

ANALYTICAL REPORT

Job Number: 460-41546-1

Job Description: C360112. Mt.Kisko, NY

For:

Carlin, Simpson and Associates

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CASE NARRATIVE

Client: Carlin, Simpson and Associates

Project: C360112. Mt.Kisko, NY

Report Number: 460-41546-1

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 6/20/2012 5:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° 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 460-41546-1 through 460-41546-23 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 06/28/2012 and analyzed on 06/28/2012 and 06/29/2012.

The matrix duplicate %RPD for chromium associated with batch 117772 was outside the control limits.

The matrix spike (MS) recoveries for chromium, manganese, antimony in batch 117772 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The matrix spike (MS) recoveries for antimony in batch 117773 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

Samples 460-41546-1(4X), 460-41546-2(4X), 460-41546-3(10X) and 460-41546-3 through 460-41546-23(4X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples 460-41546-1 through 460-41546-23 were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 06/22/2012.

Samples 460-41546-2(3X), 460-41546-15(2X) and 460-41546-16(3X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Hg analyses.

All quality control parameters were within the acceptance limits.

ORGANOCHLORINE PESTICIDES

Samples 460-41546-17 through 460-41546-23 were analyzed for organochlorine pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 06/22/2012 and analyzed on 06/25/2012.

No difficulties were encountered during the pesticides analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples 460-41546-17 through 460-41546-23 were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 06/22/2012 and analyzed on 06/24/2012.

The continuing calibration verification (CCVRT) for analytical batch 117335 exceeded control criteria for surrogate DCB on the secondary column. Results are within control limits on the primary column. The data have been qualified and reported

No difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-41546-17 through 460-41546-23 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 06/20/2012 and analyzed on 06/28/2012.

Methylene Chloride was detected in method blank LB3 460-116894/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Acetone was detected in method blank LB3 460-116894/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Methylene Chloride was detected in method blank MB 460-117776/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

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

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 117776 were outside control limits for Methyl acetate. The MS recoveries were also outside control limits for 2-Butanone. The associated laboratory control sample (LCS) recoveries met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-41546-17 through 460-41546-23 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 06/22/2012 and analyzed on 06/25/2012 and 06/26/2012.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 117106 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The laboratory control sample (LCS) for batch 117111 was outside advisory limits for the following analytes:
1,2,4,5-Tetrachlorobenzene.

The following samples were diluted due to abundance of target analytes: CD_GF_39-AX-AY-0 (460-41556-10), CD_GF_39-AX-AY-0 (460-41556-10 MS), CD_GF_39-AX-AY-0 (460-41556-10 MSD). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

The following sample was diluted due to abundance of target analytes CD_GF_39-AX-AY-0 (460-41556-10), CD_GF_39-AX-AY-0 (460-41556-10 MS), CD_GF_39-AX-AY-0 (460-41556-10 MSD). As such, surrogate and spike recoveries were diluted out and are not reported. The associated laboratory control sample (LCS) met acceptance criteria.

Due to the high concentration of Bis(2-ethylhexyl)phthalate the matrix spike / matrix spike duplicate (MS/MSD) for batch 117111 could

not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples 460-41546-1 through 460-41546-23 were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 07/01/2012, 07/02/2012 and 07/03/2012.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples 460-41546-1 through 460-41546-23 were analyzed for percent solids in accordance with D2974-87 Modified by ASTM. The samples were analyzed on 06/21/2012 and 06/22/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-41546-1	PH-1	Solid	06/20/2012 0925	06/20/2012 1740
460-41546-2	PH-2	Solid	06/20/2012 0929	06/20/2012 1740
460-41546-3	PH-3	Solid	06/20/2012 0932	06/20/2012 1740
460-41546-4	PH-4	Solid	06/20/2012 0934	06/20/2012 1740
460-41546-5	PH-5	Solid	06/20/2012 1010	06/20/2012 1740
460-41546-6	PH-6	Solid	06/20/2012 1014	06/20/2012 1740
460-41546-7	PH-7	Solid	06/20/2012 1016	06/20/2012 1740
460-41546-8	PH-8	Solid	06/20/2012 1018	06/20/2012 1740
460-41546-9	PH-9	Solid	06/20/2012 1105	06/20/2012 1740
460-41546-10	PH-10	Solid	06/20/2012 1108	06/20/2012 1740
460-41546-11	PH-11	Solid	06/20/2012 1110	06/20/2012 1740
460-41546-12	PH-12	Solid	06/20/2012 1112	06/20/2012 1740
460-41546-13	PH-13	Solid	06/20/2012 1150	06/20/2012 1740
460-41546-14	PH-14	Solid	06/20/2012 1153	06/20/2012 1740
460-41546-15	PH-15	Solid	06/20/2012 1155	06/20/2012 1740
460-41546-16	PH-16	Solid	06/20/2012 1157	06/20/2012 1740
460-41546-17	F-8	Solid	06/20/2012 1305	06/20/2012 1740
460-41546-18	F-9	Solid	06/20/2012 1314	06/20/2012 1740
460-41546-19	F-10	Solid	06/20/2012 1348	06/20/2012 1740
460-41546-20	F-11	Solid	06/20/2012 1352	06/20/2012 1740
460-41546-21	F-12	Solid	06/20/2012 1510	06/20/2012 1740
460-41546-21MS	F-12	Solid	06/20/2012 1510	06/20/2012 1740
460-41546-21MSD	F-12	Solid	06/20/2012 1510	06/20/2012 1740
460-41546-21DU	F-12	Solid	06/20/2012 1510	06/20/2012 1740
460-41546-22	F-13	Solid	06/20/2012 1520	06/20/2012 1740
460-41546-23	FB-E	Solid	06/20/2012 0000	06/20/2012 1740

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-1	PH-1					
Aluminum		7570		43.4	mg/Kg	6010B
Arsenic		1.6		1.1	mg/Kg	6010B
Barium		51.4		43.4	mg/Kg	6010B
Calcium		1950		1090	mg/Kg	6010B
Chromium		14.5		2.2	mg/Kg	6010B
Cobalt		6.1	J	10.9	mg/Kg	6010B
Copper		13.6		5.4	mg/Kg	6010B
Iron		12600		32.6	mg/Kg	6010B
Lead		6.0		1.1	mg/Kg	6010B
Magnesium		3270		1090	mg/Kg	6010B
Manganese		204		3.3	mg/Kg	6010B
Nickel		12.5		8.7	mg/Kg	6010B
Potassium		1390		1090	mg/Kg	6010B
Vanadium		18.3		10.9	mg/Kg	6010B
Zinc		27.3		6.5	mg/Kg	6010B
Percent Moisture		9.7		1.0	%	Moisture
Percent Solids		90.3		1.0	%	Moisture
460-41546-2	PH-2					
Aluminum		7770		43.1	mg/Kg	6010B
Arsenic		2.0		1.1	mg/Kg	6010B
Barium		125		43.1	mg/Kg	6010B
Cadmium		0.36	J	1.1	mg/Kg	6010B
Calcium		1530		1080	mg/Kg	6010B
Chromium		18.8		2.2	mg/Kg	6010B
Cobalt		4.6	J	10.8	mg/Kg	6010B
Copper		46.5		5.4	mg/Kg	6010B
Iron		13000		32.4	mg/Kg	6010B
Lead		107		1.1	mg/Kg	6010B
Magnesium		2910		1080	mg/Kg	6010B
Manganese		115		3.2	mg/Kg	6010B
Nickel		12.4		8.6	mg/Kg	6010B
Potassium		1300		1080	mg/Kg	6010B
Silver		2.5		2.2	mg/Kg	6010B
Vanadium		20.1		10.8	mg/Kg	6010B
Zinc		98.9		6.5	mg/Kg	6010B
Mercury		2.8		0.10	mg/Kg	7471A
Percent Moisture		12.5		1.0	%	Moisture
Percent Solids		87.5		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-3	PH-3					
Aluminum		9590		48.9	mg/Kg	6010B
Arsenic		14.1		1.2	mg/Kg	6010B
Barium		90.4		48.9	mg/Kg	6010B
Cadmium		1.8		1.2	mg/Kg	6010B
Calcium		3280		1220	mg/Kg	6010B
Chromium		30.3		2.4	mg/Kg	6010B
Cobalt		18.0		12.2	mg/Kg	6010B
Copper		49.5		6.1	mg/Kg	6010B
Iron		70100		91.7	mg/Kg	6010B
Lead		31.3		1.2	mg/Kg	6010B
Magnesium		3070		1220	mg/Kg	6010B
Manganese		530		3.7	mg/Kg	6010B
Nickel		29.0		9.8	mg/Kg	6010B
Potassium		949	J	1220	mg/Kg	6010B
Vanadium		28.5		12.2	mg/Kg	6010B
Zinc		622		7.3	mg/Kg	6010B
Mercury		0.24		0.045	mg/Kg	7471A
Percent Moisture		26.3		1.0	%	Moisture
Percent Solids		73.7		1.0	%	Moisture
460-41546-4	PH-4					
Aluminum		6160		44.5	mg/Kg	6010B
Antimony		1.9	J	2.2	mg/Kg	6010B
Arsenic		3.3		1.1	mg/Kg	6010B
Barium		53.0		44.5	mg/Kg	6010B
Cadmium		0.16	J	1.1	mg/Kg	6010B
Calcium		2640		1110	mg/Kg	6010B
Chromium		16.6		2.2	mg/Kg	6010B
Cobalt		8.8	J	11.1	mg/Kg	6010B
Copper		15.9		5.6	mg/Kg	6010B
Iron		10500		33.4	mg/Kg	6010B
Lead		5.3		1.1	mg/Kg	6010B
Magnesium		3180		1110	mg/Kg	6010B
Manganese		162		3.3	mg/Kg	6010B
Nickel		17.1		8.9	mg/Kg	6010B
Potassium		1100	J	1110	mg/Kg	6010B
Vanadium		23.7		11.1	mg/Kg	6010B
Zinc		27.8		6.7	mg/Kg	6010B
Percent Moisture		18.2		1.0	%	Moisture
Percent Solids		81.8		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-5	PH-5					
Aluminum		6360		38.5	mg/Kg	6010B
Arsenic		1.1		0.96	mg/Kg	6010B
Barium		58.2		38.5	mg/Kg	6010B
Calcium		2630		962	mg/Kg	6010B
Chromium		15.6		1.9	mg/Kg	6010B
Cobalt		5.9	J	9.6	mg/Kg	6010B
Copper		14.3		4.8	mg/Kg	6010B
Iron		12900		28.9	mg/Kg	6010B
Lead		3.8		0.96	mg/Kg	6010B
Magnesium		3540		962	mg/Kg	6010B
Manganese		186		2.9	mg/Kg	6010B
Nickel		12.9		7.7	mg/Kg	6010B
Potassium		1910		962	mg/Kg	6010B
Vanadium		19.5		9.6	mg/Kg	6010B
Zinc		26.4		5.8	mg/Kg	6010B
Percent Moisture		5.5		1.0	%	Moisture
Percent Solids		94.5		1.0	%	Moisture
460-41546-6	PH-6					
Aluminum		7990		40.7	mg/Kg	6010B
Arsenic		1.6		1.0	mg/Kg	6010B
Barium		65.9		40.7	mg/Kg	6010B
Calcium		1530		1020	mg/Kg	6010B
Chromium		16.8		2.0	mg/Kg	6010B
Cobalt		6.7	J	10.2	mg/Kg	6010B
Copper		16.4		5.1	mg/Kg	6010B
Iron		13700		30.5	mg/Kg	6010B
Lead		5.3		1.0	mg/Kg	6010B
Magnesium		3900		1020	mg/Kg	6010B
Manganese		265		3.1	mg/Kg	6010B
Nickel		14.3		8.1	mg/Kg	6010B
Potassium		1990		1020	mg/Kg	6010B
Vanadium		21.8		10.2	mg/Kg	6010B
Zinc		36.3		6.1	mg/Kg	6010B
Percent Moisture		11.4		1.0	%	Moisture
Percent Solids		88.6		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-7	PH-7					
Aluminum		13800		51.6	mg/Kg	6010B
Arsenic		2.1		1.3	mg/Kg	6010B
Barium		102		51.6	mg/Kg	6010B
Cadmium		0.20	J	1.3	mg/Kg	6010B
Calcium		2340		1290	mg/Kg	6010B
Chromium		29.5		2.6	mg/Kg	6010B
Cobalt		7.9	J	12.9	mg/Kg	6010B
Copper		14.6		6.4	mg/Kg	6010B
Iron		20300		38.7	mg/Kg	6010B
Lead		10.6		1.3	mg/Kg	6010B
Magnesium		4300		1290	mg/Kg	6010B
Manganese		369		3.9	mg/Kg	6010B
Nickel		17.1		10.3	mg/Kg	6010B
Potassium		1040	J	1290	mg/Kg	6010B
Vanadium		39.6		12.9	mg/Kg	6010B
Zinc		46.0		7.7	mg/Kg	6010B
Mercury		0.038	J	0.042	mg/Kg	7471A
Percent Moisture		26.2		1.0	%	Moisture
Percent Solids		73.8		1.0	%	Moisture
460-41546-8	PH-8					
Aluminum		13800		43.3	mg/Kg	6010B
Arsenic		2.6		1.1	mg/Kg	6010B
Barium		102		43.3	mg/Kg	6010B
Beryllium		0.16	J	0.43	mg/Kg	6010B
Cadmium		0.17	J	1.1	mg/Kg	6010B
Calcium		2060		1080	mg/Kg	6010B
Chromium		29.8		2.2	mg/Kg	6010B
Cobalt		11.2		10.8	mg/Kg	6010B
Copper		16.8		5.4	mg/Kg	6010B
Iron		20600		32.4	mg/Kg	6010B
Lead		7.6		1.1	mg/Kg	6010B
Magnesium		5110		1080	mg/Kg	6010B
Manganese		241		3.2	mg/Kg	6010B
Nickel		20.3		8.7	mg/Kg	6010B
Potassium		1600		1080	mg/Kg	6010B
Vanadium		40.3		10.8	mg/Kg	6010B
Zinc		59.5		6.5	mg/Kg	6010B
Percent Moisture		18.2		1.0	%	Moisture
Percent Solids		81.8		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

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Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-9	PH-9					
Aluminum		8230		40.9	mg/Kg	6010B
Arsenic		2.2		1.0	mg/Kg	6010B
Barium		49.9		40.9	mg/Kg	6010B
Beryllium		0.15	J	0.41	mg/Kg	6010B
Calcium		1490		1020	mg/Kg	6010B
Chromium		14.3		2.0	mg/Kg	6010B
Cobalt		5.8	J	10.2	mg/Kg	6010B
Copper		12.5		5.1	mg/Kg	6010B
Iron		12300		30.7	mg/Kg	6010B
Lead		5.6		1.0	mg/Kg	6010B
Magnesium		2720		1020	mg/Kg	6010B
Manganese		225		3.1	mg/Kg	6010B
Nickel		12.3		8.2	mg/Kg	6010B
Potassium		1070		1020	mg/Kg	6010B
Vanadium		17.9		10.2	mg/Kg	6010B
Zinc		27.4		6.1	mg/Kg	6010B
Percent Moisture		8.6		1.0	%	Moisture
Percent Solids		91.4		1.0	%	Moisture
460-41546-10	PH-10					
Aluminum		5090		42.6	mg/Kg	6010B
Arsenic		1.2		1.1	mg/Kg	6010B
Barium		71.4		42.6	mg/Kg	6010B
Cadmium		0.22	J	1.1	mg/Kg	6010B
Calcium		1310		1060	mg/Kg	6010B
Chromium		12.7		2.1	mg/Kg	6010B
Cobalt		4.4	J	10.6	mg/Kg	6010B
Copper		29.7		5.3	mg/Kg	6010B
Iron		11900		31.9	mg/Kg	6010B
Lead		37.8		1.1	mg/Kg	6010B
Magnesium		2420		1060	mg/Kg	6010B
Manganese		110		3.2	mg/Kg	6010B
Nickel		9.4		8.5	mg/Kg	6010B
Potassium		1300		1060	mg/Kg	6010B
Silver		3.3		2.1	mg/Kg	6010B
Vanadium		15.8		10.6	mg/Kg	6010B
Zinc		65.4		6.4	mg/Kg	6010B
Mercury		0.65		0.034	mg/Kg	7471A
Percent Moisture		12.2		1.0	%	Moisture
Percent Solids		87.8		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-11	PH-11					
Aluminum		19900		51.1	mg/Kg	6010B
Arsenic		3.2		1.3	mg/Kg	6010B
Barium		129		51.1	mg/Kg	6010B
Beryllium		0.47	J	0.51	mg/Kg	6010B
Calcium		1890		1280	mg/Kg	6010B
Chromium		40.2		2.6	mg/Kg	6010B
Cobalt		9.8	J	12.8	mg/Kg	6010B
Copper		11.8		6.4	mg/Kg	6010B
Iron		29600		38.3	mg/Kg	6010B
Lead		10.3		1.3	mg/Kg	6010B
Magnesium		4260		1280	mg/Kg	6010B
Manganese		356		3.8	mg/Kg	6010B
Nickel		20.8		10.2	mg/Kg	6010B
Potassium		516	J	1280	mg/Kg	6010B
Vanadium		60.8		12.8	mg/Kg	6010B
Zinc		64.4		7.7	mg/Kg	6010B
Mercury		0.062		0.043	mg/Kg	7471A
Percent Moisture		28.9		1.0	%	Moisture
Percent Solids		71.1		1.0	%	Moisture
460-41546-12	PH-12					
Aluminum		5090		45.6	mg/Kg	6010B
Barium		42.2	J	45.6	mg/Kg	6010B
Calcium		1760		1140	mg/Kg	6010B
Chromium		12.4		2.3	mg/Kg	6010B
Cobalt		4.6	J	11.4	mg/Kg	6010B
Copper		9.2		5.7	mg/Kg	6010B
Iron		8140		34.2	mg/Kg	6010B
Lead		3.0		1.1	mg/Kg	6010B
Magnesium		2300		1140	mg/Kg	6010B
Manganese		87.6		3.4	mg/Kg	6010B
Nickel		8.8	J	9.1	mg/Kg	6010B
Potassium		1020	J	1140	mg/Kg	6010B
Vanadium		17.2		11.4	mg/Kg	6010B
Zinc		21.9		6.8	mg/Kg	6010B
Percent Moisture		16.4		1.0	%	Moisture
Percent Solids		83.6		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-13	PH-13					
Aluminum		6470		38.9	mg/Kg	6010B
Arsenic		1.6		0.97	mg/Kg	6010B
Barium		56.9		38.9	mg/Kg	6010B
Calcium		2750		973	mg/Kg	6010B
Chromium		15.0		1.9	mg/Kg	6010B
Cobalt		5.8	J	9.7	mg/Kg	6010B
Copper		14.9		4.9	mg/Kg	6010B
Iron		12900		29.2	mg/Kg	6010B
Lead		4.2		0.97	mg/Kg	6010B
Magnesium		3600		973	mg/Kg	6010B
Manganese		186		2.9	mg/Kg	6010B
Nickel		12.4		7.8	mg/Kg	6010B
Potassium		1690		973	mg/Kg	6010B
Vanadium		19.8		9.7	mg/Kg	6010B
Zinc		25.2		5.8	mg/Kg	6010B
Cyanide, Total		0.13	J	0.53	mg/Kg	9012A
Percent Moisture		5.8		1.0	%	Moisture
Percent Solids		94.2		1.0	%	Moisture
460-41546-14	PH-14					
Aluminum		11100		48.3	mg/Kg	6010B
Arsenic		1.5		1.2	mg/Kg	6010B
Barium		112		48.3	mg/Kg	6010B
Cadmium		0.30	J	1.2	mg/Kg	6010B
Calcium		2540		1210	mg/Kg	6010B
Chromium		27.9		2.4	mg/Kg	6010B
Cobalt		6.4	J	12.1	mg/Kg	6010B
Copper		96.8		6.0	mg/Kg	6010B
Iron		17400		36.2	mg/Kg	6010B
Lead		55.7		1.2	mg/Kg	6010B
Magnesium		4250		1210	mg/Kg	6010B
Manganese		168		3.6	mg/Kg	6010B
Nickel		16.7		9.7	mg/Kg	6010B
Potassium		1360		1210	mg/Kg	6010B
Silver		2.1	J	2.4	mg/Kg	6010B
Vanadium		29.6		12.1	mg/Kg	6010B
Zinc		120		7.2	mg/Kg	6010B
Mercury		1.7		0.041	mg/Kg	7471A
Percent Moisture		18.8		1.0	%	Moisture
Percent Solids		81.2		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-15	PH-15					
Aluminum		10300		43.7	mg/Kg	6010B
Arsenic		2.5		1.1	mg/Kg	6010B
Barium		144		43.7	mg/Kg	6010B
Cadmium		0.61	J	1.1	mg/Kg	6010B
Calcium		2230		1090	mg/Kg	6010B
Chromium		27.7		2.2	mg/Kg	6010B
Cobalt		6.3	J	10.9	mg/Kg	6010B
Copper		224		5.5	mg/Kg	6010B
Iron		17300		32.8	mg/Kg	6010B
Lead		115		1.1	mg/Kg	6010B
Magnesium		4360		1090	mg/Kg	6010B
Manganese		163		3.3	mg/Kg	6010B
Nickel		17.4		8.7	mg/Kg	6010B
Potassium		1750		1090	mg/Kg	6010B
Silver		3.7		2.2	mg/Kg	6010B
Vanadium		28.4		10.9	mg/Kg	6010B
Zinc		213		6.6	mg/Kg	6010B
Mercury		2.8		0.078	mg/Kg	7471A
Cyanide, Total		0.19	J	0.63	mg/Kg	9012A
Percent Moisture		20.4		1.0	%	Moisture
Percent Solids		79.6		1.0	%	Moisture
460-41546-16	PH-16					
Aluminum		5520		46.7	mg/Kg	6010B
Arsenic		1.6		1.2	mg/Kg	6010B
Barium		94.3		46.7	mg/Kg	6010B
Cadmium		0.41	J	1.2	mg/Kg	6010B
Calcium		1830		1170	mg/Kg	6010B
Chromium		16.3		2.3	mg/Kg	6010B
Cobalt		3.8	J	11.7	mg/Kg	6010B
Copper		225		5.8	mg/Kg	6010B
Iron		11200		35.1	mg/Kg	6010B
Lead		66.4		1.2	mg/Kg	6010B
Magnesium		2790		1170	mg/Kg	6010B
Manganese		107		3.5	mg/Kg	6010B
Nickel		10.6		9.3	mg/Kg	6010B
Potassium		1440		1170	mg/Kg	6010B
Silver		2.0	J	2.3	mg/Kg	6010B
Vanadium		16.4		11.7	mg/Kg	6010B
Zinc		122		7.0	mg/Kg	6010B
Mercury		4.0		0.12	mg/Kg	7471A
Percent Moisture		20.8		1.0	%	Moisture
Percent Solids		79.2		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-17	F-8					
Methylene Chloride		8.2	B	1.5	ug/Kg	8260B
Acetone		35	B	15	ug/Kg	8260B
Styrene		22		1.5	ug/Kg	8260B
Fluoranthene		110	J	360	ug/Kg	8270C
Phenanthrene		49	J	360	ug/Kg	8270C
Pyrene		130	J	360	ug/Kg	8270C
Chrysene		61	J	360	ug/Kg	8270C
Benzo[k]fluoranthene		19	J	36	ug/Kg	8270C
Benzo[b]fluoranthene		43		36	ug/Kg	8270C
Benzo[a]pyrene		9.1	J	36	ug/Kg	8270C
Benzo[a]anthracene		30	J	36	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		350	J	360	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		21	J	36	ug/Kg	8270C
4,4'-DDT		7.8		7.4	ug/Kg	8081A
Aroclor 1254		86		73	ug/Kg	8082
Aluminum		8070		41.5	mg/Kg	6010B
Arsenic		2.2		1.0	mg/Kg	6010B
Barium		121		41.5	mg/Kg	6010B
Cadmium		0.24	J	1.0	mg/Kg	6010B
Calcium		1690		1040	mg/Kg	6010B
Chromium		24.4		2.1	mg/Kg	6010B
Cobalt		6.4	J	10.4	mg/Kg	6010B
Copper		33.8		5.2	mg/Kg	6010B
Iron		14700		31.1	mg/Kg	6010B
Lead		24.5		1.0	mg/Kg	6010B
Magnesium		3660		1040	mg/Kg	6010B
Manganese		214		3.1	mg/Kg	6010B
Nickel		14.5		8.3	mg/Kg	6010B
Potassium		1930		1040	mg/Kg	6010B
Silver		2.7		2.1	mg/Kg	6010B
Vanadium		22.0		10.4	mg/Kg	6010B
Zinc		42.4		6.2	mg/Kg	6010B
Mercury		0.45		0.036	mg/Kg	7471A
Cyanide, Total		0.17	J	0.55	mg/Kg	9012A
Percent Moisture		9.1		1.0	%	Moisture
Percent Solids		90.9		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-18 F-9						
Methylene Chloride		5.6	B	1.0	ug/Kg	8260B
Acetone		3.3	J B	10	ug/Kg	8260B
Aroclor 1260		48	J	75	ug/Kg	8082
Aluminum		10700		40.0	mg/Kg	6010B
Arsenic		1.8		1.0	mg/Kg	6010B
Barium		126		40.0	mg/Kg	6010B
Cadmium		0.16	J	1.0	mg/Kg	6010B
Calcium		2050		1000	mg/Kg	6010B
Chromium		28.0		2.0	mg/Kg	6010B
Cobalt		9.2	J	10.0	mg/Kg	6010B
Copper		23.3		5.0	mg/Kg	6010B
Iron		21000		30.0	mg/Kg	6010B
Lead		5.8		1.0	mg/Kg	6010B
Magnesium		4930		1000	mg/Kg	6010B
Manganese		276		3.0	mg/Kg	6010B
Nickel		20.6		8.0	mg/Kg	6010B
Potassium		3750		1000	mg/Kg	6010B
Vanadium		35.7		10.0	mg/Kg	6010B
Zinc		83.3		6.0	mg/Kg	6010B
Percent Moisture		10.8		1.0	%	Moisture
Percent Solids		89.2		1.0	%	Moisture
460-41546-19 F-10						
Methylene Chloride		6.8	B	1.2	ug/Kg	8260B
Acetone		4.3	J B	12	ug/Kg	8260B
Aluminum		6940		43.4	mg/Kg	6010B
Arsenic		1.9		1.1	mg/Kg	6010B
Barium		44.6		43.4	mg/Kg	6010B
Calcium		1540		1090	mg/Kg	6010B
Chromium		13.2		2.2	mg/Kg	6010B
Cobalt		4.9	J	10.9	mg/Kg	6010B
Copper		12.6		5.4	mg/Kg	6010B
Iron		11500		32.6	mg/Kg	6010B
Lead		4.3		1.1	mg/Kg	6010B
Magnesium		2760		1090	mg/Kg	6010B
Manganese		155		3.3	mg/Kg	6010B
Nickel		11.4		8.7	mg/Kg	6010B
Potassium		1200		1090	mg/Kg	6010B
Vanadium		16.8		10.9	mg/Kg	6010B
Zinc		24.2		6.5	mg/Kg	6010B
Cyanide, Total		0.16	J	0.55	mg/Kg	9012A
Percent Moisture		9.7		1.0	%	Moisture
Percent Solids		90.3		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-20	F-11					
Methylene Chloride		7.4	B	1.1	ug/Kg	8260B
Acetone		9.7	J B	11	ug/Kg	8260B
Carbon disulfide		0.35	J	1.1	ug/Kg	8260B
Aroclor 1260		22	J	74	ug/Kg	8082
Aluminum		4220		42.0	mg/Kg	6010B
Arsenic		1.2		1.0	mg/Kg	6010B
Barium		53.0		42.0	mg/Kg	6010B
Cadmium		0.51	J	1.0	mg/Kg	6010B
Calcium		1320		1050	mg/Kg	6010B
Chromium		11.2		2.1	mg/Kg	6010B
Cobalt		2.9	J	10.5	mg/Kg	6010B
Copper		23.1		5.2	mg/Kg	6010B
Iron		8060		31.5	mg/Kg	6010B
Lead		23.0		1.0	mg/Kg	6010B
Magnesium		2150		1050	mg/Kg	6010B
Manganese		71.8		3.1	mg/Kg	6010B
Nickel		8.5		8.4	mg/Kg	6010B
Potassium		1110		1050	mg/Kg	6010B
Silver		1.6	J	2.1	mg/Kg	6010B
Vanadium		12.1		10.5	mg/Kg	6010B
Zinc		304		6.3	mg/Kg	6010B
Mercury		0.73		0.036	mg/Kg	7471A
Cyanide, Total		0.19	J	0.56	mg/Kg	9012A
Percent Moisture		10.1		1.0	%	Moisture
Percent Solids		89.9		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-21	F-12					
Methylene Chloride		8.0	B	1.3	ug/Kg	8260B
Acetone		5.3	J B	13	ug/Kg	8260B
Aluminum		5910		40.3	mg/Kg	6010B
Arsenic		1.6		1.0	mg/Kg	6010B
Barium		43.8		40.3	mg/Kg	6010B
Calcium		1520		1010	mg/Kg	6010B
Chromium		12.2		2.0	mg/Kg	6010B
Cobalt		4.9	J	10.1	mg/Kg	6010B
Copper		12.2		5.0	mg/Kg	6010B
Iron		11700		30.2	mg/Kg	6010B
Lead		4.2		1.0	mg/Kg	6010B
Magnesium		2560		1010	mg/Kg	6010B
Manganese		187		3.0	mg/Kg	6010B
Nickel		11.1		8.1	mg/Kg	6010B
Potassium		1230		1010	mg/Kg	6010B
Vanadium		15.0		10.1	mg/Kg	6010B
Zinc		22.9		6.0	mg/Kg	6010B
Percent Moisture		7.3		1.0	%	Moisture
Percent Solids		92.7		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-22	F-13					
Methylene Chloride		7.3	B	1.1	ug/Kg	8260B
Acetone		230	B	11	ug/Kg	8260B
Carbon disulfide		0.90	J	1.1	ug/Kg	8260B
cis-1,2-Dichloroethene		0.30	J	1.1	ug/Kg	8260B
2-Butanone		40		11	ug/Kg	8260B
Toluene		0.57	J	1.1	ug/Kg	8260B
1,4-Dichlorobenzene		0.31	J	1.1	ug/Kg	8260B
Chlordane		58	J p	74	ug/Kg	8081A
4,4'-DDD		46		7.4	ug/Kg	8081A
4,4'-DDE		17		7.4	ug/Kg	8081A
4,4'-DDT		9.9		7.4	ug/Kg	8081A
Dieldrin		4.7	J p	7.4	ug/Kg	8081A
Aroclor 1254		280		74	ug/Kg	8082
Aluminum		4970		42.8	mg/Kg	6010B
Barium		105		42.8	mg/Kg	6010B
Cadmium		0.23	J	1.1	mg/Kg	6010B
Calcium		963	J	1070	mg/Kg	6010B
Chromium		12.6		2.1	mg/Kg	6010B
Cobalt		2.6	J	10.7	mg/Kg	6010B
Copper		44.8		5.3	mg/Kg	6010B
Iron		9500		32.1	mg/Kg	6010B
Lead		24.2		1.1	mg/Kg	6010B
Magnesium		2760		1070	mg/Kg	6010B
Manganese		82.6		3.2	mg/Kg	6010B
Nickel		7.5	J	8.6	mg/Kg	6010B
Potassium		1100		1070	mg/Kg	6010B
Silver		2.3		2.1	mg/Kg	6010B
Vanadium		12.7		10.7	mg/Kg	6010B
Zinc		57.7		6.4	mg/Kg	6010B
Mercury		0.67		0.034	mg/Kg	7471A
Cyanide, Total		0.19	J	0.56	mg/Kg	9012A
Percent Moisture		10.0		1.0	%	Moisture
Percent Solids		90.0		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-41546-23	FB-E					
Acetone		3.1	J B	8.8	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		150	J	370	ug/Kg	8270C
Aluminum		12600		42.0	mg/Kg	6010B
Arsenic		1.8		1.1	mg/Kg	6010B
Barium		148		42.0	mg/Kg	6010B
Cadmium		0.18	J	1.1	mg/Kg	6010B
Calcium		2260		1050	mg/Kg	6010B
Chromium		33.9		2.1	mg/Kg	6010B
Cobalt		9.8	J	10.5	mg/Kg	6010B
Copper		21.7		5.3	mg/Kg	6010B
Iron		22500		31.5	mg/Kg	6010B
Lead		5.9		1.1	mg/Kg	6010B
Magnesium		5690		1050	mg/Kg	6010B
Manganese		326		3.2	mg/Kg	6010B
Nickel		22.1		8.4	mg/Kg	6010B
Potassium		4160		1050	mg/Kg	6010B
Vanadium		41.5		10.5	mg/Kg	6010B
Zinc		72.4		6.3	mg/Kg	6010B
Percent Moisture		11.9		1.0	%	Moisture
Percent Solids		88.1		1.0	%	Moisture

METHOD SUMMARY

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Description		Lab Location	Method	Preparation Method
Matrix	Solid			
TCL VOA + 10		TAL EDI	SW846 8260B	
	Closed System Purge and Trap	TAL EDI		SW846 5035
TCL BNA + 25 TICs		TAL EDI	SW846 8270C	
	Automated Soxhlet Extraction	TAL EDI		SW846 3541
TCL Pesticides (OLM04.2)		TAL EDI	SW846 8081A	
	Automated Soxhlet Extraction	TAL EDI		SW846 3541
PCBs		TAL EDI	SW846 8082	
	Automated Soxhlet Extraction	TAL EDI		SW846 3541
TAL Metals		TAL EDI	SW846 6010B	
	Preparation, Metals	TAL EDI		SW846 3050B
Mercury (CVAA)		TAL EDI	SW846 7471A	
	Preparation, Mercury	TAL EDI		SW846 7471A
Cyanide, Total and/or Amenable		TAL EDI	SW846 9012A	
	Cyanide, Total and/or Amenable, Distillation	TAL EDI		SW846 9012A
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: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method	Analyst	Analyst ID
SW846 8260B	Tupayachi, Audberto	AT
SW846 8270C	Crocco, Michael	MC
SW846 8270C	Zhao, Chunxin	CZ
SW846 8081A	Manlangit, Ferdie	FM
SW846 8082	Selby, Calista	CS
SW846 6010B	Chang, Churn Der	CDC
SW846 7471A	Sheikh, Razia B	RBS
SW846 7471A	Staib, Thomas	TS
SW846 9012A	Vu, Huan	HV
EPA Moisture	Bobo, Steve	SB

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-8

Lab Sample ID: 460-41546-17

Date Sampled: 06/20/2012 1305

Client Matrix: Solid

% Moisture: 9.1

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61643.d

Dilution: 1.0

Initial Weight/Volume: 3.77 g

Analysis Date: 06/28/2012 1111

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2253

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.23	U	0.23	1.5
Bromomethane		0.63	U	0.63	1.5
Vinyl chloride		0.50	U	0.50	1.5
Chloroethane		0.48	U	0.48	1.5
Methylene Chloride		8.2	B	0.22	1.5
Acetone		35	B	2.5	15
Xylenes, Total		0.98	U	0.98	4.4
Carbon disulfide		0.22	U	0.22	1.5
Trichlorofluoromethane		0.23	U	0.23	1.5
1,1-Dichloroethene		0.28	U	0.28	1.5
1,1-Dichloroethane		0.16	U	0.16	1.5
trans-1,2-Dichloroethene		0.19	U	0.19	1.5
cis-1,2-Dichloroethene		0.16	U	0.16	1.5
Chloroform		0.35	U	0.35	1.5
2-Butanone		0.92	U	0.92	15
1,2-Dichloroethane		0.26	U	0.26	1.5
1,1,1-Trichloroethane		0.19	U	0.19	1.5
Carbon tetrachloride		0.22	U	0.22	1.5
Benzene		0.22	U	0.22	1.5
Bromoform		0.25	U	0.25	1.5
Styrene		22		0.41	1.5
Ethylbenzene		0.25	U	0.25	1.5
Chlorobenzene		0.26	U	0.26	1.5
Cyclohexane		0.19	U	0.19	1.5
Isopropylbenzene		0.16	U	0.16	1.5
2-Hexanone		0.19	U	0.19	15
MTBE		0.16	U	0.16	1.5
Freon TF		0.16	U	0.16	1.5
Methyl acetate		0.47	U	0.47	1.5
1,4-Dioxane		19	U	19	73
Trichloroethene		0.18	U	0.18	1.5
Toluene		0.20	U	0.20	1.5
trans-1,3-Dichloropropene		0.15	U	0.15	1.5
4-Methyl-2-pentanone		0.29	U	0.29	15
cis-1,3-Dichloropropene		0.20	U	0.20	1.5
1,2-Dichlorobenzene		0.15	U	0.15	1.5
1,3-Dichlorobenzene		0.23	U	0.23	1.5
1,4-Dichlorobenzene		0.16	U	0.16	1.5
1,2,4-Trichlorobenzene		0.28	U	0.28	1.5
1,2,3-Trichlorobenzene		0.23	U	0.23	1.5
1,2-Dichloropropane		0.22	U	0.22	1.5
Methylcyclohexane		0.15	U	0.15	1.5
Tetrachloroethene		0.18	U	0.18	1.5
1,2-Dibromo-3-Chloropropane		0.64	U	0.64	1.5
1,1,2,2-Tetrachloroethane		0.13	U	0.13	1.5
1,1,2-Trichloroethane		0.20	U	0.20	1.5

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-8

Lab Sample ID: 460-41546-17

Date Sampled: 06/20/2012 1305

Client Matrix: Solid

% Moisture: 9.1

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61643.d

Dilution: 1.0

Initial Weight/Volume: 3.77 g

Analysis Date: 06/28/2012 1111

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2253

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromochloromethane		0.15	U	0.15	1.5
1,2-Dibromoethane		0.22	U	0.22	1.5
Dichlorodifluoromethane		0.32	U	0.32	1.5
Bromochloromethane		0.16	U	0.16	1.5
Bromodichloromethane		0.47	U	0.47	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
Toluene-d8 (Surr)	96		70 - 130
Bromofluorobenzene	101		70 - 130

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-8

Lab Sample ID: 460-41546-17

Date Sampled: 06/20/2012 1305

Client Matrix: Solid

% Moisture: 9.1

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61643.d

Dilution: 1.0

Initial Weight/Volume: 3.77 g

Analysis Date: 06/28/2012 1111

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2253

Tentatively Identified Compounds**Number TIC's Found: 0**

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-9

Lab Sample ID: 460-41546-18

Date Sampled: 06/20/2012 1314

Client Matrix: Solid

% Moisture: 10.8

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61644.d

Dilution: 1.0

Initial Weight/Volume: 5.59 g

Analysis Date: 06/28/2012 1135

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2254

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.16	U	0.16	1.0
Bromomethane		0.43	U	0.43	1.0
Vinyl chloride		0.34	U	0.34	1.0
Chloroethane		0.33	U	0.33	1.0
Methylene Chloride		5.6	B	0.15	1.0
Acetone		3.3	J B	1.7	10
Xylenes, Total		0.67	U	0.67	3.0
Carbon disulfide		0.15	U	0.15	1.0
Trichlorofluoromethane		0.16	U	0.16	1.0
1,1-Dichloroethene		0.19	U	0.19	1.0
1,1-Dichloroethane		0.11	U	0.11	1.0
trans-1,2-Dichloroethene		0.13	U	0.13	1.0
cis-1,2-Dichloroethene		0.11	U	0.11	1.0
Chloroform		0.24	U	0.24	1.0
2-Butanone		0.63	U	0.63	10
1,2-Dichloroethane		0.18	U	0.18	1.0
1,1,1-Trichloroethane		0.13	U	0.13	1.0
Carbon tetrachloride		0.15	U	0.15	1.0
Benzene		0.15	U	0.15	1.0
Bromoform		0.17	U	0.17	1.0
Styrene		0.28	U	0.28	1.0
Ethylbenzene		0.17	U	0.17	1.0
Chlorobenzene		0.18	U	0.18	1.0
Cyclohexane		0.13	U	0.13	1.0
Isopropylbenzene		0.11	U	0.11	1.0
2-Hexanone		0.13	U	0.13	10
MTBE		0.11	U	0.11	1.0
Freon TF		0.11	U	0.11	1.0
Methyl acetate		0.32	U	0.32	1.0
1,4-Dioxane		13	U	13	50
Trichloroethene		0.12	U	0.12	1.0
Toluene		0.14	U	0.14	1.0
trans-1,3-Dichloropropene		0.10	U	0.10	1.0
4-Methyl-2-pentanone		0.20	U	0.20	10
cis-1,3-Dichloropropene		0.14	U	0.14	1.0
1,2-Dichlorobenzene		0.10	U	0.10	1.0
1,3-Dichlorobenzene		0.16	U	0.16	1.0
1,4-Dichlorobenzene		0.11	U	0.11	1.0
1,2,4-Trichlorobenzene		0.19	U	0.19	1.0
1,2,3-Trichlorobenzene		0.16	U	0.16	1.0
1,2-Dichloropropane		0.15	U	0.15	1.0
Methylcyclohexane		0.10	U	0.10	1.0
Tetrachloroethene		0.12	U	0.12	1.0
1,2-Dibromo-3-Chloropropane		0.44	U	0.44	1.0
1,1,2,2-Tetrachloroethane		0.090	U	0.090	1.0
1,1,2-Trichloroethane		0.14	U	0.14	1.0

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-9

Lab Sample ID: 460-41546-18

Date Sampled: 06/20/2012 1314

Client Matrix: Solid

% Moisture: 10.8

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61644.d

Dilution: 1.0

Initial Weight/Volume: 5.59 g

Analysis Date: 06/28/2012 1135

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2254

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromochloromethane		0.10	U	0.10	1.0
1,2-Dibromoethane		0.15	U	0.15	1.0
Dichlorodifluoromethane		0.22	U	0.22	1.0
Bromochloromethane		0.11	U	0.11	1.0
Bromodichloromethane		0.32	U	0.32	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 130
Toluene-d8 (Surr)	96		70 - 130
Bromofluorobenzene	98		70 - 130

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-9

Lab Sample ID: 460-41546-18

Date Sampled: 06/20/2012 1314

Client Matrix: Solid

% Moisture: 10.8

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61644.d

Dilution: 1.0

Initial Weight/Volume: 5.59 g

Analysis Date: 06/28/2012 1135

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2254

Tentatively Identified Compounds**Number TIC's Found: 0**

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-10

Lab Sample ID: 460-41546-19

Date Sampled: 06/20/2012 1348

Client Matrix: Solid

% Moisture: 9.7

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61645.d

Dilution: 1.0

Initial Weight/Volume: 4.56 g

Analysis Date: 06/28/2012 1200

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2255

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.19	U	0.19	1.2
Bromomethane		0.52	U	0.52	1.2
Vinyl chloride		0.41	U	0.41	1.2
Chloroethane		0.40	U	0.40	1.2
Methylene Chloride		6.8	B	0.18	1.2
Acetone		4.3	J B	2.1	12
Xylenes, Total		0.81	U	0.81	3.6
Carbon disulfide		0.18	U	0.18	1.2
Trichlorofluoromethane		0.19	U	0.19	1.2
1,1-Dichloroethene		0.23	U	0.23	1.2
1,1-Dichloroethane		0.13	U	0.13	1.2
trans-1,2-Dichloroethene		0.16	U	0.16	1.2
cis-1,2-Dichloroethene		0.13	U	0.13	1.2
Chloroform		0.29	U	0.29	1.2
2-Butanone		0.76	U	0.76	12
1,2-Dichloroethane		0.22	U	0.22	1.2
1,1,1-Trichloroethane		0.16	U	0.16	1.2
Carbon tetrachloride		0.18	U	0.18	1.2
Benzene		0.18	U	0.18	1.2
Bromoform		0.21	U	0.21	1.2
Styrene		0.34	U	0.34	1.2
Ethylbenzene		0.21	U	0.21	1.2
Chlorobenzene		0.22	U	0.22	1.2
Cyclohexane		0.16	U	0.16	1.2
Isopropylbenzene		0.13	U	0.13	1.2
2-Hexanone		0.16	U	0.16	12
MTBE		0.13	U	0.13	1.2
Freon TF		0.13	U	0.13	1.2
Methyl acetate		0.39	U	0.39	1.2
1,4-Dioxane		15	U	15	61
Trichloroethene		0.15	U	0.15	1.2
Toluene		0.17	U	0.17	1.2
trans-1,3-Dichloropropene		0.12	U	0.12	1.2
4-Methyl-2-pentanone		0.24	U	0.24	12
cis-1,3-Dichloropropene		0.17	U	0.17	1.2
1,2-Dichlorobenzene		0.12	U	0.12	1.2
1,3-Dichlorobenzene		0.19	U	0.19	1.2
1,4-Dichlorobenzene		0.13	U	0.13	1.2
1,2,4-Trichlorobenzene		0.23	U	0.23	1.2
1,2,3-Trichlorobenzene		0.19	U	0.19	1.2
1,2-Dichloropropane		0.18	U	0.18	1.2
Methylcyclohexane		0.12	U	0.12	1.2
Tetrachloroethene		0.15	U	0.15	1.2
1,2-Dibromo-3-Chloropropane		0.53	U	0.53	1.2
1,1,2,2-Tetrachloroethane		0.11	U	0.11	1.2
1,1,2-Trichloroethane		0.17	U	0.17	1.2

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-10

Lab Sample ID: 460-41546-19

Date Sampled: 06/20/2012 1348

Client Matrix: Solid

% Moisture: 9.7

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61645.d

Dilution: 1.0

Initial Weight/Volume: 4.56 g

Analysis Date: 06/28/2012 1200

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2255

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromochloromethane		0.12	U	0.12	1.2
1,2-Dibromoethane		0.18	U	0.18	1.2
Dichlorodifluoromethane		0.27	U	0.27	1.2
Bromochloromethane		0.13	U	0.13	1.2
Bromodichloromethane		0.39	U	0.39	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
Toluene-d8 (Surr)	97		70 - 130
Bromofluorobenzene	100		70 - 130

