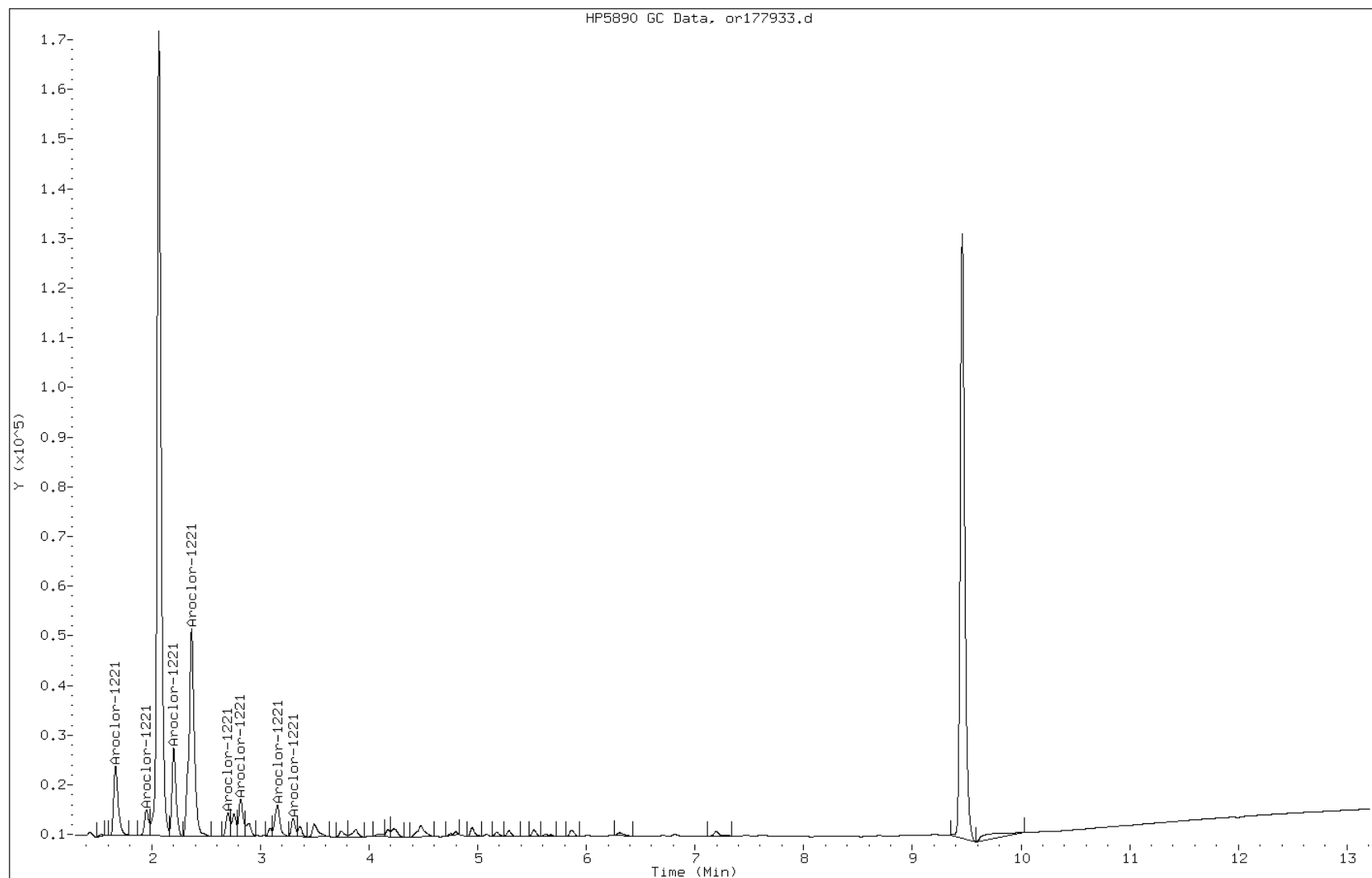
Date: 23-SEP-2011 10:41

Client ID:

Instrument: PESTGC7.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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 10:57 Calibration End Date: 09/23/2011 10:57 Calibration ID: 12351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/12	of177934.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.973										2.903 - 3.043	2.973
PCB-1232 Peak 2	3.437										3.367 - 3.507	3.437
PCB-1232 Peak 3	3.718										3.648 - 3.788	3.718
PCB-1232 Peak 4	4.140										4.070 - 4.210	4.140
PCB-1232 Peak 5	4.265										4.195 - 4.335	4.265
PCB-1232 Peak 6	4.438										4.368 - 4.508	4.438
PCB-1232 Peak 7	4.720										4.650 - 4.790	4.720
PCB-1232 Peak 8	4.877										4.807 - 4.947	4.877

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 10:57 Calibration End Date: 09/23/2011 10:57 Calibration ID: 12351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/12	of177934.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	128.42				Ave		128.423000						20.0			
PCB-1232 Peak 2	142.10				Ave		142.101000						20.0			
PCB-1232 Peak 3	58.025				Ave		58.0250000						20.0			
PCB-1232 Peak 4	97.615				Ave		97.6150000						20.0			
PCB-1232 Peak 5	71.771				Ave		71.7710000						20.0			
PCB-1232 Peak 6	64.825				Ave		64.8250000						20.0			
PCB-1232 Peak 7	74.524				Ave		74.5240000						20.0			
PCB-1232 Peak 8	78.256				Ave		78.2560000						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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 10:57 Calibration End Date: 09/23/2011 10:57 Calibration ID: 12351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/12	of177934.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	128423					1000				
PCB-1232 Peak 2	Ave	142101					1000				
PCB-1232 Peak 3	Ave	58025					1000				
PCB-1232 Peak 4	Ave	97615					1000				
PCB-1232 Peak 5	Ave	71771					1000				
PCB-1232 Peak 6	Ave	64825					1000				
PCB-1232 Peak 7	Ave	74524					1000				
PCB-1232 Peak 8	Ave	78256					1000				

Curve Type Legend:

Ave = Average

Data File: of177934.d
Report Date: 23-Sep-2011 14:06

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/of177934.d
Lab Smp Id: IC-SG1232L3_00011
Inj Date : 23-SEP-2011 10:57
Operator : 615
Smp Info : IC-SG1232L3_00011
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/080f8082.m
Meth Date : 23-Sep-2011 14:06 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: of177939.d
Calibration Sample, Level: 3
Compound Sublist: AR12320.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	
==	=====	=====	=====	=====	=====		=====	
23 Aroclor-1232			CAS #: 11141-16-5					
2.973	2.973	0.000	128423 1000.00	1000	80.00- 120.00		100.00(M)	
3.437	3.437	0.000	142101 1000.00	1000	88.52- 132.78		110.65	
3.718	3.718	0.000	58025 1000.00	1000	36.15- 54.22		45.18	
4.140	4.140	0.000	97615 1000.00	1000	60.81- 91.21		76.01	
4.265	4.265	0.000	71771 1000.00	1000	44.71- 67.06		55.89	
4.438	4.438	0.000	64825 1000.00	1000	40.38- 60.57		50.48	
4.720	4.720	0.000	74524 1000.00	1000	46.42- 69.64		58.03	
4.877	4.877	0.000	78256 1000.00	1000	48.75- 73.12		60.94	
Average of Peak Amounts =			1e+03					

Data File: of177934.d
Report Date: 23-Sep-2011 14:06

QC Flag Legend

M - Compound response manually integrated.

Data File: of177934.d

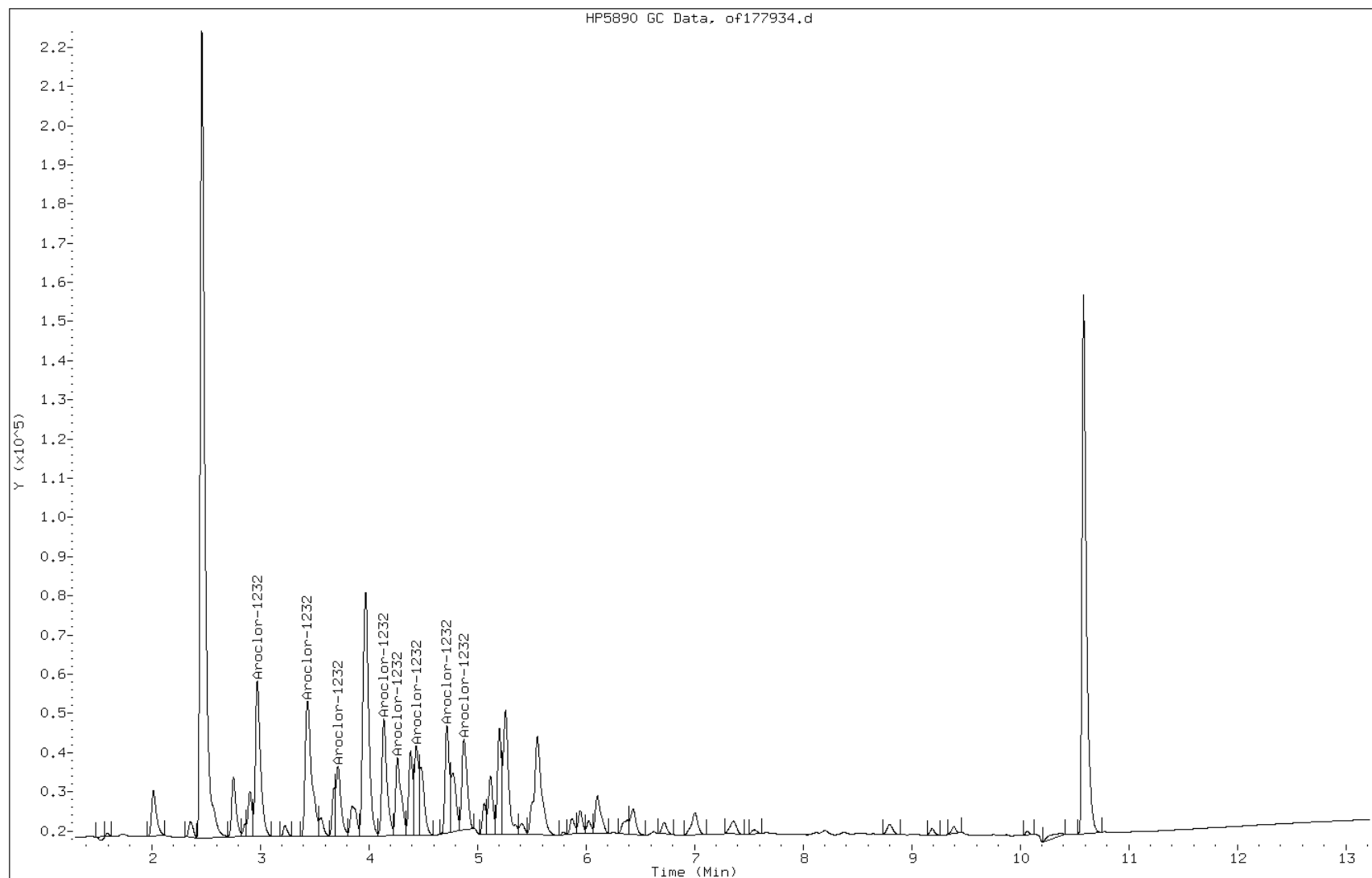
Date: 23-SEP-2011 10:57

Client ID:

Instrument: PESTGC7.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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 10:57 Calibration End Date: 09/23/2011 10:57 Calibration ID: 12358

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/12	or177934.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.368										2.298 - 2.438	2.368
PCB-1232 Peak 2	2.698										2.628 - 2.768	2.698
PCB-1232 Peak 3	2.893										2.823 - 2.963	2.893
PCB-1232 Peak 4	3.157										3.087 - 3.227	3.157
PCB-1232 Peak 5	3.302										3.232 - 3.372	3.302
PCB-1232 Peak 6	3.365										3.295 - 3.435	3.365
PCB-1232 Peak 7	3.745										3.675 - 3.815	3.745
PCB-1232 Peak 8	4.122										4.052 - 4.192	4.122

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 10:57 Calibration End Date: 09/23/2011 10:57 Calibration ID: 12358

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/12	or177934.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	98.356				Ave		98.3560000						20.0			
PCB-1232 Peak 2	77.676				Ave		77.6760000						20.0			
PCB-1232 Peak 3	50.764				Ave		50.7640000						20.0			
PCB-1232 Peak 4	146.60				Ave		146.599000						20.0			
PCB-1232 Peak 5	58.259				Ave		58.2590000						20.0			
PCB-1232 Peak 6	37.752				Ave		37.7520000						20.0			
PCB-1232 Peak 7	67.316				Ave		67.3160000						20.0			
PCB-1232 Peak 8	28.819				Ave		28.8190000						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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 10:57 Calibration End Date: 09/23/2011 10:57 Calibration ID: 12358

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/12	or177934.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	98356					1000				
PCB-1232 Peak 2	Ave	77676					1000				
PCB-1232 Peak 3	Ave	50764					1000				
PCB-1232 Peak 4	Ave	146599					1000				
PCB-1232 Peak 5	Ave	58259					1000				
PCB-1232 Peak 6	Ave	37752					1000				
PCB-1232 Peak 7	Ave	67316					1000				
PCB-1232 Peak 8	Ave	28819					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/or177934.d
Lab Smp Id: IC-SG1232L3_00011
Inj Date : 23-SEP-2011 10:57
Operator : 615
Smp Info : IC-SG1232L3_00011
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/080r8082.m
Meth Date : 23-Sep-2011 14:05 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.d
Calibration Sample, Level: 3
Compound Sublist: AR12320.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)			
==	=====	=====	=====	=====	=====	=====	=====	=====
23 Aroclor-1232			CAS #: 11141-16-5					
2.368	2.368	0.000	98356	1000.00	1000	80.00- 120.00	100.00(M)	
2.698	2.698	0.000	77676	1000.00	1000	63.18- 94.77	78.97	
2.893	2.893	0.000	50764	1000.00	1000	41.29- 61.94	51.61	
3.157	3.157	0.000	146599	1000.00	1000	119.24- 178.86	149.05	
3.302	3.302	0.000	58259	1000.00	1000	47.39- 71.08	59.23	
3.365	3.365	0.000	37752	1000.00	1000	30.71- 46.06	38.38	
3.745	3.745	0.000	67316	1000.00	1000	54.75- 82.13	68.44	
4.122	4.122	0.000	28819	1000.00	1000	23.44- 35.16	29.30	
Average of Peak Amounts =			1e+03					

Data File: or177934.d
Report Date: 23-Sep-2011 14:06

Page 2

QC Flag Legend

M - Compound response manually integrated.

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:13 Calibration End Date: 09/23/2011 11:13 Calibration ID: 12352

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/13	of177935.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.972										2.902 - 3.042	2.972
PCB-1242 Peak 2	3.435										3.365 - 3.505	3.435
PCB-1242 Peak 3	3.715										3.645 - 3.785	3.715
PCB-1242 Peak 4	3.970										3.900 - 4.040	3.970
PCB-1242 Peak 5	4.137										4.067 - 4.207	4.137
PCB-1242 Peak 6	4.437										4.367 - 4.507	4.437
PCB-1242 Peak 7	4.875										4.805 - 4.945	4.875
PCB-1242 Peak 8	5.258										5.188 - 5.328	5.258

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:13 Calibration End Date: 09/23/2011 11:13 Calibration ID: 12352

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/13	of177935.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	115.19				Ave		115.192000						20.0			
PCB-1242 Peak 2	235.81				Ave		235.811000						20.0			
PCB-1242 Peak 3	112.05				Ave		112.052000						20.0			
PCB-1242 Peak 4	438.14				Ave		438.135000						20.0			
PCB-1242 Peak 5	185.45				Ave		185.449000						20.0			
PCB-1242 Peak 6	114.27				Ave		114.266000						20.0			
PCB-1242 Peak 7	162.76				Ave		162.761000						20.0			
PCB-1242 Peak 8	197.44				Ave		197.444000						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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:13 Calibration End Date: 09/23/2011 11:13 Calibration ID: 12352

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/13	of177935.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	115192					1000				
PCB-1242 Peak 2	Ave	235811					1000				
PCB-1242 Peak 3	Ave	112052					1000				
PCB-1242 Peak 4	Ave	438135					1000				
PCB-1242 Peak 5	Ave	185449					1000				
PCB-1242 Peak 6	Ave	114266					1000				
PCB-1242 Peak 7	Ave	162761					1000				
PCB-1242 Peak 8	Ave	197444					1000				

Curve Type Legend:

Ave = Average

Data File: of177935.d
 Report Date: 23-Sep-2011 14:06

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/of177935.d
 Lab Smp Id: IC-SG1242L3_00011
 Inj Date : 23-SEP-2011 11:13
 Operator : 615
 Smp Info : IC-SG1242L3_00011
 Misc Info :
 Comment :
 Method : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/080f8082.m
 Meth Date : 23-Sep-2011 14:06 shanthi
 Cal Date : 23-SEP-2011 12:19
 Als bottle: 13
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3

Inst ID: PESTGC7.i
 Quant Type: ESTD
 Cal File: of177939.d
 Calibration Sample, Level: 3
 Compound Sublist: AR12420.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

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				
2.972	2.972	0.000	115192	1000.00	1000	80.00-	120.00	100.00(M)	
3.435	3.435	0.000	235811	1000.00	1000	163.77-	245.65	204.71	
3.715	3.715	0.000	112052	1000.00	1000	77.82-	116.73	97.27	
3.970	3.970	0.000	438135	1000.00	1000	304.28-	456.42	380.35	
4.137	4.137	0.000	185449	1000.00	1000	128.79-	193.19	160.99	
4.437	4.437	0.000	114266	1000.00	1000	79.36-	119.04	99.20	
4.875	4.875	0.000	162761	1000.00	1000	113.04-	169.55	141.30	
5.258	5.258	0.000	197444	1000.00	1000	137.12-	205.69	171.40	
Average of Peak Amounts =					1e+03				

Data File: of177935.d
Report Date: 23-Sep-2011 14:06

QC Flag Legend

M - Compound response manually integrated.

Data File: of177935.d

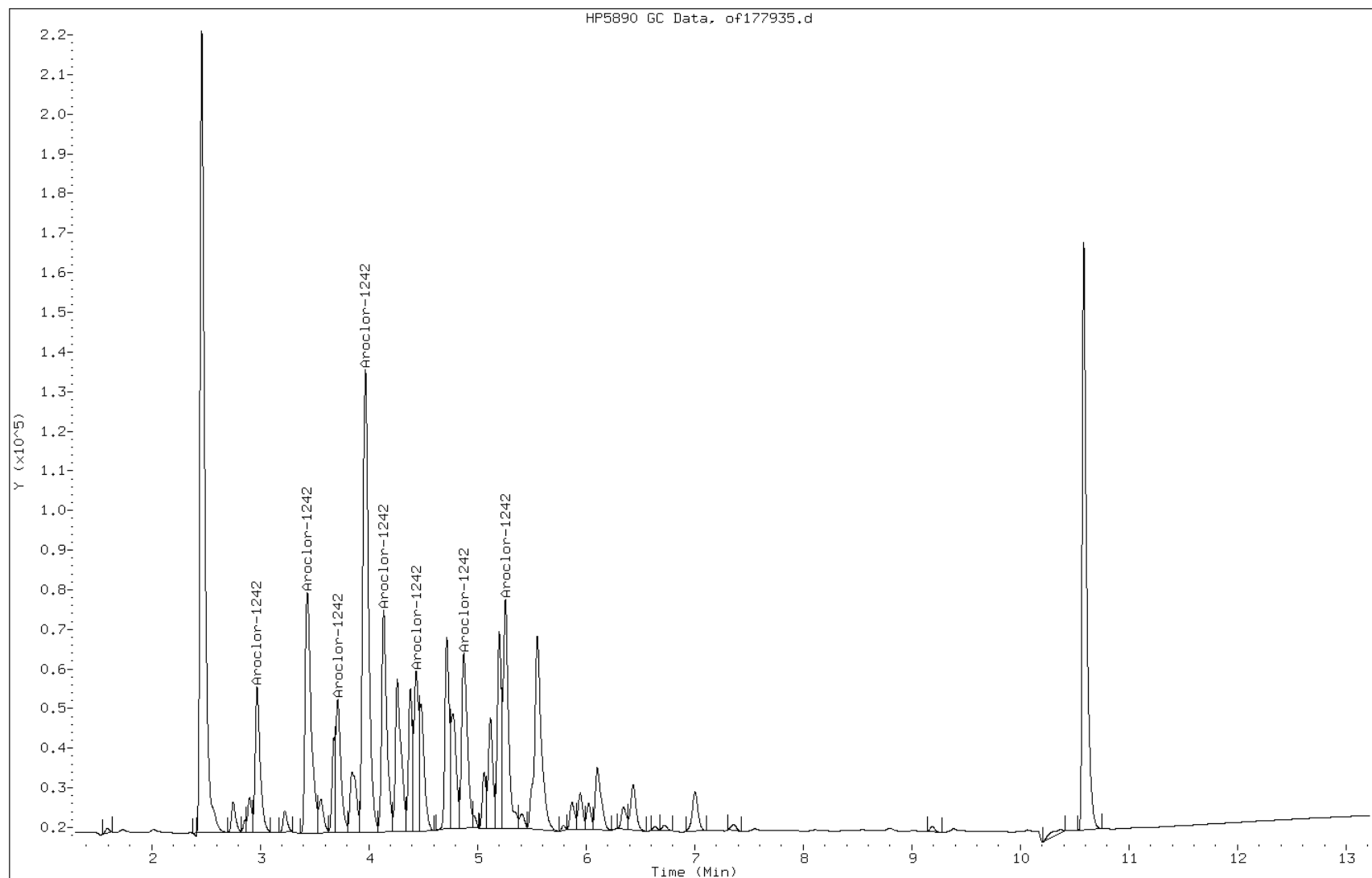
Date: 23-SEP-2011 11:13

Client ID:

Instrument: PESTGC7.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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:13 Calibration End Date: 09/23/2011 11:13 Calibration ID: 12359

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/13	or177935.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.370										2.300 - 2.440	2.370
PCB-1242 Peak 2	2.700										2.630 - 2.770	2.700
PCB-1242 Peak 3	2.893										2.823 - 2.963	2.893
PCB-1242 Peak 4	3.158										3.088 - 3.228	3.158
PCB-1242 Peak 5	3.302										3.232 - 3.372	3.302
PCB-1242 Peak 6	3.518										3.448 - 3.588	3.518
PCB-1242 Peak 7	3.745										3.675 - 3.815	3.745
PCB-1242 Peak 8	4.478										4.408 - 4.548	4.478

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:13 Calibration End Date: 09/23/2011 11:13 Calibration ID: 12359

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/13	or177935.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	87.425				Ave		87.4250000						20.0			
PCB-1242 Peak 2	133.40				Ave		133.3990000						20.0			
PCB-1242 Peak 3	95.463				Ave		95.4630000						20.0			
PCB-1242 Peak 4	280.86				Ave		280.8630000						20.0			
PCB-1242 Peak 5	109.82				Ave		109.8180000						20.0			
PCB-1242 Peak 6	124.57				Ave		124.5670000						20.0			
PCB-1242 Peak 7	119.40				Ave		119.3990000						20.0			
PCB-1242 Peak 8	96.807				Ave		96.8070000						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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:13 Calibration End Date: 09/23/2011 11:13 Calibration ID: 12359

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/13	or177935.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	87425					1000				
PCB-1242 Peak 2	Ave	133399					1000				
PCB-1242 Peak 3	Ave	95463					1000				
PCB-1242 Peak 4	Ave	280863					1000				
PCB-1242 Peak 5	Ave	109818					1000				
PCB-1242 Peak 6	Ave	124567					1000				
PCB-1242 Peak 7	Ave	119399					1000				
PCB-1242 Peak 8	Ave	96807					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/or177935.d
Lab Smp Id: IC-SG1242L3_00011
Inj Date : 23-SEP-2011 11:13
Operator : 615
Smp Info : IC-SG1242L3_00011
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/080r8082.m
Meth Date : 23-Sep-2011 14:05 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.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						
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
24 Aroclor-1242			CAS #: 53469-21-9			
2.370	2.370	0.000	87425 1000.00	1000	80.00- 120.00	100.00(M)
2.700	2.700	0.000	133399 1000.00	1000	122.07- 183.10	152.59
2.893	2.893	0.000	95463 1000.00	1000	87.36- 131.03	109.19
3.158	3.158	0.000	280863 1000.00	1000	257.01- 385.51	321.26
3.302	3.302	0.000	109818 1000.00	1000	100.49- 150.74	125.61
3.518	3.518	0.000	124567 1000.00	1000	113.99- 170.98	142.48
3.745	3.745	0.000	119399 1000.00	1000	109.26- 163.89	136.57
4.478	4.478	0.000	96807 1000.00	1000	88.59- 132.88	110.73
Average of Peak Amounts =			1e+03			

Data File: or177935.d
Report Date: 23-Sep-2011 14:06

Page 2

QC Flag Legend

M - Compound response manually integrated.

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:30 Calibration End Date: 09/23/2011 11:30 Calibration ID: 12353

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/14	of177936.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.435										3.365 - 3.505	3.435
PCB-1248 Peak 2	3.972										3.902 - 4.042	3.972
PCB-1248 Peak 3	4.138										4.068 - 4.208	4.138
PCB-1248 Peak 4	4.438										4.368 - 4.508	4.438
PCB-1248 Peak 5	4.720										4.650 - 4.790	4.720
PCB-1248 Peak 6	4.877										4.807 - 4.947	4.877
PCB-1248 Peak 7	5.122										5.052 - 5.192	5.122
PCB-1248 Peak 8	5.260										5.190 - 5.330	5.260

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:30 Calibration End Date: 09/23/2011 11:30 Calibration ID: 12353

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/14	of177936.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	114.38				Ave		114.375000						20.0			
PCB-1248 Peak 2	277.41				Ave		277.407000						20.0			
PCB-1248 Peak 3	109.38				Ave		109.376000						20.0			
PCB-1248 Peak 4	168.01				Ave		168.013000						20.0			
PCB-1248 Peak 5	205.89				Ave		205.892000						20.0			
PCB-1248 Peak 6	256.59				Ave		256.592000						20.0			
PCB-1248 Peak 7	138.26				Ave		138.262000						20.0			
PCB-1248 Peak 8	326.24				Ave		326.237000						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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:30 Calibration End Date: 09/23/2011 11:30 Calibration ID: 12353

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/14	of177936.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	114375					1000				
PCB-1248 Peak 2	Ave	277407					1000				
PCB-1248 Peak 3	Ave	109376					1000				
PCB-1248 Peak 4	Ave	168013					1000				
PCB-1248 Peak 5	Ave	205892					1000				
PCB-1248 Peak 6	Ave	256592					1000				
PCB-1248 Peak 7	Ave	138262					1000				
PCB-1248 Peak 8	Ave	326237					1000				

Curve Type Legend:

Ave = Average

Data File: of177936.d
 Report Date: 23-Sep-2011 14:06

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/of177936.d
 Lab Smp Id: IC-SG1248L3_00011
 Inj Date : 23-SEP-2011 11:30
 Operator : 615
 Smp Info : IC-SG1248L3_00011
 Misc Info :
 Comment :
 Method : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/080f8082.m
 Meth Date : 23-Sep-2011 14:06 shanthi
 Cal Date : 23-SEP-2011 12:19
 Als bottle: 14
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3

Inst ID: PESTGC7.i
 Quant Type: ESTD
 Cal File: of177939.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			
3.435	3.435	0.000	114375 1000.00	1000 80.00- 120.00	100.00(M)	
3.972	3.972	0.000	277407 1000.00	1000 194.03- 291.05	242.54	
4.138	4.138	0.000	109376 1000.00	1000 76.50- 114.76	95.63	
4.438	4.438	0.000	168013 1000.00	1000 117.52- 176.28	146.90	
4.720	4.720	0.000	205892 1000.00	1000 144.01- 216.02	180.01	
4.877	4.877	0.000	256592 1000.00	1000 179.47- 269.21	224.34	
5.122	5.122	0.000	138262 1000.00	1000 96.71- 145.06	120.88	
5.260	5.260	0.000	326237 1000.00	1000 228.19- 342.28	285.23	
Average of Peak Amounts =			1e+03			

Data File: of177936.d
Report Date: 23-Sep-2011 14:06

QC Flag Legend

M - Compound response manually integrated.

Data File: of177936.d

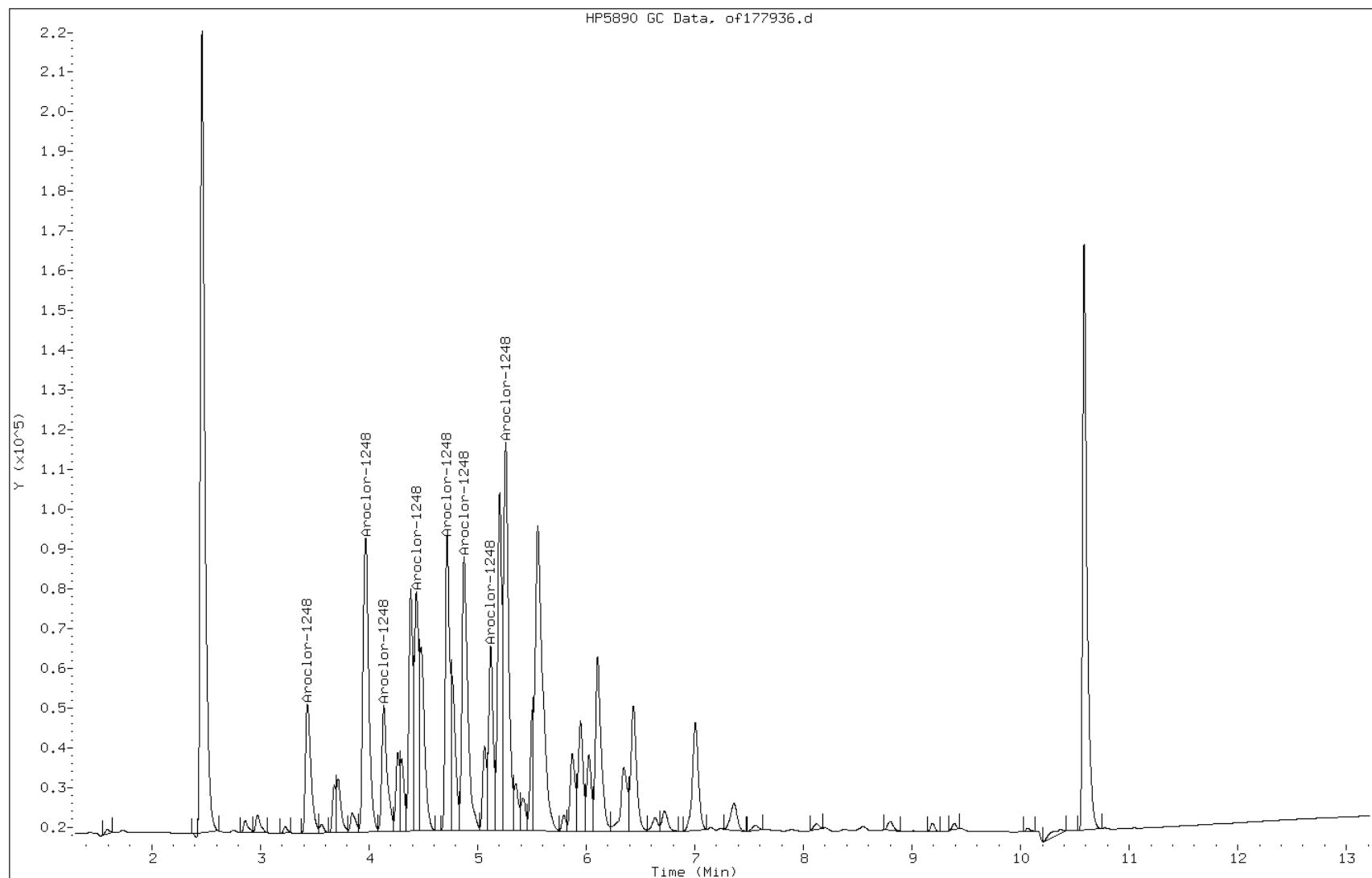
Date: 23-SEP-2011 11:30

Client ID:

Instrument: PESTGC7.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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:30 Calibration End Date: 09/23/2011 11:30 Calibration ID: 12360

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/14	or177936.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	2.698										2.628 - 2.768	2.698
PCB-1248 Peak 2	3.155										3.085 - 3.225	3.155
PCB-1248 Peak 3	3.307										3.237 - 3.377	3.307
PCB-1248 Peak 4	3.513										3.443 - 3.583	3.513
PCB-1248 Peak 5	3.743										3.673 - 3.813	3.743
PCB-1248 Peak 6	3.838										3.768 - 3.908	3.838
PCB-1248 Peak 7	4.122										4.052 - 4.192	4.122
PCB-1248 Peak 8	4.477										4.407 - 4.547	4.477

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:30 Calibration End Date: 09/23/2011 11:30 Calibration ID: 12360

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/14	or177936.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	67.448				Ave		67.4480000						20.0			
PCB-1248 Peak 2	166.86				Ave		166.864000						20.0			
PCB-1248 Peak 3	67.443				Ave		67.4430000						20.0			
PCB-1248 Peak 4	195.41				Ave		195.412000						20.0			
PCB-1248 Peak 5	174.90				Ave		174.902000						20.0			
PCB-1248 Peak 6	97.827				Ave		97.8270000						20.0			
PCB-1248 Peak 7	87.240				Ave		87.2400000						20.0			
PCB-1248 Peak 8	146.84				Ave		146.842000						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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:30 Calibration End Date: 09/23/2011 11:30 Calibration ID: 12360

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/14	or177936.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	67448					1000				
PCB-1248 Peak 2	Ave	166864					1000				
PCB-1248 Peak 3	Ave	67443					1000				
PCB-1248 Peak 4	Ave	195412					1000				
PCB-1248 Peak 5	Ave	174902					1000				
PCB-1248 Peak 6	Ave	97827					1000				
PCB-1248 Peak 7	Ave	87240					1000				
PCB-1248 Peak 8	Ave	146842					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/or177936.d
Lab Smp Id: IC-SG1248L3_00011
Inj Date : 23-SEP-2011 11:30
Operator : 615
Smp Info : IC-SG1248L3_00011
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/080r8082.m
Meth Date : 23-Sep-2011 14:05 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.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						
2.698	2.698	0.000	67448 1000.00	1000	80.00- 120.00	100.00(M)			
3.155	3.155	0.000	166864 1000.00	1000	197.92- 296.88	247.40			
3.307	3.307	0.000	67443 1000.00	1000	79.99- 119.99	99.99			
3.513	3.513	0.000	195412 1000.00	1000	231.78- 347.67	289.72			
3.743	3.743	0.000	174902 1000.00	1000	207.45- 311.18	259.31			
3.838	3.838	0.000	97827 1000.00	1000	116.03- 174.05	145.04			
4.122	4.122	0.000	87240 1000.00	1000	103.48- 155.21	129.34			
4.477	4.477	0.000	146842 1000.00	1000	174.17- 261.25	217.71			
Average of Peak Amounts =			1e+03						

Data File: or177936.d
Report Date: 23-Sep-2011 14:06

Page 2

QC Flag Legend

M - Compound response manually integrated.

Data File: or177936.d

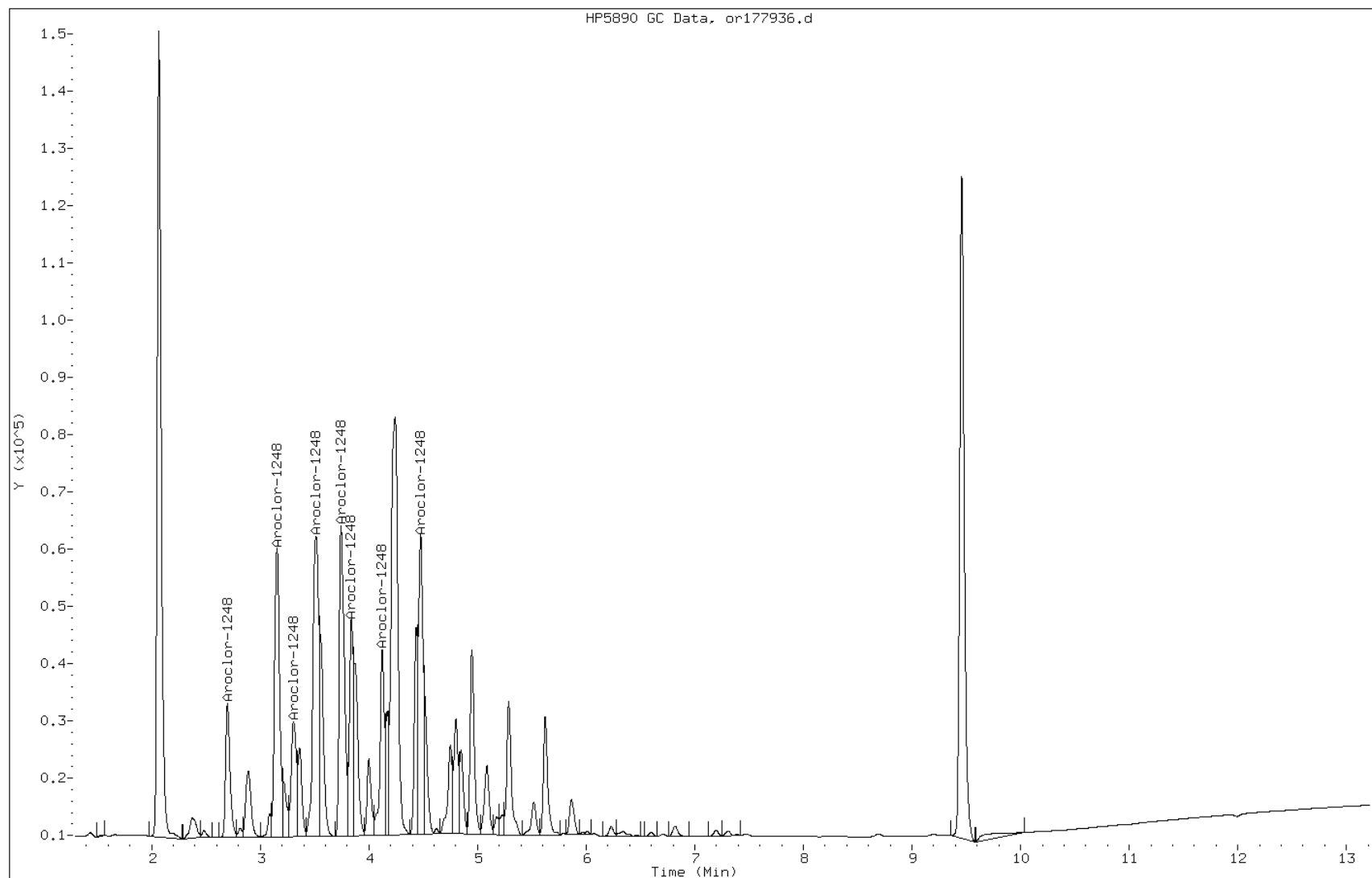
Date: 23-SEP-2011 11:30

Client ID:

Instrument: PESTGC7.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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:46 Calibration End Date: 09/23/2011 11:46 Calibration ID: 12354

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/15	of177937.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	4.387										4.317 - 4.457	4.387
PCB-1254 Peak 2	5.255										5.185 - 5.325	5.255
PCB-1254 Peak 3	5.503										5.433 - 5.573	5.503
PCB-1254 Peak 4	5.950										5.880 - 6.020	5.950
PCB-1254 Peak 5	6.107										6.037 - 6.177	6.107
PCB-1254 Peak 6	7.002										6.932 - 7.072	7.002
PCB-1254 Peak 7	7.362										7.292 - 7.432	7.362
PCB-1254 Peak 8	8.122										8.052 - 8.192	8.122

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:46 Calibration End Date: 09/23/2011 11:46 Calibration ID: 12354

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/15	of177937.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	192.38				Ave		192.382000						20.0			
PCB-1254 Peak 2	283.84				Ave		283.835000						20.0			
PCB-1254 Peak 3	288.83				Ave		288.829000						20.0			
PCB-1254 Peak 4	205.15				Ave		205.154000						20.0			
PCB-1254 Peak 5	466.74				Ave		466.738000						20.0			
PCB-1254 Peak 6	351.76				Ave		351.759000						20.0			
PCB-1254 Peak 7	447.02				Ave		447.024000						20.0			
PCB-1254 Peak 8	102.55				Ave		102.547000						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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:46 Calibration End Date: 09/23/2011 11:46 Calibration ID: 12354

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/15	of177937.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	192382					1000				
PCB-1254 Peak 2	Ave	283835					1000				
PCB-1254 Peak 3	Ave	288829					1000				
PCB-1254 Peak 4	Ave	205154					1000				
PCB-1254 Peak 5	Ave	466738					1000				
PCB-1254 Peak 6	Ave	351759					1000				
PCB-1254 Peak 7	Ave	447024					1000				
PCB-1254 Peak 8	Ave	102547					1000				

Curve Type Legend:

Ave = Average

Data File: of177937.d
 Report Date: 23-Sep-2011 14:06

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/of177937.d
 Lab Smp Id: IC-SG1254L3_00011
 Inj Date : 23-SEP-2011 11:46
 Operator : 615
 Smp Info : IC-SG1254L3_00011
 Misc Info :
 Comment :
 Method : /chem1/PESTGC7.i/8082/front/Sep11/09-23-11aical/23sep11a.b/080f8082.m
 Meth Date : 23-Sep-2011 14:06 shanthi Quant Type: ESTD
 Cal Date : 23-SEP-2011 12:19 Cal File: of177939.d
 Als bottle: 15 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AR12540.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
==	=====	=====	=====	=====	=====	=====
26 Aroclor-1254			CAS #: 11097-69-1			
4.387	4.387	0.000	192382 1000.00	1000	80.00- 120.00	100.00(M)
5.255	5.255	0.000	283835 1000.00	1000	118.03- 177.04	147.54
5.503	5.503	0.000	288829 1000.00	1000	120.11- 180.16	150.13
5.950	5.950	0.000	205154 1000.00	1000	85.31- 127.97	106.64
6.107	6.107	0.000	466738 1000.00	1000	194.09- 291.13	242.61
7.002	7.002	0.000	351759 1000.00	1000	146.28- 219.41	182.84
7.362	7.362	0.000	447024 1000.00	1000	185.89- 278.84	232.36
8.122	8.122	0.000	102547 1000.00	1000	42.64- 63.96	53.30
Average of Peak Amounts =			1e+03			

Data File: of177937.d
Report Date: 23-Sep-2011 14:06

QC Flag Legend

M - Compound response manually integrated.

Data File: of177937.d

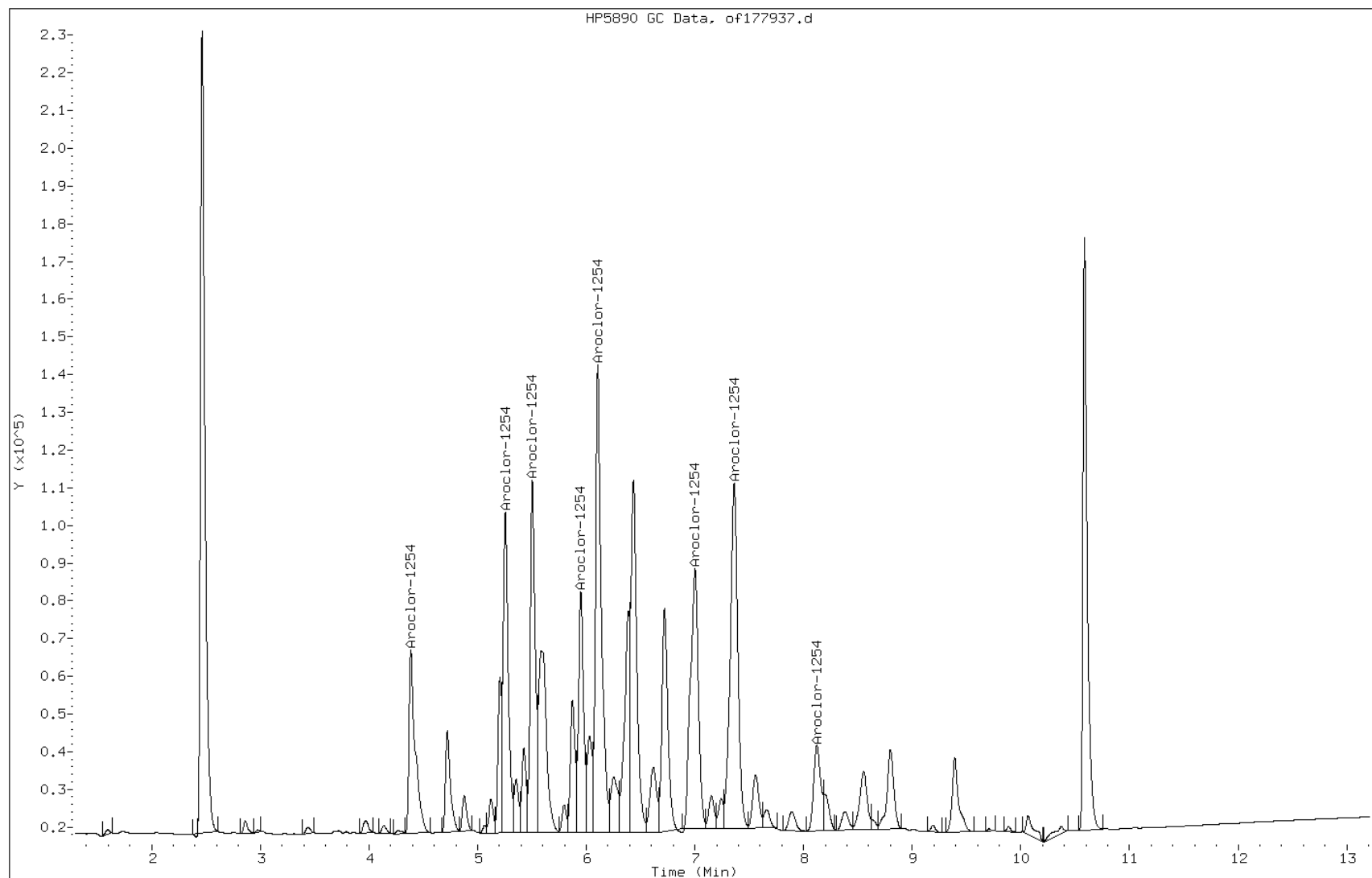
Date: 23-SEP-2011 11:46

Client ID:

Instrument: PESTGC7.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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:46 Calibration End Date: 09/23/2011 11:46 Calibration ID: 12361

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/15	or177937.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	4.172										4.102 - 4.242	4.172
PCB-1254 Peak 2	4.220										4.150 - 4.290	4.220
PCB-1254 Peak 3	4.475										4.405 - 4.545	4.475
PCB-1254 Peak 4	4.800										4.730 - 4.870	4.800
PCB-1254 Peak 5	4.948										4.878 - 5.018	4.948
PCB-1254 Peak 6	5.173										5.103 - 5.243	5.173
PCB-1254 Peak 7	5.287										5.217 - 5.357	5.287
PCB-1254 Peak 8	5.517										5.447 - 5.587	5.517

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

Lab Name: TestAmerica Edison Job No.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:46 Calibration End Date: 09/23/2011 11:46 Calibration ID: 12361

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/15	or177937.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	145.82				Ave		145.816000						20.0			
PCB-1254 Peak 2	125.23				Ave		125.226000						20.0			
PCB-1254 Peak 3	210.20				Ave		210.198000						20.0			
PCB-1254 Peak 4	169.30				Ave		169.301000						20.0			
PCB-1254 Peak 5	278.54				Ave		278.543000						20.0			
PCB-1254 Peak 6	132.48				Ave		132.476000						20.0			
PCB-1254 Peak 7	199.35				Ave		199.354000						20.0			
PCB-1254 Peak 8	203.74				Ave		203.743000						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.: 460-31328-1 Analy Batch No.: 87132

SDG No.: _____

Instrument ID: PESTGC7 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/23/2011 11:46 Calibration End Date: 09/23/2011 11:46 Calibration ID: 12361

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-87132/15	or177937.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	145816					1000				
PCB-1254 Peak 2	Ave	125226					1000				
PCB-1254 Peak 3	Ave	210198					1000				
PCB-1254 Peak 4	Ave	169301					1000				
PCB-1254 Peak 5	Ave	278543					1000				
PCB-1254 Peak 6	Ave	132476					1000				
PCB-1254 Peak 7	Ave	199354					1000				
PCB-1254 Peak 8	Ave	203743					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/or177937.d
Lab Smp Id: IC-SG1254L3_00011
Inj Date : 23-SEP-2011 11:46
Operator : 615
Smp Info : IC-SG1254L3_00011
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11aical/23sep11a.b/080r8082.m
Meth Date : 23-Sep-2011 14:05 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 15
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.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		
4.172	4.172	0.000	145816 1000.00	1000	80.00- 120.00	100.00(M)
4.220	4.220	0.000	125226 1000.00	1000	68.70- 103.06	85.88
4.475	4.475	0.000	210198 1000.00	1000	115.32- 172.98	144.15
4.800	4.800	0.000	169301 1000.00	1000	92.88- 139.33	116.11
4.948	4.948	0.000	278543 1000.00	1000	152.82- 229.23	191.02
5.173	5.173	0.000	132476 1000.00	1000	72.68- 109.02	90.85
5.287	5.287	0.000	199354 1000.00	1000	109.37- 164.06	136.72
5.517	5.517	0.000	203743 1000.00	1000	111.78- 167.67	139.73
Average of Peak Amounts =				1e+03		

Data File: or177937.d
Report Date: 23-Sep-2011 14:07

Page 2

QC Flag Legend

M - Compound response manually integrated.

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-87694/2 Calibration Date: 09/28/2011 11:17
 Instrument ID: PESTGC7 Calib Start Date: 09/23/2011 09:19
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/23/2011 10:24
 Lab File ID: of178063.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	120.2	110.0		915	1000	-8.5	15.0
PCB-1016 Peak 2	Ave	275.6	282.8		1030	1000	2.6	15.0
PCB-1016 Peak 3	Ave	125.5	136.3		1090	1000	8.6	15.0
PCB-1016 Peak 4	Ave	504.1	529.3		1050	1000	5.0	15.0
PCB-1016 Peak 5	Ave	210.9	225.8		1070	1000	7.1	15.0
PCB-1016 Peak 6	Ave	131.9	140.4		1060	1000	6.4	15.0
PCB-1016 Peak 7	Ave	124.9	137.8		1100	1000	10.3	15.0
PCB-1016 Peak 8	Ave	113.9	130.0		1140	1000	14.1	15.0
PCB-1260 Peak 1	Ave	336.6	335.3		996	1000	-0.4	15.0
PCB-1260 Peak 2	Ave	380.2	376.0		989	1000	-1.1	15.0
PCB-1260 Peak 3	Ave	528.3	561.1		1060	1000	6.2	15.0
PCB-1260 Peak 4	Ave	245.7	256.1		1040	1000	4.3	15.0
PCB-1260 Peak 5	Ave	142.5	152.9		1070	1000	7.3	15.0
PCB-1260 Peak 6	Ave	321.6	312.8		973	1000	-2.7	15.0
PCB-1260 Peak 7	Ave	371.2	351.6		947	1000	-5.3	15.0
PCB-1260 Peak 8	Ave	121.5	109.8		904	1000	-9.6	15.0
DCB Decachlorobiphenyl	Ave	3569	3137		87.9	100	-12.1	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-87694/2 Calibration Date: 09/28/2011 11:17
 Instrument ID: PESTGC7 Calib Start Date: 09/23/2011 09:19
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/23/2011 10:24
 Lab File ID: of178063.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.99	2.91	3.05
PCB-1016 Peak 2	3.45	3.38	3.52
PCB-1016 Peak 3	3.73	3.66	3.80
PCB-1016 Peak 4	3.98	3.91	4.05
PCB-1016 Peak 5	4.15	4.08	4.22
PCB-1016 Peak 6	4.45	4.38	4.52
PCB-1016 Peak 7	5.27	5.19	5.33
PCB-1016 Peak 8	5.51	5.44	5.58
PCB-1260 Peak 1	6.40	6.33	6.47
PCB-1260 Peak 2	6.73	6.66	6.80
PCB-1260 Peak 3	7.37	7.30	7.44
PCB-1260 Peak 4	7.56	7.49	7.63
PCB-1260 Peak 5	7.67	7.60	7.74
PCB-1260 Peak 6	8.22	8.15	8.29
PCB-1260 Peak 7	9.40	9.33	9.47
PCB-1260 Peak 8	10.07	10.00	10.14
DCB Decachlorobiphenyl	10.59	10.49	10.69

Data File: of178063.d
Report Date: 29-Sep-2011 09:34

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/of178063.d
Lab Smp Id: CCVRTSG1660L3_00013
Inj Date : 28-SEP-2011 11:17
Operator : 615
Smp Info : CCVRT-SG1660L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/080f8082.m
Meth Date : 29-Sep-2011 09:34 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: of177939.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			
2.985	2.985	0.000	109997	1000.00	920	80.00-	120.00	100.00
3.448	3.448	0.000	282760	1000.00	1000	205.65-	308.47	257.06
3.727	3.727	0.000	136349	1000.00	1100	99.17-	148.75	123.96
3.983	3.983	0.000	529318	1000.00	1000	384.97-	577.45	481.21
4.150	4.150	0.000	225807	1000.00	1100	164.23-	246.34	205.28
4.448	4.448	0.000	140403	1000.00	1100	102.11-	153.17	127.64
5.265	5.265	0.000	137750	1000.00	1100	100.18-	150.28	125.23
5.512	5.512	0.000	129997	1000.00	1100	94.55-	141.82	118.18
Average of Peak Amounts =					1.06e+03			

27 Aroclor-1260					CAS #: 11096-82-5			
6.395	6.395	0.000	335306	1000.00	1000	80.00-	120.00	100.00(MH)

Data File: of178063.d
 Report Date: 29-Sep-2011 09:34

AMOUNTS									
RT	EXP RT	DLT RT	CAL-AMT		ON-COL	TARGET	RANGE	RATIO	
			RESPONSE	(ug/L)	(ug/L)				
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.730	6.730	0.000	375969	1000.00	990	89.70-	134.55	112.13	
7.367	7.367	0.000	561112	1000.00	1100	133.87-	200.81	167.34	
7.560	7.560	0.000	256139	1000.00	1000	61.11-	91.67	76.39	
7.673	7.673	0.000	152923	1000.00	1100	36.49-	54.73	45.61	
8.217	8.217	0.000	312825	1000.00	970	74.64-	111.95	93.30	
9.395	9.395	0.000	351600	1000.00	950	83.89-	125.83	104.86	
10.070	10.070	0.000	109827	1000.00	900	26.20-	39.31	32.75	
Average of Peak Amounts =					998				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.590	10.590	0.000	313663	100.000	88	80.00-	120.00	100.00	

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: of178063.d

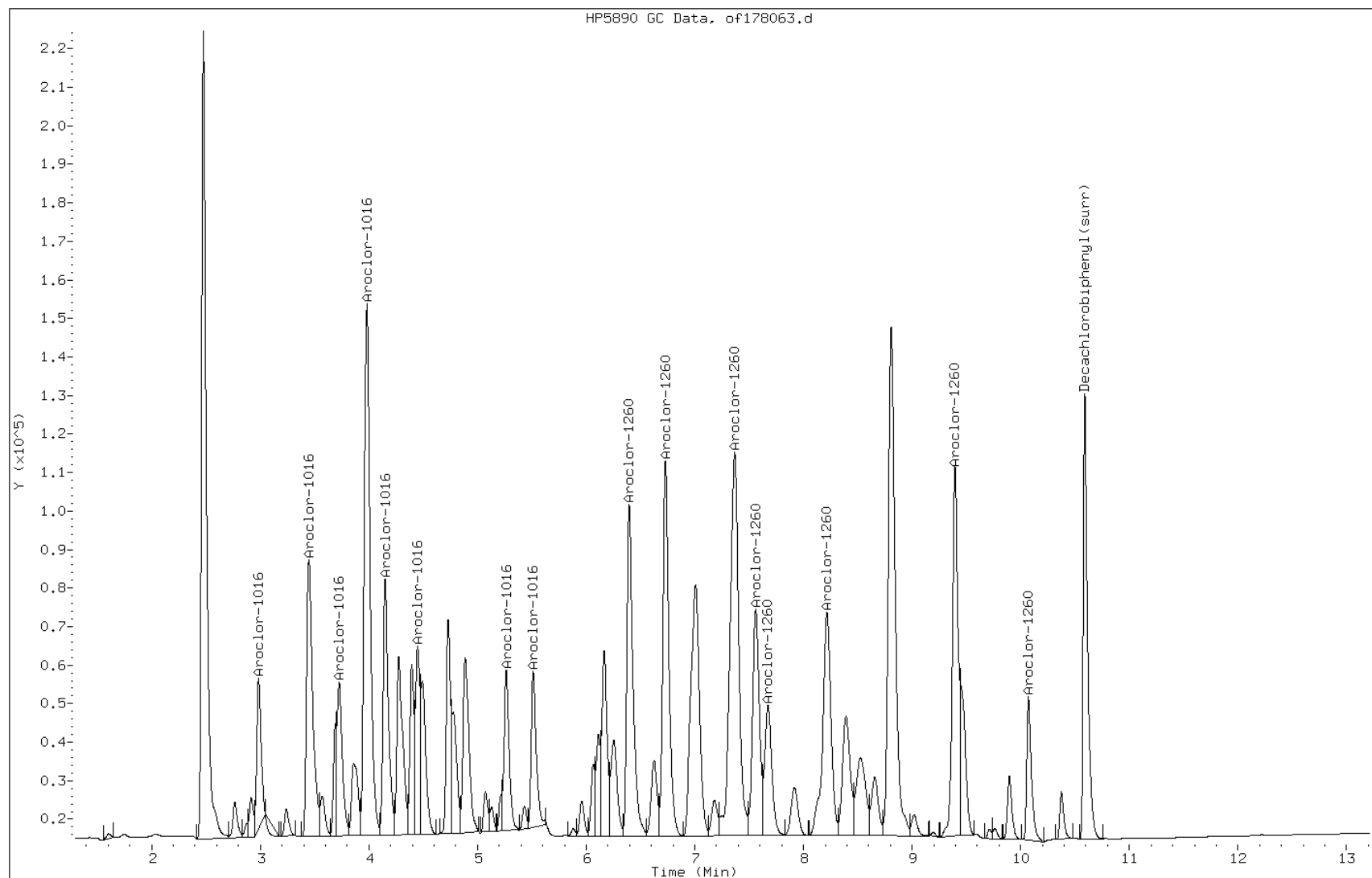
Date: 28-SEP-2011 11:17

Client ID:

Instrument: PESTGC7.i

Sample Info: CCVRT-SG1660L3_00013

Operator: 615



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-87694/2 Calibration Date: 09/28/2011 11:17
 Instrument ID: PESTGC7 Calib Start Date: 09/23/2011 09:19
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/23/2011 10:24
 Lab File ID: or178063.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	94.13	98.43		1050	1000	4.6	15.0
PCB-1016 Peak 2	Ave	156.9	159.7		1020	1000	1.8	15.0
PCB-1016 Peak 3	Ave	106.5	112.4		1060	1000	5.6	15.0
PCB-1016 Peak 4	Ave	321.8	344.4		1070	1000	7.0	15.0
PCB-1016 Peak 5	Ave	125.9	135.2		1070	1000	7.4	15.0
PCB-1016 Peak 6	Ave	84.97	95.61		1130	1000	12.5	15.0
PCB-1016 Peak 7	Ave	149.0	153.1		1030	1000	2.7	15.0
PCB-1016 Peak 8	Ave	131.6	138.1		1050	1000	5.0	15.0
PCB-1260 Peak 1	Ave	182.8	194.5		1060	1000	6.4	15.0
PCB-1260 Peak 2	Ave	333.6	345.1		1030	1000	3.4	15.0
PCB-1260 Peak 3	Ave	316.4	327.0		1030	1000	3.4	15.0
PCB-1260 Peak 4	Ave	148.5	149.8		1010	1000	0.9	15.0
PCB-1260 Peak 5	Ave	162.0	160.3		989	1000	-1.1	15.0
PCB-1260 Peak 6	Ave	198.6	208.5		1050	1000	5.0	15.0
PCB-1260 Peak 7	Ave	99.39	111.2		1120	1000	11.8	15.0
PCB-1260 Peak 8	Ave	96.45	108.3		1120	1000	12.3	15.0
DCB Decachlorobiphenyl	Ave	3025	2849		94.2	100	-5.8	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-87694/2 Calibration Date: 09/28/2011 11:17
 Instrument ID: PESTGC7 Calib Start Date: 09/23/2011 09:19
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/23/2011 10:24
 Lab File ID: or178063.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.38	2.31	2.45
PCB-1016 Peak 2	2.71	2.63	2.77
PCB-1016 Peak 3	2.90	2.83	2.97
PCB-1016 Peak 4	3.16	3.09	3.23
PCB-1016 Peak 5	3.31	3.24	3.38
PCB-1016 Peak 6	3.37	3.30	3.44
PCB-1016 Peak 7	3.52	3.45	3.59
PCB-1016 Peak 8	3.75	3.68	3.82
PCB-1260 Peak 1	5.17	5.10	5.24
PCB-1260 Peak 2	5.51	5.44	5.58
PCB-1260 Peak 3	5.86	5.79	5.93
PCB-1260 Peak 4	6.01	5.94	6.08
PCB-1260 Peak 5	6.34	6.26	6.40
PCB-1260 Peak 6	7.31	7.23	7.37
PCB-1260 Peak 7	7.47	7.40	7.54
PCB-1260 Peak 8	8.69	8.62	8.76
DCB Decachlorobiphenyl	9.45	9.35	9.55

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/or178063.d
Lab Smp Id: CCVRTSG1660L3_00013
Inj Date : 28-SEP-2011 11:17
Operator : 615
Smp Info : CCVRT-SG1660L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/080r8082.m
Meth Date : 29-Sep-2011 09:33 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.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			
2.377	2.375	0.002	98434 1000.00	1000 80.00- 120.00	100.00(M)	
2.705	2.703	0.002	159712 1000.00	1000 131.21- 196.82	162.25	
2.898	2.897	0.001	112441 1000.00	1000 94.12- 141.18	114.23	
3.162	3.162	0.000	344424 1000.00	1100 283.89- 425.84	349.90	
3.305	3.305	0.000	135176 1000.00	1100 110.34- 165.50	137.33	
3.368	3.367	0.001	95612 1000.00	1100 78.43- 117.65	97.13	
3.518	3.518	0.000	153113 1000.00	1000 123.61- 185.41	155.55	
3.747	3.745	0.002	138125 1000.00	1000 112.23- 168.35	140.32	
Average of Peak Amounts =			1.06e+03			

27 Aroclor-1260			CAS #: 11096-82-5			
5.170	5.168	0.002	194508 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)									
5.513	5.512	0.001	345066	1000.00	1000	143.38-	215.07	177.40	
5.860	5.858	0.002	327029	1000.00	1000	138.64-	207.95	168.13	
6.007	6.005	0.002	149832	1000.00	1000	64.81-	97.21	77.03	
6.335	6.333	0.002	160267	1000.00	990	71.55-	107.33	82.40	
7.305	7.303	0.002	208538	1000.00	1000	88.29-	132.43	107.21	
7.470	7.468	0.002	111160	1000.00	1100	45.31-	67.97	57.15	
8.690	8.688	0.002	108275	1000.00	1100	45.57-	68.35	55.67	
Average of Peak Amounts =					1.05e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.453	9.450	0.003	284923	100.000	94	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: or178063.d

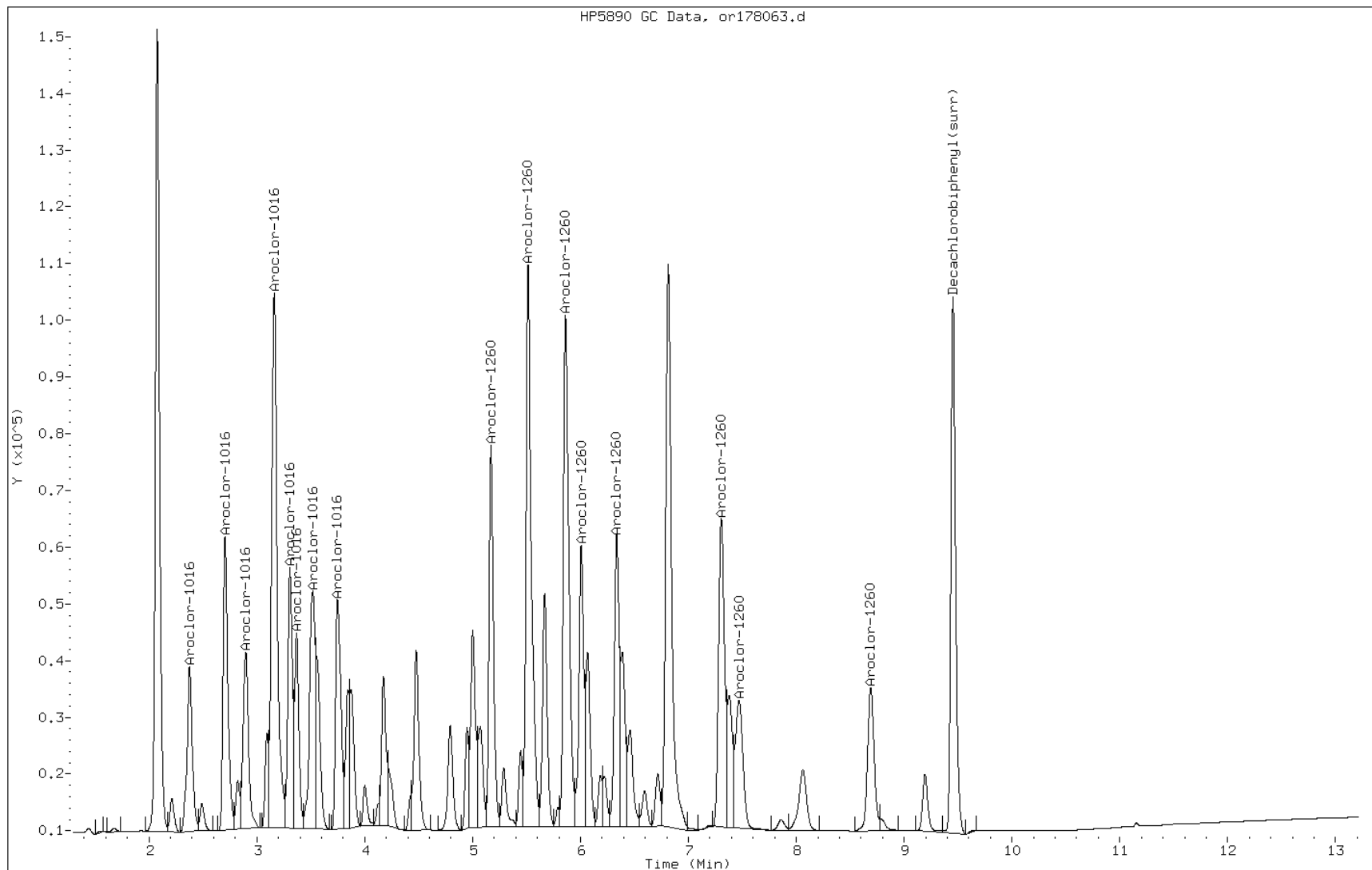
Date: 28-SEP-2011 11:17

Client ID:

Instrument: PESTGC7.i

Sample Info: CCVRT-SG1660L3_00013

Operator: 615



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: CCV 460-87694/22 Calibration Date: 09/28/2011 16:45
 Instrument ID: PESTGC7 Calib Start Date: 09/23/2011 09:19
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/23/2011 10:24
 Lab File ID: of178083.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	120.2	130.6		1090	1000	8.7	15.0
PCB-1016 Peak 2	Ave	275.6	280.4		1020	1000	1.8	15.0
PCB-1016 Peak 3	Ave	125.5	132.7		1060	1000	5.7	15.0
PCB-1016 Peak 4	Ave	504.1	522.6		1040	1000	3.7	15.0
PCB-1016 Peak 5	Ave	210.9	224.3		1060	1000	6.4	15.0
PCB-1016 Peak 6	Ave	131.9	139.5		1060	1000	5.7	15.0
PCB-1016 Peak 7	Ave	124.9	142.4		1140	1000	14.0	15.0
PCB-1016 Peak 8	Ave	113.9	129.8		1140	1000	14.0	15.0
PCB-1260 Peak 1	Ave	336.6	360.4		1070	1000	7.1	15.0
PCB-1260 Peak 2	Ave	380.2	404.9		1070	1000	6.5	15.0
PCB-1260 Peak 3	Ave	528.3	584.5		1110	1000	10.6	15.0
PCB-1260 Peak 4	Ave	245.7	271.6		1110	1000	10.6	15.0
PCB-1260 Peak 5	Ave	142.5	160.4		1130	1000	12.5	15.0
PCB-1260 Peak 6	Ave	321.6	328.0		1020	1000	2.0	15.0
PCB-1260 Peak 7	Ave	371.2	391.8		1060	1000	5.6	15.0
PCB-1260 Peak 8	Ave	121.5	135.8		1120	1000	11.8	15.0
DCB Decachlorobiphenyl	Ave	3569	3440		96.4	100	-3.6	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: CCV 460-87694/22 Calibration Date: 09/28/2011 16:45
 Instrument ID: PESTGC7 Calib Start Date: 09/23/2011 09:19
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/23/2011 10:24
 Lab File ID: of178083.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.98	2.91	3.05
PCB-1016 Peak 2	3.45	3.38	3.52
PCB-1016 Peak 3	3.73	3.66	3.80
PCB-1016 Peak 4	3.98	3.91	4.05
PCB-1016 Peak 5	4.15	4.08	4.22
PCB-1016 Peak 6	4.45	4.38	4.52
PCB-1016 Peak 7	5.26	5.19	5.33
PCB-1016 Peak 8	5.51	5.44	5.58
PCB-1260 Peak 1	6.40	6.33	6.47
PCB-1260 Peak 2	6.73	6.66	6.80
PCB-1260 Peak 3	7.37	7.30	7.44
PCB-1260 Peak 4	7.56	7.49	7.63
PCB-1260 Peak 5	7.67	7.60	7.74
PCB-1260 Peak 6	8.22	8.15	8.29
PCB-1260 Peak 7	9.40	9.33	9.47
PCB-1260 Peak 8	10.07	10.00	10.14
DCB Decachlorobiphenyl	10.59	10.49	10.69

Data File: of178083.d
Report Date: 29-Sep-2011 09:36

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/of178083.d
Lab Smp Id: CCV-SG1660L3_00013
Inj Date : 28-SEP-2011 16:45
Operator : 615
Smp Info : CCV-SG1660L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/080f8082.m
Meth Date : 29-Sep-2011 09:36 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 34
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: of177939.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			
2.983	2.983	0.000	130643 1000.00	1100 80.00- 120.00	100.00(M)	
3.447	3.447	0.000	280433 1000.00	1000 171.72- 257.59	214.66	
3.725	3.725	0.000	132653 1000.00	1000 81.23- 121.85	101.54	
3.982	3.982	0.000	522629 1000.00	1000 320.03- 480.05	400.04	
4.147	4.147	0.000	224310 1000.00	1100 137.36- 206.04	171.70	
4.447	4.447	0.000	139530 1000.00	1000 85.44- 128.16	106.80	
5.263	5.263	0.000	142449 1000.00	1100 87.23- 130.84	109.04	
5.510	5.510	0.000	129826 1000.00	1100 79.50- 119.25	99.37	
Average of Peak Amounts =			1.07e+03			

27 Aroclor-1260			CAS #: 11096-82-5			
6.395	6.395	0.000	360357 1000.00	1100 80.00- 120.00	100.00(M)	

Data File: of178083.d
 Report Date: 29-Sep-2011 09:36

AMOUNTS									
			CAL -AMT		ON -COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.728	6.728	0.000	404936	1000.00	1100	89.90-	134.84	112.37	
7.367	7.367	0.000	584515	1000.00	1100	129.76-	194.65	162.20	
7.558	7.558	0.000	271573	1000.00	1100	60.29-	90.43	75.36	
7.672	7.672	0.000	160353	1000.00	1100	35.60-	53.40	44.50	
8.215	8.215	0.000	328048	1000.00	1000	72.83-	109.24	91.03	
9.395	9.395	0.000	391836	1000.00	1000	86.99-	130.48	108.74	
10.070	10.070	0.000	135772	1000.00	1100	30.14-	45.21	37.68	
Average of Peak Amounts =					1.08e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.588	10.588	0.000	344016	100.000	96	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: of178083.d

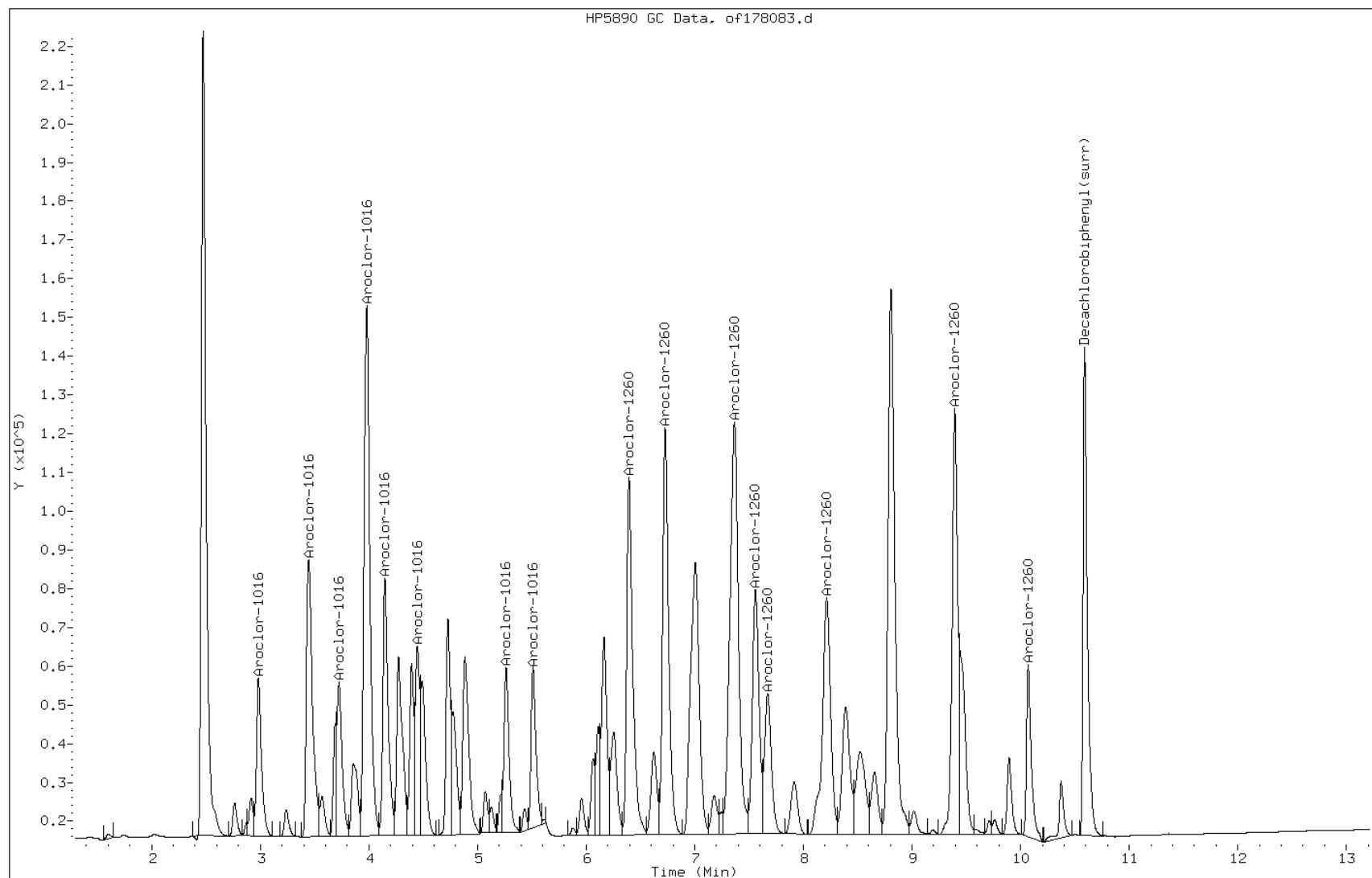
Date: 28-SEP-2011 16:45

Client ID:

Instrument: PESTGC7.i

Sample Info: CCV-SG1660L3_00013

Operator: 615



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: CCV 460-87694/22 Calibration Date: 09/28/2011 16:45
 Instrument ID: PESTGC7 Calib Start Date: 09/23/2011 09:19
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/23/2011 10:24
 Lab File ID: or178083.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	94.13	97.02		1030	1000	3.1	15.0
PCB-1016 Peak 2	Ave	156.9	159.1		1010	1000	1.4	15.0
PCB-1016 Peak 3	Ave	106.5	114.1		1070	1000	7.2	15.0
PCB-1016 Peak 4	Ave	321.8	344.3		1070	1000	7.0	15.0
PCB-1016 Peak 5	Ave	125.9	133.8		1060	1000	6.3	15.0
PCB-1016 Peak 6	Ave	84.97	95.12		1120	1000	11.9	15.0
PCB-1016 Peak 7	Ave	149.0	149.9		1010	1000	0.6	15.0
PCB-1016 Peak 8	Ave	131.6	136.1		1030	1000	3.4	15.0
PCB-1260 Peak 1	Ave	182.8	201.4		1100	1000	10.2	15.0
PCB-1260 Peak 2	Ave	333.6	361.0		1080	1000	8.2	15.0
PCB-1260 Peak 3	Ave	316.4	349.0		1100	1000	10.3	15.0
PCB-1260 Peak 4	Ave	148.5	163.2		1100	1000	9.8	15.0
PCB-1260 Peak 5	Ave	162.0	180.1		1110	1000	11.2	15.0
PCB-1260 Peak 6	Ave	198.6	222.3		1120	1000	11.9	15.0
PCB-1260 Peak 7	Ave	99.39	114.1		1150	1000	14.8	15.0
PCB-1260 Peak 8	Ave	96.45	114.7		1190	1000	18.9*	15.0
DCB Decachlorobiphenyl	Ave	3025	3221		106	100	6.5	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Lab Sample ID: CCV 460-87694/22 Calibration Date: 09/28/2011 16:45
Instrument ID: PESTGC7 Calib Start Date: 09/23/2011 09:19
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/23/2011 10:24
Lab File ID: or178083.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.38	2.31	2.45
PCB-1016 Peak 2	2.70	2.63	2.77
PCB-1016 Peak 3	2.90	2.83	2.97
PCB-1016 Peak 4	3.16	3.09	3.23
PCB-1016 Peak 5	3.31	3.24	3.38
PCB-1016 Peak 6	3.37	3.30	3.44
PCB-1016 Peak 7	3.52	3.45	3.59
PCB-1016 Peak 8	3.75	3.68	3.82
PCB-1260 Peak 1	5.17	5.10	5.24
PCB-1260 Peak 2	5.51	5.44	5.58
PCB-1260 Peak 3	5.86	5.79	5.93
PCB-1260 Peak 4	6.01	5.94	6.08
PCB-1260 Peak 5	6.33	6.26	6.40
PCB-1260 Peak 6	7.30	7.23	7.37
PCB-1260 Peak 7	7.47	7.40	7.54
PCB-1260 Peak 8	8.69	8.62	8.76
DCB Decachlorobiphenyl	9.45	9.35	9.55

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/or178083.d
Lab Smp Id: CCV-SG1660L3_00013
Inj Date : 28-SEP-2011 16:45
Operator : 615
Smp Info : CCV-SG1660L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/080r8082.m
Meth Date : 29-Sep-2011 09:33 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 34
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.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			
2.375	2.375	0.000	97024 1000.00	1000 80.00- 120.00	100.00(M)	
2.703	2.703	0.000	159132 1000.00	1000 131.21- 196.82	164.01	
2.897	2.897	0.000	114149 1000.00	1100 94.12- 141.18	117.65	
3.162	3.162	0.000	344302 1000.00	1100 283.89- 425.84	354.86	
3.305	3.305	0.000	133816 1000.00	1100 110.34- 165.50	137.92	
3.367	3.367	0.000	95122 1000.00	1100 78.43- 117.65	98.04	
3.518	3.518	0.000	149913 1000.00	1000 123.61- 185.41	154.51	
3.745	3.745	0.000	136113 1000.00	1000 112.23- 168.35	140.29	
Average of Peak Amounts =			1.05e+03			

27 Aroclor-1260			CAS #: 11096-82-5			
5.168	5.168	0.000	201408 1000.00	1100 80.00- 120.00	100.00(M)	

AMOUNTS									
RT	EXP RT	DLT RT	CAL-AMT		ON-COL	TARGET RANGE	RATIO		
			RESPONSE	(ug/L)	(ug/L)				
==	=====	=====	=====	=====	=====	=====	=====		
27 Aroclor-1260 (continued)									
5.512	5.512	0.000	360970	1000.00	1100	143.38-	215.07	179.22	
5.858	5.858	0.000	349029	1000.00	1100	138.64-	207.95	173.29	
6.005	6.005	0.000	163161	1000.00	1100	64.81-	97.21	81.01	
6.333	6.333	0.000	180138	1000.00	1100	71.55-	107.33	89.44	
7.303	7.303	0.000	222274	1000.00	1100	88.29-	132.43	110.36	
7.468	7.468	0.000	114080	1000.00	1100	45.31-	67.97	56.64	
8.688	8.688	0.000	114726	1000.00	1200	45.57-	68.35	56.96	
Average of Peak Amounts =					1.12e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.450	9.450	0.000	322061	100.000	110	80.00-	120.00	100.00(M)	

QC Flag Legend

M - Compound response manually integrated.

Data File: or178083.d

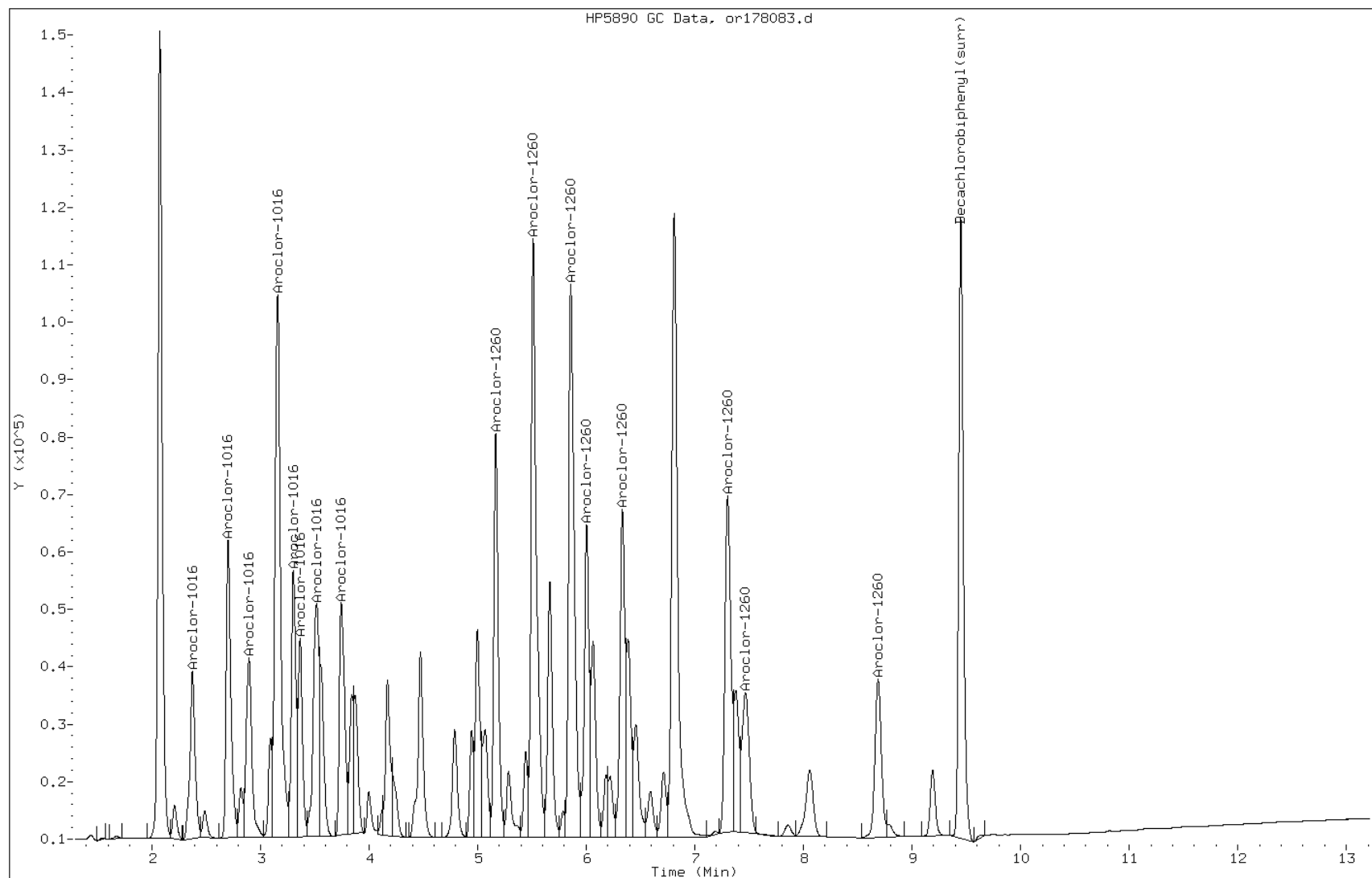
Date: 28-SEP-2011 16:45

Client ID:

Instrument: PESTGC7.i

Sample Info: CCV-SG1660L3_00013

Operator: 615

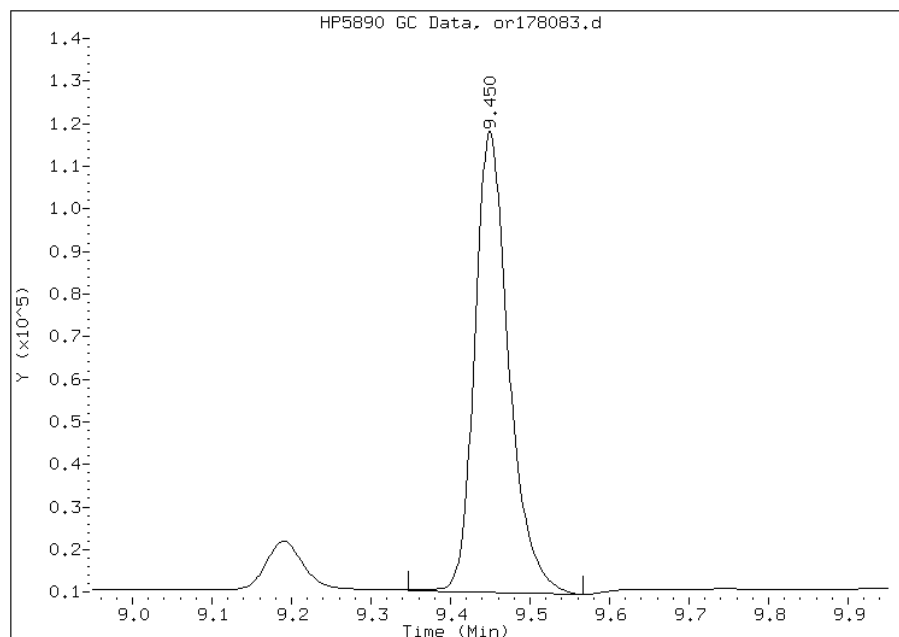


Manual Integration Report

Data File: or178083.d
Inj. Date and Time: 28-SEP-2011 16:45
Instrument ID: PESTGC7.i
Client ID:
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 09/29/2011

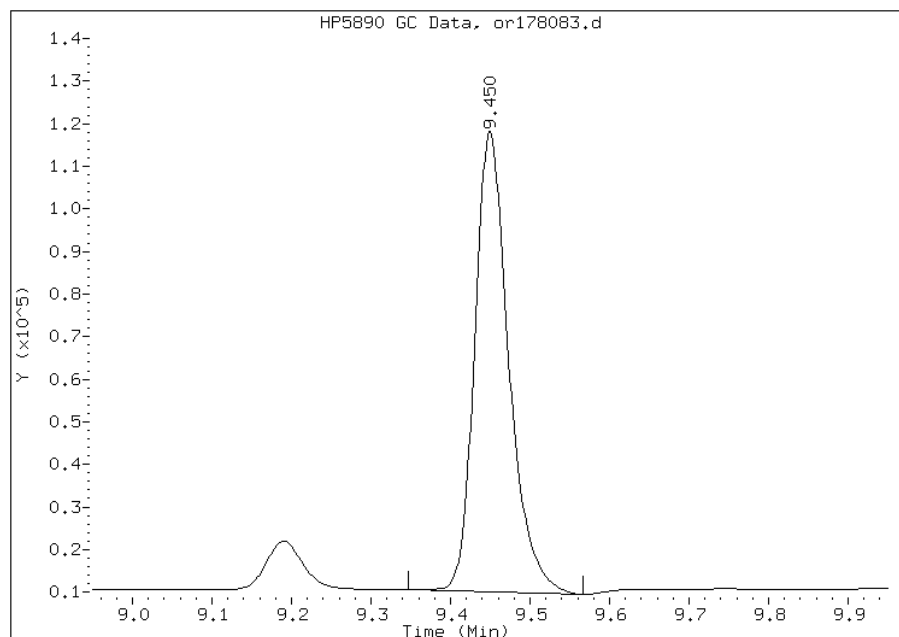
Processing Integration Results

RT: 9.45
Response: 323756
Amount: 107.03
Conc: 71.35



Manual Integration Results

RT: 9.45
Response: 322061
Amount: 106.47
Conc: 106.47



Manually Integrated By: shanthi
Manual Integration Reason:

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-87509/1-A
Matrix: Solid Lab File ID: of178064.d
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3541 Date Extracted: 09/28/2011 03:42
Sample wt/vol: 15.00(g) Date Analyzed: 09/28/2011 11:33
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.: 87694 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	106		30-150

Data File: of178064.d
Report Date: 29-Sep-2011 09:34

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/of178064.d
Lab Smp Id: MB 460-87509/1-A
Inj Date : 28-SEP-2011 11:33
Operator : 615
Smp Info : MB 460-87509/1-A
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/080f8082.m
Meth Date : 29-Sep-2011 09:34 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 15
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: of177939.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						
10.588	10.590	-0.002	188942	52.9359	35 80.00- 120.00	100.00

Data File: of178064.d

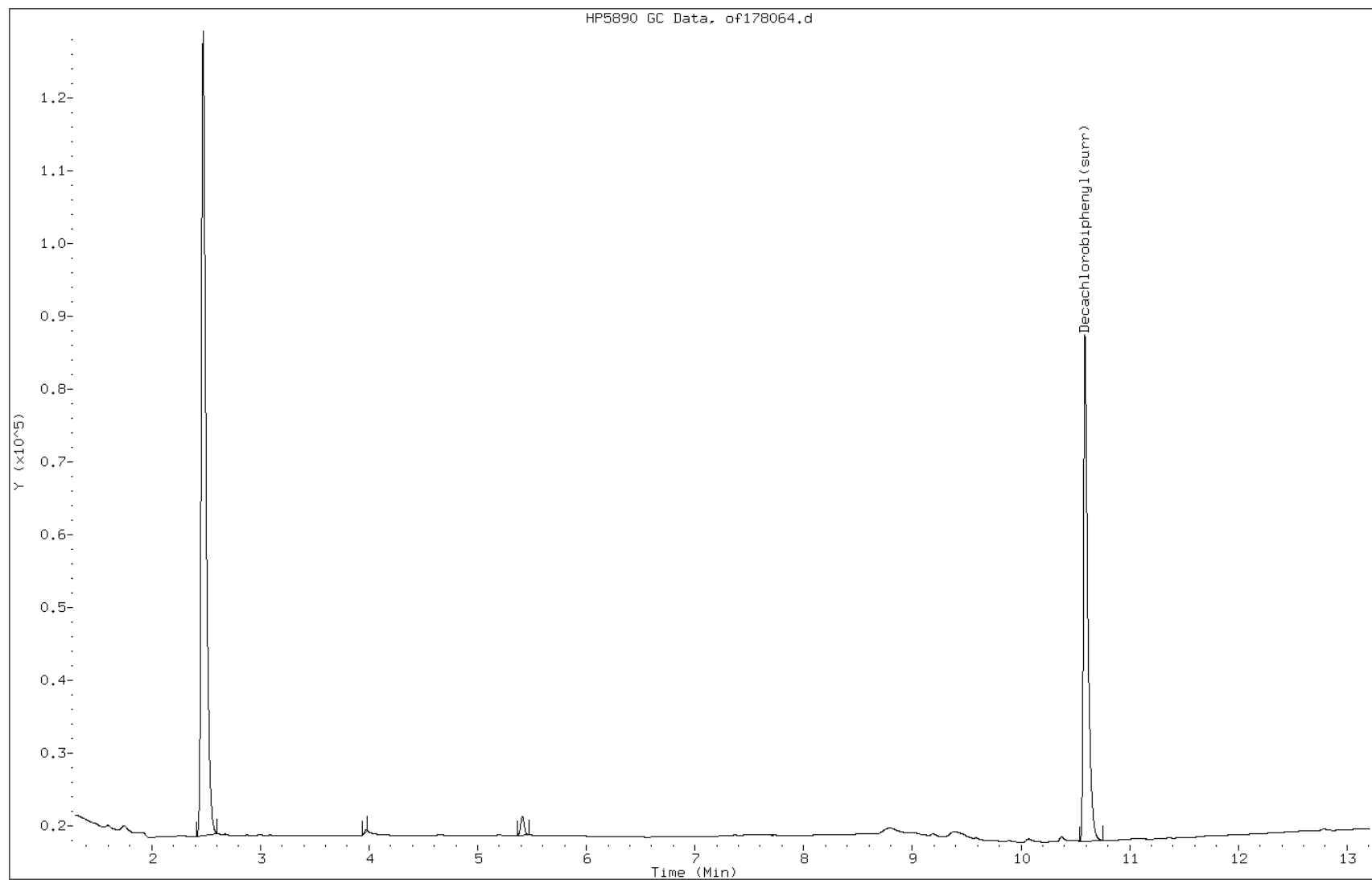
Date: 28-SEP-2011 11:33

Client ID:

Instrument: PESTGC7.i

Sample Info: MB 460-87509/1-A

Operator: 615



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-87509/1-A
 Matrix: Solid Lab File ID: or178064.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3541 Date Extracted: 09/28/2011 03:42
 Sample wt/vol: 15.00(g) Date Analyzed: 09/28/2011 11:33
 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.: 87694 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	115		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/or178064.d
Lab Smp Id: MB 460-87509/1-A
Inj Date : 28-SEP-2011 11:33
Operator : 615
Smp Info : MB 460-87509/1-A
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/080r8082.m
Meth Date : 29-Sep-2011 09:33 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 15
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.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						
9.453	9.450	0.003	173728	57.4309	38 80.00- 120.00	100.00

Data File: or178064.d

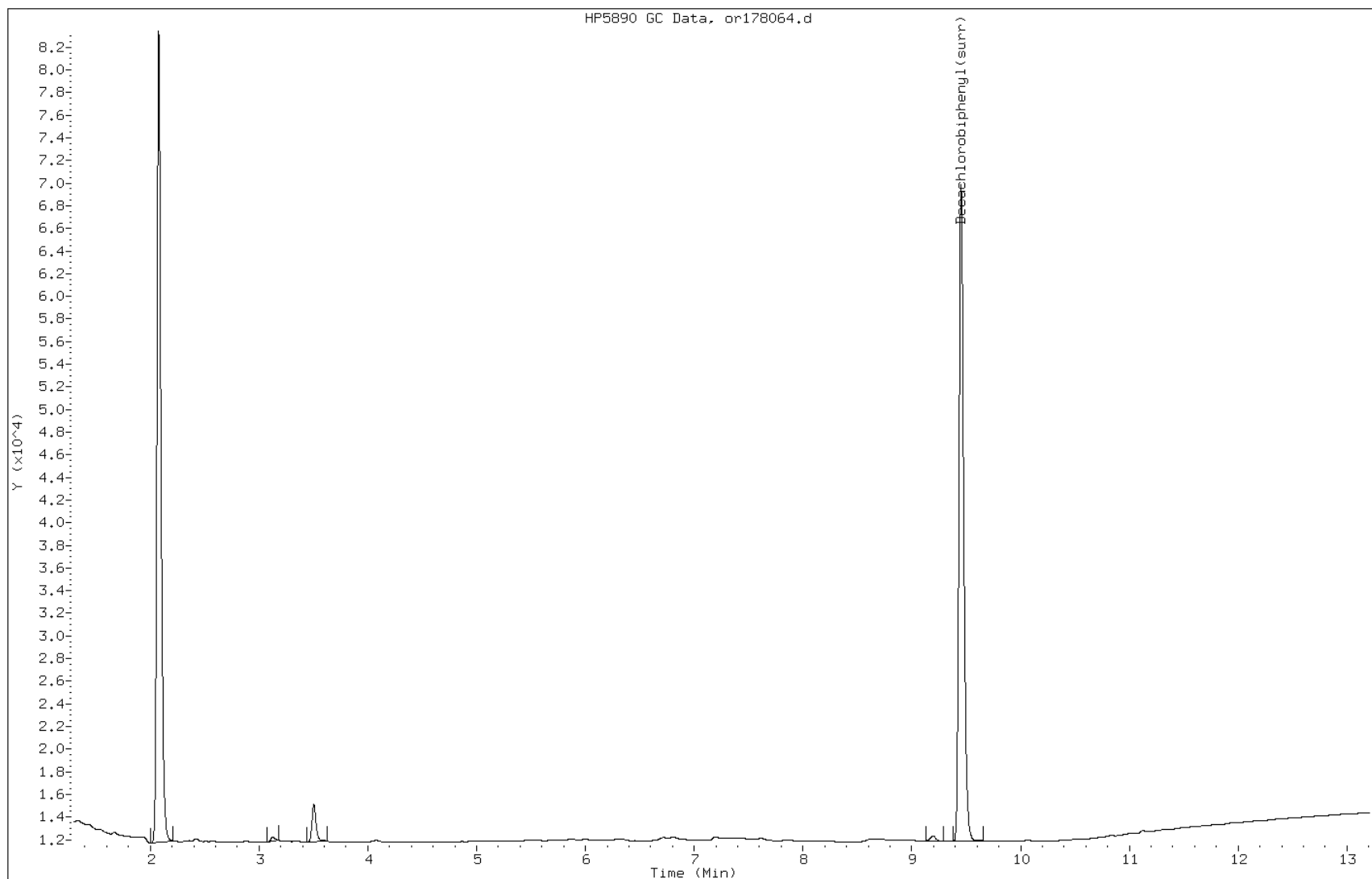
Date: 28-SEP-2011 11:33

Client ID:

Instrument: PESTGC7.i

Sample Info: MB 460-87509/1-A

Operator: 615



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: PIBLK 460-87694/1
 Matrix: Solid Lab File ID: of178062.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: _____ Date Analyzed: 09/28/2011 11:00
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-2 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 87694 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.13
11104-28-2	PCB-1221	0.50	U	0.50	0.28
11141-16-5	PCB-1232	0.50	U	0.50	0.12
53469-21-9	PCB-1242	0.50	U	0.50	0.12
12672-29-6	PCB-1248	0.50	U	0.50	0.24
11097-69-1	PCB-1254	0.50	U	0.50	0.17
11096-82-5	PCB-1260	0.50	U	0.50	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	112		30-150

Data File: of178062.d
Report Date: 29-Sep-2011 09:34

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/of178062.d
Lab Smp Id: SGPIBLK_00008
Inj Date : 28-SEP-2011 11:00
Operator : 615
Smp Info : SGPIBLK_00008
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/080f8082.m
Meth Date : 29-Sep-2011 09:11 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: of177939.d
QC Sample: INSTBLANK
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									
10.590	10.588	0.002	79759 22.3461	15	80.00- 120.00	100.00(a)			

QC Flag Legend

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

Data File: of178062.d

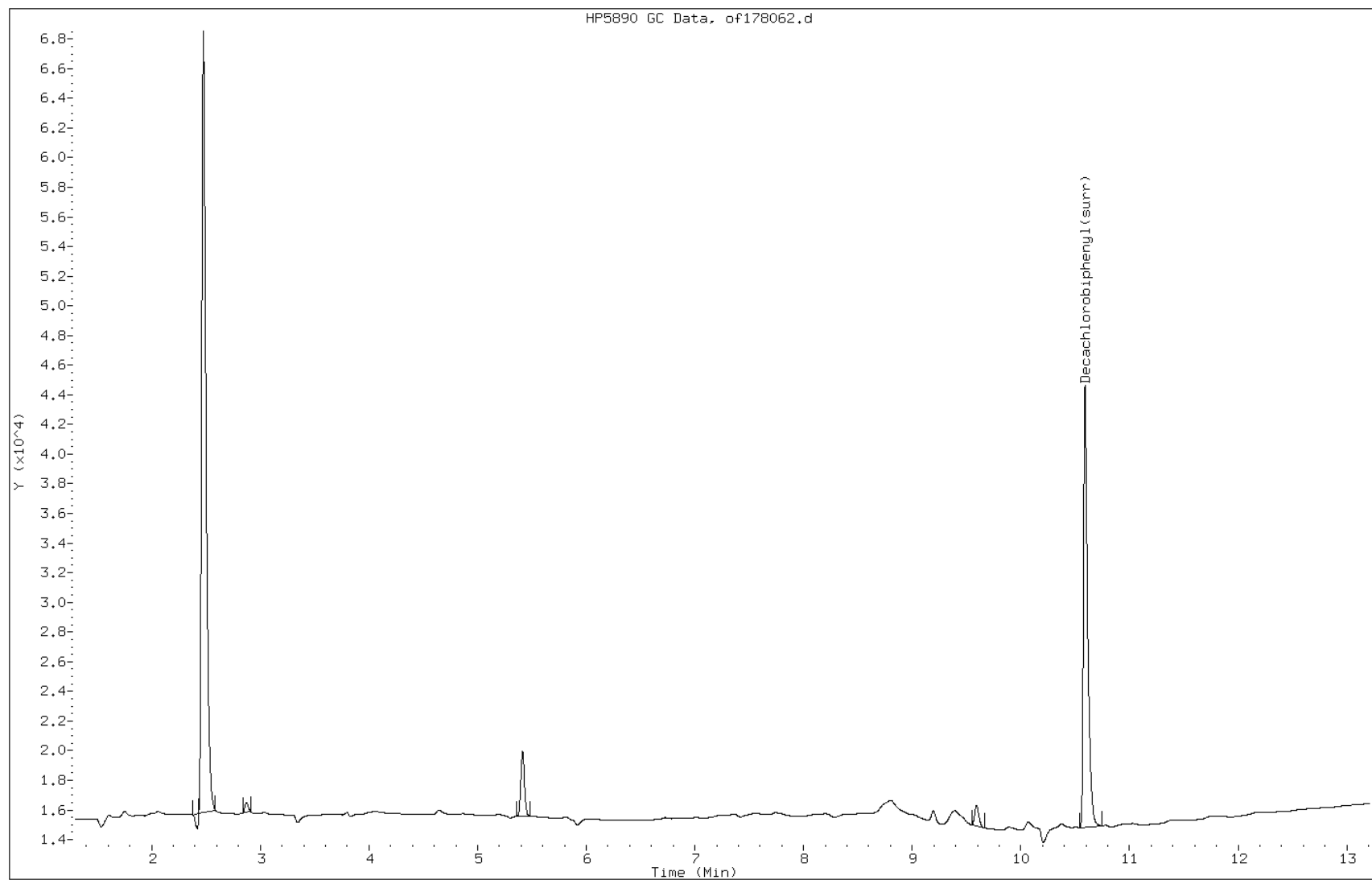
Date: 28-SEP-2011 11:00

Client ID:

Instrument: PESTGC7.i

Sample Info: SGPIBLK_00008

Operator: 615



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: PIBLK 460-87694/1
 Matrix: Solid Lab File ID: or178062.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: _____ Date Analyzed: 09/28/2011 11:00
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 87694 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.13
11104-28-2	PCB-1221	0.50	U	0.50	0.28
11141-16-5	PCB-1232	0.50	U	0.50	0.12
53469-21-9	PCB-1242	0.50	U	0.50	0.12
12672-29-6	PCB-1248	0.50	U	0.50	0.24
11097-69-1	PCB-1254	0.50	U	0.50	0.17
11096-82-5	PCB-1260	0.50	U	0.50	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	132		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/or178062.d
Lab Smp Id: SGPIBLK_00008
Inj Date : 28-SEP-2011 11:00
Operator : 615
Smp Info : SGPIBLK_00008
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/080r8082.m
Meth Date : 29-Sep-2011 09:33 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.d
QC Sample: INSTBLANK
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						
9.455	9.450	0.005	79737	26.3594	18 80.00- 120.00	100.00

Data File: or178062.d

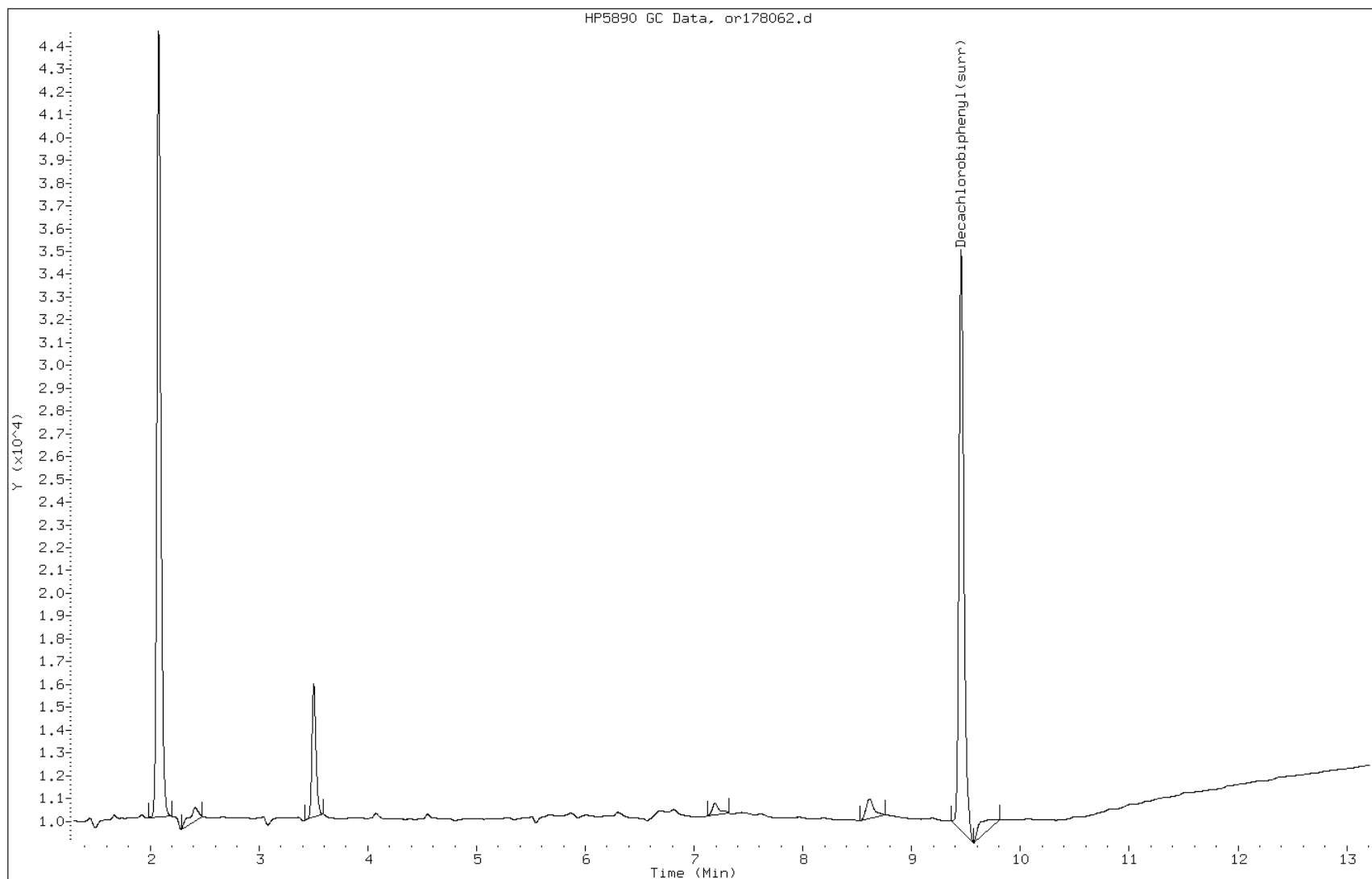
Date: 28-SEP-2011 11:00

Client ID:

Instrument: PESTGC7.i

Sample Info: SGPIBLK_00008

Operator: 615



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: PIBLK 460-87694/21
 Matrix: Solid Lab File ID: of178082.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: _____ Date Analyzed: 09/28/2011 16:29
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-2 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 87694 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.13
11104-28-2	PCB-1221	0.50	U	0.50	0.28
11141-16-5	PCB-1232	0.50	U	0.50	0.12
53469-21-9	PCB-1242	0.50	U	0.50	0.12
12672-29-6	PCB-1248	0.50	U	0.50	0.24
11097-69-1	PCB-1254	0.50	U	0.50	0.17
11096-82-5	PCB-1260	0.50	U	0.50	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	118		30-150

Data File: of178082.d
Report Date: 29-Sep-2011 09:36

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/of178082.d
Lab Smp Id: SGPIBLK_00008
Inj Date : 28-SEP-2011 16:29
Operator : 615
Smp Info : SGPIBLK_00008
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/080f8082.m
Meth Date : 29-Sep-2011 09:34 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 33
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: of177939.d
QC Sample: INSTBLANK
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									
10.590	10.590	0.000	84428	23.6542	16	80.00- 120.00	100.00(a)		

QC Flag Legend

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

Data File: of178082.d

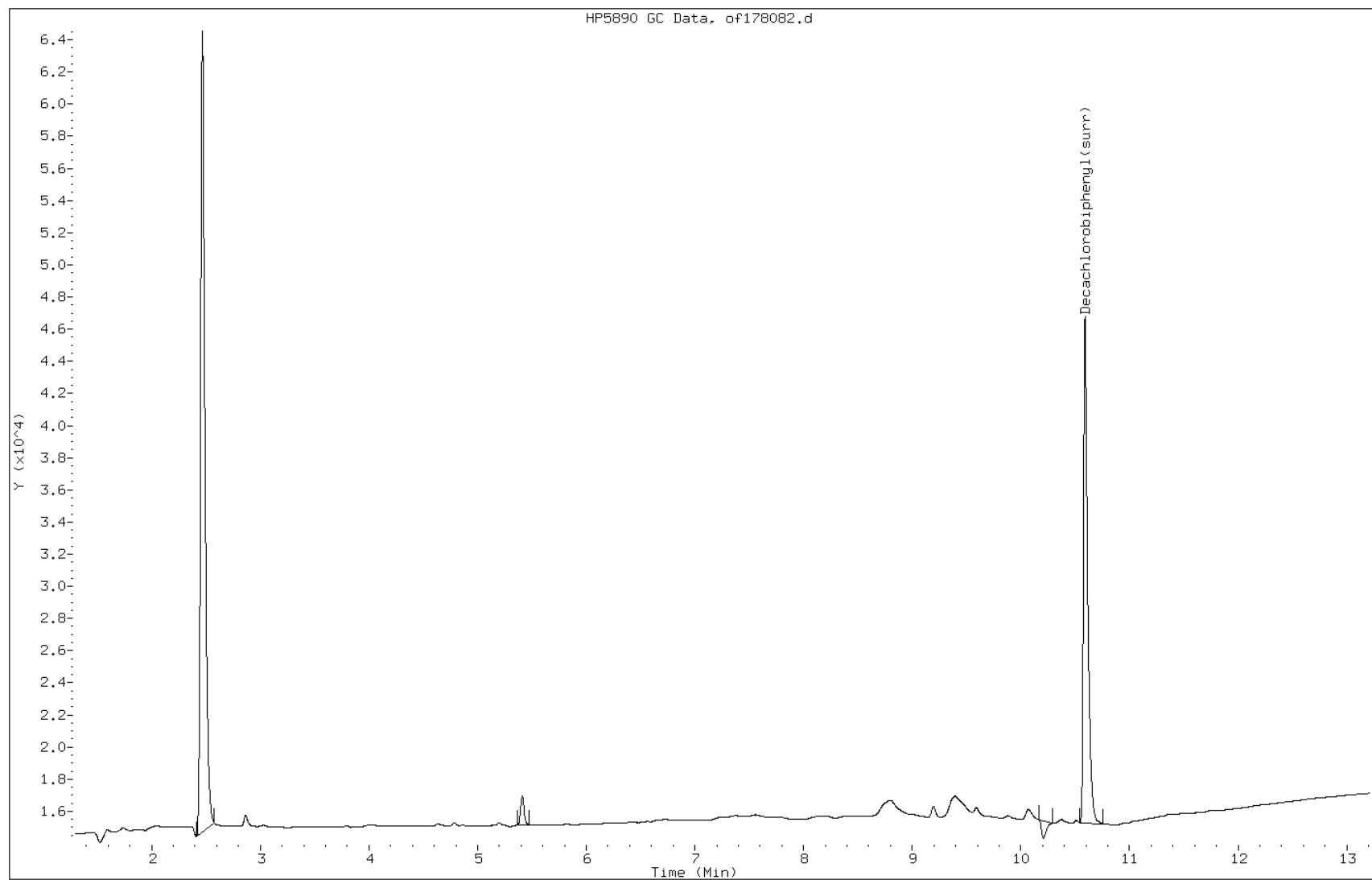
Date: 28-SEP-2011 16:29

Client ID:

Instrument: PESTGC7.i

Sample Info: SGPIBLK_00008

Operator: 615



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: PIBLK 460-87694/21
 Matrix: Solid Lab File ID: or178082.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: _____ Date Analyzed: 09/28/2011 16:29
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 87694 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.13
11104-28-2	PCB-1221	0.50	U	0.50	0.28
11141-16-5	PCB-1232	0.50	U	0.50	0.12
53469-21-9	PCB-1242	0.50	U	0.50	0.12
12672-29-6	PCB-1248	0.50	U	0.50	0.24
11097-69-1	PCB-1254	0.50	U	0.50	0.17
11096-82-5	PCB-1260	0.50	U	0.50	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	143		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/or178082.d
Lab Smp Id: SGPIBLK_00008
Inj Date : 28-SEP-2011 16:29
Operator : 615
Smp Info : SGPIBLK_00008
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/080r8082.m
Meth Date : 29-Sep-2011 09:33 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 33
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: or177939.d
QC Sample: INSTBLANK
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						
9.452	9.450	0.002	86736	28.6731	19 80.00- 120.00	100.00

Data File: or178082.d

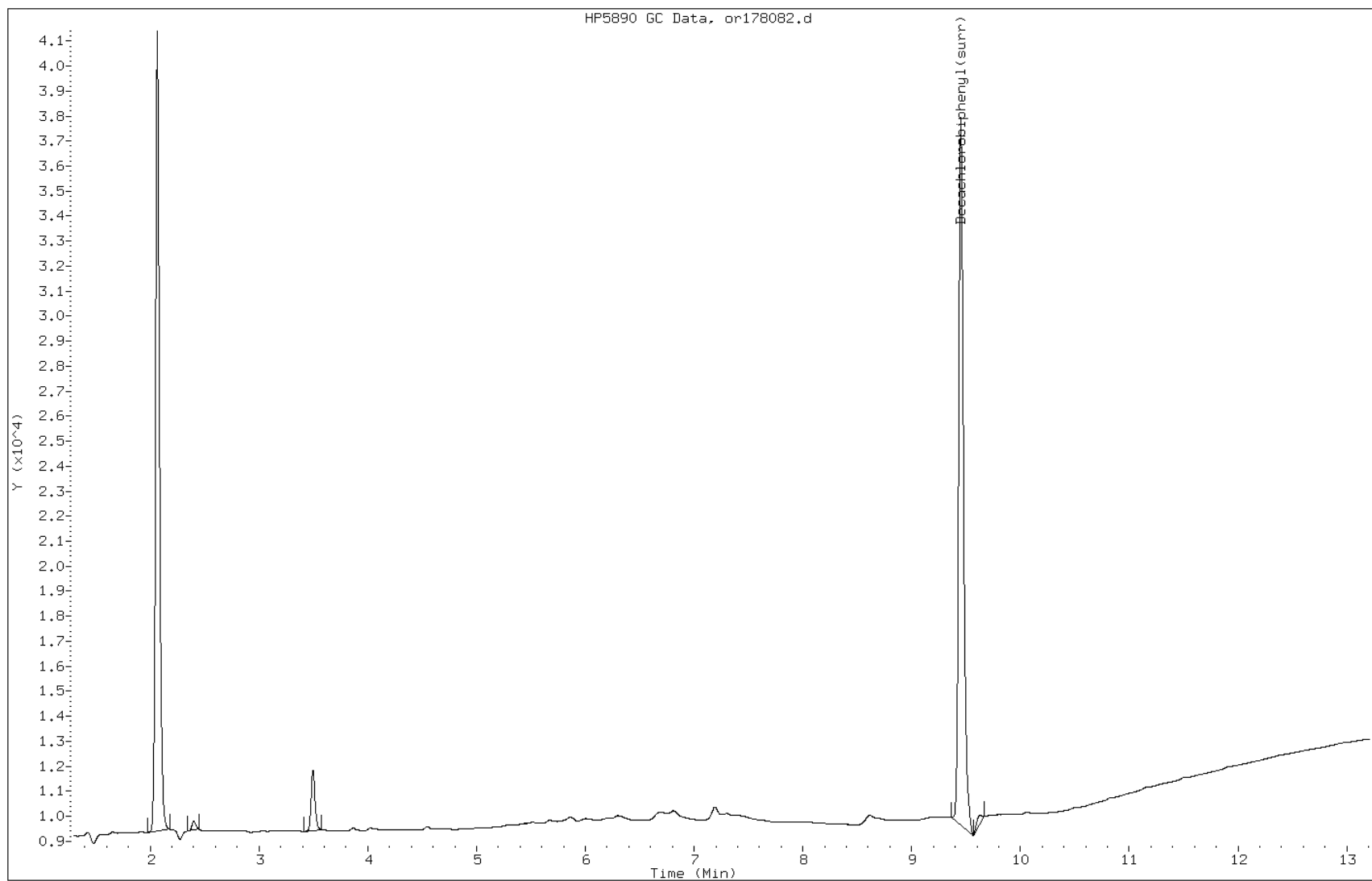
Date: 28-SEP-2011 16:29

Client ID:

Instrument: PESTGC7.i

Sample Info: SGPIBLK_00008

Operator: 615



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-87509/2-A
 Matrix: Solid Lab File ID: of178065.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3541 Date Extracted: 09/28/2011 03:42
 Sample wt/vol: 15.00(g) Date Analyzed: 09/28/2011 11:49
 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.: 87694 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	410		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	354		67	7.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	118		30-150

Data File: of178065.d
Report Date: 29-Sep-2011 09:34

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/of178065.d
Lab Smp Id: LCS 460-87509/2-A
Inj Date : 28-SEP-2011 11:49
Operator : 615
Smp Info : LCS 460-87509/2-A
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/080f8082.m
Meth Date : 29-Sep-2011 09:34 shanthi
Cal Date : 23-SEP-2011 12:19
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC7.i
Quant Type: ESTD
Cal File: of177939.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					
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO		
==	=====	=====	RESPONSE (ug/L)	(ug/kg)	=====	=====		
21 Aroclor-1016				CAS #: 12674-11-2				
2.985	2.985	0.000	72863 606.345	400	80.00- 120.00	100.00		
3.448	3.448	0.000	166589 604.539	400	205.65- 308.47	228.63		
3.727	3.727	0.000	77335 616.053	410	99.17- 148.75	106.14		
3.983	3.983	0.000	307419 609.869	410	384.97- 577.45	421.91		
4.150	4.150	0.000	130593 619.278	410	164.23- 246.34	179.23		
4.448	4.448	0.000	81851 620.344	410	102.11- 153.17	112.34		
5.265	5.265	0.000	75168 601.734	400	100.18- 150.28	103.16		
5.512	5.512	0.000	72882 639.858	430	94.55- 141.82	100.03		
Average of Peak Concentrations =				410				

27 Aroclor-1260				CAS #: 11096-82-5				
6.395	6.395	0.000	185505 551.121	370	80.00- 120.00	100.00(M)		

Data File: of178065.d
 Report Date: 29-Sep-2011 09:34

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
6.728	6.730	-0.002	205967	541.714	360	89.70-	134.55	111.03
7.367	7.367	0.000	297422	562.959	380	133.87-	200.81	160.33
7.560	7.560	0.000	136936	557.430	370	61.11-	91.67	73.82
7.673	7.673	0.000	79077	555.017	370	36.49-	54.73	42.63
8.215	8.217	-0.002	164496	511.511	340	74.64-	111.95	88.67
9.395	9.395	0.000	187914	506.257	340	83.89-	125.83	101.30
10.072	10.070	0.002	55702	458.473	300	26.20-	39.31	30.03
Average of Peak Concentrations =					350			

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3			
10.590	10.590	0.000	209937	58.8181	39	80.00-	120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: of178065.d

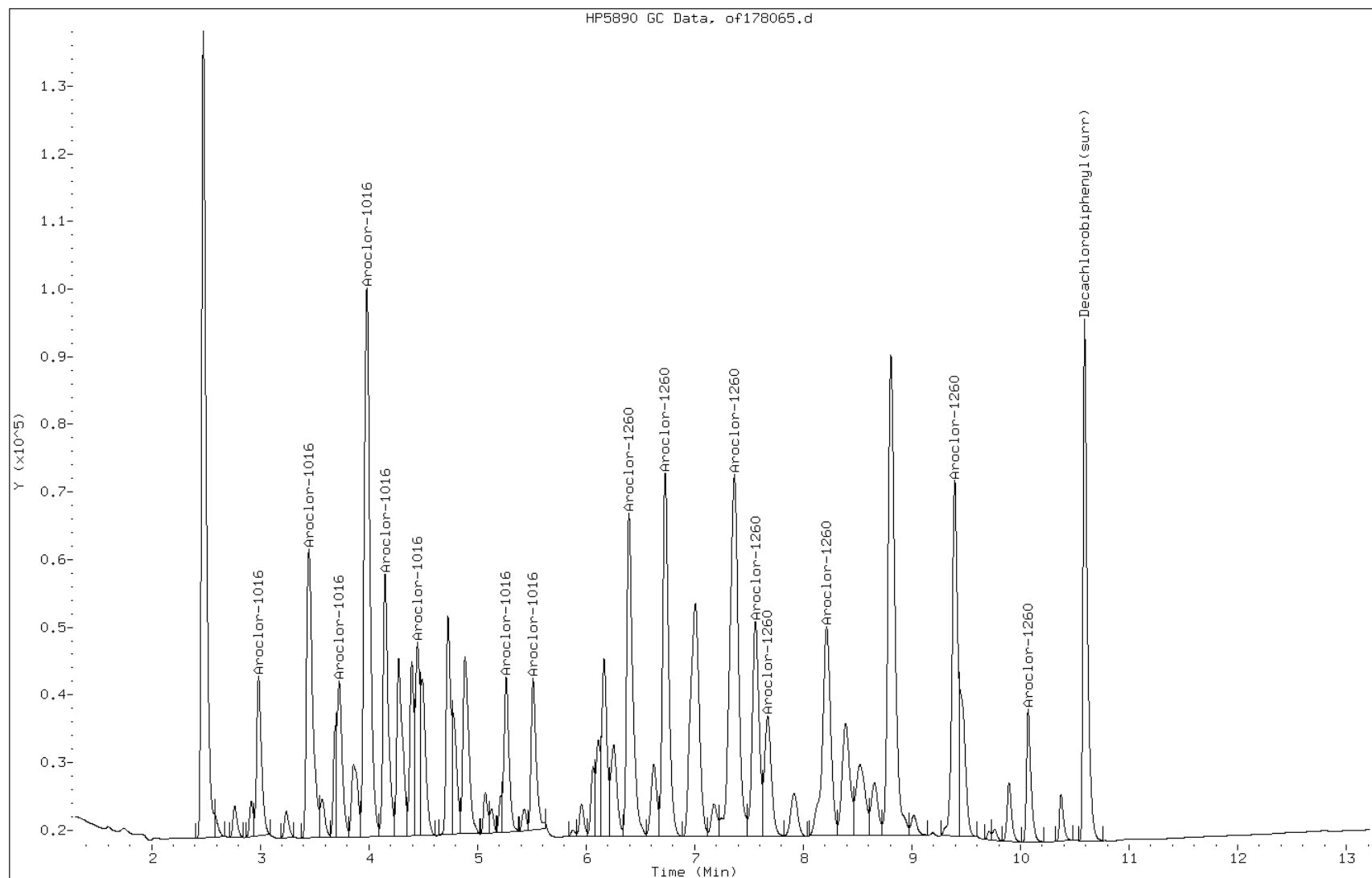
Date: 28-SEP-2011 11:49

Client ID:

Instrument: PESTGC7.i

Sample Info: LCS 460-87509/2-A

Operator: 615



Manual Integration Report

Data File: of178065.d
Inj. Date and Time: 28-SEP-2011 11:49
Instrument ID: PESTGC7.i
Client ID:
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 09/29/2011

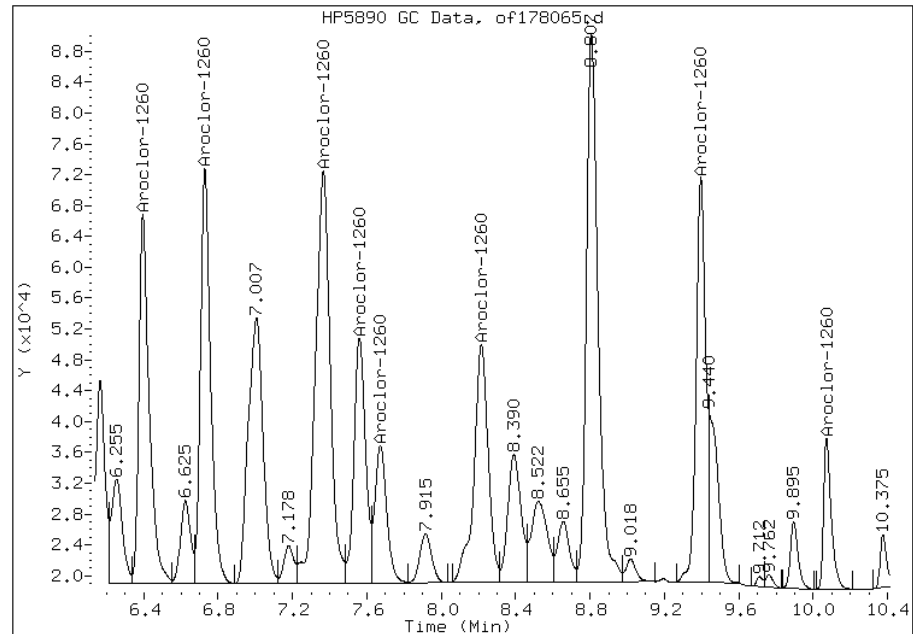
Processing Integration Results

Not Detected

Expected RT: 6.39

Manual Integration Results

RT: 6.39
Response: 185505
Amount: 530.56
Conc: 350.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-87509/2-A
 Matrix: Solid Lab File ID: or178065.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3541 Date Extracted: 09/28/2011 03:42
 Sample wt/vol: 15.00(g) Date Analyzed: 09/28/2011 11:49
 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.: 87694 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	411		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	377		67	7.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	127		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/or178065.d
Lab Smp Id: LCS 460-87509/2-A
Inj Date : 28-SEP-2011 11:49
Operator : 615
Smp Info : LCS 460-87509/2-A
Misc Info :
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/080r8082.m
Meth Date : 29-Sep-2011 09:33 shanthi Quant Type: ESTD
Cal Date : 23-SEP-2011 12:19 Cal File: or177939.d
Als bottle: 16 QC Sample: BS
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
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

			CONCENTRATIONS					
			ON-COL	FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.377	2.375	0.002	54283	576.686	380	80.00-	120.00	100.00(M)
2.707	2.703	0.004	95276	607.384	400	131.21-	196.82	175.52
2.900	2.897	0.003	66174	621.194	410	94.12-	141.18	121.91
3.163	3.162	0.001	203144	631.337	420	283.89-	425.84	374.23
3.307	3.305	0.002	79491	631.336	420	110.34-	165.50	146.44
3.370	3.367	0.003	53596	630.734	420	78.43-	117.65	98.73
3.520	3.518	0.002	91368	613.049	410	123.61-	185.41	168.32
3.748	3.745	0.003	81770	621.473	410	112.23-	168.35	150.64
Average of Peak Concentrations =					410			

27 Aroclor-1260					CAS #: 11096-82-5			
5.172	5.168	0.004	108122	591.549	390	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)									
5.515	5.512	0.003	191447	573.820	380	143.38-	215.07	177.07	
5.862	5.858	0.004	177664	561.489	370	138.64-	207.95	164.32	
6.008	6.005	0.003	83275	560.637	370	64.81-	97.21	77.02	
6.337	6.333	0.004	89366	551.543	370	71.55-	107.33	82.65	
7.307	7.303	0.004	111922	563.431	380	88.29-	132.43	103.51	
7.470	7.468	0.002	56417	567.647	380	45.31-	67.97	52.18	
8.692	8.688	0.004	53292	552.538	370	45.57-	68.35	49.29	
Average of Peak Concentrations =					380				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.453	9.450	0.003	191521	63.3129	42	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: or178065.d

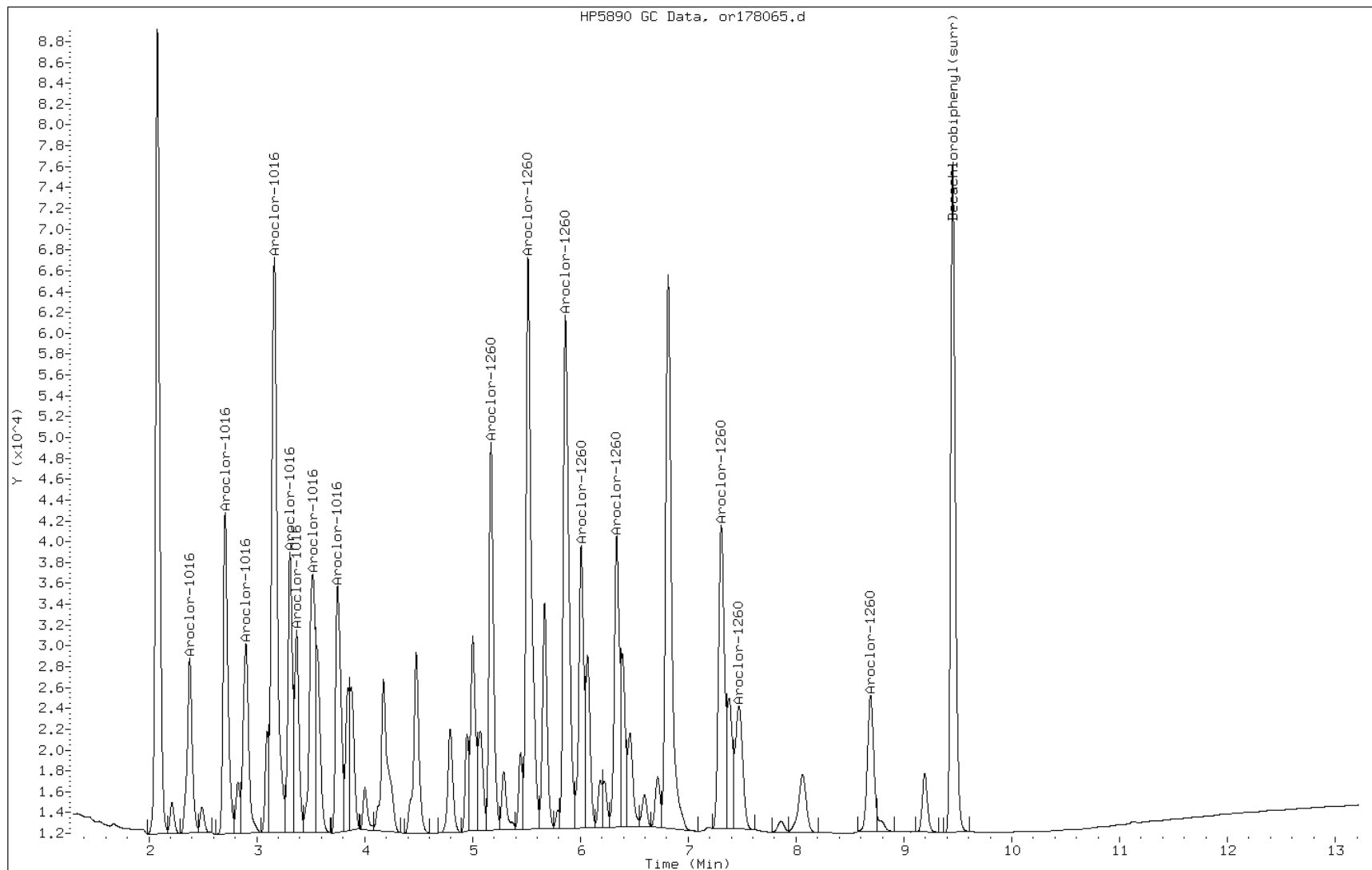
Date: 28-SEP-2011 11:49

Client ID:

Instrument: PESTGC7.i

Sample Info: LCS 460-87509/2-A

Operator: 615



Manual Integration Report

Data File: or178065.d
Inj. Date and Time: 28-SEP-2011 11:49
Instrument ID: PESTGC7.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 09/29/2011

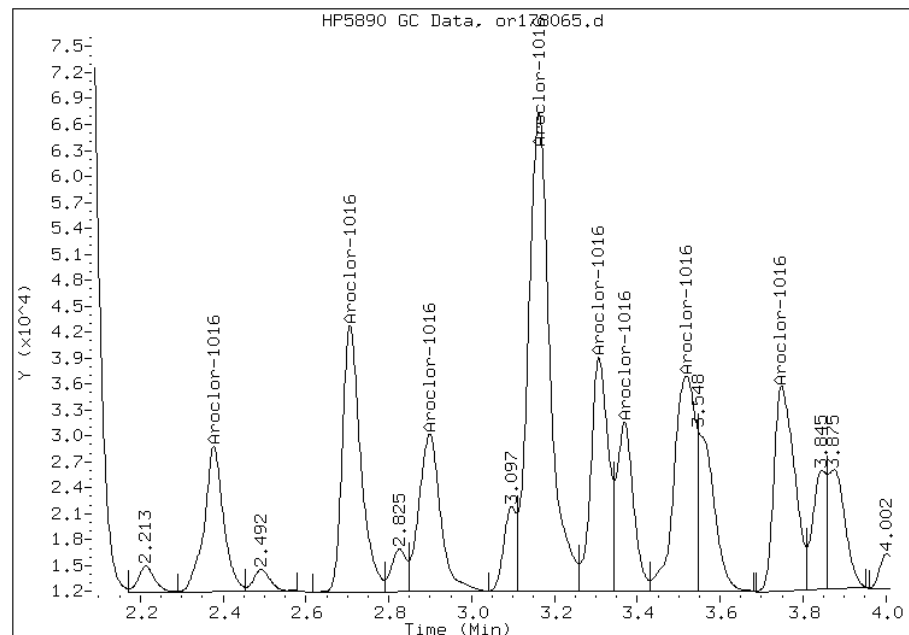
Processing Integration Results

Not Detected

Expected RT: 2.38

Manual Integration Results

RT: 2.38
Response: 54283
Amount: 616.65
Conc: 410.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: or178065.d
Inj. Date and Time: 28-SEP-2011 11:49
Instrument ID: PESTGC7.i
Client ID:
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 09/29/2011

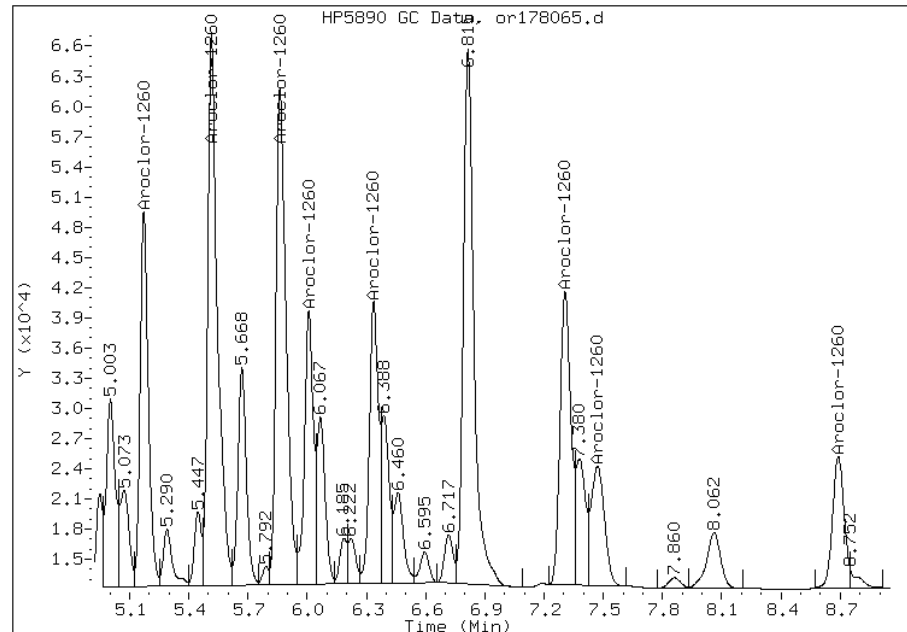
Processing Integration Results

Not Detected

Expected RT: 5.17

Manual Integration Results

RT: 5.17
Response: 108122
Amount: 565.33
Conc: 380.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: SO-17338-091511-MM-015 MS Lab Sample ID: 460-31328-5 MS
 Matrix: Solid Lab File ID: of178067.d
 Analysis Method: 8082 Date Collected: 09/15/2011 11:10
 Extraction Method: 3541 Date Extracted: 09/28/2011 03:42
 Sample wt/vol: 15.04(g) Date Analyzed: 09/28/2011 12:22
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: 13.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 87694 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	395		77	15
11104-28-2	PCB-1221	77	U	77	23
11141-16-5	PCB-1232	77	U	77	44
53469-21-9	PCB-1242	77	U	77	15
12672-29-6	PCB-1248	77	U	77	21
11097-69-1	PCB-1254	77	U	77	26
11096-82-5	PCB-1260	335		77	8.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	96		30-150

Data File: of178067.d
 Report Date: 29-Sep-2011 09:34

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/of178067.d
 Lab Smp Id: 460-31328-D-5-B MS Client Smp ID: SO-17338-091511-MM-
 Inj Date : 28-SEP-2011 12:22
 Operator : 615 Inst ID: PESTGC7.i
 Smp Info : 460-31328-D-5-B MS
 Misc Info : 460-31328-D-5-B MS
 Comment :
 Method : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/080f8082.m
 Meth Date : 29-Sep-2011 09:34 shanthi Quant Type: ESTD
 Cal Date : 23-SEP-2011 12:19 Cal File: of177939.d
 Als bottle: 18 QC Sample: MS
 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	15.04000	Weight of sample extracted (g)
M	13.60000	% Moisture

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RT	RESPONSE	(ug/L)	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====		=====	=====	=====	=====	=====
21 Aroclor-1016						CAS #: 12674-11-2		
2.985	2.985	0.000		67281	559.893	430	80.00- 120.00	100.00
3.448	3.448	0.000		142362	516.621	400	205.65- 308.47	211.59
3.727	3.727	0.000		65276	519.991	400	99.17- 148.75	97.02
3.983	3.983	0.000		258837	513.490	400	384.97- 577.45	384.71
4.150	4.150	0.000		109581	519.638	400	164.23- 246.34	162.87
4.448	4.448	0.000		68171	516.664	400	102.11- 153.17	101.32
5.265	5.265	0.000		60463	484.018	370	100.18- 150.28	89.87
5.513	5.512	0.001		54510	478.564	370	94.55- 141.82	81.02
Average of Peak Concentrations =						400		

27 Aroclor-1260						CAS #: 11096-82-5		
6.397	6.395	0.002		154850	460.048	350	80.00- 120.00	100.00(M)

Data File: of178067.d
 Report Date: 29-Sep-2011 09:34

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
6.730	6.730	0.000	173247	455.657	350	89.70-	134.55	111.88
7.368	7.367	0.001	247266	468.024	360	133.87-	200.81	159.68
7.562	7.560	0.002	110796	451.021	350	61.11-	91.67	71.55
7.675	7.673	0.002	62372	437.769	340	36.49-	54.73	40.28
8.217	8.217	0.000	132355	411.566	320	74.64-	111.95	85.47
9.397	9.395	0.002	157164	423.414	320	83.89-	125.83	101.49
10.072	10.070	0.002	45263	372.552	290	26.20-	39.31	29.23
Average of Peak Concentrations =					330			

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3			
10.590	10.590	0.000	172093	48.2153	37	80.00-	120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: of178067.d

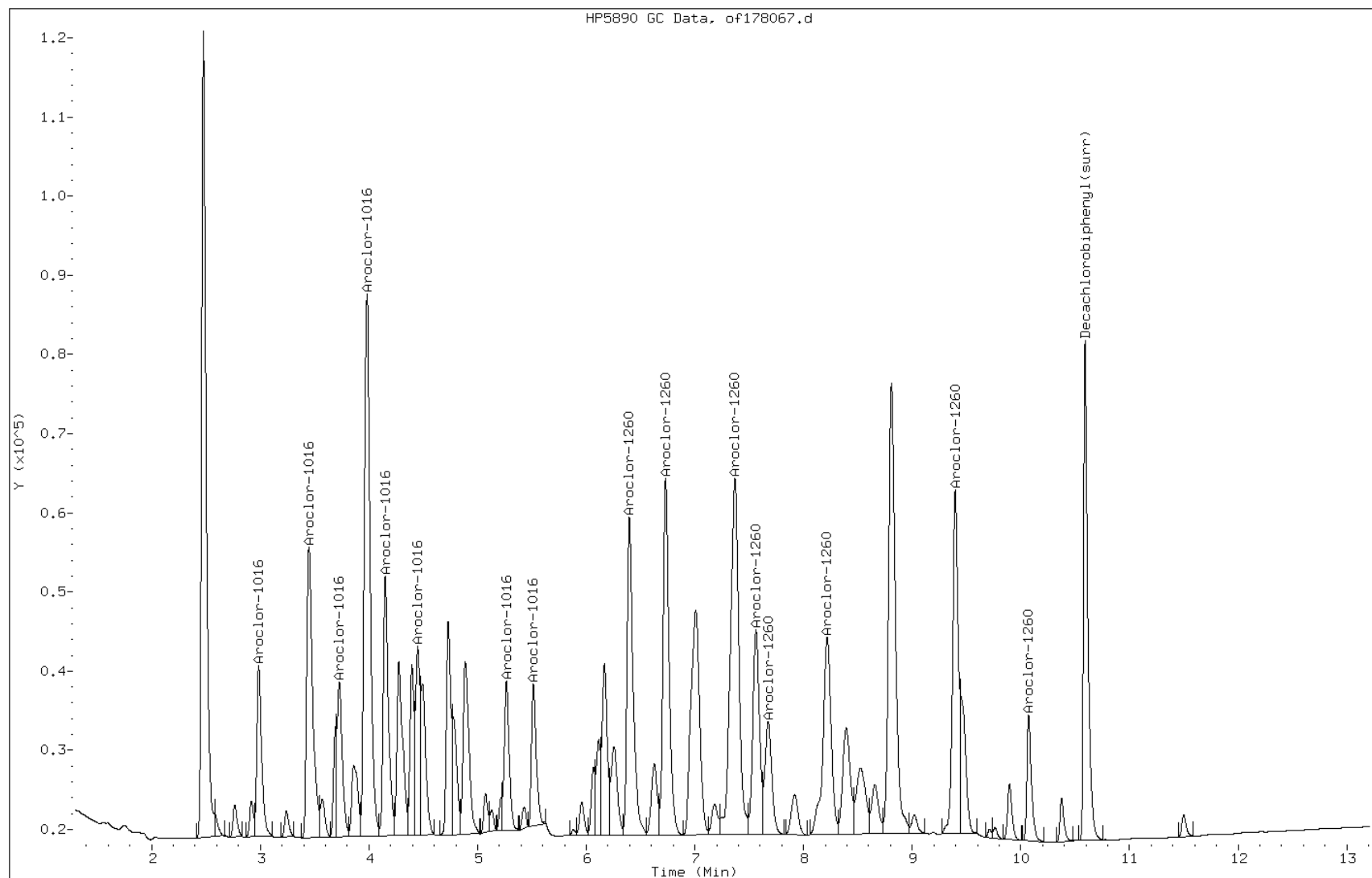
Date: 28-SEP-2011 12:22

Client ID: S0-17338-091511-MM-

Instrument: PESTGC7.i

Sample Info: 460-31328-D-5-B MS

Operator: 615



Manual Integration Report

Data File: of178067.d
Inj. Date and Time: 28-SEP-2011 12:22
Instrument ID: PESTGC7.i
Client ID: S0-17338-091511-MM-
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 09/29/2011