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-10

Lab Sample ID: 460-41546-19

Date Sampled: 06/20/2012 1348

Client Matrix: Solid

% Moisture: 9.7

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61645.d

Dilution: 1.0

Initial Weight/Volume: 4.56 g

Analysis Date: 06/28/2012 1200

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2255

Tentatively Identified Compounds**Number TIC's Found: 0**

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-11

Lab Sample ID: 460-41546-20

Date Sampled: 06/20/2012 1352

Client Matrix: Solid

% Moisture: 10.1

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61646.d

Dilution: 1.0

Initial Weight/Volume: 5.07 g

Analysis Date: 06/28/2012 1225

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2256

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.18	U	0.18	1.1
Bromomethane		0.47	U	0.47	1.1
Vinyl chloride		0.37	U	0.37	1.1
Chloroethane		0.36	U	0.36	1.1
Methylene Chloride		7.4	B	0.16	1.1
Acetone		9.7	J B	1.9	11
Xylenes, Total		0.73	U	0.73	3.3
Carbon disulfide		0.35	J	0.16	1.1
Trichlorofluoromethane		0.18	U	0.18	1.1
1,1-Dichloroethene		0.21	U	0.21	1.1
1,1-Dichloroethane		0.12	U	0.12	1.1
trans-1,2-Dichloroethene		0.14	U	0.14	1.1
cis-1,2-Dichloroethene		0.12	U	0.12	1.1
Chloroform		0.26	U	0.26	1.1
2-Butanone		0.69	U	0.69	11
1,2-Dichloroethane		0.20	U	0.20	1.1
1,1,1-Trichloroethane		0.14	U	0.14	1.1
Carbon tetrachloride		0.16	U	0.16	1.1
Benzene		0.16	U	0.16	1.1
Bromoform		0.19	U	0.19	1.1
Styrene		0.31	U	0.31	1.1
Ethylbenzene		0.19	U	0.19	1.1
Chlorobenzene		0.20	U	0.20	1.1
Cyclohexane		0.14	U	0.14	1.1
Isopropylbenzene		0.12	U	0.12	1.1
2-Hexanone		0.14	U	0.14	11
MTBE		0.12	U	0.12	1.1
Freon TF		0.12	U	0.12	1.1
Methyl acetate		0.35	U	0.35	1.1
1,4-Dioxane		14	U	14	55
Trichloroethene		0.13	U	0.13	1.1
Toluene		0.15	U	0.15	1.1
trans-1,3-Dichloropropene		0.11	U	0.11	1.1
4-Methyl-2-pentanone		0.22	U	0.22	11
cis-1,3-Dichloropropene		0.15	U	0.15	1.1
1,2-Dichlorobenzene		0.11	U	0.11	1.1
1,3-Dichlorobenzene		0.18	U	0.18	1.1
1,4-Dichlorobenzene		0.12	U	0.12	1.1
1,2,4-Trichlorobenzene		0.21	U	0.21	1.1
1,2,3-Trichlorobenzene		0.18	U	0.18	1.1
1,2-Dichloropropane		0.16	U	0.16	1.1
Methylcyclohexane		0.11	U	0.11	1.1
Tetrachloroethene		0.13	U	0.13	1.1
1,2-Dibromo-3-Chloropropane		0.48	U	0.48	1.1
1,1,1,2-Tetrachloroethane		0.099	U	0.099	1.1
1,1,2-Trichloroethane		0.15	U	0.15	1.1

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-11

Lab Sample ID: 460-41546-20

Date Sampled: 06/20/2012 1352

Client Matrix: Solid

% Moisture: 10.1

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61646.d

Dilution: 1.0

Initial Weight/Volume: 5.07 g

Analysis Date: 06/28/2012 1225

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2256

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromochloromethane		0.11	U	0.11	1.1
1,2-Dibromoethane		0.16	U	0.16	1.1
Dichlorodifluoromethane		0.24	U	0.24	1.1
Bromochloromethane		0.12	U	0.12	1.1
Bromodichloromethane		0.35	U	0.35	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
Toluene-d8 (Surr)	96		70 - 130
Bromofluorobenzene	97		70 - 130

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-11

Lab Sample ID: 460-41546-20

Date Sampled: 06/20/2012 1352

Client Matrix: Solid

% Moisture: 10.1

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61646.d

Dilution: 1.0

Initial Weight/Volume: 5.07 g

Analysis Date: 06/28/2012 1225

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2256

Tentatively Identified Compounds**Number TIC's Found: 0**

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-12

Lab Sample ID: 460-41546-21

Date Sampled: 06/20/2012 1510

Client Matrix: Solid

% Moisture: 7.3

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61639.d

Dilution: 1.0

Initial Weight/Volume: 4.09 g

Analysis Date: 06/28/2012 0931

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2257

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.21	U	0.21	1.3
Bromomethane		0.57	U	0.57	1.3
Vinyl chloride		0.45	U	0.45	1.3
Chloroethane		0.44	U	0.44	1.3
Methylene Chloride		8.0	B	0.20	1.3
Acetone		5.3	J B	2.2	13
Xylenes, Total		0.88	U	0.88	4.0
Carbon disulfide		0.20	U	0.20	1.3
Trichlorofluoromethane		0.21	U	0.21	1.3
1,1-Dichloroethene		0.25	U	0.25	1.3
1,1-Dichloroethane		0.15	U	0.15	1.3
trans-1,2-Dichloroethene		0.17	U	0.17	1.3
cis-1,2-Dichloroethene		0.15	U	0.15	1.3
Chloroform		0.32	U	0.32	1.3
2-Butanone		0.83	U	0.83	13
1,2-Dichloroethane		0.24	U	0.24	1.3
1,1,1-Trichloroethane		0.17	U	0.17	1.3
Carbon tetrachloride		0.20	U	0.20	1.3
Benzene		0.20	U	0.20	1.3
Bromoform		0.22	U	0.22	1.3
Styrene		0.37	U	0.37	1.3
Ethylbenzene		0.22	U	0.22	1.3
Chlorobenzene		0.24	U	0.24	1.3
Cyclohexane		0.17	U	0.17	1.3
Isopropylbenzene		0.15	U	0.15	1.3
2-Hexanone		0.17	U	0.17	13
MTBE		0.15	U	0.15	1.3
Freon TF		0.15	U	0.15	1.3
Methyl acetate		0.42	U	0.42	1.3
1,4-Dioxane		17	U	17	66
Trichloroethene		0.16	U	0.16	1.3
Toluene		0.18	U	0.18	1.3
trans-1,3-Dichloropropene		0.13	U	0.13	1.3
4-Methyl-2-pentanone		0.26	U	0.26	13
cis-1,3-Dichloropropene		0.18	U	0.18	1.3
1,2-Dichlorobenzene		0.13	U	0.13	1.3
1,3-Dichlorobenzene		0.21	U	0.21	1.3
1,4-Dichlorobenzene		0.15	U	0.15	1.3
1,2,4-Trichlorobenzene		0.25	U	0.25	1.3
1,2,3-Trichlorobenzene		0.21	U	0.21	1.3
1,2-Dichloropropane		0.20	U	0.20	1.3
Methylcyclohexane		0.13	U	0.13	1.3
Tetrachloroethene		0.16	U	0.16	1.3
1,2-Dibromo-3-Chloropropane		0.58	U	0.58	1.3
1,1,2,2-Tetrachloroethane		0.12	U	0.12	1.3
1,1,2-Trichloroethane		0.18	U	0.18	1.3

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-12

Lab Sample ID: 460-41546-21

Date Sampled: 06/20/2012 1510

Client Matrix: Solid

% Moisture: 7.3

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61639.d

Dilution: 1.0

Initial Weight/Volume: 4.09 g

Analysis Date: 06/28/2012 0931

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2257

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromochloromethane		0.13	U	0.13	1.3
1,2-Dibromoethane		0.20	U	0.20	1.3
Dichlorodifluoromethane		0.29	U	0.29	1.3
Bromochloromethane		0.15	U	0.15	1.3
Bromodichloromethane		0.42	U	0.42	1.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 130
Toluene-d8 (Surr)	94		70 - 130
Bromofluorobenzene	97		70 - 130

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-12

Lab Sample ID: 460-41546-21

Date Sampled: 06/20/2012 1510

Client Matrix: Solid

% Moisture: 7.3

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61639.d

Dilution: 1.0

Initial Weight/Volume: 4.09 g

Analysis Date: 06/28/2012 0931

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2257

Tentatively Identified Compounds**Number TIC's Found: 0**

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-13

Lab Sample ID: 460-41546-22

Date Sampled: 06/20/2012 1520

Client Matrix: Solid

% Moisture: 10.0

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61647.d

Dilution: 1.0

Initial Weight/Volume: 4.90 g

Analysis Date: 06/28/2012 1250

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2300

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.18	U	0.18	1.1
Bromomethane		0.49	U	0.49	1.1
Vinyl chloride		0.39	U	0.39	1.1
Chloroethane		0.37	U	0.37	1.1
Methylene Chloride		7.3	B	0.17	1.1
Acetone		230	B	1.9	11
Xylenes, Total		0.76	U	0.76	3.4
Carbon disulfide		0.90	J	0.17	1.1
Trichlorofluoromethane		0.18	U	0.18	1.1
1,1-Dichloroethene		0.22	U	0.22	1.1
1,1-Dichloroethane		0.12	U	0.12	1.1
trans-1,2-Dichloroethene		0.15	U	0.15	1.1
cis-1,2-Dichloroethene		0.30	J	0.12	1.1
Chloroform		0.27	U	0.27	1.1
2-Butanone		40		0.71	11
1,2-Dichloroethane		0.20	U	0.20	1.1
1,1,1-Trichloroethane		0.15	U	0.15	1.1
Carbon tetrachloride		0.17	U	0.17	1.1
Benzene		0.17	U	0.17	1.1
Bromoform		0.19	U	0.19	1.1
Styrene		0.32	U	0.32	1.1
Ethylbenzene		0.19	U	0.19	1.1
Chlorobenzene		0.20	U	0.20	1.1
Cyclohexane		0.15	U	0.15	1.1
Isopropylbenzene		0.12	U	0.12	1.1
2-Hexanone		0.15	U	0.15	11
MTBE		0.12	U	0.12	1.1
Freon TF		0.12	U	0.12	1.1
Methyl acetate		0.36	U	0.36	1.1
1,4-Dioxane		14	U	14	57
Trichloroethene		0.14	U	0.14	1.1
Toluene		0.57	J	0.16	1.1
trans-1,3-Dichloropropene		0.11	U	0.11	1.1
4-Methyl-2-pentanone		0.23	U	0.23	11
cis-1,3-Dichloropropene		0.16	U	0.16	1.1
1,2-Dichlorobenzene		0.11	U	0.11	1.1
1,3-Dichlorobenzene		0.18	U	0.18	1.1
1,4-Dichlorobenzene		0.31	J	0.12	1.1
1,2,4-Trichlorobenzene		0.22	U	0.22	1.1
1,2,3-Trichlorobenzene		0.18	U	0.18	1.1
1,2-Dichloropropane		0.17	U	0.17	1.1
Methylcyclohexane		0.11	U	0.11	1.1
Tetrachloroethene		0.14	U	0.14	1.1
1,2-Dibromo-3-Chloropropane		0.50	U	0.50	1.1
1,1,2,2-Tetrachloroethane		0.10	U	0.10	1.1
1,1,2-Trichloroethane		0.16	U	0.16	1.1

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-13

Lab Sample ID: 460-41546-22

Date Sampled: 06/20/2012 1520

Client Matrix: Solid

% Moisture: 10.0

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61647.d

Dilution: 1.0

Initial Weight/Volume: 4.90 g

Analysis Date: 06/28/2012 1250

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2300

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromochloromethane		0.11	U	0.11	1.1
1,2-Dibromoethane		0.17	U	0.17	1.1
Dichlorodifluoromethane		0.25	U	0.25	1.1
Bromochloromethane		0.12	U	0.12	1.1
Bromodichloromethane		0.36	U	0.36	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		70 - 130
Toluene-d8 (Surr)	94		70 - 130
Bromofluorobenzene	101		70 - 130

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-13

Lab Sample ID: 460-41546-22

Date Sampled: 06/20/2012 1520

Client Matrix: Solid

% Moisture: 10.0

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61647.d

Dilution: 1.0

Initial Weight/Volume: 4.90 g

Analysis Date: 06/28/2012 1250

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2300

Tentatively Identified Compounds**Number TIC's Found: 0**

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: FB-E

Lab Sample ID: 460-41546-23

Date Sampled: 06/20/2012 0000

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61648.d

Dilution: 1.0

Initial Weight/Volume: 6.42 g

Analysis Date: 06/28/2012 1315

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2301

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.14	U	0.14	0.88
Bromomethane		0.38	U	0.38	0.88
Vinyl chloride		0.30	U	0.30	0.88
Chloroethane		0.29	U	0.29	0.88
Methylene Chloride		0.13	U	0.13	0.88
Acetone		3.1	J B	1.5	8.8
Xylenes, Total		0.59	U	0.59	2.7
Carbon disulfide		0.13	U	0.13	0.88
Trichlorofluoromethane		0.14	U	0.14	0.88
1,1-Dichloroethene		0.17	U	0.17	0.88
1,1-Dichloroethane		0.097	U	0.097	0.88
trans-1,2-Dichloroethene		0.11	U	0.11	0.88
cis-1,2-Dichloroethene		0.097	U	0.097	0.88
Chloroform		0.21	U	0.21	0.88
2-Butanone		0.56	U	0.56	8.8
1,2-Dichloroethane		0.16	U	0.16	0.88
1,1,1-Trichloroethane		0.11	U	0.11	0.88
Carbon tetrachloride		0.13	U	0.13	0.88
Benzene		0.13	U	0.13	0.88
Bromoform		0.15	U	0.15	0.88
Styrene		0.25	U	0.25	0.88
Ethylbenzene		0.15	U	0.15	0.88
Chlorobenzene		0.16	U	0.16	0.88
Cyclohexane		0.11	U	0.11	0.88
Isopropylbenzene		0.097	U	0.097	0.88
2-Hexanone		0.11	U	0.11	8.8
MTBE		0.097	U	0.097	0.88
Freon TF		0.097	U	0.097	0.88
Methyl acetate		0.28	U	0.28	0.88
1,4-Dioxane		11	U	11	44
Trichloroethene		0.11	U	0.11	0.88
Toluene		0.12	U	0.12	0.88
trans-1,3-Dichloropropene		0.088	U	0.088	0.88
4-Methyl-2-pentanone		0.18	U	0.18	8.8
cis-1,3-Dichloropropene		0.12	U	0.12	0.88
1,2-Dichlorobenzene		0.088	U	0.088	0.88
1,3-Dichlorobenzene		0.14	U	0.14	0.88
1,4-Dichlorobenzene		0.097	U	0.097	0.88
1,2,4-Trichlorobenzene		0.17	U	0.17	0.88
1,2,3-Trichlorobenzene		0.14	U	0.14	0.88
1,2-Dichloropropane		0.13	U	0.13	0.88
Methylcyclohexane		0.088	U	0.088	0.88
Tetrachloroethene		0.11	U	0.11	0.88
1,2-Dibromo-3-Chloropropane		0.39	U	0.39	0.88
1,1,1,2-Tetrachloroethane		0.080	U	0.080	0.88
1,1,2-Trichloroethane		0.12	U	0.12	0.88

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: FB-E

Lab Sample ID: 460-41546-23

Date Sampled: 06/20/2012 0000

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61648.d

Dilution: 1.0

Initial Weight/Volume: 6.42 g

Analysis Date: 06/28/2012 1315

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2301

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromochloromethane		0.088	U	0.088	0.88
1,2-Dibromoethane		0.13	U	0.13	0.88
Dichlorodifluoromethane		0.19	U	0.19	0.88
Bromochloromethane		0.097	U	0.097	0.88
Bromodichloromethane		0.28	U	0.28	0.88

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
Toluene-d8 (Surr)	96		70 - 130
Bromofluorobenzene	97		70 - 130

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: FB-E

Lab Sample ID: 460-41546-23

Date Sampled: 06/20/2012 0000

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/20/2012 1740

8260B TCL VOA + 10

Analysis Method: 8260B

Analysis Batch: 460-117776

Instrument ID: VOAMS12

Prep Method: 5035

Prep Batch: 460-116894

Lab File ID: o61648.d

Dilution: 1.0

Initial Weight/Volume: 6.42 g

Analysis Date: 06/28/2012 1315

Final Weight/Volume: 5 mL

Prep Date: 06/20/2012 2301

Tentatively Identified Compounds**Number TIC's Found: 0**

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-8

Lab Sample ID: 460-41546-17

Date Sampled: 06/20/2012 1305

Client Matrix: Solid

% Moisture: 9.1

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method:	8270C	Analysis Batch:	460-117976	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-117106	Lab File ID:	z19075.d
Dilution:	1.0			Initial Weight/Volume:	14.99 g
Analysis Date:	06/26/2012 1508			Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		49	U	49	360
2-Chlorophenol		48	U	48	360
2-Methylphenol		62	U	62	360
4-Methylphenol		72	U	72	360
Benzaldehyde		43	U	43	360
Acetophenone		56	U	56	360
Bis(2-chloroethyl)ether		5.0	U	5.0	36
2,2'-oxybis[1-chloropropane]		40	U	40	360
N-Nitrosodi-n-propylamine		6.1	U	6.1	36
Nitrobenzene		5.2	U	5.2	36
Hexachloroethane		4.1	U	4.1	36
Isophorone		44	U	44	360
2-Nitrophenol		41	U	41	360
2,4-Dimethylphenol		90	U	90	360
2,4-Dichlorophenol		53	U	53	360
Bis(2-chloroethoxy)methane		47	U	47	360
Naphthalene		42	U	42	360
4-Chloroaniline		96	U	96	360
Hexachlorobutadiene		8.9	U	8.9	74
Caprolactam		84	U	84	360
4-Chloro-3-methylphenol		55	U	55	360
2-Methylnaphthalene		47	U	47	360
Hexachlorobenzene		5.0	U	5.0	36
Hexachlorocyclopentadiene		43	U	43	360
2,4,6-Trichlorophenol		43	U	43	360
2,4,5-Trichlorophenol		47	U	47	360
Diphenyl		49	U	49	360
2-Chloronaphthalene		41	U	41	360
2-Nitroaniline		150	U	150	740
2,6-Dinitrotoluene		11	U	11	74
Dimethyl phthalate		43	U	43	360
Acenaphthylene		43	U	43	360
3-Nitroaniline		130	U	130	740
Acenaphthene		53	U	53	360
4-Nitrophenol		230	U	230	1100
2,4-Dinitrophenol		210	U	210	1100
Dibenzofuran		43	U	43	360
Diethyl phthalate		43	U	43	360
Fluorene		47	U	47	360
Fluoranthene		110	J	49	360
Di-n-butyl phthalate		45	U	45	360
2,4-Dinitrotoluene		12	U	12	74
4-Chlorophenyl phenyl ether		43	U	43	360
4-Nitroaniline		110	U	110	740
4,6-Dinitro-2-methylphenol		99	U	99	1100
4-Bromophenyl phenyl ether		36	U	36	360

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-8

Lab Sample ID: 460-41546-17

Date Sampled: 06/20/2012 1305

Client Matrix: Solid

% Moisture: 9.1

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method:	8270C	Analysis Batch:	460-117976	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-117106	Lab File ID:	z19075.d
Dilution:	1.0			Initial Weight/Volume:	14.99 g
Analysis Date:	06/26/2012 1508			Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		56	U	56	360
Anthracene		44	U	44	360
Carbazole		43	U	43	360
Phenanthrene		49	J	46	360
Pentachlorophenol		110	U	110	1100
Pyrene		130	J	30	360
Chrysene		61	J	42	360
Benzo[k]fluoranthene		19	J	2.8	36
Benzo[g,h,i]perylene		27	U	27	360
Benzo[b]fluoranthene		43		2.3	36
Benzo[a]pyrene		9.1	J	2.6	36
Benzo[a]anthracene		30	J	2.5	36
N-Nitrosodiphenylamine		36	U	36	360
Butyl benzyl phthalate		33	U	33	360
Bis(2-ethylhexyl) phthalate		350	J	120	360
Di-n-octyl phthalate		23	U	23	360
Indeno[1,2,3-cd]pyrene		21	J	6.8	36
Dibenz(a,h)anthracene		4.6	U	4.6	36
3,3'-Dichlorobenzidine		130	U	130	740
1,2,4,5-Tetrachlorobenzene		49	U	49	360
2,3,4,6-Tetrachlorophenol		47	U	47	360
1,4-Dioxane		27	U	27	360

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	69		38 - 105
Phenol-d5	82		41 - 118
Terphenyl-d14	98		16 - 151
2,4,6-Tribromophenol	56		10 - 120
2-Fluorophenol	72		37 - 125
2-Fluorobiphenyl	76		40 - 109

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-8

Lab Sample ID: 460-41546-17

Date Sampled: 06/20/2012 1305

Client Matrix: Solid

% Moisture: 9.1

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117976

Instrument ID: BNAMS11

Prep Method: 3541

Prep Batch: 460-117106

Lab File ID: z19075.d

Dilution: 1.0

Initial Weight/Volume: 14.99 g

Analysis Date: 06/26/2012 1508

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0849

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 7**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown-1	11.72	420	J
	Unknown Alkane-1	11.97	680	J
	Unknown-2	12.59	420	J
	Unknown Alkane-2	12.84	680	J
	Unknown-3	13.53	1500	J
	Unknown Sterol	14.18	630	J
	Unknown-4	14.24	450	J

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-9

Lab Sample ID: 460-41546-18

Date Sampled: 06/20/2012 1314

Client Matrix: Solid

% Moisture: 10.8

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117976

Instrument ID: BNAMS11

Prep Method: 3541

Prep Batch: 460-117106

Lab File ID: z19064.d

Dilution: 1.0

Initial Weight/Volume: 15.01 g

Analysis Date: 06/26/2012 1049

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0849

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		50	U	50	370
2-Chlorophenol		49	U	49	370
2-Methylphenol		63	U	63	370
4-Methylphenol		73	U	73	370
Benzaldehyde		44	U	44	370
Acetophenone		57	U	57	370
Bis(2-chloroethyl)ether		5.1	U	5.1	37
2,2'-oxybis[1-chloropropane]		41	U	41	370
N-Nitrosodi-n-propylamine		6.2	U	6.2	37
Nitrobenzene		5.3	U	5.3	37
Hexachloroethane		4.1	U	4.1	37
Isophorone		45	U	45	370
2-Nitrophenol		41	U	41	370
2,4-Dimethylphenol		91	U	91	370
2,4-Dichlorophenol		54	U	54	370
Bis(2-chloroethoxy)methane		48	U	48	370
Naphthalene		43	U	43	370
4-Chloroaniline		98	U	98	370
Hexachlorobutadiene		9.0	U	9.0	75
Caprolactam		85	U	85	370
4-Chloro-3-methylphenol		56	U	56	370
2-Methylnaphthalene		48	U	48	370
Hexachlorobenzene		5.1	U	5.1	37
Hexachlorocyclopentadiene		44	U	44	370
2,4,6-Trichlorophenol		43	U	43	370
2,4,5-Trichlorophenol		48	U	48	370
Diphenyl		50	U	50	370
2-Chloronaphthalene		41	U	41	370
2-Nitroaniline		150	U	150	750
2,6-Dinitrotoluene		11	U	11	75
Dimethyl phthalate		44	U	44	370
Acenaphthylene		44	U	44	370
3-Nitroaniline		130	U	130	750
Acenaphthene		54	U	54	370
4-Nitrophenol		240	U	240	1100
2,4-Dinitrophenol		210	U	210	1100
Dibenzofuran		43	U	43	370
Diethyl phthalate		44	U	44	370
Fluorene		47	U	47	370
Fluoranthene		49	U	49	370
Di-n-butyl phthalate		46	U	46	370
2,4-Dinitrotoluene		12	U	12	75
4-Chlorophenyl phenyl ether		43	U	43	370
4-Nitroaniline		120	U	120	750
4,6-Dinitro-2-methylphenol		100	U	100	1100
4-Bromophenyl phenyl ether		37	U	37	370

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-9

Lab Sample ID: 460-41546-18

Date Sampled: 06/20/2012 1314

Client Matrix: Solid

% Moisture: 10.8

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117976

Instrument ID: BNAMS11

Prep Method: 3541

Prep Batch: 460-117106

Lab File ID: z19064.d

Dilution: 1.0

Initial Weight/Volume: 15.01 g

Analysis Date: 06/26/2012 1049

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0849

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		57	U	57	370
Anthracene		45	U	45	370
Carbazole		44	U	44	370
Phenanthrene		47	U	47	370
Pentachlorophenol		110	U	110	1100
Pyrene		31	U	31	370
Chrysene		43	U	43	370
Benzo[k]fluoranthene		2.8	U	2.8	37
Benzo[g,h,i]perylene		27	U	27	370
Benzo[b]fluoranthene		2.3	U	2.3	37
Benzo[a]pyrene		2.6	U	2.6	37
Benzo[a]anthracene		2.6	U	2.6	37
N-Nitrosodiphenylamine		37	U	37	370
Butyl benzyl phthalate		34	U	34	370
Bis(2-ethylhexyl) phthalate		120	U	120	370
Di-n-octyl phthalate		24	U	24	370
Indeno[1,2,3-cd]pyrene		6.9	U	6.9	37
Dibenz(a,h)anthracene		4.7	U	4.7	37
3,3'-Dichlorobenzidine		130	U	130	750
1,2,4,5-Tetrachlorobenzene		50	U	50	370
2,3,4,6-Tetrachlorophenol		48	U	48	370
1,4-Dioxane		27	U	27	370

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	64		38 - 105
Phenol-d5	87		41 - 118
Terphenyl-d14	92		16 - 151
2,4,6-Tribromophenol	69		10 - 120
2-Fluorophenol	72		37 - 125
2-Fluorobiphenyl	66		40 - 109

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-9

Lab Sample ID: 460-41546-18

Date Sampled: 06/20/2012 1314

Client Matrix: Solid

% Moisture: 10.8

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117976

Instrument ID: BNAMS11

Prep Method: 3541

Prep Batch: 460-117106

Lab File ID: z19064.d

Dilution: 1.0

Initial Weight/Volume: 15.01 g

Analysis Date: 06/26/2012 1049

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0849

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 0**

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-10

Lab Sample ID: 460-41546-19

Client Matrix: Solid

% Moisture: 9.7

Date Sampled: 06/20/2012 1348

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method:	8270C	Analysis Batch:	460-117976	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-117106	Lab File ID:	z19065.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	06/26/2012 1113			Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		49	U	49	360
2-Chlorophenol		48	U	48	360
2-Methylphenol		62	U	62	360
4-Methylphenol		72	U	72	360
Benzaldehyde		43	U	43	360
Acetophenone		56	U	56	360
Bis(2-chloroethyl)ether		5.0	U	5.0	36
2,2'-oxybis[1-chloropropane]		40	U	40	360
N-Nitrosodi-n-propylamine		6.1	U	6.1	36
Nitrobenzene		5.2	U	5.2	36
Hexachloroethane		4.1	U	4.1	36
Isophorone		44	U	44	360
2-Nitrophenol		41	U	41	360
2,4-Dimethylphenol		90	U	90	360
2,4-Dichlorophenol		53	U	53	360
Bis(2-chloroethoxy)methane		47	U	47	360
Naphthalene		42	U	42	360
4-Chloroaniline		97	U	97	360
Hexachlorobutadiene		8.9	U	8.9	74
Caprolactam		84	U	84	360
4-Chloro-3-methylphenol		55	U	55	360
2-Methylnaphthalene		47	U	47	360
Hexachlorobenzene		5.0	U	5.0	36
Hexachlorocyclopentadiene		43	U	43	360
2,4,6-Trichlorophenol		43	U	43	360
2,4,5-Trichlorophenol		47	U	47	360
Diphenyl		49	U	49	360
2-Chloronaphthalene		41	U	41	360
2-Nitroaniline		150	U	150	740
2,6-Dinitrotoluene		11	U	11	74
Dimethyl phthalate		43	U	43	360
Acenaphthylene		43	U	43	360
3-Nitroaniline		130	U	130	740
Acenaphthene		53	U	53	360
4-Nitrophenol		240	U	240	1100
2,4-Dinitrophenol		210	U	210	1100
Dibenzofuran		43	U	43	360
Diethyl phthalate		44	U	44	360
Fluorene		47	U	47	360
Fluoranthene		49	U	49	360
Di-n-butyl phthalate		45	U	45	360
2,4-Dinitrotoluene		12	U	12	74
4-Chlorophenyl phenyl ether		43	U	43	360
4-Nitroaniline		110	U	110	740
4,6-Dinitro-2-methylphenol		100	U	100	1100
4-Bromophenyl phenyl ether		36	U	36	360

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-10

Lab Sample ID: 460-41546-19

Date Sampled: 06/20/2012 1348

Client Matrix: Solid

% Moisture: 9.7

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method:	8270C	Analysis Batch:	460-117976	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-117106	Lab File ID:	z19065.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	06/26/2012 1113			Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		56	U	56	360
Anthracene		44	U	44	360
Carbazole		43	U	43	360
Phenanthrene		47	U	47	360
Pentachlorophenol		110	U	110	1100
Pyrene		31	U	31	360
Chrysene		43	U	43	360
Benzo[k]fluoranthene		2.8	U	2.8	36
Benzo[g,h,i]perylene		27	U	27	360
Benzo[b]fluoranthene		2.3	U	2.3	36
Benzo[a]pyrene		2.6	U	2.6	36
Benzo[a]anthracene		2.6	U	2.6	36
N-Nitrosodiphenylamine		36	U	36	360
Butyl benzyl phthalate		33	U	33	360
Bis(2-ethylhexyl) phthalate		120	U	120	360
Di-n-octyl phthalate		23	U	23	360
Indeno[1,2,3-cd]pyrene		6.8	U	6.8	36
Dibenz(a,h)anthracene		4.6	U	4.6	36
3,3'-Dichlorobenzidine		130	U	130	740
1,2,4,5-Tetrachlorobenzene		49	U	49	360
2,3,4,6-Tetrachlorophenol		48	U	48	360
1,4-Dioxane		27	U	27	360

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	50		38 - 105
Phenol-d5	74		41 - 118
Terphenyl-d14	97		16 - 151
2,4,6-Tribromophenol	55		10 - 120
2-Fluorophenol	59		37 - 125
2-Fluorobiphenyl	51		40 - 109

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-10

Lab Sample ID: 460-41546-19

Date Sampled: 06/20/2012 1348

Client Matrix: Solid

% Moisture: 9.7

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117976

Instrument ID: BNAMS11

Prep Method: 3541

Prep Batch: 460-117106

Lab File ID: z19065.d

Dilution: 1.0

Initial Weight/Volume: 15.02 g

Analysis Date: 06/26/2012 1113

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0849

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 0**

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-11

Lab Sample ID: 460-41546-20

Date Sampled: 06/20/2012 1352

Client Matrix: Solid

% Moisture: 10.1

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117489

Instrument ID: BNAMS4

Prep Method: 3541

Prep Batch: 460-117111

Lab File ID: u77722.d

Dilution: 1.0

Initial Weight/Volume: 15.02 g

Analysis Date: 06/25/2012 1445

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0858

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		49	U	49	370
2-Chlorophenol		48	U	48	370
2-Methylphenol		63	U	63	370
4-Methylphenol		72	U	72	370
Benzaldehyde		43	U	43	370
Acetophenone		56	U	56	370
Bis(2-chloroethyl)ether		5.0	U	5.0	37
2,2'-oxybis[1-chloropropane]		41	U	41	370
N-Nitrosodi-n-propylamine		6.1	U	6.1	37
Nitrobenzene		5.2	U	5.2	37
Hexachloroethane		4.1	U	4.1	37
Isophorone		45	U	45	370
2-Nitrophenol		41	U	41	370
2,4-Dimethylphenol		91	U	91	370
2,4-Dichlorophenol		54	U	54	370
Bis(2-chloroethoxy)methane		47	U	47	370
Naphthalene		43	U	43	370
4-Chloroaniline		97	U	97	370
Hexachlorobutadiene		9.0	U	9.0	74
Caprolactam		85	U	85	370
4-Chloro-3-methylphenol		55	U	55	370
2-Methylnaphthalene		47	U	47	370
Hexachlorobenzene		5.0	U	5.0	37
Hexachlorocyclopentadiene		43	U	43	370
2,4,6-Trichlorophenol		43	U	43	370
2,4,5-Trichlorophenol		47	U	47	370
Diphenyl		49	U	49	370
2-Chloronaphthalene		41	U	41	370
2-Nitroaniline		150	U	150	740
2,6-Dinitrotoluene		11	U	11	74
Dimethyl phthalate		44	U	44	370
Acenaphthylene		43	U	43	370
3-Nitroaniline		130	U	130	740
Acenaphthene		54	U	54	370
4-Nitrophenol		240	U	240	1100
2,4-Dinitrophenol		210	U	210	1100
Dibenzofuran		43	U	43	370
Diethyl phthalate		44	U	44	370
Fluorene		47	U	47	370
Fluoranthene		49	U	49	370
Di-n-butyl phthalate		45	U	45	370
2,4-Dinitrotoluene		12	U	12	74
4-Chlorophenyl phenyl ether		43	U	43	370
4-Nitroaniline		110	U	110	740
4,6-Dinitro-2-methylphenol		100	U	100	1100
4-Bromophenyl phenyl ether		36	U	36	370

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-11

Lab Sample ID: 460-41546-20

Date Sampled: 06/20/2012 1352

Client Matrix: Solid

% Moisture: 10.1

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117489

Instrument ID: BNAMS4

Prep Method: 3541

Prep Batch: 460-117111

Lab File ID: u77722.d

Dilution: 1.0

Initial Weight/Volume: 15.02 g

Analysis Date: 06/25/2012 1445

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0858

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		57	U	57	370
Anthracene		45	U	45	370
Carbazole		43	U	43	370
Phenanthrene		47	U	47	370
Pentachlorophenol		110	U	110	1100
Pyrene		31	U	31	370
Chrysene		43	U	43	370
Benzo[k]fluoranthene		2.8	U	2.8	37
Benzo[g,h,i]perylene		27	U	27	370
Benzo[b]fluoranthene		2.3	U	2.3	37
Benzo[a]pyrene		2.6	U	2.6	37
Benzo[a]anthracene		2.6	U	2.6	37
N-Nitrosodiphenylamine		36	U	36	370
Butyl benzyl phthalate		34	U	34	370
Bis(2-ethylhexyl) phthalate		120	U	120	370
Di-n-octyl phthalate		23	U	23	370
Indeno[1,2,3-cd]pyrene		6.8	U	6.8	37
Dibenz(a,h)anthracene		4.6	U	4.6	37
3,3'-Dichlorobenzidine		130	U	130	740
1,2,4,5-Tetrachlorobenzene		49	U *	49	370
2,3,4,6-Tetrachlorophenol		48	U	48	370
1,4-Dioxane		27	U	27	370

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	44		38 - 105
Phenol-d5	91		41 - 118
Terphenyl-d14	93		16 - 151
2,4,6-Tribromophenol	68		10 - 120
2-Fluorophenol	71		37 - 125
2-Fluorobiphenyl	47		40 - 109

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-11

Lab Sample ID: 460-41546-20

Date Sampled: 06/20/2012 1352

Client Matrix: Solid

% Moisture: 10.1

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117489

Instrument ID: BNAMS4

Prep Method: 3541

Prep Batch: 460-117111

Lab File ID: u77722.d

Dilution: 1.0

Initial Weight/Volume: 15.02 g

Analysis Date: 06/25/2012 1445

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0858

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 0**

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-12

Lab Sample ID: 460-41546-21

Client Matrix: Solid

% Moisture: 7.3

Date Sampled: 06/20/2012 1510

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method:	8270C	Analysis Batch:	460-117976	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-117106	Lab File ID:	z19066.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	06/26/2012 1136			Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		48	U	48	360
2-Chlorophenol		47	U	47	360
2-Methylphenol		61	U	61	360
4-Methylphenol		70	U	70	360
Benzaldehyde		42	U	42	360
Acetophenone		55	U	55	360
Bis(2-chloroethyl)ether		4.9	U	4.9	36
2,2'-oxybis[1-chloropropane]		39	U	39	360
N-Nitrosodi-n-propylamine		5.9	U	5.9	36
Nitrobenzene		5.1	U	5.1	36
Hexachloroethane		4.0	U	4.0	36
Isophorone		43	U	43	360
2-Nitrophenol		40	U	40	360
2,4-Dimethylphenol		88	U	88	360
2,4-Dichlorophenol		52	U	52	360
Bis(2-chloroethoxy)methane		46	U	46	360
Naphthalene		41	U	41	360
4-Chloroaniline		94	U	94	360
Hexachlorobutadiene		8.7	U	8.7	72
Caprolactam		82	U	82	360
4-Chloro-3-methylphenol		54	U	54	360
2-Methylnaphthalene		46	U	46	360
Hexachlorobenzene		4.9	U	4.9	36
Hexachlorocyclopentadiene		42	U	42	360
2,4,6-Trichlorophenol		42	U	42	360
2,4,5-Trichlorophenol		46	U	46	360
Diphenyl		48	U	48	360
2-Chloronaphthalene		40	U	40	360
2-Nitroaniline		150	U	150	720
2,6-Dinitrotoluene		11	U	11	72
Dimethyl phthalate		42	U	42	360
Acenaphthylene		42	U	42	360
3-Nitroaniline		130	U	130	720
Acenaphthene		52	U	52	360
4-Nitrophenol		230	U	230	1100
2,4-Dinitrophenol		200	U	200	1100
Dibenzofuran		42	U	42	360
Diethyl phthalate		42	U	42	360
Fluorene		46	U	46	360
Fluoranthene		47	U	47	360
Di-n-butyl phthalate		44	U	44	360
2,4-Dinitrotoluene		12	U	12	72
4-Chlorophenyl phenyl ether		42	U	42	360
4-Nitroaniline		110	U	110	720
4,6-Dinitro-2-methylphenol		97	U	97	1100
4-Bromophenyl phenyl ether		35	U	35	360

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-12

Lab Sample ID: 460-41546-21

Date Sampled: 06/20/2012 1510

Client Matrix: Solid

% Moisture: 7.3

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method:	8270C	Analysis Batch:	460-117976	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-117106	Lab File ID:	z19066.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	06/26/2012 1136			Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0849			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		55	U	55	360
Anthracene		43	U	43	360
Carbazole		42	U	42	360
Phenanthrene		45	U	45	360
Pentachlorophenol		110	U	110	1100
Pyrene		30	U	30	360
Chrysene		42	U	42	360
Benzo[k]fluoranthene		2.7	U	2.7	36
Benzo[g,h,i]perylene		26	U	26	360
Benzo[b]fluoranthene		2.3	U	2.3	36
Benzo[a]pyrene		2.5	U	2.5	36
Benzo[a]anthracene		2.5	U	2.5	36
N-Nitrosodiphenylamine		35	U	35	360
Butyl benzyl phthalate		33	U	33	360
Bis(2-ethylhexyl) phthalate		120	U	120	360
Di-n-octyl phthalate		23	U	23	360
Indeno[1,2,3-cd]pyrene		6.6	U	6.6	36
Dibenz(a,h)anthracene		4.5	U	4.5	36
3,3'-Dichlorobenzidine		120	U	120	720
1,2,4,5-Tetrachlorobenzene		48	U	48	360
2,3,4,6-Tetrachlorophenol		46	U	46	360
1,4-Dioxane		26	U	26	360

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	61		38 - 105
Phenol-d5	90		41 - 118
Terphenyl-d14	94		16 - 151
2,4,6-Tribromophenol	66		10 - 120
2-Fluorophenol	74		37 - 125
2-Fluorobiphenyl	60		40 - 109

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-12

Lab Sample ID: 460-41546-21

Date Sampled: 06/20/2012 1510

Client Matrix: Solid

% Moisture: 7.3

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117976

Instrument ID: BNAMS11

Prep Method: 3541

Prep Batch: 460-117106

Lab File ID: z19066.d

Dilution: 1.0

Initial Weight/Volume: 15.02 g

Analysis Date: 06/26/2012 1136

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0849

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 0**

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-13

Lab Sample ID: 460-41546-22

Date Sampled: 06/20/2012 1520

Client Matrix: Solid

% Moisture: 10.0

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117489

Instrument ID: BNAMS4

Prep Method: 3541

Prep Batch: 460-117111

Lab File ID: u77744.d

Dilution: 1.0

Initial Weight/Volume: 15.02 g

Analysis Date: 06/25/2012 2211

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0858

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		49	U	49	370
2-Chlorophenol		48	U	48	370
2-Methylphenol		63	U	63	370
4-Methylphenol		72	U	72	370
Benzaldehyde		43	U	43	370
Acetophenone		56	U	56	370
Bis(2-chloroethyl)ether		5.0	U	5.0	37
2,2'-oxybis[1-chloropropane]		41	U	41	370
N-Nitrosodi-n-propylamine		6.1	U	6.1	37
Nitrobenzene		5.2	U	5.2	37
Hexachloroethane		4.1	U	4.1	37
Isophorone		45	U	45	370
2-Nitrophenol		41	U	41	370
2,4-Dimethylphenol		91	U	91	370
2,4-Dichlorophenol		54	U	54	370
Bis(2-chloroethoxy)methane		47	U	47	370
Naphthalene		43	U	43	370
4-Chloroaniline		97	U	97	370
Hexachlorobutadiene		9.0	U	9.0	74
Caprolactam		85	U	85	370
4-Chloro-3-methylphenol		55	U	55	370
2-Methylnaphthalene		47	U	47	370
Hexachlorobenzene		5.0	U	5.0	37
Hexachlorocyclopentadiene		43	U	43	370
2,4,6-Trichlorophenol		43	U	43	370
2,4,5-Trichlorophenol		47	U	47	370
Diphenyl		49	U	49	370
2-Chloronaphthalene		41	U	41	370
2-Nitroaniline		150	U	150	740
2,6-Dinitrotoluene		11	U	11	74
Dimethyl phthalate		44	U	44	370
Acenaphthylene		43	U	43	370
3-Nitroaniline		130	U	130	740
Acenaphthene		54	U	54	370
4-Nitrophenol		240	U	240	1100
2,4-Dinitrophenol		210	U	210	1100
Dibenzofuran		43	U	43	370
Diethyl phthalate		44	U	44	370
Fluorene		47	U	47	370
Fluoranthene		49	U	49	370
Di-n-butyl phthalate		45	U	45	370
2,4-Dinitrotoluene		12	U	12	74
4-Chlorophenyl phenyl ether		43	U	43	370
4-Nitroaniline		110	U	110	740
4,6-Dinitro-2-methylphenol		100	U	100	1100
4-Bromophenyl phenyl ether		36	U	36	370

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-13

Lab Sample ID: 460-41546-22

Date Sampled: 06/20/2012 1520

Client Matrix: Solid

% Moisture: 10.0

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117489

Instrument ID: BNAMS4

Prep Method: 3541

Prep Batch: 460-117111

Lab File ID: u77744.d

Dilution: 1.0

Initial Weight/Volume: 15.02 g

Analysis Date: 06/25/2012 2211

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0858

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		57	U	57	370
Anthracene		45	U	45	370
Carbazole		43	U	43	370
Phenanthrene		47	U	47	370
Pentachlorophenol		110	U	110	1100
Pyrene		31	U	31	370
Chrysene		43	U	43	370
Benzo[k]fluoranthene		2.8	U	2.8	37
Benzo[g,h,i]perylene		27	U	27	370
Benzo[b]fluoranthene		2.3	U	2.3	37
Benzo[a]pyrene		2.6	U	2.6	37
Benzo[a]anthracene		2.6	U	2.6	37
N-Nitrosodiphenylamine		36	U	36	370
Butyl benzyl phthalate		34	U	34	370
Bis(2-ethylhexyl) phthalate		120	U	120	370
Di-n-octyl phthalate		23	U	23	370
Indeno[1,2,3-cd]pyrene		6.8	U	6.8	37
Dibenz(a,h)anthracene		4.6	U	4.6	37
3,3'-Dichlorobenzidine		130	U	130	740
1,2,4,5-Tetrachlorobenzene		49	U *	49	370
2,3,4,6-Tetrachlorophenol		48	U	48	370
1,4-Dioxane		27	U	27	370

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	48		38 - 105
Phenol-d5	79		41 - 118
Terphenyl-d14	102		16 - 151
2,4,6-Tribromophenol	57		10 - 120
2-Fluorophenol	68		37 - 125
2-Fluorobiphenyl	58		40 - 109

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-13

Lab Sample ID: 460-41546-22

Date Sampled: 06/20/2012 1520

Client Matrix: Solid

% Moisture: 10.0

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117489

Instrument ID: BNAMS4

Prep Method: 3541

Prep Batch: 460-117111

Lab File ID: u77744.d

Dilution: 1.0

Initial Weight/Volume: 15.02 g

Analysis Date: 06/25/2012 2211

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0858

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 5**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown-1	9.67	350	J
	Unknown-2	13.33	480	J
	Unknown-3	13.56	590	J
	Unknown-4	13.71	410	J
	Unknown-5	15.11	650	J

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: FB-E

Lab Sample ID: 460-41546-23

Date Sampled: 06/20/2012 0000

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117489

Instrument ID: BNAMS4

Prep Method: 3541

Prep Batch: 460-117111

Lab File ID: u77723.d

Dilution: 1.0

Initial Weight/Volume: 15.03 g

Analysis Date: 06/25/2012 1506

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0858

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		50	U	50	370
2-Chlorophenol		49	U	49	370
2-Methylphenol		64	U	64	370
4-Methylphenol		74	U	74	370
Benzaldehyde		44	U	44	370
Acetophenone		58	U	58	370
Bis(2-chloroethyl)ether		5.1	U	5.1	37
2,2'-oxybis[1-chloropropane]		41	U	41	370
N-Nitrosodi-n-propylamine		6.2	U	6.2	37
Nitrobenzene		5.3	U	5.3	37
Hexachloroethane		4.2	U	4.2	37
Isophorone		45	U	45	370
2-Nitrophenol		42	U	42	370
2,4-Dimethylphenol		92	U	92	370
2,4-Dichlorophenol		55	U	55	370
Bis(2-chloroethoxy)methane		48	U	48	370
Naphthalene		43	U	43	370
4-Chloroaniline		99	U	99	370
Hexachlorobutadiene		9.1	U	9.1	76
Caprolactam		86	U	86	370
4-Chloro-3-methylphenol		56	U	56	370
2-Methylnaphthalene		48	U	48	370
Hexachlorobenzene		5.1	U	5.1	37
Hexachlorocyclopentadiene		44	U	44	370
2,4,6-Trichlorophenol		44	U	44	370
2,4,5-Trichlorophenol		48	U	48	370
Diphenyl		50	U	50	370
2-Chloronaphthalene		42	U	42	370
2-Nitroaniline		160	U	160	760
2,6-Dinitrotoluene		11	U	11	76
Dimethyl phthalate		44	U	44	370
Acenaphthylene		44	U	44	370
3-Nitroaniline		130	U	130	760
Acenaphthene		55	U	55	370
4-Nitrophenol		240	U	240	1100
2,4-Dinitrophenol		210	U	210	1100
Dibenzofuran		44	U	44	370
Diethyl phthalate		45	U	45	370
Fluorene		48	U	48	370
Fluoranthene		50	U	50	370
Di-n-butyl phthalate		46	U	46	370
2,4-Dinitrotoluene		12	U	12	76
4-Chlorophenyl phenyl ether		44	U	44	370
4-Nitroaniline		120	U	120	760
4,6-Dinitro-2-methylphenol		100	U	100	1100
4-Bromophenyl phenyl ether		37	U	37	370

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: FB-E

Lab Sample ID: 460-41546-23

Date Sampled: 06/20/2012 0000

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117489

Instrument ID: BNAMS4

Prep Method: 3541

Prep Batch: 460-117111

Lab File ID: u77723.d

Dilution: 1.0

Initial Weight/Volume: 15.03 g

Analysis Date: 06/25/2012 1506

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0858

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		58	U	58	370
Anthracene		46	U	46	370
Carbazole		44	U	44	370
Phenanthrene		48	U	48	370
Pentachlorophenol		110	U	110	1100
Pyrene		31	U	31	370
Chrysene		44	U	44	370
Benzo[k]fluoranthene		2.8	U	2.8	37
Benzo[g,h,i]perylene		28	U	28	370
Benzo[b]fluoranthene		2.4	U	2.4	37
Benzo[a]pyrene		2.6	U	2.6	37
Benzo[a]anthracene		2.6	U	2.6	37
N-Nitrosodiphenylamine		37	U	37	370
Butyl benzyl phthalate		34	U	34	370
Bis(2-ethylhexyl) phthalate		150	J	120	370
Di-n-octyl phthalate		24	U	24	370
Indeno[1,2,3-cd]pyrene		7.0	U	7.0	37
Dibenz(a,h)anthracene		4.7	U	4.7	37
3,3'-Dichlorobenzidine		130	U	130	760
1,2,4,5-Tetrachlorobenzene		50	U *	50	370
2,3,4,6-Tetrachlorophenol		49	U	49	370
1,4-Dioxane		27	U	27	370

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	46		38 - 105
Phenol-d5	85		41 - 118
Terphenyl-d14	86		16 - 151
2,4,6-Tribromophenol	59		10 - 120
2-Fluorophenol	67		37 - 125
2-Fluorobiphenyl	45		40 - 109

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: FB-E

Lab Sample ID: 460-41546-23

Date Sampled: 06/20/2012 0000

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/20/2012 1740

8270C TCL BNA + 25 TICs

Analysis Method: 8270C

Analysis Batch: 460-117489

Instrument ID: BNAMS4

Prep Method: 3541

Prep Batch: 460-117111

Lab File ID: u77723.d

Dilution: 1.0

Initial Weight/Volume: 15.03 g

Analysis Date: 06/25/2012 1506

Final Weight/Volume: 1 mL

Prep Date: 06/22/2012 0858

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Degradation product of 2,4,6-Tribromophenol(sur)	8.39	360	J

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-8

Lab Sample ID: 460-41546-17

Date Sampled: 06/20/2012 1305

Client Matrix: Solid

% Moisture: 9.1

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method:	8081A	Analysis Batch:	460-117505	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-117130	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/25/2012 0844			Injection Volume:	1 uL
Prep Date:	06/22/2012 0949			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.6	U	1.6	7.4
alpha-BHC		1.4	U	1.4	7.4
beta-BHC		1.0	U	1.0	7.4
delta-BHC		1.1	U	1.1	7.4
gamma-BHC (Lindane)		0.86	U	0.86	7.4
Chlordane		16	U	16	74
4,4'-DDD		0.88	U	0.88	7.4
4,4'-DDE		1.4	U	1.4	7.4
4,4'-DDT		7.8		0.92	7.4
Dieldrin		1.4	U	1.4	7.4
Endosulfan I		1.5	U	1.5	7.4
Endosulfan II		1.1	U	1.1	7.4
Endosulfan sulfate		0.94	U	0.94	7.4
Endrin		1.0	U	1.0	7.4
Endrin aldehyde		1.8	U	1.8	7.4
Endrin ketone		1.1	U	1.1	7.4
Heptachlor		1.1	U	1.1	7.4
Heptachlor epoxide		1.5	U	1.5	7.4
Methoxychlor		0.82	U	0.82	7.4
Toxaphene		15	U	15	74

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		40 - 150
DCB Decachlorobiphenyl	98		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-8

Lab Sample ID: 460-41546-17

Date Sampled: 06/20/2012 1305

Client Matrix: Solid

% Moisture: 9.1

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method: 8081A

Analysis Batch: 460-117505

Instrument ID: PESTGC4

Prep Method: 3541

Prep Batch: 460-117130

Initial Weight/Volume: 15.02 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/25/2012 0844

Injection Volume: 1 uL

Prep Date: 06/22/2012 0949

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		40 - 150
DCB Decachlorobiphenyl	96		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-9

Lab Sample ID: 460-41546-18

Date Sampled: 06/20/2012 1314

Client Matrix: Solid

% Moisture: 10.8

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method:	8081A	Analysis Batch:	460-117505	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-117130	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/25/2012 0858			Injection Volume:	1 uL
Prep Date:	06/22/2012 0949			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.6	U	1.6	7.5
alpha-BHC		1.4	U	1.4	7.5
beta-BHC		1.0	U	1.0	7.5
delta-BHC		1.1	U	1.1	7.5
gamma-BHC (Lindane)		0.87	U	0.87	7.5
Chlordane		16	U	16	75
4,4'-DDD		0.90	U	0.90	7.5
4,4'-DDE		1.5	U	1.5	7.5
4,4'-DDT		0.94	U	0.94	7.5
Dieldrin		1.4	U	1.4	7.5
Endosulfan I		1.6	U	1.6	7.5
Endosulfan II		1.1	U	1.1	7.5
Endosulfan sulfate		0.96	U	0.96	7.5
Endrin		1.1	U	1.1	7.5
Endrin aldehyde		1.9	U	1.9	7.5
Endrin ketone		1.1	U	1.1	7.5
Heptachlor		1.1	U	1.1	7.5
Heptachlor epoxide		1.5	U	1.5	7.5
Methoxychlor		0.84	U	0.84	7.5
Toxaphene		16	U	16	75

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		40 - 150
DCB Decachlorobiphenyl	98		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-9

Lab Sample ID: 460-41546-18

Date Sampled: 06/20/2012 1314

Client Matrix: Solid

% Moisture: 10.8

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method: 8081A

Analysis Batch: 460-117505

Instrument ID: PESTGC4

Prep Method: 3541

Prep Batch: 460-117130

Initial Weight/Volume: 15.01 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/25/2012 0858

Injection Volume: 1 uL

Prep Date: 06/22/2012 0949

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		40 - 150
DCB Decachlorobiphenyl	90		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-10

Lab Sample ID: 460-41546-19

Client Matrix: Solid

% Moisture: 9.7

Date Sampled: 06/20/2012 1348

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method:	8081A	Analysis Batch:	460-117505	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-117130	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/25/2012 0912			Injection Volume:	1 uL
Prep Date:	06/22/2012 0949			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.6	U	1.6	7.4
alpha-BHC		1.4	U	1.4	7.4
beta-BHC		1.0	U	1.0	7.4
delta-BHC		1.1	U	1.1	7.4
gamma-BHC (Lindane)		0.86	U	0.86	7.4
Chlordane		16	U	16	74
4,4'-DDD		0.89	U	0.89	7.4
4,4'-DDE		1.4	U	1.4	7.4
4,4'-DDT		0.93	U	0.93	7.4
Dieldrin		1.4	U	1.4	7.4
Endosulfan I		1.6	U	1.6	7.4
Endosulfan II		1.1	U	1.1	7.4
Endosulfan sulfate		0.95	U	0.95	7.4
Endrin		1.0	U	1.0	7.4
Endrin aldehyde		1.8	U	1.8	7.4
Endrin ketone		1.1	U	1.1	7.4
Heptachlor		1.1	U	1.1	7.4
Heptachlor epoxide		1.5	U	1.5	7.4
Methoxychlor		0.83	U	0.83	7.4
Toxaphene		15	U	15	74

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	102		40 - 150
DCB Decachlorobiphenyl	106		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-10

Lab Sample ID: 460-41546-19

Date Sampled: 06/20/2012 1348

Client Matrix: Solid

% Moisture: 9.7

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method: 8081A

Analysis Batch: 460-117505

Instrument ID: PESTGC4

Prep Method: 3541

Prep Batch: 460-117130

Initial Weight/Volume: 15.00 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/25/2012 0912

Injection Volume: 1 uL

Prep Date: 06/22/2012 0949

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	96		40 - 150
DCB Decachlorobiphenyl	97		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-11

Lab Sample ID: 460-41546-20

Date Sampled: 06/20/2012 1352

Client Matrix: Solid

% Moisture: 10.1

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method:	8081A	Analysis Batch:	460-117505	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-117130	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/25/2012 0926			Injection Volume:	1 uL
Prep Date:	06/22/2012 0949			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.6	U	1.6	7.5
alpha-BHC		1.4	U	1.4	7.5
beta-BHC		1.0	U	1.0	7.5
delta-BHC		1.1	U	1.1	7.5
gamma-BHC (Lindane)		0.87	U	0.87	7.5
Chlordane		16	U	16	75
4,4'-DDD		0.89	U	0.89	7.5
4,4'-DDE		1.4	U	1.4	7.5
4,4'-DDT		0.93	U	0.93	7.5
Dieldrin		1.4	U	1.4	7.5
Endosulfan I		1.6	U	1.6	7.5
Endosulfan II		1.1	U	1.1	7.5
Endosulfan sulfate		0.96	U	0.96	7.5
Endrin		1.0	U	1.0	7.5
Endrin aldehyde		1.9	U	1.9	7.5
Endrin ketone		1.1	U	1.1	7.5
Heptachlor		1.1	U	1.1	7.5
Heptachlor epoxide		1.5	U	1.5	7.5
Methoxychlor		0.83	U	0.83	7.5
Toxaphene		16	U	16	75

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		40 - 150
DCB Decachlorobiphenyl	90		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-11

Lab Sample ID: 460-41546-20

Date Sampled: 06/20/2012 1352

Client Matrix: Solid

% Moisture: 10.1

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method: 8081A

Analysis Batch: 460-117505

Instrument ID: PESTGC4

Prep Method: 3541

Prep Batch: 460-117130

Initial Weight/Volume: 15.00 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/25/2012 0926

Injection Volume: 1 uL

Prep Date: 06/22/2012 0949

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		40 - 150
DCB Decachlorobiphenyl	85		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-12

Lab Sample ID: 460-41546-21

Date Sampled: 06/20/2012 1510

Client Matrix: Solid

% Moisture: 7.3

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method:	8081A	Analysis Batch:	460-117505	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-117130	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/25/2012 0830			Injection Volume:	1 uL
Prep Date:	06/22/2012 0949			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.6	U	1.6	7.2
alpha-BHC		1.3	U	1.3	7.2
beta-BHC		0.98	U	0.98	7.2
delta-BHC		1.1	U	1.1	7.2
gamma-BHC (Lindane)		0.84	U	0.84	7.2
Chlordane		16	U	16	72
4,4'-DDD		0.86	U	0.86	7.2
4,4'-DDE		1.4	U	1.4	7.2
4,4'-DDT		0.90	U	0.90	7.2
Dieldrin		1.4	U	1.4	7.2
Endosulfan I		1.5	U	1.5	7.2
Endosulfan II		1.1	U	1.1	7.2
Endosulfan sulfate		0.93	U	0.93	7.2
Endrin		1.0	U	1.0	7.2
Endrin aldehyde		1.8	U	1.8	7.2
Endrin ketone		1.1	U	1.1	7.2
Heptachlor		1.0	U	1.0	7.2
Heptachlor epoxide		1.5	U	1.5	7.2
Methoxychlor		0.81	U	0.81	7.2
Toxaphene		15	U	15	72

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		40 - 150
DCB Decachlorobiphenyl	104		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-12

Lab Sample ID: 460-41546-21

Date Sampled: 06/20/2012 1510

Client Matrix: Solid

% Moisture: 7.3

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method: 8081A

Analysis Batch: 460-117505

Instrument ID: PESTGC4

Prep Method: 3541

Prep Batch: 460-117130

Initial Weight/Volume: 15.04 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/25/2012 0830

Injection Volume: 1 uL

Prep Date: 06/22/2012 0949

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		40 - 150
DCB Decachlorobiphenyl	95		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-13

Lab Sample ID: 460-41546-22

Date Sampled: 06/20/2012 1520

Client Matrix: Solid

% Moisture: 10.0

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method:	8081A	Analysis Batch:	460-117505	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-117130	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/25/2012 0940			Injection Volume:	1 uL
Prep Date:	06/22/2012 0949			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.6	U	1.6	7.4
alpha-BHC		1.4	U	1.4	7.4
beta-BHC		1.0	U	1.0	7.4
delta-BHC		1.1	U	1.1	7.4
gamma-BHC (Lindane)		0.87	U	0.87	7.4
Chlordane		58	J p	16	74
4,4'-DDD		46		0.89	7.4
4,4'-DDE		17		1.4	7.4
4,4'-DDT		9.9		0.93	7.4
Dieldrin		4.7	J p	1.4	7.4
Endosulfan I		1.6	U	1.6	7.4
Endosulfan II		1.1	U	1.1	7.4
Endosulfan sulfate		0.95	U	0.95	7.4
Endrin		1.0	U	1.0	7.4
Endrin aldehyde		1.9	U	1.9	7.4
Endrin ketone		1.1	U	1.1	7.4
Heptachlor		1.1	U	1.1	7.4
Heptachlor epoxide		1.5	U	1.5	7.4
Methoxychlor		0.83	U	0.83	7.4
Toxaphene		16	U	16	74

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	102		40 - 150
DCB Decachlorobiphenyl	101		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-13

Lab Sample ID: 460-41546-22

Date Sampled: 06/20/2012 1520

Client Matrix: Solid

% Moisture: 10.0

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method: 8081A

Analysis Batch: 460-117505

Instrument ID: PESTGC4

Prep Method: 3541

Prep Batch: 460-117130

Initial Weight/Volume: 15.03 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/25/2012 0940

Injection Volume: 1 uL

Prep Date: 06/22/2012 0949

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		40 - 150
DCB Decachlorobiphenyl	97		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: FB-E

Lab Sample ID: 460-41546-23

Date Sampled: 06/20/2012 0000

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method:	8081A	Analysis Batch:	460-117505	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-117130	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/25/2012 0954			Injection Volume:	1 uL
Prep Date:	06/22/2012 0949			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.7	U	1.7	7.6
alpha-BHC		1.4	U	1.4	7.6
beta-BHC		1.0	U	1.0	7.6
delta-BHC		1.2	U	1.2	7.6
gamma-BHC (Lindane)		0.88	U	0.88	7.6
Chlordane		16	U	16	76
4,4'-DDD		0.91	U	0.91	7.6
4,4'-DDE		1.5	U	1.5	7.6
4,4'-DDT		0.95	U	0.95	7.6
Dieldrin		1.5	U	1.5	7.6
Endosulfan I		1.6	U	1.6	7.6
Endosulfan II		1.1	U	1.1	7.6
Endosulfan sulfate		0.98	U	0.98	7.6
Endrin		1.1	U	1.1	7.6
Endrin aldehyde		1.9	U	1.9	7.6
Endrin ketone		1.1	U	1.1	7.6
Heptachlor		1.1	U	1.1	7.6
Heptachlor epoxide		1.5	U	1.5	7.6
Methoxychlor		0.85	U	0.85	7.6
Toxaphene		16	U	16	76

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		40 - 150
DCB Decachlorobiphenyl	102		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: FB-E

Lab Sample ID: 460-41546-23

Date Sampled: 06/20/2012 0000

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/20/2012 1740

8081A TCL Pesticides (OLM04.2)

Analysis Method: 8081A

Analysis Batch: 460-117505

Instrument ID: PESTGC4

Prep Method: 3541

Prep Batch: 460-117130

Initial Weight/Volume: 15.01 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/25/2012 0954

Injection Volume: 1 µL

Prep Date: 06/22/2012 0949

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		40 - 150
DCB Decachlorobiphenyl	93		53 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-8

Lab Sample ID: 460-41546-17

Date Sampled: 06/20/2012 1305

Client Matrix: Solid

% Moisture: 9.1

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.05 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 2115

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		14	U	14	73
Aroclor 1221		22	U	22	73
Aroclor 1232		42	U	42	73
Aroclor 1242		14	U	14	73
Aroclor 1248		20	U	20	73
Aroclor 1254		86		25	73
Aroclor 1260		8.2	U	8.2	73
Aroclor 1262		13	U	13	73
Aroclor 1268		13	U	13	73

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-8

Lab Sample ID: 460-41546-17

Date Sampled: 06/20/2012 1305

Client Matrix: Solid

% Moisture: 9.1

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.05 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 2115

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		30 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-9

Lab Sample ID: 460-41546-18

Date Sampled: 06/20/2012 1314

Client Matrix: Solid

% Moisture: 10.8

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.04 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 2131

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		14	U	14	75
Aroclor 1221		23	U	23	75
Aroclor 1232		42	U	42	75
Aroclor 1242		14	U	14	75
Aroclor 1248		20	U	20	75
Aroclor 1254		26	U	26	75
Aroclor 1260		48	J	8.4	75
Aroclor 1262		13	U	13	75
Aroclor 1268		13	U	13	75

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		30 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-9

Lab Sample ID: 460-41546-18

Date Sampled: 06/20/2012 1314

Client Matrix: Solid

% Moisture: 10.8

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.04 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 2131

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: SECONDARY

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-10

Lab Sample ID: 460-41546-19

Date Sampled: 06/20/2012 1348

Client Matrix: Solid

% Moisture: 9.7

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.00 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 2147

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		14	U	14	74
Aroclor 1221		22	U	22	74
Aroclor 1232		42	U	42	74
Aroclor 1242		14	U	14	74
Aroclor 1248		20	U	20	74
Aroclor 1254		25	U	25	74
Aroclor 1260		8.3	U	8.3	74
Aroclor 1262		13	U	13	74
Aroclor 1268		13	U	13	74

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		30 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-10

Lab Sample ID: 460-41546-19

Date Sampled: 06/20/2012 1348

Client Matrix: Solid

% Moisture: 9.7

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.00 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 2147

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		30 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-11

Lab Sample ID: 460-41546-20

Date Sampled: 06/20/2012 1352

Client Matrix: Solid

% Moisture: 10.1

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.03 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 2203

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		14	U	14	74
Aroclor 1221		22	U	22	74
Aroclor 1232		42	U	42	74
Aroclor 1242		14	U	14	74
Aroclor 1248		20	U	20	74
Aroclor 1254		25	U	25	74
Aroclor 1260		22	J	8.3	74
Aroclor 1262		13	U	13	74
Aroclor 1268		13	U	13	74

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-11

Lab Sample ID: 460-41546-20

Date Sampled: 06/20/2012 1352

Client Matrix: Solid

% Moisture: 10.1

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.03 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 2203

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: SECONDARY

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-12

Lab Sample ID: 460-41546-21

Date Sampled: 06/20/2012 1510

Client Matrix: Solid

% Moisture: 7.3

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.01 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 1835

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		14	U	14	72
Aroclor 1221		22	U	22	72
Aroclor 1232		41	U	41	72
Aroclor 1242		14	U	14	72
Aroclor 1248		19	U	19	72
Aroclor 1254		25	U	25	72
Aroclor 1260		8.1	U	8.1	72
Aroclor 1262		12	U	12	72
Aroclor 1268		12	U	12	72

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	123		30 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-12

Lab Sample ID: 460-41546-21

Date Sampled: 06/20/2012 1510

Client Matrix: Solid

% Moisture: 7.3

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.01 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 1835

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	118		30 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-13

Lab Sample ID: 460-41546-22

Date Sampled: 06/20/2012 1520

Client Matrix: Solid

% Moisture: 10.0

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.02 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 2219

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		14	U	14	74
Aroclor 1221		22	U	22	74
Aroclor 1232		42	U	42	74
Aroclor 1242		14	U	14	74
Aroclor 1248		20	U	20	74
Aroclor 1254		280		25	74
Aroclor 1260		8.3	U	8.3	74
Aroclor 1262		13	U	13	74
Aroclor 1268		13	U	13	74

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	132		30 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-13

Lab Sample ID: 460-41546-22

Date Sampled: 06/20/2012 1520

Client Matrix: Solid

% Moisture: 10.0

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.02 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 2219

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		30 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: FB-E

Lab Sample ID: 460-41546-23

Date Sampled: 06/20/2012 0000

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.00 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 2235

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		15	U	15	76
Aroclor 1221		23	U	23	76
Aroclor 1232		43	U	43	76
Aroclor 1242		14	U	14	76
Aroclor 1248		20	U	20	76
Aroclor 1254		26	U	26	76
Aroclor 1260		8.5	U	8.5	76
Aroclor 1262		13	U	13	76
Aroclor 1268		13	U	13	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		30 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: FB-E

Lab Sample ID: 460-41546-23

Date Sampled: 06/20/2012 0000

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/20/2012 1740

8082 PCBs

Analysis Method: 8082

Analysis Batch: 460-117335

Instrument ID: PESTGC9

Prep Method: 3541

Prep Batch: 460-117107

Initial Weight/Volume: 15.00 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 06/24/2012 2235

Injection Volume:

Prep Date: 06/22/2012 0850

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		30 - 150

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-1

Lab Sample ID: 460-41546-1

Date Sampled: 06/20/2012 0925

Client Matrix: Solid

% Moisture: 9.7

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117772	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	06/28/2012 2211			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7570		19.8	43.4
Antimony		1.3	U	1.3	2.2
Arsenic		1.6		1.0	1.1
Barium		51.4		1.2	43.4
Beryllium		0.16	U	0.16	0.43
Cadmium		0.16	U	0.16	1.1
Calcium		1950		76.9	1090
Chromium		14.5		0.93	2.2
Cobalt		6.1	J	0.93	10.9
Copper		13.6		2.1	5.4
Iron		12600		13.1	32.6
Lead		6.0		0.93	1.1
Magnesium		3270		78.2	1090
Manganese		204		0.96	3.3
Nickel		12.5		0.96	8.7
Potassium		1390		116	1090
Selenium		1.4	U	1.4	2.2
Silver		0.22	U	0.22	2.2
Sodium		172	U	172	1090
Thallium		1.2	U	1.2	2.2
Vanadium		18.3		0.83	10.9
Zinc		27.3		1.2	6.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117198	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-117140	Lab File ID:	117140hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	06/22/2012 1520			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1041				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.022	U	0.022	0.033

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-2

Lab Sample ID: 460-41546-2

Date Sampled: 06/20/2012 0929

Client Matrix: Solid

% Moisture: 12.5

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117772	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.06 g
Analysis Date:	06/28/2012 2215			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7770		19.6	43.1
Antimony		1.3	U	1.3	2.2
Arsenic		2.0		1.0	1.1
Barium		125		1.2	43.1
Beryllium		0.16	U	0.16	0.43
Cadmium		0.36	J	0.16	1.1
Calcium		1530		76.4	1080
Chromium		18.8		0.93	2.2
Cobalt		4.6	J	0.92	10.8
Copper		46.5		2.1	5.4
Iron		13000		13.0	32.4
Lead		107		0.93	1.1
Magnesium		2910		77.6	1080
Manganese		115		0.95	3.2
Nickel		12.4		0.95	8.6
Potassium		1300		115	1080
Selenium		1.4	U	1.4	2.2
Silver		2.5		0.22	2.2
Sodium		170	U	170	1080
Thallium		1.2	U	1.2	2.2
Vanadium		20.1		0.83	10.8
Zinc		98.9		1.2	6.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117198	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-117140	Lab File ID:	117140hg1.PRN
Dilution:	3.0			Initial Weight/Volume:	0.67 g
Analysis Date:	06/22/2012 1542			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1041				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		2.8		0.068	0.10

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-3

Lab Sample ID: 460-41546-3

Date Sampled: 06/20/2012 0932

Client Matrix: Solid

% Moisture: 26.3

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117772	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.11 g
Analysis Date:	06/28/2012 2218			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9590		22.3	48.9
Antimony		1.5	U	1.5	2.4
Arsenic		14.1		1.1	1.2
Barium		90.4		1.4	48.9
Beryllium		0.18	U	0.18	0.49
Cadmium		1.8		0.18	1.2
Calcium		3280		86.6	1220
Chromium		30.3		1.1	2.4
Cobalt		18.0		1.0	12.2
Copper		49.5		2.4	6.1
Lead		31.3		1.1	1.2
Magnesium		3070		88.0	1220
Manganese		530		1.1	3.7
Nickel		29.0		1.1	9.8
Potassium		949	J	131	1220
Selenium		1.6	U	1.6	2.4
Silver		0.24	U	0.24	2.4
Sodium		193	U	193	1220
Thallium		1.4	U	1.4	2.4
Vanadium		28.5		0.94	12.2
Zinc		622		1.3	7.3

Analysis Method:	6010B	Analysis Batch:	460-118065	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117772	Lab File ID:	06292012.asc
Dilution:	10			Initial Weight/Volume:	1.11 g
Analysis Date:	06/29/2012 1121			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0717				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Iron		70100		37.0	91.7

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117198	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-117140	Lab File ID:	117140hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	06/22/2012 1544			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1041				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.24		0.030	0.045

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-4

Lab Sample ID: 460-41546-4

Date Sampled: 06/20/2012 0934

Client Matrix: Solid

% Moisture: 18.2

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.10 g
Analysis Date:	06/28/2012 2239			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6160		20.2	44.5
Antimony		1.9	J	1.4	2.2
Arsenic		3.3		1.0	1.1
Barium		53.0		1.3	44.5
Beryllium		0.16	U	0.16	0.44
Cadmium		0.16	J	0.16	1.1
Calcium		2640		78.7	1110
Chromium		16.6		0.96	2.2
Cobalt		8.8	J	0.95	11.1
Copper		15.9		2.2	5.6
Iron		10500		13.5	33.4
Lead		5.3		0.96	1.1
Magnesium		3180		80.1	1110
Manganese		162		0.98	3.3
Nickel		17.1		0.98	8.9
Potassium		1100	J	119	1110
Selenium		1.5	U	1.5	2.2
Silver		0.22	U	0.22	2.2
Sodium		176	U	176	1110
Thallium		1.3	U	1.3	2.2
Vanadium		23.7		0.85	11.1
Zinc		27.8		1.2	6.7

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117198	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-117140	Lab File ID:	117140hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Analysis Date:	06/22/2012 1527			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1041				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.024	U	0.024	0.037

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-5

Lab Sample ID: 460-41546-5

Date Sampled: 06/20/2012 1010

Client Matrix: Solid

% Moisture: 5.5

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.10 g
Analysis Date:	06/28/2012 2257			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6360		17.5	38.5
Antimony		1.2	U	1.2	1.9
Arsenic		1.1		0.90	0.96
Barium		58.2		1.1	38.5
Beryllium		0.14	U	0.14	0.38
Cadmium		0.14	U	0.14	0.96
Calcium		2630		68.1	962
Chromium		15.6		0.83	1.9
Cobalt		5.9	J	0.82	9.6
Copper		14.3		1.9	4.8
Iron		12900		11.6	28.9
Lead		3.8		0.83	0.96
Magnesium		3540		69.2	962
Manganese		186		0.85	2.9
Nickel		12.9		0.85	7.7
Potassium		1910		103	962
Selenium		1.3	U	1.3	1.9
Silver		0.19	U	0.19	1.9
Sodium		152	U	152	962
Thallium		1.1	U	1.1	1.9
Vanadium		19.5		0.74	9.6
Zinc		26.4		1.0	5.8

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117198	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-117140	Lab File ID:	117140hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	06/22/2012 1457			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1041				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	U	0.023	0.035

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-6

Lab Sample ID: 460-41546-6

Date Sampled: 06/20/2012 1014

Client Matrix: Solid

% Moisture: 11.4

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.11 g
Analysis Date:	06/28/2012 2301			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7990		18.5	40.7
Antimony		1.3	U	1.3	2.0
Arsenic		1.6		0.96	1.0
Barium		65.9		1.2	40.7
Beryllium		0.15	U	0.15	0.41
Cadmium		0.15	U	0.15	1.0
Calcium		1530		72.0	1020
Chromium		16.8		0.87	2.0
Cobalt		6.7	J	0.87	10.2
Copper		16.4		2.0	5.1
Iron		13700		12.3	30.5
Lead		5.3		0.87	1.0
Magnesium		3900		73.2	1020
Manganese		265		0.89	3.1
Nickel		14.3		0.89	8.1
Potassium		1990		109	1020
Selenium		1.3	U	1.3	2.0
Silver		0.20	U	0.20	2.0
Sodium		161	U	161	1020
Thallium		1.1	U	1.1	2.0
Vanadium		21.8		0.78	10.2
Zinc		36.3		1.1	6.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117198	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-117140	Lab File ID:	117140hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Analysis Date:	06/22/2012 1529			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1041				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	U	0.023	0.034

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-7

Lab Sample ID: 460-41546-7

Date Sampled: 06/20/2012 1016

Client Matrix: Solid

% Moisture: 26.2

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.05 g
Analysis Date:	06/28/2012 2305			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		13800		23.5	51.6
Antimony		1.6	U	1.6	2.6
Arsenic		2.1		1.2	1.3
Barium		102		1.5	51.6
Beryllium		0.19	U	0.19	0.52
Cadmium		0.20	J	0.19	1.3
Calcium		2340		91.3	1290
Chromium		29.5		1.1	2.6
Cobalt		7.9	J	1.1	12.9
Copper		14.6		2.5	6.4
Iron		20300		15.6	38.7
Lead		10.6		1.1	1.3
Magnesium		4300		92.9	1290
Manganese		369		1.1	3.9
Nickel		17.1		1.1	10.3
Potassium		1040	J	138	1290
Selenium		1.7	U	1.7	2.6
Silver		0.26	U	0.26	2.6
Sodium		204	U	204	1290
Thallium		1.5	U	1.5	2.6
Vanadium		39.6		0.99	12.9
Zinc		46.0		1.4	7.7

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117198	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-117140	Lab File ID:	117140hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	06/22/2012 1531			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1041				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.038	J	0.028	0.042

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-8

Lab Sample ID: 460-41546-8

Date Sampled: 06/20/2012 1018

Client Matrix: Solid

% Moisture: 18.2

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.13 g
Analysis Date:	06/28/2012 2308			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		13800		19.7	43.3
Antimony		1.3	U	1.3	2.2
Arsenic		2.6		1.0	1.1
Barium		102		1.2	43.3
Beryllium		0.16	J	0.16	0.43
Cadmium		0.17	J	0.16	1.1
Calcium		2060		76.6	1080
Chromium		29.8		0.93	2.2
Cobalt		11.2		0.92	10.8
Copper		16.8		2.1	5.4
Iron		20600		13.1	32.4
Lead		7.6		0.93	1.1
Magnesium		5110		77.9	1080
Manganese		241		0.95	3.2
Nickel		20.3		0.95	8.7
Potassium		1600		116	1080
Selenium		1.4	U	1.4	2.2
Silver		0.22	U	0.22	2.2
Sodium		171	U	171	1080
Thallium		1.2	U	1.2	2.2
Vanadium		40.3		0.83	10.8
Zinc		59.5		1.2	6.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117198	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	460-117140	Lab File ID:	117140hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.71 g
Analysis Date:	06/22/2012 1533			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1041				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	U	0.023	0.034

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-9

Lab Sample ID: 460-41546-9

Date Sampled: 06/20/2012 1105

Client Matrix: Solid

% Moisture: 8.6

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.07 g
Analysis Date:	06/28/2012 2312			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8230		18.6	40.9
Antimony		1.3	U	1.3	2.0
Arsenic		2.2		0.96	1.0
Barium		49.9		1.2	40.9
Beryllium		0.15	J	0.15	0.41
Cadmium		0.15	U	0.15	1.0
Calcium		1490		72.4	1020
Chromium		14.3		0.88	2.0
Cobalt		5.8	J	0.87	10.2
Copper		12.5		2.0	5.1
Iron		12300		12.4	30.7
Lead		5.6		0.88	1.0
Magnesium		2720		73.6	1020
Manganese		225		0.90	3.1
Nickel		12.3		0.90	8.2
Potassium		1070		109	1020
Selenium		1.3	U	1.3	2.0
Silver		0.20	U	0.20	2.0
Sodium		162	U	162	1020
Thallium		1.2	U	1.2	2.0
Vanadium		17.9		0.79	10.2
Zinc		27.4		1.1	6.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	06/22/2012 2012			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	U	0.023	0.034

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-10

Lab Sample ID: 460-41546-10

Date Sampled: 06/20/2012 1108

Client Matrix: Solid

% Moisture: 12.2

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.07 g
Analysis Date:	06/28/2012 2315			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5090		19.4	42.6
Antimony		1.3	U	1.3	2.1
Arsenic		1.2		1.0	1.1
Barium		71.4		1.2	42.6
Beryllium		0.15	U	0.15	0.43
Cadmium		0.22	J	0.16	1.1
Calcium		1310		75.4	1060
Chromium		12.7		0.92	2.1
Cobalt		4.4	J	0.91	10.6
Copper		29.7		2.1	5.3
Iron		11900		12.9	31.9
Lead		37.8		0.92	1.1
Magnesium		2420		76.7	1060
Manganese		110		0.94	3.2
Nickel		9.4		0.94	8.5
Potassium		1300		114	1060
Selenium		1.4	U	1.4	2.1
Silver		3.3		0.21	2.1
Sodium		168	U	168	1060
Thallium		1.2	U	1.2	2.1
Vanadium		15.8		0.82	10.6
Zinc		65.4		1.1	6.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.66 g
Analysis Date:	06/22/2012 2015			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.65		0.023	0.034

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-11

Lab Sample ID: 460-41546-11

Date Sampled: 06/20/2012 1110

Client Matrix: Solid

% Moisture: 28.9

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.10 g
Analysis Date:	06/28/2012 2319			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		19900		23.3	51.1
Antimony		1.6	U	1.6	2.6
Arsenic		3.2		1.2	1.3
Barium		129		1.5	51.1
Beryllium		0.47	J	0.18	0.51
Cadmium		0.19	U	0.19	1.3
Calcium		1890		90.5	1280
Chromium		40.2		1.1	2.6
Cobalt		9.8	J	1.1	12.8
Copper		11.8		2.5	6.4
Iron		29600		15.5	38.3
Lead		10.3		1.1	1.3
Magnesium		4260		92.0	1280
Manganese		356		1.1	3.8
Nickel		20.8		1.1	10.2
Potassium		516	J	137	1280
Selenium		1.7	U	1.7	2.6
Silver		0.26	U	0.26	2.6
Sodium		202	U	202	1280
Thallium		1.4	U	1.4	2.6
Vanadium		60.8		0.98	12.8
Zinc		64.4		1.4	7.7

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	06/22/2012 2017			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.062		0.029	0.043

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-12

Lab Sample ID: 460-41546-12

Date Sampled: 06/20/2012 1112

Client Matrix: Solid

% Moisture: 16.4

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.05 g
Analysis Date:	06/28/2012 2322			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5090		20.7	45.6
Antimony		1.4	U	1.4	2.3
Arsenic		1.1	U	1.1	1.1
Barium		42.2	J	1.3	45.6
Beryllium		0.16	U	0.16	0.46
Cadmium		0.17	U	0.17	1.1
Calcium		1760		80.7	1140
Chromium		12.4		0.98	2.3
Cobalt		4.6	J	0.97	11.4
Copper		9.2		2.2	5.7
Iron		8140		13.8	34.2
Lead		3.0		0.98	1.1
Magnesium		2300		82.0	1140
Manganese		87.6		1.0	3.4
Nickel		8.8	J	1.0	9.1
Potassium		1020	J	122	1140
Selenium		1.5	U	1.5	2.3
Silver		0.23	U	0.23	2.3
Sodium		180	U	180	1140
Thallium		1.3	U	1.3	2.3
Vanadium		17.2		0.88	11.4
Zinc		21.9		1.2	6.8

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	06/22/2012 2024			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.024	U	0.024	0.036

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-13

Lab Sample ID: 460-41546-13

Date Sampled: 06/20/2012 1150

Client Matrix: Solid

% Moisture: 5.8

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.09 g
Analysis Date:	06/28/2012 2326			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6470		17.7	38.9
Antimony		1.2	U	1.2	1.9
Arsenic		1.6		0.92	0.97
Barium		56.9		1.1	38.9
Beryllium		0.14	U	0.14	0.39
Cadmium		0.14	U	0.14	0.97
Calcium		2750		68.9	973
Chromium		15.0		0.84	1.9
Cobalt		5.8	J	0.83	9.7
Copper		14.9		1.9	4.9
Iron		12900		11.8	29.2
Lead		4.2		0.84	0.97
Magnesium		3600		70.1	973
Manganese		186		0.86	2.9
Nickel		12.4		0.86	7.8
Potassium		1690		104	973
Selenium		1.3	U	1.3	1.9
Silver		0.19	U	0.19	1.9
Sodium		154	U	154	973
Thallium		1.1	U	1.1	1.9
Vanadium		19.8		0.75	9.7
Zinc		25.2		1.1	5.8

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	06/22/2012 2026			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.022	U	0.022	0.033

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-14

Lab Sample ID: 460-41546-14

Date Sampled: 06/20/2012 1153

Client Matrix: Solid

% Moisture: 18.8

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	06/28/2012 2337			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11100		22.0	48.3
Antimony		1.5	U	1.5	2.4
Arsenic		1.5		1.1	1.2
Barium		112		1.4	48.3
Beryllium		0.17	U	0.17	0.48
Cadmium		0.30	J	0.18	1.2
Calcium		2540		85.4	1210
Chromium		27.9		1.0	2.4
Cobalt		6.4	J	1.0	12.1
Copper		96.8		2.3	6.0
Iron		17400		14.6	36.2
Lead		55.7		1.0	1.2
Magnesium		4250		86.9	1210
Manganese		168		1.1	3.6
Nickel		16.7		1.1	9.7
Potassium		1360		129	1210
Selenium		1.6	U	1.6	2.4
Silver		2.1	J	0.24	2.4
Sodium		191	U	191	1210
Thallium		1.4	U	1.4	2.4
Vanadium		29.6		0.93	12.1
Zinc		120		1.3	7.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	06/22/2012 2028			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.7		0.027	0.041

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-15

Lab Sample ID: 460-41546-15

Date Sampled: 06/20/2012 1155

Client Matrix: Solid

% Moisture: 20.4

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.15 g
Analysis Date:	06/28/2012 2340			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10300		19.9	43.7
Antimony		1.4	U	1.4	2.2
Arsenic		2.5		1.0	1.1
Barium		144		1.2	43.7
Beryllium		0.16	U	0.16	0.44
Cadmium		0.61	J	0.16	1.1
Calcium		2230		77.3	1090
Chromium		27.7		0.94	2.2
Cobalt		6.3	J	0.93	10.9
Copper		224		2.1	5.5
Iron		17300		13.2	32.8
Lead		115		0.94	1.1
Magnesium		4360		78.6	1090
Manganese		163		0.96	3.3
Nickel		17.4		0.96	8.7
Potassium		1750		117	1090
Selenium		1.4	U	1.4	2.2
Silver		3.7		0.22	2.2
Sodium		173	U	173	1090
Thallium		1.2	U	1.2	2.2
Vanadium		28.4		0.84	10.9
Zinc		213		1.2	6.6

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	2.0			Initial Weight/Volume:	0.64 g
Analysis Date:	06/22/2012 2112			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		2.8		0.052	0.078

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: PH-16

Lab Sample ID: 460-41546-16

Date Sampled: 06/20/2012 1157

Client Matrix: Solid

% Moisture: 20.8

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.08 g
Analysis Date:	06/28/2012 2344			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5520		21.3	46.7
Antimony		1.4	U	1.4	2.3
Arsenic		1.6		1.1	1.2
Barium		94.3		1.3	46.7
Beryllium		0.17	U	0.17	0.47
Cadmium		0.41	J	0.17	1.2
Calcium		1830		82.7	1170
Chromium		16.3		1.0	2.3
Cobalt		3.8	J	1.0	11.7
Copper		225		2.3	5.8
Iron		11200		14.1	35.1
Lead		66.4		1.0	1.2
Magnesium		2790		84.1	1170
Manganese		107		1.0	3.5
Nickel		10.6		1.0	9.3
Potassium		1440		125	1170
Selenium		1.5	U	1.5	2.3
Silver		2.0	J	0.23	2.3
Sodium		185	U	185	1170
Thallium		1.3	U	1.3	2.3
Vanadium		16.4		0.90	11.7
Zinc		122		1.3	7.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	3.0			Initial Weight/Volume:	0.62 g
Analysis Date:	06/22/2012 2115			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		4.0		0.081	0.12

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-8

Lab Sample ID: 460-41546-17

Date Sampled: 06/20/2012 1305

Client Matrix: Solid

% Moisture: 9.1

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.06 g
Analysis Date:	06/28/2012 2348			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8070		18.9	41.5
Antimony		1.3	U	1.3	2.1
Arsenic		2.2		0.98	1.0
Barium		121		1.2	41.5
Beryllium		0.15	U	0.15	0.42
Cadmium		0.24	J	0.15	1.0
Calcium		1690		73.5	1040
Chromium		24.4		0.89	2.1
Cobalt		6.4	J	0.88	10.4
Copper		33.8		2.0	5.2
Iron		14700		12.6	31.1
Lead		24.5		0.89	1.0
Magnesium		3660		74.7	1040
Manganese		214		0.91	3.1
Nickel		14.5		0.91	8.3
Potassium		1930		111	1040
Selenium		1.4	U	1.4	2.1
Silver		2.7		0.21	2.1
Sodium		164	U	164	1040
Thallium		1.2	U	1.2	2.1
Vanadium		22.0		0.80	10.4
Zinc		42.4		1.1	6.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	06/22/2012 2117			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.45		0.024	0.036

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-9

Lab Sample ID: 460-41546-18

Date Sampled: 06/20/2012 1314

Client Matrix: Solid

% Moisture: 10.8

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	06/28/2012 2351			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10700		18.2	40.0
Antimony		1.2	U	1.2	2.0
Arsenic		1.8		0.94	1.0
Barium		126		1.1	40.0
Beryllium		0.14	U	0.14	0.40
Cadmium		0.16	J	0.15	1.0
Calcium		2050		70.9	1000
Chromium		28.0		0.86	2.0
Cobalt		9.2	J	0.85	10.0
Copper		23.3		1.9	5.0
Iron		21000		12.1	30.0
Lead		5.8		0.86	1.0
Magnesium		4930		72.1	1000
Manganese		276		0.88	3.0
Nickel		20.6		0.88	8.0
Potassium		3750		107	1000
Selenium		1.3	U	1.3	2.0
Silver		0.20	U	0.20	2.0
Sodium		158	U	158	1000
Thallium		1.1	U	1.1	2.0
Vanadium		35.7		0.77	10.0
Zinc		83.3		1.1	6.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	06/22/2012 2037			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

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

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-10

Lab Sample ID: 460-41546-19

Date Sampled: 06/20/2012 1348

Client Matrix: Solid

% Moisture: 9.7

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	06/28/2012 2355			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6940		19.7	43.4
Antimony		1.3	U	1.3	2.2
Arsenic		1.9		1.0	1.1
Barium		44.6		1.2	43.4
Beryllium		0.16	U	0.16	0.43
Cadmium		0.16	U	0.16	1.1
Calcium		1540		76.8	1090
Chromium		13.2		0.93	2.2
Cobalt		4.9	J	0.92	10.9
Copper		12.6		2.1	5.4
Iron		11500		13.1	32.6
Lead		4.3		0.93	1.1
Magnesium		2760		78.1	1090
Manganese		155		0.95	3.3
Nickel		11.4		0.95	8.7
Potassium		1200		116	1090
Selenium		1.4	U	1.4	2.2
Silver		0.22	U	0.22	2.2
Sodium		171	U	171	1090
Thallium		1.2	U	1.2	2.2
Vanadium		16.8		0.83	10.9
Zinc		24.2		1.2	6.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	06/22/2012 2043			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	U	0.023	0.034

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-11

Lab Sample ID: 460-41546-20

Date Sampled: 06/20/2012 1352

Client Matrix: Solid

% Moisture: 10.1

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.06 g
Analysis Date:	06/28/2012 2358			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4220		19.1	42.0
Antimony		1.3	U	1.3	2.1
Arsenic		1.2		0.99	1.0
Barium		53.0		1.2	42.0
Beryllium		0.15	U	0.15	0.42
Cadmium		0.51	J	0.16	1.0
Calcium		1320		74.3	1050
Chromium		11.2		0.90	2.1
Cobalt		2.9	J	0.89	10.5
Copper		23.1		2.0	5.2
Iron		8060		12.7	31.5
Lead		23.0		0.90	1.0
Magnesium		2150		75.5	1050
Manganese		71.8		0.92	3.1
Nickel		8.5		0.92	8.4
Potassium		1110		112	1050
Selenium		1.4	U	1.4	2.1
Silver		1.6	J	0.21	2.1
Sodium		166	U	166	1050
Thallium		1.2	U	1.2	2.1
Vanadium		12.1		0.81	10.5
Zinc		304		1.1	6.3

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	06/22/2012 2045			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.73		0.024	0.036

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-12

Lab Sample ID: 460-41546-21

Date Sampled: 06/20/2012 1510

Client Matrix: Solid

% Moisture: 7.3

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.07 g
Analysis Date:	06/28/2012 2225			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5910		18.3	40.3
Antimony		1.2	U	1.2	2.0
Arsenic		1.6		0.95	1.0
Barium		43.8		1.1	40.3
Beryllium		0.15	U	0.15	0.40
Cadmium		0.15	U	0.15	1.0
Calcium		1520		71.4	1010
Chromium		12.2		0.87	2.0
Cobalt		4.9	J	0.86	10.1
Copper		12.2		2.0	5.0
Iron		11700		12.2	30.2
Lead		4.2		0.87	1.0
Magnesium		2560		72.6	1010
Manganese		187		0.89	3.0
Nickel		11.1		0.89	8.1
Potassium		1230		108	1010
Selenium		1.3	U	1.3	2.0
Silver		0.20	U	0.20	2.0
Sodium		159	U	159	1010
Thallium		1.1	U	1.1	2.0
Vanadium		15.0		0.77	10.1
Zinc		22.9		1.1	6.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	06/22/2012 2006			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.024	U	0.024	0.036