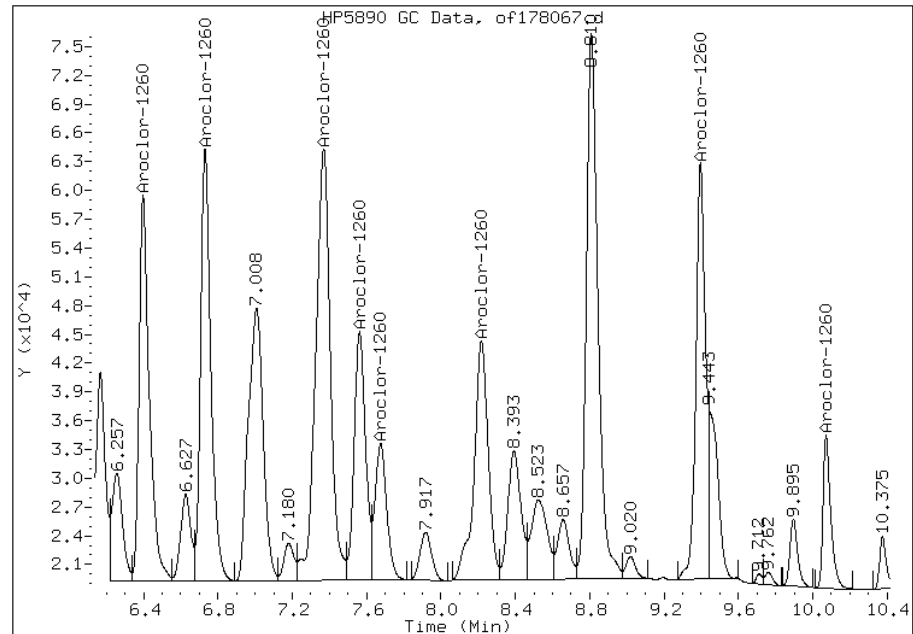
Processing Integration Results

Not Detected

Expected RT: 6.39

Manual Integration Results

RT: 6.40
Response: 154850
Amount: 435.01
Conc: 330.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: SO-17338-091511-MM-015 MS Lab Sample ID: 460-31328-5 MS
 Matrix: Solid Lab File ID: or178067.d
 Analysis Method: 8082 Date Collected: 09/15/2011 11:10
 Extraction Method: 3541 Date Extracted: 09/28/2011 03:42
 Sample wt/vol: 15.04(g) Date Analyzed: 09/28/2011 12:22
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 13.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 87694 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	408		77	15
11104-28-2	PCB-1221	77	U	77	23
11141-16-5	PCB-1232	77	U	77	44
53469-21-9	PCB-1242	77	U	77	15
12672-29-6	PCB-1248	77	U	77	21
11097-69-1	PCB-1254	77	U	77	26
11096-82-5	PCB-1260	357		77	8.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	106		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/or178067.d
Lab Smp Id: 460-31328-D-5-B MS Client Smp ID: S0-17338-091511-MM-
Inj Date : 28-SEP-2011 12:22
Operator : 615 Inst ID: PESTGC7.i
Smp Info : 460-31328-D-5-B MS
Misc Info : 460-31328-D-5-B MS
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/080r8082.m
Meth Date : 29-Sep-2011 09:33 shanthi Quant Type: ESTD
Cal Date : 23-SEP-2011 12:19 Cal File: or177939.d
Als bottle: 18 QC Sample: MS
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	15.04000	Weight of sample extracted (g)
M	13.60000	% 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			
2.378	2.375	0.003	49587 526.797	400	80.00- 120.00	100.00(M)
2.707	2.703	0.004	82202 524.037	400	131.21- 196.82	165.77
2.900	2.897	0.003	57004 535.113	410	94.12- 141.18	114.96
3.163	3.162	0.001	172464 535.989	410	283.89- 425.84	347.80
3.307	3.305	0.002	67137 533.218	410	110.34- 165.50	135.39
3.370	3.367	0.003	44952 529.009	410	78.43- 117.65	90.65
3.518	3.518	0.000	82863 555.984	430	123.61- 185.41	167.11
3.748	3.745	0.003	66289 503.813	390	112.23- 168.35	133.68
Average of Peak Concentrations =			410			
27 Aroclor-1260			CAS #: 11096-82-5			
5.172	5.168	0.004	90374 494.448	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)								
5.515	5.512	0.003	160799	481.959	370	143.38-	215.07	177.93
5.862	5.858	0.004	151875	479.986	370	138.64-	207.95	168.05
6.008	6.005	0.003	70192	472.557	360	64.81-	97.21	77.67
6.337	6.333	0.004	74867	462.059	360	71.55-	107.33	82.84
7.307	7.303	0.004	89668	451.401	350	88.29-	132.43	99.22
7.472	7.468	0.004	45217	454.957	350	45.31-	67.97	50.03
8.692	8.688	0.004	39606	410.640	320	45.57-	68.35	43.82
Average of Peak Concentrations =					360			

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3			
9.453	9.450	0.003	160087	52.9215	41	80.00-	120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: or178067.d

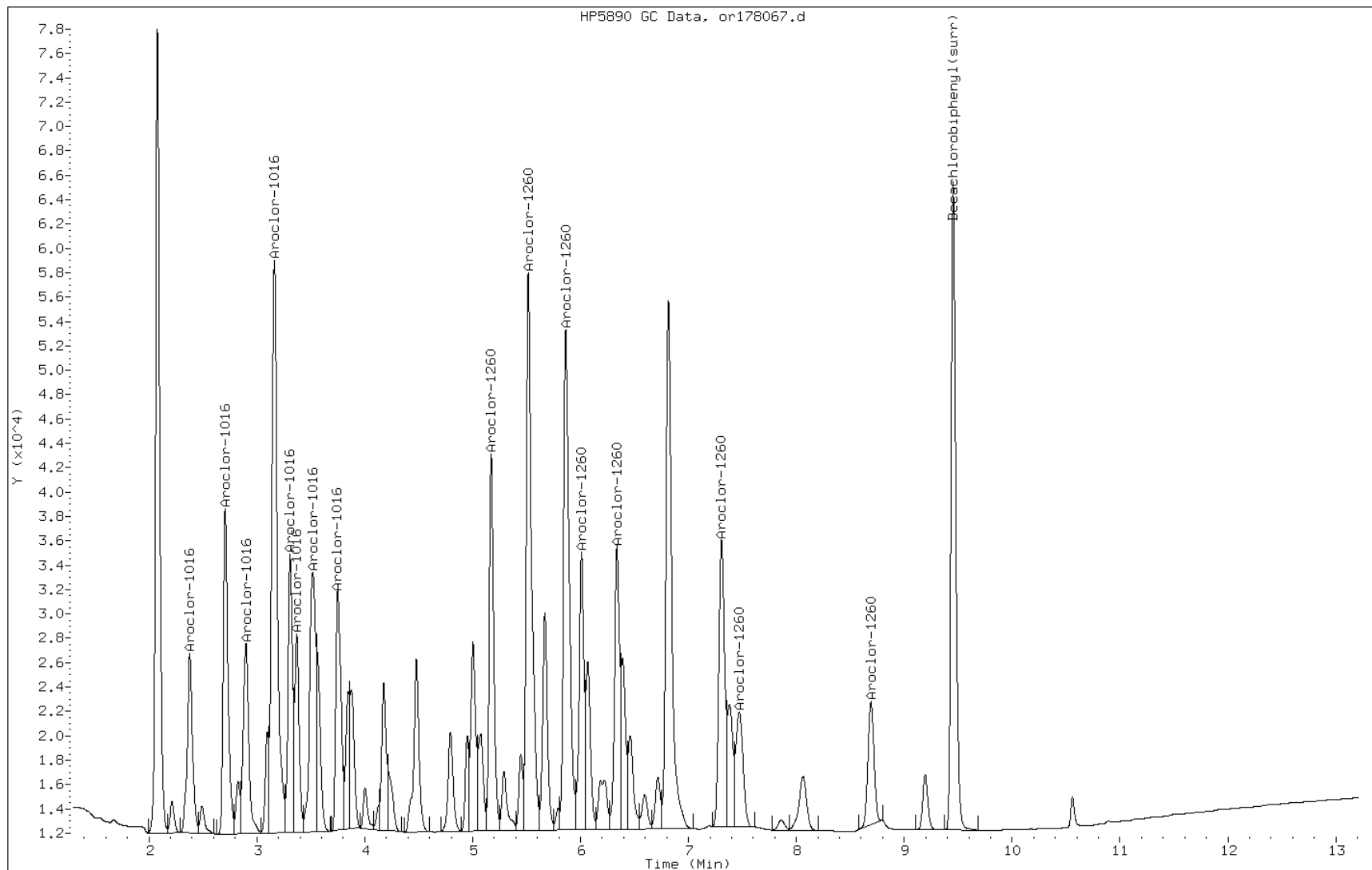
Date: 28-SEP-2011 12:22

Client ID: S0-17338-091511-MM-

Instrument: PESTGC7.i

Sample Info: 460-31328-D-5-B MS

Operator: 615



Manual Integration Report

Data File: or178067.d
Inj. Date and Time: 28-SEP-2011 12:22
Instrument ID: PESTGC7.i
Client ID: SO-17338-091511-MM-
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 09/29/2011

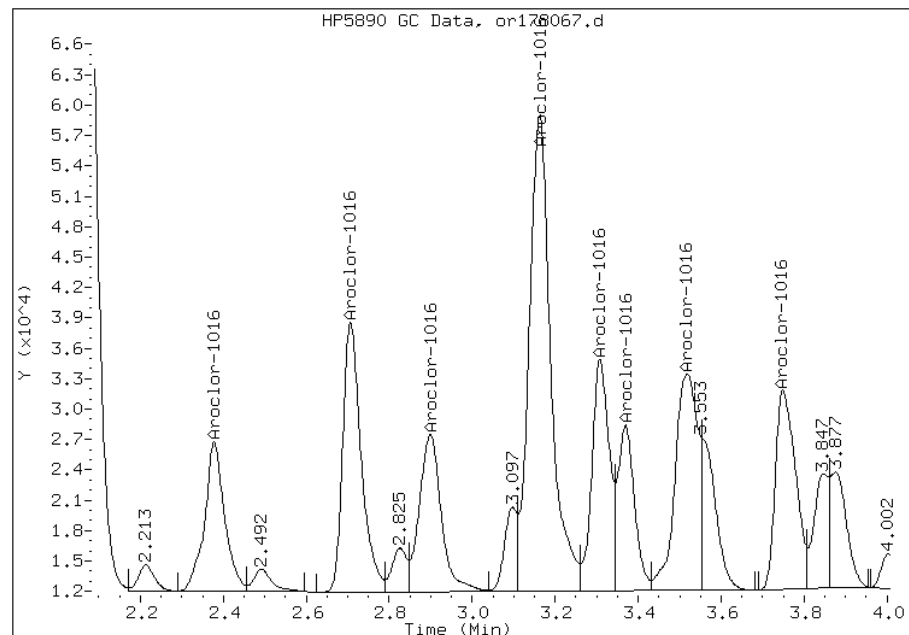
Processing Integration Results

Not Detected

Expected RT: 2.38

Manual Integration Results

RT: 2.38
Response: 49587
Amount: 530.50
Conc: 410.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: or178067.d
Inj. Date and Time: 28-SEP-2011 12:22
Instrument ID: PESTGC7.i
Client ID: S0-17338-091511-MM-
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 09/29/2011

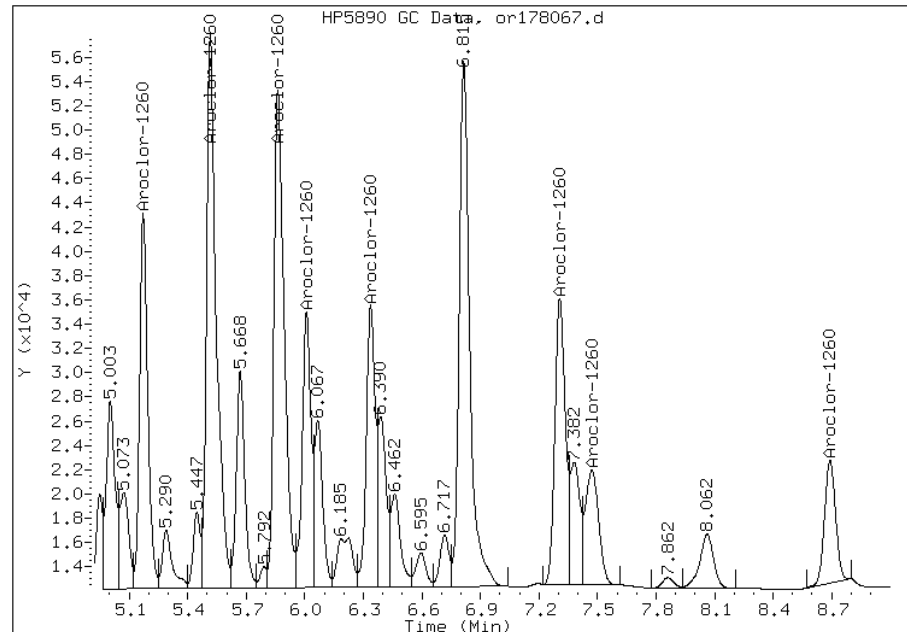
Processing Integration Results

Not Detected

Expected RT: 5.17

Manual Integration Results

RT: 5.17
Response: 90374
Amount: 463.50
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.: 460-31328-1
 SDG No.: _____
 Client Sample ID: SO-17338-091511-MM-015 Lab Sample ID: 460-31328-5 MSD
 Matrix: Solid Lab File ID: of178068.d
 Analysis Method: 8082 Date Collected: 09/15/2011 11:10
 Extraction Method: 3541 Date Extracted: 09/28/2011 03:42
 Sample wt/vol: 15.00(g) Date Analyzed: 09/28/2011 12:38
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: 13.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 87694 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	368		78	15
11104-28-2	PCB-1221	78	U	78	23
11141-16-5	PCB-1232	78	U	78	44
53469-21-9	PCB-1242	78	U	78	15
12672-29-6	PCB-1248	78	U	78	21
11097-69-1	PCB-1254	78	U	78	27
11096-82-5	PCB-1260	312		78	8.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		30-150

Data File: of178068.d
Report Date: 29-Sep-2011 09:35

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/of178068.d
Lab Smp Id: 460-31328-D-5-C MSD Client Smp ID: SO-17338-091511-MM-
Inj Date : 28-SEP-2011 12:38
Operator : 615 Inst ID: PESTGC7.i
Smp Info : 460-31328-D-5-C MSD
Misc Info : 460-31328-D-5-C MSD
Comment :
Method : /chem1/PESTGC7.i/8082/front/Sep11/09-28-11/28sep11b.b/080f8082.m
Meth Date : 29-Sep-2011 09:34 shanthi Quant Type: ESTD
Cal Date : 23-SEP-2011 12:19 Cal File: of177939.d
Als bottle: 19 QC Sample: MSD
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	15.00000	Weight of sample extracted (g)
M	13.60000	% 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			
2.983	2.985	-0.002	62535	520.399	400	80.00-	120.00	100.00(M)
3.445	3.448	-0.003	132223	479.827	370	205.65-	308.47	211.44
3.725	3.727	-0.002	59621	474.943	370	99.17-	148.75	95.34
3.980	3.983	-0.003	243830	483.719	370	384.97-	577.45	389.91
4.147	4.150	-0.003	102305	485.135	370	164.23-	246.34	163.60
4.447	4.448	-0.001	61854	468.788	360	102.11-	153.17	98.91
5.263	5.265	-0.002	56134	449.363	350	100.18-	150.28	89.76
5.510	5.512	-0.002	51599	453.007	350	94.55-	141.82	82.51
Average of Peak Concentrations =					370			

27 Aroclor-1260					CAS #: 11096-82-5			
6.395	6.395	0.000	142780	424.189	330	80.00-	120.00	100.00(M)

Data File: of178068.d
 Report Date: 29-Sep-2011 09:35

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
6.727	6.730	-0.003	161867	425.726	330	89.70-	134.55	113.37
7.365	7.367	-0.002	229104	433.647	330	133.87-	200.81	160.46
7.558	7.560	-0.002	103226	420.205	320	61.11-	91.67	72.30
7.672	7.673	-0.001	57906	406.424	310	36.49-	54.73	40.56
8.213	8.217	-0.004	123063	382.672	300	74.64-	111.95	86.19
9.395	9.395	0.000	146416	394.458	300	83.89-	125.83	102.55
10.070	10.070	0.000	42456	349.448	270	26.20-	39.31	29.74
Average of Peak Concentrations =					310			

\$ 30 Decachlorobiphenyl(surr)					CAS #:	2051-24-3		
10.590	10.590	0.000	159308	44.6333	34	80.00-	120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: of178068.d

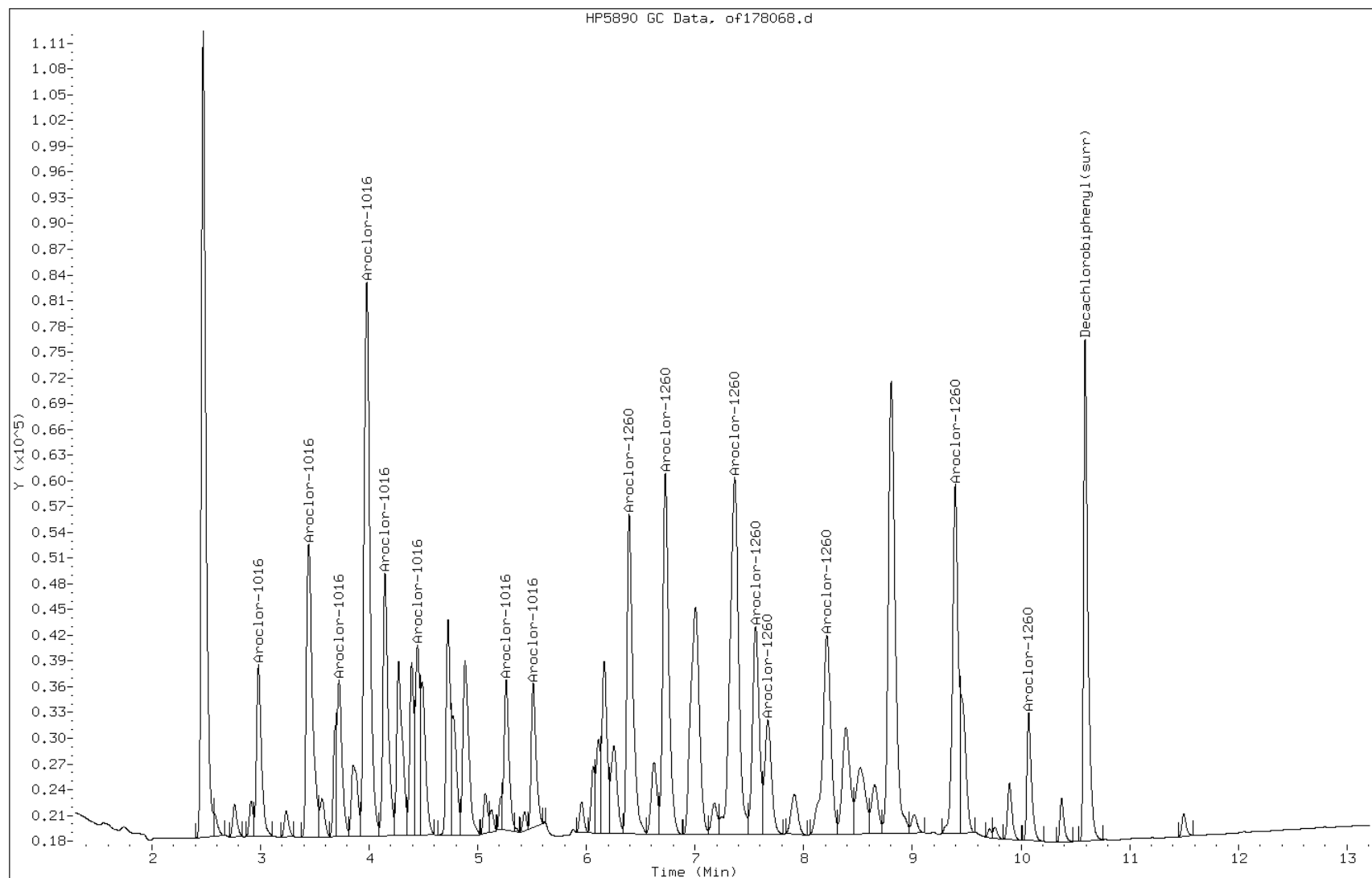
Date: 28-SEP-2011 12:38

Client ID: S0-17338-091511-MM-

Instrument: PESTGC7.i

Sample Info: 460-31328-D-5-C MSD

Operator: 615



Manual Integration Report

Data File: of178068.d
Inj. Date and Time: 28-SEP-2011 12:38
Instrument ID: PESTGC7.i
Client ID: SO-17338-091511-MM-
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 09/29/2011

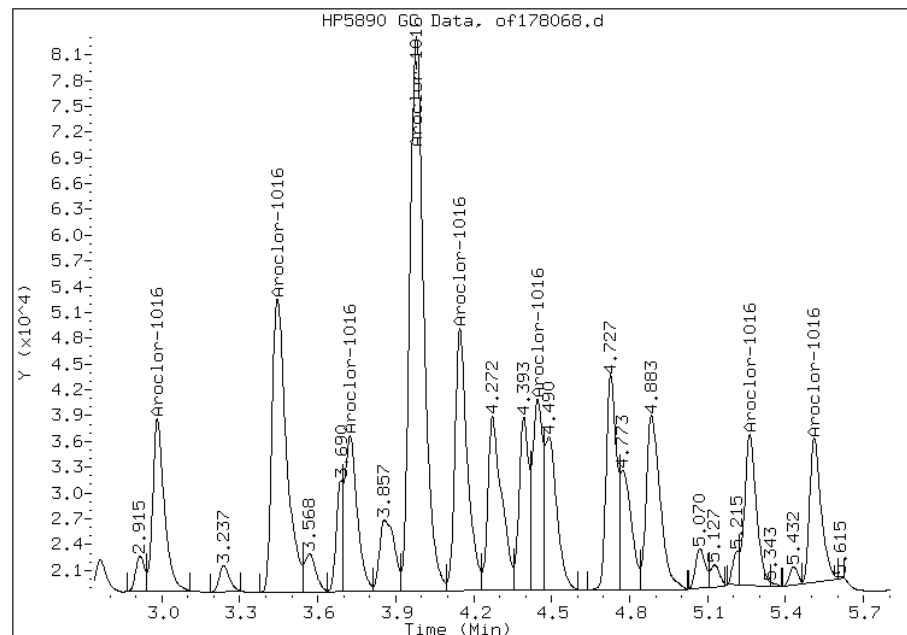
Processing Integration Results

Not Detected

Expected RT: 2.98

Manual Integration Results

RT: 2.98
Response: 62535
Amount: 476.90
Conc: 370.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: of178068.d
Inj. Date and Time: 28-SEP-2011 12:38
Instrument ID: PESTGC7.i
Client ID: S0-17338-091511-MM-
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 09/29/2011

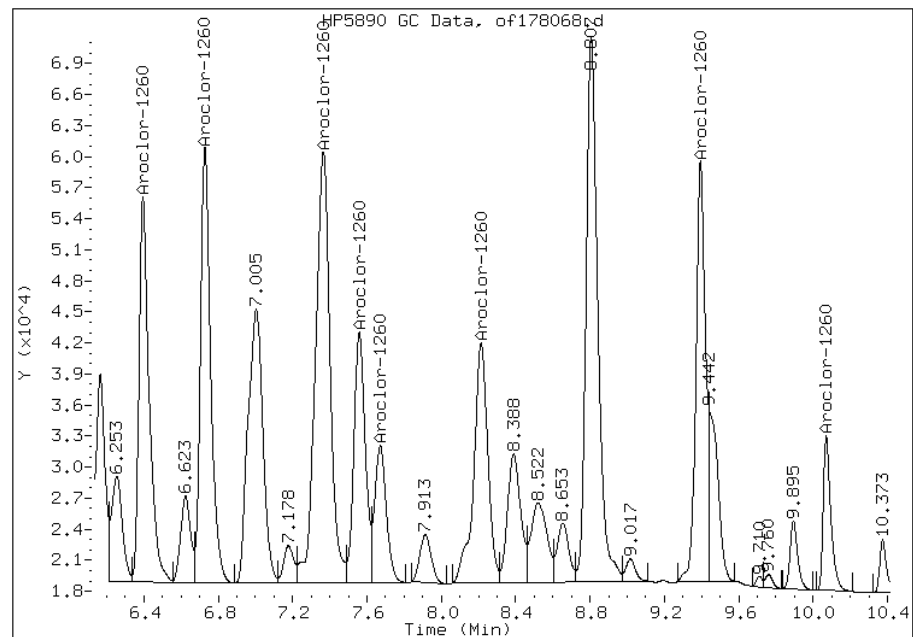
Processing Integration Results

Not Detected

Expected RT: 6.39

Manual Integration Results

RT: 6.39
Response: 142780
Amount: 404.60
Conc: 310.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Client Sample ID: SO-17338-091511-MM-015 Lab Sample ID: 460-31328-5 MSD
 Matrix: Solid Lab File ID: or178068.d
 Analysis Method: 8082 Date Collected: 09/15/2011 11:10
 Extraction Method: 3541 Date Extracted: 09/28/2011 03:42
 Sample wt/vol: 15.00(g) Date Analyzed: 09/28/2011 12:38
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 13.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 87694 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	376		78	15
11104-28-2	PCB-1221	78	U	78	23
11141-16-5	PCB-1232	78	U	78	44
53469-21-9	PCB-1242	78	U	78	15
12672-29-6	PCB-1248	78	U	78	21
11097-69-1	PCB-1254	78	U	78	27
11096-82-5	PCB-1260	340		78	8.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	99		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/or178068.d
Lab Smp Id: 460-31328-D-5-C MSD Client Smp ID: S0-17338-091511-MM-
Inj Date : 28-SEP-2011 12:38
Operator : 615 Inst ID: PESTGC7.i
Smp Info : 460-31328-D-5-C MSD
Misc Info : 460-31328-D-5-C MSD
Comment :
Method : /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b/080r8082.m
Meth Date : 29-Sep-2011 09:33 shanthi Quant Type: ESTD
Cal Date : 23-SEP-2011 12:19 Cal File: or177939.d
Als bottle: 19 QC Sample: MSD
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	15.00000	Weight of sample extracted (g)
M	13.60000	% 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			
2.378	2.375	0.003	45424	482.571	370	80.00-	120.00	100.00(M)
2.707	2.703	0.004	76507	487.732	380	131.21-	196.82	168.43
2.900	2.897	0.003	52144	489.491	380	94.12-	141.18	114.79
3.163	3.162	0.001	162752	505.806	390	283.89-	425.84	358.30
3.307	3.305	0.002	62281	494.650	380	110.34-	165.50	137.11
3.370	3.367	0.003	41454	487.843	380	78.43-	117.65	91.26
3.522	3.518	0.004	71054	476.749	370	123.61-	185.41	156.42
3.748	3.745	0.003	62419	474.400	370	112.23-	168.35	137.41
Average of Peak Concentrations =					380			

27 Aroclor-1260					CAS #: 11096-82-5			
5.172	5.168	0.004	84069	459.952	350	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)									
5.515	5.512	0.003	150470	451.000	350	143.38-	215.07	178.98	
5.862	5.858	0.004	141469	447.099	340	138.64-	207.95	168.28	
6.008	6.005	0.003	65406	440.336	340	64.81-	97.21	77.80	
6.337	6.333	0.004	70876	437.428	340	71.55-	107.33	84.31	
7.305	7.303	0.002	84029	423.013	330	88.29-	132.43	99.95	
7.470	7.468	0.002	41392	416.471	320	45.31-	67.97	49.24	
8.690	8.688	0.002	43176	447.654	340	45.57-	68.35	51.36	
Average of Peak Concentrations =					340				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.453	9.450	0.003	149963	49.5747	38	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: or178068.d

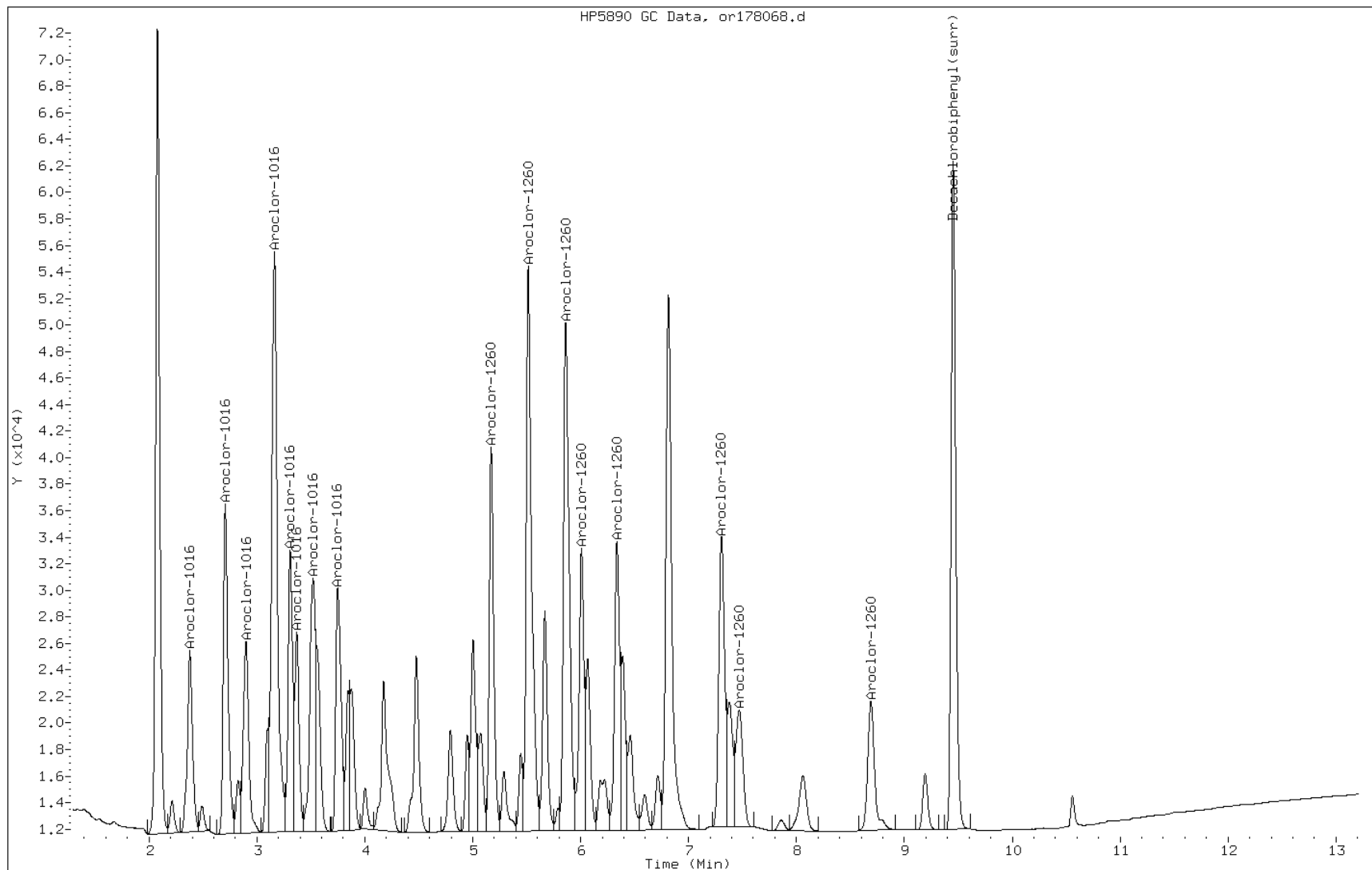
Date: 28-SEP-2011 12:38

Client ID: SO-17338-091511-MM-

Instrument: PESTGC7.i

Sample Info: 460-31328-D-5-C MSD

Operator: 615



Manual Integration Report

Data File: or178068.d
Inj. Date and Time: 28-SEP-2011 12:38
Instrument ID: PESTGC7.i
Client ID: SO-17338-091511-MM-
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 09/29/2011

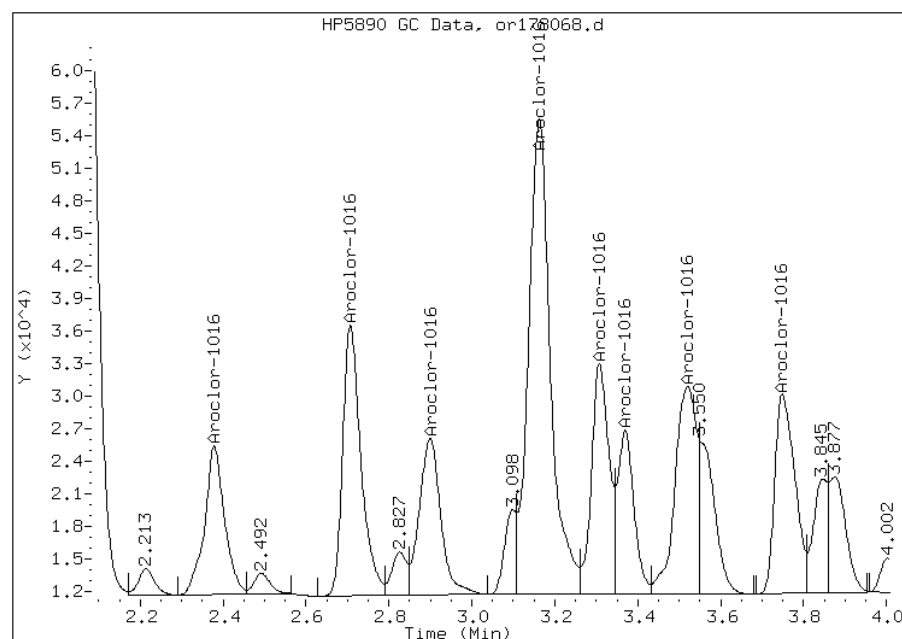
Processing Integration Results

Not Detected

Expected RT: 2.38

Manual Integration Results

RT: 2.38
Response: 45424
Amount: 487.41
Conc: 380.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: or178068.d
Inj. Date and Time: 28-SEP-2011 12:38
Instrument ID: PESTGC7.i
Client ID: S0-17338-091511-MM-
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 09/29/2011

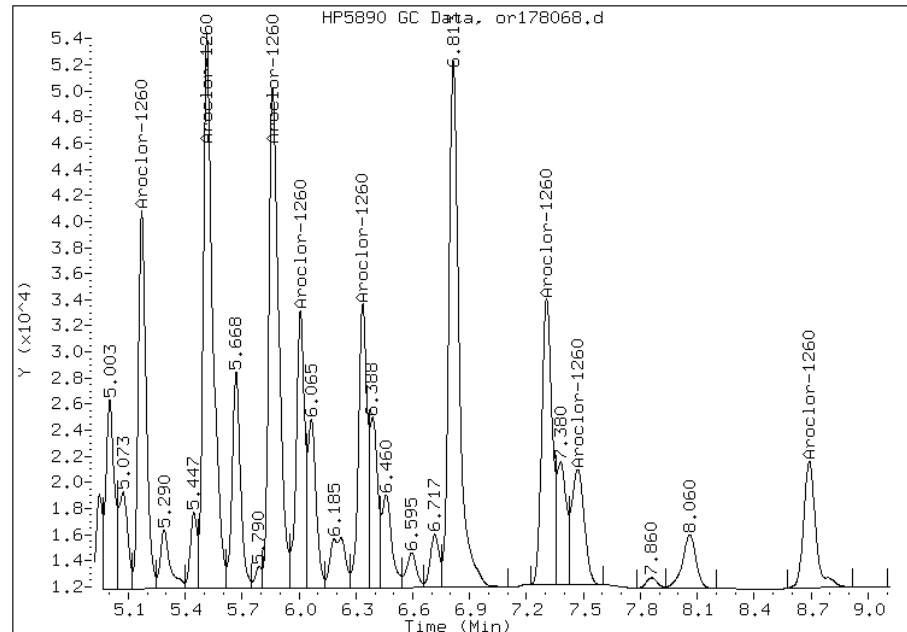
Processing Integration Results

Not Detected

Expected RT: 5.17

Manual Integration Results

RT: 5.17
Response: 84069
Amount: 440.37
Conc: 340.00



Manually Integrated By: shanthi
Manual Integration Reason: Baseline Event

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: PESTGC7 Start Date: 09/23/2011 07:56Analysis Batch Number: 87132 End Date: 09/23/2011 12:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RINSE 460-87132/1		09/23/2011 07:56	1		CLP-2 0.53 (mm)
RINSE 460-87132/1		09/23/2011 07:56	1		CLP-1 0.53 (mm)
RINSE 460-87132/2		09/23/2011 08:12	1		CLP-2 0.53 (mm)
RINSE 460-87132/2		09/23/2011 08:12	1		CLP-1 0.53 (mm)
ZZZZZ		09/23/2011 08:29	1		CLP-2 0.53 (mm)
ZZZZZ		09/23/2011 08:29	1		CLP-1 0.53 (mm)
ZZZZZ		09/23/2011 08:45	1		CLP-2 0.53 (mm)
ZZZZZ		09/23/2011 08:45	1		CLP-1 0.53 (mm)
ZZZZZ		09/23/2011 09:02	1		CLP-2 0.53 (mm)
ZZZZZ		09/23/2011 09:02	1		CLP-1 0.53 (mm)
IC 460-87132/6		09/23/2011 09:19	1	of177928.d	CLP-2 0.53 (mm)
IC 460-87132/6		09/23/2011 09:19	1	or177928.d	CLP-1 0.53 (mm)
IC 460-87132/7		09/23/2011 09:35	1	of177929.d	CLP-2 0.53 (mm)
IC 460-87132/7		09/23/2011 09:35	1	or177929.d	CLP-1 0.53 (mm)
IC 460-87132/8		09/23/2011 09:52	1	of177930.d	CLP-2 0.53 (mm)
IC 460-87132/8		09/23/2011 09:52	1	or177930.d	CLP-1 0.53 (mm)
IC 460-87132/9		09/23/2011 10:08	1	of177931.d	CLP-2 0.53 (mm)
IC 460-87132/9		09/23/2011 10:08	1	or177931.d	CLP-1 0.53 (mm)
IC 460-87132/10		09/23/2011 10:24	1	of177932.d	CLP-2 0.53 (mm)
IC 460-87132/10		09/23/2011 10:24	1	or177932.d	CLP-1 0.53 (mm)
IC 460-87132/11		09/23/2011 10:41	1	of177933.d	CLP-2 0.53 (mm)
IC 460-87132/11		09/23/2011 10:41	1	or177933.d	CLP-1 0.53 (mm)
IC 460-87132/12		09/23/2011 10:57	1	of177934.d	CLP-2 0.53 (mm)
IC 460-87132/12		09/23/2011 10:57	1	or177934.d	CLP-1 0.53 (mm)
IC 460-87132/13		09/23/2011 11:13	1	of177935.d	CLP-2 0.53 (mm)
IC 460-87132/13		09/23/2011 11:13	1	or177935.d	CLP-1 0.53 (mm)
IC 460-87132/14		09/23/2011 11:30	1	of177936.d	CLP-2 0.53 (mm)
IC 460-87132/14		09/23/2011 11:30	1	or177936.d	CLP-1 0.53 (mm)
IC 460-87132/15		09/23/2011 11:46	1	of177937.d	CLP-2 0.53 (mm)
IC 460-87132/15		09/23/2011 11:46	1	or177937.d	CLP-1 0.53 (mm)
IC 460-87132/16		09/23/2011 12:03	1		CLP-2 0.53 (mm)
IC 460-87132/16		09/23/2011 12:03	1		CLP-1 0.53 (mm)
IC 460-87132/17		09/23/2011 12:19	1		CLP-2 0.53 (mm)
IC 460-87132/17		09/23/2011 12:19	1		CLP-1 0.53 (mm)
ZZZZZ		09/23/2011 12:35	1		CLP-2 0.53 (mm)
ZZZZZ		09/23/2011 12:35	1		CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: PESTGC7 Start Date: 09/28/2011 11:00

Analysis Batch Number: 87694 End Date: 09/28/2011 16:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-87694/1		09/28/2011 11:00	1	of178062.d	CLP-2 0.53 (mm)
PIBLK 460-87694/1		09/28/2011 11:00	1	or178062.d	CLP-1 0.53 (mm)
CCVRT 460-87694/2		09/28/2011 11:17	1	of178063.d	CLP-2 0.53 (mm)
CCVRT 460-87694/2		09/28/2011 11:17	1	or178063.d	CLP-1 0.53 (mm)
MB 460-87509/1-A		09/28/2011 11:33	1	of178064.d	CLP-2 0.53 (mm)
MB 460-87509/1-A		09/28/2011 11:33	1	or178064.d	CLP-1 0.53 (mm)
LCS 460-87509/2-A		09/28/2011 11:49	1	of178065.d	CLP-2 0.53 (mm)
LCS 460-87509/2-A		09/28/2011 11:49	1	or178065.d	CLP-1 0.53 (mm)
460-31328-5	SO-17338-091511-MM-01 5	09/28/2011 12:06	1	of178066.d	CLP-2 0.53 (mm)
460-31328-5	SO-17338-091511-MM-01 5	09/28/2011 12:06	1	or178066.d	CLP-1 0.53 (mm)
460-31328-5 MS	SO-17338-091511-MM-01 5 MS	09/28/2011 12:22	1	of178067.d	CLP-2 0.53 (mm)
460-31328-5 MS	SO-17338-091511-MM-01 5 MS	09/28/2011 12:22	1	or178067.d	CLP-1 0.53 (mm)
460-31328-5 MSD	SO-17338-091511-MM-01 5 MSD	09/28/2011 12:38	1	of178068.d	CLP-2 0.53 (mm)
460-31328-5 MSD	SO-17338-091511-MM-01 5 MSD	09/28/2011 12:38	1	or178068.d	CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 12:55	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 12:55	1		CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 13:11	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 13:11	1		CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 13:27	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 13:27	1		CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 13:43	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 13:43	1		CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 14:00	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 14:00	1		CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 14:16	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 14:16	1		CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 14:33	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 14:33	1		CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 14:49	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 14:49	1		CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 15:06	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 15:06	1		CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 15:22	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 15:22	1		CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 15:39	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 15:39	1		CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 15:56	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 15:56	1		CLP-1 0.53 (mm)
ZZZZZ		09/28/2011 16:12	1		CLP-2 0.53 (mm)
ZZZZZ		09/28/2011 16:12	1		CLP-1 0.53 (mm)
PIBLK 460-87694/21		09/28/2011 16:29	1	of178082.d	CLP-2 0.53 (mm)
PIBLK 460-87694/21		09/28/2011 16:29	1	or178082.d	CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: PESTGC7 Start Date: 09/28/2011 11:00Analysis Batch Number: 87694 End Date: 09/28/2011 16:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 460-87694/22		09/28/2011 16:45	1	of178083.d	CLP-2 0.53 (mm)
CCV 460-87694/22		09/28/2011 16:45	1	or178083.d	CLP-1 0.53 (mm)

Instrument ID: PESTGC7.i
Analytical Batch: /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11a1cal/23sep11a.b

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Date Generated: 09/23/2011
Page 1

Tals Batcher: 87132

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
09/23/11 0756	or177923		rinse	23sep11a		15	10	1	SAMPLE	-	-
09/23/11 0812	or177924		rinse	23sep11a		15	10	1	SAMPLE	-	-
09/23/11 0829	or177925		SGPIBLK_00008	23sep11a		15	10	1	INSTBLANK	-	can
09/23/11 0845	or177926		SG1660L3_00013	23sep11a		15	10	1	SAMPLE	-	not used
09/23/11 0902	or177927		SG1660L1_00010	23sep11a		15	10	1	SAMPLE	-	not used
09/23/11 0919	or177928		IC-SG1660L1_00010			0	0	1	CALIB_1	-	up dated
09/23/11 0935	or177929		IC-SG1660L2_00010			0	0	1	CALIB_2	-	
09/23/11 0952	or177930		IC-SG1660L3_00013			0	0	1	CALIB_3	-	
09/23/11 1008	or177931		IC-SG1660L4_00010			0	0	1	CALIB_4	-	
09/23/11 1024	or177932		IC-SG1660L5_00010			0	0	1	CALIB_5	-	
09/23/11 1041	or177933		IC-SG1221L3_00012			0	0	1	CALIB_3	-	up dated
09/23/11 1057	or177934		IC-SG1232L3_00011			0	0	1	CALIB_3	-	
09/23/11 1113	or177935		IC-SG1242L3_00011			0	0	1	CALIB_3	-	
09/23/11 1130	or177936		IC-SG1248L3_00011			0	0	1	CALIB_3	-	

last fl
9-24-11

Done
9/23

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC7.i

Analytical Batch: /chem1/PESTGC7.i/8082/rear/Sep11/09-23-11a1cal/23sep11a.b

Date Generated: 09/23/2011

Page 2

Tals broken: 87132

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
09/23/11 1146	or177937		IC-SG1254L3_00011	-	-	0	0	1	CALIB_3	-	up dated
09/23/11 1203	or177938		IC-SG1262L3_00010	-	-	0	0	1	CALIB_3	-	
09/23/11 1219	or177939		IC-SG1268L3_00011	-	-	0	0	1	CALIB_3	-	
09/23/11 1235	or177940		SGPCBICV_00008	-	-	1000	5	1	BS	-	a

Signed: Lo. Smith Read and Understood by: Paul

Date: 9-24-11

Date: 9/23/11

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGCT.1
Analytical Batch: /chem1/PESTGCT.1/8082/rear/Sep11/09-28-11/28sep11b.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
09/28/11 1100	09178062		SGPIBLK_00008	28sep11b		15	10	1	INSTBLANK	-	QND
09/28/11 1117	09178063		CCVRTSG166013_00013			0	0	1	CCALIB_3	-	QND
09/28/11 1133	09178064		MB 460-87509/1-A	28sep11b		15	10	1	BLANK	-	QND
09/28/11 1149	09178065		LCS 460-87509/2-A			15	10	1	BS	-	QND
09/28/11 1206	09178066		460-31328-D-5-D	460-87509	09/28/11 15.0	15.0	10	1	SAMPLE	-	QND
09/28/11 1222	09178067		460-31328-D-5-B MS	460-87509	09/28/11 15.0	15.0	10	1	MS	-	QND
09/28/11 1238	09178068		460-31328-D-5-C MSD	460-87509	09/28/11 15	15	10	1	MSD	-	QND
09/28/11 1255	09178069		460-31636-A-1-B	460-87509	09/28/11 15	15	10	1	SAMPLE	-	QND
09/28/11 1311	09178070		460-31636-A-2-B	460-87509	09/28/11 15.0	15.0	10	1	SAMPLE	-	QND
09/28/11 1327	09178071		460-31636-A-3-B	460-87509	09/28/11 15.0	15.0	10	1	SAMPLE	-	QND
09/28/11 1343	09178072		460-31636-A-4-B	460-87509	09/28/11 15.0	15.0	10	1	SAMPLE	-	QND
09/28/11 1400	09178073		460-31636-A-5-B	460-87509	09/28/11 15.0	15.0	10	1	SAMPLE	-	QND
09/28/11 1416	09178074		460-31636-A-6-B	460-87509	09/28/11 15.0	15.0	10	1	SAMPLE	-	QND
09/28/11 1433	09178075		460-31469-D-11-B	460-87509	09/28/11 15.0	15.0	10	1	SAMPLE	-	QND

Talks Rater: 87694

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC7.i
Analytical Batch: /chem1/PESTGC7.i/8082/rear/Sep11/09-28-11/28sep11b.b

Date Generated: 09/29/2011
Page 2

Tally Batch: 87694

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL	SampleType	LOT	COMMENTS
09/28/11 1449	or178076		460-31548-E-1-F	460-87509	09/28/11	15.1	10	1	SAMPLE	-	Q220
09/28/11 1506	or178077		460-31548-E-2-D	460-87509	09/28/11	15.0	10	1	SAMPLE	-	Q220
09/28/11 1522	or178078		460-31625-A-1-G	460-87509	09/28/11	15.0	10	1	SAMPLE	-	Q1260
09/28/11 1539	or178079		460-31625-A-2-E	460-87509	09/28/11	15.0	10	1	SAMPLE	-	Q220
09/28/11 1556	or178080		460-31627-F-1-B	460-87509	09/28/11	15.1	10	1	SAMPLE	-	Q1254
09/28/11 1612	or178081		460-31634-A-1-B	460-87509	09/28/11	15	10	1	SAMPLE	-	Q220 (CHL)
09/28/11 1629	or178082		SGPIBLK_00008	28sep11b		15	10	1	INSTBLANK	-	Q220
09/28/11 1645	or178083		CCV-SG1660L3_00013		-	0	0	1	CCALIB_3	-	Q220

Signed: kgu H Read and Understood by: _____

Date: 9-29-11 Date: _____

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Batch Number: 87509 Batch Start Date: 09/28/11 03:42 Batch Analyst: Alinea, Archilles RBatch Method: 3541 Batch End Date: 09/28/11 09:37

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SoxThermPosition	OP_PCBSP 00017	OPPSTPCBSU 00018	
MB 460-87509/1		3541, 8082		15.00 g	10 mL	73		50 uL	
LCS 460-87509/2		3541, 8082		15.00 g	10 mL	74	50 uL	50 uL	
460-31328-D-5 MS	SO-17338-091511-MM-015	3541, 8082	T	15.04 g	10 mL	75	50 uL	50 uL	
460-31328-D-5 MSD	SO-17338-091511-MM-015	3541, 8082	T	15.00 g	10 mL	76	50 uL	50 uL	
460-31328-D-5	SO-17338-091511-MM-015	3541, 8082	T	15.04 g	10 mL	77		50 uL	

Batch Notes	
Acid used for Clean Up Reagent	k03051
Balance ID	30
Batch Comment	pcb-soil
Boiling Chips ID	10013
Person's name who did the concentration	archie
First End time	9:37am
Vendor lot number	j44e39
Na2SO4 Lot Number	kk04600
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	3:42am
TBA Lot #	op201

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-31328-1

SDG No.: _____

Project: Former GM

Client Sample ID

SO-17338-091511-MM-015

SO-17338-091511-MM-017

Lab Sample ID

460-31328-5

460-31328-7

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-091511-MM-015

Lab Sample ID: 460-31328-5

Lab Name: TestAmerica Edison

Job No.: 460-31328-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/15/2011 11:10

Reporting Basis: DRY

Date Received: 09/19/2011 15:00

% Solids: 86.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	19900	44.5	16.3	mg/Kg			4	6010B
7440-36-0	Antimony	2.2	2.2	0.98	mg/Kg	U		4	6010B
7440-38-2	Arsenic	3.5	1.1	0.77	mg/Kg			4	6010B
7440-39-3	Barium	107	44.5	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.49	0.45	0.20	mg/Kg			4	6010B
7440-43-9	Cadmium	1.1	1.1	0.17	mg/Kg	U		4	6010B
7440-70-2	Calcium	856	1110	29.3	mg/Kg	J		4	6010B
7440-47-3	Chromium	14.6	2.2	1.3	mg/Kg			4	6010B
7440-48-4	Cobalt	5.7	11.1	1.4	mg/Kg	J		4	6010B
7440-50-8	Copper	9.9	5.6	0.91	mg/Kg			4	6010B
7439-89-6	Iron	17500	33.4	11.8	mg/Kg			4	6010B
7439-92-1	Lead	23.4	1.1	0.56	mg/Kg			4	6010B
7439-95-4	Magnesium	957	1110	11.8	mg/Kg	J		4	6010B
7439-96-5	Manganese	145	3.3	1.3	mg/Kg			4	6010B
7440-02-0	Nickel	10.1	8.9	0.60	mg/Kg			4	6010B
7440-09-7	Potassium	497	1110	50.2	mg/Kg	J		4	6010B
7782-49-2	Selenium	2.2	2.2	1.0	mg/Kg	U		4	6010B
7440-22-4	Silver	2.2	2.2	0.17	mg/Kg	U		4	6010B
7440-23-5	Sodium	1110	1110	68.3	mg/Kg	U		4	6010B
7440-28-0	Thallium	2.2	2.2	1.1	mg/Kg	U		4	6010B
7440-62-2	Vanadium	31.1	11.1	0.58	mg/Kg			4	6010B
7440-66-6	Zinc	25.9	6.7	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.037	0.037	0.025	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-091511-MM-017

Lab Sample ID: 460-31328-7

Lab Name: TestAmerica Edison

Job No.: 460-31328-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/15/2011 13:15

Reporting Basis: DRY

Date Received: 09/19/2011 15:00

% Solids: 86.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	33100	43.9	16.1	mg/Kg			4	6010B
7440-36-0	Antimony	2.2	2.2	0.97	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.9	1.1	0.76	mg/Kg			4	6010B
7440-39-3	Barium	137	43.9	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.26	0.44	0.19	mg/Kg	J		4	6010B
7440-43-9	Cadmium	1.1	1.1	0.17	mg/Kg	U		4	6010B
7440-70-2	Calcium	499	1100	28.9	mg/Kg	J		4	6010B
7440-47-3	Chromium	136	2.2	1.3	mg/Kg			4	6010B
7440-48-4	Cobalt	4.9	11.0	1.3	mg/Kg	J		4	6010B
7440-50-8	Copper	21.1	5.5	0.90	mg/Kg			4	6010B
7439-89-6	Iron	13100	32.9	11.7	mg/Kg			4	6010B
7439-92-1	Lead	16.6	1.1	0.55	mg/Kg			4	6010B
7439-95-4	Magnesium	1420	1100	11.6	mg/Kg			4	6010B
7439-96-5	Manganese	68.5	3.3	1.2	mg/Kg			4	6010B
7440-02-0	Nickel	31.8	8.8	0.59	mg/Kg			4	6010B
7440-09-7	Potassium	496	1100	49.6	mg/Kg	J		4	6010B
7782-49-2	Selenium	2.2	2.2	1.0	mg/Kg	U		4	6010B
7440-22-4	Silver	2.2	2.2	0.17	mg/Kg	U		4	6010B
7440-23-5	Sodium	1100	1100	67.4	mg/Kg	U		4	6010B
7440-28-0	Thallium	2.2	2.2	1.1	mg/Kg	U		4	6010B
7440-62-2	Vanadium	70.7	11.0	0.57	mg/Kg			4	6010B
7440-66-6	Zinc	33.7	6.6	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.037	0.037	0.025	mg/Kg	U		1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00038 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00038

Analyte	ICV 460-87665/6 09/28/2011 20:01				CCV 460-87665/18 09/28/2011 20:46				CCV 460-87665/30 09/28/2011 21:30			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124100		125000	99	126000		125000	101	125700		125000	101
Antimony	1011		1000	101	1006		1000	101	1003		1000	100
Arsenic	2481		2500	99	2489		2500	100	2480		2500	99
Barium	10050		10000	101	10120		10000	101	10080		10000	101
Beryllium	990.5		1000	99	1008		1000	101	1001		1000	100
Cadmium	1261		1250	101	1270		1250	102	1261		1250	101
Calcium	126000		125000	101	127900		125000	102	127000		125000	102
Chromium	4993		5000	100	5055		5000	101	5028		5000	101
Cobalt	2496		2500	100	2508		2500	100	2500		2500	100
Copper	12400		12500	99	12610		12500	101	12520		12500	100
Iron	99630		100000	100	100600		100000	101	100000		100000	100
Lead	7538		7500	101	7596		7500	101	7558		7500	101
Magnesium	124200		125000	99	125900		125000	101	125000		125000	100
Manganese	5051		5000	101	5133		5000	103	5089		5000	102
Nickel	2532		2500	101	2542		2500	102	2529		2500	101
Potassium	49310		50000	99	50090		50000	100	49880		50000	100
Selenium	2446		2500	98	2455		2500	98	2429		2500	97
Silver	1229		1250	98	1243		1250	99	1239		1250	99
Sodium	122500		125000	98	124500		125000	100	124500		125000	100
Thallium	2556		2500	102	2554		2500	102	2550		2500	102
Vanadium	2465		2500	99	2492		2500	100	2481		2500	99
Zinc	2491		2500	100	2510		2500	100	2498		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.: 460-31328-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00325 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00325

Analyte	ICV 460-87023/7-A 09/22/2011 20:58				CCV 460-87023/8-A 09/22/2011 21:55				CCV 460-87023/8-A 09/22/2011 22:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	853.3		833	102	870.0		833	104	883.3		833	106

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.: 460-31328-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00325 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00325

Analyte	CCV 460-87023/8-A 09/22/2011 22:41											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	883.3		833	106								

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.: 460-31328-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00326 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00326

Analyte	ICV 460-87088/30-A 09/23/2011 14:41				CCV 460-87088/31-A 09/23/2011 15:00				CCV 460-87088/31-A 09/23/2011 15:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	853.3		833	102	856.7		833	103	858.3		833	103

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.: 460-31328-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00326 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00326

Analyte	CCV 460-87088/31-A 09/23/2011 16:00				CCV 460-87088/31-A 09/23/2011 16:09							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	865.0		833	104	848.3		833	102				

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.: 460-31328-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-87665/7 09/28/2011 20:04		CCB 460-87665/19 09/28/2011 20:50		CCB 460-87665/31 09/28/2011 21:34			
		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.: 460-31328-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-87040/8 09/22/2011 21:00		CCB 460-87040/39 09/22/2011 21:57		CCB 460-87040/51 09/22/2011 22:21		CCB 460-87040/63 09/22/2011 22:43	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-87150/8 09/23/2011 14:43		CCB 460-87150/18 09/23/2011 15:02		CCB 460-87150/28 09/23/2011 15:20		CCB 460-87150/50 09/23/2011 16:02	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-87150/55 09/23/2011 16:11							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-87517/1-A ^2
 Instrument Code: ICP4 Batch No.: 87665

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	2.5	U		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.: 460-31328-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 460-87024/10-A
Instrument Code: LEEMAN3 Batch No.: 87040

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.033	U		7471A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 460-87088/1-A
Instrument Code: LEEMAN3 Batch No.: 87150

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.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-87665/8 Instrument ID: ICP4
 Lab File ID: 09282011A.asc ICS Source: ME_ICSA_Duo_00034
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	511300	102
Antimony		-4.44	
Arsenic		1.21	
Barium		1.99	
Beryllium		-0.107	
Cadmium		-0.720	
Calcium	500000	467100	93
Chromium		-0.837	
Cobalt		0.112	
Copper		-1.59	
Iron	200000	200400	100
Lead		3.40	
Magnesium	500000	520500	104
Manganese		-0.280	
Nickel		0.0920	
Potassium		-56.9	
Selenium		1.10	
Silver		1.15	
Sodium		-102	
Thallium		-2.40	
Vanadium		-3.09	
Zinc		1.71	
<i>Boron</i>		<i>4.78</i>	
<i>Molybdenum</i>		<i>-1.52</i>	
<i>Strontium</i>		<i>-4.10</i>	
<i>Tin</i>		<i>-0.195</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.: 460-31328-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-87665/9 Instrument ID: ICP4
 Lab File ID: 09282011A.asc ICS Source: ME_ICSAB_DUO_00032
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	513800	103
Antimony	100	96.0	96
Arsenic	100	101	101
Barium	100	104	104
Beryllium	100	102	102
Cadmium	100	98.2	98
Calcium	500000	466400	93
Chromium	100	103	103
Cobalt	100	98.2	98
Copper	100	99.2	99
Iron	200000	202400	101
Lead	100	100	100
Magnesium	500000	522600	104
Manganese	100	104	104
Nickel	100	96.8	97
Potassium	10000	10700	107
Selenium	100	96.2	96
Silver	100	107	107
Sodium	10000	10530	105
Thallium	100	93.0	93
Vanadium	100	99.7	100
Zinc	100	99.1	99
<i>Boron</i>	<i>100</i>	<i>101</i>	<i>101</i>
<i>Molybdenum</i>	<i>100</i>	<i>95.5</i>	<i>95</i>
<i>Strontium</i>	<i>100</i>	<i>113</i>	<i>113</i>
<i>Tin</i>	<i>100</i>	<i>91.6</i>	<i>92</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: 460-31418-A-1-C MS
Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/Kg
% Solids: 89.7

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.204	0.037 U	0.186	110	75-125		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: 460-31616-F-1-D MS ^4
 Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 85.1

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	863.1	151	220	324	75-125	F	6010B
Antimony	49.90	2.2 U	54.9	91	75-125		6010B
Arsenic	205.3	0.83 J	220	93	75-125		6010B
Barium	225.0	43.1 U	220	102	75-125		6010B
Beryllium	5.45	0.43 U	5.49	99	75-125		6010B
Cadmium	5.53	1.1 U	5.49	101	75-125		6010B
Calcium	2296	1080 U	2200	105	75-125		6010B
Chromium	22.46	2.2 U	22.0	102	75-125		6010B
Cobalt	55.93	10.8 U	54.9	102	75-125		6010B
Copper	28.21	5.4 U	27.4	103	75-125		6010B
Iron	995.1	1080	110	-73	75-125	4	6010B
Lead	58.61	1.3	54.9	105	75-125		6010B
Magnesium	2158	1080 U	2200	98	75-125		6010B
Manganese	58.04	3.2 U	54.9	106	75-125		6010B
Nickel	57.07	8.6 U	54.9	104	75-125		6010B
Potassium	2167	1080 U	2200	99	75-125		6010B
Selenium	200.9	2.2 U	220	92	75-125		6010B
Silver	5.15	2.2 U	5.49	94	75-125		6010B
Sodium	2144	1080 U	2200	98	75-125		6010B
Thallium	237.7	2.2 U	220	108	75-125		6010B
Vanadium	53.85	10.8 U	54.9	98	75-125		6010B
Zinc	54.79	6.5 U	54.9	100	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: 460-31616-F-1-B PDS ^4
 Lab Name: TestAmerica Edison Job No.: 460-31328-1
 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	580.7	151	431	100	75-125		6010B
Antimony	102.2	2.2 U	108	95	75-125		6010B
Arsenic	413.3	0.83 J	431	96	75-125		6010B
Barium	439.4	43.1 U	431	102	75-125		6010B
Beryllium	10.83	0.43 U	10.8	100	75-125		6010B
Cadmium	11.00	1.1 U	10.8	102	75-125		6010B
Calcium	4521	1080 U	4310	105	75-125		6010B
Chromium	44.48	2.2 U	43.1	103	75-125		6010B
Cobalt	110.6	10.8 U	108	103	75-125		6010B
Copper	55.40	5.4 U	53.9	103	75-125		6010B
Iron	1285	1080	215	97	75-125		6010B
Lead	114.3	1.3	108	105	75-125		6010B
Magnesium	4262	1080 U	4310	99	75-125		6010B
Manganese	114.4	3.2 U	108	106	75-125		6010B
Nickel	112.6	8.6 U	108	104	75-125		6010B
Potassium	4245	1080 U	4310	99	75-125		6010B
Selenium	404.9	2.2 U	431	94	75-125		6010B
Silver	9.79	2.2 U	10.8	91	75-125		6010B
Sodium	4254	1080 U	4310	99	75-125		6010B
Thallium	459.4	2.2 U	431	107	75-125		6010B
Vanadium	107.9	10.8 U	108	100	75-125		6010B
Zinc	109.1	6.5 U	108	101	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: 460-31418-A-1-B DU
Lab Name: TestAmerica Edison Job No.: 460-31328-1
SDG No.: _____
% Solids for Sample: 89.7 % Solids for Duplicate: 89.7
Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.037	0.037 U	0.037 U	NC		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: 460-31616-F-1-C DU ^4
 Lab Name: TestAmerica Edison Job No.: 460-31328-1
 SDG No.: _____
 % Solids for Sample: 85.1 % Solids for Duplicate: 85.1
 Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	45.2	151	188.0	22		6010B
Antimony	2.3	2.2 U	2.3 U	NC		6010B
Arsenic	1.1	0.83 J	0.808 J	3		6010B
Barium	45.2	43.1 U	45.2 U	NC		6010B
Beryllium	0.45	0.43 U	0.45 U	NC		6010B
Cadmium	1.1	1.1 U	1.1 U	NC		6010B
Calcium	1130	1080 U	1130 U	NC		6010B
Chromium	2.3	2.2 U	2.3 U	NC		6010B
Cobalt	11.3	10.8 U	11.3 U	NC		6010B
Copper	5.6	5.4 U	1.07 J	NC		6010B
Iron	33.9	1080	1433	29	F	6010B
Lead	1.1	1.3	1.58	22		6010B
Magnesium	1130	1080 U	1130 U	NC		6010B
Manganese	3.4	3.2 U	3.4 U	NC		6010B
Nickel	9.0	8.6 U	9.0 U	NC		6010B
Potassium	1130	1080 U	53.87 J	NC		6010B
Selenium	2.3	2.2 U	2.3 U	NC		6010B
Silver	2.3	2.2 U	2.3 U	NC		6010B
Sodium	1130	1080 U	1130 U	NC		6010B
Thallium	2.3	2.2 U	2.3 U	NC		6010B
Vanadium	11.3	10.8 U	0.950 J	NC		6010B
Zinc	6.8	6.5 U	6.8 U	NC		6010B

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-87517/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-31328-1

Sample Matrix: Solid

LCS Source: ME_LCSS_62_00013

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	10500	7602		72	46.1	154		6010B
Antimony	67.4	165.6		246	32.0	353		6010B
Arsenic	104	99.64		96	69.7	131		6010B
Barium	198	192.4		97	73.2	126		6010B
Beryllium	77.6	77.36		100	74.0	126		6010B
Cadmium	60.7	59.74		98	73.3	127		6010B
Calcium	9870	9870		100	75.4	125		6010B
Chromium	236	230.8		98	70.8	129		6010B
Cobalt	91.2	95.00		104	74.4	126		6010B
Copper	174	172.9		99	75.3	124		6010B
Iron	18000	17430		97	42.1	158		6010B
Lead	86.0	87.94		102	69.8	130		6010B
Magnesium	4000	3522		88	69.5	131		6010B
Manganese	558	583.8		105	77.4	123		6010B
Nickel	134	138.0		103	73.2	127		6010B
Potassium	4300	3914		91	65.3	135		6010B
Selenium	286	267.0		93	69.6	130		6010B
Silver	30.1	28.74		95	65.1	135		6010B
Sodium	1020	930.4	J	91	60.2	139		6010B
Thallium	121	131.3		108	67.8	133		6010B
Vanadium	115	111.3		97	67.6	132		6010B
Zinc	594	586.4		99	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 460-87024/11-A ^10

Lab Name: TestAmerica Edison

Job No.: 460-31328-1

Sample Matrix: Solid

LCS Source: ME_LCSS_62_00014

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	8.46	8.77		104	51.3	149		7471A

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 460-87088/2-A ^10

Lab Name: TestAmerica Edison

Job No.: 460-31328-1

Sample Matrix: Solid

LCS Source: ME_LCSS_62_00014

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	8.46	8.78		104	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: 460-31616-F-1-B SD ^20

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-31328-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	151		154.0	J	NC		6010B
Antimony	2.2	U	10.8	U	NC		6010B
Arsenic	0.83	J	5.4	U	NC		6010B
Barium	43.1	U	215	U	NC		6010B
Beryllium	0.43	U	2.2	U	NC		6010B
Cadmium	1.1	U	5.4	U	NC		6010B
Calcium	1080	U	5390	U	NC		6010B
Chromium	2.2	U	10.8	U	NC		6010B
Cobalt	10.8	U	53.9	U	NC		6010B
Copper	5.4	U	26.9	U	NC		6010B
Iron	1080		1030		4.2		6010B
Lead	1.3		5.4	U	NC		6010B
Magnesium	1080	U	5390	U	NC		6010B
Manganese	3.2	U	16.2	U	NC		6010B
Nickel	8.6	U	43.1	U	NC		6010B
Potassium	1080	U	5390	U	NC		6010B
Selenium	2.2	U	10.8	U	NC		6010B
Silver	2.2	U	10.8	U	NC		6010B
Sodium	1080	U	5390	U	NC		6010B
Thallium	2.2	U	10.8	U	NC		6010B
Vanadium	10.8	U	53.9	U	NC		6010B
Zinc	6.5	U	32.3	U	NC		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: 460-31418-A-1-A SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-31328-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Dilution	Result (S)			
Mercury	0.037	U		0.18	U	NC	7471A

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: 460-31466-A-3-I SD ^50

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-31328-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Mercury	6.2		5.27		NC		7471A

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-31328-1
 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: 460-31328-1
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: 460-31328-1
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: 460-31328-1
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: 460-31328-1

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.: 460-31328-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-87517/1-A ^2	09/28/2011 07:59	87517	1.00		50
LCSSRM 460-87517/2-A ^4	09/28/2011 07:59	87517	1.00		50
460-31616-F-1-C DU ^4	09/28/2011 07:59	87517	1.04		50
460-31616-F-1-D MS ^4	09/28/2011 07:59	87517	1.07		50
460-31328-5	09/28/2011 07:59	87517	1.04		50
460-31328-7	09/28/2011 07:59	87517	1.05		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-87024/10-A	09/22/2011 17:30	87024	0.60		100
LCSSRM 460-87024/11-A ^10	09/22/2011 17:30	87024	0.60		100
460-31418-A-1-B DU	09/22/2011 17:30	87024	0.60		100
460-31418-A-1-C MS	09/22/2011 17:30	87024	0.60		100
460-31328-5	09/22/2011 17:30	87024	0.62		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-87088/1-A	09/23/2011 10:23	87088	0.60		100
LCSSRM 460-87088/2-A ^10	09/23/2011 10:23	87088	0.60		100
460-31328-7	09/23/2011 10:23	87088	0.61		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 09/28/2011 19:42 End Date: 09/29/2011 01:47

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			19:42																				
ZZZZZZ			19:46																				
ZZZZZZ			19:50																				
ZZZZZZ			19:54																				
ZZZZZZ			19:57																				
ICV 460-87665/6	1		20:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-87665/7	1		20:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-87665/8	1		20:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-87665/9	1		20:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			20:16																				
460-31616-F-1-C DU ^4	4	T	20:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			20:24																				
460-31616-F-1-B SD ^20	20	T	20:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-31616-F-1-D MS ^4	4	T	20:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-31616-F-1-B PDS ^4	4	T	20:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			20:39																				
ZZZZZZ			20:42																				
CCV 460-87665/18	1		20:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-87665/19	1		20:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 460-87517/1-A ^2	2	T	20:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSSRM 460-87517/2-A ^4	4	T	20:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			21:01																				
ZZZZZZ			21:05																				
ZZZZZZ			21:08																				
ZZZZZZ			21:12																				
ZZZZZZ			21:16																				
460-31328-5	4	T	21:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-31328-7	4	T	21:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			21:27																				
CCV 460-87665/30	1		21:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-87665/31	1		21:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			21:38																				
ZZZZZZ			21:41																				
ZZZZZZ			21:45																				
ZZZZZZ			21:49																				
ZZZZZZ			21:53																				
ZZZZZZ			21:56																				
ZZZZZZ			22:00																				
ZZZZZZ			22:04																				
ZZZZZZ			22:07																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 09/28/2011 19:42 End Date: 09/29/2011 01:47

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			22:11																			
CCV 460-87665/42			22:15																			
CCB 460-87665/43			22:18																			
ZZZZZZ			22:22																			
ZZZZZZ			22:26																			
ZZZZZZ			22:30																			
ZZZZZZ			22:33																			
ZZZZZZ			22:37																			
ZZZZZZ			22:41																			
ZZZZZZ			22:44																			
ZZZZZZ			22:48																			
ZZZZZZ			22:51																			
ZZZZZZ			22:55																			
CCV 460-87665/54			22:59																			
CCB 460-87665/55			23:02																			
ZZZZZZ			23:06																			
ZZZZZZ			23:10																			
ZZZZZZ			23:14																			
ZZZZZZ			23:17																			
ZZZZZZ			23:21																			
ZZZZZZ			23:25																			
ZZZZZZ			23:29																			
ZZZZZZ			23:32																			
ZZZZZZ			23:36																			
ZZZZZZ			23:40																			
CCV 460-87665/66			23:43																			
CCB 460-87665/67			23:47																			
ZZZZZZ			23:51																			
ZZZZZZ			23:54																			
ZZZZZZ			23:58																			
ZZZZZZ			00:02																			
ZZZZZZ			00:05																			
ZZZZZZ			00:09																			
ZZZZZZ			00:13																			
ZZZZZZ			00:17																			
ZZZZZZ			00:21																			
ZZZZZZ			00:24																			
CCV 460-87665/78			00:28																			
CCB 460-87665/79			00:31																			
ZZZZZZ			00:35																			
ZZZZZZ			00:39																			
ZZZZZZ			00:42																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 09/28/2011 19:42 End Date: 09/29/2011 01:47

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			00:46																			
ZZZZZZ			00:50																			
ZZZZZZ			00:54																			
ZZZZZZ			00:58																			
ZZZZZZ			01:01																			
ZZZZZZ			01:05																			
ZZZZZZ			01:09																			
CCV 460-87665/90			01:13																			
CCB 460-87665/91			01:16																			
ZZZZZZ			01:20																			
ZZZZZZ			01:24																			
ZZZZZZ			01:28																			
ZZZZZZ			01:32																			
ZZZZZZ			01:36																			
ZZZZZZ			01:39																			
CCV 460-87665/98			01:43																			
CCB 460-87665/99			01:47																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 09/28/2011 19:42 End Date: 09/29/2011 01:47