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: F-13

Lab Sample ID: 460-41546-22

Date Sampled: 06/20/2012 1520

Client Matrix: Solid

% Moisture: 10.0

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.04 g
Analysis Date:	06/29/2012 0002			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4970		19.5	42.8
Antimony		1.3	U	1.3	2.1
Arsenic		1.0	U	1.0	1.1
Barium		105		1.2	42.8
Beryllium		0.15	U	0.15	0.43
Cadmium		0.23	J	0.16	1.1
Calcium		963	J	75.7	1070
Chromium		12.6		0.92	2.1
Cobalt		2.6	J	0.91	10.7
Copper		44.8		2.1	5.3
Iron		9500		12.9	32.1
Lead		24.2		0.92	1.1
Magnesium		2760		77.0	1070
Manganese		82.6		0.94	3.2
Nickel		7.5	J	0.94	8.6
Potassium		1100		114	1070
Selenium		1.4	U	1.4	2.1
Silver		2.3		0.21	2.1
Sodium		169	U	169	1070
Thallium		1.2	U	1.2	2.1
Vanadium		12.7		0.82	10.7
Zinc		57.7		1.2	6.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	06/22/2012 2047			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.67		0.023	0.034

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Client Sample ID: FB-E

Lab Sample ID: 460-41546-23

Date Sampled: 06/20/2012 0000

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/20/2012 1740

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	460-117953	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.08 g
Analysis Date:	06/29/2012 0006			Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12600		19.1	42.0
Antimony		1.3	U	1.3	2.1
Arsenic		1.8		0.99	1.1
Barium		148		1.2	42.0
Beryllium		0.15	U	0.15	0.42
Cadmium		0.18	J	0.16	1.1
Calcium		2260		74.4	1050
Chromium		33.9		0.90	2.1
Cobalt		9.8	J	0.89	10.5
Copper		21.7		2.0	5.3
Iron		22500		12.7	31.5
Lead		5.9		0.90	1.1
Magnesium		5690		75.6	1050
Manganese		326		0.92	3.2
Nickel		22.1		0.92	8.4
Potassium		4160		112	1050
Selenium		1.4	U	1.4	2.1
Silver		0.21	U	0.21	2.1
Sodium		166	U	166	1050
Thallium		1.2	U	1.2	2.1
Vanadium		41.5		0.81	10.5
Zinc		72.4		1.1	6.3

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	06/22/2012 2049			Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.022	U	0.022	0.034

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID:** PH-1

Lab Sample ID: 460-41546-1

Date Sampled: 06/20/2012 0925

Client Matrix: Solid

% Moisture: 9.7

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.060	U	mg/Kg	0.060	0.55	1.0	9012A
	Analysis Batch: 460-118178	Analysis Date: 07/01/2012 1412					DryWt Corrected: Y
	Prep Batch: 460-118173	Prep Date: 07/01/2012 1130					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N
Percent Solids	90.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID:** PH-2

Lab Sample ID: 460-41546-2

Date Sampled: 06/20/2012 0929

Client Matrix: Solid

% Moisture: 12.5

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.062	U	mg/Kg	0.062	0.57	1.0	9012A
	Analysis Batch: 460-118178	Analysis Date: 07/01/2012 1413					DryWt Corrected: Y
	Prep Batch: 460-118173	Prep Date: 07/01/2012 1130					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N
Percent Solids	87.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: PH-3**

Lab Sample ID: 460-41546-3

Date Sampled: 06/20/2012 0932

Client Matrix: Solid

% Moisture: 26.3

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.073	U	mg/Kg	0.073	0.68	1.0	9012A
	Analysis Batch: 460-118178	Analysis Date: 07/01/2012 1414					DryWt Corrected: Y
	Prep Batch: 460-118173	Prep Date: 07/01/2012 1130					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	26.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N
Percent Solids	73.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: PH-4**

Lab Sample ID: 460-41546-4

Date Sampled: 06/20/2012 0934

Client Matrix: Solid

% Moisture: 18.2

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.066	U	mg/Kg	0.066	0.61	1.0	9012A
	Analysis Batch: 460-118178	Analysis Date: 07/01/2012 1415					DryWt Corrected: Y
	Prep Batch: 460-118173	Prep Date: 07/01/2012 1130					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N
Percent Solids	81.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID:** PH-5

Lab Sample ID: 460-41546-5

Date Sampled: 06/20/2012 1010

Client Matrix: Solid

% Moisture: 5.5

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.057	U	mg/Kg	0.057	0.53	1.0	9012A
	Analysis Batch: 460-118178	Analysis Date: 07/01/2012 1419				DryWt Corrected: Y	
	Prep Batch: 460-118173	Prep Date: 07/01/2012 1130					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347				DryWt Corrected: N	
Percent Solids	94.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347				DryWt Corrected: N	

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: PH-6**

Lab Sample ID: 460-41546-6

Date Sampled: 06/20/2012 1014

Client Matrix: Solid

% Moisture: 11.4

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.061	U	mg/Kg	0.061	0.56	1.0	9012A
	Analysis Batch: 460-118178	Analysis Date: 07/01/2012 1420					DryWt Corrected: Y
	Prep Batch: 460-118173	Prep Date: 07/01/2012 1130					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N
Percent Solids	88.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID:** PH-7

Lab Sample ID: 460-41546-7

Date Sampled: 06/20/2012 1016

Client Matrix: Solid

% Moisture: 26.2

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.073	U	mg/Kg	0.073	0.68	1.0	9012A
	Analysis Batch: 460-118178	Analysis Date: 07/01/2012 1421					DryWt Corrected: Y
	Prep Batch: 460-118173	Prep Date: 07/01/2012 1130					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	26.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N
Percent Solids	73.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID:** PH-8

Lab Sample ID: 460-41546-8

Date Sampled: 06/20/2012 1018

Client Matrix: Solid

% Moisture: 18.2

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.066	U	mg/Kg	0.066	0.61	1.0	9012A
	Analysis Batch: 460-118178	Analysis Date: 07/01/2012 1422					DryWt Corrected: Y
	Prep Batch: 460-118173	Prep Date: 07/01/2012 1130					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N
Percent Solids	81.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: PH-9**

Lab Sample ID: 460-41546-9

Date Sampled: 06/20/2012 1105

Client Matrix: Solid

% Moisture: 8.6

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.059	U	mg/Kg	0.059	0.55	1.0	9012A
	Analysis Batch: 460-118178	Analysis Date: 07/01/2012 1423					DryWt Corrected: Y
	Prep Batch: 460-118173	Prep Date: 07/01/2012 1130					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N
Percent Solids	91.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: PH-10**

Lab Sample ID: 460-41546-10

Date Sampled: 06/20/2012 1108

Client Matrix: Solid

% Moisture: 12.2

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.062	U	mg/Kg	0.062	0.57	1.0	9012A
	Analysis Batch: 460-118178	Analysis Date: 07/01/2012 1424				DryWt Corrected: Y	
	Prep Batch: 460-118173	Prep Date: 07/01/2012 1130					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347				DryWt Corrected: N	
Percent Solids	87.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347				DryWt Corrected: N	

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: PH-11**

Lab Sample ID: 460-41546-11

Date Sampled: 06/20/2012 1110

Client Matrix: Solid

% Moisture: 28.9

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.076	U	mg/Kg	0.076	0.70	1.0	9012A
	Analysis Batch: 460-118178	Analysis Date: 07/01/2012 1405				DryWt Corrected: Y	
	Prep Batch: 460-118174	Prep Date: 07/01/2012 1130					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	28.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347				DryWt Corrected: N	
Percent Solids	71.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347				DryWt Corrected: N	

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: PH-12**

Lab Sample ID: 460-41546-12

Date Sampled: 06/20/2012 1112

Client Matrix: Solid

% Moisture: 16.4

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.065	U	mg/Kg	0.065	0.60	1.0	9012A
	Analysis Batch: 460-118346	Analysis Date: 07/02/2012 1451				DryWt Corrected: Y	
	Prep Batch: 460-118311	Prep Date: 07/02/2012 1030					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347				DryWt Corrected: N	
Percent Solids	83.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347				DryWt Corrected: N	

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: PH-13**

Lab Sample ID: 460-41546-13

Date Sampled: 06/20/2012 1150

Client Matrix: Solid

% Moisture: 5.8

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.13	J	mg/Kg	0.057	0.53	1.0	9012A
	Analysis Batch: 460-118346	Analysis Date: 07/02/2012 1450					DryWt Corrected: Y
	Prep Batch: 460-118311	Prep Date: 07/02/2012 1030					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N
Percent Solids	94.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: PH-14**

Lab Sample ID: 460-41546-14

Date Sampled: 06/20/2012 1153

Client Matrix: Solid

% Moisture: 18.8

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.066	U	mg/Kg	0.066	0.62	1.0	9012A
	Analysis Batch: 460-118346	Analysis Date: 07/02/2012 1512				DryWt Corrected: Y	
	Prep Batch: 460-118323	Prep Date: 07/02/2012 1030					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347				DryWt Corrected: N	
Percent Solids	81.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117068	Analysis Date: 06/21/2012 2347				DryWt Corrected: N	

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: PH-15**

Lab Sample ID: 460-41546-15

Date Sampled: 06/20/2012 1155

Client Matrix: Solid

% Moisture: 20.4

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.19	J	mg/Kg	0.068	0.63	1.0	9012A
	Analysis Batch: 460-118346	Analysis Date: 07/02/2012 1514					DryWt Corrected: Y
	Prep Batch: 460-118323	Prep Date: 07/02/2012 1030					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N
Percent Solids	79.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: PH-16**

Lab Sample ID: 460-41546-16

Date Sampled: 06/20/2012 1157

Client Matrix: Solid

% Moisture: 20.8

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.068	U	mg/Kg	0.068	0.63	1.0	9012A
	Analysis Batch: 460-118346	Analysis Date: 07/02/2012 1511					DryWt Corrected: Y
	Prep Batch: 460-118323	Prep Date: 07/02/2012 1030					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N
Percent Solids	79.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: F-8**

Lab Sample ID: 460-41546-17

Date Sampled: 06/20/2012 1305

Client Matrix: Solid

% Moisture: 9.1

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.17	J	mg/Kg	0.059	0.55	1.0	9012A
	Analysis Batch: 460-118452	Analysis Date: 07/03/2012 1207					DryWt Corrected: Y
	Prep Batch: 460-118408	Prep Date: 07/03/2012 0630					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N
Percent Solids	90.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry

Client Sample ID: F-9

Lab Sample ID: 460-41546-18

Date Sampled: 06/20/2012 1314

Client Matrix: Solid

% Moisture: 10.8

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.061	U	mg/Kg	0.061	0.56	1.0	9012A
	Analysis Batch: 460-118452	Analysis Date: 07/03/2012 1201					DryWt Corrected: Y
	Prep Batch: 460-118408	Prep Date: 07/03/2012 0630					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N
Percent Solids	89.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: F-10**

Lab Sample ID: 460-41546-19

Date Sampled: 06/20/2012 1348

Client Matrix: Solid

% Moisture: 9.7

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.16	J	mg/Kg	0.060	0.55	1.0	9012A
	Analysis Batch: 460-118452	Analysis Date: 07/03/2012 1202				DryWt Corrected: Y	
	Prep Batch: 460-118408	Prep Date: 07/03/2012 0630					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055				DryWt Corrected: N	
Percent Solids	90.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055				DryWt Corrected: N	

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: F-11**

Lab Sample ID: 460-41546-20

Date Sampled: 06/20/2012 1352

Client Matrix: Solid

% Moisture: 10.1

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.19	J	mg/Kg	0.060	0.56	1.0	9012A
	Analysis Batch: 460-118452	Analysis Date: 07/03/2012 1203					DryWt Corrected: Y
	Prep Batch: 460-118408	Prep Date: 07/03/2012 0630					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N
Percent Solids	89.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: F-12**

Lab Sample ID: 460-41546-21

Date Sampled: 06/20/2012 1510

Client Matrix: Solid

% Moisture: 7.3

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.058	U	mg/Kg	0.058	0.54	1.0	9012A
Analysis Batch: 460-118452		Analysis Date: 07/03/2012 1157				DryWt Corrected: Y	
Prep Batch: 460-118408		Prep Date: 07/03/2012 0630					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-117070		Analysis Date: 06/22/2012 0055				DryWt Corrected: N	
Percent Solids	92.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-117070		Analysis Date: 06/22/2012 0055				DryWt Corrected: N	

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: F-13**

Lab Sample ID: 460-41546-22

Date Sampled: 06/20/2012 1520

Client Matrix: Solid

% Moisture: 10.0

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.19	J	mg/Kg	0.060	0.56	1.0	9012A
	Analysis Batch: 460-118452	Analysis Date: 07/03/2012 1205					DryWt Corrected: Y
	Prep Batch: 460-118408	Prep Date: 07/03/2012 0630					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N
Percent Solids	90.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N

Analytical Data

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

General Chemistry**Client Sample ID: FB-E**

Lab Sample ID: 460-41546-23

Date Sampled: 06/20/2012 0000

Client Matrix: Solid

% Moisture: 11.9

Date Received: 06/20/2012 1740

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.061	U	mg/Kg	0.061	0.57	1.0	9012A
	Analysis Batch: 460-118452	Analysis Date: 07/03/2012 1206					DryWt Corrected: Y
	Prep Batch: 460-118408	Prep Date: 07/03/2012 0630					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N
Percent Solids	88.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-117070	Analysis Date: 06/22/2012 0055					DryWt Corrected: N

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Surrogate Recovery Report

8260B TCL VOA + 10

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-41546-17	F-8	109	96	101
460-41546-18	F-9	103	96	98
460-41546-19	F-10	101	97	100
460-41546-20	F-11	109	96	97
460-41546-21	F-12	114	94	97
460-41546-22	F-13	112	94	101
460-41546-23	FB-E	107	96	97
MB 460-117776/5		100	96	98
LB3 460-116894/1-A		88	81	81
LCS 460-117776/3		96	101	105
460-41546-21 MS	F-12 MS	100	97	100
460-41546-21 MSD	F-12 MSD	99	97	101

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Surrogate Recovery Report**8270C TCL BNA + 25 TICs****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-41546-17	F-8	72	82	69	76	56	98
460-41546-18	F-9	72	87	64	66	69	92
460-41546-19	F-10	59	74	50	51	55	97
460-41546-20	F-11	71	91	44	47	68	93
460-41546-21	F-12	74	90	61	60	66	94
460-41546-22	F-13	68	79	48	58	57	102
460-41546-23	FB-E	67	85	46	45	59	86
MB 460-117106/1-A		85	93	87	86	65	93
MB 460-117111/1-A		107	112	90	88	68	84
LCS 460-117106/2-A		72	75	74	73	74	83
LCS 460-117111/2-A		80	79	64	61	59	68
460-41546-21 MS	F-12 MS	74	77	80	83	67	87
460-41556-A-10-A MS DL		0D	0D	0D	0D	0D	0D
460-41546-21 MSD	F-12 MSD	74	77	80	82	69	86
460-41556-A-10-B MSD DL		0D	0D	0D	0D	0D	0D

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

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Surrogate Recovery Report**8081A TCL Pesticides (OLM04.2)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-41546-17	F-8	94	100	98	96
460-41546-18	F-9	91	99	98	90
460-41546-19	F-10	96	102	106	97
460-41546-20	F-11	85	92	90	85
460-41546-21	F-12	93	100	104	95
460-41546-22	F-13	94	102	101	97
460-41546-23	FB-E	97	105	102	93
MB 460-117130/1-A		121	128	138	126
LCS 460-117130/2-A		132	136	132	125
460-41546-21 MS	F-12 MS	128	131	134	121
460-41546-21 MSD	F-12 MSD	125	129	130	119

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

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Surrogate Recovery Report**8082 PCBs****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-41546-17	F-8	96	116
460-41546-18	F-9	87	93
460-41546-19	F-10	90	97
460-41546-20	F-11	80	87
460-41546-21	F-12	118	123
460-41546-22	F-13	101	132
460-41546-23	FB-E	95	115
MB 460-117107/1-A		127	135
LCS 460-117107/2-A		112	127
460-41546-21 MS	F-12 MS	124	133
460-41546-21 MSD	F-12 MSD	132	145

Surrogate

Acceptance Limits

DCB = DCB Decachlorobiphenyl

30-150

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Neutral Leach or MeOH Extraction Blank - Batch: 460-116894

Method: 8260B

Preparation: 5035

Lab Sample ID: LB3 460-116894/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/28/2012 0702
 Prep Date: 06/20/2012 2252
 Leach Date: N/A

Analysis Batch: 460-117776
 Prep Batch: 460-116894
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: VOAMS12
 Lab File ID: o61633.d
 Initial Weight/Volume: 5 g
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	0.19	U	0.19	1.0
1,1-Dichloroethane	0.11	U	0.11	1.0
1,2-Dichloroethane	0.18	U	0.18	1.0
1,1,1-Trichloroethane	0.13	U	0.13	1.0
2-Butanone	0.63	U	0.63	10
Acetone	2.96	J	1.7	10
Benzene	0.15	U	0.15	1.0
Bromoform	0.17	U	0.17	1.0
Bromomethane	0.43	U	0.43	1.0
Carbon disulfide	0.15	U	0.15	1.0
2-Hexanone	0.13	U	0.13	10
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.24	U	0.24	1.0
1,4-Dioxane	13	U	13	50
Chloromethane	0.16	U	0.16	1.0
cis-1,2-Dichloroethene	0.11	U	0.11	1.0
Cyclohexane	0.13	U	0.13	1.0
4-Methyl-2-pentanone	0.20	U	0.20	10
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
1,2-Dichlorobenzene	0.10	U	0.10	1.0
1,3-Dichlorobenzene	0.16	U	0.16	1.0
Ethylbenzene	0.17	U	0.17	1.0
Freon TF	0.11	U	0.11	1.0
1,4-Dichlorobenzene	0.11	U	0.11	1.0
1,2,4-Trichlorobenzene	0.19	U	0.19	1.0
Isopropylbenzene	0.11	U	0.11	1.0
1,2,3-Trichlorobenzene	0.16	U	0.16	1.0
Methyl acetate	0.32	U	0.32	1.0
1,2-Dichloropropane	0.15	U	0.15	1.0
Methylcyclohexane	0.10	U	0.10	1.0
Methylene Chloride	7.86		0.15	1.0
1,2-Dibromo-3-Chloropropane	0.44	U	0.44	1.0
MTBE	0.11	U	0.11	1.0
1,1,2,2-Tetrachloroethane	0.090	U	0.090	1.0
Styrene	0.28	U	0.28	1.0
1,1,2-Trichloroethane	0.14	U	0.14	1.0
Dibromochloromethane	0.10	U	0.10	1.0
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.14	U	0.14	1.0
1,2-Dibromoethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
Bromochloromethane	0.11	U	0.11	1.0

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Neutral Leach or MeOH Extraction Blank - Batch: 460-116894

Method: 8260B

Preparation: 5035

Lab Sample ID:	LB3 460-116894/1-A	Analysis Batch:	460-117776	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	460-116894	Lab File ID:	o61633.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	06/28/2012 0702	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	06/20/2012 2252				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
trans-1,3-Dichloropropene	0.10	U	0.10	1.0
Bromodichloromethane	0.32	U	0.32	1.0
Trichloroethene	0.12	U	0.12	1.0
Trichlorofluoromethane	0.16	U	0.16	1.0
Vinyl chloride	0.34	U	0.34	1.0
Xylenes, Total	0.67	U	0.67	3.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	70 - 130
Toluene-d8 (Surr)	81	70 - 130
Bromofluorobenzene	81	70 - 130

Method Blank TICs- Batch: 460-116894

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-116894**

**Method: 8260B
Preparation: 5035**

MS Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/28/2012 0956
Prep Date: 06/20/2012 2258
Leach Date: N/A

Analysis Batch: 460-117776
Prep Batch: 460-116894
Leach Batch: N/A

Instrument ID: VOAMS12
Lab File ID: o61640.d
Initial Weight/Volume: 4.22 g
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/28/2012 1021
Prep Date: 06/20/2012 2259
Leach Date: N/A

Analysis Batch: 460-117776
Prep Batch: 460-116894
Leach Batch: N/A

Instrument ID: VOAMS12
Lab File ID: o61641.d
Initial Weight/Volume: 4.25 g
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	108	105	78 - 117	3	30		
1,1,2,2-Tetrachloroethane	86	89	79 - 122	2	30		
1,1,2-Trichloroethane	88	90	73 - 118	1	30		
1,1-Dichloroethane	106	100	76 - 125	6	30		
1,1-Dichloroethene	109	105	71 - 126	5	30		
1,2,3-Trichlorobenzene	80	81	75 - 121	1	30		
1,2,4-Trichlorobenzene	85	83	80 - 120	3	30		
1,2-Dibromo-3-Chloropropane	75	78	74 - 118	3	30		
1,2-Dibromoethane	90	93	75 - 117	2	30		
1,2-Dichlorobenzene	90	91	80 - 120	0	30		
1,2-Dichloroethane	100	98	76 - 118	2	30		
1,2-Dichloropropane	101	99	82 - 122	3	30		
1,3-Dichlorobenzene	90	92	80 - 120	2	30		
1,4-Dichlorobenzene	89	89	80 - 120	1	30		
1,4-Dioxane	95	100	69 - 131	4	30		
2-Butanone	72	95	77 - 117	26	30	F	
2-Hexanone	71	79	70 - 122	10	30		
4-Methyl-2-pentanone	83	90	68 - 120	7	30		
Acetone	96	100	27 - 164	3	30		
Benzene	103	103	77 - 117	1	30		
Bromochloromethane	123	116	74 - 125	6	30		
Bromodichloromethane	107	106	79 - 119	2	30		
Bromoform	82	83	59 - 125	1	30		
Bromomethane	99	97	54 - 142	2	30		
Carbon disulfide	95	91	72 - 128	5	30		
Carbon tetrachloride	108	107	79 - 118	2	30		
Chlorobenzene	96	95	80 - 120	2	30		
Chloroethane	97	94	56 - 146	4	30		
Chloroform	106	104	77 - 120	3	30		
Chloromethane	106	104	50 - 151	2	30		
cis-1,2-Dichloroethene	107	101	80 - 120	6	30		
cis-1,3-Dichloropropene	99	102	80 - 123	2	30		
Cyclohexane	101	99	80 - 121	3	30		

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-116894**

**Method: 8260B
Preparation: 5035**

MS Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/28/2012 0956
Prep Date: 06/20/2012 2258
Leach Date: N/A

Analysis Batch: 460-117776
Prep Batch: 460-116894
Leach Batch: N/A

Instrument ID: VOAMS12
Lab File ID: o61640.d
Initial Weight/Volume: 4.22 g
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/28/2012 1021
Prep Date: 06/20/2012 2259
Leach Date: N/A

Analysis Batch: 460-117776
Prep Batch: 460-116894
Leach Batch: N/A

Instrument ID: VOAMS12
Lab File ID: o61641.d
Initial Weight/Volume: 4.25 g
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dibromochloromethane	82	83	68 - 120	1	30		
Dichlorodifluoromethane	77	76	52 - 144	2	30		
Ethylbenzene	100	96	81 - 121	4	30		
Freon TF	111	112	73 - 123	0	30		
Isopropylbenzene	96	95	65 - 129	1	30		
Methyl acetate	186	179	73 - 137	4	30	F	F
Methylcyclohexane	92	92	78 - 118	1	30		
Methylene Chloride	103	98	74 - 137	4	30		
MTBE	91	94	78 - 120	3	30		
Styrene	91	94	82 - 122	2	30		
Tetrachloroethene	104	101	80 - 120	3	30		
Toluene	95	93	75 - 115	3	30		
trans-1,2-Dichloroethene	105	100	75 - 122	5	30		
trans-1,3-Dichloropropene	74	76	67 - 121	2	30		
Trichloroethene	107	108	79 - 119	0	30		
Trichlorofluoromethane	93	93	61 - 139	1	30		
Vinyl chloride	93	88	67 - 133	6	30		
Xylenes, Total	94	94	82 - 122	0	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	100		99	70 - 130			
Toluene-d8 (Surr)	97		97	70 - 130			
Bromofluorobenzene	100		101	70 - 130			

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-116894

Method: 8260B
Preparation: 5035

MS Lab Sample ID: 460-41546-21 Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/28/2012 0956
Prep Date: 06/20/2012 2258
Leach Date: N/A

MSD Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/28/2012 1021
Prep Date: 06/20/2012 2259
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	0.17	U	25.6	25.4	27.6	26.7
1,1,2,2-Tetrachloroethane	0.12	U	25.6	25.4	22.0	22.5
1,1,2-Trichloroethane	0.18	U	25.6	25.4	22.5	22.8
1,1-Dichloroethane	0.15	U	25.6	25.4	27.0	25.4
1,1-Dichloroethene	0.25	U	25.6	25.4	28.0	26.6
1,2,3-Trichlorobenzene	0.21	U	25.6	25.4	20.5	20.6
1,2,4-Trichlorobenzene	0.25	U	25.6	25.4	21.7	21.1
1,2-Dibromo-3-Chloropropane	0.58	U	25.6	25.4	19.0	19.7
1,2-Dibromoethane	0.20	U	25.6	25.4	23.1	23.6
1,2-Dichlorobenzene	0.13	U	25.6	25.4	22.9	23.0
1,2-Dichloroethane	0.24	U	25.6	25.4	25.5	24.9
1,2-Dichloropropane	0.20	U	25.6	25.4	25.9	25.1
1,3-Dichlorobenzene	0.21	U	25.6	25.4	22.9	23.3
1,4-Dichlorobenzene	0.15	U	25.6	25.4	22.8	22.7
1,4-Dioxane	17	U	192	190	183	191
2-Butanone	0.83	U	25.6	25.4	18.5	F 24.0
2-Hexanone	0.17	U	25.6	25.4	18.1	20.0
4-Methyl-2-pentanone	0.26	U	25.6	25.4	21.2	22.8
Acetone	5.3	J	25.6	25.4	29.9	30.8
Benzene	0.20	U	25.6	25.4	26.3	26.1
Bromochloromethane	0.15	U	25.6	25.4	31.4	29.5
Bromodichloromethane	0.42	U	25.6	25.4	27.5	27.0
Bromoform	0.22	U	25.6	25.4	21.0	21.1
Bromomethane	0.57	U	25.6	25.4	25.2	24.7
Carbon disulfide	0.20	U	25.6	25.4	24.3	23.0
Carbon tetrachloride	0.20	U	25.6	25.4	27.6	27.1
Chlorobenzene	0.24	U	25.6	25.4	24.6	24.2
Chloroethane	0.44	U	25.6	25.4	24.8	24.0
Chloroform	0.32	U	25.6	25.4	27.2	26.4
Chloromethane	0.21	U	25.6	25.4	27.2	26.5
cis-1,2-Dichloroethene	0.15	U	25.6	25.4	27.3	25.7
cis-1,3-Dichloropropene	0.18	U	25.6	25.4	25.4	25.8
Cyclohexane	0.17	U	25.6	25.4	25.8	25.0
Dibromochloromethane	0.13	U	25.6	25.4	20.8	21.1
Dichlorodifluoromethane	0.29	U	25.6	25.4	19.6	19.2
Ethylbenzene	0.22	U	25.6	25.4	25.5	24.4
Freon TF	0.15	U	25.6	25.4	28.3	28.3
Isopropylbenzene	0.15	U	25.6	25.4	24.5	24.1
Methyl acetate	0.42	U	25.6	25.4	47.4	F 45.5 F
Methylcyclohexane	0.13	U	25.6	25.4	23.4	23.3
Methylene Chloride	8.0		25.6	25.4	34.3	33.0
MTBE	0.15	U	25.6	25.4	23.3	24.0
Styrene	0.37	U	25.6	25.4	23.3	23.7

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 460-116894

Method: 8260B

Preparation: 5035

MS Lab Sample ID: 460-41546-21 Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/28/2012 0956
Prep Date: 06/20/2012 2258
Leach Date: N/A

MSD Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/28/2012 1021
Prep Date: 06/20/2012 2259
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Tetrachloroethene	0.16	U	25.6	25.4	26.5	25.6
Toluene	0.18	U	25.6	25.4	24.2	23.5
trans-1,2-Dichloroethene	0.17	U	25.6	25.4	26.8	25.5
trans-1,3-Dichloropropene	0.13	U	25.6	25.4	18.8	19.2
Trichloroethene	0.16	U	25.6	25.4	27.2	27.3
Trichlorofluoromethane	0.21	U	25.6	25.4	23.8	23.5
Vinyl chloride	0.45	U	25.6	25.4	23.8	22.4
Xylenes, Total	0.88	U	76.7	76.1	71.7	71.5

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-117776

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 460-117776/5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/28/2012 0727
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 460-117776
Prep Batch: N/A
Leach Batch: N/A
Units: ug/Kg

Instrument ID: VOAMS12
Lab File ID: o61634.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	0.19	U	0.19	1.0
1,1-Dichloroethane	0.11	U	0.11	1.0
1,2-Dichloroethane	0.18	U	0.18	1.0
1,1,1-Trichloroethane	0.13	U	0.13	1.0
2-Butanone	0.63	U	0.63	10
Acetone	1.7	U	1.7	10
Benzene	0.15	U	0.15	1.0
Bromoform	0.17	U	0.17	1.0
Bromomethane	0.43	U	0.43	1.0
Carbon disulfide	0.15	U	0.15	1.0
2-Hexanone	0.13	U	0.13	10
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.24	U	0.24	1.0
1,4-Dioxane	13	U	13	50
Chloromethane	0.16	U	0.16	1.0
cis-1,2-Dichloroethene	0.11	U	0.11	1.0
Cyclohexane	0.13	U	0.13	1.0
4-Methyl-2-pentanone	0.20	U	0.20	10
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
1,2-Dichlorobenzene	0.10	U	0.10	1.0
1,3-Dichlorobenzene	0.16	U	0.16	1.0
Ethylbenzene	0.17	U	0.17	1.0
Freon TF	0.11	U	0.11	1.0
1,4-Dichlorobenzene	0.11	U	0.11	1.0
1,2,4-Trichlorobenzene	0.19	U	0.19	1.0
Isopropylbenzene	0.11	U	0.11	1.0
1,2,3-Trichlorobenzene	0.16	U	0.16	1.0
Methyl acetate	0.32	U	0.32	1.0
1,2-Dichloropropane	0.15	U	0.15	1.0
Methylcyclohexane	0.10	U	0.10	1.0
Methylene Chloride	0.477	J	0.15	1.0
1,2-Dibromo-3-Chloropropane	0.44	U	0.44	1.0
MTBE	0.11	U	0.11	1.0
1,1,2,2-Tetrachloroethane	0.090	U	0.090	1.0
Styrene	0.28	U	0.28	1.0
1,1,2-Trichloroethane	0.14	U	0.14	1.0
Dibromochloromethane	0.10	U	0.10	1.0
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.14	U	0.14	1.0
1,2-Dibromoethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
Bromochloromethane	0.11	U	0.11	1.0

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-117776

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-117776/5	Analysis Batch:	460-117776	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o61634.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/28/2012 0727	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
trans-1,3-Dichloropropene	0.10	U	0.10	1.0
Bromodichloromethane	0.32	U	0.32	1.0
Trichloroethene	0.12	U	0.12	1.0
Trichlorofluoromethane	0.16	U	0.16	1.0
Vinyl chloride	0.34	U	0.34	1.0
Xylenes, Total	0.67	U	0.67	3.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	70 - 130
Toluene-d8 (Surr)	96	70 - 130
Bromofluorobenzene	98	70 - 130

Method Blank TICs- Batch: 460-117776

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Control Sample - Batch: 460-117776

Method: 8260B

Preparation: N/A

Lab Sample ID:	LCS 460-117776/3	Analysis Batch:	460-117776	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o61630.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/28/2012 0511	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-Dichloroethene	20.0	19.4	97	71 - 126	
1,1-Dichloroethane	20.0	18.9	94	76 - 125	
1,2-Dichloroethane	20.0	18.4	92	76 - 118	
1,1,1-Trichloroethane	20.0	20.2	101	78 - 117	
2-Butanone	20.0	20.4	102	77 - 117	
Acetone	20.0	21.1	105	27 - 164	
Benzene	20.0	20.2	101	77 - 117	
Bromoform	20.0	17.2	86	59 - 125	
Bromomethane	20.0	19.6	98	54 - 142	
Carbon disulfide	20.0	19.0	95	72 - 128	
2-Hexanone	20.0	18.8	94	70 - 122	
Carbon tetrachloride	20.0	20.5	102	79 - 118	
Chlorobenzene	20.0	19.2	96	80 - 120	
Chloroethane	20.0	20.6	103	56 - 146	
Chloroform	20.0	19.8	99	77 - 120	
1,4-Dioxane	150	145	97	69 - 131	
Chloromethane	20.0	25.1	126	50 - 151	
cis-1,2-Dichloroethene	20.0	19.7	98	80 - 120	
Cyclohexane	20.0	20.1	100	80 - 121	
4-Methyl-2-pentanone	20.0	19.7	99	68 - 120	
cis-1,3-Dichloropropene	20.0	20.4	102	80 - 123	
1,2-Dichlorobenzene	20.0	18.9	94	80 - 120	
1,3-Dichlorobenzene	20.0	19.3	96	80 - 120	
Ethylbenzene	20.0	20.1	100	81 - 121	
Freon TF	20.0	20.2	101	73 - 123	
1,4-Dichlorobenzene	20.0	18.7	93	80 - 120	
1,2,4-Trichlorobenzene	20.0	19.8	99	80 - 120	
Isopropylbenzene	20.0	19.9	99	65 - 129	
1,2,3-Trichlorobenzene	20.0	18.8	94	75 - 121	
Methyl acetate	20.0	21.7	108	73 - 137	
1,2-Dichloropropane	20.0	19.8	99	82 - 122	
Methylcyclohexane	20.0	21.1	106	78 - 118	
Methylene Chloride	20.0	22.2	111	74 - 137	
1,2-Dibromo-3-Chloropropane	20.0	15.8	79	74 - 118	
MTBE	20.0	19.8	99	78 - 120	
1,1,2,2-Tetrachloroethane	20.0	18.4	92	79 - 122	
Styrene	20.0	19.0	95	82 - 122	
1,1,2-Trichloroethane	20.0	18.8	94	73 - 118	
Dibromochloromethane	20.0	16.9	84	68 - 120	
Tetrachloroethene	20.0	20.7	103	80 - 120	
Toluene	20.0	19.3	96	75 - 115	
1,2-Dibromoethane	20.0	19.4	97	75 - 117	
Dichlorodifluoromethane	20.0	21.5	107	52 - 144	
trans-1,2-Dichloroethene	20.0	19.8	99	75 - 122	
Bromochloromethane	20.0	21.9	109	74 - 125	
trans-1,3-Dichloropropene	20.0	16.4	82	67 - 121	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Control Sample - Batch: 460-117776

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 460-117776/3	Analysis Batch:	460-117776	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o61630.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/28/2012 0511	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromodichloromethane	20.0	20.5	103	79 - 119	
Trichloroethene	20.0	20.8	104	79 - 119	
Trichlorofluoromethane	20.0	20.4	102	61 - 139	
Vinyl chloride	20.0	21.6	108	67 - 133	
Xylenes, Total	60.0	58.0	97	82 - 122	
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		96		70 - 130	
Toluene-d8 (Surr)		101		70 - 130	
Bromofluorobenzene		105		70 - 130	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-117106

Method: 8270C Preparation: 3541

Lab Sample ID: MB 460-117106/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/26/2012 1002
Prep Date: 06/22/2012 0849
Leach Date: N/A

Analysis Batch: 460-117976
Prep Batch: 460-117106
Leach Batch: N/A
Units: ug/Kg

Instrument ID: BNAMS11
Lab File ID: z19062.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Phenol	44	U	44	330
2-Chlorophenol	44	U	44	330
2-Methylphenol	56	U	56	330
4-Methylphenol	65	U	65	330
Benzaldehyde	39	U	39	330
Acetophenone	51	U	51	330
Bis(2-chloroethyl)ether	4.5	U	4.5	33
2,2'-oxybis[1-chloropropane]	37	U	37	330
N-Nitrosodi-n-propylamine	5.5	U	5.5	33
Nitrobenzene	4.7	U	4.7	33
Hexachloroethane	3.7	U	3.7	33
Isophorone	40	U	40	330
2-Nitrophenol	37	U	37	330
2,4-Dimethylphenol	82	U	82	330
2,4-Dichlorophenol	48	U	48	330
Bis(2-chloroethoxy)methane	43	U	43	330
Naphthalene	38	U	38	330
4-Chloroaniline	88	U	88	330
Hexachlorobutadiene	8.1	U	8.1	67
Caprolactam	76	U	76	330
4-Chloro-3-methylphenol	50	U	50	330
2-Methylnaphthalene	43	U	43	330
Hexachlorobenzene	4.5	U	4.5	33
Hexachlorocyclopentadiene	39	U	39	330
2,4,6-Trichlorophenol	39	U	39	330
2,4,5-Trichlorophenol	43	U	43	330
Diphenyl	44	U	44	330
2-Chloronaphthalene	37	U	37	330
2-Nitroaniline	140	U	140	670
2,6-Dinitrotoluene	10	U	10	67
Dimethyl phthalate	39	U	39	330
Acenaphthylene	39	U	39	330
3-Nitroaniline	120	U	120	670
Acenaphthene	48	U	48	330
4-Nitrophenol	210	U	210	1000
2,4-Dinitrophenol	190	U	190	1000
Dibenzofuran	39	U	39	330
Diethyl phthalate	39	U	39	330
Fluorene	42	U	42	330
Fluoranthene	44	U	44	330
Di-n-butyl phthalate	41	U	41	330
2,4-Dinitrotoluene	11	U	11	67
4-Chlorophenyl phenyl ether	39	U	39	330
4-Nitroaniline	100	U	100	670
4,6-Dinitro-2-methylphenol	90	U	90	1000

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-117106

Method: 8270C Preparation: 3541

Lab Sample ID: MB 460-117106/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/26/2012 1002
Prep Date: 06/22/2012 0849
Leach Date: N/A

Analysis Batch: 460-117976
Prep Batch: 460-117106
Leach Batch: N/A
Units: ug/Kg

Instrument ID: BNAMS11
Lab File ID: z19062.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
4-Bromophenyl phenyl ether	33	U	33	330
Atrazine	51	U	51	330
Anthracene	40	U	40	330
Carbazole	39	U	39	330
Phenanthrene	42	U	42	330
Pentachlorophenol	99	U	99	1000
Pyrene	28	U	28	330
Chrysene	39	U	39	330
Benzo[k]fluoranthene	2.5	U	2.5	33
Benzo[g,h,i]perylene	25	U	25	330
Benzo[b]fluoranthene	2.1	U	2.1	33
Benzo[a]pyrene	2.3	U	2.3	33
Benzo[a]anthracene	2.3	U	2.3	33
N-Nitrosodiphenylamine	33	U	33	330
Butyl benzyl phthalate	30	U	30	330
Bis(2-ethylhexyl) phthalate	110	U	110	330
Di-n-octyl phthalate	21	U	21	330
Indeno[1,2,3-cd]pyrene	6.2	U	6.2	33
Dibenz(a,h)anthracene	4.2	U	4.2	33
3,3'-Dichlorobenzidine	120	U	120	670
1,2,4,5-Tetrachlorobenzene	45	U	45	330
2,3,4,6-Tetrachlorophenol	43	U	43	330
1,4-Dioxane	24	U	24	330

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	87	38 - 105
Phenol-d5	93	41 - 118
Terphenyl-d14	93	16 - 151
2,4,6-Tribromophenol	65	10 - 120
2-Fluorophenol	85	37 - 125
2-Fluorobiphenyl	86	40 - 109

Method Blank TICs- Batch: 460-117106

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown Aldol Condensate	1.96	4530	A J
	Degradation product of 2,4,6-Tribromophenol(sur)	8.06	286	J

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Control Sample - Batch: 460-117106

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-117106/2-A	Analysis Batch:	460-117976	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-117106	Lab File ID:	z19063.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	06/26/2012 1026	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0849			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	6670	5620	84	54 - 115	
2-Chlorophenol	6670	5960	89	56 - 110	
2-Methylphenol	6670	6060	91	54 - 117	
4-Methylphenol	6670	6180	93	47 - 103	
Benzaldehyde	3330	1550	47	10 - 160	
Acetophenone	3330	2940	88	40 - 95	
Bis(2-chloroethyl)ether	3330	2870	86	44 - 101	
2,2'-oxybis[1-chloropropane]	3330	2490	75	45 - 102	
N-Nitrosodi-n-propylamine	3330	2990	90	42 - 107	
Nitrobenzene	3330	2910	87	42 - 106	
Hexachloroethane	3330	2760	83	45 - 90	
Isophorone	3330	2940	88	48 - 97	
2-Nitrophenol	6670	6200	93	55 - 101	
2,4-Dimethylphenol	6670	6270	94	56 - 112	
2,4-Dichlorophenol	6670	5920	89	58 - 115	
Bis(2-chloroethoxy)methane	3330	3130	94	51 - 100	
Naphthalene	3330	2990	90	53 - 94	
4-Chloroaniline	3330	2370	71	10 - 96	
Hexachlorobutadiene	3330	2890	87	45 - 98	
Caprolactam	3330	2780	83	10 - 127	
4-Chloro-3-methylphenol	6670	6450	97	55 - 117	
2-Methylnaphthalene	3330	3070	92	51 - 98	
Hexachlorobenzene	3330	3150	95	43 - 104	
Hexachlorocyclopentadiene	3330	2140	64	24 - 98	
2,4,6-Trichlorophenol	6670	5930	89	53 - 118	
2,4,5-Trichlorophenol	6670	5660	85	50 - 115	
Diphenyl	3330	2990	90	50 - 105	
2-Chloronaphthalene	3330	2940	88	51 - 102	
2-Nitroaniline	3330	3600	108	51 - 109	
2,6-Dinitrotoluene	3330	3190	96	51 - 115	
Dimethyl phthalate	3330	3150	94	52 - 112	
Acenaphthylene	3330	2960	89	51 - 103	
3-Nitroaniline	3330	2510	75	32 - 104	
Acenaphthene	3330	3060	92	46 - 100	
4-Nitrophenol	6670	5410	81	45 - 114	
2,4-Dinitrophenol	6670	1140	17	10 - 129	
Dibenzofuran	3330	2950	88	52 - 106	
Diethyl phthalate	3330	3130	94	52 - 114	
Fluorene	3330	3080	92	51 - 108	
Fluoranthene	3330	3090	93	49 - 108	
Di-n-butyl phthalate	3330	3160	95	50 - 108	
2,4-Dinitrotoluene	3330	3180	95	53 - 110	
4-Chlorophenyl phenyl ether	3330	3120	94	50 - 106	
4-Nitroaniline	3330	2930	88	45 - 106	
4,6-Dinitro-2-methylphenol	6670	2220	33	10 - 110	
4-Bromophenyl phenyl ether	3330	3210	96	44 - 102	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Control Sample - Batch: 460-117106

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-117106/2-A	Analysis Batch:	460-117976	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-117106	Lab File ID:	z19063.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	06/26/2012 1026	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0849			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	3330	2320	70	30 - 100	
Anthracene	3330	3080	92	50 - 107	
Carbazole	3330	3160	95	49 - 104	
Phenanthrene	3330	3130	94	48 - 108	
Pentachlorophenol	6670	5490	82	19 - 113	
Pyrene	3330	3370	101	49 - 116	
Chrysene	3330	3170	95	45 - 114	
Benzo[k]fluoranthene	3330	2840	85	35 - 115	
Benzo[g,h,i]perylene	3330	3110	93	43 - 106	
Benzo[b]fluoranthene	3330	2830	85	33 - 96	
Benzo[a]pyrene	3330	2900	87	36 - 89	
Benzo[a]anthracene	3330	3050	92	46 - 112	
N-Nitrosodiphenylamine	3330	3360	101	49 - 106	
Butyl benzyl phthalate	3330	3330	100	49 - 117	
Bis(2-ethylhexyl) phthalate	3330	3310	99	49 - 119	
Di-n-octyl phthalate	3330	3020	91	40 - 106	
Indeno[1,2,3-cd]pyrene	3330	2410	72	43 - 109	
Dibenz(a,h)anthracene	3330	2680	80	43 - 107	
3,3'-Dichlorobenzidine	3330	2290	69	24 - 105	
1,2,4,5-Tetrachlorobenzene	3330	2740	82	70 - 130	
2,3,4,6-Tetrachlorophenol	3330	3020	91	70 - 130	
Surrogate	% Rec		Acceptance Limits		
Nitrobenzene-d5	74		38 - 105		
Phenol-d5	75		41 - 118		
Terphenyl-d14	83		16 - 151		
2,4,6-Tribromophenol	74		10 - 120		
2-Fluorophenol	72		37 - 125		
2-Fluorobiphenyl	73		40 - 109		

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-117106**

**Method: 8270C
Preparation: 3541**

MS Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/27/2012 1449
Prep Date: 06/22/2012 0849
Leach Date: N/A

Analysis Batch: 460-117977
Prep Batch: 460-117106
Leach Batch: N/A

Instrument ID: BNAMS11
Lab File ID: z19102.d
Initial Weight/Volume: 15.04 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/27/2012 1513
Prep Date: 06/22/2012 0849
Leach Date: N/A

Analysis Batch: 460-117977
Prep Batch: 460-117106
Leach Batch: N/A

Instrument ID: BNAMS11
Lab File ID: z19103.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenol	83	84	54 - 115	2	30		
2-Chlorophenol	91	90	56 - 110	1	30		
2-Methylphenol	92	92	54 - 117	0	30		
4-Methylphenol	91	91	47 - 103	0	30		
Benzaldehyde	43	45	10 - 160	4	30		
Acetophenone	89	89	40 - 95	0	30		
Bis(2-chloroethyl)ether	87	86	44 - 101	1	30		
2,2'-oxybis[1-chloropropane]	77	78	45 - 102	1	30		
N-Nitrosodi-n-propylamine	95	97	42 - 107	3	30		
Nitrobenzene	91	91	42 - 106	1	30		
Hexachloroethane	83	83	45 - 90	0	30		
Isophorone	90	90	48 - 97	1	30		
2-Nitrophenol	95	94	55 - 101	1	30		
2,4-Dimethylphenol	93	93	56 - 112	1	30		
2,4-Dichlorophenol	90	89	58 - 115	1	30		
Bis(2-chloroethoxy)methane	97	96	51 - 100	1	30		
Naphthalene	92	92	53 - 94	0	30		
4-Chloroaniline	59	61	10 - 96	4	30		
Hexachlorobutadiene	89	88	45 - 98	2	30		
Caprolactam	82	89	10 - 127	8	30		
4-Chloro-3-methylphenol	93	95	55 - 117	2	30		
2-Methylnaphthalene	92	92	51 - 98	0	30		
Hexachlorobenzene	104	99	43 - 104	4	30		
Hexachlorocyclopentadiene	63	65	24 - 98	3	30		
2,4,6-Trichlorophenol	93	92	53 - 118	1	30		
2,4,5-Trichlorophenol	91	90	50 - 115	1	30		
Diphenyl	101	99	50 - 105	2	30		
2-Chloronaphthalene	98	96	51 - 102	2	30		
2-Nitroaniline	87	86	51 - 109	2	30		
2,6-Dinitrotoluene	98	99	51 - 115	1	30		
Dimethyl phthalate	97	99	52 - 112	1	30		
Acenaphthylene	94	94	51 - 103	1	30		
3-Nitroaniline	71	75	32 - 104	6	30		