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			19:42																		
ZZZZZZ			19:46																		
ZZZZZZ			19:50																		
ZZZZZZ			19:54																		
ZZZZZZ			19:57																		
ICV 460-87665/6	1		20:01	X	X																
ICB 460-87665/7	1		20:04	X	X																
ICSA 460-87665/8	1		20:08	X	X																
ICSAB 460-87665/9	1		20:12	X	X																
ZZZZZZ			20:16																		
460-31616-F-1-C DU ^4	4	T	20:20	X	X																
ZZZZZZ			20:24																		
460-31616-F-1-B SD ^20	20	T	20:28	X	X																
460-31616-F-1-D MS ^4	4	T	20:31	X	X																
460-31616-F-1-B PDS ^4	4	T	20:35	X	X																
ZZZZZZ			20:39																		
ZZZZZZ			20:42																		
CCV 460-87665/18	1		20:46	X	X																
CCB 460-87665/19	1		20:50	X	X																
MB 460-87517/1-A ^2	2	T	20:53	X	X																
LCSSRM 460-87517/2-A ^4	4	T	20:57	X	X																
ZZZZZZ			21:01																		
ZZZZZZ			21:05																		
ZZZZZZ			21:08																		
ZZZZZZ			21:12																		
ZZZZZZ			21:16																		
460-31328-5	4	T	21:19	X	X																
460-31328-7	4	T	21:23	X	X																
ZZZZZZ			21:27																		
CCV 460-87665/30	1		21:30	X	X																
CCB 460-87665/31	1		21:34	X	X																
ZZZZZZ			21:38																		
ZZZZZZ			21:41																		
ZZZZZZ			21:45																		
ZZZZZZ			21:49																		
ZZZZZZ			21:53																		
ZZZZZZ			21:56																		
ZZZZZZ			22:00																		
ZZZZZZ			22:04																		
ZZZZZZ			22:07																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 09/28/2011 19:42 End Date: 09/29/2011 01:47

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			22:11																		
CCV 460-87665/42			22:15																		
CCB 460-87665/43			22:18																		
ZZZZZZ			22:22																		
ZZZZZZ			22:26																		
ZZZZZZ			22:30																		
ZZZZZZ			22:33																		
ZZZZZZ			22:37																		
ZZZZZZ			22:41																		
ZZZZZZ			22:44																		
ZZZZZZ			22:48																		
ZZZZZZ			22:51																		
ZZZZZZ			22:55																		
CCV 460-87665/54			22:59																		
CCB 460-87665/55			23:02																		
ZZZZZZ			23:06																		
ZZZZZZ			23:10																		
ZZZZZZ			23:14																		
ZZZZZZ			23:17																		
ZZZZZZ			23:21																		
ZZZZZZ			23:25																		
ZZZZZZ			23:29																		
ZZZZZZ			23:32																		
ZZZZZZ			23:36																		
ZZZZZZ			23:40																		
CCV 460-87665/66			23:43																		
CCB 460-87665/67			23:47																		
ZZZZZZ			23:51																		
ZZZZZZ			23:54																		
ZZZZZZ			23:58																		
ZZZZZZ			00:02																		
ZZZZZZ			00:05																		
ZZZZZZ			00:09																		
ZZZZZZ			00:13																		
ZZZZZZ			00:17																		
ZZZZZZ			00:21																		
ZZZZZZ			00:24																		
CCV 460-87665/78			00:28																		
CCB 460-87665/79			00:31																		
ZZZZZZ			00:35																		
ZZZZZZ			00:39																		
ZZZZZZ			00:42																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 09/28/2011 19:42 End Date: 09/29/2011 01:47

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z																
ZZZZZZ			00:46																		
ZZZZZZ			00:50																		
ZZZZZZ			00:54																		
ZZZZZZ			00:58																		
ZZZZZZ			01:01																		
ZZZZZZ			01:05																		
ZZZZZZ			01:09																		
CCV 460-87665/90			01:13																		
CCB 460-87665/91			01:16																		
ZZZZZZ			01:20																		
ZZZZZZ			01:24																		
ZZZZZZ			01:28																		
ZZZZZZ			01:32																		
ZZZZZZ			01:36																		
ZZZZZZ			01:39																		
CCV 460-87665/98			01:43																		
CCB 460-87665/99			01:47																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 09/22/2011 20:47 End Date: 09/22/2011 22:43

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 460-87023/1-A			20:47	X																	
IC 460-87023/2-A			20:49	X																	
IC 460-87023/3-A			20:50	X																	
IC 460-87023/4-A			20:53	X																	
IC 460-87023/5-A			20:55	X																	
IC 460-87023/6-A			20:57	X																	
ICV 460-87023/7-A	1		20:58	X																	
ICB 460-87040/8	1		21:00	X																	
ZZZZZZ			21:02																		
ZZZZZZ			21:04																		
ZZZZZZ			21:06																		
ZZZZZZ			21:08																		
ZZZZZZ			21:10																		
ZZZZZZ			21:11																		
ZZZZZZ			21:13																		
ZZZZZZ			21:15																		
ZZZZZZ			21:17																		
ZZZZZZ			21:19																		
CCV 460-87023/8-A			21:21																		
CCB 460-87040/20			21:23																		
ZZZZZZ			21:25																		
ZZZZZZ			21:26																		
ZZZZZZ			21:28																		
ZZZZZZ			21:30																		
ZZZZZZ			21:32																		
ZZZZZZ			21:34																		
ZZZZZZ			21:36																		
ZZZZZZ			21:37																		
ZZZZZZ			21:39																		
ZZZZZZ			21:41																		
CCV 460-87023/8-A			21:43																		
CCB 460-87040/32			21:45																		
ZZZZZZ			21:46																		
ZZZZZZ			21:48																		
ZZZZZZ			21:50																		
ZZZZZZ			21:52																		
ZZZZZZ			21:54																		
CCV 460-87023/8-A	1		21:55	X																	
CCB 460-87040/39	1		21:57	X																	
MB 460-87024/10-A	1	T	21:59	X																	
ZZZZZZ			22:01																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 09/22/2011 20:47 End Date: 09/22/2011 22:43

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
LCSSRM 460-87024/11-A ^10	10	T	22:04	X															
ZZZZZZ			22:05																
460-31418-A-1-B DU	1	T	22:07	X															
460-31418-A-1-C MS	1	T	22:09	X															
ZZZZZZ			22:11																
ZZZZZZ			22:13																
ZZZZZZ			22:15																
ZZZZZZ			22:17																
CCV 460-87023/8-A	1		22:19	X															
CCB 460-87040/51	1		22:21	X															
ZZZZZZ			22:23																
ZZZZZZ			22:25																
ZZZZZZ			22:26																
ZZZZZZ			22:28																
460-31328-5	1	T	22:30	X															
ZZZZZZ			22:32																
ZZZZZZ			22:34																
ZZZZZZ			22:36																
ZZZZZZ			22:38																
460-31418-A-1-A SD ^5	5	T	22:40	X															
CCV 460-87023/8-A	1		22:41	X															
CCB 460-87040/63	1		22:43	X															

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 09/23/2011 14:29 End Date: 09/23/2011 16:11

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 460-87088/24-A			14:29	X															
IC 460-87088/25-A			14:31	X															
IC 460-87088/26-A			14:33	X															
IC 460-87088/27-A			14:35	X															
IC 460-87088/28-A			14:37	X															
IC 460-87088/29-A			14:38	X															
ICV 460-87088/30-A	1		14:41	X															
ICB 460-87150/8	1		14:43	X															
MB 460-87088/1-A	1	T	14:44	X															
LCSSRM 460-87088/2-A ^10	10	T	14:46	X															
ZZZZZZ			14:49																
ZZZZZZ			14:51																
ZZZZZZ			14:52																
ZZZZZZ			14:54																
ZZZZZZ			14:56																
ZZZZZZ			14:58																
CCV 460-87088/31-A	1		15:00	X															
CCB 460-87150/18	1		15:02	X															
ZZZZZZ			15:04																
ZZZZZZ			15:06																
ZZZZZZ			15:07																
ZZZZZZ			15:09																
460-31328-7	1	T	15:11	X															
ZZZZZZ			15:13																
ZZZZZZ			15:15																
ZZZZZZ			15:16																
CCV 460-87088/31-A	1		15:18	X															
CCB 460-87150/28	1		15:20	X															
ZZZZZZ			15:22																
ZZZZZZ			15:24																
ZZZZZZ			15:26																
ZZZZZZ			15:28																
ZZZZZZ			15:30																
ZZZZZZ			15:32																
ZZZZZZ			15:33																
ZZZZZZ			15:35																
CCV 460-87088/31-A			15:37																
CCB 460-87150/38			15:39																
ZZZZZZ			15:41																
ZZZZZZ			15:43																
ZZZZZZ			15:45																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

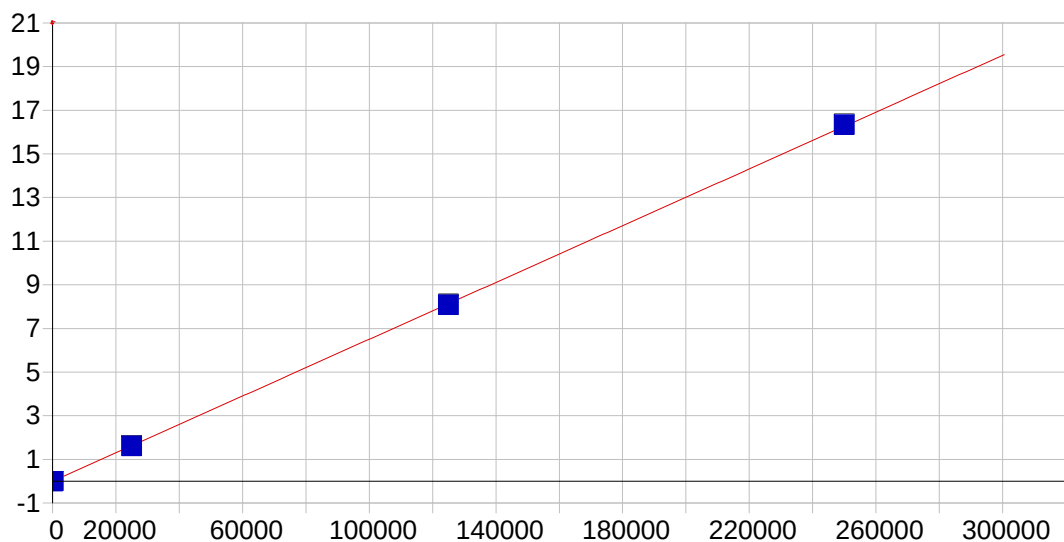
Instrument ID: LEEMAN3 Method: 7471A

Start Date: 09/23/2011 14:29 End Date: 09/23/2011 16:11

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ZZZZZZ			15:47																		
ZZZZZZ			15:49																		
ZZZZZZ			15:51																		
ZZZZZZ			15:52																		
ZZZZZZ			15:55																		
ZZZZZZ			15:56																		
ZZZZZZ			15:58																		
CCV 460-87088/31-A	1		16:00	X																	
CCB 460-87150/50	1		16:02	X																	
ZZZZZZ			16:03																		
ZZZZZZ			16:05																		
460-31466-A-3-I SD ^50	50	T	16:07	X																	
CCV 460-87088/31-A	1		16:09	X																	
CCB 460-87150/55	1		16:11	X																	

Prep Types

T = Total/NA

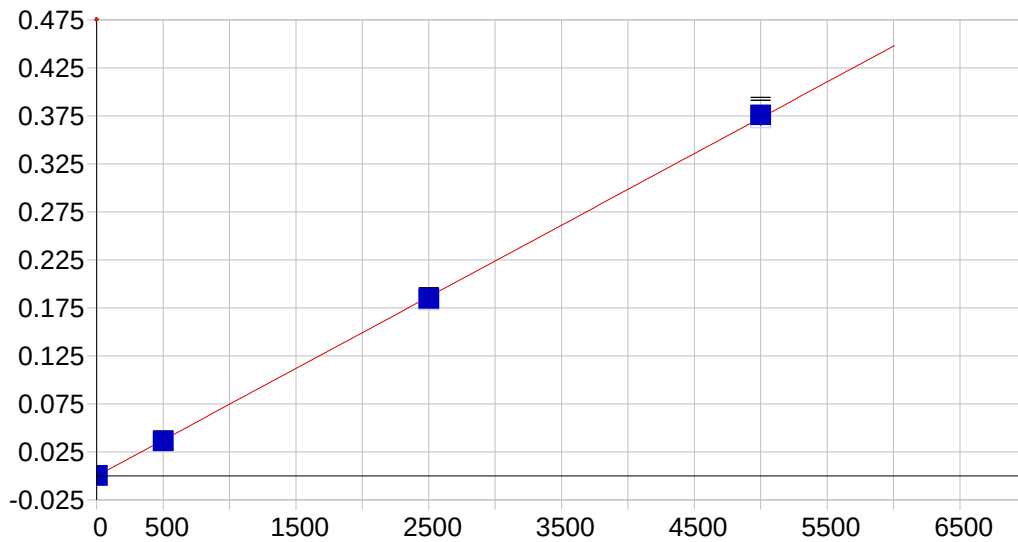


AI 396.152 { 85}

Date of Fit: 9/28/2011 20:01:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000687 Re-Slope: 1.000000
 A1 (Gain): 0.000065 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999983 Status: OK.
 Std Error of Est: 0.000137
 Predicted MDL: 14.476397
 Predicted MQL: 48.254658

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00024	.000	.000	-.00069	.000	1
DCAL1	200.00	201.97	1.97	.986	.01251	.000	1
DCAL2	25000.	24794.	-206.	-.822	1.6139	.005	1
DCAL3	125000.	124090.	-914.	-.731	8.0794	.029	1
DCAL4	250000.	251120.	1120.	.447	16.351	.010	1

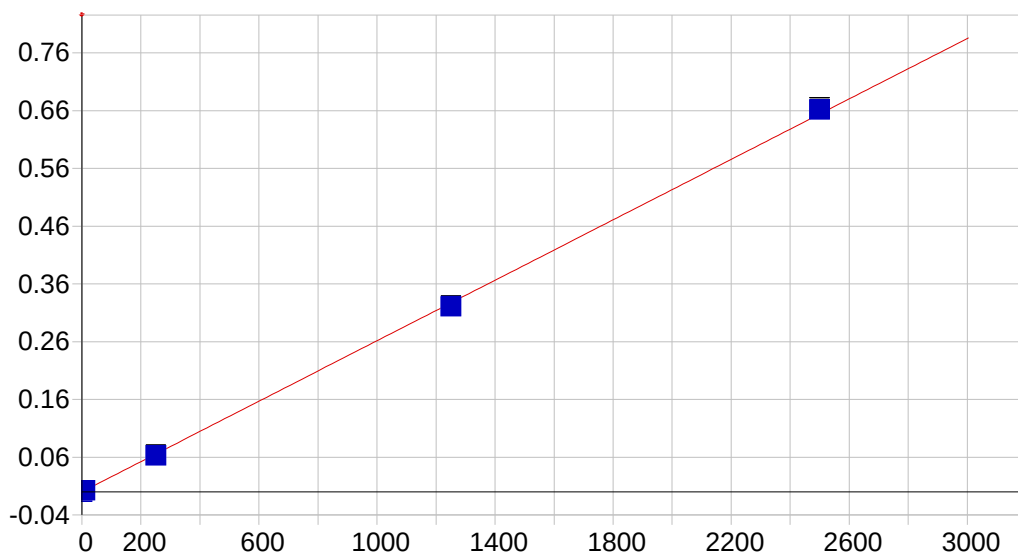


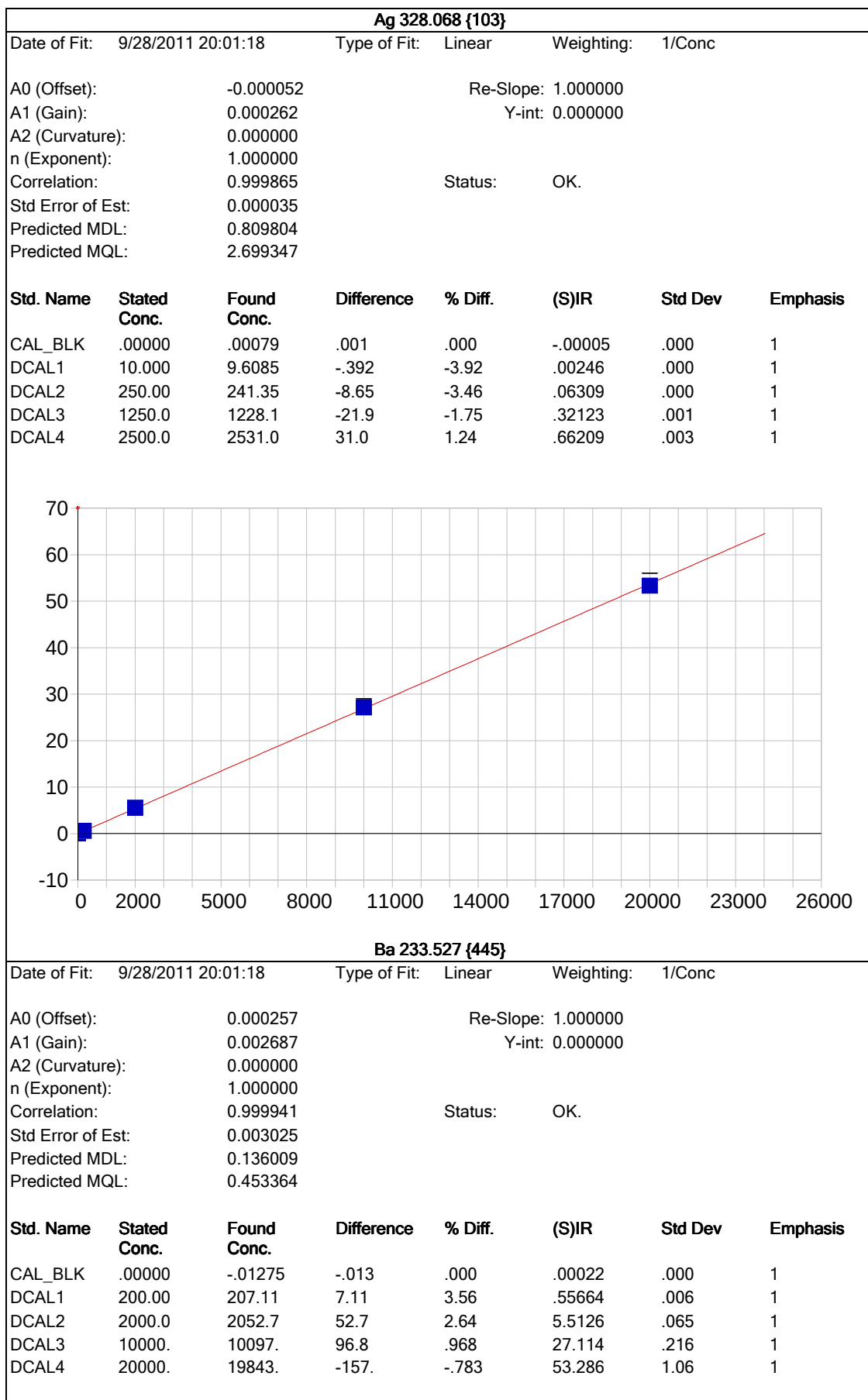
As 189.042 {478}

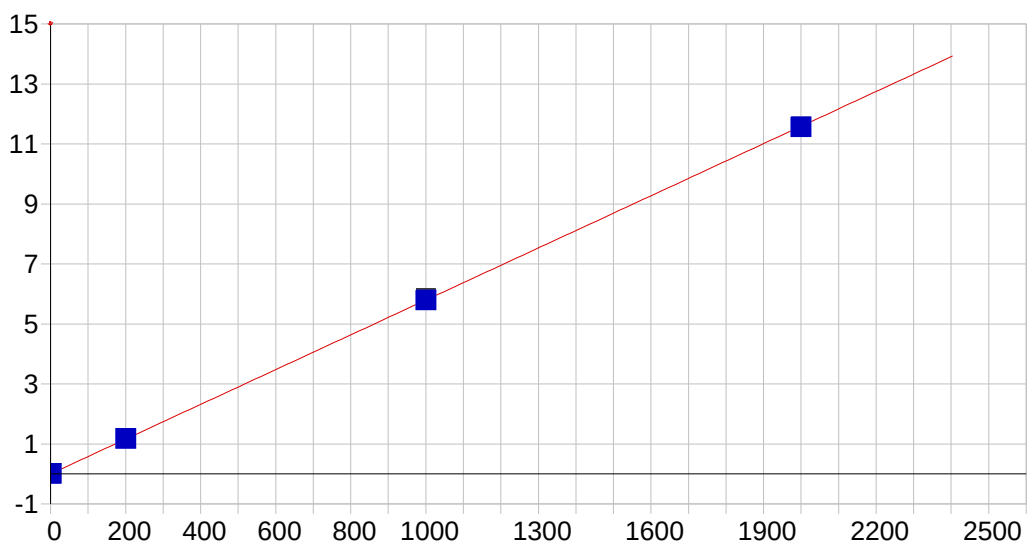
Date of Fit: 9/28/2011 20:01:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000022 Re-Slope: 1.000000
 A1 (Gain): 0.000075 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: 2.444972
 Predicted MQL: 8.149908

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00060	-.001	.000	-.00002	.000	1
DCAL1	5.0000	5.7588	.759	15.2	.00041	.000	1
DCAL2	500.00	485.34	-14.7	-2.93	.03586	.000	1
DCAL3	2500.0	2473.8	-26.2	-1.05	.18293	.001	1
DCAL4	5000.0	5040.1	40.1	.803	.37278	.008	1





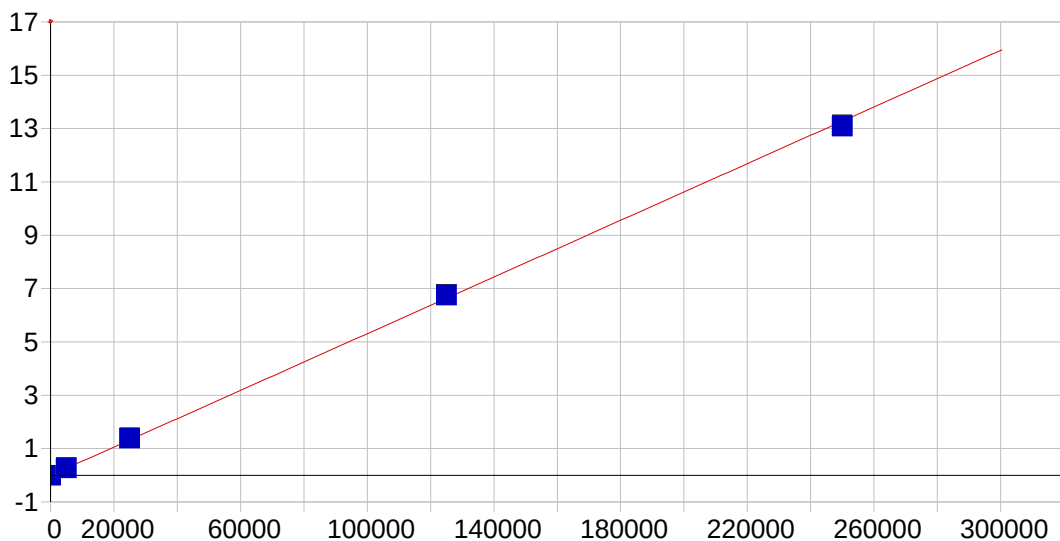


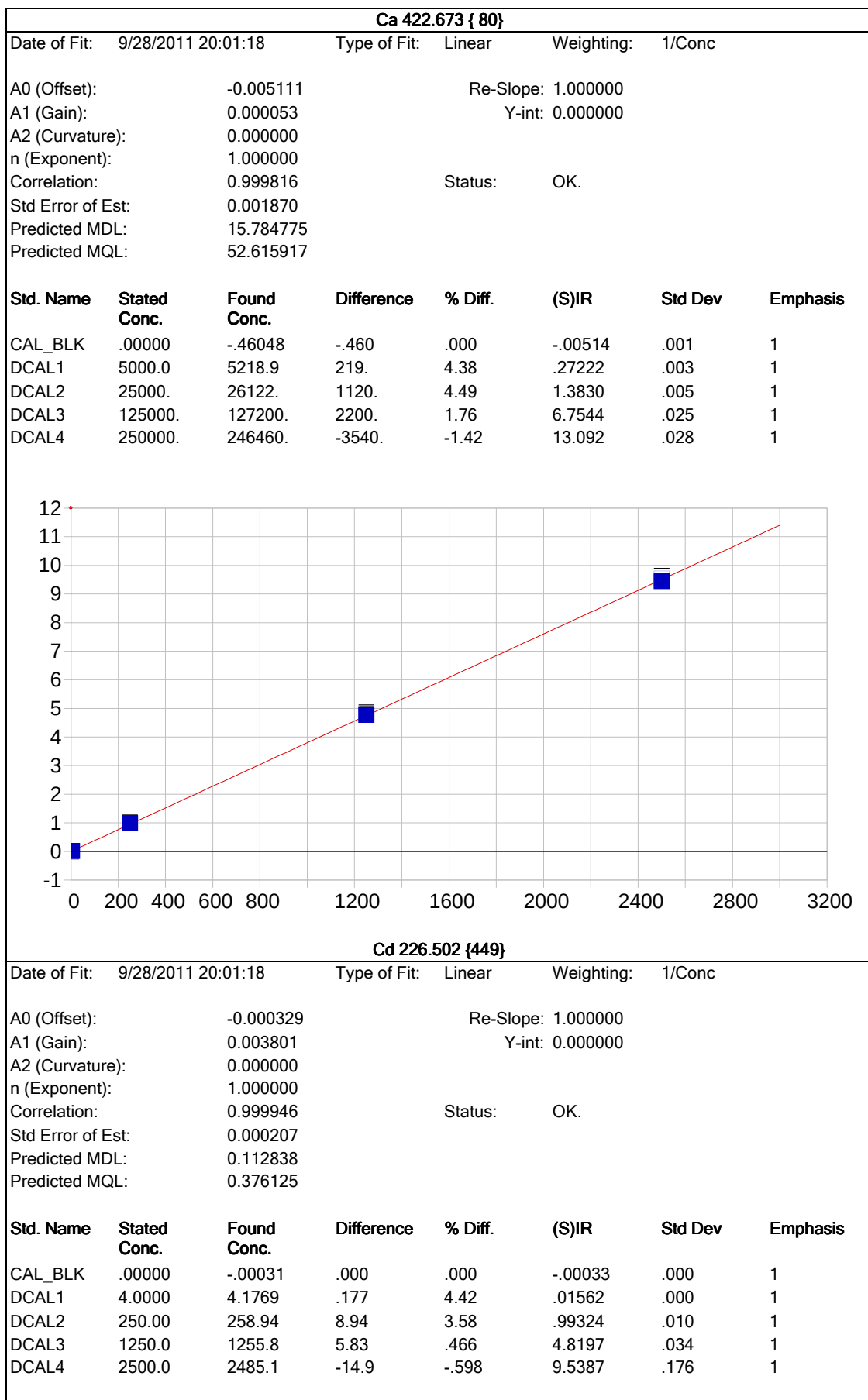
Be 313.042 {108}

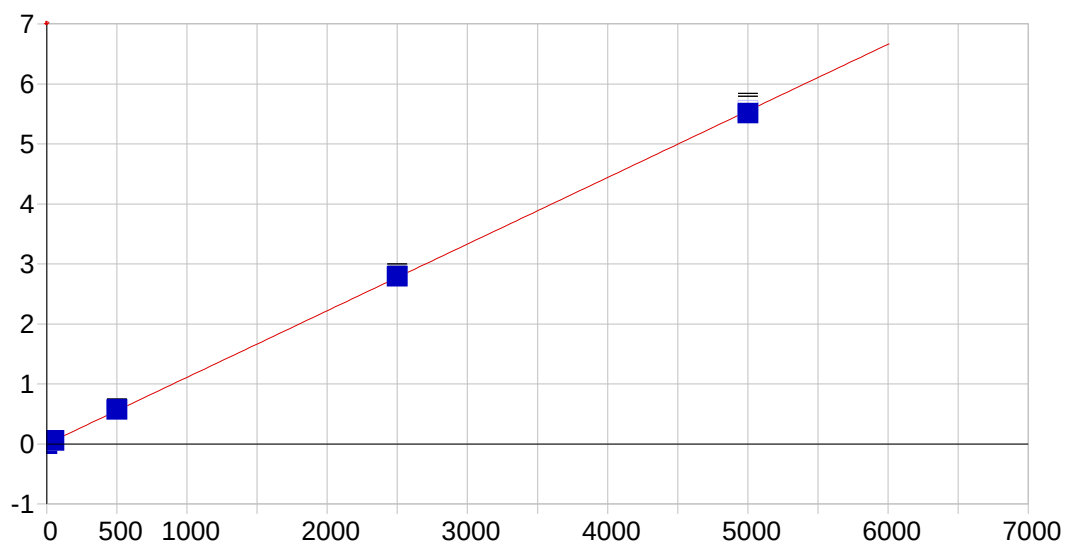
Date of Fit: 9/28/2011 20:01:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000140 Re-Slope: 1.000000
 A1 (Gain): 0.005794 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999992 Status: OK.
 Std Error of Est: 0.000075
 Predicted MDL: 0.116988
 Predicted MQL: 0.389959

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00006	.000	.000	.00014	.001	1
DCAL1	2.0000	2.0332	.033	1.66	.01193	.000	1
DCAL2	200.00	203.01	3.01	1.50	1.1767	.004	1
DCAL3	1000.0	1000.1	.084	.008	5.7963	.027	1
DCAL4	2000.0	1996.9	-3.13	-.156	11.573	.006	1





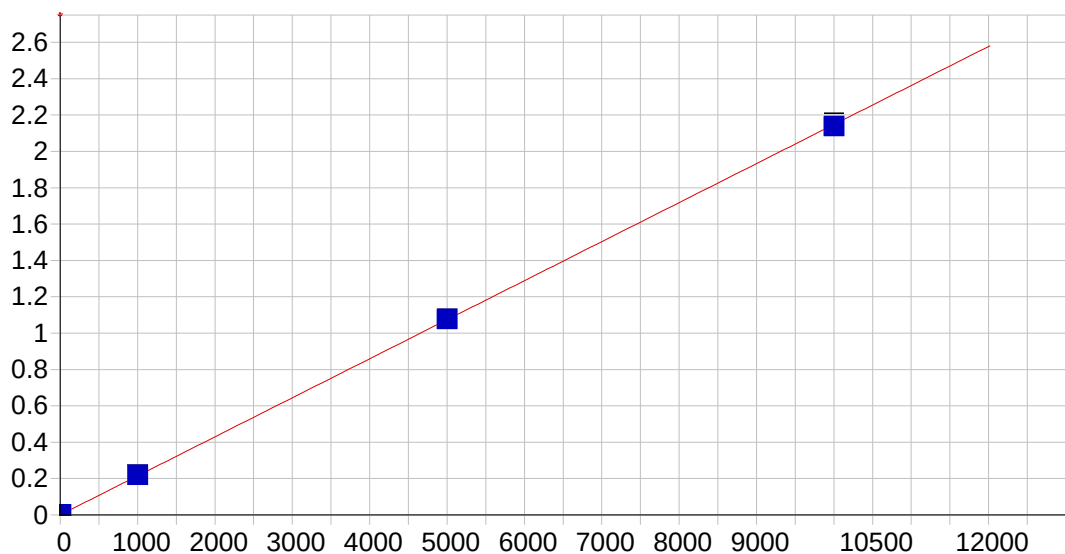


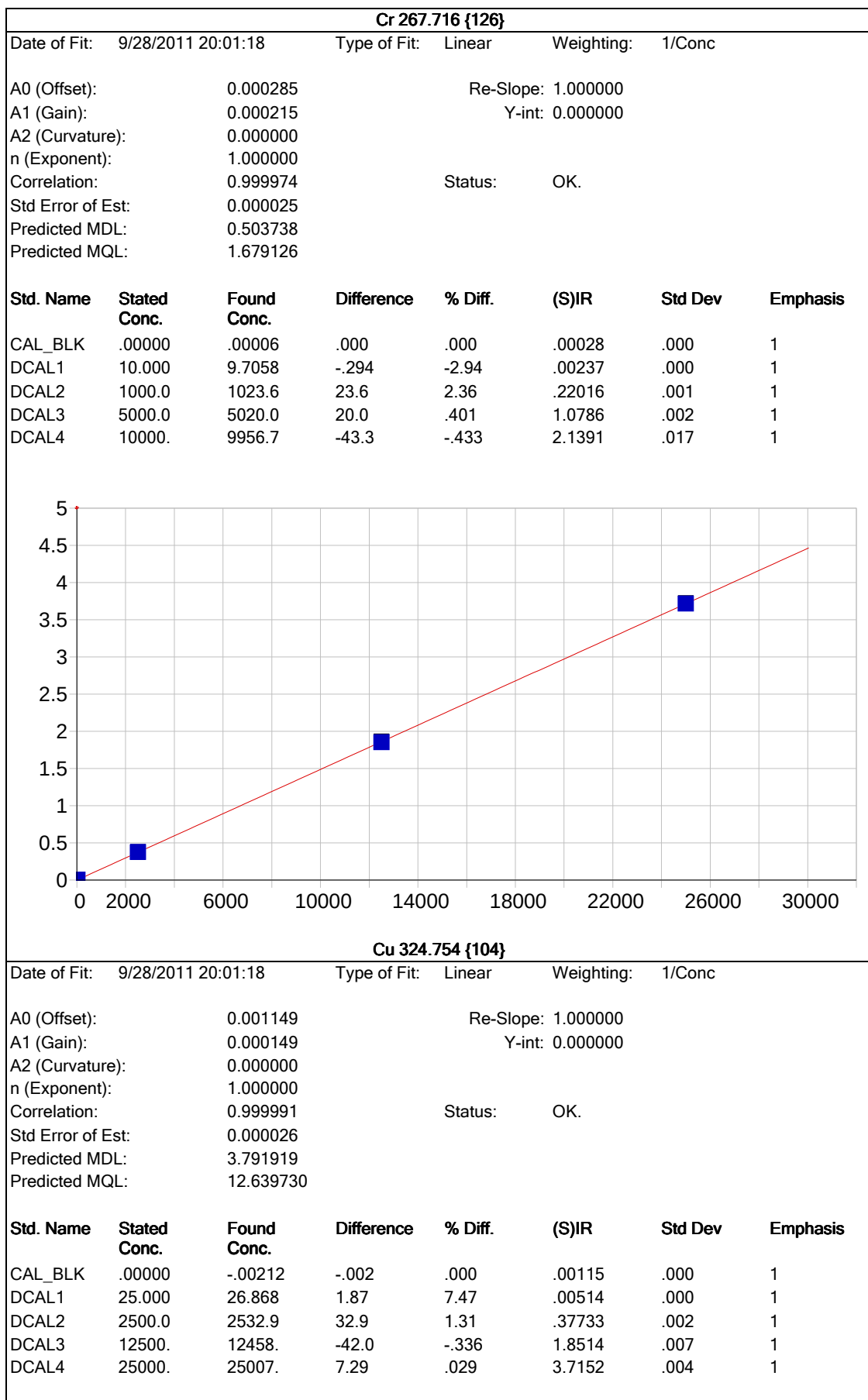
Co 228.616 {447}

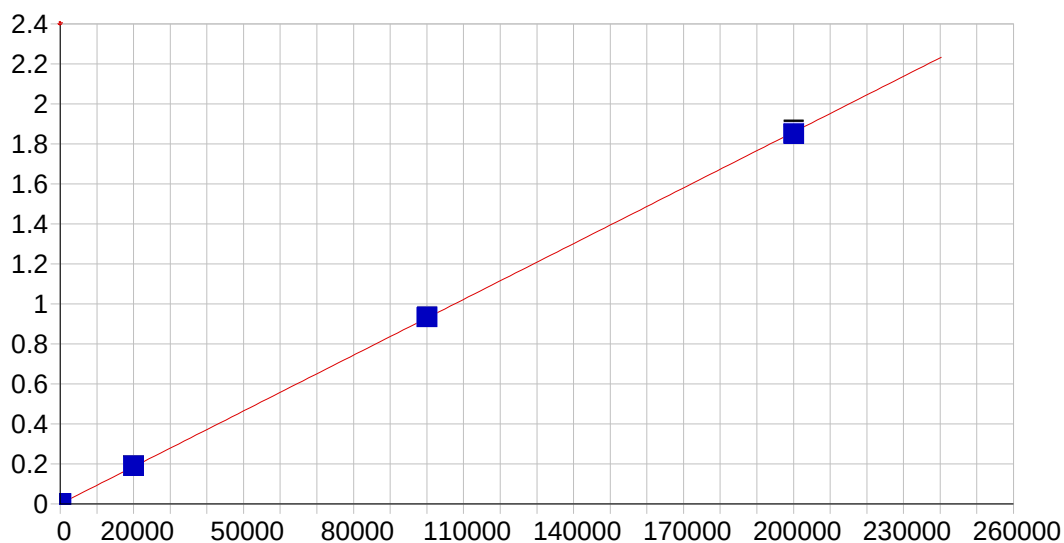
Date of Fit: 9/28/2011 20:01:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000499 Re-Slope: 1.000000
 A1 (Gain): 0.001110 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999939 Status: OK.
 Std Error of Est: 0.000320
 Predicted MDL: 0.326732
 Predicted MQL: 1.089107

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00419	-.004	.000	-.00050	.000	1
DCAL1	50.000	52.580	2.58	5.16	.05788	.001	1
DCAL2	500.00	516.57	16.6	3.31	.57762	.006	1
DCAL3	2500.0	2514.8	14.8	.592	2.8145	.022	1
DCAL4	5000.0	4966.1	-33.9	-.679	5.5590	.117	1





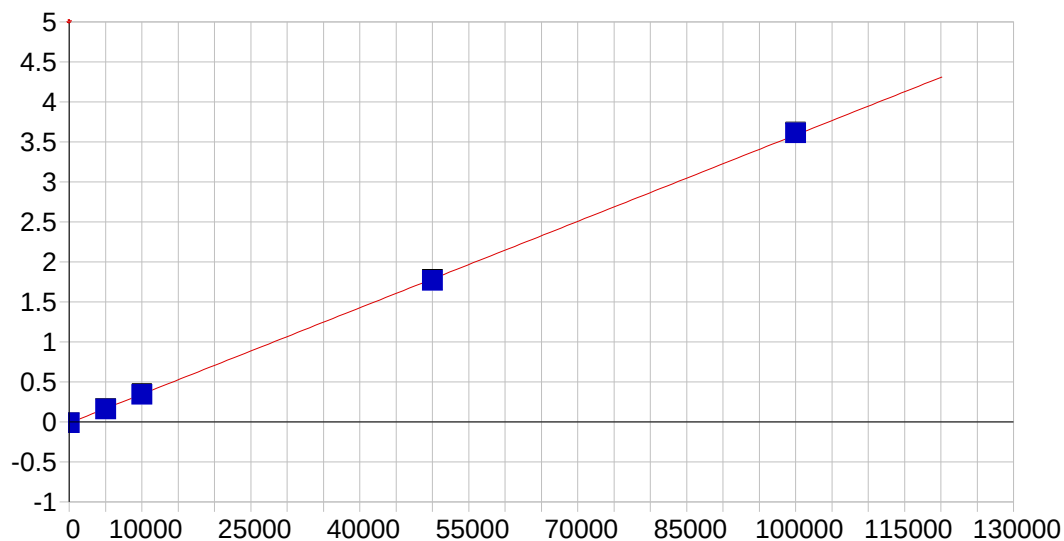


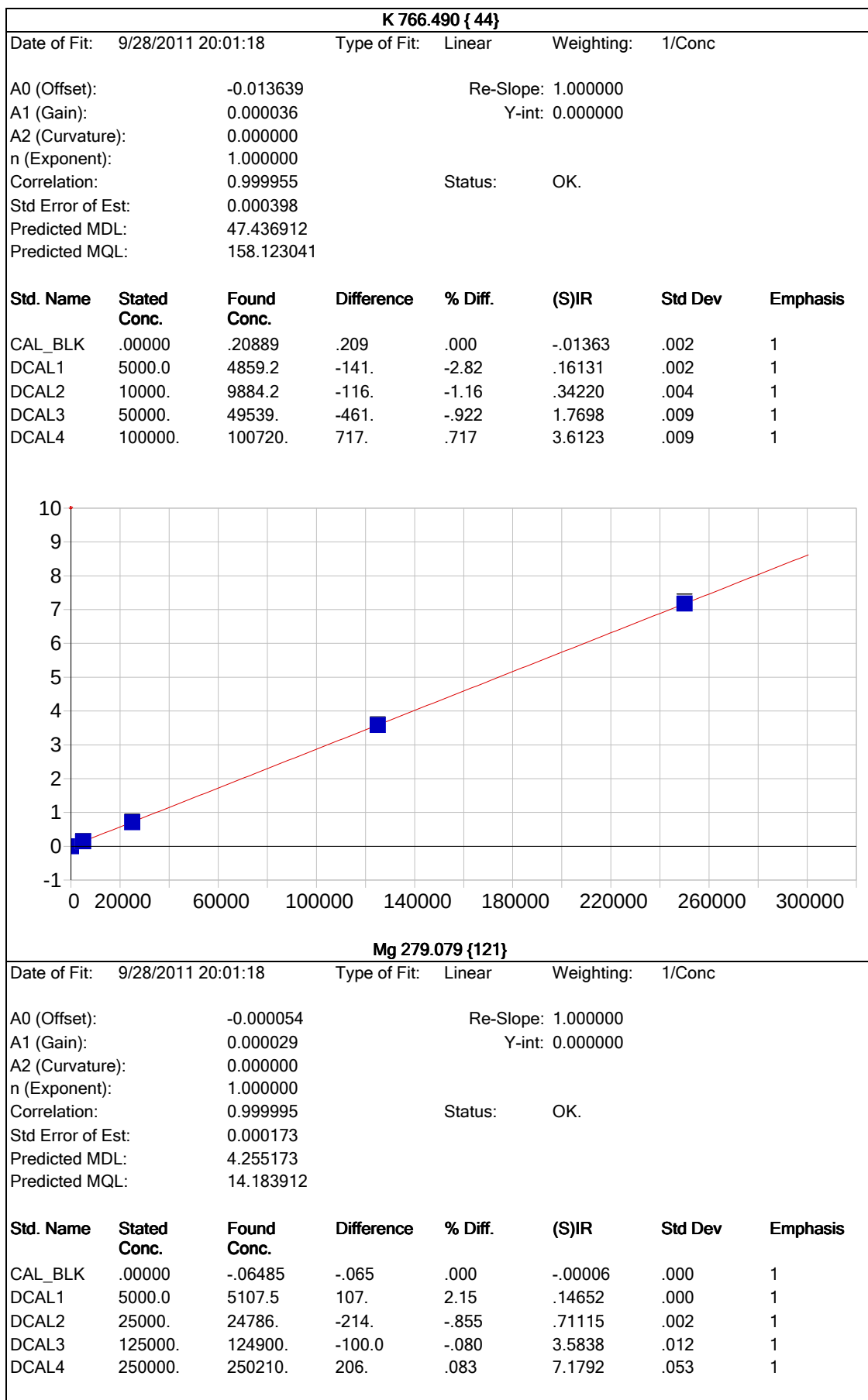
Fe 271.441 {124}

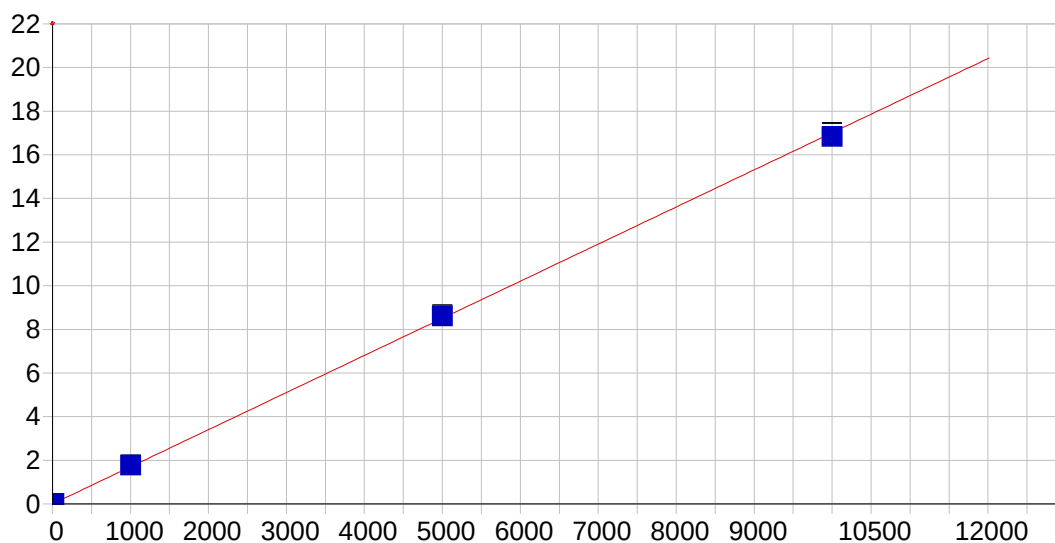
Date of Fit: 9/28/2011 20:01:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000090 Re-Slope: 1.000000
 A1 (Gain): 0.000009 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999976 Status: OK.
 Std Error of Est: 0.000018
 Predicted MDL: 11.921291
 Predicted MQL: 39.737637

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00819	-.008	.000	.00009	.000	1
DCAL1	150.00	154.94	4.94	3.29	.00158	.000	1
DCAL2	20000.	20433.	433.	2.16	.19049	.001	1
DCAL3	100000.	100450.	453.	.453	.93620	.002	1
DCAL4	200000.	199110.	-891.	-.445	1.8556	.013	1





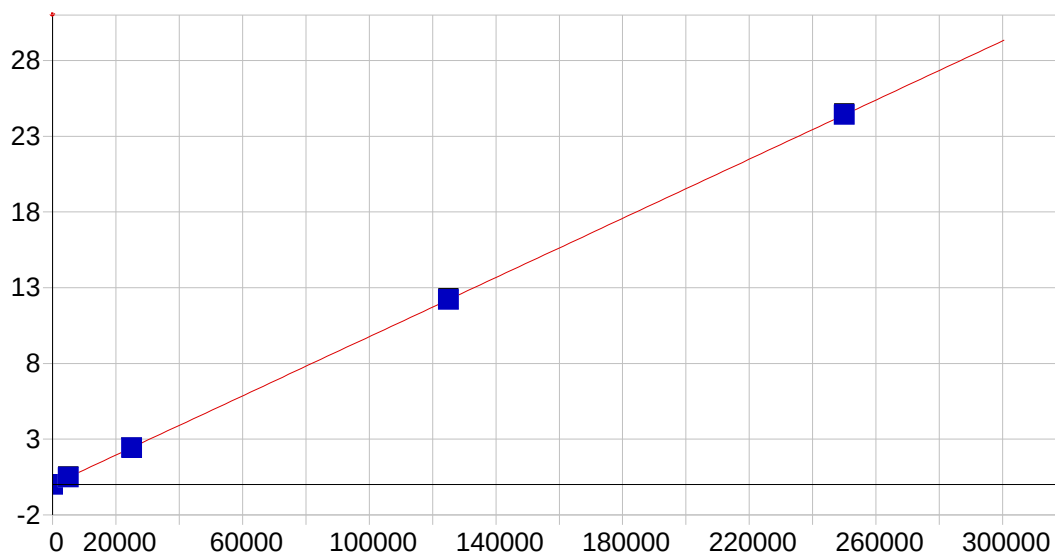


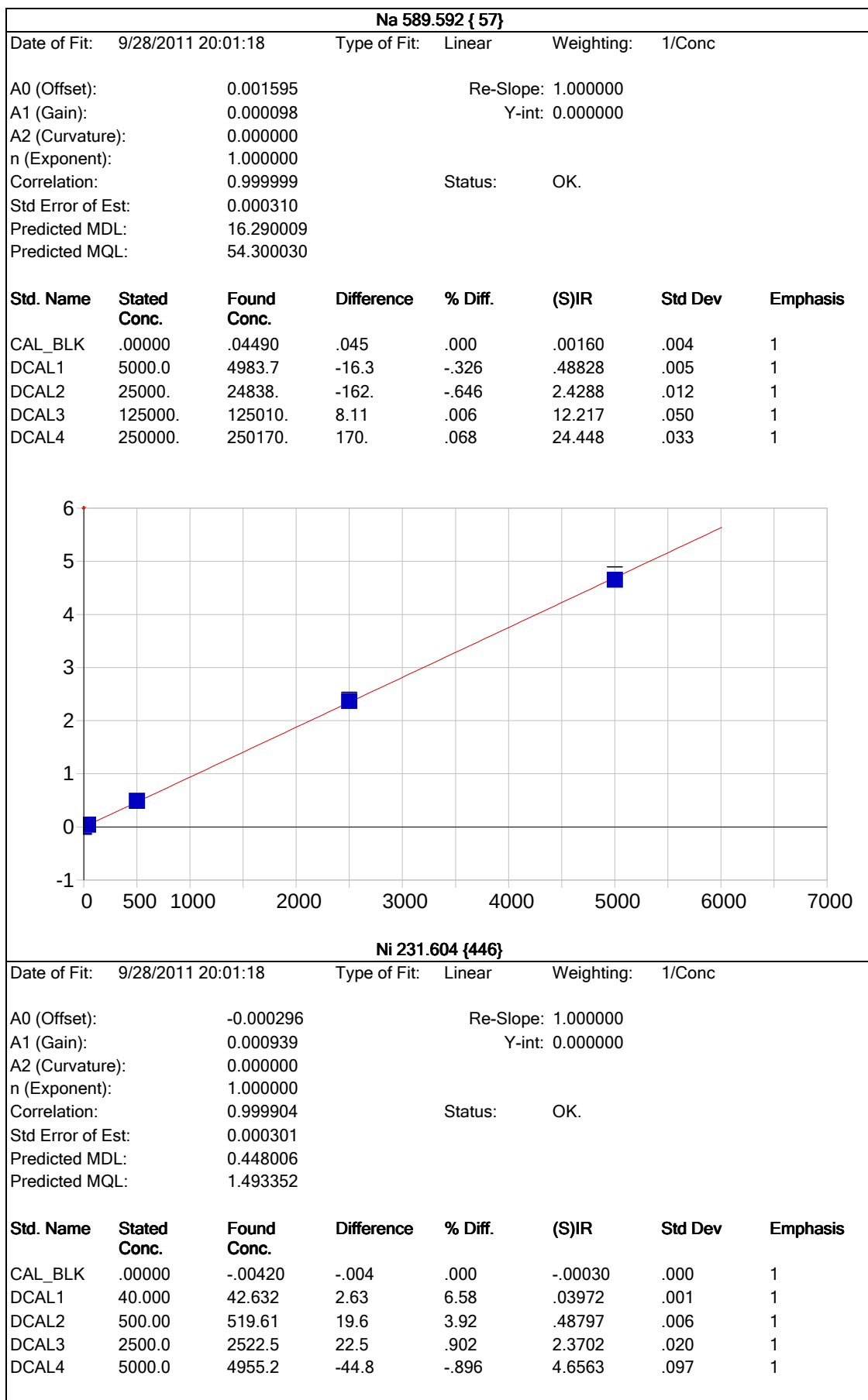
Mn 257.610 {131}

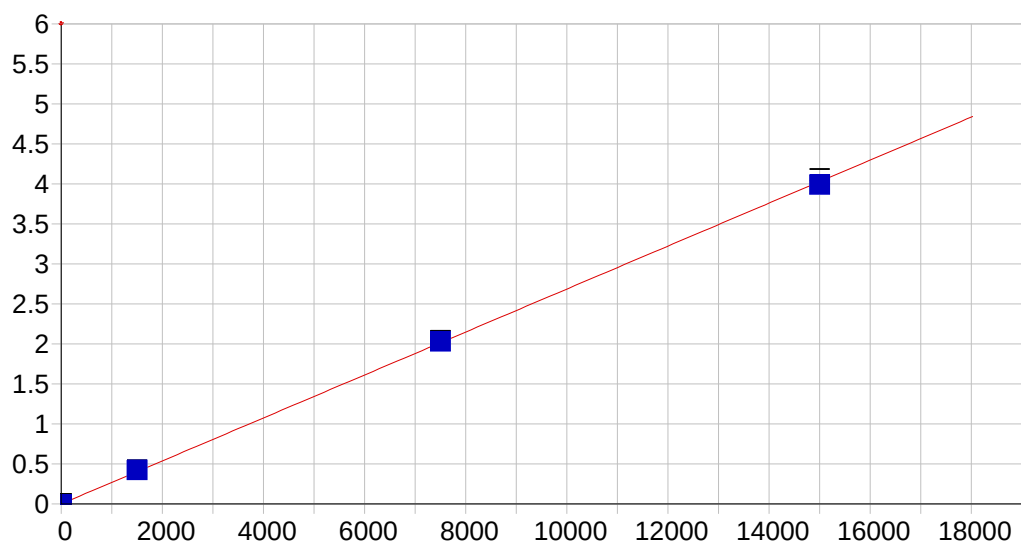
Date of Fit: 9/28/2011 20:01:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000341 Re-Slope: 1.000000
 A1 (Gain): 0.001701 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999893 Status: OK.
 Std Error of Est: 0.000498
 Predicted MDL: 0.077198
 Predicted MQL: 0.257326

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00138	-.001	.000	.00034	.000	1
DCAL1	15.000	15.752	.752	5.01	.02718	.000	1
DCAL2	1000.0	1040.1	40.1	4.01	1.7698	.005	1
DCAL3	5000.0	5061.1	61.1	1.22	8.6108	.038	1
DCAL4	10000.	9898.1	-102.	-1.02	16.840	.167	1





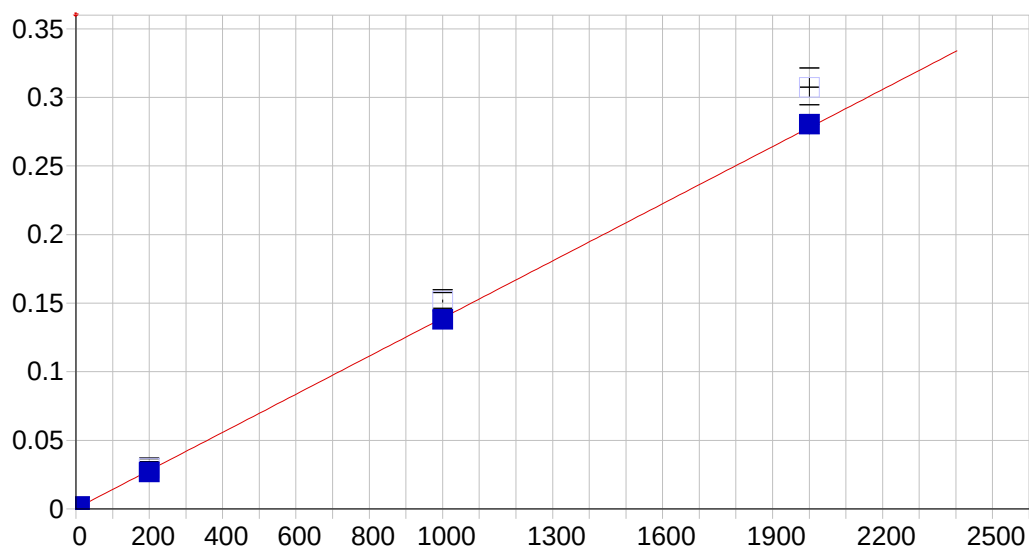


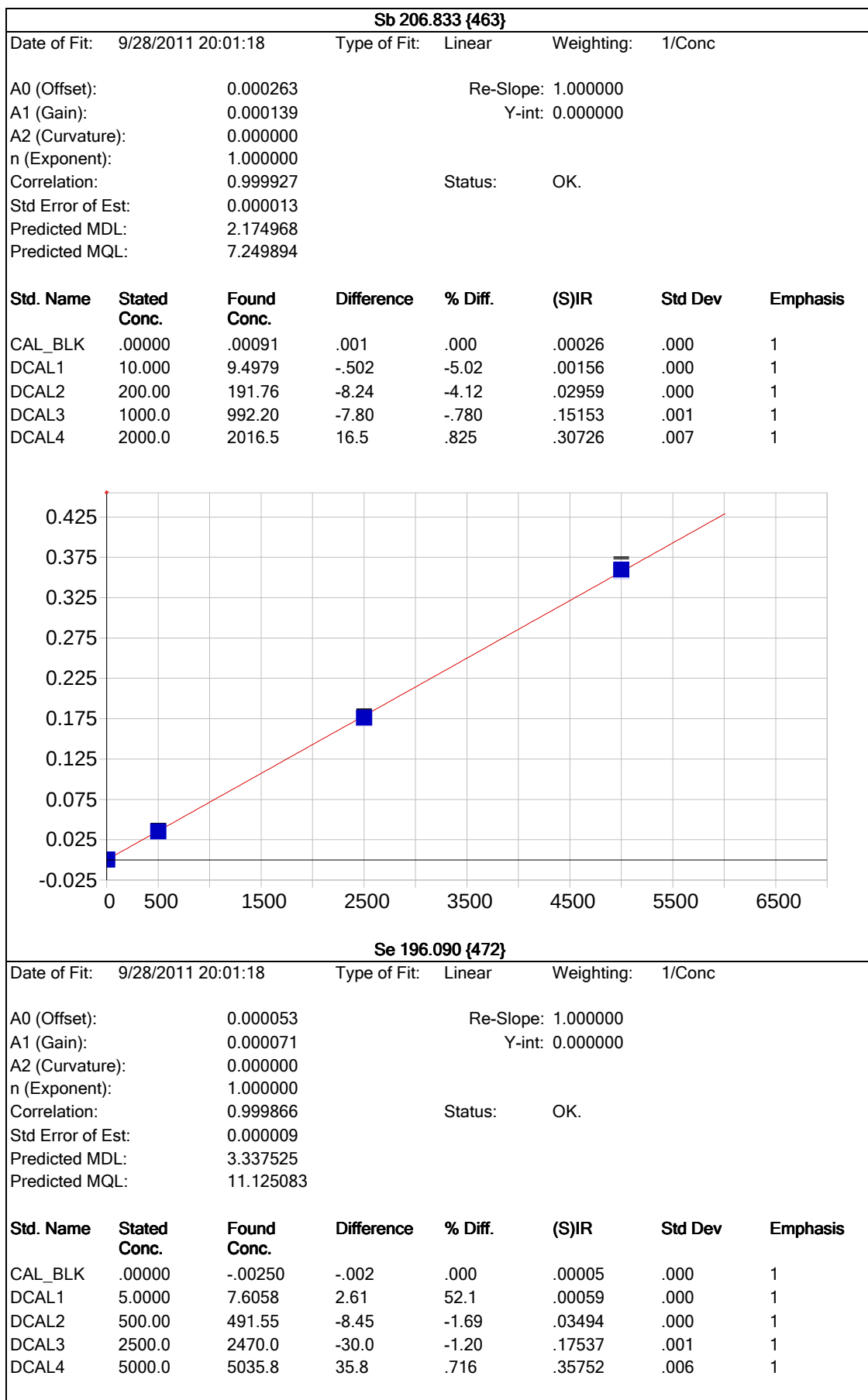
Pb 220.353 {453}

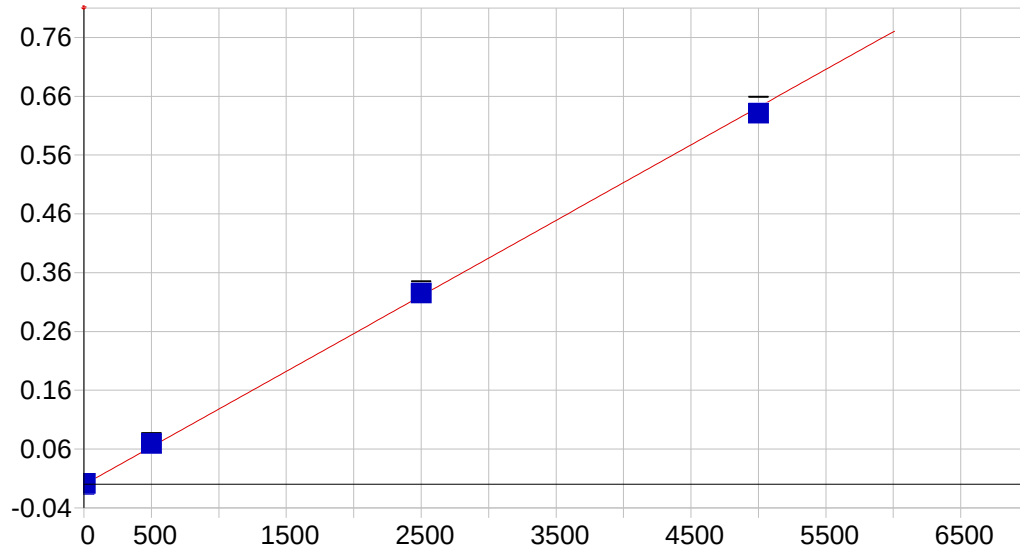
Date of Fit: 9/28/2011 20:01:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000279 Re-Slope: 1.000000
 A1 (Gain): 0.000269 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999869 Status: OK.
 Std Error of Est: 0.000061
 Predicted MDL: 1.525644
 Predicted MQL: 5.085481

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00133	-.001	.000	.00028	.000	1
DCAL1	5.0000	6.0671	1.07	21.3	.00190	.000	1
DCAL2	1500.0	1580.2	80.2	5.35	.42444	.005	1
DCAL3	7500.0	7558.6	58.6	.782	2.0291	.014	1
DCAL4	15000.	14860.	-140.	-.933	3.9889	.073	1





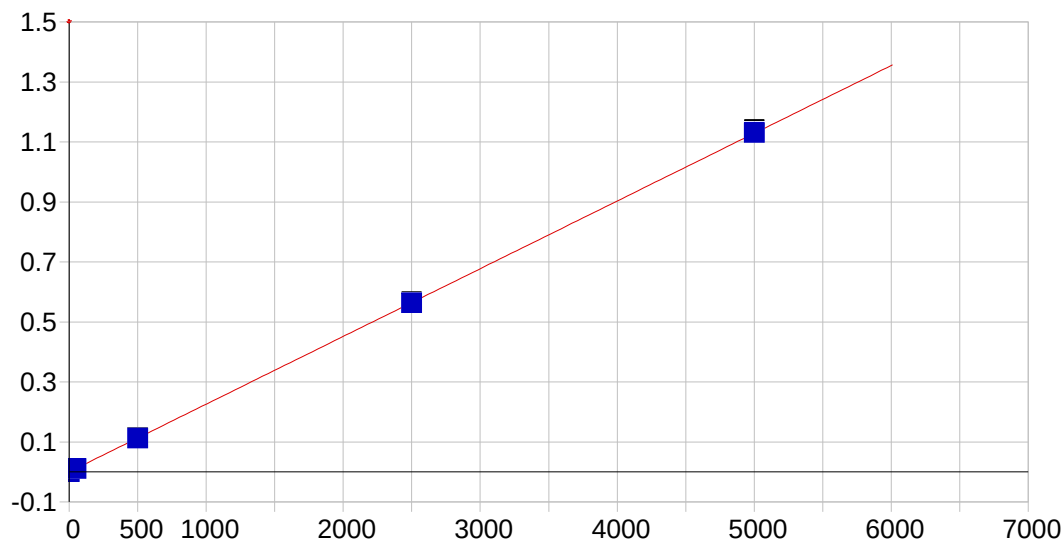


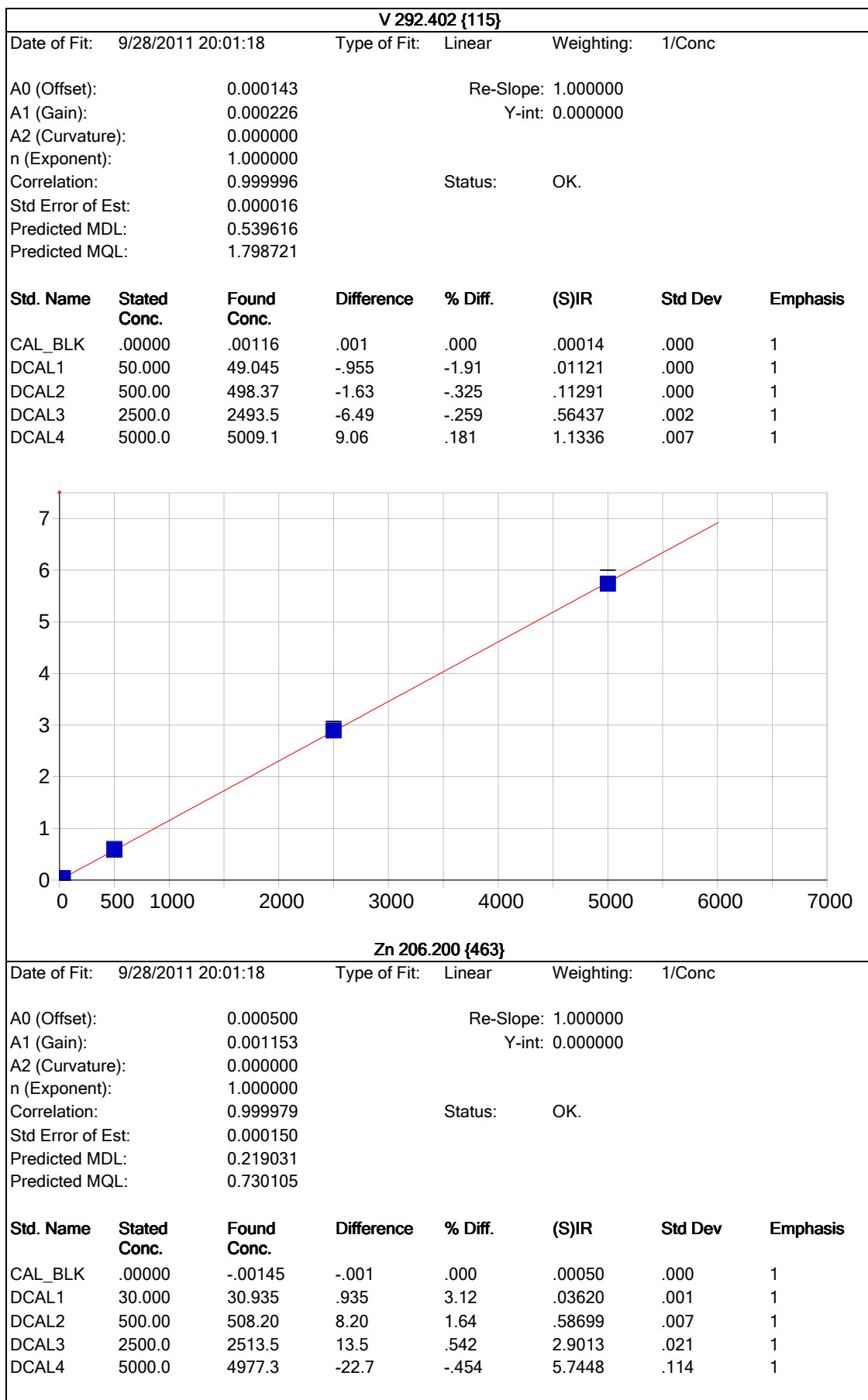
TI 190.856 {477}

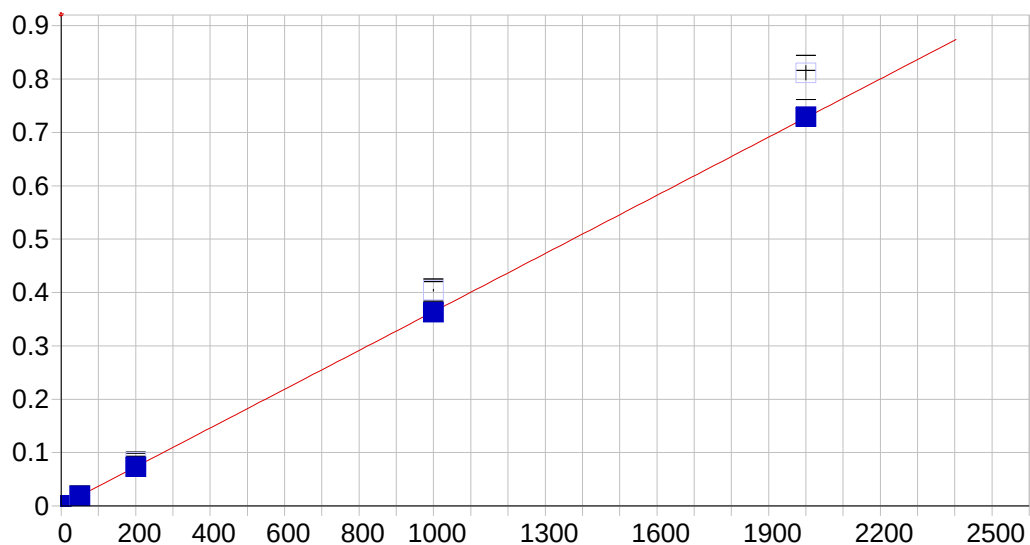
Date of Fit: 9/28/2011 20:01:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000385 Re-Slope: 1.000000
 A1 (Gain): 0.000128 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999633 Status: OK.
 Std Error of Est: 0.000040
 Predicted MDL: 1.981152
 Predicted MQL: 6.603839

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00270	-.003	.000	-.00039	.000	1
DCAL1	10.000	11.858	1.86	18.6	.00116	.000	1
DCAL2	500.00	542.90	42.9	8.58	.06942	.001	1
DCAL3	2500.0	2537.0	37.0	1.48	.32588	.003	1
DCAL4	5000.0	4918.2	-81.8	-1.64	.63215	.011	1