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-117106

Method: 8270C
Preparation: 3541

MS Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/27/2012 1449
Prep Date: 06/22/2012 0849
Leach Date: N/A

Analysis Batch: 460-117977
Prep Batch: 460-117106
Leach Batch: N/A

Instrument ID: BNAMS11
Lab File ID: z19102.d
Initial Weight/Volume: 15.04 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/27/2012 1513
Prep Date: 06/22/2012 0849
Leach Date: N/A

Analysis Batch: 460-117977
Prep Batch: 460-117106
Leach Batch: N/A

Instrument ID: BNAMS11
Lab File ID: z19103.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acenaphthene	99	97	46 - 100	2	30		
4-Nitrophenol	80	79	45 - 114	1	30		
2,4-Dinitrophenol	8	7	10 - 129	13	30	J F	J F
Dibenzofuran	95	93	52 - 106	2	30		
Diethyl phthalate	93	95	52 - 114	2	30		
Fluorene	95	94	51 - 108	1	30		
Fluoranthene	89	91	49 - 108	2	30		
Di-n-butyl phthalate	97	97	50 - 108	0	30		
2,4-Dinitrotoluene	91	94	53 - 110	3	30		
4-Chlorophenyl phenyl ether	97	95	50 - 106	2	30		
4-Nitroaniline	67	83	45 - 106	21	30		
4,6-Dinitro-2-methylphenol	23	21	10 - 110	9	30		
4-Bromophenyl phenyl ether	108	101	44 - 102	6	30	F	
Atrazine	74	73	30 - 100	1	30		
Anthracene	98	96	50 - 107	3	30		
Carbazole	95	95	49 - 104	0	30		
Phenanthrene	101	99	48 - 108	2	30		
Pentachlorophenol	59	51	19 - 113	14	30		
Pyrene	106	102	49 - 116	4	30		
Chrysene	106	97	45 - 114	9	30		
Benzo[k]fluoranthene	89	87	35 - 115	2	30		
Benzo[g,h,i]perylene	114	111	43 - 106	3	30	F	F
Benzo[b]fluoranthene	89	87	33 - 96	2	30		
Benzo[a]pyrene	96	95	36 - 89	1	30	F	F
Benzo[a]anthracene	101	99	46 - 112	2	30		
N-Nitrosodiphenylamine	113	107	49 - 106	5	30	F	F
Butyl benzyl phthalate	111	107	49 - 117	4	30		
Bis(2-ethylhexyl) phthalate	111	107	49 - 119	3	30		
Di-n-octyl phthalate	92	92	40 - 106	0	30		
Indeno[1,2,3-cd]pyrene	96	92	43 - 109	4	30		
Dibenz(a,h)anthracene	101	100	43 - 107	1	30		
3,3'-Dichlorobenzidine	91	83	24 - 105	8	30		
1,2,4,5-Tetrachlorobenzene	92	89	70 - 130	3	30		

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-117106**

**Method: 8270C
Preparation: 3541**

MS Lab Sample ID:	460-41546-21	Analysis Batch:	460-117977	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-117106	Lab File ID:	z19102.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	06/27/2012 1449			Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0849			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-41546-21	Analysis Batch:	460-117977	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-117106	Lab File ID:	z19103.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	06/27/2012 1513			Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0849			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
2,3,4,6-Tetrachlorophenol	75	76	70 - 130	1	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
Nitrobenzene-d5	80		80	38 - 105			
Phenol-d5	77		77	41 - 118			
Terphenyl-d14	87		86	16 - 151			
2,4,6-Tribromophenol	67		69	10 - 120			
2-Fluorophenol	74		74	37 - 125			
2-Fluorobiphenyl	83		82	40 - 109			

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-117106

Method: 8270C
Preparation: 3541

MS Lab Sample ID: 460-41546-21 Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/27/2012 1449
Prep Date: 06/22/2012 0849
Leach Date: N/A

MSD Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/27/2012 1513
Prep Date: 06/22/2012 0849
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Phenol	48 U	7170	7180	5950	6050
2-Chlorophenol	47 U	7170	7180	6510	6480
2-Methylphenol	61 U	7170	7180	6600	6610
4-Methylphenol	70 U	7170	7180	6550	6530
Benzaldehyde	42 U	3580	3590	1560	1630
Acetophenone	55 U	3580	3590	3190	3180
Bis(2-chloroethyl)ether	4.9 U	3580	3590	3130	3090
2,2'-oxybis[1-chloropropane]	39 U	3580	3590	2760	2780
N-Nitrosodi-n-propylamine	5.9 U	3580	3590	3400	3490
Nitrobenzene	5.1 U	3580	3590	3270	3250
Hexachloroethane	4.0 U	3580	3590	2990	2980
Isophorone	43 U	3580	3590	3220	3250
2-Nitrophenol	40 U	7170	7180	6830	6740
2,4-Dimethylphenol	88 U	7170	7180	6700	6660
2,4-Dichlorophenol	52 U	7170	7180	6440	6360
Bis(2-chloroethoxy)methane	46 U	3580	3590	3480	3460
Naphthalene	41 U	3580	3590	3300	3310
4-Chloroaniline	94 U	3580	3590	2100	2190
Hexachlorobutadiene	8.7 U	3580	3590	3210	3160
Caprolactam	82 U	3580	3590	2940	3190
4-Chloro-3-methylphenol	54 U	7170	7180	6700	6850
2-Methylnaphthalene	46 U	3580	3590	3300	3310
Hexachlorobenzene	4.9 U	3580	3590	3720	3570
Hexachlorocyclopentadiene	42 U	3580	3590	2270	2330
2,4,6-Trichlorophenol	42 U	7170	7180	6700	6640
2,4,5-Trichlorophenol	46 U	7170	7180	6550	6480
Diphenyl	48 U	3580	3590	3620	3560
2-Chloronaphthalene	40 U	3580	3590	3520	3440
2-Nitroaniline	150 U	3580	3590	3130	3080
2,6-Dinitrotoluene	11 U	3580	3590	3500	3540
Dimethyl phthalate	42 U	3580	3590	3490	3540
Acenaphthylene	42 U	3580	3590	3390	3360
3-Nitroaniline	130 U	3580	3590	2550	2700
Acenaphthene	52 U	3580	3590	3560	3480
4-Nitrophenol	230 U	7170	7180	5750	5690
2,4-Dinitrophenol	200 U	7170	7180	570 J F	499 J F
Dibenzofuran	42 U	3580	3590	3400	3330
Diethyl phthalate	42 U	3580	3590	3340	3400
Fluorene	46 U	3580	3590	3410	3390
Fluoranthene	47 U	3580	3590	3210	3260
Di-n-butyl phthalate	44 U	3580	3590	3490	3490
2,4-Dinitrotoluene	12 U	3580	3590	3250	3360
4-Chlorophenyl phenyl ether	42 U	3580	3590	3480	3420

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-117106**

**Method: 8270C
Preparation: 3541**

MS Lab Sample ID: 460-41546-21 Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/27/2012 1449
Prep Date: 06/22/2012 0849
Leach Date: N/A

MSD Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/27/2012 1513
Prep Date: 06/22/2012 0849
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
4-Nitroaniline	110	U	3580	3590	2390	2960	
4,6-Dinitro-2-methylphenol	97	U	7170	7180	1630	1490	
4-Bromophenyl phenyl ether	35	U	3580	3590	3860	3620	F
Atrazine	55	U	3580	3590	2640	2620	
Anthracene	43	U	3580	3590	3520	3430	
Carbazole	42	U	3580	3590	3390	3400	
Phenanthrene	45	U	3580	3590	3630	3560	
Pentachlorophenol	110	U	7170	7180	4260	3690	
Pyrene	30	U	3580	3590	3810	3660	
Chrysene	42	U	3580	3590	3810	3470	
Benzo[k]fluoranthene	2.7	U	3580	3590	3210	3140	
Benzo[g,h,i]perylene	26	U	3580	3590	4090	3970	F
Benzo[b]fluoranthene	2.3	U	3580	3590	3190	3130	
Benzo[a]pyrene	2.5	U	3580	3590	3450	3420	F
Benzo[a]anthracene	2.5	U	3580	3590	3610	3550	
N-Nitrosodiphenylamine	35	U	3580	3590	4050	3850	F
Butyl benzyl phthalate	33	U	3580	3590	3990	3830	
Bis(2-ethylhexyl) phthalate	120	U	3580	3590	3960	3840	
Di-n-octyl phthalate	23	U	3580	3590	3290	3290	
Indeno[1,2,3-cd]pyrene	6.6	U	3580	3590	3430	3300	
Dibenz(a,h)anthracene	4.5	U	3580	3590	3620	3590	
3,3'-Dichlorobenzidine	120	U	3580	3590	3250	3000	
1,2,4,5-Tetrachlorobenzene	48	U	3580	3590	3300	3210	
2,3,4,6-Tetrachlorophenol	46	U	3580	3590	2680	2710	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-117111

Method: 8270C Preparation: 3541

Lab Sample ID: MB 460-117111/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/25/2012 1342
Prep Date: 06/22/2012 0858
Leach Date: N/A

Analysis Batch: 460-117489
Prep Batch: 460-117111
Leach Batch: N/A
Units: ug/Kg

Instrument ID: BNAMS4
Lab File ID: u77720.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Phenol	44	U	44	330
2-Chlorophenol	44	U	44	330
2-Methylphenol	56	U	56	330
4-Methylphenol	65	U	65	330
Benzaldehyde	39	U	39	330
Acetophenone	51	U	51	330
Bis(2-chloroethyl)ether	4.5	U	4.5	33
2,2'-oxybis[1-chloropropane]	37	U	37	330
N-Nitrosodi-n-propylamine	5.5	U	5.5	33
Nitrobenzene	4.7	U	4.7	33
Hexachloroethane	3.7	U	3.7	33
Isophorone	40	U	40	330
2-Nitrophenol	37	U	37	330
2,4-Dimethylphenol	82	U	82	330
2,4-Dichlorophenol	48	U	48	330
Bis(2-chloroethoxy)methane	43	U	43	330
Naphthalene	38	U	38	330
4-Chloroaniline	88	U	88	330
Hexachlorobutadiene	8.1	U	8.1	67
Caprolactam	76	U	76	330
4-Chloro-3-methylphenol	50	U	50	330
2-Methylnaphthalene	43	U	43	330
Hexachlorobenzene	4.5	U	4.5	33
Hexachlorocyclopentadiene	39	U	39	330
2,4,6-Trichlorophenol	39	U	39	330
2,4,5-Trichlorophenol	43	U	43	330
Diphenyl	44	U	44	330
2-Chloronaphthalene	37	U	37	330
2-Nitroaniline	140	U	140	670
2,6-Dinitrotoluene	10	U	10	67
Dimethyl phthalate	39	U	39	330
Acenaphthylene	39	U	39	330
3-Nitroaniline	120	U	120	670
Acenaphthene	48	U	48	330
4-Nitrophenol	210	U	210	1000
2,4-Dinitrophenol	190	U	190	1000
Dibenzofuran	39	U	39	330
Diethyl phthalate	39	U	39	330
Fluorene	42	U	42	330
Fluoranthene	44	U	44	330
Di-n-butyl phthalate	41	U	41	330
2,4-Dinitrotoluene	11	U	11	67
4-Chlorophenyl phenyl ether	39	U	39	330
4-Nitroaniline	100	U	100	670
4,6-Dinitro-2-methylphenol	90	U	90	1000

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-117111

Method: 8270C Preparation: 3541

Lab Sample ID: MB 460-117111/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/25/2012 1342
Prep Date: 06/22/2012 0858
Leach Date: N/A

Analysis Batch: 460-117489
Prep Batch: 460-117111
Leach Batch: N/A
Units: ug/Kg

Instrument ID: BNAMS4
Lab File ID: u77720.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
4-Bromophenyl phenyl ether	33	U	33	330
Atrazine	51	U	51	330
Anthracene	40	U	40	330
Carbazole	39	U	39	330
Phenanthrene	42	U	42	330
Pentachlorophenol	99	U	99	1000
Pyrene	28	U	28	330
Chrysene	39	U	39	330
Benzo[k]fluoranthene	2.5	U	2.5	33
Benzo[g,h,i]perylene	25	U	25	330
Benzo[b]fluoranthene	2.1	U	2.1	33
Benzo[a]pyrene	2.3	U	2.3	33
Benzo[a]anthracene	2.3	U	2.3	33
N-Nitrosodiphenylamine	33	U	33	330
Butyl benzyl phthalate	30	U	30	330
Bis(2-ethylhexyl) phthalate	110	U	110	330
Di-n-octyl phthalate	21	U	21	330
Indeno[1,2,3-cd]pyrene	6.2	U	6.2	33
Dibenz(a,h)anthracene	4.2	U	4.2	33
3,3'-Dichlorobenzidine	120	U	120	670
1,2,4,5-Tetrachlorobenzene	45	U	45	330
2,3,4,6-Tetrachlorophenol	43	U	43	330
1,4-Dioxane	24	U	24	330

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	90	38 - 105
Phenol-d5	112	41 - 118
Terphenyl-d14	84	16 - 151
2,4,6-Tribromophenol	68	10 - 120
2-Fluorophenol	107	37 - 125
2-Fluorobiphenyl	88	40 - 109

Method Blank TICs- Batch: 460-117111

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown Aldol Condensate	2.15	4540	A J
	Degradation product of 2,4,6-Tribromophenol(sur)	8.38	309	J

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Control Sample - Batch: 460-117111

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-117111/2-A	Analysis Batch:	460-117489	Instrument ID:	BNAMS4
Client Matrix:	Solid	Prep Batch:	460-117111	Lab File ID:	u77724.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	06/25/2012 1526	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0858			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	6670	6250	94	54 - 115	
2-Chlorophenol	6670	6940	104	56 - 110	
2-Methylphenol	6670	6610	99	54 - 117	
4-Methylphenol	6670	6420	96	47 - 103	
Benzaldehyde	3330	1770	53	10 - 160	
Acetophenone	3330	2640	79	40 - 95	
Bis(2-chloroethyl)ether	3330	2930	88	44 - 101	
2,2'-oxybis[1-chloropropane]	3330	2800	84	45 - 102	
N-Nitrosodi-n-propylamine	3330	2090	63	42 - 107	
Nitrobenzene	3330	2500	75	42 - 106	
Hexachloroethane	3330	2390	72	45 - 90	
Isophorone	3330	2340	70	48 - 97	
2-Nitrophenol	6670	5760	86	55 - 101	
2,4-Dimethylphenol	6670	6180	93	56 - 112	
2,4-Dichlorophenol	6670	5860	88	58 - 115	
Bis(2-chloroethoxy)methane	3330	2850	86	51 - 100	
Naphthalene	3330	2780	83	53 - 94	
4-Chloroaniline	3330	2170	65	10 - 96	
Hexachlorobutadiene	3330	2410	72	45 - 98	
Caprolactam	3330	1840	55	10 - 127	
4-Chloro-3-methylphenol	6670	5800	87	55 - 117	
2-Methylnaphthalene	3330	2780	83	51 - 98	
Hexachlorobenzene	3330	2500	75	43 - 104	
Hexachlorocyclopentadiene	3330	1520	45	24 - 98	
2,4,6-Trichlorophenol	6670	5230	78	53 - 118	
2,4,5-Trichlorophenol	6670	5300	80	50 - 115	
Diphenyl	3330	2810	84	50 - 105	
2-Chloronaphthalene	3330	2690	81	51 - 102	
2-Nitroaniline	3330	2640	79	51 - 109	
2,6-Dinitrotoluene	3330	2900	87	51 - 115	
Dimethyl phthalate	3330	2820	85	52 - 112	
Acenaphthylene	3330	2680	81	51 - 103	
3-Nitroaniline	3330	2370	71	32 - 104	
Acenaphthene	3330	2650	79	46 - 100	
4-Nitrophenol	6670	5330	80	45 - 114	
2,4-Dinitrophenol	6670	1470	22	10 - 129	
Dibenzofuran	3330	2640	79	52 - 106	
Diethyl phthalate	3330	2840	85	52 - 114	
Fluorene	3330	2830	85	51 - 108	
Fluoranthene	3330	2480	74	49 - 108	
Di-n-butyl phthalate	3330	2830	85	50 - 108	
2,4-Dinitrotoluene	3330	2960	89	53 - 110	
4-Chlorophenyl phenyl ether	3330	2530	76	50 - 106	
4-Nitroaniline	3330	2910	87	45 - 106	
4,6-Dinitro-2-methylphenol	6670	2580	39	10 - 110	
4-Bromophenyl phenyl ether	3330	2540	76	44 - 102	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Control Sample - Batch: 460-117111

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-117111/2-A	Analysis Batch:	460-117489	Instrument ID:	BNAMS4
Client Matrix:	Solid	Prep Batch:	460-117111	Lab File ID:	u77724.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	06/25/2012 1526	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0858			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	3330	1850	55	30 - 100	
Anthracene	3330	2510	75	50 - 107	
Carbazole	3330	2630	79	49 - 104	
Phenanthrene	3330	2640	79	48 - 108	
Pentachlorophenol	6670	4190	63	19 - 113	
Pyrene	3330	2780	83	49 - 116	
Chrysene	3330	2790	84	45 - 114	
Benzo[k]fluoranthene	3330	2260	68	35 - 115	
Benzo[g,h,i]perylene	3330	2250	68	43 - 106	
Benzo[b]fluoranthene	3330	2150	65	33 - 96	
Benzo[a]pyrene	3330	2410	72	36 - 89	
Benzo[a]anthracene	3330	2540	76	46 - 112	
N-Nitrosodiphenylamine	3330	2860	86	49 - 106	
Butyl benzyl phthalate	3330	2990	90	49 - 117	
Bis(2-ethylhexyl) phthalate	3330	2860	86	49 - 119	
Di-n-octyl phthalate	3330	2520	76	40 - 106	
Indeno[1,2,3-cd]pyrene	3330	2360	71	43 - 109	
Dibenz(a,h)anthracene	3330	2270	68	43 - 107	
3,3'-Dichlorobenzidine	3330	2220	67	24 - 105	
1,2,4,5-Tetrachlorobenzene	3330	2240	67	70 - 130	*
2,3,4,6-Tetrachlorophenol	3330	2470	74	70 - 130	
Surrogate	% Rec		Acceptance Limits		
Nitrobenzene-d5	64		38 - 105		
Phenol-d5	79		41 - 118		
Terphenyl-d14	68		16 - 151		
2,4,6-Tribromophenol	59		10 - 120		
2-Fluorophenol	80		37 - 125		
2-Fluorobiphenyl	61		40 - 109		

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-117111**

**Method: 8270C
Preparation: 3541**

MS Lab Sample ID: 460-41556-A-10-A MSDL	Analysis Batch: 460-117507	Instrument ID: BNAMS4
Client Matrix: Solid	Prep Batch: 460-117111	Lab File ID: u77757.d
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 15.03 g
Analysis Date: 06/26/2012 1051	Run Type: DL	Final Weight/Volume: 1 mL
Prep Date: 06/22/2012 0858		Injection Volume: 1 uL
Leach Date: N/A		

MSD Lab Sample ID: 460-41556-A-10-B	Analysis Batch: 460-117507	Instrument ID: BNAMS4
Client Matrix: Solid	Prep Batch: 460-117111	Lab File ID: u77758.d
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 15.01 g
Analysis Date: 06/26/2012 1111	Run Type: DL	Final Weight/Volume: 1 mL
Prep Date: 06/22/2012 0858		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenol	0	0	54 - 115	NC	30	U F	U F
2-Chlorophenol	0	0	56 - 110	NC	30	U F	U F
2-Methylphenol	0	0	54 - 117	NC	30	U F	U F
4-Methylphenol	0	0	47 - 103	NC	30	U F	U F
Benzaldehyde	NC	NC	10 - 160	NC	30	U	U
Acetophenone	NC	NC	40 - 95	NC	30	U	U
Bis(2-chloroethyl)ether	0	0	44 - 101	NC	30	U F	U F
2,2'-oxybis[1-chloropropane]	NC	NC	45 - 102	NC	30	U	U
N-Nitrosodi-n-propylamine	0	0	42 - 107	NC	30	U F	U F
Nitrobenzene	0	0	42 - 106	NC	30	U F	U F
Hexachloroethane	0	0	45 - 90	NC	30	U F	U F
Isophorone	NC	NC	48 - 97	NC	30	U	U
2-Nitrophenol	0	0	55 - 101	NC	30	U F	U F
2,4-Dimethylphenol	NC	NC	56 - 112	NC	30	U	U
2,4-Dichlorophenol	0	0	58 - 115	NC	30	U F	U F
Bis(2-chloroethoxy)methane	NC	NC	51 - 100	NC	30	U	U
Naphthalene	NC	NC	53 - 94	NC	30	U	U
4-Chloroaniline	NC	NC	10 - 96	NC	30	U	U
Hexachlorobutadiene	0	0	45 - 98	NC	30	U F	U F
Caprolactam	NC	NC	10 - 127	NC	30	U	U
4-Chloro-3-methylphenol	0	0	55 - 117	NC	30	U F	U F
2-Methylnaphthalene	NC	NC	51 - 98	NC	30	U	U
Hexachlorobenzene	0	0	43 - 104	NC	30	U F	U F
Hexachlorocyclopentadiene	NC	NC	24 - 98	NC	30	U	U
2,4,6-Trichlorophenol	0	0	53 - 118	NC	30	U F	U F
2,4,5-Trichlorophenol	0	0	50 - 115	NC	30	U F	U F
Diphenyl	NC	NC	50 - 105	NC	30	U	U
2-Chloronaphthalene	NC	NC	51 - 102	NC	30	U	U
2-Nitroaniline	NC	NC	51 - 109	NC	30	U	U
2,6-Dinitrotoluene	0	0	51 - 115	NC	30	U F	U F
Dimethyl phthalate	NC	NC	52 - 112	NC	30	U	U
Acenaphthylene	NC	NC	51 - 103	NC	30	U	U
3-Nitroaniline	NC	NC	32 - 104	NC	30	U	U

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-117111

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	460-41556-A-10-A MSDL	Analysis Batch:	460-117507	Instrument ID:	BNAMS4
Client Matrix:	Solid	Prep Batch:	460-117111	Lab File ID:	u77757.d
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	06/26/2012 1051	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0858			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-41556-A-10-B	Analysis Batch:	460-117507	Instrument ID:	BNAMS4
Client Matrix:	Solid	Prep Batch:	460-117111	Lab File ID:	u77758.d
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	06/26/2012 1111	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0858			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acenaphthene	NC	NC	46 - 100	NC	30	U	U
4-Nitrophenol	NC	NC	45 - 114	NC	30	U	U
2,4-Dinitrophenol	NC	NC	10 - 129	NC	30	U	U
Dibenzofuran	NC	NC	52 - 106	NC	30	U	U
Diethyl phthalate	NC	NC	52 - 114	NC	30	U	U
Fluorene	NC	NC	51 - 108	NC	30	U	U
Fluoranthene	NC	NC	49 - 108	NC	30	U	U
Di-n-butyl phthalate	NC	NC	50 - 108	NC	30	U	U
2,4-Dinitrotoluene	0	0	53 - 110	NC	30	U F	U F
4-Chlorophenyl phenyl ether	NC	NC	50 - 106	NC	30	U	U
4-Nitroaniline	NC	NC	45 - 106	NC	30	U	U
4,6-Dinitro-2-methylphenol	NC	NC	10 - 110	NC	30	U	U
4-Bromophenyl phenyl ether	0	0	44 - 102	NC	30	U F	U F
Atrazine	NC	NC	30 - 100	NC	30	U	U
Anthracene	NC	NC	50 - 107	NC	30	U	U
Carbazole	NC	NC	49 - 104	NC	30	U	U
Phenanthrene	NC	NC	48 - 108	NC	30	U	U
Pentachlorophenol	NC	NC	19 - 113	NC	30	U	U
Pyrene	0	0	49 - 116	NC	30	U F	U F
Chrysene	NC	NC	45 - 114	NC	30	U	U
Benzo[k]fluoranthene	0	0	35 - 115	NC	30	U F	U F
Benzo[g,h,i]perylene	0	0	43 - 106	NC	30	U F	U F
Benzo[b]fluoranthene	0	0	33 - 96	NC	30	U F	U F
Benzo[a]pyrene	0	0	36 - 89	NC	30	U F	U F
Benzo[a]anthracene	0	0	46 - 112	NC	30	U F	U F
N-Nitrosodiphenylamine	0	0	49 - 106	NC	30	U F	U F
Butyl benzyl phthalate	0	0	49 - 117	NC	30	U F	U F
Bis(2-ethylhexyl) phthalate	585	582	49 - 119	0	30	4	4
Di-n-octyl phthalate	95	-33	40 - 106	26	30	J 4	J 4
Indeno[1,2,3-cd]pyrene	0	0	43 - 109	NC	30	U F	U F
Dibenz(a,h)anthracene	0	0	43 - 107	NC	30	U F	U F
3,3'-Dichlorobenzidine	NC	NC	24 - 105	NC	30	U	U
1,2,4,5-Tetrachlorobenzene	NC	NC	70 - 130	NC	30	U	U

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-117111**

**Method: 8270C
Preparation: 3541**

MS Lab Sample ID:	460-41556-A-10-A MSDL	Analysis Batch:	460-117507	Instrument ID:	BNAMS4
Client Matrix:	Solid	Prep Batch:	460-117111	Lab File ID:	u77757.d
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	06/26/2012 1051	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0858			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-41556-A-10-B	Analysis Batch:	460-117507	Instrument ID:	BNAMS4
Client Matrix:	Solid	Prep Batch:	460-117111	Lab File ID:	u77758.d
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	06/26/2012 1111	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	06/22/2012 0858			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
2,3,4,6-Tetrachlorophenol	NC	NC	70 - 130	NC	30	U	U
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Nitrobenzene-d5	0	D	0	D	38 - 105		
Phenol-d5	0	D	0	D	41 - 118		
Terphenyl-d14	0	D	0	D	16 - 151		
2,4,6-Tribromophenol	0	D	0	D	10 - 120		
2-Fluorophenol	0	D	0	D	37 - 125		
2-Fluorobiphenyl	0	D	0	D	40 - 109		

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-117111

Method: 8270C
Preparation: 3541

MS Lab Sample ID: 460-41556-A-10-A MSDL Units: ug/Kg
Client Matrix: Solid
Dilution: 100
Analysis Date: 06/26/2012 1051
Prep Date: 06/22/2012 0858
Leach Date: N/A
Run Type: DL

MSD Lab Sample ID: 460-41556-A-10-B
Client Matrix: Solid
Dilution: 100
Analysis Date: 06/26/2012 1111
Prep Date: 06/22/2012 0858
Leach Date: N/A
Run Type: DL

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Phenol	5700	U	8590	8580	5700	U F	5700	U F
2-Chlorophenol	5600	U	8590	8580	5600	U F	5600	U F
2-Methylphenol	7300	U	8590	8580	7300	U F	7300	U F
4-Methylphenol	8400	U	8590	8580	8400	U F	8400	U F
Benzaldehyde	5000	U	4300	4290	5000	U	5000	U
Acetophenone	6600	U	4300	4290	6500	U	6500	U
Bis(2-chloroethyl)ether	580	U	4300	4290	580	U F	580	U F
2,2'-oxybis[1-chloropropane]	4700	U	4300	4290	4700	U	4700	U
N-Nitrosodi-n-propylamine	710	U	4300	4290	710	U F	710	U F
Nitrobenzene	610	U	4300	4290	610	U F	600	U F
Hexachloroethane	470	U	4300	4290	470	U F	470	U F
Isophorone	5200	U	4300	4290	5200	U	5200	U
2-Nitrophenol	4800	U	8590	8580	4800	U F	4700	U F
2,4-Dimethylphenol	11000	U	8590	8580	11000	U	11000	U
2,4-Dichlorophenol	6200	U	8590	8580	6200	U F	6200	U F
Bis(2-chloroethoxy)methane	5500	U	4300	4290	5500	U	5500	U
Naphthalene	4900	U	4300	4290	4900	U	4900	U
4-Chloroaniline	11000	U	4300	4290	11000	U	11000	U
Hexachlorobutadiene	1000	U	4300	4290	1000	U F	1000	U F
Caprolactam	9800	U	4300	4290	9800	U	9800	U
4-Chloro-3-methylphenol	6400	U	8590	8580	6400	U F	6400	U F
2-Methylnaphthalene	5500	U	4300	4290	5500	U	5500	U
Hexachlorobenzene	580	U	4300	4290	580	U F	580	U F
Hexachlorocyclopentadiene	5000	U	4300	4290	5000	U	5000	U
2,4,6-Trichlorophenol	5000	U	8590	8580	5000	U F	5000	U F
2,4,5-Trichlorophenol	5500	U	8590	8580	5500	U F	5500	U F
Diphenyl	5700	U	4300	4290	5700	U	5700	U
2-Chloronaphthalene	4800	U	4300	4290	4800	U	4700	U
2-Nitroaniline	18000	U	4300	4290	18000	U	18000	U
2,6-Dinitrotoluene	1300	U	4300	4290	1300	U F	1300	U F
Dimethyl phthalate	5100	U	4300	4290	5100	U	5000	U
Acenaphthylene	5000	U	4300	4290	5000	U	5000	U
3-Nitroaniline	15000	U	4300	4290	15000	U	15000	U
Acenaphthene	6200	U	4300	4290	6200	U	6200	U
4-Nitrophenol	27000	U	8590	8580	27000	U	27000	U
2,4-Dinitrophenol	24000	U	8590	8580	24000	U	24000	U
Dibenzofuran	5000	U	4300	4290	5000	U	5000	U
Diethyl phthalate	5100	U	4300	4290	5100	U	5100	U
Fluorene	5500	U	4300	4290	5500	U	5400	U
Fluoranthene	5700	U	4300	4290	5700	U	5700	U
Di-n-butyl phthalate	5300	U	4300	4290	5300	U	5300	U
2,4-Dinitrotoluene	1400	U	4300	4290	1400	U F	1400	U F
4-Chlorophenyl phenyl ether	5000	U	4300	4290	5000	U	5000	U

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 460-117111

Method: 8270C

Preparation: 3541

MS Lab Sample ID: 460-41556-A-10-A MSDL Units: ug/Kg
 Client Matrix: Solid
 Dilution: 100
 Analysis Date: 06/26/2012 1051
 Prep Date: 06/22/2012 0858
 Leach Date: N/A
 Run Type: DL

MSD Lab Sample ID: 460-41556-A-10-B
 Client Matrix: Solid
 Dilution: 100
 Analysis Date: 06/26/2012 1111
 Prep Date: 06/22/2012 0858
 Leach Date: N/A
 Run Type: DL

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
4-Nitroaniline	13000	U	4300	4290	13000	U	13000	U
4,6-Dinitro-2-methylphenol	12000	U	8590	8580	12000	U	12000	U
4-Bromophenyl phenyl ether	4200	U	4300	4290	4200	U F	4200	U F
Atrazine	6600	U	4300	4290	6600	U	6600	U
Anthracene	5200	U	4300	4290	5200	U	5200	U
Carbazole	5000	U	4300	4290	5000	U	5000	U
Phenanthrene	5400	U	4300	4290	5400	U	5400	U
Pentachlorophenol	13000	U	8590	8580	13000	U	13000	U
Pyrene	3600	U	4300	4290	3600	U F	3600	U F
Chrysene	5000	U	4300	4290	5000	U	5000	U
Benzo[k]fluoranthene	320	U	4300	4290	320	U F	320	U F
Benzo[g,h,i]perylene	3200	U	4300	4290	3200	U F	3200	U F
Benzo[b]fluoranthene	270	U	4300	4290	270	U F	270	U F
Benzo[a]pyrene	300	U	4300	4290	300	U F	300	U F
Benzo[a]anthracene	300	U	4300	4290	300	U F	300	U F
N-Nitrosodiphenylamine	4200	U	4300	4290	4200	U F	4200	U F
Butyl benzyl phthalate	3900	U	4300	4290	3900	U F	3900	U F
Bis(2-ethylhexyl) phthalate	530000		4300	4290	555000	4	555000	4
Di-n-octyl phthalate	20000	J	4300	4290	23800	J 4	18300	J 4
Indeno[1,2,3-cd]pyrene	790	U	4300	4290	790	U F	790	U F
Dibenz(a,h)anthracene	540	U	4300	4290	540	U F	540	U F
3,3'-Dichlorobenzidine	15000	U	4300	4290	15000	U	15000	U
1,2,4,5-Tetrachlorobenzene	5700	U	4300	4290	5700	U	5700	U
2,3,4,6-Tetrachlorophenol	5500	U	4300	4290	5500	U	5500	U

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-117130

Method: 8081A Preparation: 3541

Lab Sample ID: MB 460-117130/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/25/2012 1206
Prep Date: 06/22/2012 0949
Leach Date: N/A

Analysis Batch: 460-117505
Prep Batch: 460-117130
Leach Batch: N/A
Units: ug/Kg

Instrument ID: PESTGC4
Lab File ID: WR703340.D
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	1.5	U	1.5	6.7
alpha-BHC	1.2	U	1.2	6.7
beta-BHC	0.91	U	0.91	6.7
delta-BHC	1.0	U	1.0	6.7
gamma-BHC (Lindane)	0.78	U	0.78	6.7
Chlordane	15	U	15	67
4,4'-DDD	0.80	U	0.80	6.7
4,4'-DDE	1.3	U	1.3	6.7
4,4'-DDT	0.84	U	0.84	6.7
Dieldrin	1.3	U	1.3	6.7
Endosulfan I	1.4	U	1.4	6.7
Endosulfan II	1.0	U	1.0	6.7
Endosulfan sulfate	0.86	U	0.86	6.7
Endrin	0.94	U	0.94	6.7
Endrin aldehyde	1.7	U	1.7	6.7
Endrin ketone	0.99	U	0.99	6.7
Heptachlor	0.96	U	0.96	6.7
Heptachlor epoxide	1.4	U	1.4	6.7
Methoxychlor	0.75	U	0.75	6.7
Toxaphene	14	U	14	67

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	128	40 - 150
DCB Decachlorobiphenyl	138	53 - 150

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	121	40 - 150
DCB Decachlorobiphenyl	126	53 - 150

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Control Sample - Batch: 460-117130

Method: 8081A
Preparation: 3541

Lab Sample ID:	LCS 460-117130/2-A	Analysis Batch:	460-117505	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-117130	Lab File ID:	WR703324.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	06/25/2012 0748	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	06/22/2012 0949			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	143	107	58 - 143	
alpha-BHC	133	148	111	58 - 138	
beta-BHC	133	147	110	60 - 139	
delta-BHC	133	147	110	60 - 141	
gamma-BHC (Lindane)	133	145	108	58 - 136	
4,4'-DDD	133	153	114	63 - 150	
4,4'-DDE	133	150	112	58 - 150	
4,4'-DDT	133	151	113	57 - 150	
Dieldrin	133	129	97	55 - 128	
Endosulfan I	133	139	104	60 - 138	
Endosulfan II	133	138	103	59 - 133	
Endosulfan sulfate	133	146	110	56 - 133	
Endrin	133	150	112	61 - 150	
Endrin aldehyde	133	129	97	55 - 122	
Endrin ketone	133	152	114	62 - 139	
Heptachlor	133	142	106	58 - 137	
Heptachlor epoxide	133	137	103	59 - 136	
Methoxychlor	133	154	116	42 - 150	
Surrogate	% Rec		Acceptance Limits		
Tetrachloro-m-xylene	136		40 - 150		
DCB Decachlorobiphenyl	132		53 - 150		

Lab Control Sample - Batch: 460-117130

Method: 8081A
Preparation: 3541

Lab Sample ID:	LCS 460-117130/2-A	Analysis Batch:	460-117505	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-117130	Lab File ID:	WF703324.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	06/25/2012 0748	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	06/22/2012 0949			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	140	105	58 - 143	
alpha-BHC	133	144	108	58 - 138	
beta-BHC	133	146	110	60 - 139	
delta-BHC	133	147	110	60 - 141	
gamma-BHC (Lindane)	133	144	108	58 - 136	
4,4'-DDD	133	143	107	63 - 150	
4,4'-DDE	133	144	108	58 - 150	
4,4'-DDT	133	136	102	57 - 150	
Dieldrin	133	124	93	55 - 128	
Endosulfan I	133	134	101	60 - 138	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Control Sample - Batch: 460-117130

Method: 8081A
Preparation: 3541

Lab Sample ID:	LCS 460-117130/2-A	Analysis Batch:	460-117505	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-117130	Lab File ID:	WR703324.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	06/25/2012 0748	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	06/22/2012 0949			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endosulfan II	133	133	100	59 - 133	
Endosulfan sulfate	133	139	104	56 - 133	
Endrin	133	139	104	61 - 150	
Endrin aldehyde	133	124	93	55 - 122	
Endrin ketone	133	143	107	62 - 139	
Heptachlor	133	141	106	58 - 137	
Heptachlor epoxide	133	134	100	59 - 136	
Methoxychlor	133	133	100	42 - 150	
Surrogate	% Rec		Acceptance Limits		
Tetrachloro-m-xylene	132		40 - 150		
DCB Decachlorobiphenyl	125		53 - 150		

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-117130**

**Method: 8081A
Preparation: 3541**

MS Lab Sample ID:	460-41546-21	Analysis Batch:	460-117505	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-117130	Lab File ID:	WF703325.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	06/25/2012 0803			Final Weight/Volume:	10 mL
Prep Date:	06/22/2012 0949			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-41546-21	Analysis Batch:	460-117505	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-117130	Lab File ID:	WF703326.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	06/25/2012 0817			Final Weight/Volume:	10 mL
Prep Date:	06/22/2012 0949			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aldrin	108	109	58 - 143	1	30		
alpha-BHC	109	110	58 - 138	1	30		
beta-BHC	108	109	60 - 139	1	30		
delta-BHC	105	106	60 - 141	1	30		
gamma-BHC (Lindane)	107	107	58 - 136	0	30		
4,4'-DDD	113	113	63 - 150	0	30		
4,4'-DDE	112	114	58 - 150	1	30		
4,4'-DDT	110	111	57 - 150	0	30		
Dieldrin	97	99	55 - 128	1	30		
Endosulfan I	106	107	60 - 138	1	30		
Endosulfan II	103	103	59 - 133	0	30		
Endosulfan sulfate	104	103	56 - 133	1	30		
Endrin	109	111	61 - 150	1	30		
Endrin aldehyde	95	93	55 - 122	2	30		
Endrin ketone	107	107	62 - 139	0	30		
Heptachlor	107	109	58 - 137	1	30		
Heptachlor epoxide	105	107	59 - 136	1	30		
Methoxychlor	106	106	42 - 150	0	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
Tetrachloro-m-xylene	131		129	40 - 150			
DCB Decachlorobiphenyl	134		130	53 - 150			

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-117130**

**Method: 8081A
Preparation: 3541**

MS Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/25/2012 0803
Prep Date: 06/22/2012 0949
Leach Date: N/A

Analysis Batch: 460-117505
Prep Batch: 460-117130
Leach Batch: N/A

Instrument ID: PESTGC4
Lab File ID: WR703325.D
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

MSD Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/25/2012 0817
Prep Date: 06/22/2012 0949
Leach Date: N/A

Analysis Batch: 460-117505
Prep Batch: 460-117130
Leach Batch: N/A

Instrument ID: PESTGC4
Lab File ID: WR703326.D
Initial Weight/Volume: 15.03 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aldrin	106	106	58 - 143	0	30		
alpha-BHC	104	105	58 - 138	0	30		
beta-BHC	106	108	60 - 139	2	30		
delta-BHC	104	105	60 - 141	1	30		
gamma-BHC (Lindane)	105	107	58 - 136	1	30		
4,4'-DDD	111	111	63 - 150	1	30		
4,4'-DDE	111	112	58 - 150	1	30		
4,4'-DDT	106	105	57 - 150	1	30		
Dieldrin	96	97	55 - 128	1	30		
Endosulfan I	105	106	60 - 138	1	30		
Endosulfan II	102	102	59 - 133	0	30		
Endosulfan sulfate	103	101	56 - 133	2	30		
Endrin	104	105	61 - 150	1	30		
Endrin aldehyde	93	93	55 - 122	0	30		
Endrin ketone	104	104	62 - 139	0	30		
Heptachlor	102	104	58 - 137	2	30		
Heptachlor epoxide	103	105	59 - 136	1	30		
Methoxychlor	104	99	42 - 150	5	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
Tetrachloro-m-xylene	128		125	40 - 150			
DCB Decachlorobiphenyl	121		119	53 - 150			

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 460-117130

Method: 8081A

Preparation: 3541

MS Lab Sample ID: 460-41546-21 Units: ug/Kg
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/25/2012 0803
 Prep Date: 06/22/2012 0949
 Leach Date: N/A

MSD Lab Sample ID: 460-41546-21
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/25/2012 0817
 Prep Date: 06/22/2012 0949
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aldrin	1.6	U	144	143	155	156
alpha-BHC	1.3	U	144	143	156	158
beta-BHC	0.98	U	144	143	155	156
delta-BHC	1.1	U	144	143	151	152
gamma-BHC (Lindane)	0.84	U	144	143	153	154
4,4'-DDD	0.86	U	144	143	162	163
4,4'-DDE	1.4	U	144	143	162	164
4,4'-DDT	0.90	U	144	143	158	159
Dieldrin	1.4	U	144	143	140	141
Endosulfan I	1.5	U	144	143	152	154
Endosulfan II	1.1	U	144	143	148	148
Endosulfan sulfate	0.93	U	144	143	149	148
Endrin	1.0	U	144	143	157	159
Endrin aldehyde	1.8	U	144	143	136	134
Endrin ketone	1.1	U	144	143	153	153
Heptachlor	1.0	U	144	143	154	156
Heptachlor epoxide	1.5	U	144	143	152	153
Methoxychlor	0.81	U	144	143	153	152

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-117130**

**Method: 8081A
Preparation: 3541**

MS Lab Sample ID: 460-41546-21 Units: ug/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/25/2012 0803
Prep Date: 06/22/2012 0949
Leach Date: N/A

MSD Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/25/2012 0817
Prep Date: 06/22/2012 0949
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aldrin	1.6	U	144	143	152	152
alpha-BHC	1.3	U	144	143	150	150
beta-BHC	0.98	U	144	143	152	155
delta-BHC	1.1	U	144	143	150	151
gamma-BHC (Lindane)	0.84	U	144	143	151	153
4,4'-DDD	0.86	U	144	143	160	159
4,4'-DDE	1.4	U	144	143	159	161
4,4'-DDT	0.90	U	144	143	152	150
Dieldrin	1.4	U	144	143	138	139
Endosulfan I	1.5	U	144	143	151	152
Endosulfan II	1.1	U	144	143	146	146
Endosulfan sulfate	0.93	U	144	143	147	145
Endrin	1.0	U	144	143	149	151
Endrin aldehyde	1.8	U	144	143	134	133
Endrin ketone	1.1	U	144	143	149	149
Heptachlor	1.0	U	144	143	147	149
Heptachlor epoxide	1.5	U	144	143	148	150
Methoxychlor	0.81	U	144	143	149	142

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-117107

Method: 8082

Preparation: 3541

Lab Sample ID: MB 460-117107/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/24/2012 1731
Prep Date: 06/22/2012 0850
Leach Date: N/A

Analysis Batch: 460-117335
Prep Batch: 460-117107
Leach Batch: N/A
Units: ug/Kg

Instrument ID: PESTGC9
Lab File ID: vr475493.d
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	13	U	13	67
Aroclor 1221	20	U	20	67
Aroclor 1232	38	U	38	67
Aroclor 1242	13	U	13	67
Aroclor 1248	18	U	18	67
Aroclor 1254	23	U	23	67
Aroclor 1260	7.5	U	7.5	67
Aroclor 1262	12	U	12	67
Aroclor 1268	12	U	12	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	135	30 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	127	30 - 150

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Control Sample - Batch: 460-117107

Method: 8082
Preparation: 3541

Lab Sample ID:	LCS 460-117107/2-A	Analysis Batch:	460-117335	Instrument ID:	PESTGC9
Client Matrix:	Solid	Prep Batch:	460-117107	Lab File ID:	vr475494.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	06/24/2012 1747	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	06/22/2012 0850			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	380	114	60 - 144	
Aroclor 1260	333	378	113	63 - 143	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl		127		30 - 150	

Lab Control Sample - Batch: 460-117107

Method: 8082
Preparation: 3541

Lab Sample ID:	LCS 460-117107/2-A	Analysis Batch:	460-117335	Instrument ID:	PESTGC9
Client Matrix:	Solid	Prep Batch:	460-117107	Lab File ID:	vf475494.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	06/24/2012 1747	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	06/22/2012 0850			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	348	104	60 - 144	
Aroclor 1260	333	355	107	63 - 143	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl		112		30 - 150	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-117107**

**Method: 8082
Preparation: 3541**

MS Lab Sample ID:	460-41546-21	Analysis Batch:	460-117335	Instrument ID:	PESTGC9
Client Matrix:	Solid	Prep Batch:	460-117107	Lab File ID:	vr475495.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.05 g
Analysis Date:	06/24/2012 1803			Final Weight/Volume:	10 mL
Prep Date:	06/22/2012 0850			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-41546-21	Analysis Batch:	460-117335	Instrument ID:	PESTGC9
Client Matrix:	Solid	Prep Batch:	460-117107	Lab File ID:	vr475496.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	06/24/2012 1819			Final Weight/Volume:	10 mL
Prep Date:	06/22/2012 0850			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	108	99	60 - 144	9	30		
Aroclor 1260	121	123	63 - 143	2	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	133		145	30 - 150			

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-117107**

**Method: 8082
Preparation: 3541**

MS Lab Sample ID:	460-41546-21	Analysis Batch:	460-117335	Instrument ID:	PESTGC9
Client Matrix:	Solid	Prep Batch:	460-117107	Lab File ID:	vf475495.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.05 g
Analysis Date:	06/24/2012 1803			Final Weight/Volume:	10 mL
Prep Date:	06/22/2012 0850			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-41546-21	Analysis Batch:	460-117335	Instrument ID:	PESTGC9
Client Matrix:	Solid	Prep Batch:	460-117107	Lab File ID:	vf475496.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	06/24/2012 1819			Final Weight/Volume:	10 mL
Prep Date:	06/22/2012 0850			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	105	97	60 - 144	7	30		
Aroclor 1260	112	115	63 - 143	3	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	124		132	30 - 150			

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 460-117107

Method: 8082

Preparation: 3541

MS Lab Sample ID: 460-41546-21 Units: ug/Kg
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/24/2012 1803
 Prep Date: 06/22/2012 0850
 Leach Date: N/A

MSD Lab Sample ID: 460-41546-21
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/24/2012 1819
 Prep Date: 06/22/2012 0850
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	14	U	358	359	387	354
Aroclor 1260	8.1	U	358	359	434	443

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 460-117107

Method: 8082

Preparation: 3541

MS Lab Sample ID: 460-41546-21 Units: ug/Kg
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/24/2012 1803
 Prep Date: 06/22/2012 0850
 Leach Date: N/A

MSD Lab Sample ID: 460-41546-21
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/24/2012 1819
 Prep Date: 06/22/2012 0850
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	14	U	358	359	375	350
Aroclor 1260	8.1	U	358	359	403	415

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-117772

Method: 6010B

Preparation: 3050B

Lab Sample ID: MB 460-117772/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 06/28/2012 2045
Prep Date: 06/28/2012 0717
Leach Date: N/A

Analysis Batch: 460-117953
Prep Batch: 460-117772
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 06282012A.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	9.1	U	9.1	20.0
Antimony	0.62	U	0.62	1.0
Arsenic	0.47	U	0.47	0.50
Barium	0.57	U	0.57	20.0
Beryllium	0.072	U	0.072	0.20
Cadmium	0.074	U	0.074	0.50
Calcium	35.4	U	35.4	500
Chromium	0.43	U	0.43	1.0
Cobalt	0.43	U	0.43	5.0
Copper	0.97	U	0.97	2.5
Iron	6.1	U	6.1	15.0
Lead	0.43	U	0.43	0.50
Magnesium	36.0	U	36.0	500
Manganese	0.44	U	0.44	1.5
Nickel	0.44	U	0.44	4.0
Potassium	53.5	U	53.5	500
Selenium	0.66	U	0.66	1.0
Silver	0.10	U	0.10	1.0
Sodium	79.0	U	79.0	500
Thallium	0.57	U	0.57	1.0
Vanadium	0.38	U	0.38	5.0
Zinc	0.54	U	0.54	3.0

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

LCS-Certified Reference Material - Batch: 460-117772

Method: 6010B

Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	460-117953	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-117772	Lab File ID:	06282012A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	06/28/2012 2035	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0717				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10000	6050	60	45 - 154	
Antimony	112	180.8	162	20 - 253	
Arsenic	235	230.5	98	71 - 129	
Barium	250	249.3	100	74 - 126	
Beryllium	92.4	90.83	98	74 - 125	
Cadmium	189	194.1	103	73 - 126	
Calcium	6770	6570	97	74 - 125	
Chromium	127	128.0	101	70 - 129	
Cobalt	176	186.4	106	74 - 125	
Copper	122	119.8	98	75 - 125	
Iron	13000	11470	88	33 - 167	
Lead	102	106.7	105	71 - 128	
Magnesium	2960	2517	85	66 - 134	
Manganese	330	334.3	101	75 - 124	
Nickel	117	123.6	106	73 - 127	
Potassium	2840	2200	77	62 - 137	
Selenium	109	106.9	98	66 - 134	
Silver	46.8	46.06	98	66 - 133	
Sodium	545	505.1	93	52 - 147	J
Thallium	156	171.5	110	68 - 131	
Vanadium	118	115.5	98	68 - 131	
Zinc	181	177.7	98	69 - 130	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Matrix Spike - Batch: 460-117772

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-41778-B-1-D MS ^4
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 06/28/2012 2052
Prep Date: 06/28/2012 0717
Leach Date: N/A

Analysis Batch: 460-117953
Prep Batch: 460-117772
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 06282012A.asc
Initial Weight/Volume: 1.10 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	9690	188	14170	2378	75 - 125	4
Antimony	1.2 U	47.0	27.06	58	75 - 125	F
Arsenic	2.6	188	175.1	92	75 - 125	
Barium	36.1 J	188	227.3	102	75 - 125	
Beryllium	0.37 J	4.70	4.95	97	75 - 125	
Cadmium	0.15 U	4.70	4.69	100	75 - 125	
Calcium	667 J	1880	2842	116	75 - 125	
Chromium	22.3	18.8	35.77	72	75 - 125	F
Cobalt	4.9 J	47.0	52.43	101	75 - 125	
Copper	8.6	23.5	30.65	94	75 - 125	
Iron	19100	94.1	19870	872	75 - 125	4
Lead	9.9	47.0	57.98	102	75 - 125	
Magnesium	990	1880	2911	102	75 - 125	
Manganese	145	47.0	226.8	173	75 - 125	F
Nickel	7.4 J	47.0	55.76	103	75 - 125	
Potassium	438 J	1880	2264	97	75 - 125	
Selenium	1.3 U	188	170.8	91	75 - 125	
Silver	0.20 U	4.70	4.24	90	75 - 125	
Sodium	156 U	1880	1777	94	75 - 125	
Thallium	1.1 U	188	193.3	103	75 - 125	
Vanadium	26.0	47.0	73.28	101	75 - 125	
Zinc	18.1	47.0	66.33	102	75 - 125	

Post Digestion Spike - Batch: 460-117772

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-41778-B-1-B PDS
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 06/28/2012 2056
Prep Date: 06/28/2012 0717
Leach Date: N/A

Analysis Batch: 460-117953
Prep Batch: 460-117772
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 06282012A.asc
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	9690	394	10120	NC	75 - 125	
Antimony	1.2 U	98.6	88.16	89	75 - 125	
Arsenic	2.6	394	364.1	92	75 - 125	
Barium	36.1 J	394	420.9	98	75 - 125	
Beryllium	0.37 J	9.86	9.67	94	75 - 125	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Post Digestion Spike - Batch: 460-117772

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-41778-B-1-B PDS
 Client Matrix: Solid
 Dilution: 4.0
 Analysis Date: 06/28/2012 2056
 Prep Date: 06/28/2012 0717
 Leach Date: N/A

Analysis Batch: 460-117953
 Prep Batch: 460-117772
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: ICP4
 Lab File ID: 06282012A.asc
 Initial Weight/Volume: 1.05 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.15	U	9.86	9.64	98	75 - 125	
Calcium	667	J	3940	4448	96	75 - 125	
Chromium	22.3		39.4	60.76	98	75 - 125	
Cobalt	4.9	J	98.6	101.3	98	75 - 125	
Copper	8.6		49.3	54.75	94	75 - 125	
Iron	19100		197	19280	NC	75 - 125	
Lead	9.9		98.6	107.6	99	75 - 125	
Magnesium	990		3940	4593	91	75 - 125	
Manganese	145		98.6	244.1	100	75 - 125	
Nickel	7.4	J	98.6	105.0	99	75 - 125	
Potassium	438	J	3940	3957	89	75 - 125	
Selenium	1.3	U	394	359.6	91	75 - 125	
Silver	0.20	U	9.86	8.97	91	75 - 125	
Sodium	156	U	3940	3635	92	75 - 125	
Thallium	1.1	U	394	399.0	101	75 - 125	
Vanadium	26.0		98.6	119.7	95	75 - 125	
Zinc	18.1		98.6	111.8	95	75 - 125	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Duplicate - Batch: 460-117772

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-41778-B-1-C DU ^4	Analysis Batch:	460-117953	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-117772	Lab File ID:	06282012A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	06/28/2012 2027	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0717				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	9690		10090	4	20	
Antimony	1.2	U	1.2	NC	20	U
Arsenic	2.6		2.78	7	20	
Barium	36.1	J	35.59	1	20	J
Beryllium	0.37	J	0.344	7	20	J
Cadmium	0.15	U	0.14	NC	20	U
Calcium	667	J	1419	72	20	
Chromium	22.3		17.00	27	20	F
Cobalt	4.9	J	5.20	5	20	J
Copper	8.6		6.28	31	20	
Iron	19100		18380	4	20	
Lead	9.9		10.98	10	20	
Magnesium	990		1137	14	20	
Manganese	145		154.1	6	20	
Nickel	7.4	J	10.73	36	20	
Potassium	438	J	436.8	0.2	20	J
Selenium	1.3	U	1.3	NC	20	U
Silver	0.20	U	0.19	NC	20	U
Sodium	156	U	151	NC	20	U
Thallium	1.1	U	1.1	NC	20	U
Vanadium	26.0		24.63	5	20	
Zinc	18.1		18.37	1	20	

Serial Dilution - Batch: 460-117772

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-41778-B-1-B SD ^20	Analysis Batch:	460-117953	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-117772	Lab File ID:	06282012A.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	06/28/2012 2049	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0717				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	9690		9946	2.6	10	
Antimony	1.2	U	6.1	NC	10	U
Arsenic	2.6		5.46	NC	10	
Barium	36.1	J	36.18	NC	10	J
Beryllium	0.37	J	0.71	NC	10	U
Cadmium	0.15	U	0.73	NC	10	U
Calcium	667	J	713.0	NC	10	J

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Serial Dilution - Batch: 460-117772

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-41778-B-1-B SD ^20
 Client Matrix: Solid
 Dilution: 20
 Analysis Date: 06/28/2012 2049
 Prep Date: 06/28/2012 0717
 Leach Date: N/A

Analysis Batch: 460-117953
 Prep Batch: 460-117772
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: ICP4
 Lab File ID: 06282012A.asc
 Initial Weight/Volume: 1.05 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Chromium	22.3		22.19	NC	10	
Cobalt	4.9	J	5.05	NC	10	J
Copper	8.6		10.61	NC	10	J
Iron	19100		19450	2.1	10	
Lead	9.9		12.20	NC	10	
Magnesium	990		1014	NC	10	J
Manganese	145		149.7	3.1	10	
Nickel	7.4	J	7.40	NC	10	J
Potassium	438	J	533.0	NC	10	J
Selenium	1.3	U	6.5	NC	10	U
Silver	0.20	U	0.99	NC	10	U
Sodium	156	U	779	NC	10	U
Thallium	1.1	U	5.6	NC	10	U
Vanadium	26.0		26.03	NC	10	J
Zinc	18.1		18.79	NC	10	J

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-117773

Method: 6010B

Preparation: 3050B

Lab Sample ID: MB 460-117773/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 06/28/2012 2254
Prep Date: 06/28/2012 0732
Leach Date: N/A

Analysis Batch: 460-117953
Prep Batch: 460-117773
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 06282012A.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	9.1	U	9.1	20.0
Antimony	0.62	U	0.62	1.0
Arsenic	0.47	U	0.47	0.50
Barium	0.57	U	0.57	20.0
Beryllium	0.072	U	0.072	0.20
Cadmium	0.074	U	0.074	0.50
Calcium	35.4	U	35.4	500
Chromium	0.43	U	0.43	1.0
Cobalt	0.43	U	0.43	5.0
Copper	0.97	U	0.97	2.5
Iron	6.1	U	6.1	15.0
Lead	0.43	U	0.43	0.50
Magnesium	36.0	U	36.0	500
Manganese	0.44	U	0.44	1.5
Nickel	0.44	U	0.44	4.0
Potassium	53.5	U	53.5	500
Selenium	0.66	U	0.66	1.0
Silver	0.10	U	0.10	1.0
Sodium	79.0	U	79.0	500
Thallium	0.57	U	0.57	1.0
Vanadium	0.38	U	0.38	5.0
Zinc	0.54	U	0.54	3.0

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

LCS-Certified Reference Material - Batch: 460-117773

Method: 6010B

Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	460-117953	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	06/28/2012 2243	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	9900	6198	63	45 - 154	
Antimony	111	178.4	161	20 - 253	
Arsenic	232	226.1	97	71 - 129	
Barium	247	246.1	100	74 - 126	
Beryllium	91.5	89.61	98	74 - 125	
Cadmium	187	187.3	100	73 - 126	
Calcium	6710	6510	97	74 - 125	
Chromium	125	125.3	100	70 - 129	
Cobalt	175	181.7	104	74 - 125	
Copper	121	116.1	96	75 - 125	
Iron	12800	11690	91	33 - 167	
Lead	101	104.9	104	71 - 128	
Magnesium	2930	2522	86	66 - 134	
Manganese	326	334.3	102	75 - 124	
Nickel	116	119.7	103	73 - 127	
Potassium	2810	2225	79	62 - 137	
Selenium	108	104.0	96	66 - 134	
Silver	46.4	45.20	97	66 - 133	
Sodium	539	491.2	91	52 - 147	J
Thallium	155	171.7	111	68 - 131	
Vanadium	117	114.5	98	68 - 131	
Zinc	179	173.9	97	69 - 130	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Matrix Spike - Batch: 460-117773

Method: 6010B

Preparation: 3050B

Lab Sample ID:	460-41546-21	Analysis Batch:	460-117953	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	06/28/2012 2233	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	5910	209	7052	547	75 - 125	4
Antimony	1.2 U	52.3	35.60	68	75 - 125	F
Arsenic	1.6	209	198.0	94	75 - 125	
Barium	43.8	209	264.7	105	75 - 125	
Beryllium	0.15 U	5.23	5.25	100	75 - 125	
Cadmium	0.15 U	5.23	5.33	102	75 - 125	
Calcium	1520	2090	3951	116	75 - 125	
Chromium	12.2	20.9	34.82	108	75 - 125	
Cobalt	4.9 J	52.3	57.83	101	75 - 125	
Copper	12.2	26.2	38.69	101	75 - 125	
Iron	11700	105	10990	-658	75 - 125	4
Lead	4.2	52.3	57.69	102	75 - 125	
Magnesium	2560	2090	4906	112	75 - 125	
Manganese	187	52.3	243.3	107	75 - 125	
Nickel	11.1	52.3	65.06	103	75 - 125	
Potassium	1230	2090	3350	101	75 - 125	
Selenium	1.3 U	209	195.1	93	75 - 125	
Silver	0.20 U	5.23	4.91	94	75 - 125	
Sodium	159 U	2090	2069	99	75 - 125	
Thallium	1.1 U	209	221.3	106	75 - 125	
Vanadium	15.0	52.3	67.42	100	75 - 125	
Zinc	22.9	52.3	74.71	99	75 - 125	

Post Digestion Spike - Batch: 460-117773

Method: 6010B

Preparation: 3050B

Lab Sample ID:	460-41546-21	Analysis Batch:	460-117953	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	06/28/2012 2236	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	5910	403	6215	NC	75 - 125	
Antimony	1.2 U	101	86.91	86	75 - 125	
Arsenic	1.6	403	378.4	93	75 - 125	
Barium	43.8	403	444.7	99	75 - 125	
Beryllium	0.15 U	10.1	9.81	97	75 - 125	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Post Digestion Spike - Batch: 460-117773

Method: 6010B

Preparation: 3050B

Lab Sample ID:	460-41546-21	Analysis Batch:	460-117953	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-117773	Lab File ID:	06282012A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	06/28/2012 2236	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	06/28/2012 0732				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.15	U	10.1	10.06	100	75 - 125	
Calcium	1520		4030	5415	97	75 - 125	
Chromium	12.2		40.3	52.35	100	75 - 125	
Cobalt	4.9	J	101	105.2	100	75 - 125	
Copper	12.2		50.4	60.64	96	75 - 125	
Iron	11700		202	11770	NC	75 - 125	
Lead	4.2		101	105.9	101	75 - 125	
Magnesium	2560		4030	6330	93	75 - 125	
Manganese	187		101	285.7	98	75 - 125	
Nickel	11.1		101	112.7	101	75 - 125	
Potassium	1230		4030	4876	90	75 - 125	
Selenium	1.3	U	403	373.7	93	75 - 125	
Silver	0.20	U	10.1	9.41	93	75 - 125	
Sodium	159	U	4030	3838	95	75 - 125	
Thallium	1.1	U	403	418.9	104	75 - 125	
Vanadium	15.0		101	112.4	97	75 - 125	
Zinc	22.9		101	120.7	97	75 - 125	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Duplicate - Batch: 460-117773

Method: 6010B
Preparation: 3050B

Lab Sample ID: 460-41546-21	Analysis Batch: 460-117953	Instrument ID: ICP4
Client Matrix: Solid	Prep Batch: 460-117773	Lab File ID: 06282012A.asc
Dilution: 4.0	Leach Batch: N/A	Initial Weight/Volume: 1.02 g
Analysis Date: 06/28/2012 2222	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 06/28/2012 0732		
Leach Date: N/A		

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	5910		6014	2	20	
Antimony	1.2	U	1.3	NC	20	U
Arsenic	1.6		1.44	12	20	
Barium	43.8		47.07	7	20	
Beryllium	0.15	U	0.15	NC	20	U
Cadmium	0.15	U	0.16	NC	20	U
Calcium	1520		1675	10	20	
Chromium	12.2		12.49	3	20	
Cobalt	4.9	J	4.73	4	20	J
Copper	12.2		12.16	0.09	20	
Iron	11700		10240	13	20	
Lead	4.2		4.00	5	20	
Magnesium	2560		2784	8	20	
Manganese	187		180.3	4	20	
Nickel	11.1		10.78	3	20	
Potassium	1230		1244	1	20	
Selenium	1.3	U	1.4	NC	20	U
Silver	0.20	U	0.21	NC	20	U
Sodium	159	U	167	NC	20	U
Thallium	1.1	U	1.2	NC	20	U
Vanadium	15.0		14.66	2	20	
Zinc	22.9		22.11	3	20	

Serial Dilution - Batch: 460-117773

Method: 6010B
Preparation: 3050B

Lab Sample ID: 460-41546-21	Analysis Batch: 460-117953	Instrument ID: ICP4
Client Matrix: Solid	Prep Batch: 460-117773	Lab File ID: 06282012A.asc
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 1.07 g
Analysis Date: 06/28/2012 2229	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 06/28/2012 0732		
Leach Date: N/A		

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	5910		5863	0.73	10	
Antimony	1.2	U	6.2	NC	10	U
Arsenic	1.6		4.7	NC	10	U
Barium	43.8		43.30	NC	10	J
Beryllium	0.15	U	0.73	NC	10	U
Cadmium	0.15	U	0.75	NC	10	U
Calcium	1520		1527	NC	10	J

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Serial Dilution - Batch: 460-117773

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-41546-21

Analysis Batch: 460-117953

Instrument ID: ICP4

Client Matrix: Solid

Prep Batch: 460-117773

Lab File ID: 06282012A.asc

Dilution: 20

Leach Batch: N/A

Initial Weight/Volume: 1.07 g

Analysis Date: 06/28/2012 2229

Units: mg/Kg

Final Weight/Volume: 50 mL

Prep Date: 06/28/2012 0732

Leach Date: N/A

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Chromium	12.2	12.22	NC	10	
Cobalt	4.9 J	5.08	NC	10	J
Copper	12.2	15.30	NC	10	J
Iron	11700	11690	0.10	10	
Lead	4.2	4.3	NC	10	U
Magnesium	2560	2574	NC	10	J
Manganese	187	187.3	0.01	10	
Nickel	11.1	11.11	NC	10	J
Potassium	1230	1251	NC	10	J
Selenium	1.3 U	6.7	NC	10	U
Silver	0.20 U	1.0	NC	10	U
Sodium	159 U	796	NC	10	U
Thallium	1.1 U	5.7	NC	10	U
Vanadium	15.0	14.75	NC	10	J
Zinc	22.9	22.82	NC	10	J

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-117140

Method: 7471A Preparation: 7471A

Lab Sample ID: MB 460-117140/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/22/2012 1453
Prep Date: 06/22/2012 1041
Leach Date: N/A

Analysis Batch: 460-117198
Prep Batch: 460-117140
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 117140hg1.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.022	U	0.022	0.033

LCS-Certified Reference Material - Batch: 460-117140

Method: 7471A Preparation: 7471A

Lab Sample ID: LCSSRM
Client Matrix: Solid
Dilution: 20
Analysis Date: 06/22/2012 1455
Prep Date: 06/22/2012 1041
Leach Date: N/A

Analysis Batch: 460-117198
Prep Batch: 460-117140
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 117140hg1.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	12.4	12.23	99	51 - 148	

Matrix Spike - Batch: 460-117140

Method: 7471A Preparation: 7471A

Lab Sample ID: 460-41546-5
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/22/2012 1501
Prep Date: 06/22/2012 1041
Leach Date: N/A

Analysis Batch: 460-117198
Prep Batch: 460-117140
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 117140hg1.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.023 U	0.176	0.172	98	75 - 125	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Duplicate - Batch: 460-117140

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-41546-5	Analysis Batch:	460-117198	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	460-117140	Lab File ID:	117140hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	06/22/2012 1459	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1041				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.023	U	0.023	NC	20	U

Serial Dilution - Batch: 460-117140

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-41546-5	Analysis Batch:	460-117198	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	460-117140	Lab File ID:	117140hg1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	06/22/2012 1535	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1041				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	0.023	U	0.12	NC		U

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-117199

Method: 7471A Preparation: 7471A

Lab Sample ID: MB 460-117199/10-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/22/2012 2000
Prep Date: 06/22/2012 1600
Leach Date: N/A

Analysis Batch: 460-117216
Prep Batch: 460-117199
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN5
Lab File ID: 117199HG1.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.022	U	0.022	0.033

LCS-Certified Reference Material - Batch: 460-117199

Method: 7471A Preparation: 7471A

Lab Sample ID: LCSSRM
Client Matrix: Solid
Dilution: 10
Analysis Date: 06/22/2012 2004
Prep Date: 06/22/2012 1600
Leach Date: N/A

Analysis Batch: 460-117216
Prep Batch: 460-117199
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN5
Lab File ID: 117199HG1.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	12.4	11.65	94	51 - 148	

Matrix Spike - Batch: 460-117199

Method: 7471A Preparation: 7471A

Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/22/2012 2010
Prep Date: 06/22/2012 1600
Leach Date: N/A

Analysis Batch: 460-117216
Prep Batch: 460-117199
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN5
Lab File ID: 117199HG1.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.024 U	0.180	0.191	106	75 - 125	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Duplicate - Batch: 460-117199

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-41546-21	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	06/22/2012 2008	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.024	U	0.024	NC	20	U

Serial Dilution - Batch: 460-117199

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-41546-21	Analysis Batch:	460-117216	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-117199	Lab File ID:	117199HG1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	06/22/2012 2055	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	06/22/2012 1600				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	0.024	U	0.12	NC		U

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-118173

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 460-118173/1-A	Analysis Batch:	460-118178	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118173	Lab File ID:	C120701.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 g
Analysis Date:	07/01/2012 1406	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/01/2012 1130				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.054	U	0.054	0.50

Low Level Control Sample - Batch: 460-118173

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 460-118173/2-A	Analysis Batch:	460-118178	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118173	Lab File ID:	C120701.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 g
Analysis Date:	07/01/2012 1407	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/01/2012 1130				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	1.25	1.22	98	90 - 110	

High Level Control Sample - Batch: 460-118173

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 460-118173/3-A	Analysis Batch:	460-118178	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118173	Lab File ID:	C120701.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 g
Analysis Date:	07/01/2012 1408	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/01/2012 1130				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	10.0	9.29	93	90 - 110	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-118173**

**Method: 9012A
Preparation: 9012A**

MS Lab Sample ID:	460-41546-1	Analysis Batch:	460-118178	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118173	Lab File ID:	C120701.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 g
Analysis Date:	07/01/2012 1409			Final Weight/Volume:	50 mL
Prep Date:	07/01/2012 1130				
Leach Date:	N/A				

MSD Lab Sample ID:	460-41546-1	Analysis Batch:	460-118178	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118173	Lab File ID:	C120701.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 g
Analysis Date:	07/01/2012 1410			Final Weight/Volume:	50 mL
Prep Date:	07/01/2012 1130				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Cyanide, Total	97	104	85 - 115	7	10		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-118173**

**Method: 9012A
Preparation: 9012A**

MS Lab Sample ID:	460-41546-1	Units:	mg/Kg	MSD Lab Sample ID:	460-41546-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/01/2012 1409			Analysis Date:	07/01/2012 1410
Prep Date:	07/01/2012 1130			Prep Date:	07/01/2012 1130
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cyanide, Total	0.060	U	11.1	11.1	10.69	11.49

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-118174

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 460-118174/1-A	Analysis Batch:	460-118178	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118174	Lab File ID:	C120701.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 g
Analysis Date:	07/01/2012 1355	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/01/2012 1130				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.054	U	0.054	0.50

Low Level Control Sample - Batch: 460-118174

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 460-118174/2-A	Analysis Batch:	460-118178	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118174	Lab File ID:	C120701.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 g
Analysis Date:	07/01/2012 1356	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/01/2012 1130				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	1.25	1.20	96	90 - 110	

High Level Control Sample - Batch: 460-118174

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 460-118174/3-A	Analysis Batch:	460-118178	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118174	Lab File ID:	C120701.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 g
Analysis Date:	07/01/2012 1357	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/01/2012 1130				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	10.0	9.20	92	90 - 110	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-118174**

**Method: 9012A
Preparation: 9012A**

MS Lab Sample ID: 460-41547-E-1-G MS
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/01/2012 1358
Prep Date: 07/01/2012 1130
Leach Date: N/A

Analysis Batch: 460-118178
Prep Batch: 460-118174
Leach Batch: N/A

Instrument ID: Lachat2
Lab File ID: C120701.FDT
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 460-41547-E-1-H MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/01/2012 1359
Prep Date: 07/01/2012 1130
Leach Date: N/A

Analysis Batch: 460-118178
Prep Batch: 460-118174
Leach Batch: N/A

Instrument ID: Lachat2
Lab File ID: C120701.FDT
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Cyanide, Total	102	102	85 - 115	0	10		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-118174**

**Method: 9012A
Preparation: 9012A**

MS Lab Sample ID: 460-41547-E-1-G MS
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/01/2012 1358
Prep Date: 07/01/2012 1130
Leach Date: N/A

Units: mg/Kg

MSD Lab Sample ID: 460-41547-E-1-H MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/01/2012 1359
Prep Date: 07/01/2012 1130
Leach Date: N/A

Analyte	Sample		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
	Result/Qual					
Cyanide, Total	0.061	U	11.3	11.3	11.50	11.47

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-118311

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 460-118311/1-A	Analysis Batch:	460-118346	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118311	Lab File ID:	C120702A.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	07/02/2012 1444	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	07/02/2012 1030				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.054	U	0.054	0.50

Low Level Control Sample - Batch: 460-118311

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 460-118311/2-A	Analysis Batch:	460-118346	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118311	Lab File ID:	C120702A.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	07/02/2012 1445	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	07/02/2012 1030				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	1.25	1.32	106	90 - 110	

High Level Control Sample - Batch: 460-118311

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 460-118311/3-A	Analysis Batch:	460-118346	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118311	Lab File ID:	C120702A.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	07/02/2012 1446	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	07/02/2012 1030				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	10.0	9.78	98	90 - 110	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-118311**

**Method: 9012A
Preparation: 9012A**

MS Lab Sample ID: 460-41546-13
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/02/2012 1447
Prep Date: 07/02/2012 1030
Leach Date: N/A

Analysis Batch: 460-118346
Prep Batch: 460-118311
Leach Batch: N/A

Instrument ID: Lachat2
Lab File ID: C120702A.FDT
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50.0 mL

MSD Lab Sample ID: 460-41546-13
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/02/2012 1449
Prep Date: 07/02/2012 1030
Leach Date: N/A

Analysis Batch: 460-118346
Prep Batch: 460-118311
Leach Batch: N/A

Instrument ID: Lachat2
Lab File ID: C120702A.FDT
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Cyanide, Total	102	101	85 - 115	1	10		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-118311**

**Method: 9012A
Preparation: 9012A**

MS Lab Sample ID: 460-41546-13
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/02/2012 1447
Prep Date: 07/02/2012 1030
Leach Date: N/A

Units: mg/Kg

MSD Lab Sample ID: 460-41546-13
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/02/2012 1449
Prep Date: 07/02/2012 1030
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cyanide, Total	0.13	J	10.6	10.6	10.91	10.85

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-118323

Method: 9012A
Preparation: 9012A

Lab Sample ID: MB 460-118323/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/02/2012 1503
Prep Date: 07/02/2012 1030
Leach Date: N/A

Analysis Batch: 460-118346
Prep Batch: 460-118323
Leach Batch: N/A
Units: mg/Kg

Instrument ID: Lachat2
Lab File ID: C120702A.FDT
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50.0 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.054	U	0.054	0.50

Low Level Control Sample - Batch: 460-118323

Method: 9012A
Preparation: 9012A

Lab Sample ID: LLCS 460-118323/2-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/02/2012 1504
Prep Date: 07/02/2012 1030
Leach Date: N/A

Analysis Batch: 460-118346
Prep Batch: 460-118323
Leach Batch: N/A
Units: mg/Kg

Instrument ID: Lachat2
Lab File ID: C120702A.FDT
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	1.25	1.35	108	90 - 110	

High Level Control Sample - Batch: 460-118323

Method: 9012A
Preparation: 9012A

Lab Sample ID: HLCS 460-118323/3-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/02/2012 1508
Prep Date: 07/02/2012 1030
Leach Date: N/A

Analysis Batch: 460-118346
Prep Batch: 460-118323
Leach Batch: N/A
Units: mg/Kg

Instrument ID: Lachat2
Lab File ID: C120702A.FDT
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	10.0	9.93	99	90 - 110	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-118323**

**Method: 9012A
Preparation: 9012A**

MS Lab Sample ID: 460-41546-16
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/02/2012 1509
Prep Date: 07/02/2012 1030
Leach Date: N/A

Analysis Batch: 460-118346
Prep Batch: 460-118323
Leach Batch: N/A

Instrument ID: Lachat2
Lab File ID: C120702A.FDT
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50.0 mL

MSD Lab Sample ID: 460-41546-16
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/02/2012 1510
Prep Date: 07/02/2012 1030
Leach Date: N/A

Analysis Batch: 460-118346
Prep Batch: 460-118323
Leach Batch: N/A

Instrument ID: Lachat2
Lab File ID: C120702A.FDT
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Cyanide, Total	103	103	85 - 115	1	10		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-118323**

**Method: 9012A
Preparation: 9012A**

MS Lab Sample ID: 460-41546-16
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/02/2012 1509
Prep Date: 07/02/2012 1030
Leach Date: N/A

Units: mg/Kg

MSD Lab Sample ID: 460-41546-16
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/02/2012 1510
Prep Date: 07/02/2012 1030
Leach Date: N/A

Analyte	Sample		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
	Result/Qual					
Cyanide, Total	0.068	U	12.6	12.6	13.06	12.98

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Method Blank - Batch: 460-118408

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 460-118408/1-A	Analysis Batch:	460-118452	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118408	Lab File ID:	C120703.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	07/03/2012 1151	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	07/03/2012 0630				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.054	U	0.054	0.50

Low Level Control Sample - Batch: 460-118408

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 460-118408/2-A	Analysis Batch:	460-118452	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118408	Lab File ID:	C120703.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	07/03/2012 1152	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	07/03/2012 0630				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	1.25	1.35	108	90 - 110	

High Level Control Sample - Batch: 460-118408

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 460-118408/3-A	Analysis Batch:	460-118452	Instrument ID:	Lachat2
Client Matrix:	Solid	Prep Batch:	460-118408	Lab File ID:	C120703.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	07/03/2012 1153	Units:	mg/Kg	Final Weight/Volume:	50.0 mL
Prep Date:	07/03/2012 0630				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	10.0	9.70	97	90 - 110	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-118408**

**Method: 9012A
Preparation: 9012A**

MS Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/03/2012 1154
Prep Date: 07/03/2012 0630
Leach Date: N/A

Analysis Batch: 460-118452
Prep Batch: 460-118408
Leach Batch: N/A

Instrument ID: Lachat2
Lab File ID: C120703.FDT
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50.0 mL

MSD Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/03/2012 1155
Prep Date: 07/03/2012 0630
Leach Date: N/A

Analysis Batch: 460-118452
Prep Batch: 460-118408
Leach Batch: N/A

Instrument ID: Lachat2
Lab File ID: C120703.FDT
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Cyanide, Total	101	102	85 - 115	0	10		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-118408**

**Method: 9012A
Preparation: 9012A**

MS Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/03/2012 1154
Prep Date: 07/03/2012 0630
Leach Date: N/A

Units: mg/Kg

MSD Lab Sample ID: 460-41546-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/03/2012 1155
Prep Date: 07/03/2012 0630
Leach Date: N/A

Analyte	Sample		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
	Result/Qual					
Cyanide, Total	0.058	U	10.8	10.8	10.90	10.95

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Duplicate - Batch: 460-117068

Method: Moisture Preparation: N/A

Lab Sample ID:	460-41546-14	Analysis Batch:	460-117068	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:	06/21/2012 2347	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	18.8	18.8	0.3	20	
Percent Solids	81.2	81.2	0.06	20	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Duplicate - Batch: 460-117070

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-41546-21	Analysis Batch:	460-117070	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:	06/22/2012 0055	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	7.3	7.2	0.6	20	
Percent Solids	92.7	92.8	0.04	20	

DATA REPORTING QUALIFIERS

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	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.
GC/MS Semi VOA		
	J	Indicates an Estimated Value for TICs
	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
	*	Recovery or RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
	A	The tentatively identified compound is a suspected aldol-condensation product.
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

DATA REPORTING QUALIFIERS

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Lab Section	Qualifier	Description
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.
General Chemistry	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS VOA					
Prep Batch: 460-116894					
LB3 460-116894/1-A	Neutral Leach or MeOH Extraction	T	Solid	5035	
	Blank				
460-41546-17	F-8	T	Solid	5035	
460-41546-18	F-9	T	Solid	5035	
460-41546-19	F-10	T	Solid	5035	
460-41546-20	F-11	T	Solid	5035	
460-41546-21	F-12	T	Solid	5035	
460-41546-21MS	Matrix Spike	T	Solid	5035	
460-41546-21MSD	Matrix Spike Duplicate	T	Solid	5035	
460-41546-22	F-13	T	Solid	5035	
460-41546-23	FB-E	T	Solid	5035	
Analysis Batch:460-117776					
LCS 460-117776/3	Lab Control Sample	T	Solid	8260B	
MB 460-117776/5	Method Blank	T	Solid	8260B	
LB3 460-116894/1-A	Neutral Leach or MeOH Extraction	T	Solid	8260B	460-116894
	Blank				
460-41546-17	F-8	T	Solid	8260B	460-116894
460-41546-18	F-9	T	Solid	8260B	460-116894
460-41546-19	F-10	T	Solid	8260B	460-116894
460-41546-20	F-11	T	Solid	8260B	460-116894
460-41546-21	F-12	T	Solid	8260B	460-116894
460-41546-21MS	Matrix Spike	T	Solid	8260B	460-116894
460-41546-21MSD	Matrix Spike Duplicate	T	Solid	8260B	460-116894
460-41546-22	F-13	T	Solid	8260B	460-116894
460-41546-23	FB-E	T	Solid	8260B	460-116894

Report Basis

T = Total

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Prep Batch: 460-117106					
LCS 460-117106/2-A	Lab Control Sample	T	Solid	3541	
MB 460-117106/1-A	Method Blank	T	Solid	3541	
460-41546-17	F-8	T	Solid	3541	
460-41546-18	F-9	T	Solid	3541	
460-41546-19	F-10	T	Solid	3541	
460-41546-21	F-12	T	Solid	3541	
460-41546-21MS	Matrix Spike	T	Solid	3541	
460-41546-21MSD	Matrix Spike Duplicate	T	Solid	3541	
Prep Batch: 460-117111					
LCS 460-117111/2-A	Lab Control Sample	T	Solid	3541	
MB 460-117111/1-A	Method Blank	T	Solid	3541	
460-41546-20	F-11	T	Solid	3541	
460-41546-22	F-13	T	Solid	3541	
460-41546-23	FB-E	T	Solid	3541	
460-41556-A-10-A MSDL	Matrix Spike	T	Solid	3541	
460-41556-A-10-B MSDDL	Matrix Spike Duplicate	T	Solid	3541	
Analysis Batch:460-117489					
LCS 460-117111/2-A	Lab Control Sample	T	Solid	8270C	460-117111
MB 460-117111/1-A	Method Blank	T	Solid	8270C	460-117111
460-41546-20	F-11	T	Solid	8270C	460-117111
460-41546-22	F-13	T	Solid	8270C	460-117111
460-41546-23	FB-E	T	Solid	8270C	460-117111
Analysis Batch:460-117507					
460-41556-A-10-A MSDL	Matrix Spike	T	Solid	8270C	460-117111
460-41556-A-10-B MSDDL	Matrix Spike Duplicate	T	Solid	8270C	460-117111
Analysis Batch:460-117976					
LCS 460-117106/2-A	Lab Control Sample	T	Solid	8270C	460-117106
MB 460-117106/1-A	Method Blank	T	Solid	8270C	460-117106
460-41546-17	F-8	T	Solid	8270C	460-117106
460-41546-18	F-9	T	Solid	8270C	460-117106
460-41546-19	F-10	T	Solid	8270C	460-117106
460-41546-21	F-12	T	Solid	8270C	460-117106
Analysis Batch:460-117977					
460-41546-21MS	Matrix Spike	T	Solid	8270C	460-117106
460-41546-21MSD	Matrix Spike Duplicate	T	Solid	8270C	460-117106

Report Basis

T = Total

TestAmerica Edison

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC Semi VOA					
Prep Batch: 460-117107					
LCS 460-117107/2-A	Lab Control Sample	T	Solid	3541	
MB 460-117107/1-A	Method Blank	T	Solid	3541	
460-41546-17	F-8	T	Solid	3541	
460-41546-18	F-9	T	Solid	3541	
460-41546-19	F-10	T	Solid	3541	
460-41546-20	F-11	T	Solid	3541	
460-41546-21	F-12	T	Solid	3541	
460-41546-21MS	Matrix Spike	T	Solid	3541	
460-41546-21MSD	Matrix Spike Duplicate	T	Solid	3541	
460-41546-22	F-13	T	Solid	3541	
460-41546-23	FB-E	T	Solid	3541	
Prep Batch: 460-117130					
LCS 460-117130/2-A	Lab Control Sample	T	Solid	3541	
MB 460-117130/1-A	Method Blank	T	Solid	3541	
460-41546-17	F-8	T	Solid	3541	
460-41546-18	F-9	T	Solid	3541	
460-41546-19	F-10	T	Solid	3541	
460-41546-20	F-11	T	Solid	3541	
460-41546-21	F-12	T	Solid	3541	
460-41546-21MS	Matrix Spike	T	Solid	3541	
460-41546-21MSD	Matrix Spike Duplicate	T	Solid	3541	
460-41546-22	F-13	T	Solid	3541	
460-41546-23	FB-E	T	Solid	3541	
Analysis Batch:460-117335					
LCS 460-117107/2-A	Lab Control Sample	T	Solid	8082	460-117107
MB 460-117107/1-A	Method Blank	T	Solid	8082	460-117107
460-41546-17	F-8	T	Solid	8082	460-117107
460-41546-18	F-9	T	Solid	8082	460-117107
460-41546-19	F-10	T	Solid	8082	460-117107
460-41546-20	F-11	T	Solid	8082	460-117107
460-41546-21	F-12	T	Solid	8082	460-117107
460-41546-21MS	Matrix Spike	T	Solid	8082	460-117107
460-41546-21MSD	Matrix Spike Duplicate	T	Solid	8082	460-117107
460-41546-22	F-13	T	Solid	8082	460-117107
460-41546-23	FB-E	T	Solid	8082	460-117107

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC Semi VOA					
Analysis Batch:460-117505					
LCS 460-117130/2-A	Lab Control Sample	T	Solid	8081A	460-117130
MB 460-117130/1-A	Method Blank	T	Solid	8081A	460-117130
460-41546-17	F-8	T	Solid	8081A	460-117130
460-41546-18	F-9	T	Solid	8081A	460-117130
460-41546-19	F-10	T	Solid	8081A	460-117130
460-41546-20	F-11	T	Solid	8081A	460-117130
460-41546-21	F-12	T	Solid	8081A	460-117130
460-41546-21MS	Matrix Spike	T	Solid	8081A	460-117130
460-41546-21MSD	Matrix Spike Duplicate	T	Solid	8081A	460-117130
460-41546-22	F-13	T	Solid	8081A	460-117130
460-41546-23	FB-E	T	Solid	8081A	460-117130

Report Basis

T = Total

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 460-117140					
LCSSRM 460-117140/2-A ^20	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-117140/1-A	Method Blank	T	Solid	7471A	
460-41546-1	PH-1	T	Solid	7471A	
460-41546-2	PH-2	T	Solid	7471A	
460-41546-3	PH-3	T	Solid	7471A	
460-41546-4	PH-4	T	Solid	7471A	
460-41546-5	PH-5	T	Solid	7471A	
460-41546-5DU	Duplicate	T	Solid	7471A	
460-41546-5MS	Matrix Spike	T	Solid	7471A	
460-41546-6	PH-6	T	Solid	7471A	
460-41546-7	PH-7	T	Solid	7471A	
460-41546-8	PH-8	T	Solid	7471A	
Analysis Batch:460-117198					
LCSSRM 460-117140/2-A ^20	LCS-Certified Reference Material	T	Solid	7471A	460-117140
MB 460-117140/1-A	Method Blank	T	Solid	7471A	460-117140
460-41546-1	PH-1	T	Solid	7471A	460-117140
460-41546-2	PH-2	T	Solid	7471A	460-117140
460-41546-3	PH-3	T	Solid	7471A	460-117140
460-41546-4	PH-4	T	Solid	7471A	460-117140
460-41546-5	PH-5	T	Solid	7471A	460-117140
460-41546-5DU	Duplicate	T	Solid	7471A	460-117140
460-41546-5MS	Matrix Spike	T	Solid	7471A	460-117140
460-41546-6	PH-6	T	Solid	7471A	460-117140
460-41546-7	PH-7	T	Solid	7471A	460-117140
460-41546-8	PH-8	T	Solid	7471A	460-117140

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 460-117199					
LCSSRM 460-117199/11-A	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-117199/10-A	Method Blank	T	Solid	7471A	
460-41546-9	PH-9	T	Solid	7471A	
460-41546-10	PH-10	T	Solid	7471A	
460-41546-11	PH-11	T	Solid	7471A	
460-41546-12	PH-12	T	Solid	7471A	
460-41546-13	PH-13	T	Solid	7471A	
460-41546-14	PH-14	T	Solid	7471A	
460-41546-15	PH-15	T	Solid	7471A	
460-41546-16	PH-16	T	Solid	7471A	
460-41546-17	F-8	T	Solid	7471A	
460-41546-18	F-9	T	Solid	7471A	
460-41546-19	F-10	T	Solid	7471A	
460-41546-20	F-11	T	Solid	7471A	
460-41546-21	F-12	T	Solid	7471A	
460-41546-21DU	Duplicate	T	Solid	7471A	
460-41546-21MS	Matrix Spike	T	Solid	7471A	
460-41546-22	F-13	T	Solid	7471A	
460-41546-23	FB-E	T	Solid	7471A	
Analysis Batch:460-117216					
LCSSRM 460-117199/11-A	LCS-Certified Reference Material	T	Solid	7471A	460-117199
MB 460-117199/10-A	Method Blank	T	Solid	7471A	460-117199
460-41546-9	PH-9	T	Solid	7471A	460-117199
460-41546-10	PH-10	T	Solid	7471A	460-117199
460-41546-11	PH-11	T	Solid	7471A	460-117199
460-41546-12	PH-12	T	Solid	7471A	460-117199
460-41546-13	PH-13	T	Solid	7471A	460-117199
460-41546-14	PH-14	T	Solid	7471A	460-117199
460-41546-15	PH-15	T	Solid	7471A	460-117199
460-41546-16	PH-16	T	Solid	7471A	460-117199
460-41546-17	F-8	T	Solid	7471A	460-117199
460-41546-18	F-9	T	Solid	7471A	460-117199
460-41546-19	F-10	T	Solid	7471A	460-117199
460-41546-20	F-11	T	Solid	7471A	460-117199
460-41546-21	F-12	T	Solid	7471A	460-117199
460-41546-21DU	Duplicate	T	Solid	7471A	460-117199
460-41546-21MS	Matrix Spike	T	Solid	7471A	460-117199
460-41546-22	F-13	T	Solid	7471A	460-117199
460-41546-23	FB-E	T	Solid	7471A	460-117199