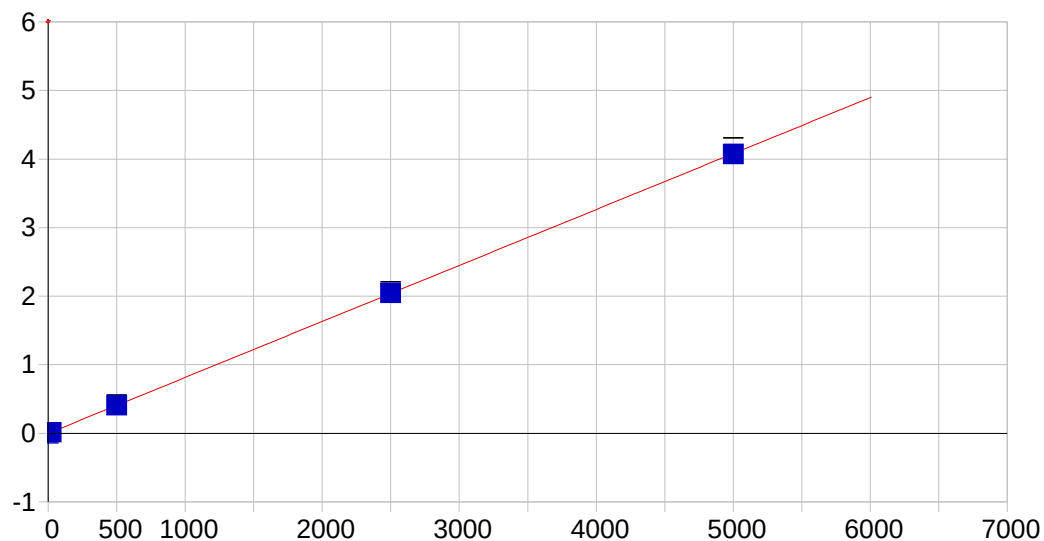


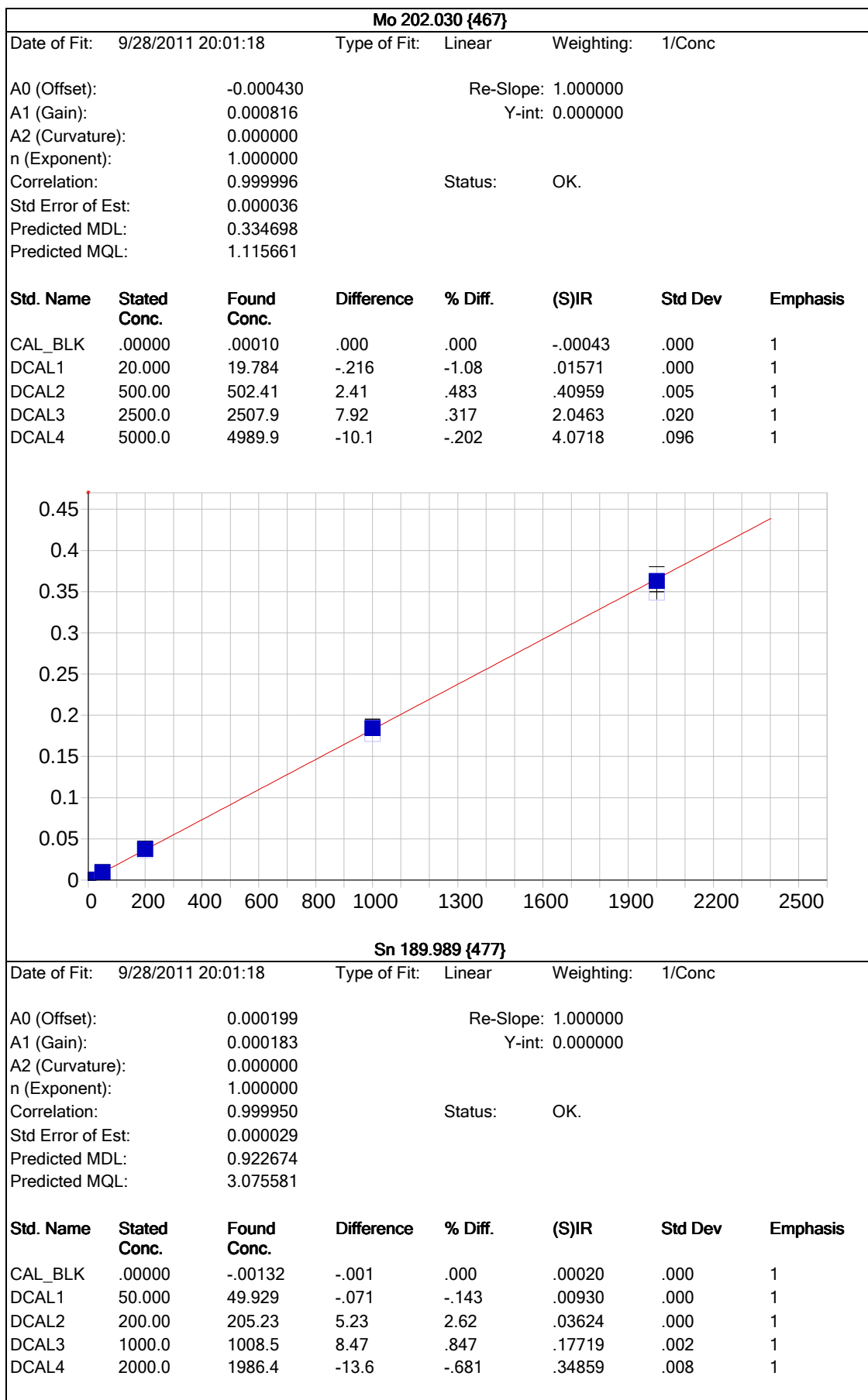
B 208.959 {461}

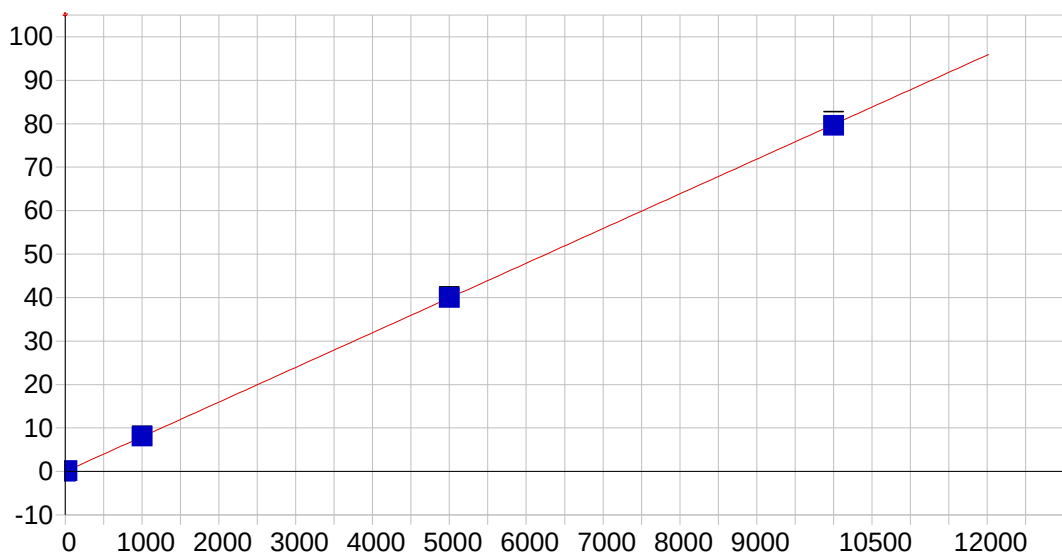
Date of Fit: 9/28/2011 20:01:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000567 Re-Slope: 1.000000
 A1 (Gain): 0.000363 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999996 Status: OK.
 Std Error of Est: 0.000018
 Predicted MDL: 0.770412
 Predicted MQL: 2.568041

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00076	.001	.000	.00057	.000	1
DCAL1	50.000	49.381	-.619	-1.24	.01887	.000	1
DCAL2	200.00	199.66	-.341	-.170	.08140	.001	1
DCAL3	1000.0	996.66	-3.34	-.334	.40414	.003	1
DCAL4	2000.0	2004.3	4.25	.213	.81168	.014	1





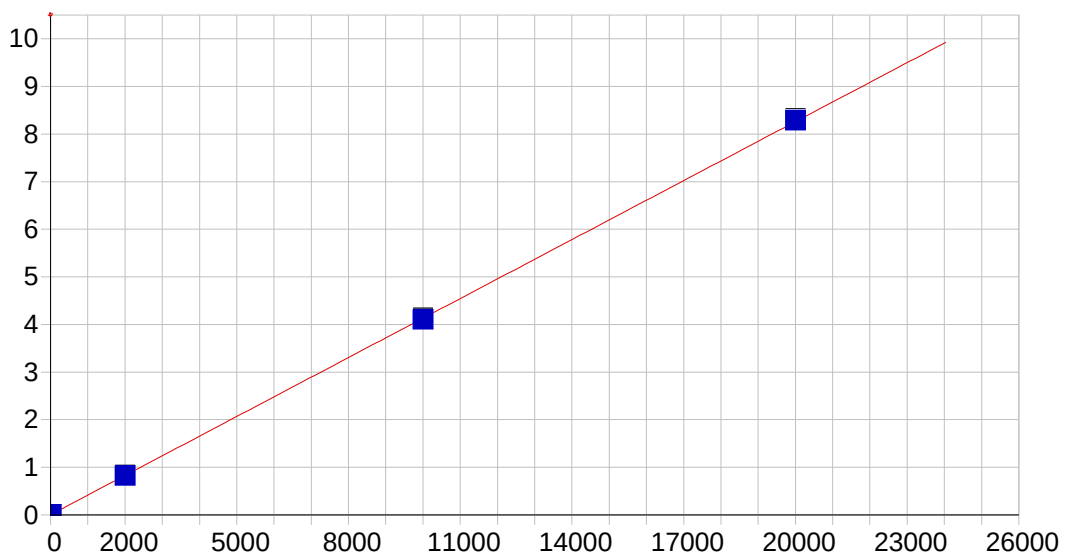


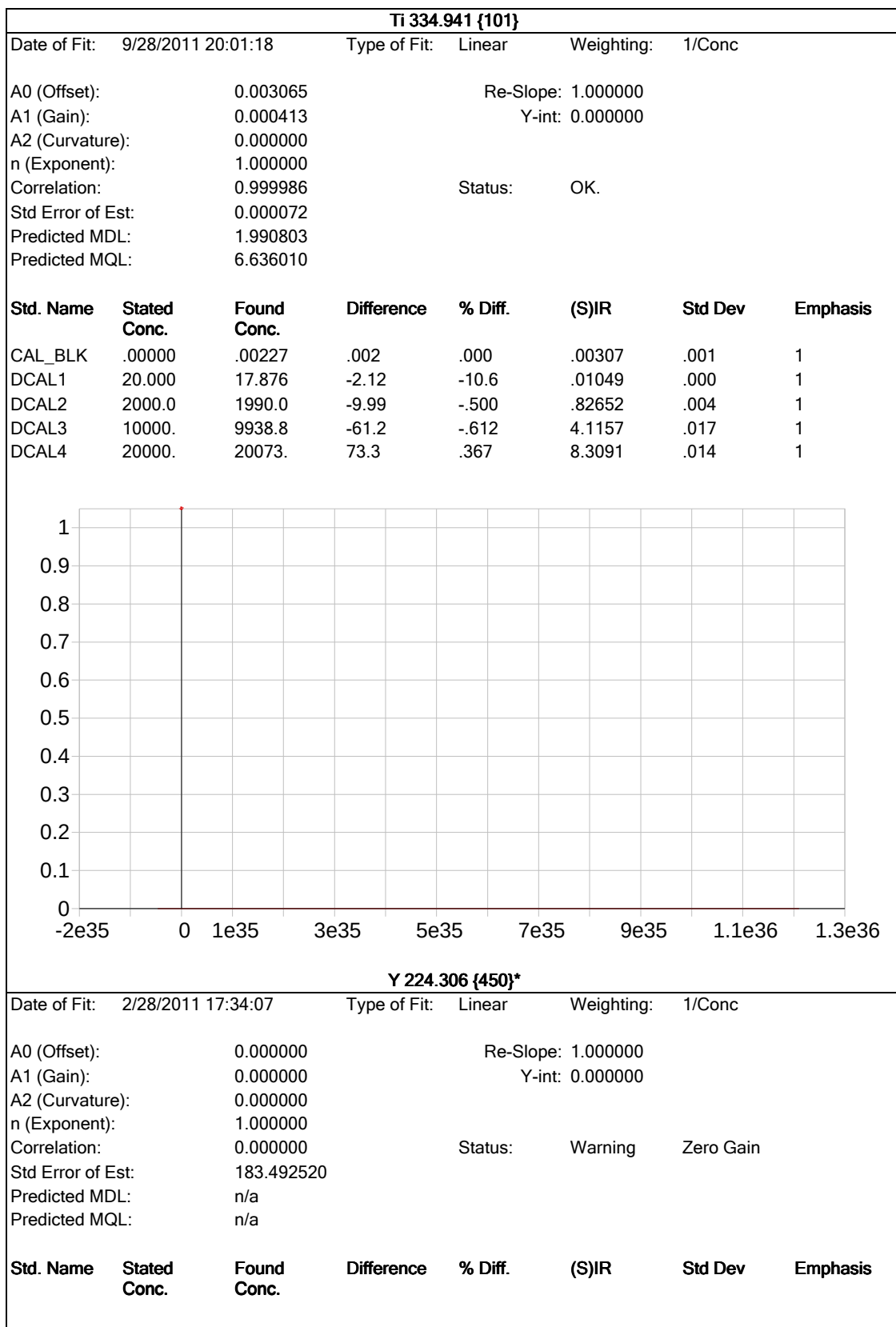
Sr 407.771 { 83}

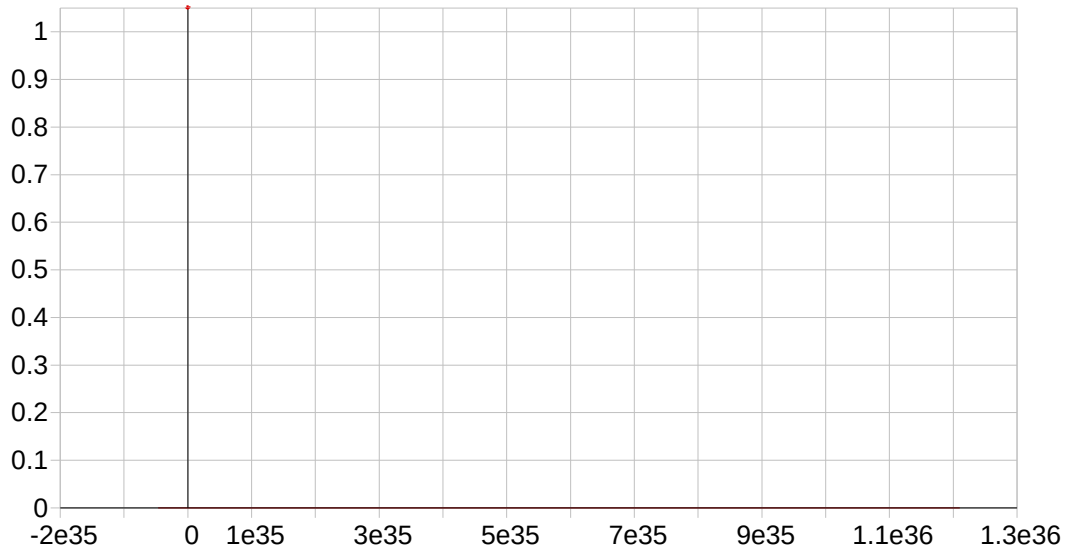
Date of Fit: 9/28/2011 20:01:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.003382 Re-Slope: 1.000000
 A1 (Gain): 0.007984 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999990 Status: OK.
 Std Error of Est: 0.000813
 Predicted MDL: 0.116426
 Predicted MQL: 0.388088

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00039	.000	.000	-.00339	.001	1
DCAL1	20.000	20.109	.109	.544	.15771	.002	1
DCAL2	1000.0	1014.1	14.1	1.41	8.0951	.042	1
DCAL3	5000.0	5013.5	13.5	.271	40.036	.206	1
DCAL4	10000.	9972.3	-27.7	-.277	79.638	.886	1





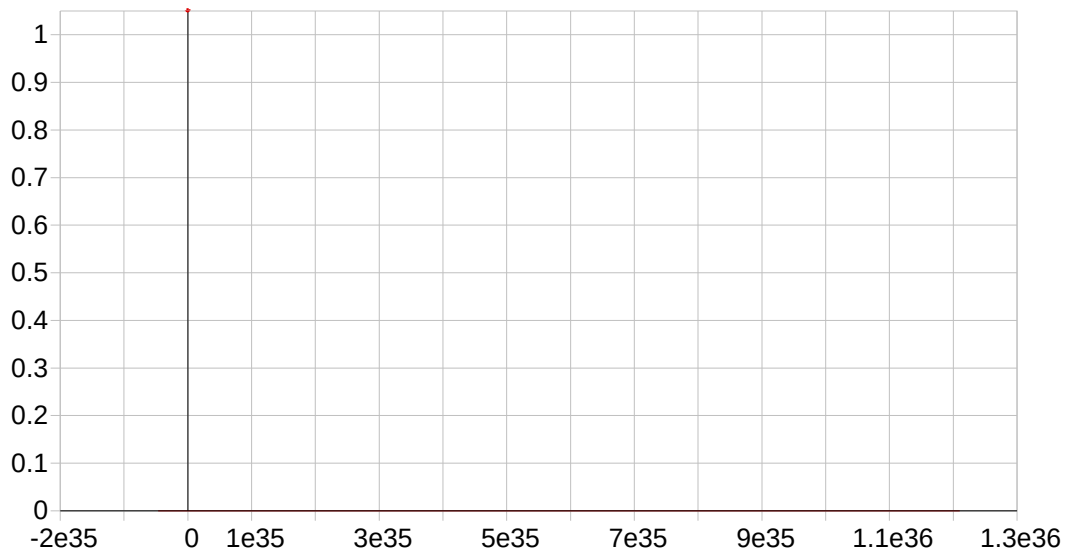


Y 360.073 { 94}*

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	
Correlation:	0.000000	Status: Warning Zero Gain
Std Error of Est:	0.000000	
Predicted MDL:	n/a	
Predicted MQL:	n/a	

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 371.030 { 91}*

Date of Fit: 12/31/2010 16:51:17 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:	192.759705						
Predicted MDL:	n/a						
Predicted MQL:	n/a						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

Sample Name: CAL_BLK Acquired: 9/28/2011 19:42:47 Type: Cal
Method: SW84609192011(v8) Mode: IR Corr. Factor: 1.000000
User: DAVEV 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	.0000	-.0001	.0002	.0001	-.0051
Stddev	.0001	.000	.0004	.0003	.0008	.0007
%RSD	16.56	587.5	740.9	133.2	549.2	14.30

#1	-.0007	.0001	.0003	.0005	-.0007	-.0053
#2	-.0008	.0000	.0000	-.0001	.0007	-.0057
#3	-.0006	-.0002	-.0005	.0002	.0004	-.0043

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	-.0003	-.0005	.0003	.0011	.0001	-.0136
Stddev	.0001	.0001	.0001	.0004	.0001	.0020
%RSD	18.58	21.39	32.06	34.28	60.33	14.39

#1	-.0004	-.0006	.0002	.0012	.0000	-.0157
#2	-.0003	-.0006	.0003	.0015	.0001	-.0118
#3	-.0003	-.0004	.0004	.0007	.0001	-.0133

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	.0003	.0016	-.0003	.0003	.0003
Stddev	.0001	.0001	.0044	.0005	.0002	.0001
%RSD	134.9	30.75	275.2	164.7	63.61	54.94

#1	.0000	.0003	.0039	-.0008	.0004	.0002
#2	.0000	.0002	.0043	-.0003	.0004	.0001
#3	-.0001	.0004	-.0035	.0002	.0001	.0004

Sample Name: CAL_BLK Acquired: 9/28/2011 19:42:47 Type: Cal
Method: SW84609192011(v8) Mode: IR Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se1960	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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	-.0004	.0001	.0005	.0006	-.0004
Stddev	.0001	.0002	.0002	.0002	.0003	.0000
%RSD	175.6	47.68	105.2	46.78	55.43	8.698

#1	.0001	-.0005	.0001	.0004	.0002	-.0004
#2	.0000	-.0002	.0003	.0003	.0006	-.0005
#3	.0001	-.0005	.0000	.0008	.0008	-.0004

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	-.0034	.0031
Stddev	.0000	.0010	.0007
%RSD	7.720	28.45	23.60

#1	.0002	-.0031	.0036
#2	.0002	-.0045	.0033
#3	.0002	-.0026	.0022

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	2541.2	36657.	5823.1
Stddev	4.5	187.	224.1
%RSD	.17519	.51007	3.8493

#1	2536.1	36765.	6081.9
#2	2543.5	36766.	5691.7
#3	2544.0	36441.	5695.7

Sample Name: DCAL1 Acquired: 9/28/2011 19:46:38 Type: Cal
Method: SW84609192011(v8) Mode: IR Corr. Factor: 1.000000
User: DAVEV 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	.0125	.0004	.0025	.5566	.0119	.2722
Stddev	.0004	.0002	.0002	.0058	.0005	.0027
%RSD	3.501	51.50	7.817	1.033	3.774	.9815

#1	.0127	.0002	.0027	.5611	.0116	.2751
#2	.0120	.0004	.0023	.5587	.0118	.2719
#3	.0128	.0006	.0024	.5501	.0124	.2697

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	.0156	.0579	.0024	.0051	.0016	.1613
Stddev	.0003	.0008	.0001	.0005	.0001	.0018
%RSD	1.704	1.365	2.710	9.188	5.720	1.106

#1	.0159	.0584	.0024	.0057	.0015	.1593
#2	.0154	.0583	.0023	.0047	.0015	.1625
#3	.0156	.0570	.0024	.0050	.0017	.1622

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	.1465	.0272	.4883	.0397	.0019	.0016
Stddev	.0001	.0001	.0046	.0009	.0002	.0003
%RSD	.0760	.4008	.9455	2.229	11.11	21.25

#1	.1464	.0271	.4936	.0399	.0021	.0018
#2	.1466	.0272	.4862	.0405	.0018	.0017
#3	.1465	.0273	.4850	.0388	.0018	.0012

Sample Name: DCAL1 Acquired: 9/28/2011 19:46:38 Type: Cal
Method: SW84609192011(v8) Mode: IR Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se1960	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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	.0012	.0112	.0362	.0189	.0157
Stddev	.0002	.0001	.0002	.0005	.0001	.0003
%RSD	31.74	5.656	1.410	1.475	.6740	2.155

#1	.0007	.0012	.0110	.0364	.0187	.0161
#2	.0004	.0011	.0112	.0366	.0188	.0157
#3	.0007	.0011	.0114	.0356	.0190	.0154

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	.1577	.0105
Stddev	.0001	.0016	.0004
%RSD	1.600	1.034	4.128

#1	.0093	.1590	.0110
#2	.0095	.1583	.0102
#3	.0092	.1559	.0103

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	2522.3	36278.	5666.0
Stddev	3.7	61.	41.3
%RSD	.14552	.16706	.72963

#1	2520.2	36270.	5624.0
#2	2520.2	36342.	5706.7
#3	2526.6	36222.	5667.5

Sample Name: DCAL2 Acquired: 9/28/2011 19:50:24 Type: Cal
Method: SW84609192011(v8) Mode: IR Corr. Factor: 1.000000
User: DAVEV 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	1.614	.0359	.0631	5.513	1.177	1.383
Stddev	.005	.0003	.0003	.065	.004	.005
%RSD	.3042	.7171	.4752	1.176	.3089	.3855

#1	1.609	.0357	.0628	5.521	1.174	1.379
#2	1.615	.0362	.0633	5.573	1.176	1.381
#3	1.618	.0358	.0632	5.444	1.181	1.389

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	.9932	.5776	.2202	.3773	.1905	.3422
Stddev	.0098	.0061	.0009	.0017	.0009	.0039
%RSD	.9900	1.063	.3872	.4478	.4511	1.140

#1	.9936	.5778	.2193	.3761	.1898	.3388
#2	1.003	.5837	.2210	.3766	.1914	.3413
#3	.9832	.5714	.2202	.3793	.1903	.3465

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	.7111	1.770	2.429	.4880	.4244	.0296
Stddev	.0023	.005	.012	.0058	.0047	.0003
%RSD	.3208	.2932	.4962	1.190	1.103	1.027

#1	.7085	1.764	2.416	.4888	.4256	.0297
#2	.7123	1.770	2.432	.4933	.4284	.0298
#3	.7127	1.775	2.439	.4818	.4193	.0292

Sample Name: DCAL2 Acquired: 9/28/2011 19:50:24 Type: Cal
Method: SW84609192011(v8) Mode: IR Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se1960	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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0349	.0694	.1129	.5870	.0814	.4096
Stddev	.0005	.0011	.0004	.0073	.0010	.0054
%RSD	1.374	1.556	.3723	1.244	1.238	1.327

#1	.0351	.0701	.1126	.5881	.0814	.4110
#2	.0353	.0700	.1134	.5937	.0824	.4142
#3	.0344	.0682	.1128	.5792	.0804	.4036

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	.0362	8.095	.8265
Stddev	.0004	.042	.0040
%RSD	1.010	.5186	.4859

#1	.0363	8.055	.8220
#2	.0366	8.091	.8277
#3	.0358	8.139	.8298

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	2464.8	35059.	5585.9
Stddev	18.1	231.	9.1
%RSD	.73553	.66022	.16333

#1	2465.3	35242.	5581.1
#2	2446.5	35136.	5596.5
#3	2482.7	34799.	5580.2

Sample Name: DCAL3 Acquired: 9/28/2011 19:54:00 Type: Cal
Method: SW84609192011(v8) Mode: IR Corr. Factor: 1.000000
User: DAVEV 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	8.079	.1829	.3212	27.11	5.796	6.754
Stddev	.029	.0012	.0009	.22	.027	.025
%RSD	.3553	.6410	.2657	.7952	.4641	.3672

#1	8.058	.1831	.3202	27.15	5.773	6.744
#2	8.068	.1840	.3218	27.31	5.791	6.736
#3	8.112	.1817	.3216	26.88	5.826	6.783

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	4.820	2.815	1.079	1.851	.9362	1.770
Stddev	.034	.022	.002	.007	.0015	.009
%RSD	.7120	.7673	.2266	.3970	.1631	.4840

#1	4.823	2.818	1.077	1.846	.9344	1.764
#2	4.852	2.834	1.081	1.849	.9372	1.766
#3	4.784	2.791	1.077	1.860	.9369	1.780

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	3.584	8.611	12.22	2.370	2.029	.1515
Stddev	.012	.038	.05	.020	.014	.0009
%RSD	.3379	.4447	.4082	.8517	.6705	.6251

#1	3.570	8.576	12.19	2.374	2.028	.1519
#2	3.594	8.652	12.18	2.388	2.043	.1522
#3	3.587	8.605	12.27	2.349	2.016	.1505

Sample Name: DCAL3 Acquired: 9/28/2011 19:54:00 Type: Cal
Method: SW84609192011(v8) Mode: IR Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se1960	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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1754	.3259	.5644	2.901	.4041	2.046
Stddev	.0010	.0028	.0018	.021	.0026	.020
%RSD	.5673	.8610	.3169	.7305	.6329	.9589

#1	.1750	.3274	.5623	2.902	.4044	2.050
#2	.1765	.3276	.5658	2.922	.4066	2.064
#3	.1746	.3226	.5650	2.880	.4015	2.025

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	.1772	40.04	4.116
Stddev	.0017	.21	.017
%RSD	.9650	.5147	.4153

#1	.1775	39.89	4.105
#2	.1787	39.94	4.107
#3	.1753	40.27	4.135

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	2321.1	33220.	5487.1
Stddev	10.5	160.	21.3
%RSD	.45319	.48072	.38906

#1	2321.4	33404.	5472.1
#2	2310.4	33113.	5511.5
#3	2331.5	33144.	5477.6

Sample Name: DCAL4 Acquired: 9/28/2011 19:57:28 Type: Cal
Method: SW84609192011(v8) Mode: IR Corr. Factor: 1.000000
User: DAVEV 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	16.35	.3728	.6621	53.29	11.57	13.09
Stddev	.01	.0081	.0031	1.06	.01	.03
%RSD	.0623	2.168	.4710	1.991	.0530	.2172

#1	16.36	.3760	.6604	53.74	11.57	13.06
#2	16.35	.3788	.6657	54.04	11.58	13.11
#3	16.34	.3636	.6601	52.07	11.58	13.11

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	9.539	5.559	2.139	3.715	1.856	3.612
Stddev	.176	.117	.017	.004	.013	.009
%RSD	1.848	2.096	.7757	.1006	.6951	.2450

#1	9.617	5.613	2.135	3.714	1.853	3.603
#2	9.663	5.638	2.157	3.712	1.869	3.614
#3	9.337	5.425	2.125	3.719	1.844	3.620

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	7.179	16.84	24.45	4.656	3.989	.3073
Stddev	.053	.17	.03	.097	.073	.0071
%RSD	.7450	.9892	.1351	2.081	1.821	2.301

#1	7.119	16.66	24.43	4.703	4.023	.3112
#2	7.222	16.99	24.43	4.721	4.038	.3115
#3	7.197	16.87	24.49	4.545	3.905	.2991

Sample Name: DCAL4 Acquired: 9/28/2011 19:57:28 Type: Cal
Method: SW84609192011(v8) Mode: IR Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se1960	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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3575	.6321	1.134	5.745	.8117	4.072
Stddev	.0063	.0108	.007	.114	.0139	.096
%RSD	1.751	1.704	.6334	1.987	1.712	2.361

#1	.3605	.6372	1.132	5.799	.8173	4.120
#2	.3617	.6394	1.141	5.821	.8219	4.134
#3	.3503	.6198	1.127	5.614	.7959	3.961

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	.3486	79.64	8.309
Stddev	.0081	.89	.014
%RSD	2.319	1.112	.1670

#1	.3528	78.62	8.325
#2	.3537	80.10	8.298
#3	.3393	80.20	8.305

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	2219.8	31964.	5396.7
Stddev	13.1	249.	17.9
%RSD	.58822	.78013	.33222

#1	2215.4	32251.	5414.0
#2	2209.5	31846.	5398.0
#3	2234.4	31796.	5378.2

Sample Name: ICV Acquired: 9/28/2011 20:01:25 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	124100.	2481.	1229.	10050.	990.5	126000.
Stddev	389.	22.	7.	93.	3.1	320.
%RSD	.3136	.9002	.5943	.9218	.3134	.2536

#1	124000.	2492.	1225.	10090.	991.0	126100.
#2	124600.	2496.	1237.	10110.	993.3	126200.
#3	123800.	2456.	1224.	9942.	987.2	125600.

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.	2496.	4993.	12400.	99630.	49310.
Stddev	11.	23.	25.	45.	570.	71.
%RSD	.8802	.9109	.5002	.3623	.5720	.1430

#1	1266.	2505.	4994.	12390.	99450.	49380.
#2	1268.	2512.	5018.	12450.	100300.	49300.
#3	1248.	2470.	4968.	12360.	99170.	49240.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 9/28/2011 20:01:25 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	124200.	5051.	122500.	2532.	7538.	1011.
Stddev	687.	30.	480.	24.	65.	12.
%RSD	.5531	.5936	.3920	.9592	.8683	1.163

#1	124100.	5060.	122200.	2540.	7562.	1016.
#2	124900.	5076.	123100.	2551.	7588.	1020.
#3	123500.	5018.	122200.	2504.	7464.	998.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	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	2446.	2556.	2465.	2491.	1001.	2503.
Stddev	18.	22.	16.	23.	8.	27.
%RSD	.7178	.8679	.6326	.9096	.7870	1.063

#1	2454.	2568.	2461.	2502.	1005.	2517.
#2	2459.	2571.	2483.	2505.	1006.	2519.
#3	2426.	2531.	2452.	2465.	992.0	2472.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 9/28/2011 20:01:25 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	996.7	4997.	9843.
Stddev	11.8	8.	27.
%RSD	1.180	.1557	.2719

#1	1003.	4999.	9838.
#2	1004.	5003.	9872.
#3	983.2	4988.	9819.

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	2341.8	33464.	5496.8
Stddev	12.4	128.	11.5
%RSD	.53093	.38288	.20910

#1	2335.3	33441.	5489.1
#2	2333.9	33350.	5491.4
#3	2356.1	33603.	5510.0

Sample Name: CCB Acquired: 9/28/2011 20:04:55 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	17.39	.7442	-.4271	.2470	-.0209	.7083
Stddev	19.07	2.043	.3350	.2619	.1174	15.45
%RSD	109.7	274.6	78.44	106.0	563.0	2181.

#1	-3.127	-1.603	-.0525	.5472	.1143	17.65
#2	20.73	2.126	-.5308	.0659	-.0982	-2.913
#3	34.57	1.709	-.6980	.1279	-.0786	-12.61

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	.1402	.2043	-.4719	-.3305	.1282	66.48
Stddev	.0901	.1608	.4752	2.969	4.756	28.79
%RSD	64.24	78.74	100.7	898.3	3710.	43.31

#1	.1565	.2500	-.2990	-3.412	4.144	58.48
#2	.0431	.3373	-.1073	2.511	1.364	98.43
#3	.2211	.0255	-1.009	-.0906	-5.124	42.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/28/2011 20:04:55 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	6.146	.2554	8.968	.1517	.0363	3.264
Stddev	5.072	.1351	28.28	.0795	.8551	.910
%RSD	82.53	52.91	315.3	52.40	2358.	27.88
#1	12.00	.3923	34.03	.0708	-.5254	2.213
#2	3.451	.2517	14.56	.1547	-.3863	3.775
#3	2.990	.1221	-21.69	.2297	1.020	3.803

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.795	1.826	-.2502	.1797	2.712	4.881
Stddev	.216	1.015	.2501	.0410	1.280	.519
%RSD	12.04	55.58	99.96	22.79	47.18	10.64
#1	1.703	1.486	-.3057	.2266	4.177	4.745
#2	2.042	1.024	.0230	.1509	2.144	5.454
#3	1.641	2.967	-.4678	.1616	1.815	4.442

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/28/2011 20:04:55 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	.5873	.2493	2.890
Stddev	.6085	.0539	3.289
%RSD	103.6	21.62	113.8

#1	-.0859	.2869	-.5811
#2	.7496	.2734	3.290
#3	1.098	.1875	5.961

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	2543.5	36445.	5552.5
Stddev	8.2	169.	22.3
%RSD	.32180	.46416	.40215

#1	2546.6	36605.	5573.2
#2	2534.2	36268.	5528.8
#3	2549.6	36462.	5555.4

Sample Name: ICSA 1165859 Acquired: 9/28/2011 20:08:47 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	511300.	1.209	1.151	1.985	-.1066	467100.
Stddev	517.	1.793	.330	.165	.0629	322.
%RSD	.1012	148.4	28.64	8.303	58.97	.0689

#1	511500.	.7440	1.488	1.819	-.1108	467400.
#2	510700.	3.189	.8287	1.988	-.1672	467100.
#3	511600.	-.3066	1.137	2.149	-.0417	466800.

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	-.7203	.1119	-.8369	-1.592	200400.	-56.86
Stddev	.1725	.1487	.5492	2.441	1047.	63.79
%RSD	23.95	132.9	65.63	153.3	.5228	112.2

#1	-.5288	.2790	-1.280	.2756	200400.	-68.31
#2	-.7688	-.0060	-.2225	-.6990	201400.	11.88
#3	-.8635	.0628	-1.008	-4.354	199300.	-114.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: IC5A 1165859 Acquired: 9/28/2011 20:08:47 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	520500.	-.2797	-102.0	.0920	3.399	-4.444
Stddev	2537.	.0756	13.3	.7260	1.565	1.481
%RSD	.4873	27.03	13.07	789.1	46.05	33.33

#1	517700.	-.2432	-87.60	-.6530	3.330	-3.246
#2	522600.	-.2293	-104.4	.7973	1.870	-6.101
#3	521200.	-.3666	-113.9	.1317	4.998	-3.986

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.099	-2.402	-3.093	1.707	4.782	-1.516
Stddev	2.224	1.116	.553	.339	1.158	.180
%RSD	202.4	46.47	17.88	19.87	24.21	11.85

#1	-1.401	-1.225	-3.612	1.867	6.118	-1.335
#2	1.839	-3.445	-3.155	1.936	4.163	-1.694
#3	2.859	-2.537	-2.511	1.317	4.066	-1.519

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSEA 1165859 Acquired: 9/28/2011 20:08:47 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	-.1947	-4.097	23.72
Stddev	.5456	.127	1.26
%RSD	280.3	3.092	5.329

#1	-.5318	-4.082	22.98
#2	-.4871	-3.979	25.18
#3	.4348	-4.231	23.00

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	2287.8	31439.	5366.9
Stddev	8.7	119.	5.4
%RSD	.38147	.37717	.10035

#1	2289.2	31552.	5369.2
#2	2278.4	31315.	5370.8
#3	2295.7	31449.	5360.8

Sample Name: ICSAB 1165868 Acquired: 9/28/2011 20:12:39 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	513800.	101.4	106.6	104.1	101.5	466400.
Stddev	784.	1.9	1.0	1.2	.1	656.
%RSD	.1527	1.900	.9408	1.183	.1380	.1406

#1	514100.	102.2	105.5	104.6	101.6	466800.
#2	512900.	102.8	107.4	105.0	101.5	465700.
#3	514300.	99.21	106.9	102.7	101.3	466900.

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	98.16	98.15	102.8	99.23	202400.	10700.
Stddev	1.37	.73	.9	.16	1186.	46.
%RSD	1.400	.7415	.8815	.1595	.5859	.4296

#1	98.90	98.33	102.0	99.29	201500.	10720.
#2	99.00	98.77	103.8	99.35	203800.	10650.
#3	96.57	97.35	102.6	99.05	201900.	10740.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1165868 Acquired: 9/28/2011 20:12:39 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	522600.	103.5	10530.	96.81	100.1	96.01
Stddev	3573.	.7	47.	1.36	1.9	3.37
%RSD	.6838	.6966	.4503	1.399	1.941	3.510

#1	518400.	103.0	10500.	97.39	98.79	97.21
#2	524300.	104.4	10510.	97.77	99.13	98.61
#3	524900.	103.2	10580.	95.26	102.3	92.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	96.22	92.95	99.68	99.12	101.0	95.45
Stddev	2.09	3.65	.80	1.46	2.4	1.95
%RSD	2.167	3.925	.8058	1.470	2.360	2.040

#1	94.41	93.19	99.04	99.51	103.7	96.33
#2	95.76	96.47	100.6	100.3	99.67	96.80
#3	98.50	89.18	99.42	97.51	99.53	93.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1165868 Acquired: 9/28/2011 20:12:39 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	91.56	113.1	F 125.4
Stddev	1.65	.1	.9
%RSD	1.804	.0900	.7299

#1	92.61	113.1	124.7
#2	92.42	113.2	126.5
#3	89.66	113.0	125.1

Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			120.0
Low Limit			80.00

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	2275.8	31475.	5403.4
Stddev	8.5	177.	30.0
%RSD	.37472	.56262	.55506

#1	2283.8	31674.	5405.9
#2	2266.8	31416.	5432.1
#3	2276.6	31335.	5372.3

Sample Name: INT-10 1165870 Acquired: 9/28/2011 20:16:23 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	62.84	-1.590	-3.776	-1.623	F -2.766	69.57
Stddev	6.31	1.602	.570	.207	.096	11.16
%RSD	10.04	100.8	15.09	12.75	3.483	16.04
#1	58.61	.1630	-4.174	-1.682	-2.877	75.73
#2	59.83	-1.956	-3.123	-1.795	-2.723	76.29
#3	70.10	-2.979	-4.031	-1.393	-2.699	56.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2.000	
Low Limit					-2.000	

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	-7.7985	10940.	10200.	-7.842	-39.01	52.84
Stddev	.0968	277.	108.	.916	16.07	61.54
%RSD	12.13	2.533	1.054	11.68	41.20	116.5
#1	-.7375	11060.	10230.	-7.098	-56.85	118.8
#2	-.7479	11130.	10290.	-7.562	-34.54	-3.006
#3	-.9102	10620.	10080.	-8.865	-25.65	42.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1165870 Acquired: 9/28/2011 20:16:23 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	126.6	10500.	-4.113	11080.	-1.464	-5.677
Stddev	6.9	134.	13.76	277.	.123	1.583
%RSD	5.448	1.278	334.6	2.497	8.398	27.89

#1	133.1	10540.	-2.825	11200.	-1.370	-6.258
#2	127.5	10620.	8.958	11270.	-1.420	-3.886
#3	119.4	10360.	-18.47	10760.	-1.603	-6.888

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	3.166	1.906	4957.	2.148	-3.818	5061.
Stddev	2.975	1.429	46.	.158	.987	142.
%RSD	93.96	75.01	.9327	7.372	25.85	2.814

#1	4.743	.5409	4969.	2.004	-2.678	5131.
#2	5.021	3.392	4997.	2.318	-4.412	5155.
#3	-.2652	1.784	4907.	2.122	-4.363	4898.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1165870 Acquired: 9/28/2011 20:16:23 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	10300.	10200.	9920.
Stddev	272.	126.	28.
%RSD	2.643	1.230	.2810

#1	10440.	10240.	9925.
#2	10470.	10060.	9946.
#3	9985.	10300.	9891.

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	2475.1	36583.	5598.3
Stddev	10.9	187.	18.5
%RSD	.43976	.51131	.33132

#1	2475.7	36616.	5580.6
#2	2463.9	36381.	5617.6
#3	2485.6	36750.	5596.6

Sample Name: 460-31616-f-1-c du@4 Acquired: 9/28/2011 20:20:21 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	832.2	3.577	-.6405	5.569	-.0148	33.63
Stddev	9.1	1.210	.5747	.147	.0786	18.71
%RSD	1.093	33.83	89.74	2.637	531.5	55.65

#1	837.8	3.839	-.0972	5.728	.0747	15.76
#2	821.7	4.636	-1.242	5.539	-.0725	32.04
#3	837.1	2.258	-.5821	5.439	-.0466	53.08

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	.0423	.6162	3.708	4.758	6347.	238.5
Stddev	.0516	.0931	.176	1.211	28.	22.0
%RSD	122.2	15.11	4.738	25.45	.4354	9.206

#1	-.0173	.6632	3.827	3.550	6348.	245.1
#2	.0746	.5090	3.791	5.972	6374.	256.4
#3	.0695	.6764	3.506	4.753	6319.	214.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31616-f-1-c du@4 Acquired: 9/28/2011 20:20:21 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	33.93	3.981	19.67	.9885	6.982	-.8216
Stddev	1.76	.317	8.37	.6738	.422	1.353
%RSD	5.182	7.961	42.53	68.16	6.040	164.6
#1	32.36	4.341	18.34	1.636	7.183	-1.980
#2	35.83	3.858	12.06	1.038	6.497	.6651
#3	33.59	3.744	28.63	.2914	7.265	-1.150

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	2.013	-1.025	4.208	4.619	2.263	8.418
Stddev	.972	1.279	.508	.341	.310	.992
%RSD	48.27	124.7	12.08	7.376	13.68	11.78
#1	2.506	.0787	4.174	4.539	2.257	9.077
#2	.8936	-2.426	4.733	4.992	2.575	8.899
#3	2.639	-.7287	3.718	4.325	1.956	7.278

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31616-f-1-c du@4 Acquired: 9/28/2011 20:20:21 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	2.973	5.993	89.89
Stddev	.690	.124	3.84
%RSD	23.21	2.063	4.272

#1	2.462	6.072	88.76
#2	3.758	6.057	86.73
#3	2.699	5.851	94.16

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	2561.9	36958.	5584.5
Stddev	7.9	52.	14.0
%RSD	.30949	.13973	.25075

#1	2562.0	36998.	5596.7
#2	2553.9	36900.	5587.7
#3	2569.7	36976.	5569.2

Sample Name: 460-31616-f-1-b@4 Acquired: 9/28/2011 20:24:12 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	700.6	3.873	-5661	5.407	-.0309	13.10
Stddev	14.0	.754	.1656	.042	.0103	14.04
%RSD	1.994	19.46	29.25	.7690	33.40	107.2

#1	701.2	4.729	-.3848	5.432	-.0197	5.285
#2	686.3	3.305	-.7093	5.359	-.0399	29.31
#3	714.3	3.586	-.6041	5.430	-.0331	4.697

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	.0019	-.0755	2.349	2.557	4989.	163.4
Stddev	.0707	.2733	.188	4.693	33.	23.9
%RSD	3760.	362.1	7.980	183.5	.6534	14.65

#1	.0822	.1168	2.158	-2.792	4998.	154.0
#2	-.0251	-.3883	2.358	5.985	5016.	145.6
#3	-.0514	.0451	2.532	4.480	4953.	190.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31616-f-1-b@4 Acquired: 9/28/2011 20:24:12 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	31.32	3.207	25.50	.9417	5.844	.3551
Stddev	3.71	.066	14.51	.1239	1.040	.9513
%RSD	11.86	2.058	56.91	13.16	17.80	267.9

#1	32.96	3.268	41.69	1.077	6.942	-.1730
#2	27.07	3.137	13.65	.8340	5.716	1.453
#3	33.93	3.216	21.16	.9138	4.874	-.2151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	2.140	1.763	2.014	3.199	1.363	1.719
Stddev	1.006	1.441	.381	.154	.502	.248
%RSD	47.04	81.74	18.91	4.804	36.82	14.41

#1	2.561	1.332	2.316	3.099	1.285	1.485
#2	2.867	.5873	1.586	3.122	.9045	1.978
#3	.9910	3.371	2.140	3.376	1.899	1.694

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31616-f-1-b@4 Acquired: 9/28/2011 20:24:12 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	1.673	5.849	55.38
Stddev	.892	.031	.55
%RSD	53.32	.5328	.9922

#1	1.902	5.854	54.81
#2	2.428	5.877	55.90
#3	.6889	5.816	55.44

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	2551.3	36901.	5586.1
Stddev	6.3	154.	19.8
%RSD	.24550	.41754	.35476

#1	2558.4	37049.	5607.0
#2	2546.5	36913.	5567.6
#3	2549.0	36742.	5583.8

Sample Name: sd 460-31616-f-1-b@2 Acquired: 9/28/2011 20:28:04 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	142.9	.7569	-1.004	1.055	.0437	-21.08
Stddev	7.0	.7980	.468	.090	.0801	11.09
%RSD	4.871	105.4	46.61	8.564	183.4	52.60

#1	142.6	-.0357	-1.483	1.001	-.0350	-32.81
#2	136.0	.7461	-.5484	1.160	.0410	-19.62
#3	149.9	1.560	-.9796	1.006	.1250	-10.79

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	.0163	-.1425	.1082	1.695	955.8	66.97
Stddev	.0775	.1240	.2284	.861	12.6	42.34
%RSD	475.2	87.02	211.0	50.79	1.322	63.22

#1	.0319	-.0027	.3375	2.366	955.4	82.27
#2	-.0678	-.1855	.1062	1.996	968.6	19.11
#3	.0849	-.2393	-.1191	.7242	943.3	99.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-31616-f-1-b@2 Acquired: 9/28/2011 20:28:04 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	6.370	.6455	-39.58	.3531	1.184	1.363
Stddev	7.157	.0439	8.58	.4213	.261	2.068
%RSD	112.4	6.794	21.67	119.3	22.06	151.7

#1	-1.832	.6902	-30.16	.4819	1.258	.8147
#2	9.594	.6436	-46.93	-.1176	.8935	3.650
#3	11.35	.6026	-41.65	.6950	1.400	-.3759

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.682	-.2238	.2611	.8588	1.423	.5489
Stddev	2.545	1.149	.2247	.1865	.745	.4114
%RSD	151.3	513.4	86.06	21.72	52.33	74.95

#1	.2985	-1.538	.1230	.9959	1.966	.4652
#2	4.619	.2796	.5203	.9342	.5740	.9958
#3	.1285	.5875	.1398	.6464	1.729	.1858

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-31616-f-1-b@2 Acquired: 9/28/2011 20:28:04 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	1.521	1.126	9.675
Stddev	.923	.066	1.384
%RSD	60.69	5.865	14.30

#1	2.003	1.114	8.420
#2	2.103	1.198	11.16
#3	.4567	1.067	9.446

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	2567.3	37003.	5563.3
Stddev	10.1	8.	37.1
%RSD	.39497	.02185	.66767

#1	2566.4	36994.	5530.6
#2	2557.7	37009.	5603.7
#3	2577.9	37006.	5555.8

Sample Name: 460-31616-f-1-d ms@4 Acquired: 9/28/2011 20:31:55 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	3932.	935.4	23.44	1025.	24.81	10460.
Stddev	16.	4.7	.19	4.	.13	26.
%RSD	.3982	.4979	.8167	.3482	.5157	.2444
#1	3929.	931.5	23.22	1024.	24.94	10470.
#2	3919.	940.5	23.52	1028.	24.68	10430.
#3	3950.	934.2	23.58	1021.	24.82	10480.
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	25.18	254.8	102.3	128.5	4533.	9870.
Stddev	.15	1.8	.8	3.1	18.	27.
%RSD	.6100	.7130	.7456	2.393	.3997	.2705
#1	25.09	255.1	102.4	130.8	4513.	9900.
#2	25.36	256.4	101.6	125.0	4549.	9850.
#3	25.09	252.8	103.1	129.7	4538.	9860.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31616-f-1-d ms@4 Acquired: 9/28/2011 20:31:55 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	9829.	264.4	9766.	260.0	267.0	227.3
Stddev	57.	1.2	58.	1.8	1.7	1.1
%RSD	.5826	.4476	.5945	.6869	.6267	.4976

#1	9793.	263.8	9749.	259.2	265.5	227.4
#2	9799.	263.7	9717.	262.0	268.8	228.3
#3	9895.	265.8	9830.	258.7	266.8	226.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	915.2	1083.	245.3	249.6	242.8	246.1
Stddev	5.2	6.	1.1	1.4	.6	1.3
%RSD	.5735	.5106	.4336	.5551	.2645	.5338

#1	913.9	1080.	244.7	248.3	242.0	246.1
#2	920.9	1089.	244.7	251.1	243.2	247.5
#3	910.7	1079.	246.5	249.5	243.0	244.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31616-f-1-d ms@4 Acquired: 9/28/2011 20:31:55 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	248.8	254.9	282.4
Stddev	1.8	.7	.9
%RSD	.7405	.2929	.3197

#1	249.6	254.8	282.4
#2	250.2	254.2	281.4
#3	246.8	255.7	283.2

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	2504.4	35785.	5539.9
Stddev	3.7	125.	14.5
%RSD	.14800	.34896	.26244

#1	2508.5	35837.	5529.3
#2	2501.2	35875.	5556.5
#3	2503.5	35642.	5533.9

Sample Name: pds 460-31616-f-1-b@ Acquired: 9/28/2011 20:35:30 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	2695.	1918.	45.43	2039.	50.25	20980.
Stddev	20.	17.	.45	17.	.62	135.
%RSD	.7314	.8838	1.000	.8339	1.234	.6456
#1	2692.	1935.	45.84	2056.	50.67	21130.
#2	2716.	1917.	44.94	2037.	50.54	20900.
#3	2676.	1901.	45.50	2022.	49.53	20890.
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	51.04	513.4	206.4	257.1	5961.	19700.
Stddev	.45	4.1	2.5	2.4	24.	103.
%RSD	.8772	.7902	1.203	.9409	.4097	.5249
#1	51.31	517.5	208.9	256.6	5989.	19790.
#2	51.30	513.2	206.4	259.7	5950.	19720.
#3	50.53	509.4	203.9	255.0	5943.	19590.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-31616-f-1-b@ Acquired: 9/28/2011 20:35:30 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	19780.	531.1	19740.	522.5	530.3	474.3
Stddev	148.	4.2	179.	4.5	3.3	5.7
%RSD	.7458	.7935	.9061	.8612	.6153	1.207

#1	19940.	535.9	19950.	527.2	533.3	479.3
#2	19740.	529.7	19640.	522.2	530.7	475.5
#3	19660.	527.9	19640.	518.2	526.8	468.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1879.	2132.	500.6	506.3	542.0	502.1
Stddev	18.	12.	3.2	4.3	2.7	5.6
%RSD	.9364	.5412	.6314	.8454	.4959	1.114

#1	1898.	2145.	504.1	510.4	544.9	507.4
#2	1873.	2128.	499.7	506.6	541.3	502.5
#3	1864.	2124.	497.9	501.8	539.7	496.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-31616-f-1-b@ Acquired: 9/28/2011 20:35:30 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	500.9	498.8	558.7
Stddev	4.5	3.8	4.0
%RSD	.9035	.7656	.7176

#1	504.2	503.0	562.3
#2	502.8	497.9	559.5
#3	495.8	495.5	554.4

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	2492.7	35494.	5561.2
Stddev	2.8	170.	25.0
%RSD	.11035	.47766	.44939

#1	2490.2	35298.	5532.7
#2	2495.6	35589.	5579.4
#3	2492.2	35595.	5571.5

Sample Name: 460-31616-f-2-b@4 Acquired: 9/28/2011 20:39:00 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	18060.	24.23	-.6023	41.14	.2449	1514.
Stddev	61.	3.43	.8535	.52	.0479	14.
%RSD	.3372	14.14	141.7	1.264	19.57	.9270

#1	18130.	27.59	-.3656	41.47	.2007	1498.
#2	18020.	20.74	.1079	41.41	.2381	1522.
#3	18030.	24.35	-1.549	40.54	.2958	1522.

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	-.0905	.2923	29.49	13.38	15510.	1672.
Stddev	.0807	.1560	.65	6.57	72.	46.
%RSD	89.19	53.38	2.190	49.11	.4671	2.764

#1	-.0782	.1762	29.42	17.22	15530.	1701.
#2	-.1766	.2310	30.17	5.792	15560.	1619.
#3	-.0166	.4697	28.89	17.13	15420.	1696.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31616-f-2-b@4 Acquired: 9/28/2011 20:39:00 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	561.4	17.66	85.14	2.433	29.21	.8377
Stddev	3.3	.06	4.92	.064	2.02	1.965
%RSD	.5925	.3664	5.777	2.642	6.900	234.6

#1	559.5	17.63	90.80	2.443	31.53	-.9705
#2	559.5	17.61	82.63	2.492	27.83	.5538
#3	565.3	17.73	81.98	2.365	28.28	2.930

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	3.438	2.020	91.63	12.49	3.934	3.036
Stddev	1.120	2.301	.47	.13	.753	.182
%RSD	32.58	113.9	.5158	1.029	19.14	5.989

#1	2.262	4.213	91.60	12.58	4.571	2.967
#2	4.492	-.3755	92.12	12.34	4.127	3.242
#3	3.558	2.221	91.18	12.54	3.103	2.898

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31616-f-2-b@4 Acquired: 9/28/2011 20:39:00 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	1.553	14.87	186.0
Stddev	1.137	.09	1.3
%RSD	73.23	.6316	.6988

#1	2.745	14.98	185.9
#2	1.434	14.80	184.7
#3	.4803	14.84	187.3

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	2581.7	37217.	5633.2
Stddev	4.4	78.	14.5
%RSD	.17151	.20866	.25818

#1	2584.4	37173.	5630.6
#2	2584.0	37306.	5648.9
#3	2576.5	37171.	5620.1

Sample Name: 460-31616-f-3-b@4 Acquired: 9/28/2011 20:42:47 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	12120.	41.05	-1.030	26.58	.4457	843.9
Stddev	69.	1.44	.353	.66	.0547	12.0
%RSD	.5659	3.514	34.24	2.494	12.26	1.428

#1	12190.	42.43	-.7933	26.92	.4609	830.1
#2	12070.	41.18	-1.435	26.99	.4911	852.6
#3	12080.	39.55	-.8612	25.81	.3850	848.9

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	-.2096	.3513	71.75	48.67	63540.	1288.
Stddev	.0350	.1697	.75	2.14	337.	3.
%RSD	16.69	48.30	1.044	4.398	.5306	.2303

#1	-.2080	.1709	72.33	50.79	63830.	1286.
#2	-.1755	.3754	72.01	46.51	63610.	1286.
#3	-.2454	.5077	70.90	48.70	63170.	1291.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31616-f-3-b@4 Acquired: 9/28/2011 20:42:47 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	359.6	13.51	192.9	1.117	26.23	-1.440
Stddev	2.2	.10	8.1	.080	.56	3.224
%RSD	.6248	.7231	4.212	7.138	2.123	223.9

#1	360.8	13.58	202.2	1.152	26.76	-3.340
#2	360.9	13.54	189.8	1.026	26.29	-3.261
#3	357.0	13.40	186.9	1.173	25.65	2.282

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.296	-2.460	95.49	18.63	4.704	1.597
Stddev	3.166	1.353	.66	.37	.428	.151
%RSD	244.3	55.00	.6947	1.982	9.097	9.436

#1	1.309	-3.878	95.69	18.47	4.213	1.467
#2	4.456	-2.317	96.02	19.05	4.899	1.762
#3	-1.877	-1.184	94.75	18.36	4.999	1.561

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31616-f-3-b@4 Acquired: 9/28/2011 20:42:47 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	2.470	14.63	265.7
Stddev	.287	.17	1.6
%RSD	11.62	1.146	.5852

#1	2.682	14.79	266.8
#2	2.584	14.46	266.2
#3	2.143	14.66	263.9

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	2615.1	37363.	5744.1
Stddev	16.9	106.	3.3
%RSD	.64459	.28483	.05661

#1	2616.3	37373.	5741.2
#2	2597.7	37253.	5747.7
#3	2631.4	37465.	5743.5

Sample Name: CCV Acquired: 9/28/2011 20:46:35 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	126000.	2489.	1243.	10120.	1008.	127900.
Stddev	599.	17.	7.	64.	5.	817.
%RSD	.4753	.6895	.5338	.6372	.4964	.6392

#1	126400.	2480.	1247.	10100.	1014.	128800.
#2	125300.	2508.	1246.	10190.	1004.	127300.
#3	126200.	2478.	1235.	10070.	1007.	127500.

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.	2508.	5055.	12610.	100600.	50090.
Stddev	8.	17.	37.	64.	812.	272.
%RSD	.6288	.6698	.7386	.5044	.8076	.5434

#1	1267.	2504.	5073.	12670.	101000.	50390.
#2	1278.	2527.	5080.	12540.	101100.	49870.
#3	1263.	2494.	5012.	12610.	99630.	50010.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/28/2011 20:46:35 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	125900.	5133.	124500.	2542.	7596.	1006.
Stddev	833.	35.	585.	17.	50.	11.
%RSD	.6620	.6841	.4703	.6744	.6642	1.142

#1	126100.	5145.	124800.	2538.	7589.	1008.
#2	126600.	5160.	123800.	2561.	7650.	1016.
#3	125000.	5093.	124900.	2527.	7549.	993.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	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	2455.	2554.	2492.	2510.	1006.	2515.
Stddev	19.	18.	16.	16.	6.	18.
%RSD	.7618	.7147	.6531	.6194	.6089	.7179

#1	2449.	2553.	2500.	2507.	1003.	2515.
#2	2476.	2572.	2502.	2527.	1013.	2533.
#3	2440.	2536.	2473.	2497.	1001.	2496.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/28/2011 20:46:35 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	1002.	5070.	9991.
Stddev	9.	32.	47.
%RSD	.8849	.6374	.4711

#1	998.8	5107.	10030.
#2	1012.	5046.	9939.
#3	994.8	5057.	10010.

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	2338.1	33153.	5444.4
Stddev	9.6	120.	28.5
%RSD	.41231	.36085	.52432

#1	2340.5	33197.	5412.9
#2	2327.5	33017.	5468.5
#3	2346.3	33243.	5451.6

Sample Name: CCB Acquired: 9/28/2011 20:50:03 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	30.88	2.364	-.6360	.3394	.0181	.7506
Stddev	8.63	1.022	.4995	.1715	.1049	4.128
%RSD	27.96	43.24	78.53	50.54	580.3	550.0

#1	39.30	2.484	-.5082	.4869	.1389	1.046
#2	31.28	1.287	-.2129	.3800	-.0340	-3.517
#3	22.05	3.322	-1.187	.1512	-.0506	4.723

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	-.0024	-.1282	.1669	-1.018	4.429	109.6
Stddev	.0630	.2157	.1306	6.370	17.80	47.2
%RSD	2572.	168.2	78.23	625.5	401.9	43.06

#1	-.0277	-.0026	.3005	5.110	10.40	160.1
#2	-.0489	-.3772	.1608	-.5596	18.47	66.62
#3	.0692	-.0048	.0395	-7.605	-15.59	102.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/28/2011 20:50:03 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	5.442	.9660	-24.40	.7508	-.5149	.8559
Stddev	5.998	.2187	26.91	.0764	1.319	1.105
%RSD	110.2	22.64	110.3	10.18	256.1	129.1

#1	8.644	1.186	-.9707	.6659	-.9455	-.3515
#2	-1.478	.9635	-18.43	.7722	.9651	1.818
#3	9.161	.7486	-53.79	.8142	-1.564	1.101

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	2.337	-.2413	.2036	.1381	2.159	4.052
Stddev	.139	1.548	.2077	.1874	.582	.422
%RSD	5.928	641.3	102.0	135.7	26.96	10.43

#1	2.495	-1.298	-.0211	.3544	2.324	4.393
#2	2.280	1.535	.2434	.0273	1.512	4.183
#3	2.236	-.9617	.3886	.0326	2.641	3.579

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/28/2011 20:50:03 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	.5764	.3089	2.695
Stddev	.6680	.2729	1.085
%RSD	115.9	88.37	40.26

#1	-.0183	.5231	2.321
#2	.4485	.4020	3.917
#3	1.299	.0016	1.846

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	2536.8	36571.	5488.3
Stddev	10.6	140.	3.5
%RSD	.41788	.38238	.06327

#1	2545.6	36645.	5487.2
#2	2525.0	36409.	5485.5
#3	2539.8	36658.	5492.2

Sample Name: mb 460-87517/1-a@2 Acquired: 9/28/2011 20:53:58 Type: QC

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	37.14	1.914	.0025	.0937	-.0925	-.4482
Stddev	9.46	.673	.5054	.1721	.1164	21.91
%RSD	25.48	35.16	20370.	183.8	125.8	4888.

#1	34.89	2.329	.1645	.2918	-.0169	-24.74
#2	47.53	2.275	.4070	-.0188	-.0341	5.571
#3	29.01	1.137	-.5641	.0080	-.2265	17.82

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	-.0990	-.0805	.0527	-.1097	-5.208	50.28
Stddev	.0298	.1693	.5385	3.025	5.520	59.19
%RSD	30.15	210.1	1022.	2758.	106.0	117.7

#1	-.0977	-.2160	.1507	-3.601	-6.660	107.1
#2	-.1294	-.1348	.5354	1.539	-9.858	54.82
#3	-.0698	.1092	-.5281	1.733	.8917	-11.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-87517/1-a@2 Acquired: 9/28/2011 20:53:58 Type: QC

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	2.703	.6633	-35.19	.7330	-.8492	.7717
Stddev	1.550	.0402	7.85	.1858	1.578	1.870
%RSD	57.35	6.053	22.31	25.34	185.8	242.3

#1	1.702	.7088	-29.04	.9153	.6255	1.117
#2	1.919	.6329	-44.03	.5440	-.6601	2.444
#3	4.489	.6483	-32.51	.7396	-2.513	-1.247

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	2.621	.8586	-.2999	.6089	2.309	.9448
Stddev	4.030	.3727	.2433	.1030	.512	.3495
%RSD	153.7	43.40	81.13	16.92	22.16	36.99

#1	4.519	.7508	-.1219	.6993	1.920	1.014
#2	-2.007	1.273	-.5771	.6307	2.118	1.254
#3	5.352	.5518	-.2007	.4968	2.889	.5659

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-87517/1-a@2 Acquired: 9/28/2011 20:53:58 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	1.264	.0374	.8089
Stddev	.643	.0055	1.449
%RSD	50.85	14.80	179.1

#1	1.125	.0381	-.0758
#2	1.965	.0315	.0218
#3	.7025	.0425	2.480

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	35545.	5339.7
Stddev	12.3	206.	97.3
%RSD	.49688	.57987	1.8222

#1	2465.7	35311.	5228.2
#2	2455.8	35621.	5407.7
#3	2480.2	35702.	5383.2

Sample Name: lcssrm 460-87517/2-a Acquired: 9/28/2011 20:57:50 Type: QC

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	38010.	498.2	143.7	961.8	386.8	49350.
Stddev	225.	1.6	.8	3.8	2.7	303.
%RSD	.5915	.3268	.5296	.3950	.7001	.6146

#1	38180.	497.0	142.8	960.5	389.5	49690.
#2	37760.	500.0	144.0	966.1	384.1	49090.
#3	38110.	497.6	144.1	958.8	386.7	49280.

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	298.7	475.0	1154.	864.7	87150.	19570.
Stddev	1.5	2.5	.	5.4	130.	144.
%RSD	.4855	.5250	.0423	.6291	.1491	.7354

#1	298.0	474.5	1154.	869.9	87300.	19660.
#2	300.3	477.7	1154.	859.0	87050.	19400.
#3	297.7	472.8	1153.	865.1	87110.	19650.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-87517/2-a Acquired: 9/28/2011 20:57:50 Type: QC

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	17610.	2919.	4652.	690.0	439.7	828.0
Stddev	16.	1.	41.	3.2	2.5	5.2
%RSD	.0906	.0177	.8763	.4574	.5799	.6309

#1	17630.	2919.	4665.	689.9	440.9	831.0
#2	17610.	2919.	4607.	693.2	441.4	831.0
#3	17600.	2920.	4685.	686.9	436.7	821.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1335.	656.3	556.6	2932.	664.4	256.1
Stddev	7.	4.8	1.3	13.	3.1	1.9
%RSD	.5549	.7304	.2380	.4323	.4683	.7388

#1	1336.	654.5	557.4	2931.	663.1	256.4
#2	1343.	661.7	557.3	2946.	667.9	257.9
#3	1328.	652.6	555.1	2921.	662.1	254.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-87517/2-a Acquired: 9/28/2011 20:57:50 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	531.3	1101.	1893.
Stddev	3.3	8.	15.
%RSD	.6210	.6989	.8175

#1	530.2	1109.	1901.
#2	535.0	1095.	1875.
#3	528.7	1098.	1903.

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	2631.9	37558.	5868.9
Stddev	13.2	182.	46.6
%RSD	.50244	.48460	.79477

#1	2645.7	37730.	5833.4
#2	2630.6	37576.	5921.7
#3	2619.4	37367.	5851.6

Sample Name: 460-31616-f-4-b@4 Acquired: 9/28/2011 21:01:20 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	13750.	55.10	-.5383	17.88	.5617	377.6
Stddev	160.	2.15	.2994	.23	.0719	12.0
%RSD	1.160	3.893	55.62	1.263	12.81	3.175

#1	13730.	55.22	-.5538	17.85	.6376	390.6
#2	13920.	57.19	-.8296	18.13	.5532	375.2
#3	13600.	52.90	-.2314	17.68	.4945	367.0

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	-.4491	.1072	42.83	38.63	152000.	888.6
Stddev	.2576	.1525	.46	1.23	1630.	2.8
%RSD	57.36	142.3	1.064	3.198	1.073	.3113

#1	-.1536	.1491	42.85	39.29	151900.	885.6
#2	-.6259	-.0620	43.27	37.20	153600.	891.1
#3	-.5678	.2343	42.36	39.39	150400.	889.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31616-f-4-b@4 Acquired: 9/28/2011 21:01:20 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	159.2	16.91	16.42	.3811	21.42	-.8699
Stddev	2.6	.15	22.19	.4771	1.71	1.057
%RSD	1.664	.9140	135.1	125.2	7.984	121.6

#1	159.0	17.04	3.572	.7095	22.76	-1.800
#2	162.0	16.95	42.04	-.1662	22.00	-1.089
#3	156.7	16.74	3.656	.6000	19.50	.2800

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-2.099	3.321	368.7	37.48	5.013	2.099
Stddev	4.642	1.438	3.8	.53	1.157	.134
%RSD	221.2	43.29	1.029	1.404	23.09	6.389

#1	-7.372	2.673	368.4	37.99	6.347	2.183
#2	1.373	2.322	372.6	37.50	4.281	2.169
#3	-.2979	4.969	365.0	36.94	4.411	1.944

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31616-f-4-b@4 Acquired: 9/28/2011 21:01:20 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	2.290	8.339	163.6
Stddev	1.360	.175	5.9
%RSD	59.38	2.102	3.594

#1	2.843	8.528	158.2
#2	.7409	8.182	169.8
#3	3.287	8.306	162.7

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	2552.9	36577.	5597.4
Stddev	7.2	139.	36.4
%RSD	.28347	.38093	.64963

#1	2547.5	36505.	5584.9
#2	2550.0	36488.	5568.9
#3	2561.1	36737.	5638.3

Sample Name: 460-31312-c-9-f@4 Acquired: 9/28/2011 21:05:06 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	33790.	32.29	.0618	222.4	1.421	4467.
Stddev	131.	1.22	.4513	1.8	.070	27.
%RSD	.3870	3.780	730.0	.8295	4.943	.6146

#1	33740.	30.90	-.3023	222.3	1.499	4450.
#2	33700.	32.78	.5667	224.3	1.361	4452.
#3	33940.	33.19	-.0790	220.6	1.404	4499.

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	1.967	18.47	73.69	110.3	60240.	1636.
Stddev	.074	.26	.65	.6	274.	38.
%RSD	3.766	1.389	.8834	.5411	.4547	2.343

#1	1.882	18.53	73.07	109.6	60330.	1625.
#2	2.004	18.70	74.37	110.6	60460.	1604.
#3	2.015	18.19	73.62	110.7	59940.	1678.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31312-c-9-f@4 Acquired: 9/28/2011 21:05:06 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	5985.	434.9	262.3	58.74	306.4	-.2378
Stddev	23.	1.3	5.1	1.34	3.1	.5587
%RSD	.3794	.2967	1.953	2.279	1.028	235.0

#1	5982.	434.9	262.2	59.15	305.8	-.8715
#2	6009.	436.2	267.4	59.83	309.8	-.0255
#3	5964.	433.6	257.2	57.24	303.5	.1838

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.114	-.4452	97.50	738.2	8.317	2.165
Stddev	2.316	2.264	.31	6.4	.505	.115
%RSD	207.8	508.6	.3202	.8714	6.071	5.293

#1	3.788	1.964	97.24	738.0	8.042	2.085
#2	-.1964	-.7699	97.84	744.7	8.009	2.114
#3	-.2487	-2.529	97.40	731.9	8.899	2.296

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31312-c-9-f@4 Acquired: 9/28/2011 21:05:06 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	10.97	42.09	974.0
Stddev	.45	.20	4.5
%RSD	4.142	.4704	.4575

#1	10.70	41.86	973.4
#2	11.49	42.21	969.9
#3	10.71	42.20	978.8

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	2628.5	37539.	5752.9
Stddev	6.5	66.	8.1
%RSD	.24677	.17599	.14155

#1	2635.5	37605.	5757.8
#2	2627.1	37539.	5757.4
#3	2622.8	37473.	5743.5

Sample Name: 460-31312-c-10-f@4 Acquired: 9/28/2011 21:08:46 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	29640.	37.51	-1.190	205.0	1.240	4544.
Stddev	112.	.92	.671	2.2	.005	9.
%RSD	.3766	2.441	56.35	1.056	.3765	.2070

#1	29670.	38.51	-.6060	205.1	1.239	4535.
#2	29520.	36.71	-1.923	207.2	1.235	4554.
#3	29740.	37.31	-1.042	202.8	1.245	4544.

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	2.094	14.31	69.68	103.5	56570.	1616.
Stddev	.119	.11	.48	5.2	191.	30.
%RSD	5.697	.7748	.6930	5.031	.3375	1.833

#1	2.108	14.28	69.35	98.12	56790.	1648.
#2	2.206	14.43	70.24	104.0	56470.	1590.
#3	1.969	14.22	69.47	108.5	56450.	1611.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31312-c-10-f@4 Acquired: 9/28/2011 21:08:46 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	5820.	424.0	421.8	52.79	264.4	-1.389
Stddev	21.	1.3	9.8	.33	2.3	1.485
%RSD	.3622	.3091	2.326	.6310	.8864	106.9

#1	5844.	425.4	432.9	53.02	265.4	-3.103
#2	5805.	422.8	417.9	52.94	266.1	-.5540
#3	5811.	424.0	414.5	52.41	261.7	-.5098

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.7523	-1.485	94.02	771.5	8.614	2.106
Stddev	.6071	2.442	.31	6.7	.386	.354
%RSD	80.70	164.4	.3290	.8706	4.483	16.81

#1	.0686	-.6639	93.71	772.7	8.845	2.063
#2	.9603	-4.232	94.04	777.5	8.828	1.775
#3	1.228	.4399	94.33	764.3	8.168	2.479

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31312-c-10-f@4 Acquired: 9/28/2011 21:08:46 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	10.12	41.09	934.5
Stddev	.34	.30	5.3
%RSD	3.344	.7340	.5714

#1	10.43	41.09	936.3
#2	9.761	40.79	928.5
#3	10.17	41.39	938.6

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	2615.3	37461.	5718.1
Stddev	9.4	62.	22.8
%RSD	.35795	.16446	.39829

#1	2624.8	37427.	5720.7
#2	2606.1	37532.	5739.4
#3	2614.9	37424.	5694.1

Sample Name: 460-31312-c-11-f@4 Acquired: 9/28/2011 21:12:27 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	34260.	40.26	-.4665	234.6	1.571	4600.
Stddev	148.	1.96	.1556	4.0	.059	25.
%RSD	.4320	4.858	33.35	1.704	3.761	.5469

#1	34180.	39.45	-.5738	235.5	1.534	4572.
#2	34160.	42.49	-.2881	238.1	1.540	4620.
#3	34430.	38.83	-.5376	230.2	1.639	4608.

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	1.625	18.88	72.53	106.9	64880.	1594.
Stddev	.192	.76	.19	3.2	118.	34.
%RSD	11.82	4.039	.2687	2.969	.1812	2.149

#1	1.755	18.76	72.72	110.1	64770.	1608.
#2	1.717	19.69	72.34	103.7	64860.	1555.
#3	1.405	18.18	72.52	107.0	65000.	1619.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31312-c-11-f@4 Acquired: 9/28/2011 21:12:27 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	5901.	461.2	285.2	56.21	324.3	-.2720
Stddev	32.	.8	10.0	1.10	6.1	1.419
%RSD	.5385	.1740	3.495	1.959	1.871	521.6

#1	5865.	460.4	281.7	56.73	325.5	-.7480
#2	5911.	461.1	296.4	56.95	329.7	1.324
#3	5926.	462.0	277.4	54.94	317.7	-1.392

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-1.426	-.3695	98.25	750.3	7.580	2.390
Stddev	1.043	.5716	.40	10.3	.422	.161
%RSD	73.15	154.7	.4088	1.376	5.574	6.717

#1	-2.093	-.9746	98.64	752.7	8.055	2.493
#2	-.2239	-.2954	98.26	759.1	7.247	2.472
#3	-1.962	.1614	97.84	738.9	7.438	2.205

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31312-c-11-f@4 Acquired: 9/28/2011 21:12:27 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	12.74	44.36	959.5
Stddev	.10	.22	3.6
%RSD	.8140	.4912	.3781

#1	12.64	44.11	956.0
#2	12.84	44.52	959.3
#3	12.75	44.46	963.3

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	2637.0	37440.	5775.9
Stddev	19.3	40.	5.3
%RSD	.73214	.10707	.09213

#1	2630.8	37482.	5782.0
#2	2621.5	37436.	5773.5
#3	2658.6	37402.	5772.1

Sample Name: 460-31312-c-12-f@4 Acquired: 9/28/2011 21:16:08 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	32330.	21.07	-.3678	213.3	1.520	4132.
Stddev	344.	.97	.8691	1.6	.071	59.
%RSD	1.063	4.586	236.3	.7584	4.645	1.419

#1	32730.	22.02	.6357	214.2	1.446	4197.
#2	32190.	20.09	-.8575	214.2	1.587	4083.
#3	32090.	21.10	-.8815	211.4	1.527	4116.