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 460-117772					
LCSSRM 460-117772/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-117772/1-A ^2	Method Blank	T	Solid	3050B	
460-41546-1	PH-1	T	Solid	3050B	
460-41546-2	PH-2	T	Solid	3050B	
460-41546-3	PH-3	T	Solid	3050B	
460-41778-B-1-C DU ^4	Duplicate	T	Solid	3050B	
460-41778-B-1-D MS ^4	Matrix Spike	T	Solid	3050B	
Prep Batch: 460-117773					
LCSSRM 460-117773/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-117773/1-A ^2	Method Blank	T	Solid	3050B	
460-41546-4	PH-4	T	Solid	3050B	
460-41546-5	PH-5	T	Solid	3050B	
460-41546-6	PH-6	T	Solid	3050B	
460-41546-7	PH-7	T	Solid	3050B	
460-41546-8	PH-8	T	Solid	3050B	
460-41546-9	PH-9	T	Solid	3050B	
460-41546-10	PH-10	T	Solid	3050B	
460-41546-11	PH-11	T	Solid	3050B	
460-41546-12	PH-12	T	Solid	3050B	
460-41546-13	PH-13	T	Solid	3050B	
460-41546-14	PH-14	T	Solid	3050B	
460-41546-15	PH-15	T	Solid	3050B	
460-41546-16	PH-16	T	Solid	3050B	
460-41546-17	F-8	T	Solid	3050B	
460-41546-18	F-9	T	Solid	3050B	
460-41546-19	F-10	T	Solid	3050B	
460-41546-20	F-11	T	Solid	3050B	
460-41546-21	F-12	T	Solid	3050B	
460-41546-21DU	Duplicate	T	Solid	3050B	
460-41546-21MS	Matrix Spike	T	Solid	3050B	
460-41546-22	F-13	T	Solid	3050B	
460-41546-23	FB-E	T	Solid	3050B	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Analysis Batch:460-117953					
LCSSRM 460-117772/2-A ^4	LCS-Certified Reference Material	T	Solid	6010B	460-117772
MB 460-117772/1-A ^2	Method Blank	T	Solid	6010B	460-117772
LCSSRM 460-117773/2-A ^4	LCS-Certified Reference Material	T	Solid	6010B	460-117773
MB 460-117773/1-A ^2	Method Blank	T	Solid	6010B	460-117773
460-41546-1	PH-1	T	Solid	6010B	460-117772
460-41546-2	PH-2	T	Solid	6010B	460-117772
460-41546-3	PH-3	T	Solid	6010B	460-117772
460-41546-4	PH-4	T	Solid	6010B	460-117773
460-41546-5	PH-5	T	Solid	6010B	460-117773
460-41546-6	PH-6	T	Solid	6010B	460-117773
460-41546-7	PH-7	T	Solid	6010B	460-117773
460-41546-8	PH-8	T	Solid	6010B	460-117773
460-41546-9	PH-9	T	Solid	6010B	460-117773
460-41546-10	PH-10	T	Solid	6010B	460-117773
460-41546-11	PH-11	T	Solid	6010B	460-117773
460-41546-12	PH-12	T	Solid	6010B	460-117773
460-41546-13	PH-13	T	Solid	6010B	460-117773
460-41546-14	PH-14	T	Solid	6010B	460-117773
460-41546-15	PH-15	T	Solid	6010B	460-117773
460-41546-16	PH-16	T	Solid	6010B	460-117773
460-41546-17	F-8	T	Solid	6010B	460-117773
460-41546-18	F-9	T	Solid	6010B	460-117773
460-41546-19	F-10	T	Solid	6010B	460-117773
460-41546-20	F-11	T	Solid	6010B	460-117773
460-41546-21	F-12	T	Solid	6010B	460-117773
460-41546-21DU	Duplicate	T	Solid	6010B	460-117773
460-41546-21MS	Matrix Spike	T	Solid	6010B	460-117773
460-41546-22	F-13	T	Solid	6010B	460-117773
460-41546-23	FB-E	T	Solid	6010B	460-117773
460-41778-B-1-C DU ^4	Duplicate	T	Solid	6010B	460-117772
460-41778-B-1-D MS ^4	Matrix Spike	T	Solid	6010B	460-117772
Analysis Batch:460-118065					
460-41546-3	PH-3	T	Solid	6010B	460-117772

Report Basis

T = Total

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:460-117068					
460-41546-1	PH-1	T	Solid	Moisture	
460-41546-2	PH-2	T	Solid	Moisture	
460-41546-3	PH-3	T	Solid	Moisture	
460-41546-4	PH-4	T	Solid	Moisture	
460-41546-5	PH-5	T	Solid	Moisture	
460-41546-6	PH-6	T	Solid	Moisture	
460-41546-7	PH-7	T	Solid	Moisture	
460-41546-8	PH-8	T	Solid	Moisture	
460-41546-9	PH-9	T	Solid	Moisture	
460-41546-10	PH-10	T	Solid	Moisture	
460-41546-11	PH-11	T	Solid	Moisture	
460-41546-12	PH-12	T	Solid	Moisture	
460-41546-13	PH-13	T	Solid	Moisture	
460-41546-14	PH-14	T	Solid	Moisture	
460-41546-14DU	Duplicate	T	Solid	Moisture	
Analysis Batch:460-117070					
460-41546-15	PH-15	T	Solid	Moisture	
460-41546-16	PH-16	T	Solid	Moisture	
460-41546-17	F-8	T	Solid	Moisture	
460-41546-18	F-9	T	Solid	Moisture	
460-41546-19	F-10	T	Solid	Moisture	
460-41546-20	F-11	T	Solid	Moisture	
460-41546-21	F-12	T	Solid	Moisture	
460-41546-21DU	Duplicate	T	Solid	Moisture	
460-41546-21MS	Matrix Spike	T	Solid	Moisture	
460-41546-21MSD	Matrix Spike Duplicate	T	Solid	Moisture	
460-41546-22	F-13	T	Solid	Moisture	
460-41546-23	FB-E	T	Solid	Moisture	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report	Client Matrix	Method	Prep Batch
		Basis			
General Chemistry					
Prep Batch: 460-118173					
HLCS 460-118173/3-A	High Level Control Sample	T	Solid	9012A	
LLCS 460-118173/2-A	Low Level Control Sample	T	Solid	9012A	
MB 460-118173/1-A	Method Blank	T	Solid	9012A	
460-41546-1	PH-1	T	Solid	9012A	
460-41546-1MS	Matrix Spike	T	Solid	9012A	
460-41546-1MSD	Matrix Spike Duplicate	T	Solid	9012A	
460-41546-2	PH-2	T	Solid	9012A	
460-41546-3	PH-3	T	Solid	9012A	
460-41546-4	PH-4	T	Solid	9012A	
460-41546-5	PH-5	T	Solid	9012A	
460-41546-6	PH-6	T	Solid	9012A	
460-41546-7	PH-7	T	Solid	9012A	
460-41546-8	PH-8	T	Solid	9012A	
460-41546-9	PH-9	T	Solid	9012A	
460-41546-10	PH-10	T	Solid	9012A	
Prep Batch: 460-118174					
HLCS 460-118174/3-A	High Level Control Sample	T	Solid	9012A	
LLCS 460-118174/2-A	Low Level Control Sample	T	Solid	9012A	
MB 460-118174/1-A	Method Blank	T	Solid	9012A	
460-41546-11	PH-11	T	Solid	9012A	
460-41547-E-1-G MS	Matrix Spike	T	Solid	9012A	
460-41547-E-1-H MSD	Matrix Spike Duplicate	T	Solid	9012A	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:460-118178					
HLCS 460-118173/3-A	High Level Control Sample	T	Solid	9012A	460-118173
LLCS 460-118173/2-A	Low Level Control Sample	T	Solid	9012A	460-118173
MB 460-118173/1-A	Method Blank	T	Solid	9012A	460-118173
HLCS 460-118174/3-A	High Level Control Sample	T	Solid	9012A	460-118174
LLCS 460-118174/2-A	Low Level Control Sample	T	Solid	9012A	460-118174
MB 460-118174/1-A	Method Blank	T	Solid	9012A	460-118174
460-41546-1	PH-1	T	Solid	9012A	460-118173
460-41546-1MS	Matrix Spike	T	Solid	9012A	460-118173
460-41546-1MSD	Matrix Spike Duplicate	T	Solid	9012A	460-118173
460-41546-2	PH-2	T	Solid	9012A	460-118173
460-41546-3	PH-3	T	Solid	9012A	460-118173
460-41546-4	PH-4	T	Solid	9012A	460-118173
460-41546-5	PH-5	T	Solid	9012A	460-118173
460-41546-6	PH-6	T	Solid	9012A	460-118173
460-41546-7	PH-7	T	Solid	9012A	460-118173
460-41546-8	PH-8	T	Solid	9012A	460-118173
460-41546-9	PH-9	T	Solid	9012A	460-118173
460-41546-10	PH-10	T	Solid	9012A	460-118173
460-41546-11	PH-11	T	Solid	9012A	460-118174
460-41547-E-1-G MS	Matrix Spike	T	Solid	9012A	460-118174
460-41547-E-1-H MSD	Matrix Spike Duplicate	T	Solid	9012A	460-118174
Prep Batch: 460-118311					
HLCS 460-118311/3-A	High Level Control Sample	T	Solid	9012A	
LLCS 460-118311/2-A	Low Level Control Sample	T	Solid	9012A	
MB 460-118311/1-A	Method Blank	T	Solid	9012A	
460-41546-12	PH-12	T	Solid	9012A	
460-41546-13	PH-13	T	Solid	9012A	
460-41546-13MS	Matrix Spike	T	Solid	9012A	
460-41546-13MSD	Matrix Spike Duplicate	T	Solid	9012A	
Prep Batch: 460-118323					
HLCS 460-118323/3-A	High Level Control Sample	T	Solid	9012A	
LLCS 460-118323/2-A	Low Level Control Sample	T	Solid	9012A	
MB 460-118323/1-A	Method Blank	T	Solid	9012A	
460-41546-14	PH-14	T	Solid	9012A	
460-41546-15	PH-15	T	Solid	9012A	
460-41546-16	PH-16	T	Solid	9012A	
460-41546-16MS	Matrix Spike	T	Solid	9012A	
460-41546-16MSD	Matrix Spike Duplicate	T	Solid	9012A	

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:460-118346					
HLCS 460-118311/3-A	High Level Control Sample	T	Solid	9012A	460-118311
LLCS 460-118311/2-A	Low Level Control Sample	T	Solid	9012A	460-118311
MB 460-118311/1-A	Method Blank	T	Solid	9012A	460-118311
HLCS 460-118323/3-A	High Level Control Sample	T	Solid	9012A	460-118323
LLCS 460-118323/2-A	Low Level Control Sample	T	Solid	9012A	460-118323
MB 460-118323/1-A	Method Blank	T	Solid	9012A	460-118323
460-41546-12	PH-12	T	Solid	9012A	460-118311
460-41546-13	PH-13	T	Solid	9012A	460-118311
460-41546-13MS	Matrix Spike	T	Solid	9012A	460-118311
460-41546-13MSD	Matrix Spike Duplicate	T	Solid	9012A	460-118311
460-41546-14	PH-14	T	Solid	9012A	460-118323
460-41546-15	PH-15	T	Solid	9012A	460-118323
460-41546-16	PH-16	T	Solid	9012A	460-118323
460-41546-16MS	Matrix Spike	T	Solid	9012A	460-118323
460-41546-16MSD	Matrix Spike Duplicate	T	Solid	9012A	460-118323
Prep Batch: 460-118408					
HLCS 460-118408/3-A	High Level Control Sample	T	Solid	9012A	
LLCS 460-118408/2-A	Low Level Control Sample	T	Solid	9012A	
MB 460-118408/1-A	Method Blank	T	Solid	9012A	
460-41546-17	F-8	T	Solid	9012A	
460-41546-18	F-9	T	Solid	9012A	
460-41546-19	F-10	T	Solid	9012A	
460-41546-20	F-11	T	Solid	9012A	
460-41546-21	F-12	T	Solid	9012A	
460-41546-21MS	Matrix Spike	T	Solid	9012A	
460-41546-21MSD	Matrix Spike Duplicate	T	Solid	9012A	
460-41546-22	F-13	T	Solid	9012A	
460-41546-23	FB-E	T	Solid	9012A	
Analysis Batch:460-118452					
HLCS 460-118408/3-A	High Level Control Sample	T	Solid	9012A	460-118408
LLCS 460-118408/2-A	Low Level Control Sample	T	Solid	9012A	460-118408
MB 460-118408/1-A	Method Blank	T	Solid	9012A	460-118408
460-41546-17	F-8	T	Solid	9012A	460-118408
460-41546-18	F-9	T	Solid	9012A	460-118408
460-41546-19	F-10	T	Solid	9012A	460-118408
460-41546-20	F-11	T	Solid	9012A	460-118408
460-41546-21	F-12	T	Solid	9012A	460-118408
460-41546-21MS	Matrix Spike	T	Solid	9012A	460-118408
460-41546-21MSD	Matrix Spike Duplicate	T	Solid	9012A	460-118408
460-41546-22	F-13	T	Solid	9012A	460-118408
460-41546-23	FB-E	T	Solid	9012A	460-118408

TestAmerica Edison

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

T = Total

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-1

Client ID: PH-1

Sample Date/Time: 06/20/2012 09:25

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-1-B ^4		460-117953	460-117772	06/28/2012 07:17	4	TAL EDI	MC
A:6010B	460-41546-A-1-B ^4		460-117953	460-117772	06/28/2012 22:11	4	TAL EDI	CDC
P:7471A	460-41546-A-1-A		460-117198	460-117140	06/22/2012 10:41	1	TAL EDI	RBS
A:7471A	460-41546-A-1-A		460-117198	460-117140	06/22/2012 15:20	1	TAL EDI	RBS
P:9012A	460-41546-A-1-C		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-1-C		460-118178	460-118173	07/01/2012 14:12	1	TAL EDI	HV
A:Moisture	460-41546-A-1		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Lab ID: 460-41546-1 MS

Client ID: PH-1

Sample Date/Time: 06/20/2012 09:25

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	460-41546-A-1-D MS		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-1-D MS		460-118178	460-118173	07/01/2012 14:09	1	TAL EDI	HV

Lab ID: 460-41546-1 MSD

Client ID: PH-1

Sample Date/Time: 06/20/2012 09:25

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	460-41546-A-1-E MSD		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-1-E MSD		460-118178	460-118173	07/01/2012 14:10	1	TAL EDI	HV

Lab ID: 460-41546-2

Client ID: PH-2

Sample Date/Time: 06/20/2012 09:29

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-2-B ^4		460-117953	460-117772	06/28/2012 07:17	4	TAL EDI	MC
A:6010B	460-41546-A-2-B ^4		460-117953	460-117772	06/28/2012 22:15	4	TAL EDI	CDC
P:7471A	460-41546-A-2-A ^3		460-117198	460-117140	06/22/2012 10:41	3	TAL EDI	RBS
A:7471A	460-41546-A-2-A ^3		460-117198	460-117140	06/22/2012 15:42	3	TAL EDI	RBS
P:9012A	460-41546-A-2-C		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-2-C		460-118178	460-118173	07/01/2012 14:13	1	TAL EDI	HV
A:Moisture	460-41546-A-2		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-3

Client ID: PH-3

Sample Date/Time: 06/20/2012 09:32

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-3-B ^4		460-117953	460-117772	06/28/2012 07:17	4	TAL EDI	MC
A:6010B	460-41546-A-3-B ^4		460-117953	460-117772	06/28/2012 22:18	4	TAL EDI	CDC
P:3050B	460-41546-A-3-B ^10		460-118065	460-117772	06/28/2012 07:17	10	TAL EDI	MC
A:6010B	460-41546-A-3-B ^10		460-118065	460-117772	06/29/2012 11:21	10	TAL EDI	CDC
P:7471A	460-41546-A-3-A		460-117198	460-117140	06/22/2012 10:41	1	TAL EDI	RBS
A:7471A	460-41546-A-3-A		460-117198	460-117140	06/22/2012 15:44	1	TAL EDI	RBS
P:9012A	460-41546-A-3-C		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-3-C		460-118178	460-118173	07/01/2012 14:14	1	TAL EDI	HV
A:Moisture	460-41546-A-3		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Lab ID: 460-41546-4

Client ID: PH-4

Sample Date/Time: 06/20/2012 09:34

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-4-B ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-4-B ^4		460-117953	460-117773	06/28/2012 22:39	4	TAL EDI	CDC
P:7471A	460-41546-A-4-A		460-117198	460-117140	06/22/2012 10:41	1	TAL EDI	RBS
A:7471A	460-41546-A-4-A		460-117198	460-117140	06/22/2012 15:27	1	TAL EDI	RBS
P:9012A	460-41546-A-4-C		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-4-C		460-118178	460-118173	07/01/2012 14:15	1	TAL EDI	HV
A:Moisture	460-41546-A-4		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Lab ID: 460-41546-5

Client ID: PH-5

Sample Date/Time: 06/20/2012 10:10

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-5-D ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-5-D ^4		460-117953	460-117773	06/28/2012 22:57	4	TAL EDI	CDC
P:7471A	460-41546-A-5-A		460-117198	460-117140	06/22/2012 10:41	1	TAL EDI	RBS
A:7471A	460-41546-A-5-A		460-117198	460-117140	06/22/2012 14:57	1	TAL EDI	RBS
P:9012A	460-41546-A-5-E		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-5-E		460-118178	460-118173	07/01/2012 14:19	1	TAL EDI	HV
A:Moisture	460-41546-A-5		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Lab ID: 460-41546-5 MS

Client ID: PH-5

Sample Date/Time: 06/20/2012 10:10

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	460-41546-A-5-C MS		460-117198	460-117140	06/22/2012 10:41	1	TAL EDI	RBS
A:7471A	460-41546-A-5-C MS		460-117198	460-117140	06/22/2012 15:01	1	TAL EDI	RBS

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-5 DU

Client ID: PH-5

Sample Date/Time: 06/20/2012 10:10

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	460-41546-A-5-B DU		460-117198	460-117140	06/22/2012 10:41	1	TAL EDI	RBS
A:7471A	460-41546-A-5-B DU		460-117198	460-117140	06/22/2012 14:59	1	TAL EDI	RBS

Lab ID: 460-41546-5 SD

Client ID: PH-5

Sample Date/Time: 06/20/2012 10:10

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	460-41546-A-5-A SD		460-117198	460-117140	06/22/2012 10:41	5	TAL EDI	RBS
	^5							
A:7471A	460-41546-A-5-A SD		460-117198	460-117140	06/22/2012 15:35	5	TAL EDI	RBS
	^5							

Lab ID: 460-41546-6

Client ID: PH-6

Sample Date/Time: 06/20/2012 10:14

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-6-B ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-6-B ^4		460-117953	460-117773	06/28/2012 23:01	4	TAL EDI	CDC
P:7471A	460-41546-A-6-A		460-117198	460-117140	06/22/2012 10:41	1	TAL EDI	RBS
A:7471A	460-41546-A-6-A		460-117198	460-117140	06/22/2012 15:29	1	TAL EDI	RBS
P:9012A	460-41546-A-6-C		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-6-C		460-118178	460-118173	07/01/2012 14:20	1	TAL EDI	HV
A:Moisture	460-41546-A-6		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Lab ID: 460-41546-7

Client ID: PH-7

Sample Date/Time: 06/20/2012 10:16

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-7-B ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-7-B ^4		460-117953	460-117773	06/28/2012 23:05	4	TAL EDI	CDC
P:7471A	460-41546-A-7-A		460-117198	460-117140	06/22/2012 10:41	1	TAL EDI	RBS
A:7471A	460-41546-A-7-A		460-117198	460-117140	06/22/2012 15:31	1	TAL EDI	RBS
P:9012A	460-41546-A-7-C		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-7-C		460-118178	460-118173	07/01/2012 14:21	1	TAL EDI	HV
A:Moisture	460-41546-A-7		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-8

Client ID: PH-8

Sample Date/Time: 06/20/2012 10:18

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-8-B ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-8-B ^4		460-117953	460-117773	06/28/2012 23:08	4	TAL EDI	CDC
P:7471A	460-41546-A-8-A		460-117198	460-117140	06/22/2012 10:41	1	TAL EDI	RBS
A:7471A	460-41546-A-8-A		460-117198	460-117140	06/22/2012 15:33	1	TAL EDI	RBS
P:9012A	460-41546-A-8-C		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-8-C		460-118178	460-118173	07/01/2012 14:22	1	TAL EDI	HV
A:Moisture	460-41546-A-8		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Lab ID: 460-41546-9

Client ID: PH-9

Sample Date/Time: 06/20/2012 11:05

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-9-B ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-9-B ^4		460-117953	460-117773	06/28/2012 23:12	4	TAL EDI	CDC
P:7471A	460-41546-A-9-A		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-A-9-A		460-117216	460-117199	06/22/2012 20:12	1	TAL EDI	TS
P:9012A	460-41546-A-9-C		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-9-C		460-118178	460-118173	07/01/2012 14:23	1	TAL EDI	HV
A:Moisture	460-41546-A-9		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Lab ID: 460-41546-10

Client ID: PH-10

Sample Date/Time: 06/20/2012 11:08

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-10-B ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-10-B ^4		460-117953	460-117773	06/28/2012 23:15	4	TAL EDI	CDC
P:7471A	460-41546-A-10-A		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-A-10-A		460-117216	460-117199	06/22/2012 20:15	1	TAL EDI	TS
P:9012A	460-41546-A-10-C		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-10-C		460-118178	460-118173	07/01/2012 14:24	1	TAL EDI	HV
A:Moisture	460-41546-A-10		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-11

Client ID: PH-11

Sample Date/Time: 06/20/2012 11:10

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-11-B ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-11-B ^4		460-117953	460-117773	06/28/2012 23:19	4	TAL EDI	CDC
P:7471A	460-41546-A-11-A		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-A-11-A		460-117216	460-117199	06/22/2012 20:17	1	TAL EDI	TS
P:9012A	460-41546-A-11-C		460-118178	460-118174	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41546-A-11-C		460-118178	460-118174	07/01/2012 14:05	1	TAL EDI	HV
A:Moisture	460-41546-A-11		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Lab ID: 460-41546-12

Client ID: PH-12

Sample Date/Time: 06/20/2012 11:12

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-12-B ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-12-B ^4		460-117953	460-117773	06/28/2012 23:22	4	TAL EDI	CDC
P:7471A	460-41546-A-12-A		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-A-12-A		460-117216	460-117199	06/22/2012 20:24	1	TAL EDI	TS
P:9012A	460-41546-A-12-C		460-118346	460-118311	07/02/2012 10:30	1	TAL EDI	IA
A:9012A	460-41546-A-12-C		460-118346	460-118311	07/02/2012 14:51	1	TAL EDI	HV
A:Moisture	460-41546-A-12		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Lab ID: 460-41546-13

Client ID: PH-13

Sample Date/Time: 06/20/2012 11:50

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-13-B ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-13-B ^4		460-117953	460-117773	06/28/2012 23:26	4	TAL EDI	CDC
P:7471A	460-41546-A-13-A		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-A-13-A		460-117216	460-117199	06/22/2012 20:26	1	TAL EDI	TS
P:9012A	460-41546-A-13-E		460-118346	460-118311	07/02/2012 10:30	1	TAL EDI	IA
A:9012A	460-41546-A-13-E		460-118346	460-118311	07/02/2012 14:50	1	TAL EDI	HV
A:Moisture	460-41546-A-13		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Lab ID: 460-41546-13 MS

Client ID: PH-13

Sample Date/Time: 06/20/2012 11:50

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	460-41546-A-13-C MS		460-118346	460-118311	07/02/2012 10:30	1	TAL EDI	IA
A:9012A	460-41546-A-13-C MS		460-118346	460-118311	07/02/2012 14:47	1	TAL EDI	HV

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-13 MSD

Client ID: PH-13

Sample Date/Time: 06/20/2012 11:50

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	460-41546-A-13-D MSD		460-118346	460-118311	07/02/2012 10:30	1	TAL EDI	IA
A:9012A	460-41546-A-13-D MSD		460-118346	460-118311	07/02/2012 14:49	1	TAL EDI	HV

Lab ID: 460-41546-14

Client ID: PH-14

Sample Date/Time: 06/20/2012 11:53

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-14-B ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-14-B ^4		460-117953	460-117773	06/28/2012 23:37	4	TAL EDI	CDC
P:7471A	460-41546-A-14-A		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-A-14-A		460-117216	460-117199	06/22/2012 20:28	1	TAL EDI	TS
P:9012A	460-41546-A-14-C		460-118346	460-118323	07/02/2012 10:30	1	TAL EDI	IA
A:9012A	460-41546-A-14-C		460-118346	460-118323	07/02/2012 15:12	1	TAL EDI	HV
A:Moisture	460-41546-A-14		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Lab ID: 460-41546-14 DU

Client ID: PH-14

Sample Date/Time: 06/20/2012 11:53

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-41546-A-14 DU		460-117068		06/21/2012 23:47	1	TAL EDI	SB

Lab ID: 460-41546-15

Client ID: PH-15

Sample Date/Time: 06/20/2012 11:55

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-15-B ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-15-B ^4		460-117953	460-117773	06/28/2012 23:40	4	TAL EDI	CDC
P:7471A	460-41546-A-15-A ^2		460-117216	460-117199	06/22/2012 16:00	2	TAL EDI	TS
A:7471A	460-41546-A-15-A ^2		460-117216	460-117199	06/22/2012 21:12	2	TAL EDI	TS
P:9012A	460-41546-A-15-C		460-118346	460-118323	07/02/2012 10:30	1	TAL EDI	IA
A:9012A	460-41546-A-15-C		460-118346	460-118323	07/02/2012 15:14	1	TAL EDI	HV
A:Moisture	460-41546-A-15		460-117070		06/22/2012 00:55	1	TAL EDI	SB

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-16

Client ID: PH-16

Sample Date/Time: 06/20/2012 11:57

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-A-16-B ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-A-16-B ^4		460-117953	460-117773	06/28/2012 23:44	4	TAL EDI	CDC
P:7471A	460-41546-A-16-A ^3		460-117216	460-117199	06/22/2012 16:00	3	TAL EDI	TS
A:7471A	460-41546-A-16-A ^3		460-117216	460-117199	06/22/2012 21:15	3	TAL EDI	TS
P:9012A	460-41546-A-16-E		460-118346	460-118323	07/02/2012 10:30	1	TAL EDI	IA
A:9012A	460-41546-A-16-E		460-118346	460-118323	07/02/2012 15:11	1	TAL EDI	HV
A:Moisture	460-41546-A-16		460-117070		06/22/2012 00:55	1	TAL EDI	SB

Lab ID: 460-41546-16 MS

Client ID: PH-16

Sample Date/Time: 06/20/2012 11:57

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	460-41546-A-16-C MS		460-118346	460-118323	07/02/2012 10:30	1	TAL EDI	IA
A:9012A	460-41546-A-16-C MS		460-118346	460-118323	07/02/2012 15:09	1	TAL EDI	HV

Lab ID: 460-41546-16 MSD

Client ID: PH-16

Sample Date/Time: 06/20/2012 11:57

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	460-41546-A-16-D MSD		460-118346	460-118323	07/02/2012 10:30	1	TAL EDI	IA
A:9012A	460-41546-A-16-D MSD		460-118346	460-118323	07/02/2012 15:10	1	TAL EDI	HV

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-17

Client ID: F-8

Sample Date/Time: 06/20/2012 13:05

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-41546-B-17-A		460-117776	460-116894	06/20/2012 22:53	1	TAL EDI	FJ
A:8260B	460-41546-B-17-A		460-117776	460-116894	06/28/2012 11:11	1	TAL EDI	AT
P:3541	460-41546-D-17-A		460-117976	460-117106	06/22/2012 08:49	1	TAL EDI	hp
A:8270C	460-41546-D-17-A		460-117976	460-117106	06/26/2012 15:08	1	TAL EDI	MC
P:3541	460-41546-D-17-C		460-117505	460-117130	06/22/2012 09:49	1	TAL EDI	ARA
A:8081A	460-41546-D-17-C		460-117505	460-117130	06/25/2012 08:44	1	TAL EDI	FM
P:3541	460-41546-D-17-B		460-117335	460-117107	06/22/2012 08:50	1	TAL EDI	ARA
A:8082	460-41546-D-17-B		460-117335	460-117107	06/24/2012 21:15	1	TAL EDI	CS
P:3050B	460-41546-D-17-E ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-D-17-E ^4		460-117953	460-117773	06/28/2012 23:48	4	TAL EDI	CDC
P:7471A	460-41546-D-17-D		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-D-17-D		460-117216	460-117199	06/22/2012 21:17	1	TAL EDI	TS
P:9012A	460-41546-D-17-F		460-118452	460-118408	07/03/2012 06:30	1	TAL EDI	IA
A:9012A	460-41546-D-17-F		460-118452	460-118408	07/03/2012 12:07	1	TAL EDI	HV
A:Moisture	460-41546-D-17		460-117070		06/22/2012 00:55	1	TAL EDI	SB

Lab ID: 460-41546-18

Client ID: F-9

Sample Date/Time: 06/20/2012 13:14

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-41546-B-18-A		460-117776	460-116894	06/20/2012 22:54	1	TAL EDI	FJ
A:8260B	460-41546-B-18-A		460-117776	460-116894	06/28/2012 11:35	1	TAL EDI	AT
P:3541	460-41546-D-18-A		460-117976	460-117106	06/22/2012 08:49	1	TAL EDI	hp
A:8270C	460-41546-D-18-A		460-117976	460-117106	06/26/2012 10:49	1	TAL EDI	MC
P:3541	460-41546-D-18-C		460-117505	460-117130	06/22/2012 09:49	1	TAL EDI	ARA
A:8081A	460-41546-D-18-C		460-117505	460-117130	06/25/2012 08:58	1	TAL EDI	FM
P:3541	460-41546-D-18-B		460-117335	460-117107	06/22/2012 08:50	1	TAL EDI	ARA
A:8082	460-41546-D-18-B		460-117335	460-117107	06/24/2012 21:31	1	TAL EDI	CS
P:3050B	460-41546-D-18-E ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-D-18-E ^4		460-117953	460-117773	06/28/2012 23:51	4	TAL EDI	CDC
P:7471A	460-41546-D-18-D		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-D-18-D		460-117216	460-117199	06/22/2012 20:37	1	TAL EDI	TS
P:9012A	460-41546-D-18-F		460-118452	460-118408	07/03/2012 06:30	1	TAL EDI	IA
A:9012A	460-41546-D-18-F		460-118452	460-118408	07/03/2012 12:01	1	TAL EDI	HV
A:Moisture	460-41546-D-18		460-117070		06/22/2012 00:55	1	TAL EDI	SB

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-19

Client ID: F-10

Sample Date/Time: 06/20/2012 13:48

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-41546-B-19-A		460-117776	460-116894	06/20/2012 22:55	1	TAL EDI	FJ
A:8260B	460-41546-B-19-A		460-117776	460-116894	06/28/2012 12:00	1	TAL EDI	AT
P:3541	460-41546-D-19-A		460-117976	460-117106	06/22/2012 08:49	1	TAL EDI	hp
A:8270C	460-41546-D-19-A		460-117976	460-117106	06/26/2012 11:13	1	TAL EDI	MC
P:3541	460-41546-D-19-C		460-117505	460-117130	06/22/2012 09:49	1	TAL EDI	ARA
A:8081A	460-41546-D-19-C		460-117505	460-117130	06/25/2012 09:12	1	TAL EDI	FM
P:3541	460-41546-D-19-B		460-117335	460-117107	06/22/2012 08:50	1	TAL EDI	ARA
A:8082	460-41546-D-19-B		460-117335	460-117107	06/24/2012 21:47	1	TAL EDI	CS
P:3050B	460-41546-D-19-E ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-D-19-E ^4		460-117953	460-117773	06/28/2012 23:55	4	TAL EDI	CDC
P:7471A	460-41546-D-19-D		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-D-19-D		460-117216	460-117199	06/22/2012 20:43	1	TAL EDI	TS
P:9012A	460-41546-D-19-F		460-118452	460-118408	07/03/2012 06:30	1	TAL EDI	IA
A:9012A	460-41546-D-19-F		460-118452	460-118408	07/03/2012 12:02	1	TAL EDI	HV
A:Moisture	460-41546-D-19		460-117070		06/22/2012 00:55	1	TAL EDI	SB

Lab ID: 460-41546-20

Client ID: F-11

Sample Date/Time: 06/20/2012 13:52

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-41546-B-20-A		460-117776	460-116894	06/20/2012 22:56	1	TAL EDI	FJ
A:8260B	460-41546-B-20-A		460-117776	460-116894	06/28/2012 12:25	1	TAL EDI	AT
P:3541	460-41546-D-20-A		460-117489	460-117111	06/22/2012 08:58	1	TAL EDI	hp
A:8270C	460-41546-D-20-A		460-117489	460-117111	06/25/2012 14:45	1	TAL EDI	CZ
P:3541	460-41546-D-20-C		460-117505	460-117130	06/22/2012 09:49	1	TAL EDI	ARA
A:8081A	460-41546-D-20-C		460-117505	460-117130	06/25/2012 09:26	1	TAL EDI	FM
P:3541	460-41546-D-20-B		460-117335	460-117107	06/22/2012 08:50	1	TAL EDI	ARA
A:8082	460-41546-D-20-B		460-117335	460-117107	06/24/2012 22:03	1	TAL EDI	CS
P:3050B	460-41546-D-20-E ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-D-20-E ^4		460-117953	460-117773	06/28/2012 23:58	4	TAL EDI	CDC
P:7471A	460-41546-D-20-D		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-D-20-D		460-117216	460-117199	06/22/2012 20:45	1	TAL EDI	TS
P:9012A	460-41546-D-20-F		460-118452	460-118408	07/03/2012 06:30	1	TAL EDI	IA
A:9012A	460-41546-D-20-F		460-118452	460-118408	07/03/2012 12:03	1	TAL EDI	HV
A:Moisture	460-41546-D-20		460-117070		06/22/2012 00:55	1	TAL EDI	SB

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-21

Client ID: F-12

Sample Date/Time: 06/20/2012 15:10

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-41546-B-21-A		460-117776	460-116894	06/20/2012 22:57	1	TAL EDI	FJ
A:8260B	460-41546-B-21-A		460-117776	460-116894	06/28/2012 09:31	1	TAL EDI	AT
P:3541	460-41546-D-21-C		460-117976	460-117106	06/22/2012 08:49	1	TAL EDI	hp
A:8270C	460-41546-D-21-C		460-117976	460-117106	06/26/2012 11:36	1	TAL EDI	MC
P:3541	460-41546-D-21-I		460-117505	460-117130	06/22/2012 09:49	1	TAL EDI	ARA
A:8081A	460-41546-D-21-I		460-117505	460-117130	06/25/2012 08:30	1	TAL EDI	FM
P:3541	460-41546-D-21-F		460-117335	460-117107	06/22/2012 08:50	1	TAL EDI	ARA
A:8082	460-41546-D-21-F		460-117335	460-117107	06/24/2012 18:35	1	TAL EDI	CS
P:3050B	460-41546-D-21-M ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-D-21-M ^4		460-117953	460-117773	06/28/2012 22:25	4	TAL EDI	CDC
P:7471A	460-41546-D-21-J		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-D-21-J		460-117216	460-117199	06/22/2012 20:06	1	TAL EDI	TS
P:9012A	460-41546-D-21-R		460-118452	460-118408	07/03/2012 06:30	1	TAL EDI	IA
A:9012A	460-41546-D-21-R		460-118452	460-118408	07/03/2012 11:57	1	TAL EDI	HV
A:Moisture	460-41546-D-21		460-117070		06/22/2012 00:55	1	TAL EDI	SB

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-21

Client ID: F-12

Sample Date/Time: 06/20/2012 15:10

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-41546-B-21-B MS		460-117776	460-116894	06/20/2012 22:58	1	TAL EDI	FJ
A:8260B	460-41546-B-21-B MS		460-117776	460-116894	06/28/2012 09:56	1	TAL EDI	AT
P:3541	460-41546-D-21-A MS		460-117977	460-117106	06/22/2012 08:49	1	TAL EDI	hp
A:8270C	460-41546-D-21-A MS		460-117977	460-117106	06/27/2012 14:49	1	TAL EDI	MC
P:3541	460-41546-D-21-G MS		460-117505	460-117130	06/22/2012 09:49	1	TAL EDI	ARA
A:8081A	460-41546-D-21-G MS		460-117505	460-117130	06/25/2012 08:03	1	TAL EDI	FM
P:3541	460-41546-D-21-D MS		460-117335	460-117107	06/22/2012 08:50	1	TAL EDI	ARA
A:8082	460-41546-D-21-D MS		460-117335	460-117107	06/24/2012 18:03	1	TAL EDI	CS
P:3050B	460-41546-D-21-O MS ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-D-21-O MS ^4		460-117953	460-117773	06/28/2012 22:33	4	TAL EDI	CDC
P:7471A	460-41546-D-21-L MS		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-D-21-L MS		460-117216	460-117199	06/22/2012 20:10	1	TAL EDI	TS
P:9012A	460-41546-D-21-P MS		460-118452	460-118408	07/03/2012 06:30	1	TAL EDI	IA
A:9012A	460-41546-D-21-P MS		460-118452	460-118408	07/03/2012 11:54	1	TAL EDI	HV
A:Moisture	460-41546-D-21 MS		460-117070		06/22/2012 00:55	1	TAL EDI	SB

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-21

Client ID: F-12

Sample Date/Time: 06/20/2012 15:10

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-41546-B-21-C MSD		460-117776	460-116894	06/20/2012 22:59	1	TAL EDI	FJ
A:8260B	460-41546-B-21-C MSD		460-117776	460-116894	06/28/2012 10:21	1	TAL EDI	AT
P:3541	460-41546-D-21-B MSD		460-117977	460-117106	06/22/2012 08:49	1	TAL EDI	hp
A:8270C	460-41546-D-21-B MSD		460-117977	460-117106	06/27/2012 15:13	1	TAL EDI	MC
P:3541	460-41546-D-21-H MSD		460-117505	460-117130	06/22/2012 09:49	1	TAL EDI	ARA
A:8081A	460-41546-D-21-H MSD		460-117505	460-117130	06/25/2012 08:17	1	TAL EDI	FM
P:3541	460-41546-D-21-E MSD		460-117335	460-117107	06/22/2012 08:50	1	TAL EDI	ARA
A:8082	460-41546-D-21-E MSD		460-117335	460-117107	06/24/2012 18:19	1	TAL EDI	CS
P:9012A	460-41546-D-21-Q MSD		460-118452	460-118408	07/03/2012 06:30	1	TAL EDI	IA
A:9012A	460-41546-D-21-Q MSD		460-118452	460-118408	07/03/2012 11:55	1	TAL EDI	HV
A:Moisture	460-41546-D-21 MSD		460-117070		06/22/2012 00:55	1	TAL EDI	SB

Lab ID: 460-41546-21

Client ID: F-12

Sample Date/Time: 06/20/2012 15:10

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-D-21-N DU ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-D-21-N DU ^4		460-117953	460-117773	06/28/2012 22:22	4	TAL EDI	CDC
P:7471A	460-41546-D-21-K DU		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-D-21-K DU		460-117216	460-117199	06/22/2012 20:08	1	TAL EDI	TS
A:Moisture	460-41546-D-21 DU		460-117070		06/22/2012 00:55	1	TAL EDI	SB

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-21 SD

Client ID: F-12

Sample Date/Time: 06/20/2012 15:10

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-41546-D-21-M SD ^20		460-117953	460-117773	06/28/2012 07:32	20	TAL EDI	MC
A:6010B	460-41546-D-21-M SD ^20		460-117953	460-117773	06/28/2012 22:29	20	TAL EDI	CDC
P:3050B	460-41546-D-21-M PDS ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-D-21-M PDS ^4		460-117953	460-117773	06/28/2012 22:36	4	TAL EDI	CDC
P:7471A	460-41546-D-21-J SD		460-117216	460-117199	06/22/2012 16:00	5	TAL EDI	TS
A:7471A	460-41546-D-21-J SD		460-117216	460-117199	06/22/2012 20:55	5	TAL EDI	TS

Lab ID: 460-41546-22

Client ID: F-13

Sample Date/Time: 06/20/2012 15:20

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-41546-B-22-A		460-117776	460-116894	06/20/2012 23:00	1	TAL EDI	FJ
A:8260B	460-41546-B-22-A		460-117776	460-116894	06/28/2012 12:50	1	TAL EDI	AT
P:3541	460-41546-D-22-A		460-117489	460-117111	06/22/2012 08:58	1	TAL EDI	hp
A:8270C	460-41546-D-22-A		460-117489	460-117111	06/25/2012 22:11	1	TAL EDI	CZ
P:3541	460-41546-D-22-C		460-117505	460-117130	06/22/2012 09:49	1	TAL EDI	ARA
A:8081A	460-41546-D-22-C		460-117505	460-117130	06/25/2012 09:40	1	TAL EDI	FM
P:3541	460-41546-D-22-B		460-117335	460-117107	06/22/2012 08:50	1	TAL EDI	ARA
A:8082	460-41546-D-22-B		460-117335	460-117107	06/24/2012 22:19	1	TAL EDI	CS
P:3050B	460-41546-D-22-E ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-D-22-E ^4		460-117953	460-117773	06/29/2012 00:02	4	TAL EDI	CDC
P:7471A	460-41546-D-22-D		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-D-22-D		460-117216	460-117199	06/22/2012 20:47	1	TAL EDI	TS
P:9012A	460-41546-D-22-F		460-118452	460-118408	07/03/2012 06:30	1	TAL EDI	IA
A:9012A	460-41546-D-22-F		460-118452	460-118408	07/03/2012 12:05	1	TAL EDI	HV
A:Moisture	460-41546-D-22		460-117070		06/22/2012 00:55	1	TAL EDI	SB

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: 460-41546-23

Client ID: FB-E

Sample Date/Time: 06/20/2012 00:00

Received Date/Time: 06/20/2012 17:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-41546-B-23-A		460-117776	460-116894	06/20/2012 23:01	1	TAL EDI	FJ
A:8260B	460-41546-B-23-A		460-117776	460-116894	06/28/2012 13:15	1	TAL EDI	AT
P:3541	460-41546-D-23-A		460-117489	460-117111	06/22/2012 08:58	1	TAL EDI	hp
A:8270C	460-41546-D-23-A		460-117489	460-117111	06/25/2012 15:06	1	TAL EDI	CZ
P:3541	460-41546-D-23-C		460-117505	460-117130	06/22/2012 09:49	1	TAL EDI	ARA
A:8081A	460-41546-D-23-C		460-117505	460-117130	06/25/2012 09:54	1	TAL EDI	FM
P:3541	460-41546-D-23-B		460-117335	460-117107	06/22/2012 08:50	1	TAL EDI	ARA
A:8082	460-41546-D-23-B		460-117335	460-117107	06/24/2012 22:35	1	TAL EDI	CS
P:3050B	460-41546-D-23-E ^4		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-41546-D-23-E ^4		460-117953	460-117773	06/29/2012 00:06	4	TAL EDI	CDC
P:7471A	460-41546-D-23-D		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	460-41546-D-23-D		460-117216	460-117199	06/22/2012 20:49	1	TAL EDI	TS
P:9012A	460-41546-D-23-F		460-118452	460-118408	07/03/2012 06:30	1	TAL EDI	IA
A:9012A	460-41546-D-23-F		460-118452	460-118408	07/03/2012 12:06	1	TAL EDI	HV
A:Moisture	460-41546-D-23		460-117070		06/22/2012 00:55	1	TAL EDI	SB

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	MB 460-117776/5		460-117776		06/28/2012 07:27	1	TAL EDI	AT
P:3541	MB 460-117111/1-A		460-117489	460-117111	06/22/2012 08:58	1	TAL EDI	hp
A:8270C	MB 460-117111/1-A		460-117489	460-117111	06/25/2012 13:42	1	TAL EDI	CZ
P:3541	MB 460-117106/1-A		460-117976	460-117106	06/22/2012 08:49	1	TAL EDI	hp
A:8270C	MB 460-117106/1-A		460-117976	460-117106	06/26/2012 10:02	1	TAL EDI	MC
P:3541	MB 460-117130/1-A		460-117505	460-117130	06/22/2012 09:49	1	TAL EDI	ARA
A:8081A	MB 460-117130/1-A		460-117505	460-117130	06/25/2012 12:06	1	TAL EDI	FM
P:3541	MB 460-117107/1-A		460-117335	460-117107	06/22/2012 08:50	1	TAL EDI	ARA
A:8082	MB 460-117107/1-A		460-117335	460-117107	06/24/2012 17:31	1	TAL EDI	CS
P:3050B	MB 460-117772/1-A		460-117953	460-117772	06/28/2012 07:17	2	TAL EDI	MC
A:6010B	MB 460-117772/1-A		460-117953	460-117772	06/28/2012 20:45	2	TAL EDI	CDC
P:3050B	MB 460-117773/1-A		460-117953	460-117773	06/28/2012 07:32	2	TAL EDI	MC
A:6010B	MB 460-117773/1-A		460-117953	460-117773	06/28/2012 22:54	2	TAL EDI	CDC
P:7471A	MB 460-117140/1-A		460-117198	460-117140	06/22/2012 10:41	1	TAL EDI	RBS
A:7471A	MB 460-117140/1-A		460-117198	460-117140	06/22/2012 14:53	1	TAL EDI	RBS
P:7471A	MB 460-117199/10-A		460-117216	460-117199	06/22/2012 16:00	1	TAL EDI	TS
A:7471A	MB 460-117199/10-A		460-117216	460-117199	06/22/2012 20:00	1	TAL EDI	TS
P:9012A	MB 460-118174/1-A		460-118178	460-118174	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	MB 460-118174/1-A		460-118178	460-118174	07/01/2012 13:55	1	TAL EDI	HV
P:9012A	MB 460-118173/1-A		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	MB 460-118173/1-A		460-118178	460-118173	07/01/2012 14:06	1	TAL EDI	HV
P:9012A	MB 460-118311/1-A		460-118346	460-118311	07/02/2012 10:30	1	TAL EDI	IA
A:9012A	MB 460-118311/1-A		460-118346	460-118311	07/02/2012 14:44	1	TAL EDI	HV
P:9012A	MB 460-118323/1-A		460-118346	460-118323	07/02/2012 10:30	1	TAL EDI	IA
A:9012A	MB 460-118323/1-A		460-118346	460-118323	07/02/2012 15:03	1	TAL EDI	HV
P:9012A	MB 460-118408/1-A		460-118452	460-118408	07/03/2012 06:30	1	TAL EDI	IA
A:9012A	MB 460-118408/1-A		460-118452	460-118408	07/03/2012 11:51	1	TAL EDI	HV

Lab ID: LB3

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:5035	LB3 460-116894/1-A		460-117776	460-116894	06/20/2012 22:52	1	TAL EDI	FJ
A:8260B	LB3 460-116894/1-A		460-117776	460-116894	06/28/2012 07:02	1	TAL EDI	AT

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

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 460-117776/3		460-117776		06/28/2012 05:11	1	TAL EDI	AT
P:3541	LCS 460-117111/2-A		460-117489	460-117111	06/22/2012 08:58	1	TAL EDI	hp
A:8270C	LCS 460-117111/2-A		460-117489	460-117111	06/25/2012 15:26	1	TAL EDI	CZ
P:3541	LCS 460-117106/2-A		460-117976	460-117106	06/22/2012 08:49	1	TAL EDI	hp
A:8270C	LCS 460-117106/2-A		460-117976	460-117106	06/26/2012 10:26	1	TAL EDI	MC
P:3541	LCS 460-117130/2-A		460-117505	460-117130	06/22/2012 09:49	1	TAL EDI	ARA
A:8081A	LCS 460-117130/2-A		460-117505	460-117130	06/25/2012 07:48	1	TAL EDI	FM
P:3541	LCS 460-117107/2-A		460-117335	460-117107	06/22/2012 08:50	1	TAL EDI	ARA
A:8082	LCS 460-117107/2-A		460-117335	460-117107	06/24/2012 17:47	1	TAL EDI	CS

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		460-117953	460-117772	06/28/2012 07:17	4	TAL EDI	MC
A:6010B	460-117772/2-A ^4		460-117953	460-117772	06/28/2012 20:35	4	TAL EDI	CDC
P:3050B	LCSSRM		460-117953	460-117773	06/28/2012 07:32	4	TAL EDI	MC
A:6010B	460-117773/2-A ^4		460-117953	460-117773	06/28/2012 22:43	4	TAL EDI	CDC
P:7471A	LCSSRM		460-117198	460-117140	06/22/2012 10:41	20	TAL EDI	RBS
A:7471A	460-117140/2-A ^20		460-117198	460-117140	06/22/2012 14:55	20	TAL EDI	RBS
P:7471A	LCSSRM		460-117216	460-117199	06/22/2012 16:00	10	TAL EDI	TS
A:7471A	460-117199/11-A ^10		460-117216	460-117199	06/22/2012 20:04	10	TAL EDI	TS