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	1.119	13.66	66.98	99.62	46080.	1406.
Stddev	.038	.40	.98	2.33	330.	27.
%RSD	3.376	2.908	1.469	2.341	.7152	1.954

#1	1.131	14.08	68.10	97.17	46460.	1426.
#2	1.149	13.61	66.28	101.8	45940.	1374.
#3	1.076	13.29	66.55	99.88	45850.	1417.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31312-c-12-f@4 Acquired: 9/28/2011 21:16:08 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	5455.	367.9	295.1	42.47	289.7	-.9361
Stddev	57.	3.5	6.2	.25	3.3	.4810
%RSD	1.049	.9446	2.104	.5823	1.122	51.38

#1	5521.	371.9	295.4	42.51	290.4	-1.269
#2	5429.	366.2	288.8	42.21	292.6	-.3847
#3	5415.	365.6	301.2	42.70	286.2	-1.155

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	2.279	.0004	92.51	440.1	6.082	1.616
Stddev	3.546	1.657	.66	3.3	.868	.135
%RSD	155.6	433700.	.7183	.7586	14.27	8.333

#1	-1.581	1.885	93.16	442.0	5.086	1.585
#2	3.028	-1.229	92.55	442.1	6.484	1.500
#3	5.391	-.6543	91.83	436.3	6.676	1.764

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31312-c-12-f@4 Acquired: 9/28/2011 21:16:08 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	12.06	38.84	875.8
Stddev	.69	.39	13.0
%RSD	5.724	.9938	1.479

#1	12.70	39.28	890.3
#2	11.33	38.66	871.8
#3	12.16	38.57	865.3

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	2648.9	37772.	5764.1
Stddev	3.4	291.	69.2
%RSD	.12736	.77067	1.2003

#1	2651.1	37541.	5687.9
#2	2650.5	38099.	5822.9
#3	2645.0	37676.	5781.5

Sample Name: 460-31328-d-5-e@4 Acquired: 9/28/2011 21:19:48 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	89440.	15.69	-1.565	482.2	2.215	3845.
Stddev	293.	1.46	.440	6.5	.066	27.
%RSD	.3274	9.325	28.14	1.358	2.977	.6906

#1	89780.	14.03	-1.120	483.8	2.196	3843.
#2	89330.	16.27	-1.575	487.8	2.161	3872.
#3	89230.	16.77	-2.000	475.0	2.289	3819.

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	-1.1905	25.70	65.59	44.37	78510.	2234.
Stddev	.0651	.50	.79	3.47	661.	11.
%RSD	34.19	1.944	1.205	7.818	.8418	.5096

#1	-.1843	25.81	66.08	41.14	78480.	2237.
#2	-.1287	26.14	66.01	43.93	79190.	2243.
#3	-.2585	25.16	64.68	48.04	77870.	2221.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31328-d-5-e@4 Acquired: 9/28/2011 21:19:48 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	4300.	649.4	63.80	45.23	105.2	-2.518
Stddev	35.	5.5	2.83	1.02	1.1	1.048
%RSD	.8120	.8471	4.435	2.249	1.025	41.61

#1	4297.	648.9	63.03	45.96	106.1	-1.348
#2	4336.	655.1	66.93	45.66	105.4	-3.371
#3	4267.	644.2	61.43	44.06	104.0	-2.833

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-5500	-1.194	139.7	116.4	7.341	1.236
Stddev	.7970	1.872	1.1	1.2	.203	.209
%RSD	144.9	156.8	.7973	1.054	2.770	16.93

#1	.1850	.6888	139.8	116.9	7.109	1.007
#2	-1.397	-3.055	140.7	117.4	7.427	1.418
#3	-4378	-1.216	138.5	115.0	7.487	1.282

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31328-d-5-e@4 Acquired: 9/28/2011 21:19:48 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	6.986	41.67	1624.
Stddev	1.265	.38	7.
%RSD	18.10	.9032	.4187

#1	8.208	41.79	1632.
#2	7.066	41.97	1622.
#3	5.683	41.25	1619.

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	2701.4	38192.	5912.3
Stddev	9.6	122.	49.1
%RSD	.35512	.32010	.83088

#1	2703.4	38258.	5857.9
#2	2690.9	38051.	5953.4
#3	2709.8	38267.	5925.7

Sample Name: 460-31328-d-7-c@4 Acquired: 9/28/2011 21:23:29 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	150800.	8.623	-1.704	623.5	1.169	2272.
Stddev	798.	1.768	.408	8.3	.060	15.
%RSD	.5289	20.51	23.94	1.331	5.163	.6464

#1	151700.	9.916	-1.560	631.8	1.224	2289.
#2	150400.	6.608	-1.388	623.4	1.104	2262.
#3	150300.	9.344	-2.165	615.3	1.179	2264.

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	-.4477	22.12	617.5	96.27	59630.	2260.
Stddev	.2194	.83	6.2	3.22	505.	32.
%RSD	49.02	3.755	1.012	3.342	.8470	1.399

#1	-.3620	23.06	624.6	93.35	60210.	2275.
#2	-.2841	21.79	614.7	99.72	59390.	2223.
#3	-.6971	21.50	613.1	95.74	59290.	2281.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31328-d-7-c@4 Acquired: 9/28/2011 21:23:29 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	6445.	311.8	240.1	144.7	75.48	-4.144
Stddev	61.	3.5	18.0	2.0	1.26	3.605
%RSD	.9531	1.123	7.490	1.377	1.672	86.99

#1	6516.	315.9	251.3	146.9	76.74	-4.426
#2	6414.	310.2	249.7	144.1	75.46	-7.600
#3	6406.	309.5	219.4	143.1	74.22	-4.064

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-1.270	-4.004	321.8	153.6	1.416	-4.114
Stddev	1.251	.532	3.1	2.3	.719	.1417
%RSD	98.50	13.28	.9575	1.465	50.74	34.45

#1	-1.378	-3.908	325.3	155.7	.6249	-.3548
#2	.0312	-3.526	320.2	153.8	2.028	-.5727
#3	-2.464	-4.577	319.8	151.2	1.595	-.3068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31328-d-7-c@4 Acquired: 9/28/2011 21:23:29 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	10.41	17.06	4302.
Stddev	.76	.07	29.
%RSD	7.294	.4333	.6828

#1	10.15	17.14	4336.
#2	9.816	17.02	4290.
#3	11.27	17.00	4281.

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	2778.0	39186.	6092.9
Stddev	11.2	208.	25.0
%RSD	.40337	.53112	.40955

#1	2766.4	38953.	6065.1
#2	2788.8	39355.	6113.3
#3	2778.8	39250.	6100.4

Sample Name: 460-31341-c-4-h@4 Acquired: 9/28/2011 21:27:09 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	28140.	20.59	-.0411	256.3	1.219	10150.
Stddev	156.	1.36	.7019	3.1	.125	74.
%RSD	.5557	6.610	1707.	1.219	10.21	.7283

#1	28300.	20.91	-.6785	259.4	1.363	10210.
#2	28150.	21.77	.7111	256.2	1.148	10160.
#3	27980.	19.10	-.1560	253.1	1.145	10070.

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	.3279	21.27	135.9	134.7	87560.	2737.
Stddev	.0674	.37	1.4	2.3	905.	17.
%RSD	20.54	1.723	1.048	1.720	1.034	.6047

#1	.2591	21.65	137.3	135.9	88520.	2728.
#2	.3937	21.24	135.9	136.1	87410.	2756.
#3	.3311	20.92	134.5	132.0	86730.	2726.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31341-c-4-h@4 Acquired: 9/28/2011 21:27:09 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	3442.	666.0	183.9	43.19	389.8	-3.811
Stddev	32.	5.7	17.1	.66	4.8	1.617
%RSD	.9207	.8613	9.316	1.527	1.237	42.44

#1	3478.	672.1	165.4	43.11	394.3	-2.806
#2	3430.	665.0	199.2	43.88	390.4	-2.949
#3	3418.	660.8	187.2	42.57	384.7	-5.676

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.064	-2.109	84.07	265.6	5.453	3.262
Stddev	1.952	1.888	.50	3.2	.249	.196
%RSD	183.4	89.51	.6000	1.223	4.570	5.993

#1	3.316	-1.235	84.52	269.0	5.370	3.213
#2	.0306	-.8166	83.53	265.4	5.733	3.478
#3	-.1536	-4.276	84.16	262.5	5.255	3.096

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31341-c-4-h@4 Acquired: 9/28/2011 21:27:09 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	13.03	64.39	1419.
Stddev	1.61	.62	11.
%RSD	12.36	.9641	.7546

#1	14.52	64.95	1428.
#2	13.24	64.49	1422.
#3	11.32	63.72	1407.

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	2605.8	37211.	5688.0
Stddev	8.2	172.	30.2
%RSD	.31550	.46092	.53087

#1	2596.4	37030.	5666.6
#2	2611.6	37232.	5674.8
#3	2609.3	37371.	5722.5

Sample Name: CCV Acquired: 9/28/2011 21:30:51 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	125700.	2480.	1239.	10080.	1001.	127000.
Stddev	1365.	12.	2.	48.	11.	1505.
%RSD	1.086	.4972	.1428	.4777	1.076	1.185

#1	126400.	2480.	1241.	10080.	1007.	127800.
#2	124200.	2492.	1237.	10130.	988.9	125200.
#3	126600.	2468.	1238.	10040.	1008.	127900.

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.	2500.	5028.	12520.	100000.	49880.
Stddev	6.	12.	6.	156.	112.	666.
%RSD	.4372	.4768	.1155	1.242	.1124	1.336

#1	1260.	2500.	5033.	12600.	100000.	50230.
#2	1267.	2512.	5029.	12340.	100100.	49120.
#3	1257.	2488.	5022.	12620.	99870.	50300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/28/2011 21:30:51 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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.	5089.	124500.	2529.	7558.	1003.
Stddev	241.	15.	1521.	11.	30.	6.
%RSD	.1929	.3041	1.222	.4364	.3937	.5749

#1	125300.	5105.	125200.	2529.	7553.	1007.
#2	125000.	5088.	122700.	2541.	7590.	1007.
#3	124800.	5074.	125400.	2519.	7531.	996.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	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	2429.	2550.	2481.	2498.	1002.	2509.
Stddev	4.	8.	3.	11.	4.	15.
%RSD	.1670	.2971	.1225	.4327	.3665	.6080

#1	2428.	2548.	2484.	2501.	1002.	2508.
#2	2434.	2559.	2482.	2507.	1005.	2525.
#3	2425.	2544.	2478.	2486.	998.1	2495.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/28/2011 21:30:51 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	999.4	5030.	9929.
Stddev	4.9	60.	112.
%RSD	.4938	1.188	1.125

#1	1001.	5059.	9990.
#2	1003.	4962.	9800.
#3	993.9	5070.	9997.

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	2328.1	33236.	5384.8
Stddev	2.6	53.	55.2
%RSD	.11069	.15830	1.0247

#1	2328.4	33289.	5358.8
#2	2325.4	33234.	5448.2
#3	2330.5	33183.	5347.5

Sample Name: CCB Acquired: 9/28/2011 21:34:20 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	14.33	1.281	-.3105	.2691	.0926	-10.62
Stddev	3.51	.959	.9448	.1418	.1275	20.45
%RSD	24.48	74.84	304.3	52.70	137.7	192.5

#1	14.63	1.947	.7261	.4235	.0282	11.07
#2	10.68	1.714	-1.124	.1446	.0102	-29.56
#3	17.68	.1821	-.5340	.2394	.2394	-13.38

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	.0745	-.0221	-.1690	3.271	8.863	50.53
Stddev	.0742	.4077	.2891	1.498	3.542	10.29
%RSD	99.68	1848.	171.1	45.81	39.97	20.36

#1	.0211	.3134	.1459	3.917	7.568	51.05
#2	.1592	.0962	-.4223	4.337	6.150	40.00
#3	.0430	-.4758	-.2305	1.558	12.87	60.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/28/2011 21:34:20 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	7.453	.6018	-32.61	.6531	.0863	1.694
Stddev	4.797	.1127	24.17	.3618	.7689	1.390
%RSD	64.36	18.73	74.13	55.40	890.5	82.06

#1	10.36	.6953	-13.33	.2371	.5300	1.170
#2	1.917	.6335	-24.77	.8278	-.8015	3.271
#3	10.08	.4766	-59.73	.8944	.5306	.6422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.7184	1.041	-.1051	.0785	1.525	3.877
Stddev	3.311	1.467	.2538	.1117	.678	.400
%RSD	460.8	140.9	241.6	142.3	44.48	10.31

#1	2.080	1.604	-.3860	-.0445	1.672	3.859
#2	3.131	-.6241	.1077	.1736	2.117	4.286
#3	-3.056	2.144	-.0369	.1063	.7850	3.487

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/28/2011 21:34:20 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	.0020	.1101	4.809
Stddev	.6334	.1457	3.536
%RSD	31820.	132.4	73.54

#1	-.7122	.2607	1.387
#2	.2227	-.0302	4.591
#3	.4955	.0998	8.449

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	2534.2	36334.	5479.8
Stddev	10.3	276.	15.1
%RSD	.40505	.76036	.27610

#1	2539.3	36197.	5467.3
#2	2522.4	36153.	5475.4
#3	2540.9	36652.	5496.6

Sample Name: 460-31341-c-6-f@4 Acquired: 9/28/2011 21:38:14 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	51010.	24.66	-1.011	256.2	1.804	76460.
Stddev	209.	1.65	.568	2.3	.057	212.
%RSD	.4097	6.700	56.11	.9060	3.148	.2768

#1	50800.	23.49	-1.087	256.5	1.790	76260.
#2	51220.	26.55	-1.537	258.3	1.756	76680.
#3	51030.	23.94	-.4098	253.7	1.867	76430.

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	-.1677	32.01	148.9	211.1	92030.	5898.
Stddev	.1921	.35	1.0	2.9	123.	85.
%RSD	114.6	1.090	.6619	1.386	.1340	1.444

#1	-.0668	32.10	149.2	214.4	92140.	5872.
#2	-.0469	32.30	149.7	209.0	92060.	5829.
#3	-.3892	31.62	147.8	209.8	91900.	5993.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31341-c-6-f@4 Acquired: 9/28/2011 21:38:14 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	13790.	775.3	2265.	94.00	168.8	1.524
Stddev	15.	1.8	29.	1.11	.9	1.199
%RSD	.1067	.2283	1.271	1.184	.5320	78.68

#1	13790.	775.5	2232.	93.93	168.0	2.812
#2	13810.	777.0	2286.	95.15	169.8	.4405
#3	13780.	773.5	2277.	92.93	168.7	1.319

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.9139	-2.157	134.3	219.6	13.65	16.84
Stddev	1.258	1.177	.4	2.2	1.01	.30
%RSD	137.6	54.57	.3073	1.007	7.384	1.778

#1	2.257	-2.006	133.8	219.8	13.93	16.74
#2	.7212	-3.401	134.5	221.7	14.48	17.18
#3	-.2364	-1.062	134.6	217.3	12.53	16.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31341-c-6-f@4 Acquired: 9/28/2011 21:38:14 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	30.07	99.76	2388.
Stddev	.29	.41	10.
%RSD	.9534	.4157	.4170

#1	29.91	99.49	2377.
#2	30.40	100.2	2395.
#3	29.90	99.55	2392.

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	2602.0	36630.	5736.2
Stddev	10.8	39.	35.4
%RSD	.41451	.10601	.61784

#1	2603.8	36667.	5749.0
#2	2590.4	36590.	5696.1
#3	2611.8	36633.	5763.4

Sample Name: 460-31469-d-4-k@4 Acquired: 9/28/2011 21:41:54 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	36750.	5.040	-.9959	190.7	1.451	10780.
Stddev	306.	.443	.4960	2.3	.066	96.
%RSD	.8318	8.792	49.80	1.208	4.534	.8918

#1	36920.	5.074	-1.280	191.5	1.441	10830.
#2	36940.	4.580	-.4232	192.5	1.521	10840.
#3	36400.	5.465	-1.285	188.1	1.391	10670.

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	12.78	31.17	37.24	42660.	9349.
Stddev	.0928	.10	.65	2.23	277.	87.
%RSD	38.82	.8133	2.088	6.001	.6491	.9313

#1	-.2784	12.70	30.94	38.19	42710.	9406.
#2	-.1330	12.90	31.90	38.85	42910.	9393.
#3	-.3055	12.75	30.66	34.69	42360.	9249.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31469-d-4-k@4 Acquired: 9/28/2011 21:41:54 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	9691.	1061.	453.5	15.14	27.33	-2.962
Stddev	76.	10.	12.1	.30	2.11	.531
%RSD	.7868	.9512	2.677	2.007	7.724	17.94

#1	9696.	1062.	467.0	14.79	28.23	-3.387
#2	9765.	1071.	450.0	15.34	28.84	-3.133
#3	9613.	1051.	443.4	15.29	24.92	-2.366

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-1.1778	-1.035	57.92	111.3	1.266	1.560
Stddev	2.558	.560	.88	1.3	.460	.264
%RSD	1439.	54.07	1.519	1.185	36.30	16.94

#1	2.135	-1.178	58.81	111.3	.7810	1.783
#2	.2565	-1.509	57.89	112.6	1.323	1.268
#3	-2.925	-.4178	57.05	110.0	1.695	1.629

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31469-d-4-k@4 Acquired: 9/28/2011 21:41:54 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	5.820	16.79	1676.
Stddev	.501	.14	19.
%RSD	8.606	.8502	1.141

#1	6.127	16.75	1688.
#2	5.242	16.96	1687.
#3	6.091	16.68	1654.

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	2636.5	37570.	5753.4
Stddev	5.8	140.	23.4
%RSD	.21998	.37354	.40589

#1	2642.7	37559.	5755.4
#2	2631.3	37436.	5729.1
#3	2635.3	37716.	5775.7

Sample Name: 460-31469-d-5-e@4 Acquired: 9/28/2011 21:45:38 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	80860.	7.869	-1.213	321.3	1.654	2672.
Stddev	718.	1.505	.423	2.0	.123	33.
%RSD	.8879	19.12	34.86	.6321	7.438	1.241

#1	80560.	6.628	-.9427	320.3	1.726	2668.
#2	80350.	9.543	-.9969	323.7	1.723	2641.
#3	81680.	7.437	-1.701	320.1	1.512	2707.

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	-.2578	9.632	123.6	17.60	61940.	2543.
Stddev	.1010	.386	.9	2.75	206.	60.
%RSD	39.17	4.007	.7139	15.65	.3325	2.345

#1	-.2634	9.990	122.9	19.96	61830.	2487.
#2	-.1542	9.682	123.3	18.25	61820.	2536.
#3	-.3559	9.223	124.6	14.57	62180.	2606.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31469-d-5-e@4 Acquired: 9/28/2011 21:45:38 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	5970.	188.0	967.4	31.59	47.06	-1.073
Stddev	27.	1.0	21.9	.32	1.10	1.781
%RSD	.4508	.5341	2.266	1.009	2.342	165.9

#1	5962.	187.4	984.6	31.28	45.81	-.9150
#2	5949.	187.5	942.7	31.92	47.87	-2.928
#3	6000.	189.2	974.8	31.58	47.51	.6233

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.466	-1.891	170.6	86.62	7.665	-.0703
Stddev	2.656	3.058	.3	.51	.537	.2917
%RSD	181.2	161.7	.1762	.5886	7.003	414.8

#1	.2766	1.074	170.9	86.17	7.335	-.3725
#2	-.3879	-1.712	170.3	87.17	8.284	-.0482
#3	4.508	-5.034	170.7	86.52	7.375	.2097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31469-d-5-e@4 Acquired: 9/28/2011 21:45:38 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	4.688	18.96	1202.
Stddev	.512	.37	12.
%RSD	10.93	1.945	1.017

#1	4.756	18.89	1196.
#2	4.145	18.63	1195.
#3	5.163	19.36	1216.

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	2599.9	36881.	5646.5
Stddev	14.7	298.	42.2
%RSD	.56598	.80732	.74691

#1	2616.2	37083.	5660.1
#2	2595.6	37021.	5680.2
#3	2587.7	36539.	5599.2

Sample Name: 460-31469-d-11-c@4 Acquired: 9/28/2011 21:49:21 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	73590.	2.971	-.7761	199.5	.1378	1533.
Stddev	840.	2.455	.6526	2.9	.0361	19.
%RSD	1.141	82.65	84.09	1.456	26.21	1.262

#1	73290.	1.576	-.5678	201.1	.1749	1525.
#2	74540.	1.530	-1.507	201.4	.1028	1555.
#3	72940.	5.805	-.2531	196.2	.1356	1519.

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	-.0456	5.437	74.53	24.71	17260.	1451.
Stddev	.0211	.230	1.26	4.07	199.	46.
%RSD	46.17	4.226	1.688	16.47	1.151	3.145

#1	-.0253	5.488	74.67	22.38	17290.	1500.
#2	-.0443	5.638	75.71	29.41	17450.	1442.
#3	-.0674	5.186	73.21	22.35	17050.	1410.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31469-d-11-c@4 Acquired: 9/28/2011 21:49:21 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	2243.	86.76	359.1	41.89	18.98	-.2683
Stddev	30.	1.04	14.2	.62	1.51	.9147
%RSD	1.338	1.199	3.946	1.479	7.982	341.0

#1	2258.	86.91	373.9	41.83	17.78	.7872
#2	2262.	87.72	345.7	42.54	20.68	-.8322
#3	2208.	85.66	357.7	41.31	18.49	-.7597

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-1.205	.0378	103.3	36.85	1.671	.6577
Stddev	2.339	2.053	1.1	.73	.492	.1439
%RSD	194.1	5432.	1.029	1.977	29.44	21.89

#1	1.148	-2.282	103.6	37.38	1.235	.8077
#2	-3.530	1.620	104.1	37.15	2.205	.6446
#3	-1.234	.7755	102.1	36.02	1.574	.5207

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31469-d-11-c@4 Acquired: 9/28/2011 21:49:21 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	5.888	11.38	1554.
Stddev	.936	.10	20.
%RSD	15.90	.9159	1.284

#1	6.968	11.47	1550.
#2	5.300	11.40	1576.
#3	5.397	11.27	1537.

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	2555.3	36500.	5535.5
Stddev	11.0	216.	56.1
%RSD	.43010	.59049	1.0142

#1	2555.5	36448.	5572.4
#2	2544.1	36314.	5470.9
#3	2566.1	36736.	5563.2

Sample Name: 460-31469-d-20-c@4 Acquired: 9/28/2011 21:53:06 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	44570.	12.64	-1.098	1026.	1.435	60540.
Stddev	127.	.38	.854	13.	.050	332.
%RSD	.2838	3.002	77.74	1.237	3.485	.5486

#1	44570.	12.24	-1.135	1029.	1.401	60230.
#2	44450.	12.71	-1.932	1037.	1.493	60500.
#3	44700.	12.99	-.2264	1012.	1.412	60890.

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	1.914	13.96	108.7	33.35	39000.	2708.
Stddev	.023	.29	.6	2.21	102.	50.
%RSD	1.186	2.073	.5594	6.642	.2612	1.835

#1	1.896	13.95	108.6	35.83	39020.	2651.
#2	1.940	14.26	109.3	31.57	39080.	2729.
#3	1.908	13.68	108.1	32.65	38890.	2743.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31469-d-20-c@4 Acquired: 9/28/2011 21:53:06 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	5087.	479.6	5220.	31.22	546.0	2.864
Stddev	12.	.6	30.	.74	6.8	2.268
%RSD	.2341	.1247	.5828	2.381	1.245	79.17

#1	5076.	479.0	5195.	31.13	545.3	3.718
#2	5100.	480.2	5210.	32.00	553.2	4.582
#3	5084.	479.6	5254.	30.52	539.6	.2938

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-1.783	-.9851	88.72	767.9	7.587	.5133
Stddev	2.318	.4739	.22	9.8	.611	.1650
%RSD	130.0	48.10	.2459	1.270	8.049	32.15

#1	-1.788	-.5351	88.57	770.1	7.890	.3499
#2	.5376	-1.480	88.97	776.4	7.986	.6798
#3	-4.097	-.9405	88.62	757.3	6.884	.5102

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31469-d-20-c@4 Acquired: 9/28/2011 21:53:06 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	16.83	92.48	864.1
Stddev	.83	.54	3.2
%RSD	4.915	.5802	.3670

#1	17.76	91.98	860.5
#2	16.53	92.41	864.9
#3	16.19	93.04	866.7

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	2619.0	37127.	5722.9
Stddev	8.6	212.	36.9
%RSD	.32908	.57230	.64435

#1	2625.7	37277.	5713.1
#2	2609.2	37220.	5763.7
#3	2622.0	36884.	5691.9

Sample Name: 460-31487-a-1-a@4 Acquired: 9/28/2011 21:56:47 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	4003.	.6594	-.5180	10.11	.1886	184.4
Stddev	19.	1.843	1.215	.29	.0206	7.9
%RSD	.4653	279.5	234.6	2.828	10.92	4.273
#1	4020.	2.126	-.4109	10.28	.1795	193.5
#2	3983.	-1.409	.6402	10.28	.1742	179.8
#3	4005.	1.261	-1.783	9.783	.2122	179.8
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	.0437	.3354	17.66	1.419	21370.	223.9
Stddev	.0579	.0969	.25	3.201	13.	60.5
%RSD	132.5	28.89	1.423	225.6	.0625	27.01
#1	.1106	.4029	17.94	1.495	21390.	290.5
#2	.0093	.3790	17.57	4.581	21360.	172.4
#3	.0112	.2244	17.46	-1.820	21360.	208.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31487-a-1-a@4 Acquired: 9/28/2011 21:56:47 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	63.28	22.15	-65.40	1.708	11.43	.1049
Stddev	2.60	.11	22.10	.285	1.01	2.166
%RSD	4.115	.4968	33.79	16.70	8.827	2064.

#1	65.78	22.20	-72.43	1.390	10.27	-.9271
#2	60.58	22.03	-40.64	1.791	12.10	-1.352
#3	63.48	22.23	-83.13	1.942	11.92	2.594

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-.4319	-.5103	17.14	11.56	.7507	1.448
Stddev	1.542	3.452	.22	.12	.5727	.259
%RSD	357.0	676.5	1.286	1.038	76.28	17.85

#1	-.7284	-2.285	16.90	11.51	.2574	1.479
#2	1.237	-2.713	17.32	11.70	1.379	1.689
#3	-1.804	3.468	17.21	11.47	.6161	1.175

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31487-a-1-a@4 Acquired: 9/28/2011 21:56:47 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	2.443	2.270	291.2
Stddev	.388	.109	3.3
%RSD	15.89	4.803	1.132

#1	2.133	2.208	289.3
#2	2.318	2.207	289.3
#3	2.879	2.396	295.0

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	2561.5	36756.	5513.8
Stddev	9.8	102.	39.4
%RSD	.38263	.27792	.71461

#1	2566.7	36680.	5527.7
#2	2550.2	36872.	5544.4
#3	2567.6	36716.	5469.3

Sample Name: 460-31488-f-6-b@4 Acquired: 9/28/2011 22:00:36 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	76210.	27.32	-2.357	718.9	2.584	52930.
Stddev	96.	3.62	.254	2.5	.069	115.
%RSD	.1257	13.25	10.76	.3441	2.661	.2165

#1	76140.	27.02	-2.407	718.1	2.619	52830.
#2	76170.	23.86	-2.083	721.7	2.505	52900.
#3	76320.	31.08	-2.583	717.0	2.629	53060.

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	-7094	78.37	232.6	132.2	161000.	11730.
Stddev	.2213	.13	1.1	1.6	1072.	10.
%RSD	31.19	.1596	.4698	1.209	.6661	.0852

#1	-.6630	78.46	232.3	130.8	159900.	11720.
#2	-.5150	78.42	231.7	133.9	160900.	11740.
#3	-.9501	78.22	233.8	131.9	162100.	11730.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31488-f-6-b@4 Acquired: 9/28/2011 22:00:36 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	47410.	2353.	3136.	128.2	87.37	-7.576
Stddev	291.	15.	13.	.8	1.69	.999
%RSD	.6132	.6541	.4204	.6242	1.938	13.19

#1	47230.	2346.	3126.	128.0	88.60	-8.724
#2	47250.	2343.	3130.	129.0	88.08	-6.906
#3	47740.	2371.	3151.	127.5	85.44	-7.098

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-1.655	-3.341	265.6	280.9	8.919	2.320
Stddev	4.566	.743	2.0	1.3	.907	.172
%RSD	275.8	22.25	.7384	.4667	10.17	7.407

#1	.6353	-4.053	263.5	280.9	9.959	2.463
#2	1.312	-2.570	266.1	282.2	8.503	2.367
#3	-6.914	-3.399	267.3	279.6	8.294	2.129

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31488-f-6-b@4 Acquired: 9/28/2011 22:00:36 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	12.85	65.21	4354.
Stddev	1.01	.24	9.
%RSD	7.837	.3634	.2129

#1	12.53	64.94	4345.
#2	13.98	65.36	4353.
#3	12.04	65.33	4363.

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	2635.2	37586.	5853.2
Stddev	12.5	230.	5.7
%RSD	.47309	.61132	.09700

#1	2647.4	37668.	5852.3
#2	2635.8	37763.	5859.3
#3	2622.5	37326.	5848.0

Sample Name: 460-31427-a-1-e@4 Acquired: 9/28/2011 22:04:16 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	30310.	18.69	-.3467	137.6	1.397	221200.
Stddev	40.	3.91	.1401	2.6	.107	920.
%RSD	.1328	20.90	40.42	1.920	7.638	.4157

#1	30270.	14.44	-.4694	138.4	1.283	220200.
#2	30340.	22.12	-.3768	139.8	1.413	221500.
#3	30330.	19.51	-.1940	134.7	1.494	222000.

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	.1189	30.75	91.38	405.7	73050.	3615.
Stddev	.1444	.71	1.10	5.1	368.	34.
%RSD	121.4	2.300	1.208	1.254	.5037	.9473

#1	.0331	31.05	92.11	408.0	73250.	3640.
#2	.2857	31.26	91.92	409.2	73280.	3629.
#3	.0380	29.94	90.11	399.9	72630.	3576.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31427-a-1-e@4 Acquired: 9/28/2011 22:04:16 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	108900.	1742.	1460.	64.81	37.85	-2.292
Stddev	467.	7.	16.	1.78	1.22	1.641
%RSD	.4285	.3844	1.097	2.748	3.235	71.61

#1	109200.	1747.	1469.	65.71	38.33	-4.169
#2	109200.	1745.	1442.	65.95	38.76	-1.582
#3	108400.	1735.	1470.	62.75	36.46	-1.125

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.4592	.0188	104.7	203.7	12.66	.3921
Stddev	2.965	.9068	.5	3.6	.40	.2108
%RSD	645.7	4828.	.4940	1.774	3.136	53.76

#1	2.185	-.9362	105.3	204.8	13.04	.1614
#2	2.157	.8681	104.4	206.7	12.68	.5747
#3	-2.964	.1245	104.4	199.7	12.25	.4402

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31427-a-1-e@4 Acquired: 9/28/2011 22:04:16 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	4.796	287.2	1033.
Stddev	.570	1.3	2.
%RSD	11.88	.4351	.1638

#1	4.879	285.8	1031.
#2	5.321	287.8	1034.
#3	4.190	288.0	1034.

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	2490.9	35385.	5601.8
Stddev	11.8	7.	34.8
%RSD	.47507	.01965	.62207

#1	2497.4	35382.	5639.4
#2	2477.2	35392.	5570.6
#3	2498.0	35379.	5595.3

Sample Name: 460-31430-a-1-g@4 Acquired: 9/28/2011 22:07:58 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	29460.	24.08	-.4593	145.6	1.514	220400.
Stddev	169.	3.71	.4419	1.7	.138	1190.
%RSD	.5720	15.42	96.20	1.174	9.095	.5400

#1	29440.	22.98	.0137	146.2	1.442	219700.
#2	29290.	28.22	-.5301	146.9	1.673	219800.
#3	29630.	21.04	-.8616	143.6	1.427	221800.

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	.1096	28.80	59.24	98.17	68780.	3963.
Stddev	.0801	.65	.25	3.12	897.	54.
%RSD	73.08	2.244	.4185	3.181	1.304	1.374

#1	.1011	29.08	59.35	95.84	69240.	3957.
#2	.1935	29.26	59.41	96.96	69370.	3912.
#3	.0340	28.06	58.95	101.7	67750.	4020.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31430-a-1-g@4 Acquired: 9/28/2011 22:07:58 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	102500.	1931.	546.0	60.24	36.75	-.9805
Stddev	1082.	20.	13.4	1.05	1.69	.7542
%RSD	1.056	1.027	2.447	1.750	4.584	76.92

#1	103100.	1940.	540.2	60.62	36.98	-1.042
#2	103100.	1945.	561.3	61.06	38.31	-.1974
#3	101200.	1908.	536.5	59.05	34.97	-1.702

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	2.349	-2.318	79.23	196.1	11.03	.3663
Stddev	2.227	2.467	.98	2.0	.71	.4054
%RSD	94.78	106.4	1.241	1.027	6.461	110.7

#1	.6689	-5.040	79.93	196.6	10.21	.3466
#2	4.875	-1.681	79.66	197.8	11.52	-.0289
#3	1.504	-.2312	78.11	193.9	11.35	.7812

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31430-a-1-g@4 Acquired: 9/28/2011 22:07:58 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	4.650	262.0	976.0
Stddev	.280	1.8	6.9
%RSD	6.023	.6778	.7064

#1	4.480	260.6	973.4
#2	4.496	261.3	970.8
#3	4.973	264.0	983.9

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	2501.9	35742.	5603.6
Stddev	8.2	233.	26.3
%RSD	.32766	.65301	.46921

#1	2505.4	35651.	5606.4
#2	2492.5	35568.	5628.4
#3	2507.8	36007.	5576.0

Sample Name: 460-31642-a-8-a@4 Acquired: 9/28/2011 22:11:40 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	40320.	86.63	-1.027	140.6	2.505	1422.
Stddev	120.	3.64	.261	2.0	.169	23.
%RSD	.2987	4.200	25.37	1.434	6.727	1.638

#1	40450.	90.01	-.8728	141.2	2.468	1448.
#2	40220.	87.10	-1.328	142.3	2.358	1416.
#3	40280.	82.78	-.8810	138.4	2.689	1402.

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	-4119	20.11	128.2	58.99	152700.	8347.
Stddev	.2368	.63	.5	2.28	408.	69.
%RSD	57.49	3.109	.3756	3.864	.2673	.8291

#1	-.2305	20.44	128.2	61.49	152700.	8385.
#2	-.3254	20.51	127.7	57.03	152200.	8267.
#3	-.6798	19.39	128.7	58.46	153000.	8388.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-8-a@4 Acquired: 9/28/2011 22:11:40 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	4511.	1523.	-54.05	34.52	755.7	-2.622
Stddev	25.	7.	15.52	.81	10.0	1.573
%RSD	.5447	.4816	28.71	2.358	1.325	60.02

#1	4524.	1525.	-37.61	35.28	760.1	-1.011
#2	4483.	1515.	-56.09	34.61	762.8	-4.155
#3	4526.	1529.	-68.44	33.66	744.3	-2.700

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.3471	1.396	263.9	241.5	33.48	.1046
Stddev	1.951	.626	.2	2.6	.46	.2218
%RSD	561.9	44.82	.0850	1.096	1.364	212.0

#1	.9064	1.331	264.1	242.8	33.11	.1285
#2	-1.822	.8047	263.7	243.3	33.99	.3135
#3	1.957	2.051	264.0	238.5	33.33	-.1281

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-8-a@4 Acquired: 9/28/2011 22:11:40 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	8.599	17.66	165.0
Stddev	.706	.13	1.6
%RSD	8.212	.7209	.9933

#1	9.047	17.56	166.7
#2	7.785	17.62	163.5
#3	8.966	17.80	164.8

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	2672.8	37891.	5795.1
Stddev	7.2	259.	34.1
%RSD	.27079	.68480	.58820

#1	2675.0	37824.	5780.0
#2	2664.7	38178.	5834.1
#3	2678.7	37672.	5771.1

Sample Name: CCV Acquired: 9/28/2011 22:15:22 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	127500.	2488.	1245.	10130.	1020.	129200.
Stddev	1146.	9.	5.	10.	9.	1320.
%RSD	.8989	.3447	.3924	.1010	.9265	1.022

#1	128100.	2491.	1248.	10130.	1026.	130300.
#2	126200.	2479.	1239.	10120.	1009.	127700.
#3	128300.	2495.	1247.	10140.	1024.	129600.

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.	2503.	5060.	12740.	100600.	50800.
Stddev	1.	4.	25.	107.	550.	424.
%RSD	.1037	.1795	.4945	.8358	.5461	.8346

#1	1267.	2498.	5082.	12810.	101200.	51170.
#2	1267.	2505.	5033.	12620.	100100.	50340.
#3	1269.	2506.	5064.	12790.	100700.	50910.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/28/2011 22:15:22 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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.	5140.	126000.	2536.	7581.	1001.
Stddev	674.	32.	968.	4.	14.	4.
%RSD	.5335	.6218	.7682	.1413	.1795	.3825

#1	126800.	5168.	126300.	2533.	7566.	1001.
#2	125500.	5105.	124900.	2536.	7586.	1005.
#3	126400.	5148.	126700.	2540.	7592.	997.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	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	2446.	2544.	2495.	2505.	1002.	2515.
Stddev	3.	2.	10.	4.	5.	3.
%RSD	.1306	.0825	.3904	.1768	.5400	.1291

#1	2443.	2542.	2504.	2501.	996.9	2519.
#2	2444.	2546.	2484.	2505.	1000.	2515.
#3	2449.	2544.	2495.	2509.	1008.	2512.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/28/2011 22:15:22 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	996.3	5130.	10100.
Stddev	1.1	55.	88.
%RSD	.1100	1.070	.8666

#1	995.4	5177.	10150.
#2	996.0	5069.	9998.
#3	997.5	5144.	10150.

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	2333.2	33113.	5322.6
Stddev	6.7	131.	40.0
%RSD	.28541	.39687	.75223

#1	2337.8	33081.	5300.8
#2	2336.3	33258.	5368.8
#3	2325.6	33001.	5298.2

Sample Name: CCB Acquired: 9/28/2011 22:18:51 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	20.30	.5905	.1641	.1393	.1058	-22.92
Stddev	24.54	1.536	.6759	.0183	.0489	12.17
%RSD	120.9	260.2	412.0	13.12	46.21	53.09

#1	21.88	2.342	.8641	.1490	.0581	-16.35
#2	44.02	-.5304	.1127	.1506	.1035	-36.95
#3	-4.992	-.0397	-.4846	.1182	.1558	-15.44

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	.0211	.2076	.2534	-.4513	2.176	114.5
Stddev	.0936	.1648	.1932	3.428	11.36	19.5
%RSD	443.0	79.38	76.25	759.7	521.9	17.02

#1	.1266	.0979	.1430	3.016	14.79	98.84
#2	-.0111	.1279	.1408	-3.840	-7.235	136.4
#3	-.0521	.3971	.4766	-.5298	-1.030	108.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/28/2011 22:18:51 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2.942	.5561	-41.19	.6276	1.148	2.423
Stddev	2.071	.0712	13.50	.2639	.512	.971
%RSD	70.40	12.81	32.77	42.05	44.59	40.08

#1	5.286	.6247	-32.03	.6053	.5676	2.454
#2	1.362	.4825	-34.84	.3755	1.343	1.437
#3	2.177	.5611	-56.69	.9019	1.535	3.379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.5623	.8311	-.2215	.0451	.9968	3.922
Stddev	2.528	.5208	.5753	.1508	.7147	.141
%RSD	449.6	62.66	259.7	334.4	71.70	3.607

#1	3.199	1.285	-.0033	-.0494	1.449	3.891
#2	-1.842	.2624	-.8740	-.0343	1.369	4.076
#3	.3303	.9463	.2126	.2191	.1729	3.798

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/28/2011 22:18:51 Type: QC
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	-.1660	.1086	2.423
Stddev	.4303	.0720	1.122
%RSD	259.2	66.28	46.29

#1	.2116	.1438	1.662
#2	-.6345	.1563	3.712
#3	-.0751	.0258	1.897

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	2532.2	36413.	5428.1
Stddev	9.7	179.	67.0
%RSD	.38389	.49253	1.2338

#1	2533.5	36589.	5378.4
#2	2522.0	36420.	5401.6
#3	2541.3	36230.	5504.2

Sample Name: mb 460-87519/1-a@2 Acquired: 9/28/2011 22:22:44 Type: QC

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	17.54	.2706	-.7813	.0742	-.0158	4.669
Stddev	18.11	2.409	.5498	.0796	.0441	6.037
%RSD	103.3	890.3	70.37	107.3	279.7	129.3

#1	35.29	1.133	-1.349	.0131	.0312	10.48
#2	18.24	2.130	-.7443	.1642	-.0564	5.097
#3	-.9168	-2.451	-.2510	.0452	-.0221	-1.571

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	-.1807	-.1394	2.278	5.523	48.79
Stddev	.1052	.4511	.1517	.998	4.229	20.68
%RSD	69.09	249.7	108.8	43.81	76.58	42.39

#1	.0327	-.1346	.0354	1.776	2.096	44.22
#2	.2305	.2456	-.2175	3.427	4.223	71.37
#3	.1936	-.6531	-.2361	1.630	10.25	30.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-87519/1-a@2 Acquired: 9/28/2011 22:22:44 Type: QC

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	.6680	.0691	-51.81	.1900	-.0569	-.0719
Stddev	4.267	.0730	19.19	.3186	.3956	.6971
%RSD	638.7	105.6	37.05	167.7	694.8	970.0

#1	-3.703	-.0065	-32.05	-.1695	-.3269	.2988
#2	.8849	.1390	-53.00	.3019	-.2410	-.8760
#3	4.822	.0748	-70.38	.4376	.3971	.3616

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	2.710	.1727	-.0487	.8255	.7236	.7012
Stddev	1.545	.8311	.5053	.0982	.5046	.0918
%RSD	57.02	481.3	1038.	11.90	69.74	13.09

#1	2.609	.6378	.5172	.8576	.2774	.6217
#2	4.303	-.7869	-.4549	.7153	.6222	.8017
#3	1.217	.6672	-.2083	.9036	1.271	.6803

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-87519/1-a@2 Acquired: 9/28/2011 22:22:44 Type: QC
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	.9231	.0120	1.149
Stddev	.4275	.1510	.985
%RSD	46.31	1258.	85.70

#1	.4603	-.1374	.5588
#2	1.303	.0090	2.286
#3	1.006	.1645	.6028

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	2468.5	35422.	5276.2
Stddev	12.3	672.	101.7
%RSD	.49817	1.8965	1.9278

#1	2464.8	34647.	5159.3
#2	2458.4	35792.	5344.1
#3	2482.2	35828.	5325.3

Sample Name: lcssrm 460-87519/2-a Acquired: 9/28/2011 22:26:36 Type: QC

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	37610.	481.1	140.1	912.7	377.8	48790.
Stddev	554.	6.8	.8	9.4	6.5	794.
%RSD	1.472	1.412	.5835	1.029	1.724	1.627

#1	38040.	483.6	141.1	916.5	382.6	49410.
#2	37810.	486.3	139.6	919.5	380.5	49060.
#3	36990.	473.4	139.7	901.9	370.4	47890.

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	288.3	453.0	1126.	850.7	83360.	19230.
Stddev	2.5	4.5	7.	13.5	416.	264.
%RSD	.8670	.9845	.6094	1.582	.4992	1.372

#1	289.1	454.7	1125.	857.6	83470.	19510.
#2	290.2	456.3	1133.	859.3	83710.	19190.
#3	285.4	447.9	1120.	835.1	82900.	18980.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-87519/2-a Acquired: 9/28/2011 22:26:36 Type: QC

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	17260.	2748.	4595.	664.2	415.8	778.0
Stddev	76.	18.	30.	6.0	3.1	11.0
%RSD	.4411	.6548	.6505	.9099	.7488	1.415

#1	17280.	2756.	4628.	666.9	415.6	784.7
#2	17330.	2761.	4585.	668.4	419.0	784.0
#3	17180.	2728.	4571.	657.3	412.8	765.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1278.	629.4	538.6	2783.	641.6	245.9
Stddev	9.	5.6	2.2	27.	4.8	2.9
%RSD	.7333	.8839	.4020	.9814	.7450	1.160

#1	1284.	633.5	538.0	2793.	642.5	247.4
#2	1284.	631.6	541.0	2803.	645.9	247.7
#3	1268.	623.1	536.8	2752.	636.5	242.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-87519/2-a Acquired: 9/28/2011 22:26:36 Type: QC
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	512.6	1066.	1871.
Stddev	5.1	19.	29.
%RSD	.9913	1.785	1.547

#1	514.6	1081.	1890.
#2	516.3	1072.	1884.
#3	506.8	1045.	1837.

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	2636.6	37480.	5816.9
Stddev	5.4	113.	57.8
%RSD	.20467	.30264	.99307

#1	2638.2	37517.	5772.8
#2	2630.6	37352.	5795.6
#3	2641.0	37570.	5882.3

Sample Name: 460-31642-a-9-b du@4 Acquired: 9/28/2011 22:30:07 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	30420.	97.48	-.8047	93.28	2.940	1291.
Stddev	225.	1.43	.6405	1.04	.086	7.
%RSD	.7399	1.464	79.60	1.117	2.936	.5357

#1	30490.	98.11	-.0686	93.82	3.016	1287.
#2	30600.	98.49	-1.111	93.94	2.957	1299.
#3	30160.	95.85	-1.235	92.08	2.846	1286.

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	-.7376	14.40	131.8	50.07	187800.	6965.
Stddev	.3354	.38	.3	4.99	1776.	41.
%RSD	45.47	2.654	.2388	9.961	.9454	.5841

#1	-.3542	14.81	132.0	53.43	187800.	6997.
#2	-.8821	14.33	131.9	52.44	189600.	6980.
#3	-.9765	14.05	131.4	44.34	186100.	6919.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-9-b du@4 Acquired: 9/28/2011 22:30:07 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	3347.	694.6	-118.5	31.23	706.8	-1.061
Stddev	27.	6.3	14.5	.22	10.5	.518
%RSD	.8176	.9049	12.21	.7135	1.481	48.87

#1	3354.	695.7	-109.2	31.33	714.3	-.8167
#2	3371.	700.3	-135.1	31.38	711.1	-1.657
#3	3317.	687.9	-111.1	30.97	694.8	-.7099

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.5664	1.939	285.1	206.5	36.55	1.280
Stddev	2.671	.781	3.2	2.6	.63	.358
%RSD	471.6	40.27	1.126	1.258	1.712	28.00

#1	1.913	1.865	284.8	208.1	37.12	1.040
#2	-2.510	1.197	288.4	207.9	36.64	1.692
#3	2.296	2.753	282.0	203.5	35.88	1.108

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-9-b du@4 Acquired: 9/28/2011 22:30:07 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	11.28	15.21	310.9
Stddev	.41	.12	3.0
%RSD	3.610	.7846	.9762

#1	11.50	15.34	309.4
#2	11.54	15.20	314.4
#3	10.81	15.10	308.9

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	2587.5	36965.	5626.4
Stddev	4.4	138.	24.8
%RSD	.16922	.37431	.44076

#1	2583.0	36825.	5604.2
#2	2587.7	36967.	5622.0
#3	2591.8	37102.	5653.2

Sample Name: 460-31642-a-9-a@4 Acquired: 9/28/2011 22:33:48 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	40410.	132.5	-1.457	86.28	6.731	1172.
Stddev	38.	4.4	.349	1.45	.159	26.
%RSD	.0929	3.312	23.93	1.681	2.368	2.201

#1	40400.	135.0	-1.162	86.80	6.594	1188.
#2	40370.	135.1	-1.367	87.41	6.906	1142.
#3	40450.	127.5	-1.842	84.65	6.695	1185.

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	-1.719	14.46	206.5	62.25	F 349800.	7931.
Stddev	.374	.52	3.5	2.26	4397.	43.
%RSD	21.76	3.606	1.672	3.628	1.257	.5439

#1	-1.557	14.56	206.8	64.69	350500.	7882.
#2	-1.453	14.92	209.8	60.23	353800.	7948.
#3	-2.147	13.89	202.9	61.84	345100.	7964.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-31642-a-9-a@4 Acquired: 9/28/2011 22:33:48 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	3250.	583.4	-270.2	35.95	913.5	-6.157
Stddev	39.	6.6	3.3	.40	12.4	2.068
%RSD	1.203	1.130	1.204	1.119	1.352	33.59

#1	3250.	584.3	-268.6	36.41	916.6	-8.274
#2	3289.	589.4	-268.0	35.76	923.9	-4.141
#3	3211.	576.4	-273.9	35.67	899.9	-6.056

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-1.192	5.414	282.9	316.3	40.54	.3975
Stddev	1.107	1.684	3.9	4.4	.88	.1141
%RSD	92.86	31.11	1.376	1.386	2.179	28.70

#1	-1.007	3.865	283.6	317.1	40.30	.2662
#2	-.1890	5.169	286.5	320.2	41.52	.4720
#3	-2.379	7.207	278.8	311.5	39.80	.4545

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-9-a@4 Acquired: 9/28/2011 22:33:48 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	9.686	13.06	262.6
Stddev	.826	.11	2.6
%RSD	8.526	.8596	.9768

#1	9.139	13.06	262.2
#2	10.64	12.94	260.2
#3	9.284	13.17	265.3

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	2555.0	36091.	5563.4
Stddev	11.4	215.	26.0
%RSD	.44716	.59585	.46822

#1	2557.3	35998.	5576.6
#2	2542.6	35939.	5580.3
#3	2565.1	36337.	5533.4

Sample Name: sd 460-31642-a-9-a@2 Acquired: 9/28/2011 22:37:28 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	8065.	27.78	.2763	17.07	1.311	219.1
Stddev	54.	.74	.1339	.28	.105	9.6
%RSD	.6708	2.655	48.47	1.665	8.011	4.379
#1	8084.	28.56	.2348	17.13	1.312	229.2
#2	8107.	27.09	.1681	17.33	1.415	210.1
#3	8004.	27.71	.4261	16.77	1.205	218.1
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	-.0949	2.791	40.51	11.21	69060.	1475.
Stddev	.0877	.205	.32	2.07	597.	87.
%RSD	92.41	7.358	.7920	18.49	.8645	5.881
#1	-.0068	2.880	40.88	13.57	69110.	1550.
#2	-.0958	2.557	40.33	9.678	69630.	1380.
#3	-.1822	2.938	40.32	10.38	68440.	1495.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-31642-a-9-a@2 Acquired: 9/28/2011 22:37:28 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	659.4	116.9	-97.72	7.833	187.2	-2.218
Stddev	5.6	.8	8.55	.340	1.2	1.305
%RSD	.8521	.6447	8.754	4.341	.6643	58.87

#1	656.0	116.8	-103.6	7.671	187.8	-2.736
#2	665.9	117.6	-101.7	8.223	188.0	-3.184
#3	656.3	116.1	-87.91	7.604	185.8	-.7326

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-2.174	.0907	55.04	63.26	8.331	.0073
Stddev	2.700	.5008	1.22	.70	.662	.2673
%RSD	124.2	552.3	2.223	1.108	7.949	3666.

#1	.1561	.6017	54.73	63.82	8.229	.3151
#2	-5.132	.0694	56.39	63.48	9.038	-.1272
#3	-1.547	-.3991	54.00	62.47	7.726	-.1661

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-31642-a-9-a@2 Acquired: 9/28/2011 22:37:28 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	2.358	2.547	49.34
Stddev	1.229	.112	2.23
%RSD	52.14	4.407	4.519

#1	2.285	2.425	46.85
#2	3.621	2.647	51.17
#3	1.166	2.568	50.00

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	2541.2	36295.	5436.1
Stddev	6.9	81.	26.8
%RSD	.27249	.22416	.49364

#1	2549.2	36376.	5418.6
#2	2536.7	36295.	5422.8
#3	2537.7	36213.	5467.0

Sample Name: 460-31642-a-9-c ms@4 Acquired: 9/28/2011 22:41:11 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	47610.	1299.	21.87	1117.	28.32	11780.
Stddev	181.	13.	.82	13.	.32	103.
%RSD	.3800	.9795	3.762	1.155	1.140	.8730

#1	47630.	1302.	22.46	1115.	28.30	11800.
#2	47420.	1310.	22.22	1131.	28.01	11680.
#3	47780.	1285.	20.93	1105.	28.65	11880.

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	23.54	269.6	480.0	175.5	F 207100.	20450.
Stddev	.64	3.5	.8	2.2	196.	206.
%RSD	2.711	1.290	.1634	1.270	.0948	1.008

#1	23.72	270.1	479.1	174.5	207000.	20610.
#2	24.07	272.9	480.2	178.0	207300.	20220.
#3	22.83	265.9	480.6	173.9	207000.	20530.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-31642-a-9-c ms@4 Acquired: 9/28/2011 22:41:11 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	14370.	877.1	9795.	300.2	976.8	116.1
Stddev	34.	1.6	30.	3.8	8.2	2.1
%RSD	.2336	.1871	.3061	1.272	.8384	1.808

#1	14330.	876.0	9767.	301.1	977.4	117.1
#2	14380.	876.3	9791.	303.4	984.7	117.5
#3	14390.	879.0	9826.	296.0	968.3	113.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	893.8	1013.	605.9	478.5	286.2	236.1
Stddev	11.5	11.	1.9	5.3	2.5	3.5
%RSD	1.283	1.077	.3147	1.103	.8761	1.490

#1	896.1	1015.	603.8	479.0	286.1	237.5
#2	904.0	1023.	607.4	483.6	288.8	238.7
#3	881.4	1001.	606.5	473.1	283.8	232.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-9-c ms@4 Acquired: 9/28/2011 22:41:11 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	235.2	271.0	591.9
Stddev	2.4	2.3	4.4
%RSD	1.009	.8562	.7370

#1	235.8	272.3	593.2
#2	237.3	268.3	587.0
#3	232.6	272.3	595.5

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	2516.4	35636.	5509.7
Stddev	9.9	65.	42.1
%RSD	.39478	.18243	.76440

#1	2520.1	35565.	5475.2
#2	2505.1	35691.	5556.6
#3	2523.9	35653.	5497.3

Sample Name: pds 460-31642-a-9-a@ Acquired: 9/28/2011 22:44:46 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	42130.	2008.	45.34	2075.	57.05	22230.
Stddev	135.	23.	.63	33.	.30	62.
%RSD	.3203	1.131	1.387	1.576	.5227	.2787

#1	42000.	2013.	45.03	2079.	56.88	22180.
#2	42100.	2028.	46.07	2105.	56.89	22200.
#3	42270.	1983.	44.93	2040.	57.40	22300.

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	47.46	513.1	408.5	315.1	F 349800.	27680.
Stddev	.80	4.8	2.3	2.6	1049.	111.
%RSD	1.694	.9367	.5685	.8186	.2999	.4003

#1	47.69	513.9	406.4	312.1	349300.	27620.
#2	48.13	517.5	411.0	316.5	351000.	27610.
#3	46.57	508.0	408.1	316.6	349100.	27810.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: pds 460-31642-a-9-a@ Acquired: 9/28/2011 22:44:46 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	22530.	1102.	19670.	542.8	1407.	459.6
Stddev	78.	4.	122.	6.1	12.	4.6
%RSD	.3464	.3957	.6216	1.127	.8207	.9923

#1	22480.	1100.	19590.	545.1	1407.	460.3
#2	22620.	1107.	19610.	547.4	1418.	463.8
#3	22500.	1099.	19810.	535.8	1395.	454.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1843.	2020.	774.5	807.0	562.4	487.8
Stddev	17.	20.	2.0	8.2	4.6	5.6
%RSD	.9071	.9899	.2605	1.012	.8135	1.151

#1	1844.	2022.	773.1	808.7	562.9	489.2
#2	1858.	2039.	776.8	814.2	566.7	492.5
#3	1825.	1999.	773.5	798.1	557.6	481.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-31642-a-9-a@ Acquired: 9/28/2011 22:44:46 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	490.2	507.7	764.8
Stddev	4.4	1.5	3.5
%RSD	.9061	.3019	.4545

#1	490.9	506.0	762.2
#2	494.3	508.1	763.5
#3	485.5	508.9	768.8

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	2521.3	35454.	5550.1
Stddev	11.8	25.	10.8
%RSD	.46670	.07091	.19524

#1	2520.6	35482.	5547.1
#2	2509.9	35448.	5562.1
#3	2533.4	35433.	5541.1

Sample Name: 460-31642-a-11-a@4 Acquired: 9/28/2011 22:48:15 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	45990.	103.5	-1.853	262.7	3.433	3546.
Stddev	54.	2.0	.889	4.1	.082	29.
%RSD	.1182	1.966	47.96	1.546	2.387	.8135

#1	46010.	102.3	-1.865	264.0	3.504	3561.
#2	45930.	105.9	-2.735	266.0	3.451	3564.
#3	46020.	102.4	-.9578	258.2	3.344	3513.

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	-.9337	29.68	184.1	47.25	F 243300.	12690.
Stddev	.3145	.37	.9	1.65	472.	51.
%RSD	33.68	1.254	.4658	3.492	.1941	.4013

#1	-1.013	29.81	185.0	46.06	243800.	12690.
#2	-.5872	29.97	183.4	49.13	243300.	12750.
#3	-1.201	29.26	183.7	46.55	242900.	12640.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-31642-a-11-a@4 Acquired: 9/28/2011 22:48:15 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	6042.	1932.	-121.4	49.79	836.4	-3.026
Stddev	26.	9.	11.0	.71	8.3	2.822
%RSD	.4230	.4577	9.091	1.429	.9878	93.26

#1	6069.	1938.	-130.6	50.01	836.8	-6.004
#2	6040.	1937.	-109.2	50.36	844.5	-.3912
#3	6018.	1922.	-124.6	48.99	828.0	-2.683

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	6.180	3.237	377.5	407.0	54.73	.1142
Stddev	1.010	2.615	1.3	4.8	.80	.3423
%RSD	16.35	80.79	.3401	1.177	1.455	299.8

#1	5.015	3.151	378.8	408.7	55.52	-.2250
#2	6.810	.6662	377.3	410.8	54.75	.4595
#3	6.714	5.895	376.3	401.6	53.93	.1080

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-11-a@4 Acquired: 9/28/2011 22:48:15 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	6.015	31.37	160.3
Stddev	.417	.13	2.0
%RSD	6.932	.4181	1.273

#1	6.374	31.43	158.0
#2	5.558	31.45	161.1
#3	6.113	31.22	161.9

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	2614.4	37241.	5716.0
Stddev	5.0	9.	9.3
%RSD	.19102	.02512	.16234

#1	2616.2	37233.	5722.3
#2	2608.8	37237.	5705.3
#3	2618.3	37251.	5720.3

Sample Name: 460-31642-a-12-a@4 Acquired: 9/28/2011 22:51:55 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	38710.	97.36	-1.532	103.4	2.583	1529.
Stddev	68.	2.69	.261	1.2	.055	3.
%RSD	.1749	2.764	17.05	1.197	2.133	.1883

#1	38750.	97.27	-1.469	103.7	2.613	1530.
#2	38630.	100.1	-1.309	104.4	2.616	1532.
#3	38750.	94.72	-1.820	102.0	2.519	1526.

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	-.5243	14.42	139.3	98.85	161100.	8637.
Stddev	.0805	.10	2.3	1.30	2275.	89.
%RSD	15.36	.7193	1.683	1.320	1.412	1.029

#1	-.5689	14.43	140.9	97.64	162000.	8674.
#2	-.5727	14.53	140.4	98.69	162800.	8535.
#3	-.4314	14.32	136.6	100.2	158500.	8701.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-12-a@4 Acquired: 9/28/2011 22:51:55 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	4428.	842.8	-91.40	34.50	1486.	-4.683
Stddev	53.	10.1	12.25	.62	16.	.230
%RSD	1.193	1.200	13.41	1.811	1.078	4.902

#1	4441.	844.4	-97.64	34.57	1490.	-4.558
#2	4473.	852.0	-99.28	35.09	1499.	-4.543
#3	4370.	832.0	-77.28	33.84	1468.	-4.948

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.114	2.579	275.7	224.5	41.49	.5034
Stddev	2.085	.771	4.8	2.9	.43	.2875
%RSD	187.2	29.92	1.746	1.271	1.026	57.11

#1	2.890	2.831	276.9	225.2	41.90	.1800
#2	-1.182	1.713	279.9	226.9	41.54	.7298
#3	1.633	3.193	270.4	221.3	41.05	.6005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-12-a@4 Acquired: 9/28/2011 22:51:55 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	18.11	17.91	176.5
Stddev	1.36	.06	2.5
%RSD	7.511	.3204	1.423

#1	19.17	17.86	174.7
#2	18.60	17.90	175.5
#3	16.58	17.98	179.4

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	2633.5	37627.	5745.5
Stddev	10.6	256.	37.1
%RSD	.40310	.68165	.64572

#1	2637.5	37579.	5772.6
#2	2621.5	37398.	5760.7
#3	2641.6	37904.	5703.2

Sample Name: 460-31642-a-13-a@4 Acquired: 9/28/2011 22:55:35 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	36210.	75.26	-.4388	431.8	2.249	6041.
Stddev	445.	2.67	.5079	.6	.070	56.
%RSD	1.229	3.548	115.7	.1453	3.101	.9255

#1	36290.	75.33	-.9919	431.5	2.264	6035.
#2	35730.	72.56	-.3311	432.6	2.173	5988.
#3	36600.	77.90	.0066	431.5	2.310	6099.

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	.8600	16.72	105.1	74.90	113000.	7574.
Stddev	.0550	.20	.7	3.22	361.	86.
%RSD	6.396	1.185	.7018	4.303	.3195	1.142

#1	.8119	16.63	104.6	78.62	113300.	7519.
#2	.9199	16.94	104.7	73.06	112600.	7530.
#3	.8482	16.58	105.9	73.02	113200.	7674.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-13-a@4 Acquired: 9/28/2011 22:55:35 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	4201.	2524.	-8.460	38.98	1226.	-3.583
Stddev	15.	8.	14.25	.50	3.	2.204
%RSD	.3583	.3026	168.4	1.285	.2388	61.51

#1	4207.	2523.	5.330	38.41	1227.	-4.190
#2	4183.	2517.	-7.584	39.17	1229.	-5.420
#3	4211.	2532.	-23.13	39.36	1223.	-1.139

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.8995	-1.412	199.8	551.6	34.01	.5196
Stddev	1.527	1.615	.4	2.2	.71	.4406
%RSD	169.7	114.4	.2205	.3948	2.078	84.79

#1	-.7133	-3.200	200.0	552.6	34.36	1.023
#2	2.322	-.9745	199.3	553.1	34.48	.3290
#3	1.090	-.0608	200.1	549.1	33.20	.2064

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-13-a@4 Acquired: 9/28/2011 22:55:35 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	25.79	46.63	199.0
Stddev	.43	.70	2.7
%RSD	1.660	1.500	1.377

#1	26.25	46.86	201.1
#2	25.72	45.85	195.9
#3	25.40	47.19	200.1

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	2653.1	37863.	5796.7
Stddev	12.0	142.	53.9
%RSD	.45048	.37463	.93071

#1	2662.5	37935.	5797.8
#2	2657.1	37955.	5850.1
#3	2639.6	37700.	5742.2

Sample Name: CCV Acquired: 9/28/2011 22:59:18 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	128600.	2516.	1258.	10240.	1025.	129800.
Stddev	1376.	17.	7.	71.	10.	1276.
%RSD	1.070	.6736	.5259	.6897	1.007	.9831

#1	129300.	2519.	1264.	10240.	1031.	130600.
#2	129400.	2531.	1259.	10310.	1030.	130400.
#3	127000.	2498.	1251.	10170.	1013.	128300.

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	1282.	2536.	5110.	12820.	101600.	51280.
Stddev	8.	15.	28.	120.	488.	416.
%RSD	.6623	.6054	.5439	.9334	.4802	.8114

#1	1282.	2535.	5135.	12890.	102000.	51580.
#2	1291.	2552.	5116.	12890.	101800.	51440.
#3	1274.	2521.	5080.	12680.	101100.	50800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/28/2011 22:59:18 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	127500.	5192.	127300.	2568.	7672.	1015.
Stddev	676.	24.	1315.	18.	46.	8.
%RSD	.5299	.4599	1.033	.6876	.6026	.7706

#1	128100.	5212.	127800.	2568.	7663.	1017.
#2	127700.	5197.	128300.	2586.	7722.	1022.
#3	126800.	5165.	125800.	2550.	7631.	1007.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	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	2480.	2571.	2521.	2534.	1015.	2545.
Stddev	11.	23.	12.	15.	6.	19.
%RSD	.4557	.9130	.4955	.6001	.6198	.7338

#1	2485.	2568.	2531.	2534.	1013.	2545.
#2	2488.	2596.	2523.	2550.	1022.	2563.
#3	2467.	2550.	2507.	2519.	1011.	2525.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/28/2011 22:59:18 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	1009.	5166.	10180.
Stddev	8.	48.	104.
%RSD	.7685	.9293	1.025

#1	1007.	5199.	10250.
#2	1018.	5188.	10230.
#3	1003.	5111.	10060.

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	2316.1	33009.	5309.5
Stddev	13.7	8.	36.4
%RSD	.58967	.02395	.68557

#1	2325.3	33004.	5281.7
#2	2300.4	33005.	5296.2
#3	2322.5	33018.	5350.7

Sample Name: CCB Acquired: 9/28/2011 23:02:46 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	25.09	.5588	-.1228	.1968	.0440	-24.20
Stddev	8.99	2.857	.8461	.1778	.1059	12.17
%RSD	35.83	511.3	689.0	90.34	240.7	50.29

#1	31.10	-2.643	.7927	.3793	.1000	-10.69
#2	14.75	1.473	-.8761	.1870	-.0782	-27.59
#3	29.41	2.847	-.2850	.0241	.1102	-34.31

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	.1261	.0529	-.0809	-2.547	2.583	-60.03
Stddev	.0723	.3460	.5045	3.932	4.776	38.76
%RSD	57.33	653.8	623.8	154.3	184.9	64.57

#1	.1190	.0973	.5015	1.707	7.980	-30.03
#2	.2016	.3745	-.3856	-3.302	.8665	-46.26
#3	.0576	-.3131	-.3586	-6.047	-1.097	-103.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/28/2011 23:02:46 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	4.671	.6609	-46.38	.6627	-.9798	2.295
Stddev	2.349	.1764	13.46	.1482	.5658	1.333
%RSD	50.28	26.70	29.02	22.37	57.75	58.09

#1	7.270	.8621	-30.84	.4915	-1.616	1.306
#2	4.040	.5879	-54.44	.7475	-.7890	1.769
#3	2.702	.5327	-53.85	.7489	-.5340	3.811

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.2537	.2228	.1380	.0839	1.423	4.117
Stddev	3.675	1.815	.2278	.0910	.527	.421
%RSD	1449.	814.6	165.1	108.4	37.00	10.24

#1	-2.807	1.569	.1203	.1704	1.727	4.088
#2	-.7621	-1.841	-.0804	-.0111	.8153	4.552
#3	4.330	.9400	.3741	.0925	1.728	3.711

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/28/2011 23:02:46 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	.1599	.2561	2.108
Stddev	.8352	.0464	1.131
%RSD	522.4	18.12	53.65

#1	1.091	.2077	.9040
#2	-.0882	.3002	2.273
#3	-.5232	.2603	3.148

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	2519.1	36270.	5391.6
Stddev	15.2	218.	53.5
%RSD	.60193	.60236	.99204

#1	2531.2	36067.	5341.4
#2	2502.0	36242.	5385.6
#3	2524.0	36501.	5447.9

Sample Name: 460-31642-a-14-a@4 Acquired: 9/28/2011 23:06:40 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	56430.	133.5	-1.463	226.2	4.124	5649.
Stddev	75.	.4	.335	2.1	.058	11.
%RSD	.1322	.2871	22.88	.9472	1.393	.1865

#1	56390.	133.4	-1.808	226.6	4.149	5637.
#2	56510.	133.2	-1.140	228.1	4.058	5655.
#3	56380.	134.0	-1.439	223.9	4.165	5656.

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	-1.572	28.29	230.3	36.02	F 324300.	15930.
Stddev	.333	.50	.5	1.75	723.	23.
%RSD	21.15	1.775	.2019	4.847	.2231	.1465

#1	-1.451	28.54	229.9	35.71	323900.	15910.
#2	-1.318	28.61	230.3	37.90	323800.	15930.
#3	-1.949	27.71	230.8	34.45	325100.	15950.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-31642-a-14-a@4 Acquired: 9/28/2011 23:06:40 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	7496.	1661.	-166.5	52.16	1528.	-7.119
Stddev	26.	4.	14.6	.73	12.	2.368
%RSD	.3514	.2185	8.776	1.403	.7768	33.26

#1	7483.	1658.	-158.7	52.23	1526.	-4.514
#2	7480.	1661.	-157.5	52.86	1540.	-9.140
#3	7527.	1665.	-183.4	51.40	1517.	-7.705

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	8.338	3.806	443.5	447.0	64.92	-1.019
Stddev	4.342	.536	1.9	4.8	.22	.756
%RSD	52.08	14.08	.4319	1.067	.3388	74.19

#1	11.84	3.285	441.4	447.1	64.73	-.2985
#2	3.480	4.355	444.0	451.8	64.87	-.9524
#3	9.690	3.777	445.1	442.2	65.16	-1.806

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-14-a@4 Acquired: 9/28/2011 23:06:40 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	5.741	37.49	163.7
Stddev	.387	.01	.8
%RSD	6.735	.0293	.4693

#1	5.845	37.48	162.8
#2	5.313	37.49	164.2
#3	6.064	37.50	164.0

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	2604.0	36980.	5704.9
Stddev	8.4	64.	11.3
%RSD	.32421	.17290	.19786

#1	2607.5	36960.	5713.4
#2	2594.4	37051.	5692.1
#3	2610.1	36928.	5709.2

Sample Name: 460-31642-a-15-a@4 Acquired: 9/28/2011 23:10:20 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	60630.	22.08	6.838	1386.	1.608	F 365700.
Stddev	383.	2.45	.298	10.	.053	2815.
%RSD	.6319	11.08	4.360	.7489	3.270	.7697

#1	60470.	24.76	6.612	1382.	1.560	365300.
#2	60350.	19.96	6.727	1397.	1.600	363200.
#3	61070.	21.53	7.176	1377.	1.664	368800.

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	17.65	28.96	3708.	1338.	F 344800.	1938.
Stddev	.60	.20	16.	5.	1126.	19.
%RSD	3.420	.7078	.4315	.4010	.3266	.9991

#1	17.66	28.90	3713.	1336.	345000.	1932.
#2	18.25	29.19	3691.	1335.	343600.	1959.
#3	17.05	28.80	3721.	1345.	345800.	1922.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-31642-a-15-a@4 Acquired: 9/28/2011 23:10:20 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	79020.	F 40850.	790.2	304.0	740.7	3.782
Stddev	350.	199.	2.9	1.7	3.8	2.517
%RSD	.4429	.4868	.3683	.5553	.5115	66.55

#1	79150.	41080.	791.4	304.4	739.7	4.290
#2	78630.	40770.	792.4	305.5	744.8	6.007
#3	79290.	40700.	786.9	302.2	737.4	1.050

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-50.00				

Elem	Se1960	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	-1.541	-3.950	657.8	2462.	289.0	77.92
Stddev	1.865	.426	2.8	13.	1.3	.74
%RSD	121.0	10.78	.4289	.5308	.4536	.9559

#1	.0797	-4.176	657.4	2461.	287.9	78.51
#2	-3.579	-4.214	655.2	2475.	290.5	78.16
#3	-1.125	-3.459	660.8	2449.	288.5	77.08

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31642-a-15-a@4 Acquired: 9/28/2011 23:10:20 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	47.88	432.4	2988.
Stddev	1.07	3.8	20.
%RSD	2.226	.8777	.6613

#1	46.84	431.7	2977.
#2	47.84	429.0	2977.
#3	48.97	436.4	3011.

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	2370.4	33966.	5519.7
Stddev	11.4	161.	46.6
%RSD	.48155	.47323	.84471

#1	2382.8	33929.	5521.9
#2	2368.0	34143.	5565.3
#3	2360.4	33828.	5472.1

Sample Name: 460-31627-f-1-d@4 Acquired: 9/28/2011 23:14:06 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	3823.	11.34	-.1992	33.94	.4522	686.9
Stddev	23.	2.23	.6658	.32	.0429	10.6
%RSD	.5911	19.63	334.3	.9523	9.497	1.546

#1	3809.	12.81	-.3132	33.81	.4596	699.2
#2	3811.	8.781	.5163	34.31	.4060	681.2
#3	3849.	12.44	-.8006	33.71	.4910	680.3

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	.8431	5.211	28.27	18.80	19180.	593.7
Stddev	.0594	.170	.47	.86	99.	21.5
%RSD	7.045	3.267	1.675	4.594	.5146	3.622

#1	.8161	5.284	27.92	18.65	19070.	602.9
#2	.9112	5.332	28.08	19.72	19240.	569.1
#3	.8020	5.016	28.81	18.01	19240.	609.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31627-f-1-d@4 Acquired: 9/28/2011 23:14:06 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	835.8	119.2	-26.21	10.40	41.89	.1983
Stddev	3.5	.7	10.48	.44	.69	1.495
%RSD	.4201	.6032	39.97	4.253	1.646	753.7

#1	833.3	120.0	-20.26	10.26	41.29	1.453
#2	834.3	118.9	-38.31	10.04	42.65	-1.456
#3	839.8	118.7	-20.07	10.89	41.74	.5972

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.9922	.6340	24.71	125.0	3.319	1.175
Stddev	1.492	2.552	.27	1.1	.141	.314
%RSD	150.4	402.6	1.085	.9066	4.240	26.74

#1	1.402	-.2660	24.77	124.5	3.314	1.013
#2	-.6618	3.514	24.42	126.3	3.181	1.538
#3	2.236	-1.346	24.95	124.2	3.462	.9758

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31627-f-1-d@4 Acquired: 9/28/2011 23:14:06 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	1.863	5.607	124.0
Stddev	.440	.003	1.2
%RSD	23.59	.0514	.9978

#1	1.465	5.607	125.0
#2	1.790	5.609	124.4
#3	2.335	5.603	122.6

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	2561.2	36905.	5544.4
Stddev	14.4	181.	35.5
%RSD	.56240	.49042	.64005

#1	2577.7	37004.	5536.5
#2	2551.4	37015.	5583.2
#3	2554.4	36696.	5513.6

Sample Name: 460-31151-d-3-e@4 Acquired: 9/28/2011 23:17:51 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	6786.	15.70	.0143	280.2	.4449	297.6
Stddev	66.	.74	.5609	3.9	.0903	6.4
%RSD	.9678	4.696	3915.	1.407	20.30	2.137

#1	6722.	15.53	.4727	281.3	.4567	303.1
#2	6782.	15.06	.1813	283.5	.5287	290.6
#3	6854.	16.51	-.6111	275.9	.3493	299.2

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	.2129	1.776	18.15	29.64	36690.	663.4
Stddev	.0613	.338	.62	2.81	257.	67.9
%RSD	28.80	19.03	3.425	9.467	.6998	10.23

#1	.2027	2.138	18.68	30.09	36650.	684.6
#2	.2787	1.469	17.46	26.64	36970.	587.4
#3	.1573	1.720	18.30	32.19	36460.	718.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31151-d-3-e@4 Acquired: 9/28/2011 23:17:51 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	451.4	443.8	-40.11	3.296	37.73	-.1718
Stddev	6.9	2.1	21.16	.126	.55	1.300
%RSD	1.520	.4650	52.74	3.810	1.451	756.9

#1	449.1	444.4	-18.23	3.436	38.36	1.260
#2	459.1	445.4	-60.46	3.261	37.47	-.4967
#3	446.0	441.5	-41.65	3.192	37.37	-1.279

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.0106	.6163	53.36	38.93	4.879	.4703
Stddev	1.773	1.413	.29	.70	.816	.0687
%RSD	16790.	229.3	.5371	1.807	16.73	14.61

#1	1.997	2.199	53.34	39.04	5.610	.3991
#2	-.5524	-.5192	53.66	39.58	5.029	.4755
#3	-1.413	.1689	53.09	38.18	3.998	.5362

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31151-d-3-e@4 Acquired: 9/28/2011 23:17:51 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	2.021	7.363	117.3
Stddev	.560	.075	1.0
%RSD	27.70	1.023	.8733

#1	2.366	7.374	117.8
#2	1.375	7.433	116.1
#3	2.322	7.283	117.9

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	2568.8	37108.	5551.4
Stddev	13.4	68.	61.3
%RSD	.52092	.18292	1.1044

#1	2583.4	37132.	5620.8
#2	2557.3	37160.	5528.6
#3	2565.6	37031.	5504.7

Sample Name: 460-31151-d-10-e@4 Acquired: 9/28/2011 23:21:38 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	26140.	10.36	-7328	63.83	.6226	13600.
Stddev	204.	.88	.9289	.97	.0267	67.
%RSD	.7793	8.492	126.8	1.519	4.294	.4904

#1	26360.	10.12	-1.786	64.53	.6522	13650.
#2	26080.	9.625	-.3817	64.23	.6153	13630.
#3	25970.	11.33	-.0306	62.72	.6002	13520.

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	.8069	22.19	68.85	137.2	55740.	1802.
Stddev	.1402	.75	.96	4.3	872.	10.
%RSD	17.38	3.377	1.398	3.103	1.564	.5673

#1	.9081	22.74	69.02	133.2	56120.	1805.
#2	.8658	22.49	69.71	141.6	56360.	1810.
#3	.6468	21.34	67.81	136.8	54740.	1790.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31151-d-10-e@4 Acquired: 9/28/2011 23:21:38 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	11060.	481.4	1429.	51.77	46.90	-1.496
Stddev	172.	7.7	4.	.71	1.23	1.437
%RSD	1.552	1.591	.2798	1.369	2.614	96.02

#1	11110.	483.2	1433.	52.11	47.44	-1.261
#2	11200.	488.0	1426.	52.24	47.77	-.1916
#3	10870.	473.0	1427.	50.95	45.50	-3.036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-.6325	-.1953	118.2	148.1	21.64	.3542
Stddev	1.212	.8588	1.7	1.9	.10	.3946
%RSD	191.6	439.7	1.456	1.309	.4440	111.4

#1	.3584	.7167	119.1	149.6	21.72	.0284
#2	-1.983	-.9887	119.3	148.8	21.53	.2412
#3	-.2726	-.3140	116.2	145.9	21.67	.7929

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31151-d-10-e@4 Acquired: 9/28/2011 23:21:38 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	3.102	79.94	743.9
Stddev	.787	.49	4.9
%RSD	25.37	.6143	.6549

#1	3.859	80.45	749.2
#2	3.158	79.92	742.9
#3	2.288	79.47	739.6

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	2600.7	37250.	5686.8
Stddev	8.0	361.	15.4
%RSD	.30855	.96977	.27003

#1	2593.6	37199.	5676.8
#2	2599.1	36918.	5704.5
#3	2609.4	37635.	5679.2

Sample Name: 460-31151-d-13-e@4 Acquired: 9/28/2011 23:25:21 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	22460.	29.96	-.2752	82.97	.9884	6494.
Stddev	117.	.97	.3305	.47	.1003	26.
%RSD	.5200	3.254	120.1	.5607	10.14	.4010

#1	22510.	29.26	.1021	83.14	1.095	6524.
#2	22330.	31.07	-.5138	83.32	.8955	6476.
#3	22540.	29.54	-.4137	82.44	.9750	6483.

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	2.534	14.33	67.26	119.5	85520.	2196.
Stddev	.159	.26	.57	3.1	230.	41.
%RSD	6.263	1.818	.8495	2.575	.2691	1.864

#1	2.460	14.15	67.32	117.7	85530.	2239.
#2	2.716	14.62	66.67	117.8	85290.	2158.
#3	2.425	14.21	67.80	123.1	85750.	2190.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31151-d-13-e@4 Acquired: 9/28/2011 23:25:21 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	5383.	522.2	135.3	29.46	176.5	-1.957
Stddev	23.	1.4	13.9	.41	.3	.783
%RSD	.4347	.2641	10.28	1.392	.1538	40.03

#1	5389.	521.6	147.6	29.44	176.7	-1.238
#2	5357.	521.2	138.1	29.89	176.6	-2.792
#3	5403.	523.7	120.2	29.07	176.2	-1.841

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-1.496	-1.165	121.8	279.7	28.27	3.137
Stddev	2.872	.998	.8	2.3	.49	.238
%RSD	191.9	85.65	.6718	.8168	1.742	7.587

#1	-4.751	-.4128	121.3	280.7	28.52	3.367
#2	.6816	-.7847	121.4	281.3	28.60	2.891
#3	-.4201	-2.296	122.7	277.1	27.71	3.154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31151-d-13-e@4 Acquired: 9/28/2011 23:25:21 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	5.699	38.87	512.7
Stddev	.325	.26	1.8
%RSD	5.710	.6659	.3595

#1	6.075	39.14	512.6
#2	5.522	38.62	510.9
#3	5.501	38.86	514.6

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	2578.3	36919.	5618.3
Stddev	4.5	201.	35.4
%RSD	.17394	.54441	.63095

#1	2583.4	37022.	5595.8
#2	2576.2	37048.	5659.1
#3	2575.2	36687.	5599.9

Sample Name: 460-31151-d-16-e@4 Acquired: 9/28/2011 23:29:02 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	49980.	23.40	-.6614	198.8	.4327	44190.
Stddev	277.	2.09	.3460	2.0	.1140	304.
%RSD	.5533	8.913	52.31	1.017	26.34	.6881

#1	50120.	25.77	-.4832	200.0	.4821	44290.
#2	50150.	21.89	-1.060	199.9	.5137	44420.
#3	49660.	22.53	-.4408	196.5	.3023	43840.

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	5.837	40.67	188.0	438.6	146200.	2823.
Stddev	.217	.61	1.9	4.1	1130.	69.
%RSD	3.722	1.491	1.021	.9367	.7729	2.441

#1	5.921	40.66	188.4	442.7	146800.	2810.
#2	6.000	41.28	189.6	434.5	147000.	2898.
#3	5.591	40.06	185.9	438.5	144900.	2762.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31151-d-16-e@4 Acquired: 9/28/2011 23:29:02 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	24750.	1875.	2900.	105.6	180.5	-3.904
Stddev	213.	16.	7.	1.4	1.1	1.249
%RSD	.8613	.8486	.2327	1.357	.5832	32.00

#1	24840.	1879.	2907.	105.9	180.9	-3.140
#2	24910.	1889.	2895.	106.9	181.3	-3.226
#3	24510.	1858.	2897.	104.1	179.3	-5.345

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-1.804	-2.211	200.9	620.4	363.7	7.204
Stddev	2.426	.317	1.9	7.6	3.1	.280
%RSD	134.5	14.33	.9629	1.223	.8645	3.879

#1	.5546	-2.002	201.8	622.6	363.6	7.298
#2	-4.292	-2.575	202.3	626.6	366.9	7.424
#3	-1.675	-2.054	198.7	611.9	360.6	6.890

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31151-d-16-e@4 Acquired: 9/28/2011 23:29:02 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	16.29	132.4	3414.
Stddev	.99	1.3	21.
%RSD	6.089	.9869	.6134

#1	15.24	132.9	3432.
#2	17.21	133.3	3420.
#3	16.44	130.9	3391.

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	2581.9	36606.	5699.3
Stddev	13.5	157.	20.4
%RSD	.52242	.43000	.35794

#1	2588.1	36714.	5701.3
#2	2566.4	36426.	5678.0
#3	2591.1	36679.	5718.7

Sample Name: 460-31636-a-1-d@4 Acquired: 9/28/2011 23:32:40 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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.	26.97	.2392	144.8	1.422	144400.
Stddev	395.	1.08	.7131	2.0	.073	1591.
%RSD	1.169	3.993	298.1	1.367	5.120	1.102

#1	33790.	28.17	-.0532	146.6	1.504	143900.
#2	34110.	26.09	-.2811	145.0	1.366	146200.
#3	33320.	26.65	1.052	142.7	1.395	143100.

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	1.021	19.46	126.1	82.11	63430.	6921.
Stddev	.076	.23	.4	2.41	358.	130.
%RSD	7.411	1.161	.3457	2.940	.5650	1.874

#1	1.107	19.70	126.3	84.89	63840.	6952.
#2	.9956	19.43	125.6	80.58	63270.	7032.
#3	.9618	19.26	126.4	80.86	63180.	6778.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31636-a-1-d@4 Acquired: 9/28/2011 23:32:40 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	16870.	929.5	13190.	56.33	69.26	-1.200
Stddev	69.	4.4	115.	.87	.94	.686
%RSD	.4092	.4785	.8713	1.538	1.360	57.16

#1	16950.	934.4	13170.	57.20	68.32	-1.750
#2	16850.	928.2	13320.	56.32	70.21	-.4316
#3	16820.	925.8	13090.	55.47	69.26	-1.417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-1.991	-2.616	78.36	322.6	57.23	5.759
Stddev	3.228	1.519	.64	4.6	.90	.340
%RSD	162.1	58.07	.8202	1.417	1.570	5.910

#1	-4.999	-4.355	78.64	326.4	58.26	5.553
#2	1.419	-1.948	77.62	323.9	56.60	6.152
#3	-2.393	-1.545	78.80	317.5	56.83	5.573

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31636-a-1-d@4 Acquired: 9/28/2011 23:32:40 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	9.994	656.2	674.8
Stddev	.574	7.7	6.8
%RSD	5.740	1.177	1.006

#1	9.331	655.1	673.8
#2	10.32	664.4	682.1
#3	10.33	649.0	668.7

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	2540.3	36123.	5653.3
Stddev	18.5	127.	49.8
%RSD	.72687	.35052	.88172

#1	2519.0	35983.	5664.0
#2	2550.6	36157.	5599.0
#3	2551.3	36230.	5697.0

Sample Name: 460-31636-a-2-d@4 Acquired: 9/28/2011 23:36:21 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	32650.	41.35	.8487	172.2	1.602	82550.
Stddev	253.	1.87	.7746	3.0	.073	613.
%RSD	.7758	4.532	91.26	1.747	4.533	.7431

#1	32610.	43.26	1.303	172.9	1.547	82740.
#2	32420.	41.28	1.289	174.8	1.684	81870.
#3	32920.	39.52	-.0456	168.9	1.575	83050.

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	1.587	25.57	133.9	109.3	76810.	7395.
Stddev	.125	.52	1.0	.4	230.	148.
%RSD	7.857	2.052	.7493	.4105	.2993	1.996

#1	1.651	25.93	133.7	109.2	77030.	7344.
#2	1.667	25.83	135.0	109.0	76840.	7280.
#3	1.444	24.97	133.0	109.8	76570.	7562.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31636-a-2-d@4 Acquired: 9/28/2011 23:36:21 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	15780.	890.6	14010.	59.33	93.15	-2.531
Stddev	61.	4.7	78.	.84	2.55	.996
%RSD	.3833	.5251	.5551	1.418	2.737	39.36

#1	15820.	893.1	13980.	58.97	93.27	-2.844
#2	15820.	893.6	13950.	60.29	95.63	-1.416
#3	15710.	885.2	14100.	58.72	90.54	-3.333

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.9942	.0919	79.80	293.2	52.57	5.206
Stddev	1.822	1.520	.33	3.5	.35	.328
%RSD	183.2	1655.	.4125	1.187	.6605	6.298

#1	-.4201	-1.055	80.18	294.5	52.44	5.379
#2	3.050	-.4857	79.58	295.8	52.97	4.828
#3	.3530	1.816	79.65	289.3	52.31	5.410

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31636-a-2-d@4 Acquired: 9/28/2011 23:36:21 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	12.75	480.2	543.7
Stddev	.34	4.7	.6
%RSD	2.666	.9849	.1158

#1	12.80	481.2	544.0
#2	13.06	475.0	542.9
#3	12.39	484.3	544.0

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	2572.9	36408.	5655.6
Stddev	14.1	131.	37.8
%RSD	.54983	.36068	.66822

#1	2573.7	36337.	5651.1
#2	2558.4	36327.	5695.4
#3	2586.7	36559.	5620.2

Sample Name: 460-31636-a-3-d@4 Acquired: 9/28/2011 23:40:02 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	35630.	67.16	.6688	153.9	2.101	105100.
Stddev	156.	.42	.2046	1.9	.097	433.
%RSD	.4364	.6268	30.59	1.205	4.635	.4116

#1	35750.	66.67	.6204	154.5	2.171	105400.
#2	35700.	67.34	.4927	155.3	2.141	105200.
#3	35460.	67.46	.8933	151.8	1.990	104600.

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	.5125	29.97	115.0	79.04	115200.	7331.
Stddev	.0884	.25	1.8	1.94	1636.	34.
%RSD	17.25	.8461	1.565	2.455	1.420	.4660

#1	.6037	30.22	115.4	78.23	115600.	7349.
#2	.4272	29.97	116.6	81.25	116600.	7291.
#3	.5066	29.71	113.0	77.63	113400.	7352.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31636-a-3-d@4 Acquired: 9/28/2011 23:40:02 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	16750.	976.3	13650.	58.95	66.80	-4.534
Stddev	211.	10.0	60.	.85	.93	2.869
%RSD	1.261	1.024	.4383	1.442	1.397	63.27

#1	16800.	977.8	13680.	59.50	67.69	-1.519
#2	16940.	985.4	13700.	59.38	65.83	-7.229
#3	16520.	965.6	13580.	57.97	66.88	-4.854

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-2.2596	-1.329	94.20	273.3	57.28	5.634
Stddev	2.168	.377	1.02	3.6	1.33	.280
%RSD	835.1	28.35	1.082	1.329	2.323	4.974

#1	-2.090	-.9270	94.34	274.0	57.20	5.930
#2	-.8232	-1.674	95.14	276.5	58.65	5.601
#3	2.135	-1.387	93.12	269.3	55.99	5.372

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31636-a-3-d@4 Acquired: 9/28/2011 23:40:02 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	9.896	579.7	598.6
Stddev	.510	2.6	1.1
%RSD	5.150	.4401	.1826

#1	9.346	582.5	599.3
#2	10.35	578.9	599.2
#3	9.988	577.6	597.3

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	2568.8	36574.	5710.5
Stddev	15.8	266.	17.3
%RSD	.61543	.72619	.30371

#1	2578.3	36624.	5691.0
#2	2550.5	36287.	5724.3
#3	2577.5	36811.	5716.0

Sample Name: CCV Acquired: 9/28/2011 23:43:45 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	130000.	2521.	1259.	10250.	1035.	131000.
Stddev	859.	11.	4.	34.	6.	673.
%RSD	.6610	.4325	.2930	.3345	.5861	.5139

#1	130900.	2526.	1261.	10260.	1041.	131700.
#2	129200.	2529.	1254.	10270.	1030.	130400.
#3	129900.	2509.	1261.	10210.	1032.	130800.

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	1283.	2534.	5109.	12950.	101500.	51720.
Stddev	4.	9.	16.	91.	386.	152.
%RSD	.3084	.3414	.3195	.7056	.3796	.2942

#1	1284.	2533.	5120.	13040.	101700.	51870.
#2	1286.	2543.	5090.	12860.	101100.	51560.
#3	1279.	2526.	5117.	12940.	101800.	51740.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/28/2011 23:43:45 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	127800.	5208.	128800.	2567.	7664.	1014.
Stddev	344.	12.	765.	9.	24.	4.
%RSD	.2695	.2347	.5942	.3378	.3179	.4348

#1	127900.	5218.	129600.	2569.	7671.	1014.
#2	127400.	5194.	128100.	2574.	7684.	1018.
#3	128000.	5213.	128600.	2557.	7637.	1009.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	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	2476.	2556.	2522.	2532.	1015.	2543.
Stddev	6.	13.	8.	9.	4.	13.
%RSD	.2544	.5187	.3104	.3407	.4089	.5189

#1	2469.	2558.	2526.	2534.	1013.	2552.
#2	2478.	2568.	2513.	2540.	1019.	2550.
#3	2481.	2542.	2528.	2523.	1011.	2528.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/28/2011 23:43:45 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	1009.	5225.	10280.
Stddev	4.	34.	69.
%RSD	.3747	.6426	.6737

#1	1009.	5259.	10350.
#2	1013.	5192.	10220.
#3	1005.	5223.	10270.

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	2316.9	33042.	5270.5
Stddev	4.5	86.	22.4
%RSD	.19410	.26156	.42454

#1	2320.3	33087.	5246.7
#2	2311.8	33097.	5273.6
#3	2318.5	32942.	5291.1

Sample Name: CCB Acquired: 9/28/2011 23:47:14 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	28.99	1.497	.1232	.1938	.1045	-18.11
Stddev	6.64	.759	.6201	.1169	.0574	7.54
%RSD	22.89	50.66	503.4	60.34	54.89	41.65

#1	33.75	2.161	.7255	.3219	.1428	-25.84
#2	21.41	1.662	-.5133	.1666	.0386	-10.77
#3	31.81	.6702	.1573	.0929	.1322	-17.73

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	.0497	.1434	.7555	2.006	13.37	65.54
Stddev	.0821	.1121	.3197	1.040	8.05	15.06
%RSD	165.2	78.19	42.32	51.84	60.27	22.99

#1	.0880	.0603	.4732	.8651	20.89	49.07
#2	.1057	.2709	.6904	2.900	14.34	78.62
#3	-.0446	.0989	1.103	2.252	4.867	68.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/28/2011 23:47:14 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	8.174	1.386	-36.55	1.388	-1.138	3.019
Stddev	2.161	.097	16.50	.069	1.020	1.342
%RSD	26.44	6.961	45.14	4.958	89.66	44.44

#1	10.10	1.295	-21.62	1.309	-.5289	3.581
#2	5.836	1.375	-33.76	1.431	-.5688	1.488
#3	8.587	1.487	-54.26	1.425	-2.315	3.989

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.466	1.800	-.3932	.1756	1.649	3.905
Stddev	.799	.405	.2391	.1601	1.176	.192
%RSD	54.49	22.52	60.82	91.19	71.29	4.916

#1	.9980	2.026	-.6673	.3243	2.627	3.703
#2	2.388	2.043	-.2272	.1962	1.975	4.085
#3	1.012	1.332	-.2850	.0061	.3448	3.927

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/28/2011 23:47:14 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	.8540	.2089	3.848
Stddev	.4538	.1864	1.556
%RSD	53.14	89.27	40.45

#1	1.186	.4087	2.106
#2	.3369	.1783	4.336
#3	1.039	.0396	5.102

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	2525.3	36286.	5373.6
Stddev	7.2	344.	26.2
%RSD	.28654	.94869	.48664

#1	2529.6	36054.	5350.2
#2	2516.9	36122.	5401.8
#3	2529.3	36681.	5368.7

Sample Name: 460-31636-a-4-d@4 Acquired: 9/28/2011 23:51:08 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	34160.	39.32	2.055	209.4	1.544	123000.
Stddev	92.	3.25	.417	1.7	.027	835.
%RSD	.2689	8.267	20.29	.7979	1.767	.6788

#1	34060.	37.07	2.236	210.4	1.550	122300.
#2	34230.	43.05	1.578	210.2	1.567	123900.
#3	34190.	37.85	2.350	207.4	1.514	122900.

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	2.979	22.92	179.4	169.8	68390.	7597.
Stddev	.046	.36	1.6	2.5	655.	44.
%RSD	1.556	1.554	.8774	1.491	.9576	.5749

#1	3.022	23.09	178.5	167.1	68180.	7552.
#2	2.984	23.15	181.2	172.1	69130.	7640.
#3	2.930	22.51	178.5	170.0	67880.	7599.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31636-a-4-d@4 Acquired: 9/28/2011 23:51:08 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	17700.	921.7	13120.	63.37	139.3	-.8350
Stddev	140.	9.8	67.	.72	.7	.4646
%RSD	.7887	1.062	.5118	1.133	.4833	55.65

#1	17670.	918.4	13050.	63.15	139.2	-1.363
#2	17860.	932.8	13130.	64.17	140.0	-.6515
#3	17580.	914.1	13180.	62.78	138.7	-.4902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-.7300	.6466	83.14	375.8	59.45	6.751
Stddev	2.197	1.054	.09	3.1	.36	.034
%RSD	301.0	163.0	.1027	.8369	.6003	.4979

#1	-2.924	1.858	83.22	377.8	59.09	6.717
#2	1.470	.1406	83.05	377.5	59.80	6.785
#3	-.7360	-.0592	83.16	372.2	59.46	6.750

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31636-a-4-d@4 Acquired: 9/28/2011 23:51:08 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	18.59	716.7	665.7
Stddev	.71	4.5	1.7
%RSD	3.797	.6329	.2584

#1	17.99	712.6	664.8
#2	18.42	721.6	667.7
#3	19.37	716.1	664.7

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	2536.6	35961.	5623.4
Stddev	5.1	193.	19.1
%RSD	.19980	.53755	.33902

#1	2531.9	36130.	5630.2
#2	2535.8	35750.	5601.9
#3	2542.0	36003.	5638.2

Sample Name: 460-31636-a-5-d@4 Acquired: 9/28/2011 23:54:49 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	33310.	32.46	.5991	140.8	1.465	135000.
Stddev	204.	2.13	.5880	1.3	.039	914.
%RSD	.6123	6.555	98.16	.9431	2.628	.6768

#1	33460.	32.57	.8509	140.4	1.442	135600.
#2	33080.	30.28	-.0730	142.2	1.444	134000.
#3	33400.	34.53	1.019	139.7	1.510	135500.

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	.4908	21.16	113.8	67.89	67100.	6843.
Stddev	.0545	.46	.6	1.86	95.	125.
%RSD	11.10	2.166	.4849	2.732	.1415	1.821

#1	.5509	21.37	114.2	66.34	67140.	6932.
#2	.4766	21.49	113.2	69.95	67180.	6701.
#3	.4448	20.64	114.1	67.39	67000.	6897.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31636-a-5-d@4 Acquired: 9/28/2011 23:54:49 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	16680.	931.3	12740.	53.86	56.54	-3.762
Stddev	20.	1.1	79.	.38	.84	2.141
%RSD	.1178	.1134	.6172	.7099	1.494	56.92

#1	16700.	931.9	12720.	53.90	57.33	-4.681
#2	16660.	930.1	12670.	54.22	55.65	-1.314
#3	16690.	931.9	12830.	53.46	56.65	-5.291

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-6875	1.313	79.35	293.1	63.21	6.040
Stddev	.6062	.667	.98	2.3	.60	.295
%RSD	88.17	50.84	1.230	.7933	.9497	4.878

#1	.0122	1.746	80.47	293.0	63.04	5.740
#2	-1.053	1.648	78.69	295.5	63.88	6.329
#3	-1.022	.5442	78.88	290.8	62.72	6.053

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31636-a-5-d@4 Acquired: 9/28/2011 23:54:49 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	8.482	647.0	697.6
Stddev	.626	5.2	7.8
%RSD	7.382	.8071	1.118

#1	8.509	651.2	702.3
#2	7.843	641.1	688.6
#3	9.095	648.6	701.9

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	2532.2	36028.	5627.8
Stddev	11.4	125.	37.9
%RSD	.45211	.34619	.67391

#1	2545.1	35983.	5602.3
#2	2528.6	36169.	5671.4
#3	2523.1	35931.	5609.8

Sample Name: 460-31636-a-6-d@4 Acquired: 9/28/2011 23:58:31 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	36760.	35.30	1.767	188.7	1.958	119900.
Stddev	252.	.21	.691	1.5	.125	645.
%RSD	.6864	.6018	39.10	.7844	6.384	.5377

#1	36470.	35.08	2.335	188.5	1.872	119100.
#2	36920.	35.32	1.969	190.3	2.101	120300.
#3	36890.	35.50	.9979	187.4	1.900	120100.

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	1.940	23.33	168.9	136.5	85390.	8202.
Stddev	.115	.05	1.5	.7	396.	51.
%RSD	5.908	.2339	.8758	.5131	.4640	.6225

#1	2.007	23.37	167.3	136.5	85000.	8176.
#2	2.006	23.34	170.2	135.8	85790.	8261.
#3	1.808	23.27	169.3	137.2	85380.	8169.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31636-a-6-d@4 Acquired: 9/28/2011 23:58:31 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	18150.	1011.	14260.	64.41	114.8	-2.856
Stddev	101.	6.	79.	.62	1.7	2.431
%RSD	.5589	.6093	.5544	.9579	1.508	85.11

#1	18040.	1004.	14170.	64.49	116.1	-3.364
#2	18230.	1016.	14300.	64.99	115.6	-.2116
#3	18170.	1013.	14310.	63.76	112.9	-4.993

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.1604	-.7465	96.46	377.4	59.62	5.641
Stddev	.5612	1.647	.69	3.5	.48	.380
%RSD	350.0	220.6	.7119	.9394	.8030	6.744

#1	.7868	1.153	96.18	377.3	59.29	5.717
#2	-.0093	-1.775	97.24	381.0	60.17	5.977
#3	-.2965	-1.618	95.96	373.9	59.41	5.228

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31636-a-6-d@4 Acquired: 9/28/2011 23:58:31 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	15.26	606.6	751.4
Stddev	.76	4.0	6.2
%RSD	4.998	.6580	.8265

#1	14.77	602.1	747.6
#2	16.14	609.7	758.6
#3	14.87	607.9	748.0

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	2552.2	36260.	5654.5
Stddev	7.4	232.	45.6
%RSD	.28834	.64056	.80589

#1	2560.6	36527.	5700.3
#2	2546.8	36102.	5653.9
#3	2549.3	36151.	5609.2

Sample Name: 460-31428-a-11-f@4 Acquired: 9/29/2011 0:02:12 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	59750.	18.15	-1.401	361.8	2.731	8281.
Stddev	97.	1.57	.756	1.6	.104	21.
%RSD	.1624	8.641	53.95	.4295	3.812	.2497

#1	59760.	16.37	-1.234	361.4	2.810	8273.
#2	59650.	18.74	-.7418	363.6	2.613	8265.
#3	59850.	19.34	-2.225	360.5	2.770	8304.

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	.1667	24.00	76.89	44.77	65250.	4461.
Stddev	.1593	.25	.40	2.14	241.	41.
%RSD	95.51	1.047	.5226	4.787	.3698	.9152

#1	.2775	23.90	77.29	46.76	65320.	4491.
#2	.2385	24.29	76.88	42.50	64980.	4477.
#3	-.0158	23.82	76.49	45.06	65450.	4415.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31428-a-11-f@4 Acquired: 9/29/2011 0:02:12 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	9160.	1215.	176.5	48.26	89.17	-1.980
Stddev	43.	4.	16.0	.33	1.50	.905
%RSD	.4731	.3611	9.037	.6875	1.681	45.73

#1	9168.	1216.	163.6	48.18	87.77	-2.835
#2	9113.	1211.	171.5	48.62	90.75	-1.032
#3	9198.	1220.	194.3	47.97	88.99	-2.072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.5589	.1052	127.1	187.4	6.566	1.110
Stddev	3.121	1.039	.5	.9	.650	.136
%RSD	558.4	988.0	.3944	.4736	9.895	12.23

#1	1.214	-.7580	126.9	187.5	7.166	1.135
#2	3.301	-.1852	126.7	188.2	5.876	1.231
#3	-2.838	1.259	127.7	186.5	6.657	.9628

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31428-a-11-f@4 Acquired: 9/29/2011 0:02:12 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	5.336	30.89	971.3
Stddev	.317	.16	4.7
%RSD	5.935	.5070	.4815

#1	5.634	30.91	969.9
#2	5.371	30.72	967.5
#3	5.004	31.03	976.5

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	2746.9	39062.	5936.3
Stddev	16.9	192.	31.8
%RSD	.61624	.49228	.53485

#1	2764.9	39200.	5915.6
#2	2744.4	39143.	5972.8
#3	2731.4	38843.	5920.4

Sample Name: 460-31428-a-12-f@4 Acquired: 9/29/2011 0:05:53 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	54680.	16.25	-1.374	317.7	2.392	4659.
Stddev	100.	.18	.648	1.5	.128	12.
%RSD	.1827	1.094	47.14	.4808	5.365	.2675

#1	54690.	16.23	-.7298	317.1	2.309	4649.
#2	54580.	16.08	-1.368	319.4	2.540	4673.
#3	54780.	16.44	-2.025	316.6	2.327	4654.

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	.1173	21.67	70.79	38.31	61740.	3961.
Stddev	.0697	.23	.68	8.34	568.	62.
%RSD	59.40	1.061	.9552	21.76	.9206	1.557

#1	.0855	21.54	70.63	32.48	61800.	3931.
#2	.1972	21.93	70.21	34.59	61150.	4032.
#3	.0693	21.53	71.53	47.86	62290.	3920.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31428-a-12-f@4 Acquired: 9/29/2011 0:05:53 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	7473.	1092.	90.70	43.99	82.59	-3.376
Stddev	68.	8.	3.17	.60	1.18	.570
%RSD	.9034	.7219	3.498	1.372	1.430	16.88

#1	7467.	1090.	91.40	43.31	81.87	-4.027
#2	7409.	1085.	93.47	44.47	81.94	-3.136
#3	7544.	1100.	87.24	44.20	83.95	-2.966

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.7400	-2.092	113.3	159.5	5.837	1.132
Stddev	2.145	1.247	.6	.8	.374	.224
%RSD	289.9	59.62	.5338	.4852	6.411	19.73

#1	-1.734	-2.870	113.0	159.4	6.256	1.046
#2	2.086	-.6535	112.8	160.4	5.716	.9653
#3	1.868	-2.753	114.0	158.8	5.538	1.386

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31428-a-12-f@4 Acquired: 9/29/2011 0:05:53 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	4.159	22.19	948.2
Stddev	.851	.13	1.8
%RSD	20.46	.5820	.1928

#1	3.224	22.25	949.9
#2	4.367	22.28	946.3
#3	4.887	22.04	948.3

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	2727.7	38827.	5897.0
Stddev	11.6	303.	17.7
%RSD	.42564	.77930	.30048

#1	2741.1	38891.	5913.3
#2	2721.4	39092.	5899.5
#3	2720.7	38497.	5878.1

Sample Name: 460-31416-k-9-b du Acquired: 9/29/2011 0:09:35 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	478.4	.9334	-.1116	85.35	.0222	77020.
Stddev	4.8	1.106	.5976	1.12	.0366	684.
%RSD	1.009	118.5	535.5	1.314	164.6	.8878

#1	482.0	-.2973	.4162	85.95	.0102	77480.
#2	480.3	1.844	.0095	86.05	-.0068	77360.
#3	472.9	1.254	-.7605	84.06	.0634	76240.

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	2.261	.3917	1.641	.2793	805.9	11440.
Stddev	.026	.1111	.436	2.300	17.1	113.
%RSD	1.148	28.38	26.54	823.5	2.125	.9855

#1	2.270	.4072	1.624	2.868	792.8	11540.
#2	2.281	.2736	2.085	-.4998	825.3	11470.
#3	2.232	.4942	1.215	-1.530	799.7	11320.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-9-b du Acquired: 9/29/2011 0:09:35 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	35490.	1314.	173800.	4.144	2.560	-.6954
Stddev	209.	6.	1731.	.264	.093	1.493
%RSD	.5885	.4567	.9963	6.367	3.623	214.7

#1	35450.	1314.	174700.	4.432	2.656	-.6802
#2	35720.	1321.	174900.	4.085	2.470	-2.196
#3	35310.	1309.	171800.	3.914	2.555	.7900

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	6.123	1.065	1.450	25.15	97.92	.0375
Stddev	.517	1.322	.553	.25	.59	.4454
%RSD	8.450	124.1	38.16	.9791	.6067	1187.

#1	6.457	.0714	.9450	25.38	98.05	-.2132
#2	5.527	.5586	1.363	25.18	98.44	.5518
#3	6.384	2.565	2.041	24.89	97.28	-.2260

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-9-b du Acquired: 9/29/2011 0:09:35 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	.0032	207.9	24.15
Stddev	.4405	2.2	.92
%RSD	13900.	1.060	3.818

#1	-2167	209.0	25.20
#2	.5103	209.3	23.49
#3	-.2841	205.3	23.76

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	2403.1	33817.	5341.3
Stddev	.9	188.	22.6
%RSD	.03789	.55584	.42364

#1	2402.4	34033.	5343.6
#2	2404.2	33719.	5317.6
#3	2402.8	33698.	5362.7

Sample Name: 460-31416-k-9-a Acquired: 9/29/2011 0:13:23 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	482.5	1.293	-.8351	85.39	-.0098	77970.
Stddev	11.1	1.171	.3207	.99	.0197	481.
%RSD	2.301	90.53	38.40	1.158	200.1	.6167

#1	470.3	1.512	-1.023	85.17	.0124	77690.
#2	485.2	2.339	-.4648	86.46	-.0251	77700.
#3	492.1	.0286	-1.017	84.52	-.0169	78530.

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	2.220	.3024	1.247	3.898	825.0	11350.
Stddev	.144	.2094	.220	2.721	5.5	111.
%RSD	6.504	69.24	17.61	69.79	.6658	.9790

#1	2.067	.4698	1.057	2.361	818.7	11270.
#2	2.240	.3698	1.488	2.294	828.5	11310.
#3	2.353	.0676	1.197	7.039	827.9	11480.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-9-a Acquired: 9/29/2011 0:13:23 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	35610.	1321.	174300.	4.243	2.357	-1.531
Stddev	150.	7.	1170.	.246	.708	1.925
%RSD	.4218	.5495	.6713	5.795	30.05	125.7

#1	35490.	1315.	174200.	4.092	1.923	-2.306
#2	35560.	1321.	173200.	4.110	3.175	.6606
#3	35780.	1329.	175600.	4.527	1.974	-2.948

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	4.064	2.228	.8175	25.10	98.60	-.3007
Stddev	.036	1.619	.2962	.41	1.26	.1098
%RSD	.8792	72.68	36.23	1.623	1.277	36.52

#1	4.029	2.275	.6978	24.65	98.61	-.1925
#2	4.100	.5860	.5999	25.44	99.86	-.4120
#3	4.063	3.824	1.155	25.23	97.34	-.2974

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-9-a Acquired: 9/29/2011 0:13:23 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	.2489	210.3	25.48
Stddev	.3148	.9	3.04
%RSD	126.5	.4421	11.94

#1	.0299	209.6	28.81
#2	.6097	210.0	22.85
#3	.1071	211.4	24.78

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	2387.9	33538.	5273.9
Stddev	18.1	307.	37.3
%RSD	.75635	.91628	.70775

#1	2408.8	33780.	5307.6
#2	2377.5	33641.	5280.2
#3	2377.5	33192.	5233.8

Sample Name: sd 460-31416-k-9-a@5 Acquired: 9/29/2011 0:17:11 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	112.6	-6145	-3540	16.89	-0467	15630.
Stddev	2.4	1.987	.2459	.26	.0800	37.
%RSD	2.097	323.4	69.47	1.553	171.5	.2385

#1	110.6	-2.790	-.2459	16.96	.0248	15670.
#2	115.2	1.106	-.1806	17.12	-.0317	15600.
#3	112.0	-.1597	-.6354	16.61	-.1331	15630.

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	.4571	.1244	.0043	2.057	161.9	2319.
Stddev	.1355	.2760	.4294	4.759	5.6	27.
%RSD	29.63	221.9	9943.	231.3	3.478	1.162

#1	.5549	.3198	-.2171	-1.927	155.5	2304.
#2	.3025	.2446	.4992	.7714	164.2	2303.
#3	.5139	-.1913	-.2692	7.328	166.1	2350.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-31416-k-9-a@5 Acquired: 9/29/2011 0:17:11 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	7084.	262.0	35000.	1.171	.6854	.4577
Stddev	87.	3.5	69.	.155	.3980	1.956
%RSD	1.227	1.351	.1984	13.23	58.08	427.4

#1	7148.	265.1	34970.	1.188	.9572	1.022
#2	7120.	262.7	35080.	1.008	.2285	-1.719
#3	6985.	258.1	34950.	1.316	.8704	2.070

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	2.272	3.390	.1243	5.054	19.25	-.1147
Stddev	.861	.457	.0508	.197	.72	.1001
%RSD	37.90	13.48	40.84	3.905	3.747	87.30

#1	1.922	3.562	.1542	5.092	19.60	-.0236
#2	3.253	2.872	.0657	5.230	18.42	-.0986
#3	1.641	3.736	.1531	4.841	19.73	-.2218

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-31416-k-9-a@5 Acquired: 9/29/2011 0:17:11 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	-.1013	41.67	4.060
Stddev	.6717	.07	.857
%RSD	663.0	.1746	21.10

#1	-.8120	41.75	4.272
#2	-.0150	41.60	4.790
#3	.5230	41.67	3.117

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	2488.2	35113.	5331.4
Stddev	10.8	318.	11.5
%RSD	.43298	.90476	.21535

#1	2491.0	34877.	5330.4
#2	2476.3	34987.	5343.3
#3	2497.3	35474.	5320.4

Sample Name: 460-31416-k-9-c ms Acquired: 9/29/2011 0:21:01 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	2610.	2018.	47.74	2134.	51.54	96770.
Stddev	21.	8.	.41	9.	.10	537.
%RSD	.8059	.3996	.8584	.4296	.2008	.5548

#1	2633.	2009.	48.21	2124.	51.62	97150.
#2	2591.	2023.	47.51	2141.	51.42	96150.
#3	2607.	2023.	47.50	2138.	51.57	97000.

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	52.68	500.4	205.8	260.5	1808.	31420.
Stddev	.15	2.0	2.0	6.5	2.	158.
%RSD	.2832	.4036	.9758	2.477	.1187	.5037

#1	52.51	498.6	206.3	256.6	1811.	31450.
#2	52.78	502.6	203.6	257.0	1807.	31250.
#3	52.75	500.0	207.6	268.0	1807.	31570.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-9-c ms Acquired: 9/29/2011 0:21:01 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	54770.	1816.	191200.	509.2	507.5	507.7
Stddev	372.	14.	1398.	1.9	2.4	2.5
%RSD	.6786	.7542	.7311	.3824	.4750	.4933
#1	54710.	1811.	192500.	507.0	504.8	504.8
#2	54440.	1806.	189800.	510.5	509.5	509.0
#3	55170.	1832.	191400.	510.2	508.1	509.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1925.	1963.	505.6	526.8	612.9	511.9
Stddev	12.	6.	3.1	.9	3.9	1.7
%RSD	.6475	.3239	.6143	.1747	.6294	.3273
#1	1911.	1957.	505.6	525.9	608.5	511.0
#2	1932.	1969.	502.5	527.7	615.0	513.8
#3	1932.	1963.	508.7	526.8	615.3	510.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-9-c ms Acquired: 9/29/2011 0:21:01 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	506.6	703.3	552.3
Stddev	1.4	4.1	2.4
%RSD	.2734	.5758	.4333

#1	505.4	705.8	554.3
#2	508.1	698.7	553.0
#3	506.2	705.6	549.7

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	2366.9	33357.	5278.9
Stddev	17.9	264.	33.8
%RSD	.75584	.79225	.63935

#1	2385.7	33486.	5265.9
#2	2364.9	33532.	5317.2
#3	2350.1	33053.	5253.6

Sample Name: pds 460-31416-k-9-a Acquired: 9/29/2011 0:24:32 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	2588.	2009.	48.02	2122.	53.07	97350.
Stddev	14.	12.	.81	16.	.29	759.
%RSD	.5530	.6161	1.686	.7580	.5410	.7792

#1	2572.	2006.	47.49	2125.	52.92	97340.
#2	2598.	2022.	48.95	2137.	52.89	96590.
#3	2595.	1998.	47.61	2105.	53.40	98110.

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	53.55	508.9	209.5	267.1	1838.	31980.
Stddev	.45	3.9	.7	4.0	12.	311.
%RSD	.8454	.7638	.3556	1.501	.6670	.9722

#1	53.70	509.8	209.0	269.6	1827.	31970.
#2	53.91	512.3	210.3	262.5	1851.	31680.
#3	53.04	504.7	209.1	269.2	1835.	32300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-31416-k-9-a Acquired: 9/29/2011 0:24:32 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	55110.	1825.	191400.	518.5	514.4	504.9
Stddev	179.	4.	690.	4.8	2.7	3.7
%RSD	.3253	.2318	.3603	.9210	.5291	.7290

#1	54910.	1820.	191800.	519.8	514.0	505.1
#2	55250.	1826.	190600.	522.4	517.2	508.5
#3	55160.	1828.	191900.	513.2	511.8	501.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1958.	2040.	516.4	535.0	653.9	511.6
Stddev	14.	8.	1.5	4.3	3.6	4.6
%RSD	.7100	.4126	.2921	.7947	.5569	.9051

#1	1962.	2045.	515.2	536.2	655.8	512.1
#2	1970.	2045.	518.1	538.6	656.2	515.9
#3	1943.	2030.	515.9	530.3	649.7	506.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-31416-k-9-a Acquired: 9/29/2011 0:24:32 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	501.9	715.6	552.2
Stddev	4.5	5.9	6.1
%RSD	.8886	.8311	1.111

#1	504.1	715.7	549.1
#2	504.9	709.5	548.2
#3	496.8	721.4	559.2

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	2376.0	33279.	5246.5
Stddev	6.9	168.	37.4
%RSD	.28842	.50503	.71325

#1	2381.0	33456.	5240.2
#2	2368.2	33261.	5286.6
#3	2378.8	33121.	5212.6

Sample Name: CCV Acquired: 9/29/2011 0:28:05 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	131700.	2504.	1265.	10210.	1052.	132800.
Stddev	384.	28.	3.	77.	.	265.
%RSD	.2917	1.138	.2564	.7556	.0379	.1998

#1	131600.	2517.	1268.	10230.	1052.	133000.
#2	131300.	2524.	1261.	10280.	1052.	132800.
#3	132100.	2471.	1264.	10120.	1051.	132500.

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	1275.	2517.	5130.	13140.	101700.	52520.
Stddev	10.	19.	15.	23.	287.	123.
%RSD	.7629	.7376	.2836	.1725	.2825	.2344

#1	1276.	2521.	5147.	13140.	102000.	52660.
#2	1284.	2534.	5126.	13120.	101400.	52430.
#3	1265.	2497.	5119.	13160.	101700.	52470.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/29/2011 0:28:05 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	128500.	5257.	130200.	2548.	7610.	1014.
Stddev	348.	22.	167.	18.	53.	11.
%RSD	.2709	.4215	.1280	.7030	.7023	1.050

#1	128900.	5278.	130200.	2549.	7618.	1016.
#2	128400.	5259.	130000.	2566.	7660.	1023.
#3	128200.	5234.	130300.	2530.	7553.	1002.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	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	2464.	2521.	2536.	2511.	1011.	2541.
Stddev	12.	19.	6.	17.	5.	24.
%RSD	.5070	.7484	.2282	.6634	.5098	.9619

#1	2464.	2532.	2543.	2513.	1013.	2550.
#2	2476.	2533.	2532.	2527.	1014.	2560.
#3	2451.	2499.	2534.	2494.	1005.	2514.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/29/2011 0:28:05 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	1002.	5293.	10410.
Stddev	10.	6.	25.
%RSD	.9753	.1093	.2398

#1	1006.	5299.	10410.
#2	1009.	5287.	10380.
#3	990.4	5292.	10430.

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	2316.3	32481.	5175.4
Stddev	7.7	36.	40.6
%RSD	.33219	.11131	.78507

#1	2313.0	32446.	5128.5
#2	2310.9	32481.	5198.7
#3	2325.1	32518.	5199.0

Sample Name: CCB Acquired: 9/29/2011 0:31:33 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	16.47	-.3155	-.7290	.1831	-.0416	-44.08
Stddev	6.47	1.392	.8837	.1568	.0302	3.02
%RSD	39.31	441.3	121.2	85.66	72.57	6.849
#1	19.83	1.222	-.5232	.1618	-.0682	-45.61
#2	9.006	-1.490	.0337	.3495	-.0088	-40.60
#3	20.58	-.6787	-1.697	.0380	-.0477	-46.03

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	.0458	.0727	.0299	.4343	2.313	95.62
Stddev	.0623	.1552	.6125	1.519	10.05	28.93
%RSD	136.1	213.5	2050.	349.7	434.6	30.25
#1	-.0260	.2520	.2009	-1.259	13.71	119.6
#2	.0775	-.0144	.5387	1.676	-1.469	103.8
#3	.0857	-.0193	-.6499	.8850	-5.302	63.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/29/2011 0:31:33 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	1.006	.8250	-20.61	.6881	.1229	1.522
Stddev	3.642	.1712	27.22	.5437	.6365	2.167
%RSD	361.9	20.76	132.0	79.03	517.9	142.4
#1	4.678	.9971	-.4060	.1070	.0353	1.429
#2	.9474	.8233	-51.57	.7725	-.4653	-.5975
#3	-2.606	.6546	-9.872	1.185	.7987	3.733

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	2.772	.6706	-.5420	.1392	2.657	4.193
Stddev	2.254	1.143	.1809	.0969	.682	.533
%RSD	81.30	170.4	33.38	69.59	25.67	12.72
#1	1.075	-.0990	-.5026	.0921	3.428	4.516
#2	5.329	1.984	-.3841	.2506	2.134	4.487
#3	1.912	.1268	-.7395	.0749	2.408	3.578

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/29/2011 0:31:33 Type: QC
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	.4435	.2598	2.475
Stddev	.5876	.1779	1.252
%RSD	132.5	68.49	50.59

#1	.1670	.4652	2.813
#2	.0452	.1583	3.522
#3	1.118	.1558	1.088

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	35907.	5261.6
Stddev	4.5	87.	5.0
%RSD	.18036	.24187	.09451

#1	2501.1	35813.	5258.4
#2	2508.4	35983.	5267.3
#3	2509.4	35926.	5259.0

Sample Name: mb 460-87568/1-a Acquired: 9/29/2011 0:35:28 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	48.10	-.2929	-.9963	.0186	.0029	22.37
Stddev	20.52	1.609	.7816	.1329	.1246	27.70
%RSD	42.67	549.5	78.45	716.0	4238.	123.8
#1	26.28	1.299	-.7121	.0474	-.1117	5.398
#2	67.01	-1.919	-1.880	-.1264	.1356	7.370
#3	51.00	-.2592	-.3966	.1347	-.0151	54.33
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	.0198	.1886	.1419	-.3363	9.135	49.53
Stddev	.1153	.1548	.3752	1.583	8.594	64.60
%RSD	581.3	82.11	264.5	470.9	94.08	130.4
#1	.1514	.0521	.3895	-2.155	10.40	97.48
#2	-.0635	.1569	.3259	.7367	17.03	-23.94
#3	-.0283	.3568	-.2898	.4094	-.0218	75.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-87568/1-a Acquired: 9/29/2011 0:35:28 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	3.172	.6762	-14.75	.9725	-.3783	.6183
Stddev	.256	.0706	18.01	.1872	.6928	1.823
%RSD	8.056	10.44	122.1	19.25	183.1	294.8

#1	2.895	.5960	4.323	.8275	.1685	1.253
#2	3.223	.7290	-17.12	.9062	-.1460	2.039
#3	3.398	.7036	-31.46	1.184	-1.157	-1.437

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.865	1.424	-.1134	.0310	4.879	.4829
Stddev	2.623	.493	.4362	.1516	.393	.2257
%RSD	140.6	34.62	384.6	489.2	8.059	46.74

#1	1.579	1.084	.2040	-.1430	4.909	.6553
#2	-.6036	1.199	.0665	.1015	5.257	.5659
#3	4.619	1.990	-.6107	.1345	4.472	.2274

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-87568/1-a Acquired: 9/29/2011 0:35:28 Type: QC
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	.3142	.3854	-1.137
Stddev	.3192	.0083	.609
%RSD	101.6	2.156	53.58

#1	-.0299	.3889	-1.827
#2	.3720	.3915	-.9100
#3	.6006	.3759	-.6741

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	2552.6	36572.	5337.2
Stddev	6.5	122.	33.8
%RSD	.25510	.33479	.63257

#1	2545.1	36704.	5349.0
#2	2556.4	36461.	5299.1
#3	2556.3	36551.	5363.4

Sample Name: lcs 460-87568/2-a Acquired: 9/29/2011 0:39:20 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	2110.	1927.	48.13	2051.	51.54	21250.
Stddev	8.	18.	.70	16.	.54	212.
%RSD	.3768	.9364	1.463	.7873	1.039	.9977

#1	2109.	1947.	47.32	2070.	52.13	21490.
#2	2104.	1913.	48.61	2042.	51.42	21180.
#3	2119.	1920.	48.44	2042.	51.08	21090.

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	50.43	504.1	201.3	260.8	1018.	20290.
Stddev	.44	3.7	1.6	5.7	1.	135.
%RSD	.8737	.7270	.7932	2.178	.1187	.6665

#1	50.94	508.3	202.2	267.2	1018.	20440.
#2	50.18	501.7	202.3	258.4	1020.	20220.
#3	50.17	502.3	199.5	256.7	1018.	20200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-87568/2-a Acquired: 9/29/2011 0:39:20 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	19700.	525.9	20250.	512.1	515.8	490.2
Stddev	109.	3.4	153.	4.3	4.2	5.4
%RSD	.5516	.6462	.7545	.8492	.8235	1.106

#1	19700.	525.5	20410.	517.1	520.6	496.3
#2	19820.	529.5	20230.	508.9	513.7	488.2
#3	19600.	522.7	20100.	510.4	512.9	486.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	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	1861.	2054.	490.0	496.3	512.7	504.6
Stddev	12.	16.	3.3	3.3	2.6	5.3
%RSD	.6618	.7973	.6779	.6611	.5097	1.059

#1	1875.	2073.	489.7	500.1	515.5	510.7
#2	1855.	2046.	493.4	494.7	510.3	502.1
#3	1853.	2044.	486.8	494.2	512.2	500.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-87568/2-a Acquired: 9/29/2011 0:39:20 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	502.2	503.0	522.6
Stddev	4.9	2.7	7.1
%RSD	.9715	.5284	1.356

#1	507.8	506.1	530.0
#2	500.0	502.1	522.0
#3	498.9	501.0	515.8

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	2485.0	35228.	5290.7
Stddev	10.6	187.	45.4
%RSD	.42494	.52991	.85804

#1	2475.1	35305.	5241.3
#2	2496.1	35016.	5299.9
#3	2483.8	35365.	5330.7

Sample Name: 460-31671-d-4-a@2 Acquired: 9/29/2011 0:42:51 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	278200.	112.4	-4.188	1660.	14.65	52870.
Stddev	2500.	2.7	.126	6.	.12	399.
%RSD	.8987	2.428	2.996	.3592	.8378	.7543

#1	280700.	112.4	-4.213	1661.	14.72	53290.
#2	278200.	115.1	-4.052	1665.	14.71	52810.
#3	275700.	109.7	-4.299	1653.	14.51	52500.

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	.0677	487.4	687.7	437.3	F 397300.	12540.
Stddev	.1804	3.3	4.0	4.1	2618.	66.
%RSD	266.4	.6783	.5866	.9373	.6590	.5271

#1	.2743	490.3	687.7	440.2	398100.	12620.
#2	-.0587	488.0	691.7	439.1	399300.	12530.
#3	-.0124	483.8	683.6	432.6	394300.	12490.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-31671-d-4-a@2 Acquired: 9/29/2011 0:42:51 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	32950.	3519.	3842.	228.8	1020.	-10.78
Stddev	165.	31.	20.	1.4	7.	1.11
%RSD	.5018	.8898	.5094	.5984	.7188	10.30

#1	32920.	3506.	3851.	229.8	1027.	-11.34
#2	33130.	3555.	3855.	229.3	1021.	-11.49
#3	32800.	3496.	3819.	227.2	1013.	-9.496

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-0.0990	2.599	464.8	1364.	72.34	18.51
Stddev	1.095	.622	1.0	8.	.40	.22
%RSD	1106.	23.94	.2177	.5921	.5493	1.188

#1	.2921	1.889	464.2	1371.	72.60	18.35
#2	-1.336	3.048	466.0	1366.	72.54	18.76
#3	.7468	2.861	464.3	1355.	71.89	18.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31671-d-4-a@2 Acquired: 9/29/2011 0:42:51 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	26.32	207.7	554.1
Stddev	.33	1.7	7.1
%RSD	1.245	.8018	1.284

#1	26.38	209.5	562.1
#2	26.61	207.4	551.5
#3	25.96	206.3	548.6

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	4109.1	56880.	9004.7
Stddev	28.0	208.	54.9
%RSD	.68252	.36596	.60926

#1	4129.3	57121.	8946.2
#2	4121.0	56761.	9055.0
#3	4077.1	56759.	9012.9

Sample Name: 460-31671-d-13-a@2 Acquired: 9/29/2011 0:46:44 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV 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	233100.	152.6	-4.711	838.8	12.56	42850.
Stddev	493.	.1	.210	2.1	.04	46.
%RSD	.2112	.0742	4.469	.2447	.2938	.1067

#1	233500.	152.7	-4.892	839.3	12.55	42840.
#2	233400.	152.6	-4.761	840.6	12.60	42900.
#3	232600.	152.4	-4.480	836.5	12.53	42820.

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	.7668	834.1	767.3	353.0	F 384500.	12340.
Stddev	.1298	1.6	2.3	2.7	3595.	62.
%RSD	16.92	.1899	.3023	.7789	.9350	.5008

#1	.6653	835.5	769.0	351.1	388200.	12320.
#2	.7221	834.4	768.2	351.7	384300.	12410.
#3	.9130	832.4	764.6	356.1	381000.	12290.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-31671-d-13-a@2 Acquired: 9/29/2011 0:46:44 Type: Unk

Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000

User: DAVEV Custom ID1: Custom ID2: Custom ID3:

Comment:

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	36340.	2196.	5504.	226.4	716.1	-12.01
Stddev	82.	7.	16.	.2	1.2	1.47
%RSD	.2251	.2996	.2850	.0726	.1662	12.21

#1	36370.	2198.	5518.	226.2	716.5	-10.42
#2	36400.	2202.	5505.	226.6	714.8	-12.30
#3	36240.	2189.	5487.	226.4	717.1	-13.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-4098	2.268	460.7	931.5	46.10	17.41
Stddev	1.968	1.488	.9	.9	.61	.25
%RSD	480.1	65.60	.2040	.1004	1.330	1.422

#1	1.862	3.500	461.5	932.3	46.44	17.50
#2	-1.558	.6153	460.9	931.7	46.46	17.59
#3	-1.534	2.689	459.7	930.5	45.39	17.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31671-d-13-a@2 Acquired: 9/29/2011 0:46:44 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	18.39	219.9	1020.
Stddev	.33	.4	1.
%RSD	1.812	.2026	.1440

#1	18.12	219.4	1022.
#2	18.76	220.3	1021.
#3	18.29	220.0	1019.

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	4796.7	66418.	10481.
Stddev	15.9	170.	32.
%RSD	.33104	.25534	.30874

#1	4811.2	66227.	10488.
#2	4799.2	66550.	10446.
#3	4779.7	66477.	10510.

Sample Name: 460-31412-j-9-b Acquired: 9/29/2011 0:50:26 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	42.37	.8034	.0633	.0417	.0235	-18.50
Stddev	14.60	.9166	1.008	.0538	.0859	15.59
%RSD	34.46	114.1	1593.	129.3	366.0	84.27

#1	53.44	.1996	-1.020	.0102	-.0687	-19.42
#2	25.82	1.858	.2352	.1038	.1014	-33.61
#3	47.85	.3525	.9742	.0110	.0377	-2.471

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	.0096	-.2165	.0558	3.177	26.36	80.25
Stddev	.0684	.1518	.2030	1.427	18.37	46.02
%RSD	712.1	70.12	363.7	44.91	69.70	57.34

#1	-.0427	-.3340	.1279	3.614	39.62	124.6
#2	.0870	-.0451	.2129	1.583	34.06	32.72
#3	-.0154	-.2705	-.1734	4.335	5.387	83.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31412-j-9-b Acquired: 9/29/2011 0:50:26 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	1.840	.7654	-61.65	1.116	-.0756	-.3077
Stddev	1.705	.0724	2.99	.385	.4569	1.373
%RSD	92.66	9.456	4.847	34.54	604.1	446.3

#1	3.809	.8455	-58.43	1.324	.2513	-1.223
#2	.8261	.7457	-64.33	1.352	-.5977	-.9712
#3	.8859	.7049	-62.18	.6709	.1196	1.271

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-.4299	1.170	-.2622	.0261	74.65	.3122
Stddev	3.426	.877	.3985	.0158	.37	.1858
%RSD	796.8	74.91	152.0	60.68	.4892	59.52

#1	3.501	1.267	-.7215	.0442	75.02	.4301
#2	-2.016	.2493	-.0073	.0152	74.29	.4086
#3	-2.775	1.995	-.0578	.0188	74.62	.0980

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31412-j-9-b Acquired: 9/29/2011 0:50:26 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	.2663	.1179	.8636
Stddev	.4672	.0916	.8824
%RSD	175.4	77.72	102.2

#1	.4805	.2237	1.257
#2	.5880	.0657	-.1471
#3	-.2695	.0643	1.481

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	2562.9	36787.	5317.9
Stddev	3.3	135.	5.1
%RSD	.12987	.36622	.09607

#1	2561.0	36645.	5321.5
#2	2566.7	36802.	5320.2
#3	2560.9	36913.	5312.1

Sample Name: 460-31416-k-1-a Acquired: 9/29/2011 0:54:18 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	48.90	2.972	-.8161	46.07	.0348	61870.
Stddev	10.01	1.532	.4523	.31	.0869	35.
%RSD	20.47	51.55	55.42	.6686	249.4	.0570

#1	53.66	4.741	-.9937	46.32	.1286	61910.
#2	55.65	2.030	-.3020	46.17	-.0430	61850.
#3	37.40	2.147	-1.153	45.72	.0190	61850.

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	.0352	-.4083	.1389	-.1924	747.1	6379.
Stddev	.0443	.0772	.6280	.5986	10.1	27.
%RSD	125.9	18.91	452.3	311.1	1.345	.4266

#1	-.0141	-.3844	-.5736	-.8754	739.3	6353.
#2	.0480	-.3458	.3780	.0571	758.4	6407.
#3	.0717	-.4946	.6122	.2410	743.5	6378.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-1-a Acquired: 9/29/2011 0:54:18 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	27950.	41.26	101800.	1.028	-.6066	-.9521
Stddev	115.	.26	85.	.323	.3137	.5470
%RSD	.4097	.6285	.0832	31.40	51.71	57.45

#1	27980.	41.22	101700.	1.331	-.3304	-.3405
#2	28040.	41.54	101800.	1.066	-.9477	-1.395
#3	27820.	41.03	101800.	.6883	-.5418	-1.121

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.112	-2.488	-.1431	96.81	63.74	.0413
Stddev	2.303	1.929	.6538	.39	.42	.1119
%RSD	207.0	77.51	456.9	.4011	.6546	271.1

#1	-.9863	-1.573	.4701	97.25	64.20	.0542
#2	.7478	-4.704	-.8311	96.66	63.39	-.0765
#3	3.576	-1.187	-.0682	96.53	63.63	.1461

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-1-a Acquired: 9/29/2011 0:54:18 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	-.1837	115.1	8.875
Stddev	.2281	.4	3.227
%RSD	124.1	.3610	36.36

#1	.0016	115.6	11.42
#2	-.4385	114.9	9.958
#3	-.1144	114.9	5.245

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	2424.5	34090.	5214.2
Stddev	5.0	113.	9.6
%RSD	.20531	.33010	.18382

#1	2420.9	34205.	5215.4
#2	2430.1	33980.	5204.1
#3	2422.4	34085.	5223.2

Sample Name: 460-31416-k-2-b Acquired: 9/29/2011 0:58:06 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	636.0	4.180	-.4606	150.9	.1214	103900.
Stddev	19.4	.876	.4777	1.4	.0327	246.
%RSD	3.055	20.96	103.7	.9416	26.94	.2365

#1	632.6	3.916	-.0993	151.3	.1048	104100.
#2	618.6	5.158	-.2802	152.1	.1591	103600.
#3	657.0	3.467	-1.002	149.3	.1003	104000.

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	.8763	25.15	1.050	3.869	31930.	14980.
Stddev	.0720	.13	.157	2.149	141.	56.
%RSD	8.217	.5123	14.94	55.53	.4400	.3705

#1	.9489	25.22	1.161	6.183	31960.	15010.
#2	.8749	25.22	.8707	1.937	32050.	14920.
#3	.8049	25.00	1.119	3.488	31770.	15020.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-2-b Acquired: 9/29/2011 0:58:06 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	73320.	2836.	36250.	7.610	1.444	-1.344
Stddev	262.	11.	41.	.111	.509	1.558
%RSD	.3568	.3990	.1144	1.454	35.27	115.9

#1	73510.	2847.	36260.	7.686	.9948	-2.823
#2	73430.	2837.	36200.	7.483	1.340	-1.491
#3	73020.	2824.	36280.	7.661	1.997	.2821

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-.1988	-1.400	.6770	10.23	107.6	-.2350
Stddev	1.195	1.653	.0814	.14	1.2	.1440
%RSD	600.9	118.0	12.02	1.369	1.118	61.28

#1	-1.091	-1.467	.6710	10.29	108.8	-.0997
#2	-.6642	.2847	.5988	10.07	107.5	-.3864
#3	1.158	-3.019	.7613	10.33	106.4	-.2189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-2-b Acquired: 9/29/2011 0:58:06 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	-.0483	223.2	33.89
Stddev	1.232	.8	1.29
%RSD	2552.	.3454	3.810

#1	-1.355	223.7	35.06
#2	1.092	222.3	32.50
#3	.1187	223.5	34.10

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	2417.7	33907.	5188.4
Stddev	2.2	64.	7.9
%RSD	.09009	.18755	.15162

#1	2417.5	33839.	5184.2
#2	2415.6	33919.	5183.6
#3	2420.0	33964.	5197.5

Sample Name: 460-31416-k-3-b Acquired: 9/29/2011 1:01:55 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	397.9	2.463	-1.223	30.37	.1048	57440.
Stddev	5.6	.576	.285	.31	.0923	239.
%RSD	1.408	23.40	23.33	1.006	88.08	.4164
#1	392.2	2.502	-1.012	30.66	-.0002	57710.
#2	403.4	3.018	-1.547	30.40	.1732	57390.
#3	397.9	1.868	-1.108	30.05	.1414	57240.
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	.1194	.2772	1.254	6.780	803.7	4432.
Stddev	.0350	.0623	.242	1.981	5.5	115.
%RSD	29.34	22.46	19.34	29.21	.6851	2.596
#1	.1577	.3408	1.108	6.302	797.6	4299.
#2	.0890	.2164	1.120	5.082	805.2	4499.
#3	.1115	.2744	1.534	8.956	808.3	4497.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-3-b Acquired: 9/29/2011 1:01:55 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	22040.	99.99	67230.	2.074	1.760	-.5086
Stddev	144.	.49	351.	.341	1.583	2.758
%RSD	.6517	.4927	.5214	16.46	89.91	542.3
#1	22140.	99.96	67640.	2.465	3.411	-.6525
#2	21880.	99.51	67080.	1.838	.2554	2.319
#3	22110.	100.5	66990.	1.918	1.615	-3.192

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.367	1.095	1.897	25.59	91.63	.8848
Stddev	2.557	.419	.439	.23	1.33	.0481
%RSD	187.1	38.28	23.15	.8997	1.452	5.434
#1	2.470	1.455	1.410	25.85	92.88	.8294
#2	-1.557	1.196	2.019	25.41	91.77	.9157
#3	3.188	.6350	2.263	25.52	90.23	.9092

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-3-b Acquired: 9/29/2011 1:01:55 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	3.505	131.2	18.15
Stddev	.201	.2	1.74
%RSD	5.740	.1811	9.579

#1	3.706	131.4	19.88
#2	3.506	131.3	16.40
#3	3.304	130.9	18.18

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	2451.6	34709.	5254.0
Stddev	9.8	251.	2.0
%RSD	.40174	.72310	.03725

#1	2443.1	34690.	5255.4
#2	2462.4	34968.	5251.8
#3	2449.3	34468.	5254.9

Sample Name: 460-31416-k-4-a Acquired: 9/29/2011 1:05:44 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	45.82	-4.107	.0960	34.47	-.0750	37300.
Stddev	6.83	1.946	.0628	.19	.0875	312.
%RSD	14.91	473.9	65.41	.5488	116.8	.8352

#1	52.42	-4.770	.0257	34.55	-.1754	37620.
#2	46.25	1.568	.1159	34.60	-.0150	37000.
#3	38.78	-2.323	.1465	34.25	-.0344	37280.

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	.0786	-.2082	.5958	-2.875	10.19	2960.
Stddev	.0544	.2034	.1738	2.288	10.80	72.
%RSD	69.27	97.72	29.17	79.56	105.9	2.431

#1	.1357	.0012	.4479	-4.998	17.24	2979.
#2	.0273	-.2205	.7872	-3.176	-2.239	2880.
#3	.0728	-.4052	.5523	-.4522	15.57	3020.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-4-a Acquired: 9/29/2011 1:05:44 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	17110.	1.447	23350.	.8990	.0584	-.2827
Stddev	66.	.040	154.	.7014	1.017	2.136
%RSD	.3838	2.778	.6592	78.02	1743.	755.7
#1	17050.	1.490	23440.	1.700	-.6706	-.7147
#2	17180.	1.440	23170.	.6033	-.3746	2.037
#3	17110.	1.410	23430.	.3938	1.220	-2.170

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-1.641	.5315	.0281	.9693	51.03	.2257
Stddev	.536	1.546	.1438	.1051	.66	.2244
%RSD	32.63	290.9	511.1	10.84	1.288	99.43
#1	-2.259	.4056	.1744	1.029	51.44	.1965
#2	-1.302	2.136	.0229	1.031	51.38	.0173
#3	-1.364	-.9476	-.1130	.8479	50.27	.4632

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-4-a Acquired: 9/29/2011 1:05:44 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	.8628	51.49	3.802
Stddev	.7590	.36	.992
%RSD	87.98	.6961	26.09

#1	.3784	51.86	4.831
#2	.4724	51.15	3.724
#3	1.738	51.46	2.852

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	2487.7	35180.	5255.5
Stddev	3.3	187.	54.5
%RSD	.13339	.53264	1.0366

#1	2491.5	35296.	5200.0
#2	2485.2	34963.	5308.9
#3	2486.5	35280.	5257.5

Sample Name: 460-31416-k-5-a Acquired: 9/29/2011 1:09:34 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	100.9	-.1614	.2242	27.17	-.0595	49060.
Stddev	25.6	.5405	.3074	.30	.1222	322.
%RSD	25.33	334.9	137.1	1.096	205.3	.6568
#1	130.2	-.3606	.5416	27.40	.0283	49270.
#2	89.16	.4505	-.0721	27.28	-.0078	49220.
#3	83.28	-.5740	.2030	26.84	-.1991	48690.

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	.0218	-.1532	.5832	.5732	58.31	2787.
Stddev	.0968	.2925	.3956	1.338	15.48	43.
%RSD	443.5	191.0	67.83	233.5	26.55	1.550
#1	.0319	.0405	1.035	.4651	41.79	2794.
#2	.1132	-.0104	.4153	1.963	72.49	2826.
#3	-.0796	-.4896	.2992	-.7079	60.66	2740.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-5-a Acquired: 9/29/2011 1:09:34 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	25790.	3.539	19290.	1.356	1.381	.5107
Stddev	137.	.058	59.	.297	1.310	1.785
%RSD	.5297	1.624	.3069	21.94	94.88	349.6

#1	25860.	3.534	19310.	1.298	2.818	.4604
#2	25870.	3.599	19330.	1.092	1.072	-1.249
#3	25630.	3.485	19220.	1.678	.2525	2.321

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	-.1247	-.7919	-.0533	16.27	41.82	.1639
Stddev	1.346	1.011	.3117	.30	.47	.1204
%RSD	1079.	127.7	585.1	1.843	1.126	73.45

#1	.7815	.0791	.2542	16.59	41.67	.3008
#2	.5152	-1.900	-.0450	16.22	42.34	.0750
#3	-1.671	-.5542	-.3690	16.00	41.44	.1157

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-5-a Acquired: 9/29/2011 1:09:34 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	1.509	60.16	8.086
Stddev	.169	.33	1.597
%RSD	11.21	.5521	19.75

#1	1.688	60.42	7.409
#2	1.353	60.28	6.938
#3	1.486	59.79	9.910

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	2472.3	35037.	5233.0
Stddev	7.2	86.	13.3
%RSD	.29288	.24418	.25328

#1	2465.3	35017.	5221.8
#2	2471.8	34963.	5229.7
#3	2479.7	35130.	5247.6

Sample Name: CCV Acquired: 9/29/2011 1:13:28 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	134000.	2500.	1258.	10230.	1068.	134300.
Stddev	227.	14.	4.	78.	1.	323.
%RSD	.1696	.5647	.3488	.7600	.1359	.2407

#1	133900.	2498.	1255.	10180.	1069.	134300.
#2	133800.	2514.	1263.	10320.	1066.	134000.
#3	134200.	2486.	1257.	10190.	1068.	134700.

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	1275.	2518.	5092.	13340.	100800.	53080.
Stddev	9.	19.	27.	14.	431.	60.
%RSD	.7137	.7740	.5281	.1041	.4275	.1136

#1	1269.	2505.	5087.	13340.	100800.	53140.
#2	1285.	2540.	5121.	13330.	101200.	53020.
#3	1270.	2508.	5068.	13350.	100400.	53070.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/29/2011 1:13:28 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	127700.	5226.	132600.	2546.	7609.	1009.
Stddev	512.	25.	222.	20.	57.	10.
%RSD	.4010	.4855	.1677	.7878	.7497	1.026

#1	127600.	5216.	132400.	2535.	7572.	1010.
#2	128300.	5254.	132500.	2569.	7675.	1018.
#3	127300.	5206.	132800.	2535.	7581.	997.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	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.	2506.	2522.	2515.	1010.	2550.
Stddev	19.	19.	12.	19.	9.	24.
%RSD	.7654	.7750	.4813	.7585	.8488	.9232

#1	2444.	2495.	2519.	2501.	1002.	2538.
#2	2478.	2529.	2535.	2536.	1019.	2577.
#3	2447.	2496.	2511.	2506.	1009.	2535.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/29/2011 1:13:28 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	998.8	5354.	10570.
Stddev	5.5	9.	7.
%RSD	.5499	.1625	.0678

#1	996.2	5359.	10560.
#2	1005.	5344.	10570.
#3	995.2	5358.	10580.

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	2303.5	32534.	5067.7
Stddev	15.0	99.	9.3
%RSD	.65297	.30545	.18286

#1	2318.6	32649.	5070.2
#2	2288.5	32469.	5075.5
#3	2303.6	32484.	5057.5

Sample Name: CCB Acquired: 9/29/2011 1:16:56 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	12.73	-1.486	-.5397	.3148	.0719	-21.76
Stddev	17.00	1.039	.3552	.2194	.1049	16.12
%RSD	133.6	69.91	65.80	69.71	145.8	74.05

#1	11.32	-2.604	-.3977	.5458	.1899	-4.228
#2	30.39	-.5511	-.9439	.2895	.0366	-25.13
#3	-3.524	-1.302	-.2775	.1091	-.0107	-35.93

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	-.0025	.2582	.1881	3.535	5.814	52.56
Stddev	.0491	.3586	.3671	2.164	12.07	13.76
%RSD	1956.	138.9	195.2	61.21	207.6	26.18

#1	.0373	.1224	.5477	3.673	11.07	40.56
#2	-.0574	-.0128	-.1860	5.626	14.37	67.58
#3	.0126	.6648	.2025	1.305	-7.991	49.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/29/2011 1:16:56 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	4.943	.8257	-14.44	.6137	.2031	1.991
Stddev	1.454	.0667	23.79	.3911	.2049	.764
%RSD	29.41	8.081	164.7	63.73	100.9	38.40
#1	6.315	.8907	12.87	.4904	.3890	2.837
#2	5.096	.7574	-25.55	.2991	-.0166	1.784
#3	3.419	.8290	-30.65	1.051	.2370	1.351

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	2.248	2.221	-.7482	.1575	1.434	4.283
Stddev	1.862	1.961	.2486	.1132	.269	.229
%RSD	82.81	88.28	33.23	71.87	18.73	5.338
#1	.4349	1.168	-.7561	.2368	1.692	4.541
#2	2.155	1.012	-.9928	.0279	1.156	4.201
#3	4.155	4.483	-.4958	.2080	1.455	4.107

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/29/2011 1:16:56 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	.8831	.2017	5.575
Stddev	.7283	.1237	2.336
%RSD	82.47	61.33	41.91

#1	1.048	.3054	5.417
#2	1.515	.2350	3.322
#3	.0863	.0648	7.987

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	2505.2	35691.	5150.5
Stddev	4.5	110.	10.1
%RSD	.17892	.30691	.19682

#1	2509.3	35625.	5161.3
#2	2500.4	35631.	5141.1
#3	2506.0	35818.	5149.1

Sample Name: 460-31416-k-6-b Acquired: 9/29/2011 1:20:51 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	477.6	-.4655	.2593	57.38	.0605	38700.
Stddev	8.4	1.698	.4300	.78	.1149	401.
%RSD	1.765	364.8	165.8	1.363	190.0	1.037

#1	478.3	-2.239	.7526	57.87	-.0480	39060.
#2	468.9	1.146	.0614	57.80	.0486	38770.
#3	485.7	-.3033	-.0361	56.48	.1809	38270.

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	.5543	.6793	.1788	.3991	885.7	7766.
Stddev	.1041	.2164	.3888	2.587	12.3	45.
%RSD	18.79	31.85	217.4	648.1	1.392	.5787

#1	.6745	.4968	.1682	-.3778	888.2	7805.
#2	.4946	.6229	-.2045	3.285	896.5	7775.
#3	.4937	.9184	.5728	-1.710	872.3	7717.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-6-b Acquired: 9/29/2011 1:20:51 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	20090.	780.1	21120.	2.999	.3762	-1.362
Stddev	146.	6.3	87.	.718	1.024	1.532
%RSD	.7276	.8053	.4123	23.94	272.1	112.5

#1	20140.	783.3	21200.	2.176	.9528	-3.114
#2	20200.	784.1	21130.	3.328	.9815	-.2790
#3	19920.	772.9	21030.	3.494	-.8058	-.6914

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	3.718	.8373	1.171	3.107	57.63	.5937
Stddev	1.501	1.789	.497	.175	.95	.1673
%RSD	40.38	213.6	42.46	5.629	1.657	28.18

#1	5.130	-1.171	1.063	3.296	58.24	.4900
#2	2.141	1.426	1.713	3.074	58.11	.7867
#3	3.882	2.258	.7362	2.952	56.53	.5044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-6-b Acquired: 9/29/2011 1:20:51 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	.5346	46.47	28.43
Stddev	.4476	.48	1.70
%RSD	83.72	1.029	5.983

#1	.8662	46.92	27.09
#2	.0255	46.53	27.85
#3	.7120	45.97	30.34

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	2483.9	35178.	5197.5
Stddev	9.2	82.	25.1
%RSD	.37216	.23415	.48364

#1	2488.0	35196.	5182.6
#2	2490.4	35088.	5183.4
#3	2473.3	35250.	5226.6

Sample Name: 460-31416-k-7-b Acquired: 9/29/2011 1:24:40 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	927.5	.3840	-.3569	35.45	.1194	49660.
Stddev	9.6	2.014	.2273	1.39	.0173	345.
%RSD	1.035	524.5	63.68	3.921	14.49	.6954
#1	932.3	-.3130	-.5365	36.32	.1387	49670.
#2	933.8	2.654	-.1014	36.19	.1052	50000.
#3	916.5	-1.189	-.4327	33.85	.1144	49310.
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	.3420	1.366	1.953	5.499	1859.	2864.
Stddev	.0470	.528	.162	1.958	42.	37.
%RSD	13.75	38.65	8.289	35.60	2.265	1.285
#1	.3495	1.524	1.869	7.402	1870.	2866.
#2	.2917	1.796	1.850	3.491	1894.	2899.
#3	.3848	.7767	2.140	5.604	1812.	2826.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-7-b Acquired: 9/29/2011 1:24:40 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	27710.	86.84	14950.	3.688	2.277	-1.066
Stddev	450.	1.48	58.	.342	1.031	2.682
%RSD	1.622	1.707	.3896	9.261	45.29	251.6

#1	27850.	87.52	14920.	4.069	2.562	1.183
#2	28060.	87.86	15020.	3.588	3.136	-4.034
#3	27200.	85.14	14910.	3.408	1.133	-.3466

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	3.479	2.569	1.861	8.743	28.48	.4573
Stddev	2.992	3.055	.460	.470	.69	.2839
%RSD	86.02	118.9	24.73	5.373	2.431	62.08

#1	1.520	4.825	1.595	9.004	29.27	.7799
#2	1.993	-.9074	1.596	9.025	27.99	.2458
#3	6.923	3.788	2.393	8.201	28.18	.3462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-7-b Acquired: 9/29/2011 1:24:40 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	.4674	35.86	53.70
Stddev	.6636	.25	.70
%RSD	142.0	.6909	1.298

#1	1.159	35.88	54.50
#2	.4075	36.09	53.26
#3	-.1642	35.60	53.34

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	35143.	5201.0
Stddev	4.1	112.	11.8
%RSD	.16694	.31757	.22669

#1	2474.4	35255.	5213.6
#2	2478.3	35032.	5190.3
#3	2470.0	35141.	5198.9

Sample Name: 460-31416-k-8-b Acquired: 9/29/2011 1:28:27 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	1883.	.8045	-.2909	56.58	.1348	40710.
Stddev	47.	3.422	.4650	1.70	.1129	390.
%RSD	2.514	425.4	159.9	3.010	83.80	.9580

#1	1923.	4.709	.2293	57.86	.2096	41100.
#2	1895.	-1.673	-.6660	57.25	.0049	40710.
#3	1831.	-.6233	-.4358	54.65	.1898	40320.

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	.1635	1.485	6.869	2.672	2050.	6883.
Stddev	.0560	.008	.322	3.398	37.	81.
%RSD	34.26	.5254	4.690	127.2	1.827	1.178

#1	.2104	1.488	6.768	3.942	2085.	6965.
#2	.1015	1.477	6.609	-1.178	2056.	6803.
#3	.1787	1.491	7.230	5.252	2010.	6882.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-8-b Acquired: 9/29/2011 1:28:27 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	20200.	1475.	60070.	3.998	1.577	.3635
Stddev	169.	12.	499.	.228	1.383	2.618
%RSD	.8342	.7902	.8303	5.699	87.72	720.2

#1	20270.	1480.	60610.	4.237	2.240	-1.000
#2	20310.	1484.	60000.	3.975	2.503	3.382
#3	20000.	1462.	59620.	3.783	-.0131	-1.291

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	3.933	.9650	4.063	10.84	79.18	3.582
Stddev	2.989	2.017	.078	.40	1.92	.245
%RSD	76.00	209.0	1.931	3.714	2.429	6.830

#1	1.378	-1.323	4.145	10.94	80.36	3.310
#2	7.219	1.730	4.054	11.18	80.23	3.783
#3	3.200	2.488	3.989	10.39	76.96	3.653

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-8-b Acquired: 9/29/2011 1:28:27 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	.0082	89.87	61.21
Stddev	1.128	.85	2.81
%RSD	13720.	.9471	4.586

#1	-1.873	90.52	63.07
#2	-1.009	90.20	62.58
#3	1.221	88.91	57.99

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	2463.9	34741.	5198.1
Stddev	4.8	128.	18.6
%RSD	.19663	.36743	.35871

#1	2464.9	34874.	5179.5
#2	2468.1	34729.	5197.9
#3	2458.6	34620.	5216.8

Sample Name: 460-31416-k-10-a Acquired: 9/29/2011 1:32:15 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	114.4	3.046	.3840	21.55	.0166	76580.
Stddev	21.9	.197	.2262	.86	.0893	397.
%RSD	19.14	6.472	58.91	4.004	537.0	.5182
#1	137.2	3.266	.2056	22.25	-.0400	76570.
#2	112.4	2.987	.3080	21.81	.1196	76990.
#3	93.56	2.885	.6384	20.58	-.0297	76190.
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	.2413	-.3927	32.36	4.321	594.8	47060.
Stddev	.0912	.1514	.52	5.538	5.7	204.
%RSD	37.80	38.56	1.612	128.2	.9544	.4326
#1	.2266	-.5417	32.51	9.084	593.4	46930.
#2	.1583	-.2389	32.79	5.633	601.1	47290.
#3	.3390	-.3976	31.78	-1.755	590.0	46950.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-10-a Acquired: 9/29/2011 1:32:15 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	30710.	16.68	109200.	6.440	2.264	.4693
Stddev	427.	.18	577.	.150	1.175	1.950
%RSD	1.391	1.084	.5281	2.337	51.92	415.4

#1	30770.	16.73	108800.	6.575	1.891	-1.508
#2	31100.	16.84	109800.	6.278	3.581	.5262
#3	30250.	16.49	108900.	6.468	1.320	2.390

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	23.71	2.051	-.1709	351.9	135.5	-.1424
Stddev	1.23	3.630	.2271	11.6	3.9	.2733
%RSD	5.200	177.0	132.8	3.301	2.910	191.9

#1	24.29	5.531	-.1232	359.5	138.2	-.1169
#2	22.30	-1.713	-.4180	357.7	137.4	-.4276
#3	24.55	2.334	.0285	338.5	131.0	.1172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-10-a Acquired: 9/29/2011 1:32:15 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	.0516	195.2	12.46
Stddev	.1267	1.2	1.04
%RSD	245.6	.6367	8.385

#1	.1416	195.2	11.41
#2	.1065	196.4	13.50
#3	-.0933	193.9	12.46

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	2412.6	33649.	5139.3
Stddev	2.8	235.	33.6
%RSD	.11644	.69898	.65382

#1	2409.4	33833.	5177.5
#2	2414.2	33384.	5125.8
#3	2414.2	33729.	5114.5

Sample Name: 460-31416-k-12-b Acquired: 9/29/2011 1:36:03 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	31.42	-1.077	-.7733	-.0059	.0522	-4.976
Stddev	21.07	2.372	.3840	.1014	.1067	13.68
%RSD	67.04	220.2	49.66	1731.	204.5	275.0

#1	47.72	-1.345	-1.132	.0729	-.0394	-18.63
#2	7.636	1.417	-.3682	.0298	.0266	-5.033
#3	38.91	-3.304	-.8196	-.1203	.1693	8.735

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	.0735	-.2035	-.6061	1.079	20.02	78.55
Stddev	.1053	.2425	.5010	3.502	7.77	17.71
%RSD	143.2	119.1	82.66	324.6	38.80	22.55

#1	.1693	.0765	-.4667	-.8432	16.94	98.36
#2	-.0392	-.3455	-.1896	-1.041	28.85	73.05
#3	.0904	-.3415	-1.162	5.122	14.26	64.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-12-b Acquired: 9/29/2011 1:36:03 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	1.598	.2403	-9.762	.7443	-.5100	.4365
Stddev	4.504	.1001	26.07	.2517	.8023	1.186
%RSD	281.9	41.63	267.0	33.82	157.3	271.7

#1	6.798	.2492	18.18	.9667	.4031	.5634
#2	-.9681	.1362	-14.05	.4710	-.8314	1.554
#3	-1.036	.3357	-33.42	.7953	-1.102	-.8077

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	2.241	1.152	-.0963	.1873	97.86	-.1364
Stddev	2.055	1.436	.2516	.0720	3.30	.3165
%RSD	91.70	124.7	261.3	38.42	3.368	232.0

#1	3.339	2.462	.0507	.1374	99.56	-.2918
#2	-.1298	1.379	.0472	.2698	99.96	.2277
#3	3.515	-.3840	-.3868	.1547	94.06	-.3452

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31416-k-12-b Acquired: 9/29/2011 1:36:03 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	-.0526	.0919	-1.206
Stddev	.2366	.0524	1.719
%RSD	450.0	57.07	142.6

#1	-.0151	.1524	.6435
#2	.1630	.0610	-2.756
#3	-.3056	.0622	-1.504

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	2546.8	36576.	5231.8
Stddev	3.1	114.	40.6
%RSD	.12251	.31117	.77639

#1	2543.2	36707.	5278.6
#2	2548.1	36499.	5206.2
#3	2549.0	36522.	5210.4

Sample Name: 460-31437-f-6-a Acquired: 9/29/2011 1:39:55 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	86.38	.1560	-.5654	26.66	-.0259	76090.
Stddev	7.67	.8123	.5948	1.15	.0740	705.
%RSD	8.878	520.7	105.2	4.300	285.9	.9270

#1	95.22	.4572	.1194	27.37	-.0976	76840.
#2	81.45	-.7638	-.8638	27.27	-.0304	76010.
#3	82.49	.7746	-.9519	25.34	.0503	75430.

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	-.0025	-.1577	17.25	-1.066	160.5	1769.
Stddev	.0712	.2887	.67	3.771	11.1	37.
%RSD	2867.	183.1	3.863	353.6	6.929	2.105

#1	-.0050	-.4512	17.85	3.254	149.7	1727.
#2	-.0724	.1260	17.36	-2.754	171.9	1785.
#3	.0700	-.1479	16.54	-3.699	159.8	1796.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31437-f-6-a Acquired: 9/29/2011 1:39:55 Type: Unk
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	30880.	2.107	41690.	1342.	1.682	-.4229
Stddev	575.	.023	462.	58.	1.981	1.987
%RSD	1.862	1.101	1.109	4.328	117.8	469.8

#1	31460.	2.114	42210.	1376.	.6715	-.2445
#2	30850.	2.081	41560.	1374.	.4103	-2.493
#3	30310.	2.126	41310.	1274.	3.964	1.469

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	.3768	1.696	1.040	.7196	137.9	.5947
Stddev	3.127	.246	.136	.1847	4.9	.1540
%RSD	829.7	14.49	13.05	25.66	3.580	25.90

#1	3.388	1.545	.8832	.9139	141.7	.4201
#2	-2.854	1.979	1.121	.5463	139.8	.6530
#3	.5966	1.563	1.115	.6987	132.3	.7111

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-31437-f-6-a Acquired: 9/29/2011 1:39:55 Type: Unk
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	.3161	188.9	13.97
Stddev	1.289	1.4	.25
%RSD	407.8	.7206	1.780

#1	-.7120	190.2	14.21
#2	-.1019	188.8	14.00
#3	1.762	187.5	13.71

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	2456.9	34593.	5163.9
Stddev	4.6	236.	28.8
%RSD	.18908	.68188	.55828

#1	2460.7	34457.	5141.8
#2	2451.7	34866.	5196.5
#3	2458.4	34458.	5153.4

Sample Name: CCV Acquired: 9/29/2011 1:43:46 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	133800.	2480.	1259.	10160.	1060.	133100.
Stddev	1396.	32.	3.	112.	11.	1235.
%RSD	1.043	1.276	.2200	1.099	1.029	.9277

#1	133900.	2477.	1261.	10160.	1059.	133200.
#2	135100.	2512.	1260.	10270.	1071.	134300.
#3	132300.	2449.	1256.	10050.	1049.	131900.

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.	2500.	5077.	13250.	100600.	52880.
Stddev	14.	29.	29.	120.	528.	470.
%RSD	1.070	1.177	.5651	.9050	.5253	.8887

#1	1267.	2504.	5085.	13240.	100700.	52920.
#2	1280.	2527.	5101.	13380.	101000.	53330.
#3	1253.	2469.	5045.	13140.	99970.	52390.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/29/2011 1:43:46 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	127500.	5216.	132100.	2524.	7564.	1001.
Stddev	651.	28.	1060.	27.	76.	15.
%RSD	.5101	.5378	.8028	1.069	1.001	1.513

#1	127700.	5218.	131700.	2527.	7566.	1009.
#2	128100.	5243.	133300.	2549.	7638.	1010.
#3	126800.	5187.	131200.	2496.	7487.	983.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se1960	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	2436.	2481.	2516.	2496.	1006.	2526.
Stddev	28.	29.	13.	26.	9.	33.
%RSD	1.130	1.162	.5103	1.044	.8890	1.319

#1	2437.	2479.	2520.	2498.	1002.	2534.
#2	2463.	2510.	2526.	2522.	1016.	2555.
#3	2408.	2452.	2502.	2470.	999.7	2490.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 9/29/2011 1:43:46 Type: QC
 Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
 User: DAVEV 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	ppb	ppb	ppb
Avg	990.8	5320.	10520.
Stddev	11.3	58.	119.
%RSD	1.139	1.094	1.129

#1	993.9	5329.	10520.
#2	1000.	5373.	10640.
#3	978.2	5258.	10400.

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	2304.6	32544.	5084.5
Stddev	10.9	139.	19.8
%RSD	.47335	.42805	.38858

#1	2313.1	32618.	5084.5
#2	2292.3	32384.	5064.8
#3	2308.3	32632.	5104.3

Sample Name: CCB Acquired: 9/29/2011 1:47:15 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	19.06	2.192	-.1132	.3451	-.0059	-13.79
Stddev	17.32	1.048	.3400	.2587	.0839	25.62
%RSD	90.90	47.83	300.3	74.96	1418.	185.7

#1	37.35	2.010	-.4594	.6424	.0200	15.62
#2	16.91	1.246	.2201	.1711	.0620	-25.74
#3	2.907	3.319	-.1003	.2219	-.0997	-31.26

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	.0347	.0839	-.0376	-1.249	7.475	81.55
Stddev	.0215	.0593	.4207	3.229	2.288	8.45
%RSD	61.89	70.59	1119.	258.6	30.60	10.36

#1	.0193	.0383	-.1913	-.4613	10.11	71.96
#2	.0592	.0627	-.3599	1.514	6.254	87.89
#3	.0256	.1509	.4384	-4.798	6.057	84.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/29/2011 1:47:15 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV Custom ID1: Custom ID2: Custom ID3:
Comment:

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	7.773	.5276	-27.49	.7498	-.7210	2.278
Stddev	3.885	.0754	15.47	.1176	1.060	1.755
%RSD	49.99	14.30	56.29	15.68	147.0	77.06
#1	12.26	.6141	-9.716	.8214	-.6888	.2525
#2	5.531	.4930	-34.76	.6141	.3228	3.223
#3	5.529	.4757	-37.98	.8138	-1.797	3.358

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	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	1.208	2.266	-.4014	-.1327	1.974	4.071
Stddev	.941	.558	.3342	.0983	.510	.280
%RSD	77.90	24.62	83.26	74.11	25.86	6.873
#1	2.113	1.628	-.0228	-.1500	2.271	3.893
#2	.2343	2.660	-.5258	-.2212	1.385	4.394
#3	1.278	2.510	-.6555	-.0269	2.267	3.926

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 9/29/2011 1:47:15 Type: QC
Method: SW84609192011(v8) Mode: CONC Corr. Factor: 1.000000
User: DAVEV 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	ppb	ppb	ppb
Avg	.4888	.1984	4.040
Stddev	.5591	.1643	2.074
%RSD	114.4	82.82	51.34

#1	-.1565	.1883	1.653
#2	.8261	.3675	5.058
#3	.7969	.0394	5.408

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	35661.	5128.1
Stddev	.5	29.	3.4
%RSD	.01811	.08178	.06668

#1	2504.5	35688.	5127.4
#2	2503.6	35630.	5125.0
#3	2504.3	35665.	5131.8

Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Standard: 1 Rep: 1				Seq: 5		20:47:20	22 Sep 11	HG	
Hg .000	ppb	5596							=
*** Standard: 2 Rep: 1				Seq: 6		20:49:08	22 Sep 11	HG	
Hg .100	ppb	8276							=
*** Standard: 3 Rep: 1				Seq: 7		20:50:55	22 Sep 11	HG	
Hg 1.00	ppb	43090							=
*** Standard: 4 Rep: 1				Seq: 8		20:53:13	22 Sep 11	HG	
Hg 2.00	ppb	83127							=
*** Standard: 5 Rep: 1				Seq: 9		20:55:03	22 Sep 11	HG	
Hg 5.00	ppb	205964							=
*** Standard: 6 Rep: 1				Seq: 10		20:57:01	22 Sep 11	HG	
Hg 10.0	ppb	388353							=
*** Check Standard: 3 Ck3AICV				Seq: 11		20:58:49	22 Sep 11	HG	
Line Flag %Rcv. Found True Units SD/RSD									=
Hg 102. 5.12 5.00 ppb .000									
*** Check Standard: 1 Ck1ICB/CCB				Seq: 12		21:00:34	22 Sep 11	HG	
Line Flag Found Range(+/-) Units SD/RSD									=
Hg -.098 .200 ppb .000									
*** Sample ID:				Seq: 13		21:02:31	22 Sep 11	HG	
Hg -.077 ppb .000				mb 460-87023/10-a					=
				- .077					
=====									
*** Sample ID: lcssrm 460				Seq: 14		21:04:40	22 Sep 11	HG	
Hg 5.15 ppb .000				-87023/11-a@10					=
				5.15					
=====									
*** Sample ID:				Seq: 15		21:06:27	22 Sep 11	HG	
Hg .023 ppb .000				460-31430-a-1-a					=
				.023					

Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Sample ID:				Seq: 16		21:08:14	22 Sep 11	HG	
Hg -.008 ppb .000				460-31430-a-1-b du					=
				- .008					
*** Sample ID:				Seq: 17		21:10:03	22 Sep 11	HG	
				460-31430-a-1-c ms					=

*** Sample ID: Seq: 32 21:37:51 22 Sep 11 HG
 460-31415-a-12-a
 Hg .388 ppb .000 .388
 *** Sample ID: Seq: 33 21:39:40 22 Sep 11 HG
 460-31415-a-13-a
 Hg .041 ppb .000 .041
 *** Sample ID: Seq: 34 21:41:25 22 Sep 11 HG
 460-31415-a-14-a
 Hg .249 ppb .000 .249
 *** Check Standard: 2 Ck2ACCV Seq: 35 21:43:21 22 Sep 11 HG
 Line Flag %Rcv. Found True Units SD/RSD
 Hg 107. 5.35 5.00 ppb .000
 *** Check Standard: 1 Ck1ICB/CCB Seq: 36 21:45:05 22 Sep 11 HG
 Line Flag Found Range(+/-) Units SD/RSD
 Hg -.132 .200 ppb .000
 *** Sample ID: Seq: 37 21:46:51 22 Sep 11 HG
 460-31415-a-15-a
 Hg .138 ppb .000 .138
 *** Sample ID: Seq: 38 21:48:42 22 Sep 11 HG
 460-31415-a-16-a
 Hg -.037 ppb .000 -.037
 *** Sample ID: Seq: 39 21:50:27 22 Sep 11 HG
 460-31415-a-17-a
 Hg .003 ppb .000 .003

Folder: 87023HG1
 Protocol: SW846A
 POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5

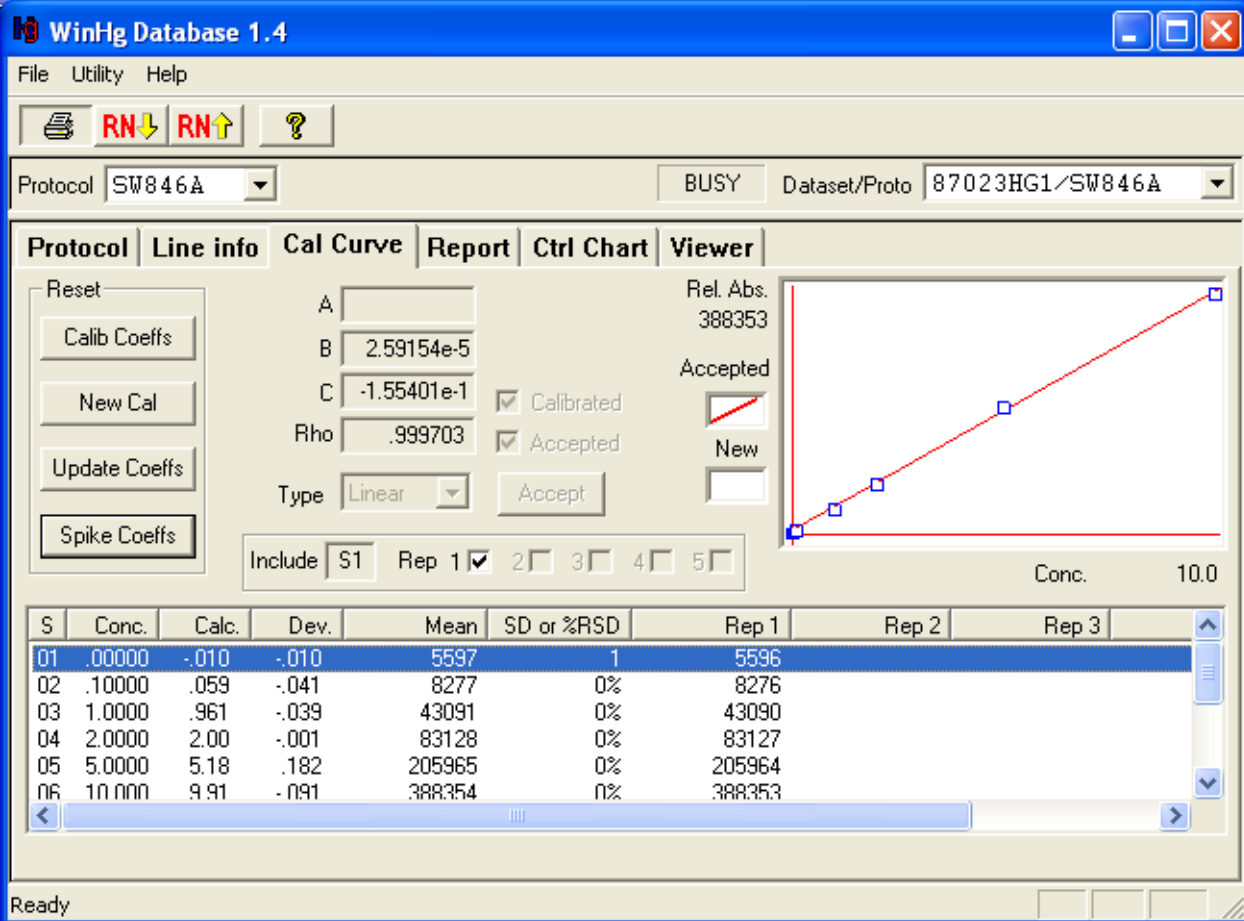
*** Sample ID: Seq: 40 21:52:12 22 Sep 11 HG
 460-31415-a-18-a
 Hg -.091 ppb .000 -.091
 *** Sample ID: Seq: 41 21:54:07 22 Sep 11 HG
 SD 460-31430-a-1-a@5
 Hg -.084 ppb .000 -.084
 *** Check Standard: 2 Ck2ACCV Seq: 42 21:55:55 22 Sep 11 HG
 Line Flag %Rcv. Found True Units SD/RSD
 Hg 104. 5.22 5.00 ppb .000
 *** Check Standard: 1 Ck1ICB/CCB Seq: 43 21:57:54 22 Sep 11 HG
 Line Flag Found Range(+/-) Units SD/RSD
 Hg -.076 .200 ppb .000
 *** Sample ID: Seq: 44 21:59:50 22 Sep 11 HG
 mb 460-87024/10-a
 Hg -.096 ppb .000 -.096

*** Sample ID: lcssrm 460 Seq: 45 22:01:45 22 Sep 11 HG
 -87024/11-a@10
 Hg -.157 ppb .000 -.157

*** Sample ID: lcssrm 460 Seq: 46 22:04:04 22 Sep 11 HG

-87024/11-a@10									
Hg	5.26	ppb	.000	5.26					=
=====									
***	Sample ID:			Seq: 47	22:05:56	22 Sep 11	HG		
				460-31418-a-1-a					
Hg	-.010	ppb	.000	-.010					=
***	Sample ID:			Seq: 48	22:07:41	22 Sep 11	HG		
				460-31418-a-1-b du					
Hg	-.009	ppb	.000	-.009					=
***	Sample ID:			Seq: 49	22:09:36	22 Sep 11	HG		
				460-31418-a-1-c ms					
Hg	1.10	ppb	.000	1.10					=
***	Sample ID:			Seq: 50	22:11:41	22 Sep 11	HG		
				460-31415-a-19-a					
Hg	.016	ppb	.000	.016					=
Folder: 87023HG1 Protocol: SW846A ***POST-RUN REPORT***									
Line	Conc.	Units	SD/RSD	1	2	3	4	5	

***	Sample ID:			Seq: 51	22:13:27	22 Sep 11	HG		
				460-31415-a-20-a					
Hg	-.037	ppb	.000	-.037					=
***	Sample ID:			Seq: 52	22:15:35	22 Sep 11	HG		
				460-31415-a-21-a					
Hg	-.001	ppb	.000	-.001					=
***	Sample ID:			Seq: 53	22:17:46	22 Sep 11	HG		
				460-31415-a-22-a					
Hg	-.019	ppb	.000	-.019					=
***	Check Standard: 2	Ck2ACCV		Seq: 54	22:19:33	22 Sep 11	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		106.	5.30	5.00	ppb	.000			=
***	Check Standard: 1	Ck1ICB/CCB		Seq: 55	22:21:39	22 Sep 11	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.078	.200	ppb	.000				=
***	Sample ID:			Seq: 56	22:23:24	22 Sep 11	HG		
				460-31415-a-23-a					
Hg	.075	ppb	.000	.075					=
***	Sample ID:			Seq: 57	22:25:12	22 Sep 11	HG		
				460-31415-a-24-a					
Hg	.008	ppb	.000	.008					=
***	Sample ID:			Seq: 58	22:26:59	22 Sep 11	HG		
				460-31415-a-26-a					
Hg	.055	ppb	.000	.055					=
***	Sample ID:			Seq: 59	22:28:46	22 Sep 11	HG		
				460-31415-a-27-a					
Hg	-.032	ppb	.000	-.032					=
***	Sample ID:			Seq: 60	22:30:36	22 Sep 11	HG		
				460-31328-d-5-a					



Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1				Seq: 5		20:47:20	22 Sep 11	HG
Hg .000	ppb		5596					
	Bkgd 1		6689319					
*** Standard: 2 Rep: 1				Seq: 6		20:49:08	22 Sep 11	HG
Hg .100	ppb		8276					
	Bkgd 1		6681151					
*** Standard: 3 Rep: 1				Seq: 7		20:50:55	22 Sep 11	HG
Hg 1.00	ppb		43090					
	Bkgd 1		6676762					
*** Standard: 4 Rep: 1				Seq: 8		20:53:13	22 Sep 11	HG
Hg 2.00	ppb		83127					
	Bkgd 1		6675300					
*** Standard: 5 Rep: 1				Seq: 9		20:55:03	22 Sep 11	HG
Hg 5.00	ppb		205964					
	Bkgd 1		6673654					
*** Standard: 6 Rep: 1				Seq: 10		20:57:01	22 Sep 11	HG
Hg 10.0	ppb		388353					
	Bkgd 1		6667849					
*** Check Standard: 3			Ck3AICV	Seq: 11		20:58:49	22 Sep 11	HG
Line Flag			Intensities					
Hg			203532					
	Bkgd 1		6667271					
*** Check Standard: 1			Ck1ICB/CCB	Seq: 12		21:00:34	22 Sep 11	HG
Line Flag			Intensities					
Hg			2200					
	Bkgd 1		6669034					
*** Sample ID:				Seq: 13		21:02:31	22 Sep 11	HG
			mb 460-87023/10-a					
Hg -.077	ppb		3040					
	Bkgd 1		6667792					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: lcssrm 460				Seq: 14		21:04:40	22 Sep 11	HG
			-87023/11-a@10					
Hg 5.15	ppb		204629					
	Bkgd 1		6667542					

*** Sample ID:		Seq: 15	21:06:27 22 Sep 11	HG
		460-31430-a-1-a		
Hg	.023	ppb	6893	
		Bkgd 1	6667898	=
*** Sample ID:		Seq: 16	21:08:14 22 Sep 11	HG
		460-31430-a-1-b du		
Hg	-.008	ppb	5673	
		Bkgd 1	6669265	=
*** Sample ID:		Seq: 17	21:10:03 22 Sep 11	HG
		460-31430-a-1-c ms		
Hg	1.12	ppb	49400	
		Bkgd 1	6669796	=
*** Sample ID:		Seq: 18	21:11:47 22 Sep 11	HG
		460-31427-a-1-a		
Hg	.051	ppb	7959	
		Bkgd 1	6668689	=
*** Sample ID:		Seq: 19	21:13:44 22 Sep 11	HG
		460-31415-a-1-a		
Hg	.351	ppb	19536	
		Bkgd 1	6668745	=
*** Sample ID:		Seq: 20	21:15:49 22 Sep 11	HG
		460-31415-a-2-a		
Hg	.346	ppb	19354	
		Bkgd 1	6668412	=
*** Sample ID:		Seq: 21	21:17:38 22 Sep 11	HG
		460-31415-a-3-a		
Hg	.255	ppb	15855	
		Bkgd 1	6667669	=
*** Sample ID:		Seq: 22	21:19:26 22 Sep 11	HG
		460-31415-a-4-a		
Hg	.178	ppb	12862	
		Bkgd 1	6668231	=

Folder: 87023HG1
Protocol: SW846A
POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 2			Ck2ACCV	Seq: 23	21:21:20 22 Sep 11	HG		
Line Flag			Intensities					
Hg			216341					
		Bkgd 1	6669304					=
*** Check Standard: 1			Ck1ICB/CCB	Seq: 24	21:23:10 22 Sep 11	HG		
Line Flag			Intensities					
Hg			1313					
		Bkgd 1	6667907					=
*** Sample ID:				Seq: 25	21:25:01 22 Sep 11	HG		
			460-31415-a-5-a					
Hg	.090	ppb	9471					
		Bkgd 1	6668462					=
*** Sample ID:				Seq: 26	21:26:46 22 Sep 11	HG		
			460-31415-a-6-a					
Hg	.034	ppb	7313					

	Bkgd 1	6668948								=
***	Sample ID:		Seq: 27	21:28:30	22 Sep 11	HG				=
			460-31415-a-7-a							
Hg	.062	ppb	3612							=
	Bkgd 1	6669791								=
***	Sample ID:		Seq: 28	21:30:15	22 Sep 11	HG				
			460-31415-a-8-a							
Hg	.163	ppb	12270							=
	Bkgd 1	6669151								=
***	Sample ID:		Seq: 29	21:32:05	22 Sep 11	HG				
			460-31415-a-9-a							
Hg	.045	ppb	7714							=
	Bkgd 1	6667259								=
***	Sample ID:		Seq: 30	21:34:01	22 Sep 11	HG				
			460-31415-a-10-a							
Hg	.299	ppb	17533							=
	Bkgd 1	6669131								=
***	Sample ID:		Seq: 31	21:36:06	22 Sep 11	HG				
			460-31415-a-11-a							
Hg	.235	ppb	15064							=
	Bkgd 1	6668702								=

Folder: 87023HG1
Protocol: SW846A
POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
***	Sample ID:		Seq: 32	21:37:51	22 Sep 11	HG			
			460-31415-a-12-a						
Hg	.388	ppb	20962						=
	Bkgd 1	6667223							=
***	Sample ID:		Seq: 33	21:39:40	22 Sep 11	HG			
			460-31415-a-13-a						
Hg	.041	ppb	7590						=
	Bkgd 1	6667755							=
***	Sample ID:		Seq: 34	21:41:25	22 Sep 11	HG			
			460-31415-a-14-a						
Hg	.249	ppb	15589						=
	Bkgd 1	6668011							=
***	Check Standard: 2	Ck2ACCV	Seq: 35	21:43:21	22 Sep 11	HG			
Line Flag		Intensities							
Hg		212320							=
	Bkgd 1	6668861							=
***	Check Standard: 1	Ck1ICB/CCB	Seq: 36	21:45:05	22 Sep 11	HG			
Line Flag		Intensities							
Hg		908							=
	Bkgd 1	6667441							=
***	Sample ID:		Seq: 37	21:46:51	22 Sep 11	HG			
			460-31415-a-15-a						
Hg	.138	ppb	11338						=
	Bkgd 1	6670097							=
***	Sample ID:		Seq: 38	21:48:42	22 Sep 11	HG			

460-31415-a-16-a

Hg -.037 ppb 4580
Bkgd 1 6670217

*** Sample ID: Seq: 39 21:50:27 22 Sep 11 HG

460-31415-a-17-a

Hg .003 ppb 6104
Bkgd 1 6669828

*** Sample ID: Seq: 40 21:52:12 22 Sep 11 HG

460-31415-a-18-a

Hg -.091 ppb 2478
Bkgd 1 6668973

Folder: 87023HG1
Protocol: SW846A
POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 41 21:54:07 22 Sep 11 HG								
SD 460-31430-a-1-a@5								
Hg	-.084	ppb	2758					
		Bkgd 1	6669590					
*** Check Standard: 2 Seq: 42 21:55:55 22 Sep 11 HG								
Line	Flag		Ck2ACCV					
			Intensities					
Hg			207563					
		Bkgd 1	6669480					
*** Check Standard: 1 Seq: 43 21:57:54 22 Sep 11 HG								
Line	Flag		Ck1ICB/CCB					
			Intensities					
Hg			3055					
		Bkgd 1	6670449					
*** Sample ID: Seq: 44 21:59:50 22 Sep 11 HG								
mb 460-87024/10-a								
Hg	-.096	ppb	2294					
		Bkgd 1	6670308					
*** Sample ID: lcssrm 460 Seq: 45 22:01:45 22 Sep 11 HG								
-87024/11-a@10								
Hg	-.157	ppb	-52					
		Bkgd 1	6669113					
*** Sample ID: lcssrm 460 Seq: 46 22:04:04 22 Sep 11 HG								
-87024/11-a@10								
Hg	5.26	ppb	208877					
		Bkgd 1	6668987					
*** Sample ID: Seq: 47 22:05:56 22 Sep 11 HG								
460-31418-a-1-a								
Hg	-.010	ppb	5596					
		Bkgd 1	6667427					
*** Sample ID: Seq: 48 22:07:41 22 Sep 11 HG								
460-31418-a-1-b du								
Hg	-.009	ppb	5653					
		Bkgd 1	6669358					
*** Sample ID: Seq: 49 22:09:36 22 Sep 11 HG								
460-31418-a-1-c ms								

Page 855 of 885 10/26/2011

Hg 1.10 ppb 48336
Bkgd 1 6669275

Folder: 87023HG1
Protocol: SW846A
POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 50 22:11:41 22 Sep 11 HG
460-31415-a-19-a

Hg .016 ppb 6624
Bkgd 1 6669535

*** Sample ID: Seq: 51 22:13:27 22 Sep 11 HG
460-31415-a-20-a

Hg -.037 ppb 4571
Bkgd 1 6668992

*** Sample ID: Seq: 52 22:15:35 22 Sep 11 HG
460-31415-a-21-a

Hg -.001 ppb 5969
Bkgd 1 6670026

*** Sample ID: Seq: 53 22:17:46 22 Sep 11 HG
460-31415-a-22-a

Hg -.019 ppb 5269
Bkgd 1 6671806

*** Check Standard: 2 Ck2ACCV Seq: 54 22:19:33 22 Sep 11 HG
Line Flag Intensities
Hg 210503
Bkgd 1 6668252

*** Check Standard: 1 Ck1ICB/CCB Seq: 55 22:21:39 22 Sep 11 HG
Line Flag Intensities
Hg 3002
Bkgd 1 6661417

*** Sample ID: Seq: 56 22:23:24 22 Sep 11 HG
460-31415-a-23-a

Hg .075 ppb 8892
Bkgd 1 6658686

*** Sample ID: Seq: 57 22:25:12 22 Sep 11 HG
460-31415-a-24-a

Hg .008 ppb 6298
Bkgd 1 6657160

*** Sample ID: Seq: 58 22:26:59 22 Sep 11 HG
460-31415-a-26-a

Hg .055 ppb 8119
Bkgd 1 6653540

Folder: 87023HG1
Protocol: SW846A
POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 59 22:28:46 22 Sep 11 HG
460-31415-a-27-a

Hg -.032 ppb 4755
Bkgd 1 6651381

*** Sample ID:		Seq: 60	22:30:36 22 Sep 11	HG	=
		460-31328-d-5-a			
Hg	.090	ppb	9488		=
		Bkgd 1	6649607		=
*** Sample ID:		Seq: 61	22:32:23 22 Sep 11	HG	
		460-31452-a-1-a			
Hg	2.75	ppb	112287		=
		Bkgd 1	6646576		=
*** Sample ID:		Seq: 62	22:34:29 22 Sep 11	HG	
		460-31452-f-2-a			
Hg	2.60	ppb	106299		=
		Bkgd 1	6643013		=
*** Sample ID:		Seq: 63	22:36:28 22 Sep 11	HG	
		460-31452-a-3-a			
Hg	2.54	ppb	103873		=
		Bkgd 1	6641830		=
*** Sample ID:		Seq: 64	22:38:16 22 Sep 11	HG	
		460-31452-f-4-a			
Hg	2.58	ppb	105626		=
		Bkgd 1	6638824		=
*** Sample ID:		Seq: 65	22:40:02 22 Sep 11	HG	
		SD 460-31418-a-1-a@5			
Hg	-.116	ppb	1507		=
		Bkgd 1	6637175		=
*** Check Standard: 2		Seq: 66	22:41:48 22 Sep 11	HG	
Line Flag		Ck2ACCV Intensities			
Hg		210365			
		Bkgd 1	6637955		=
*** Check Standard: 1		Seq: 67	22:43:33 22 Sep 11	HG	
Line Flag		Ck1ICB/CCB Intensities			
Hg		2932			
		Bkgd 1	6635211		=
					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Standard: 1 Rep: 1				Seq: 15		14:29:53	23 Sep 11	HG	
Hg .000	ppb	771							=
*** Standard: 2 Rep: 1				Seq: 16		14:31:42	23 Sep 11	HG	
Hg .100	ppb	6112							=
*** Standard: 3 Rep: 1				Seq: 17		14:33:26	23 Sep 11	HG	
Hg 1.00	ppb	43282							=
*** Standard: 4 Rep: 1				Seq: 18		14:35:13	23 Sep 11	HG	
Hg 2.00	ppb	82229							=
*** Standard: 5 Rep: 1				Seq: 19		14:37:10	23 Sep 11	HG	
Hg 5.00	ppb	209533							=
*** Standard: 6 Rep: 1				Seq: 20		14:38:55	23 Sep 11	HG	
Hg 10.0	ppb	403030							=
*** Check Standard: 3 Ck3AICV				Seq: 21		14:41:10	23 Sep 11	HG	
Line Flag %Rcv. Found True				Units		SD/RSD			
Hg		102.	5.12	5.00	ppb	.000			=
*** Check Standard: 1 Ck1ICB/CCB				Seq: 22		14:43:05	23 Sep 11	HG	
Line Flag Found Range(+/-) Units						SD/RSD			
Hg		-.007	.200	ppb		.000			=
*** Sample ID:				Seq: 23		14:44:59	23 Sep 11	HG	
			MB 460-87088/1-A						
Hg .030	ppb	.000	.030						=
=====									
*** Sample ID: LCSSRM 460				Seq: 24		14:46:57	23 Sep 11	HG	
			-87088/2-A@10						
Hg 5.27	ppb	.000	5.27						=
=====									
*** Sample ID:				Seq: 25		14:49:11	23 Sep 11	HG	
			460-31466-A-3-I						
Hg 29.8	ppb	.000	29.8						=
=====									
Folder: 87088hg1 Protocol: SW846A ***POST-RUN REPORT***									
Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Sample ID:				Seq: 26		14:51:10	23 Sep 11	HG	
			460-31466-A-3-J DU						
Hg 29.1	ppb	.000	29.1						=
*** Sample ID:				Seq: 27		14:52:54	23 Sep 11	HG	
			460-31466-A-3-K MS						

*** Check Standard: 1 Ck1ICB/CCB Seq: 42 15:20:36 23 Sep 11 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg .031 .200 ppb .000

*** Sample ID: Seq: 43 15:22:20 23 Sep 11 HG
460-31466-A-6-D
Hg 7.12 ppb .000 7.12

*** Sample ID: Seq: 44 15:24:15 23 Sep 11 HG
460-31466-A-7-D
Hg 4.85 ppb .000 4.85

*** Sample ID: Seq: 45 15:26:02 23 Sep 11 HG
460-31466-A-8-D
Hg 2.92 ppb .000 2.92

*** Sample ID: Seq: 46 15:28:10 23 Sep 11 HG
460-31466-A-9-D
Hg 9.71 ppb .000 9.71

*** Sample ID: Seq: 47 15:30:16 23 Sep 11 HG
460-31466-A-10-D
Hg 8.06 ppb .000 8.06

*** Sample ID: Seq: 48 15:32:02 23 Sep 11 HG
460-31428-A-11-D
Hg .160 ppb .000 .160

*** Sample ID: Seq: 49 15:33:50 23 Sep 11 HG
460-31428-A-12-D
Hg .198 ppb .000 .198

Folder: 87088hg1
Protocol: SW846A
POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 50 15:35:36 23 Sep 11 HG
sd 460-31466-A-3-I@5
Hg 5.07 ppb .000 5.07

*** Check Standard: 2 Ck2ACCV Seq: 51 15:37:31 23 Sep 11 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 104. 5.19 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 52 15:39:24 23 Sep 11 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.005 .200 ppb .000

*** Sample ID: Seq: 53 15:41:13 23 Sep 11 HG
460-31466-A-3-I@10
Hg 3.28 ppb .000 3.28

*** Sample ID: 460-31466- Seq: 54 15:43:20 23 Sep 11 HG
A-3-J DU@10
Hg 3.21 ppb .000 3.21

*** Sample ID: 460-31466- Seq: 55 15:45:04 23 Sep 11 HG
A-3-K MS@10
Hg 3.43 ppb .000 3.43

*** Sample ID: Seq: 56 15:47:20 23 Sep 11 HG
 460-31466-A-1-D@10
 Hg 5.72 ppb .000 5.72
 *** Sample ID: Seq: 57 15:49:07 23 Sep 11 HG
 460-31466-A-11-D
 Hg 2.58 ppb .000 2.58
 *** Sample ID: Seq: 58 15:51:02 23 Sep 11 HG
 460-31466-A-12-D@10
 Hg 5.04 ppb .000 5.04
 *** Sample ID: Seq: 59 15:52:50 23 Sep 11 HG
 460-31466-A-13-D@10
 Hg 4.40 ppb .000 4.40
 *** Sample ID: Seq: 60 15:55:00 23 Sep 11 HG
 460-31466-A-14-D@2
 Hg 6.56 ppb .000 6.56

Folder: 87088hg1
 Protocol: SW846A
 POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5

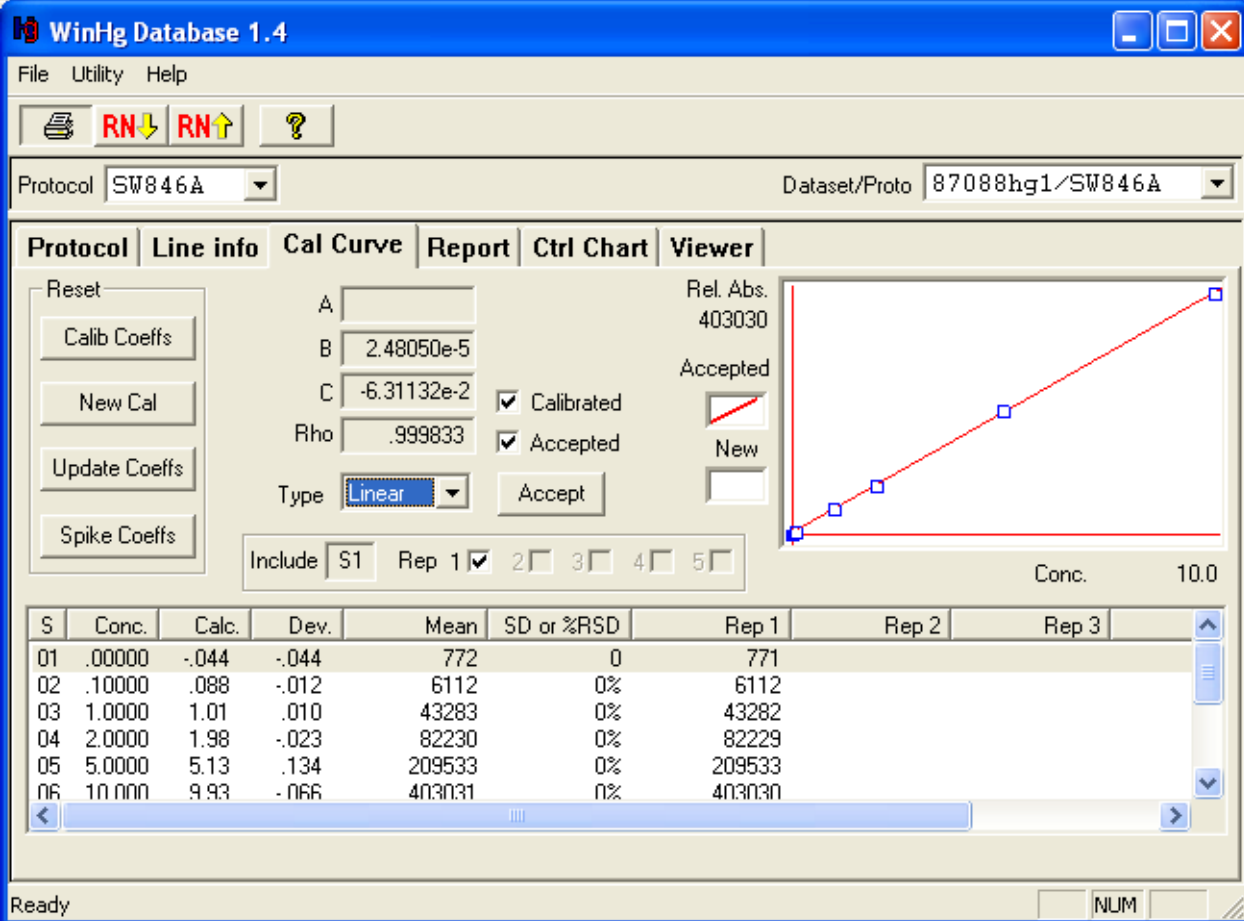
*** Sample ID: Seq: 61 15:56:47 23 Sep 11 HG
 460-31466-A-15-D@2
 Hg 6.60 ppb .000 6.60
 *** Sample ID: Seq: 62 15:58:32 23 Sep 11 HG
 460-31466-A-16-D@3
 Hg 5.95 ppb .000 5.95
 *** Check Standard: 2 Ck2ACCV Seq: 63 16:00:17 23 Sep 11 HG
 Line Flag %Rcv. Found True Units SD/RSD
 Hg 104. 5.19 5.00 ppb .000
 *** Check Standard: 1 Ck1ICB/CCB Seq: 64 16:02:03 23 Sep 11 HG
 Line Flag Found Range(+/-) Units SD/RSD
 Hg .079 .200 ppb .000
 *** Sample ID: Seq: 65 16:03:51 23 Sep 11 HG
 460-31466-A-4-D@2
 Hg 7.05 ppb .000 7.05
 *** Sample ID: Seq: 66 16:05:36 23 Sep 11 HG
 460-31466-A-5-D
 Hg 2.40 ppb .000 2.40

=====

*** Sample ID: sd 460-314 Seq: 67 16:07:34 23 Sep 11 HG
 66-A-3-I@50
 Hg .556 ppb .000 .556

*** Check Standard: 2 Ck2ACCV Seq: 68 16:09:29 23 Sep 11 HG
 Line Flag %Rcv. Found True Units SD/RSD
 Hg 102. 5.09 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 69 16:11:20 23 Sep 11 HG
 Line Flag Found Range(+/-) Units SD/RSD
 Hg .059 .200 ppb .000



Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1				Seq: 15		14:29:53	23 Sep 11	HG
Hg	.000	ppb	771					
		Bkgd 1	6614232					
*** Standard: 2 Rep: 1				Seq: 16		14:31:42	23 Sep 11	HG
Hg	.100	ppb	6112					
		Bkgd 1	6616092					
*** Standard: 3 Rep: 1				Seq: 17		14:33:26	23 Sep 11	HG
Hg	1.00	ppb	43282					
		Bkgd 1	6617777					
*** Standard: 4 Rep: 1				Seq: 18		14:35:13	23 Sep 11	HG
Hg	2.00	ppb	82229					
		Bkgd 1	6616528					
*** Standard: 5 Rep: 1				Seq: 19		14:37:10	23 Sep 11	HG
Hg	5.00	ppb	209533					
		Bkgd 1	6617056					
*** Standard: 6 Rep: 1				Seq: 20		14:38:55	23 Sep 11	HG
Hg	10.0	ppb	403030					
		Bkgd 1	6614345					
*** Check Standard: 3			Ck3AICV	Seq: 21		14:41:10	23 Sep 11	HG
Line Flag			Intensities					
Hg			208966					
		Bkgd 1	6614904					
*** Check Standard: 1			Ck1ICB/CCB	Seq: 22		14:43:05	23 Sep 11	HG
Line Flag			Intensities					
Hg			2279					
		Bkgd 1	6615169					
*** Sample ID:				Seq: 23		14:44:59	23 Sep 11	HG
			MB 460-87088/1-A					
Hg	.030	ppb	3757					
		Bkgd 1	6615427					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: LCSSRM 460				Seq: 24		14:46:57	23 Sep 11	HG
			-87088/2-A@10					
Hg	5.27	ppb	215104					
		Bkgd 1	6614672					

*** Sample ID: Seq: 25 14:49:11 23 Sep 11 HG
460-31466-A-3-I
Hg 29.8 ppb 1204766
Bkgd 1 6615128

=
=

*** Sample ID: Seq: 26 14:51:10 23 Sep 11 HG
460-31466-A-3-J DU
Hg 29.1 ppb 1177112
Bkgd 1 6605987

=
=

*** Sample ID: Seq: 27 14:52:54 23 Sep 11 HG
460-31466-A-3-K MS
Hg 31.5 ppb 1271380
Bkgd 1 6598752

=
=

*** Sample ID: Seq: 28 14:54:41 23 Sep 11 HG
460-31466-A-1-D
Hg 48.5 ppb 1957941
Bkgd 1 6601335

=
=

*** Sample ID: Seq: 29 14:56:30 23 Sep 11 HG
460-31466-A-11-D
Hg 2.38 ppb 98351
Bkgd 1 6596162

=
=

*** Sample ID: Seq: 30 14:58:20 23 Sep 11 HG
460-31466-A-12-D
Hg 42.6 ppb 1718307
Bkgd 1 6608975

=
=

*** Check Standard: 2 Ck2ACCV Seq: 31 15:00:25 23 Sep 11 HG
Line Flag Intensities
Hg 209796
Bkgd 1 6602830

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=

*** Check Standard: 1 Ck1ICB/CCB Seq: 32 15:02:14 23 Sep 11 HG
Line Flag Intensities
Hg 2099
Bkgd 1 6610760

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=

Folder: 87088hg1
Protocol: SW846A
POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 33 15:04:01 23 Sep 11 HG
460-31466-A-13-D
Hg 38.3 ppb 1547427
Bkgd 1 6611610

=
=

*** Sample ID: Seq: 34 15:06:06 23 Sep 11 HG
460-31466-A-14-D
Hg 12.7 ppb 512798
Bkgd 1 6608140

=
=

*** Sample ID: Seq: 35 15:07:51 23 Sep 11 HG
460-31466-A-15-D
Hg 13.0 ppb 524795
Bkgd 1 6607693

=
=

*** Sample ID: Seq: 36 15:09:40 23 Sep 11 HG
460-31466-A-16-D
Hg 17.1 ppb 691851

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$$\begin{array}{c} \text{---} \\ \text{---} \\ \text{---} \\ \text{---} \end{array}$$
$$\begin{array}{c} \text{---} \\ \text{---} \\ \text{---} \\ \text{---} \end{array}$$
$$=$$

99

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5

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11

Page 865 of 885

10/26/2011

460-31428-A-11-D

Hg .160 ppb 8977
Bkgd 1 6600250

*** Sample ID: Seq: 49 15:33:50 23 Sep 11 HG

460-31428-A-12-D

Hg .198 ppb 10524
Bkgd 1 6604557

*** Sample ID: Seq: 50 15:35:36 23 Sep 11 HG

sd 460-31466-A-3-I@5

Hg 5.07 ppb 207101
Bkgd 1 6604139

Folder: 87088hg1
Protocol: SW846A
POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 2			Ck2ACCV	Seq: 51		15:37:31	23 Sep 11	HG
Line Flag			Intensities					
Hg			211669					
		Bkgd 1	6602442					
*** Check Standard: 1			Ck1ICB/CCB	Seq: 52		15:39:24	23 Sep 11	HG
Line Flag			Intensities					
Hg			2333					
		Bkgd 1	6604888					
*** Sample ID:				Seq: 53		15:41:13	23 Sep 11	HG
			460-31466-A-3-I@10					
Hg	3.28	ppb	134875					
		Bkgd 1	6605785					
*** Sample ID: 460-31466-				Seq: 54		15:43:20	23 Sep 11	HG
			A-3-J DU@10					
Hg	3.21	ppb	131948					
		Bkgd 1	6604205					
*** Sample ID: 460-31466-				Seq: 55		15:45:04	23 Sep 11	HG
			A-3-K MS@10					
Hg	3.43	ppb	141003					
		Bkgd 1	6604621					
*** Sample ID:				Seq: 56		15:47:20	23 Sep 11	HG
			460-31466-A-1-D@10					
Hg	5.72	ppb	233074					
		Bkgd 1	6603863					
*** Sample ID:				Seq: 57		15:49:07	23 Sep 11	HG
			460-31466-A-11-D					
Hg	2.58	ppb	106525					
		Bkgd 1	6603285					
*** Sample ID:				Seq: 58		15:51:02	23 Sep 11	HG
			460-31466-A-12-D@10					
Hg	5.04	ppb	205687					
		Bkgd 1	6602741					
*** Sample ID:				Seq: 59		15:52:50	23 Sep 11	HG
			460-31466-A-13-D@10					

Page 866 of 885

10/26/2011

Hg 4.40 ppb 180036
Bkgd 1 6604130

Folder: 87088hg1
Protocol: SW846A
POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 60 15:55:00 23 Sep 11 HG
460-31466-A-14-D@2

Hg 6.56 ppb 267041
Bkgd 1 6606785

*** Sample ID: Seq: 61 15:56:47 23 Sep 11 HG
460-31466-A-15-D@2

Hg 6.60 ppb 268799
Bkgd 1 6605860

*** Sample ID: Seq: 62 15:58:32 23 Sep 11 HG
460-31466-A-16-D@3

Hg 5.95 ppb 242420
Bkgd 1 6605601

*** Check Standard: 2 Ck2ACCV Seq: 63 16:00:17 23 Sep 11 HG
Line Flag Intensities

Hg Bkgd 1 211826
6604528

*** Check Standard: 1 Ck1ICB/CCB Seq: 64 16:02:03 23 Sep 11 HG
Line Flag Intensities

Hg Bkgd 1 5733
6605777

*** Sample ID: Seq: 65 16:03:51 23 Sep 11 HG
460-31466-A-4-D@2

Hg 7.05 ppb 286909
Bkgd 1 6604771

*** Sample ID: Seq: 66 16:05:36 23 Sep 11 HG
460-31466-A-5-D

Hg 2.40 ppb 99489
Bkgd 1 6601808

*** Sample ID: sd 460-314 Seq: 67 16:07:34 23 Sep 11 HG
66-A-3-I@50

Hg .556 ppb 24961
Bkgd 1 6603177

*** Check Standard: 2 Ck2ACCV Seq: 68 16:09:29 23 Sep 11 HG
Line Flag Intensities

Hg Bkgd 1 207898
6603179

Folder: 87088hg1
Protocol: SW846A
POST-RUN REPORT

Page 1999

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1ICB/CCB Seq: 69 16:11:20 23 Sep 11 HG
Line Flag Intensities

Hg 4904

Bkgd 1 6604899

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=

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Batch Number: 87517 Batch Start Date: 09/28/11 07:59 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 09/28/11 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00026	ME_LCSS_62 00013		
MB 460-87517/1		3050B, 6010B		1.00 g	50 mL				
LCSSRM 460-87517/2		3050B, 6010B		1.00 g	50 mL		1 g		
460-31616-F-1 DU		3050B, 6010B	T	1.04 g	50 mL				
460-31616-F-1 MS		3050B, 6010B	T	1.07 g	50 mL	2 mL			
460-31328-D-5	SO-17338-091511- MM-015	3050B, 6010B	T	1.04 g	50 mL				
460-31328-D-7	SO-17338-091511- MM-017	3050B, 6010B	T	1.05 g	50 mL				

Batch Notes	
Balance ID	35
Hydrogen peroxide lot number	K11J09
Lot # of hydrochloric acid	K14068
Logbook ID for diluted Nitric	MPR180
Lot # of Nitric Acid	K15028
Hood ID or number	8
Hot Block ID number	1
Pipette ID	25
Temperature	95 Degrees C
ID number of the thermometer	ICP-3

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Batch Number: 87023 Batch Start Date: 09/22/11 17:00 Batch Analyst: Staib, ThomasBatch Method: 7471A Batch End Date: 09/22/11 19:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DQCS-INT 00325			
ICV 460-87023/7		7471A, 7471A		0.60 g	100 mL	5 mL			
CCV 460-87023/8		7471A, 7471A		0.60 g	100 mL	5 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	J52473
Balance ID	#35
Batch Comment	Autoclave Pressure 15 LBS
Blank Soil Lot Number	D062-540
Sulfuric Acid Lot Number	K03051
Lot # of hydrochloric acid	HgR01369
Lot # of Nitric Acid	K15028
Hood ID or number	#1
Potassium Permanganate Lot Number	HgR01371
NaCL Lot #	J15605
Oven, Bath or Block Temperature 1	Autoclave Temperature 121 Degrees Celcius
Pipette ID	#25
Stannous Chloride Lot Number	HgR01368
ID number of the thermometer	Prep-1

Basis	Basis Description

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Batch Number: 87024 Batch Start Date: 09/22/11 17:30 Batch Analyst: Staib, ThomasBatch Method: 7471A Batch End Date: 09/22/11 19:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00632	ME_LCSS_62 00014		
MB 460-87024/10		7471A, 7471A		0.60 g	100 mL				
LCSSRM 460-87024/11		7471A, 7471A		0.60 g	100 mL		0.6 g		
460-31418-A-1 DU		7471A, 7471A	T	0.60 g	100 mL				
460-31418-A-1 MS		7471A, 7471A	T	0.60 g	100 mL	1 mL			
460-31328-D-5	SO-17338-091511- MM-015	7471A, 7471A	T	0.62 g	100 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	J52473
Balance ID	#35
Batch Comment	Autoclave Pressure 15 LBS
Blank Soil Lot Number	D062-540
Sulfuric Acid Lot Number	K03051
Lot # of hydrochloric acid	HgR01369
Lot # of Nitric Acid	K15028
Hood ID or number	#1
Potassium Permanganate Lot Number	HgR01371
NaCL Lot #	J15605
Oven, Bath or Block Temperature 1	Autoclave Temperature 121 Degrees Celcius
Pipette ID	#25
Stannous Chloride Lot Number	HgR01368
ID number of the thermometer	Prep-1

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Batch Number: 87088 Batch Start Date: 09/23/11 10:23 Batch Analyst: Sheikh, Razia BBatch Method: 7471A Batch End Date: 09/23/11 10:38

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DQCS-INT 00326	ME_LCSS_62 00014		
MB 460-87088/1		7471A, 7471A		0.60 g	100 mL				
LCSSRM 460-87088/2		7471A, 7471A		0.60 g	100 mL		0.6 g		
460-31328-D-7	SO-17338-091511-MM-017	7471A, 7471A	T	0.61 g	100 mL				
ICV 460-87088/30		7471A, 7471A		0.60 g	100 mL	5 mL			
CCV 460-87088/31		7471A, 7471A		0.60 g	100 mL	5 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr01365
Balance ID	33
Sulfuric Acid Lot Number	k03051
Lot # of hydrochloric acid	hgr01366
Lot # of Nitric Acid	k15028
Hood ID or number	1
Potassium Permanganate Lot Number	hgr01364
NaCL Lot #	hgr01365
Oven, Bath or Block Temperature 1	121c
Pipette ID	3
Stannous Chloride Lot Number	hgr01367

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-31328-1

SDG No.: _____

Project: Former GM

Client Sample ID	Lab Sample ID
<u>SO-17338-091511-MM-011</u>	<u>460-31328-1</u>
<u>SO-17338-091511-MM-012</u>	<u>460-31328-2</u>
<u>SO-17338-091511-MM-013</u>	<u>460-31328-3</u>
<u>SO-17338-091511-MM-014</u>	<u>460-31328-4</u>
<u>SO-17338-091511-MM-015</u>	<u>460-31328-5</u>
<u>SO-17338-091511-MM-016</u>	<u>460-31328-6</u>
<u>SO-17338-091511-MM-017</u>	<u>460-31328-7</u>
<u>SO-17338-091511-MM-018</u>	<u>460-31328-8</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-31328-1
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: 460-31328-1
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.: 460-31328-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/21/2011 12:58 End Date: 09/22/2011 00:37

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/21/2011 12:58 End Date: 09/22/2011 00:37

Lab Sample ID	D / F	T y p e	Time	Analytes																				
				% S o l	M o i s t																			
460-31328-2	1	T	13:51	X	X																			
460-31328-3	1	T	13:51	X	X																			
460-31328-4	1	T	13:51	X	X																			
460-31328-5	1	T	13:51	X	X																			
460-31328-6	1	T	13:51	X	X																			
460-31328-7	1	T	13:51	X	X																			
460-31328-8	1	T	13:51	X	X																			
ZZZZZZ			13:51																					
ZZZZZZ			13:51																					
ZZZZZZ			13:51																					
ZZZZZZ			13:51																					
ZZZZZZ			14:33																					
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/21/2011 12:58 End Date: 09/22/2011 00:37

Lab Sample ID	D / F	T y p e	Time	Analytes															
				% S o l	M o i s t														
ZZZZZZ			15:25																
ZZZZZZ			15:59																
ZZZZZZ			15:59																
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ZZZZZZ			15:59																
ZZZZZZ			15:59																
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/21/2011 12:58 End Date: 09/22/2011 00:37

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/21/2011 12:58 End Date: 09/22/2011 00:37

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			00:36																		
ZZZZZZ			00:36																		
ZZZZZZ			00:36																		
ZZZZZZ			00:36																		
ZZZZZZ			00:36																		
ZZZZZZ			00:36																		
ZZZZZZ			00:36																		
ZZZZZZ			00:36																		
ZZZZZZ			00:37																		

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-31328-1

SDG No.: _____

Batch Number: 86809 Batch Start Date: 09/21/11 12:58 Batch Analyst: Armbruster, ChrisBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-31340-D-10 DU		Moisture	T	41	1.00 g	6.21 g	5.26 g		
460-31328-A-1	SO-17338-091511-MM-011	Moisture	T	42	1.06 g	6.05 g	5.60 g		
460-31328-A-2	SO-17338-091511-MM-012	Moisture	T	43	1.04 g	6.02 g	5.17 g		
460-31328-A-3	SO-17338-091511-MM-013	Moisture	T	44	1.03 g	6.21 g	5.62 g		
460-31328-A-4	SO-17338-091511-MM-014	Moisture	T	45	1.03 g	6.55 g	5.69 g		
460-31328-A-5	SO-17338-091511-MM-015	Moisture	T	46	1.02 g	6.02 g	5.34 g		
460-31328-A-6	SO-17338-091511-MM-016	Moisture	T	47	1.02 g	7.28 g	6.32 g		
460-31328-A-7	SO-17338-091511-MM-017	Moisture	T	48	0.99 g	6.11 g	5.43 g		
460-31328-A-8	SO-17338-091511-MM-018	Moisture	T	49	0.99 g	6.22 g	5.52 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	9/21/11
Oven Temp when samples are put in oven	105, 104 Degrees C
Date samples were removed from oven	9/22/11
Oven Temp when samples removed from oven	102, 100 Degrees C
Time Samples were removed from oven	10:01
Oven ID	1, 2
ID number of the thermometer	1895, 1840

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) CH2S BOON		Samplers Name (Printed) M. Mylet		Site/Project Identification FORMER GM	
Company CHA		P.O. # 017338		State (Location of site): NJ: ☐ NY: ☐ Other: DE	
Address		Analysis Turnaround Time Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program: PAUSE	
City BUFFALO	State NY	LAB USE ONLY Project No:		Job No: 460-31328	
Phone 716-856-2142	Fax	Sample Identification		Sample Numbers	
Date		Time	Matrix	No. of Cont.	
SO-17338-09151-MM-011		0920	Soil	3	1
SO-17338-09151-MM-012		0936		3	2
SO-17338-09151-MM-013		1020		3	3
SO-17338-09151-MM-014		1030		3	4
SO-17338-09151-MM-015		1110		3	5
SO-17338-09151-MM-016		1115		3	6
SO-17338-09151-MM-017		1315		3	7
SO-17338-09151-MM-018		1445		3	8
MIP BIONK				2	9
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH					
6 = Other <u> </u> 7 = Other <u> </u>					
Soil: <u> </u> Water: <u> </u>					

Special Instructions **ALL SAMPLES ON HOLD**

Relinquished by [Signature]	Company CHA	Date / Time 09/11/11 6:01	Received by [Signature]	Company CHA
Relinquished by [Signature]	Company CHA	Date / Time 9-19-11 10:40	Received by [Signature]	Company CHA
Relinquished by [Signature]	Company CHA	Date / Time 9-19-11 12:00	Received by [Signature]	Company CHA
Relinquished by [Signature]	Company CHA	Date / Time 9/19/11 1:55	Received by [Signature]	Company CHA

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

Custody Seal # 401470

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-31328-1

Login Number: 31328

List Source: TestAmerica Edison

List Number: 1

Creator: Villadarez, Gerson Timothy S

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.	True	401470
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	2.1°C 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.	True	
Residual Chlorine Checked.	True	