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: LLCS

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:9012A	LLCS		460-118178	460-118174	07/01/2012 11:30	1	TAL EDI	HV
	460-118174/2-A							
A:9012A	LLCS		460-118178	460-118174	07/01/2012 13:56	1	TAL EDI	HV
	460-118174/2-A							
P:9012A	LLCS		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
	460-118173/2-A							
A:9012A	LLCS		460-118178	460-118173	07/01/2012 14:07	1	TAL EDI	HV
	460-118173/2-A							
P:9012A	LLCS		460-118346	460-118311	07/02/2012 10:30	1	TAL EDI	IA
	460-118311/2-A							
A:9012A	LLCS		460-118346	460-118311	07/02/2012 14:45	1	TAL EDI	HV
	460-118311/2-A							
P:9012A	LLCS		460-118346	460-118323	07/02/2012 10:30	1	TAL EDI	IA
	460-118323/2-A							
A:9012A	LLCS		460-118346	460-118323	07/02/2012 15:04	1	TAL EDI	HV
	460-118323/2-A							
P:9012A	LLCS		460-118452	460-118408	07/03/2012 06:30	1	TAL EDI	IA
	460-118408/2-A							
A:9012A	LLCS		460-118452	460-118408	07/03/2012 11:52	1	TAL EDI	HV
	460-118408/2-A							

Lab ID: HLCS

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:9012A	HLCS		460-118178	460-118174	07/01/2012 11:30	1	TAL EDI	HV
	460-118174/3-A							
A:9012A	HLCS		460-118178	460-118174	07/01/2012 13:57	1	TAL EDI	HV
	460-118174/3-A							
P:9012A	HLCS		460-118178	460-118173	07/01/2012 11:30	1	TAL EDI	HV
	460-118173/3-A							
A:9012A	HLCS		460-118178	460-118173	07/01/2012 14:08	1	TAL EDI	HV
	460-118173/3-A							
P:9012A	HLCS		460-118346	460-118311	07/02/2012 10:30	1	TAL EDI	IA
	460-118311/3-A							
A:9012A	HLCS		460-118346	460-118311	07/02/2012 14:46	1	TAL EDI	HV
	460-118311/3-A							
P:9012A	HLCS		460-118346	460-118323	07/02/2012 10:30	1	TAL EDI	IA
	460-118323/3-A							
A:9012A	HLCS		460-118346	460-118323	07/02/2012 15:08	1	TAL EDI	HV
	460-118323/3-A							
P:9012A	HLCS		460-118452	460-118408	07/03/2012 06:30	1	TAL EDI	IA
	460-118408/3-A							
A:9012A	HLCS		460-118452	460-118408	07/03/2012 11:53	1	TAL EDI	HV
	460-118408/3-A							

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: MS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	460-41556-A-10-A MS	DL	460-117507	460-117111	06/22/2012 08:58	100	TAL EDI	hp
A:8270C	460-41556-A-10-A MS	DL	460-117507	460-117111	06/26/2012 10:51	100	TAL EDI	CZ
P:3050B	460-41778-B-1-D MS ^4		460-117953	460-117772	06/28/2012 07:17	4	TAL EDI	MC
A:6010B	460-41778-B-1-D MS ^4		460-117953	460-117772	06/28/2012 20:52	4	TAL EDI	CDC
P:9012A	460-41547-E-1-G MS		460-118178	460-118174	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41547-E-1-G MS		460-118178	460-118174	07/01/2012 13:58	1	TAL EDI	HV

Lab ID: MSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	460-41556-A-10-B MSD	DL	460-117507	460-117111	06/22/2012 08:58	100	TAL EDI	hp
A:8270C	460-41556-A-10-B MSD	DL	460-117507	460-117111	06/26/2012 11:11	100	TAL EDI	CZ
P:9012A	460-41547-E-1-H MSD		460-118178	460-118174	07/01/2012 11:30	1	TAL EDI	HV
A:9012A	460-41547-E-1-H MSD		460-118178	460-118174	07/01/2012 13:59	1	TAL EDI	HV

Lab ID: DU

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	460-41778-B-1-C DU ^4		460-117953	460-117772	06/28/2012 07:17	4	TAL EDI	MC
A:6010B	460-41778-B-1-C DU ^4		460-117953	460-117772	06/28/2012 20:27	4	TAL EDI	CDC

Quality Control Results

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Laboratory Chronicle

Lab ID: SD

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	460-41778-B-1-B SD ^20		460-117953	460-117772	06/28/2012 07:17	20	TAL EDI	MC
A:6010B	460-41778-B-1-B SD ^20		460-117953	460-117772	06/28/2012 20:49	20	TAL EDI	CDC
P:3050B	460-41778-B-1-B PDS ^4		460-117953	460-117772	06/28/2012 07:17	4	TAL EDI	MC
A:6010B	460-41778-B-1-B PDS ^4		460-117953	460-117772	06/28/2012 20:56	4	TAL EDI	CDC

Lab References:

TAL EDI = TestAmerica Edison

Method 8260B

Volatile Organic Compounds (GC/MS)
by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low
GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
F-8	460-41546-17	109	96	101
F-9	460-41546-18	103	96	98
F-10	460-41546-19	101	97	100
F-11	460-41546-20	109	96	97
F-12	460-41546-21	114	94	97
F-13	460-41546-22	112	94	101
FB-E	460-41546-23	107	96	97
	MB 460-117776/5	100	96	98
	LB3 460-116894/1-A	88	81	81
	LCS 460-117776/3	96	101	105
F-12 MS	460-41546-21 MS	100	97	100
F-12 MSD	460-41546-21 MSD	99	97	101

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: o61630.d
Lab ID: LCS 460-117776/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethene	20.0	19.4	97	71-126	
1,1-Dichloroethane	20.0	18.9	94	76-125	
1,2-Dichloroethane	20.0	18.4	92	76-118	
1,1,1-Trichloroethane	20.0	20.2	101	78-117	
2-Butanone	20.0	20.4	102	77-117	
Acetone	20.0	21.1	105	27-164	
Benzene	20.0	20.2	101	77-117	
Bromoform	20.0	17.2	86	59-125	
Bromomethane	20.0	19.6	98	54-142	
2-Hexanone	20.0	18.8	94	70-122	
Carbon disulfide	20.0	19.0	95	72-128	
Carbon tetrachloride	20.0	20.5	102	79-118	
Chlorobenzene	20.0	19.2	96	80-120	
Chloroethane	20.0	20.6	103	56-146	
1,4-Dioxane	150	145	97	69-131	
Chloroform	20.0	19.8	99	77-120	
Chloromethane	20.0	25.1	126	50-151	
cis-1,2-Dichloroethene	20.0	19.7	98	80-120	
4-Methyl-2-pentanone	20.0	19.7	99	68-120	
Cyclohexane	20.0	20.1	100	80-121	
cis-1,3-Dichloropropene	20.0	20.4	102	80-123	
1,2-Dichlorobenzene	20.0	18.9	94	80-120	
1,3-Dichlorobenzene	20.0	19.3	96	80-120	
Ethylbenzene	20.0	20.1	100	81-121	
1,4-Dichlorobenzene	20.0	18.7	93	80-120	
Freon TF	20.0	20.2	101	73-123	
1,2,4-Trichlorobenzene	20.0	19.8	99	80-120	
Isopropylbenzene	20.0	19.9	99	65-129	
1,2,3-Trichlorobenzene	20.0	18.8	94	75-121	
1,2-Dichloropropane	20.0	19.8	99	82-122	
Methyl acetate	20.0	21.7	108	73-137	
Methylcyclohexane	20.0	21.1	106	78-118	
Methylene Chloride	20.0	22.2	111	74-137	
1,2-Dibromo-3-Chloropropane	20.0	15.8	79	74-118	
MTBE	20.0	19.8	99	78-120	
1,1,2,2-Tetrachloroethane	20.0	18.4	92	79-122	
1,1,2-Trichloroethane	20.0	18.8	94	73-118	
Styrene	20.0	19.0	95	82-122	
Dibromochloromethane	20.0	16.9	84	68-120	
Tetrachloroethene	20.0	20.7	103	80-120	
1,2-Dibromoethane	20.0	19.4	97	75-117	
Toluene	20.0	19.3	96	75-115	

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.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: o61630.d
Lab ID: LCS 460-117776/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	20.0	21.5	107	52-144	
trans-1,2-Dichloroethene	20.0	19.8	99	75-122	
Bromochloromethane	20.0	21.9	109	74-125	
trans-1,3-Dichloropropene	20.0	16.4	82	67-121	
Bromodichloromethane	20.0	20.5	103	79-119	
Trichloroethene	20.0	20.8	104	79-119	
Trichlorofluoromethane	20.0	20.4	102	61-139	
Vinyl chloride	20.0	21.6	108	67-133	
Xylenes, Total	60.0	58.0	97	82-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: o61640.d
Lab ID: 460-41546-21 MS Client ID: F-12 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.6	0.17 U	27.6	108	78-117	
1,1,2,2-Tetrachloroethane	25.6	0.12 U	22.0	86	79-122	
1,1,2-Trichloroethane	25.6	0.18 U	22.5	88	73-118	
1,1-Dichloroethane	25.6	0.15 U	27.0	106	76-125	
1,1-Dichloroethene	25.6	0.25 U	28.0	109	71-126	
1,2,3-Trichlorobenzene	25.6	0.21 U	20.5	80	75-121	
1,2,4-Trichlorobenzene	25.6	0.25 U	21.7	85	80-120	
1,2-Dibromo-3-Chloropropane	25.6	0.58 U	19.0	75	74-118	
1,2-Dibromoethane	25.6	0.20 U	23.1	90	75-117	
1,2-Dichlorobenzene	25.6	0.13 U	22.9	90	80-120	
1,2-Dichloroethane	25.6	0.24 U	25.5	100	76-118	
1,2-Dichloropropane	25.6	0.20 U	25.9	101	82-122	
1,3-Dichlorobenzene	25.6	0.21 U	22.9	90	80-120	
1,4-Dichlorobenzene	25.6	0.15 U	22.8	89	80-120	
1,4-Dioxane	192	17 U	183	95	69-131	
2-Butanone	25.6	0.83 U	18.5	72	77-117	F
2-Hexanone	25.6	0.17 U	18.1	71	70-122	
4-Methyl-2-pentanone	25.6	0.26 U	21.2	83	68-120	
Acetone	25.6	5.3 J	29.9	96	27-164	
Benzene	25.6	0.20 U	26.3	103	77-117	
Bromochloromethane	25.6	0.15 U	31.4	123	74-125	
Bromodichloromethane	25.6	0.42 U	27.5	107	79-119	
Bromoform	25.6	0.22 U	21.0	82	59-125	
Bromomethane	25.6	0.57 U	25.2	99	54-142	
Carbon disulfide	25.6	0.20 U	24.3	95	72-128	
Carbon tetrachloride	25.6	0.20 U	27.6	108	79-118	
Chlorobenzene	25.6	0.24 U	24.6	96	80-120	
Chloroethane	25.6	0.44 U	24.8	97	56-146	
Chloroform	25.6	0.32 U	27.2	106	77-120	
Chloromethane	25.6	0.21 U	27.2	106	50-151	
cis-1,2-Dichloroethene	25.6	0.15 U	27.3	107	80-120	
cis-1,3-Dichloropropene	25.6	0.18 U	25.4	99	80-123	
Cyclohexane	25.6	0.17 U	25.8	101	80-121	
Dibromochloromethane	25.6	0.13 U	20.8	82	68-120	
Dichlorodifluoromethane	25.6	0.29 U	19.6	77	52-144	
Ethylbenzene	25.6	0.22 U	25.5	100	81-121	
Freon TF	25.6	0.15 U	28.3	111	73-123	
Isopropylbenzene	25.6	0.15 U	24.5	96	65-129	
Methyl acetate	25.6	0.42 U	47.4	186	73-137	F
Methylcyclohexane	25.6	0.13 U	23.4	92	78-118	
Methylene Chloride	25.6	8.0	34.3	103	74-137	
MTBE	25.6	0.15 U	23.3	91	78-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: o61640.d
 Lab ID: 460-41546-21 MS Client ID: F-12 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Styrene	25.6	0.37 U	23.3	91	82-122	
Tetrachloroethene	25.6	0.16 U	26.5	104	80-120	
Toluene	25.6	0.18 U	24.2	95	75-115	
trans-1,2-Dichloroethene	25.6	0.17 U	26.8	105	75-122	
trans-1,3-Dichloropropene	25.6	0.13 U	18.8	74	67-121	
Trichloroethene	25.6	0.16 U	27.2	107	79-119	
Trichlorofluoromethane	25.6	0.21 U	23.8	93	61-139	
Vinyl chloride	25.6	0.45 U	23.8	93	67-133	
Xylenes, Total	76.7	0.88 U	71.7	94	82-122	

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.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: o61641.d
Lab ID: 460-41546-21 MSD Client ID: F-12 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	25.4	26.7	105	3	30	78-117	
1,1,2,2-Tetrachloroethane	25.4	22.5	89	2	30	79-122	
1,1,2-Trichloroethane	25.4	22.8	90	1	30	73-118	
1,1-Dichloroethane	25.4	25.4	100	6	30	76-125	
1,1-Dichloroethene	25.4	26.6	105	5	30	71-126	
1,2,3-Trichlorobenzene	25.4	20.6	81	1	30	75-121	
1,2,4-Trichlorobenzene	25.4	21.1	83	3	30	80-120	
1,2-Dibromo-3-Chloropropane	25.4	19.7	78	3	30	74-118	
1,2-Dibromoethane	25.4	23.6	93	2	30	75-117	
1,2-Dichlorobenzene	25.4	23.0	91	0	30	80-120	
1,2-Dichloroethane	25.4	24.9	98	2	30	76-118	
1,2-Dichloropropane	25.4	25.1	99	3	30	82-122	
1,3-Dichlorobenzene	25.4	23.3	92	2	30	80-120	
1,4-Dichlorobenzene	25.4	22.7	89	1	30	80-120	
1,4-Dioxane	190	191	100	4	30	69-131	
2-Butanone	25.4	24.0	95	26	30	77-117	
2-Hexanone	25.4	20.0	79	10	30	70-122	
4-Methyl-2-pentanone	25.4	22.8	90	7	30	68-120	
Acetone	25.4	30.8	100	3	30	27-164	
Benzene	25.4	26.1	103	1	30	77-117	
Bromochloromethane	25.4	29.5	116	6	30	74-125	
Bromodichloromethane	25.4	27.0	106	2	30	79-119	
Bromoform	25.4	21.1	83	1	30	59-125	
Bromomethane	25.4	24.7	97	2	30	54-142	
Carbon disulfide	25.4	23.0	91	5	30	72-128	
Carbon tetrachloride	25.4	27.1	107	2	30	79-118	
Chlorobenzene	25.4	24.2	95	2	30	80-120	
Chloroethane	25.4	24.0	94	4	30	56-146	
Chloroform	25.4	26.4	104	3	30	77-120	
Chloromethane	25.4	26.5	104	2	30	50-151	
cis-1,2-Dichloroethene	25.4	25.7	101	6	30	80-120	
cis-1,3-Dichloropropene	25.4	25.8	102	2	30	80-123	
Cyclohexane	25.4	25.0	99	3	30	80-121	
Dibromochloromethane	25.4	21.1	83	1	30	68-120	
Dichlorodifluoromethane	25.4	19.2	76	2	30	52-144	
Ethylbenzene	25.4	24.4	96	4	30	81-121	
Freon TF	25.4	28.3	112	0	30	73-123	
Isopropylbenzene	25.4	24.1	95	1	30	65-129	
Methyl acetate	25.4	45.5	179	4	30	73-137	F
Methylcyclohexane	25.4	23.3	92	1	30	78-118	
Methylene Chloride	25.4	33.0	98	4	30	74-137	
MTBE	25.4	24.0	94	3	30	78-120	

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.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: o61641.d
 Lab ID: 460-41546-21 MSD Client ID: F-12 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Styrene	25.4	23.7	94	2	30	82-122	
Tetrachloroethene	25.4	25.6	101	3	30	80-120	
Toluene	25.4	23.5	93	3	30	75-115	
trans-1,2-Dichloroethene	25.4	25.5	100	5	30	75-122	
trans-1,3-Dichloropropene	25.4	19.2	76	2	30	67-121	
Trichloroethene	25.4	27.3	108	0	30	79-119	
Trichlorofluoromethane	25.4	23.5	93	1	30	61-139	
Vinyl chloride	25.4	22.4	88	6	30	67-133	
Xylenes, Total	76.1	71.5	94	0	30	82-122	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab File ID: o61634.d Lab Sample ID: MB 460-117776/5
 Matrix: Solid Heated Purge: (Y/N) Y
 Instrument ID: VOAMS12 Date Analyzed: 06/28/2012 07:27
 GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-117776/3	o61630.d	06/28/2012 05:11
	LB3 460-116894/1-A	o61633.d	06/28/2012 07:02
F-12	460-41546-21	o61639.d	06/28/2012 09:31
F-12 MS	460-41546-21 MS	o61640.d	06/28/2012 09:56
F-12 MSD	460-41546-21 MSD	o61641.d	06/28/2012 10:21
F-8	460-41546-17	o61643.d	06/28/2012 11:11
F-9	460-41546-18	o61644.d	06/28/2012 11:35
F-10	460-41546-19	o61645.d	06/28/2012 12:00
F-11	460-41546-20	o61646.d	06/28/2012 12:25
F-13	460-41546-22	o61647.d	06/28/2012 12:50
FB-E	460-41546-23	o61648.d	06/28/2012 13:15

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Lab File ID: o61386.d BFB Injection Date: 06/21/2012
Instrument ID: VOAMS12 BFB Injection Time: 18:14
Analysis Batch No.: 117082

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.0
75	30.0 - 60.0 % of mass 95	50.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.1
173	Less than 2.0 % of mass 174	0.8 (1.0) 1
174	50.0 - 120.00 % of mass 95	75.4
175	5.0 - 9.0 % of mass 174	6.0 (8.0) 1
176	95.0 - 101.0 % of mass 174	73.5 (97.5) 1
177	5.0 - 9.0 % of mass 176	4.8 (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 460-117082/2	o61389.d	06/21/2012	19:31
	ICIS 460-117082/3	o61390.d	06/21/2012	19:56
	IC 460-117082/4	o61391.d	06/21/2012	20:21
	IC 460-117082/5	o61392.d	06/21/2012	20:46
	IC 460-117082/6	o61393.d	06/21/2012	21:11
	IC 460-117082/7	o61398.d	06/21/2012	23:37

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Lab File ID: o61628.d BFB Injection Date: 06/28/2012
Instrument ID: VOAMS12 BFB Injection Time: 04:15
Analysis Batch No.: 117776

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.1
75	30.0 - 60.0 % of mass 95	49.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	1.1 (1.2) 1
174	50.0 - 120.00 % of mass 95	86.8
175	5.0 - 9.0 % of mass 174	6.6 (7.7) 1
176	95.0 - 101.0 % of mass 174	83.6 (96.2) 1
177	5.0 - 9.0 % of mass 176	5.5 (6.6) 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 460-117776/2	o61629.d	06/28/2012	04:46
	LCS 460-117776/3	o61630.d	06/28/2012	05:11
	LB3 460-116894/1-A	o61633.d	06/28/2012	07:02
	MB 460-117776/5	o61634.d	06/28/2012	07:27
F-12	460-41546-21	o61639.d	06/28/2012	09:31
F-12 MS	460-41546-21 MS	o61640.d	06/28/2012	09:56
F-12 MSD	460-41546-21 MSD	o61641.d	06/28/2012	10:21
F-8	460-41546-17	o61643.d	06/28/2012	11:11
F-9	460-41546-18	o61644.d	06/28/2012	11:35
F-10	460-41546-19	o61645.d	06/28/2012	12:00
F-11	460-41546-20	o61646.d	06/28/2012	12:25
F-13	460-41546-22	o61647.d	06/28/2012	12:50
FB-E	460-41546-23	o61648.d	06/28/2012	13:15

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Sample No.: CCVIS 460-117776/2 Date Analyzed: 06/28/2012 04:46
 Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): o61629.d Heated Purge: (Y/N) Y
 Calibration ID: 16130

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1049234	3.70	761876	7.27	412077	10.94
UPPER LIMIT		2098468	4.20	1523752	7.77	824154	11.44
LOWER LIMIT		524617	3.20	380938	6.77	206039	10.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-117776/3		994473	3.70	722034	7.27	396298	10.94
LB3 460-116894/1-A		810736	3.70	639198	7.27	376739	10.94
MB 460-117776/5		797358	3.70	621766	7.27	363507	10.94
460-41546-21	F-12	716233	3.71	627867	7.27	389179	10.94
460-41546-21 MS	F-12 MS	895474	3.71	684988	7.27	385671	10.94
460-41546-21 MSD	F-12 MSD	922714	3.71	699564	7.27	386651	10.94
460-41546-17	F-8	795224	3.71	652473	7.27	381076	10.94
460-41546-18	F-9	834657	3.71	664421	7.27	393122	10.94
460-41546-19	F-10	872671	3.71	668139	7.28	387407	10.94
460-41546-20	F-11	752489	3.71	616330	7.27	379932	10.94
460-41546-22	F-13	749838	3.71	595711	7.27	350797	10.94
460-41546-23	FB-E	771478	3.71	629497	7.27	395217	10.94

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.: 460-41546-1

SDG No.: _____

Client Sample ID: F-8 Lab Sample ID: 460-41546-17

Matrix: Solid Lab File ID: o61643.d

Analysis Method: 8260B Date Collected: 06/20/2012 13:05

Sample wt/vol: 3.77(g) Date Analyzed: 06/28/2012 11:11

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 9.1 Level: (low/med) Low

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.23	U	1.5	0.23
74-83-9	Bromomethane	0.63	U	1.5	0.63
75-01-4	Vinyl chloride	0.50	U	1.5	0.50
75-00-3	Chloroethane	0.48	U	1.5	0.48
75-09-2	Methylene Chloride	8.2	B	1.5	0.22
67-64-1	Acetone	35	B	15	2.5
1330-20-7	Xylenes, Total	0.98	U	4.4	0.98
75-15-0	Carbon disulfide	0.22	U	1.5	0.22
75-69-4	Trichlorofluoromethane	0.23	U	1.5	0.23
75-35-4	1,1-Dichloroethene	0.28	U	1.5	0.28
75-34-3	1,1-Dichloroethane	0.16	U	1.5	0.16
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.5	0.19
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.5	0.16
67-66-3	Chloroform	0.35	U	1.5	0.35
78-93-3	2-Butanone	0.92	U	15	0.92
107-06-2	1,2-Dichloroethane	0.26	U	1.5	0.26
71-55-6	1,1,1-Trichloroethane	0.19	U	1.5	0.19
56-23-5	Carbon tetrachloride	0.22	U	1.5	0.22
71-43-2	Benzene	0.22	U	1.5	0.22
75-25-2	Bromoform	0.25	U	1.5	0.25
100-42-5	Styrene	22		1.5	0.41
100-41-4	Ethylbenzene	0.25	U	1.5	0.25
108-90-7	Chlorobenzene	0.26	U	1.5	0.26
110-82-7	Cyclohexane	0.19	U	1.5	0.19
98-82-8	Isopropylbenzene	0.16	U	1.5	0.16
591-78-6	2-Hexanone	0.19	U	15	0.19
1634-04-4	MTBE	0.16	U	1.5	0.16
76-13-1	Freon TF	0.16	U	1.5	0.16
79-20-9	Methyl acetate	0.47	U	1.5	0.47
123-91-1	1,4-Dioxane	19	U	73	19
79-01-6	Trichloroethene	0.18	U	1.5	0.18
108-88-3	Toluene	0.20	U	1.5	0.20
10061-02-6	trans-1,3-Dichloropropene	0.15	U	1.5	0.15
108-10-1	4-Methyl-2-pentanone	0.29	U	15	0.29
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.5	0.20
95-50-1	1,2-Dichlorobenzene	0.15	U	1.5	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: F-8 Lab Sample ID: 460-41546-17

Matrix: Solid Lab File ID: o61643.d

Analysis Method: 8260B Date Collected: 06/20/2012 13:05

Sample wt/vol: 3.77(g) Date Analyzed: 06/28/2012 11:11

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 9.1 Level: (low/med) Low

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.23	U	1.5	0.23
106-46-7	1,4-Dichlorobenzene	0.16	U	1.5	0.16
120-82-1	1,2,4-Trichlorobenzene	0.28	U	1.5	0.28
87-61-6	1,2,3-Trichlorobenzene	0.23	U	1.5	0.23
78-87-5	1,2-Dichloropropane	0.22	U	1.5	0.22
108-87-2	Methylcyclohexane	0.15	U	1.5	0.15
127-18-4	Tetrachloroethene	0.18	U	1.5	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.64	U	1.5	0.64
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.5	0.13
79-00-5	1,1,2-Trichloroethane	0.20	U	1.5	0.20
124-48-1	Dibromochloromethane	0.15	U	1.5	0.15
106-93-4	1,2-Dibromoethane	0.22	U	1.5	0.22
75-71-8	Dichlorodifluoromethane	0.32	U	1.5	0.32
74-97-5	Bromochloromethane	0.16	U	1.5	0.16
75-27-4	Bromodichloromethane	0.47	U	1.5	0.47

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130
460-00-4	Bromofluorobenzene	101		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-8 Lab Sample ID: 460-41546-17
Matrix: Solid Lab File ID: o61643.d
Analysis Method: 8260B Date Collected: 06/20/2012 13:05
Sample wt/vol: 3.77(g) Date Analyzed: 06/28/2012 11:11
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 9.1 Level: (low/med) Low
Analysis Batch No.: 117776 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/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61643.d
 Report Date: 29-Jun-2012 03:37

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61643.d
 Lab Smp Id: 460-41546-B-17-A Client Smp ID: F-8
 Inj Date : 28-JUN-2012 11:11
 Operator : VOAMS 9 Inst ID: VOAMS12.i
 Smp Info : 460-41546-B-17-A;;;3.77;5
 Misc Info : 460-41546-B-17-A
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 15:38 maryb Quant Type: ISTD
 Cal Date : 21-JUN-2012 23:37 Cal File: o61398.d
 Als bottle: 15
 Dil Factor: 1.00000
 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	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	3.77000	Weight of sample extracted (g)
M	9.10853	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
7 Acetone	43	1.654	1.654	(0.446)	32184	23.6652	34
6 Methylene Chloride	84	1.897	1.897	(0.511)	28066	5.59759	8.2
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	214123	54.4361	79
* 69 Fluorobenzene	96	3.709	3.702	(1.000)	795224	50.0000	
\$ 37 Toluene-d8 (SUR)	98	5.386	5.386	(0.741)	692674	48.1999	70
* 32 Chlorobenzene-d5	117	7.270	7.270	(1.000)	652473	50.0000	
42 Styrene	104	8.308	8.301	(1.143)	293953	15.1018	22
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	261719	50.5146	74
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	381076	50.0000	

Data File: o61643.d

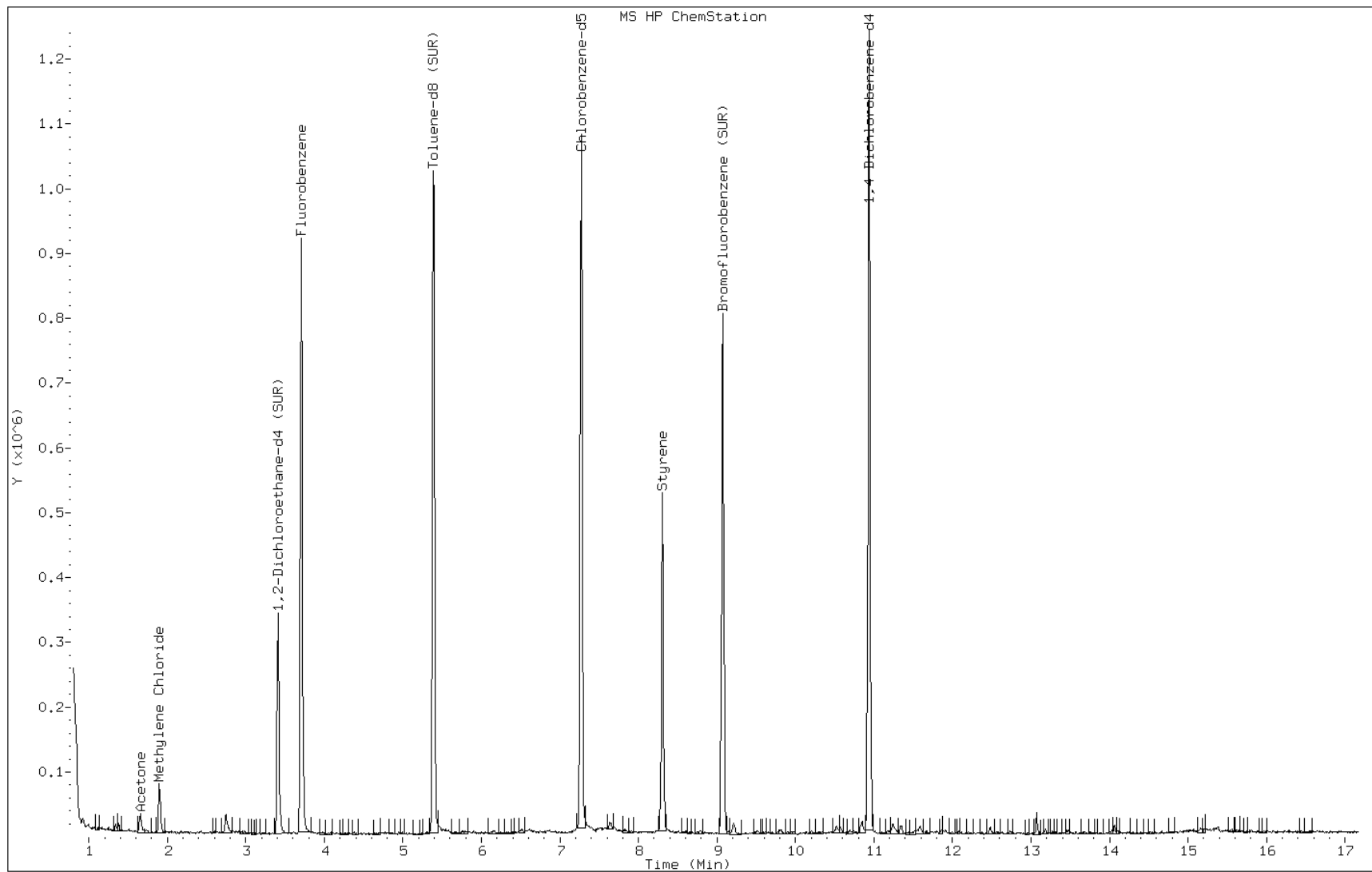
Date: 28-JUN-2012 11:11

Client ID: F-8

Instrument: VOAMS12.i

Sample Info: 460-41546-B-17-A;;;3.77;5

Operator: VOAMS 9



Data File: o61643.d

Date: 28-JUN-2012 11:11

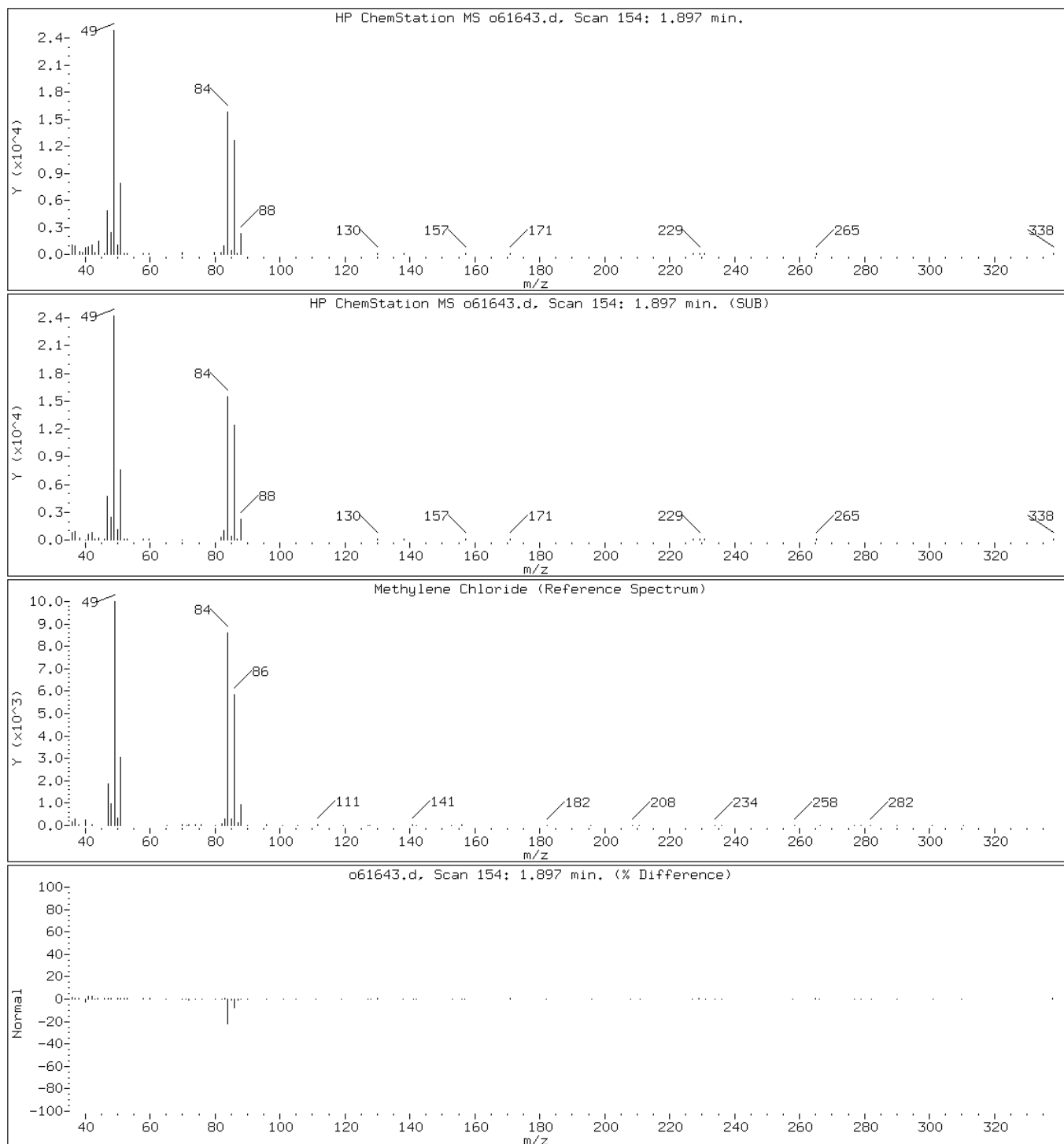
Client ID: F-8

Instrument: VOAMS12.i

Sample Info: 460-41546-B-17-A;;;3.77;5

Operator: VOAMS 9

6 Methylene Chloride



Data File: o61643.d

Date: 28-JUN-2012 11:11

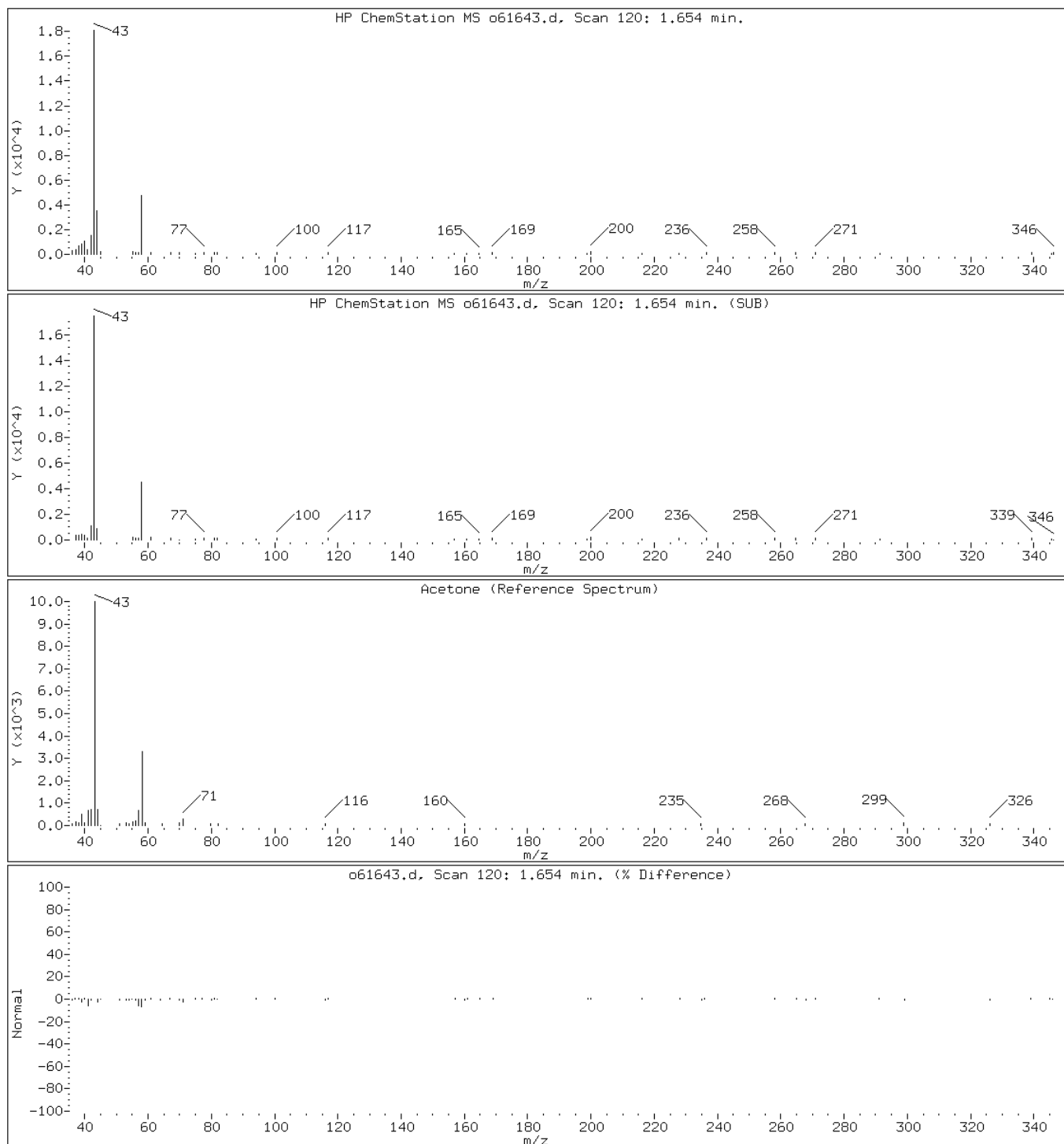
Client ID: F-8

Instrument: VOAMS12.i

Sample Info: 460-41546-B-17-A;;;3.77;5

Operator: VOAMS 9

7 Acetone



Data File: o61643.d

Date: 28-JUN-2012 11:11

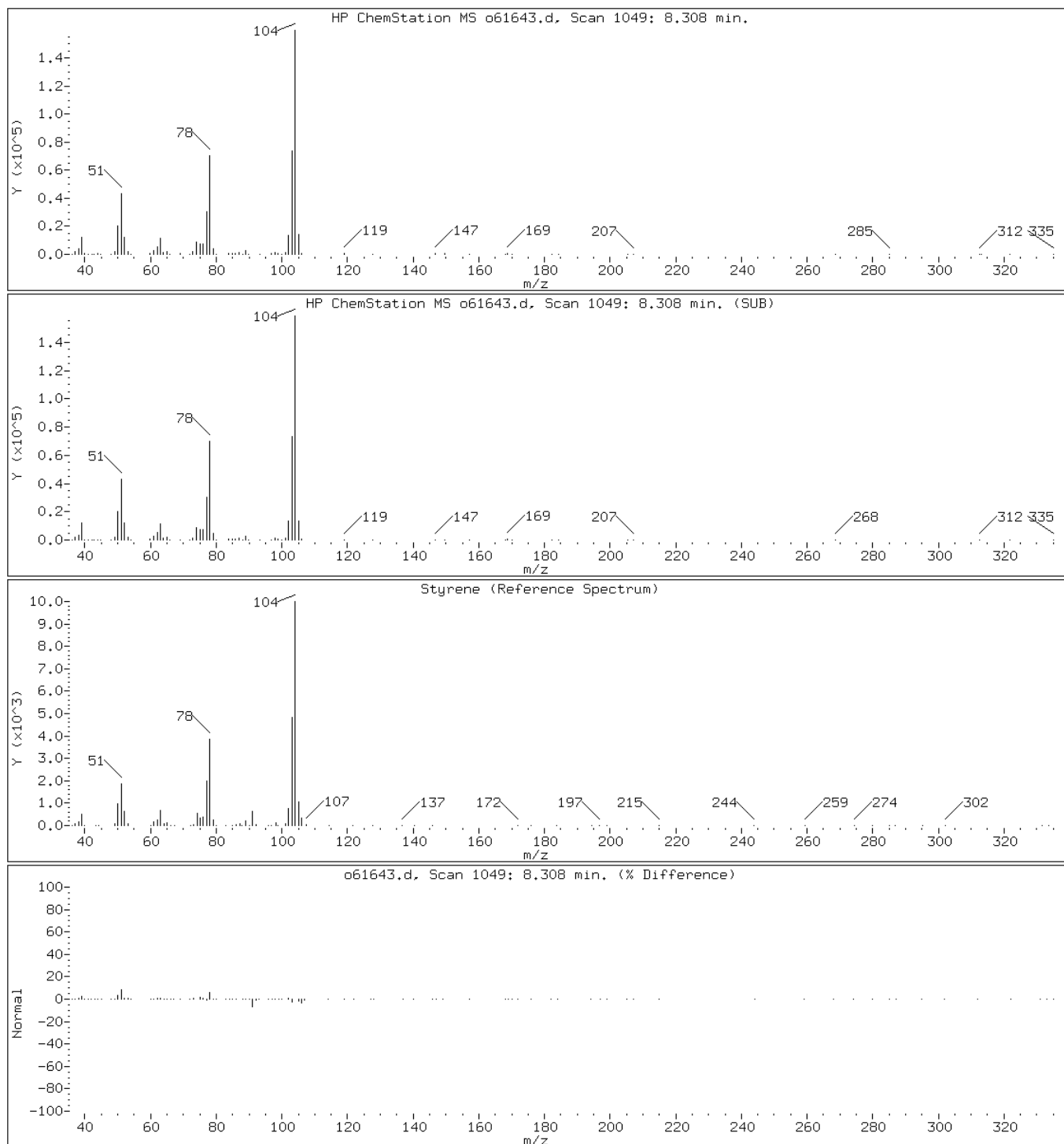
Client ID: F-8

Instrument: VOAMS12.i

Sample Info: 460-41546-B-17-A;;;3.77;5

Operator: VOAMS 9

42 Styrene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: F-9 Lab Sample ID: 460-41546-18

Matrix: Solid Lab File ID: o61644.d

Analysis Method: 8260B Date Collected: 06/20/2012 13:14

Sample wt/vol: 5.59(g) Date Analyzed: 06/28/2012 11:35

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 10.8 Level: (low/med) Low

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.16	U	1.0	0.16
74-83-9	Bromomethane	0.43	U	1.0	0.43
75-01-4	Vinyl chloride	0.34	U	1.0	0.34
75-00-3	Chloroethane	0.33	U	1.0	0.33
75-09-2	Methylene Chloride	5.6	B	1.0	0.15
67-64-1	Acetone	3.3	J B	10	1.7
1330-20-7	Xylenes, Total	0.67	U	3.0	0.67
75-15-0	Carbon disulfide	0.15	U	1.0	0.15
75-69-4	Trichlorofluoromethane	0.16	U	1.0	0.16
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
75-34-3	1,1-Dichloroethane	0.11	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.11	U	1.0	0.11
67-66-3	Chloroform	0.24	U	1.0	0.24
78-93-3	2-Butanone	0.63	U	10	0.63
107-06-2	1,2-Dichloroethane	0.18	U	1.0	0.18
71-55-6	1,1,1-Trichloroethane	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.15	U	1.0	0.15
71-43-2	Benzene	0.15	U	1.0	0.15
75-25-2	Bromoform	0.17	U	1.0	0.17
100-42-5	Styrene	0.28	U	1.0	0.28
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
108-90-7	Chlorobenzene	0.18	U	1.0	0.18
110-82-7	Cyclohexane	0.13	U	1.0	0.13
98-82-8	Isopropylbenzene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.13	U	10	0.13
1634-04-4	MTBE	0.11	U	1.0	0.11
76-13-1	Freon TF	0.11	U	1.0	0.11
79-20-9	Methyl acetate	0.32	U	1.0	0.32
123-91-1	1,4-Dioxane	13	U	50	13
79-01-6	Trichloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.14	U	1.0	0.14
10061-02-6	trans-1,3-Dichloropropene	0.10	U	1.0	0.10
108-10-1	4-Methyl-2-pentanone	0.20	U	10	0.20
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
95-50-1	1,2-Dichlorobenzene	0.10	U	1.0	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: F-9 Lab Sample ID: 460-41546-18

Matrix: Solid Lab File ID: o61644.d

Analysis Method: 8260B Date Collected: 06/20/2012 13:14

Sample wt/vol: 5.59(g) Date Analyzed: 06/28/2012 11:35

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 10.8 Level: (low/med) Low

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.11	U	1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	0.19	U	1.0	0.19
87-61-6	1,2,3-Trichlorobenzene	0.16	U	1.0	0.16
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
108-87-2	Methylcyclohexane	0.10	U	1.0	0.10
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.44	U	1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	0.090	U	1.0	0.090
79-00-5	1,1,2-Trichloroethane	0.14	U	1.0	0.14
124-48-1	Dibromochloromethane	0.10	U	1.0	0.10
106-93-4	1,2-Dibromoethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-97-5	Bromochloromethane	0.11	U	1.0	0.11
75-27-4	Bromodichloromethane	0.32	U	1.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130
460-00-4	Bromofluorobenzene	98		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-9 Lab Sample ID: 460-41546-18
Matrix: Solid Lab File ID: o61644.d
Analysis Method: 8260B Date Collected: 06/20/2012 13:14
Sample wt/vol: 5.59(g) Date Analyzed: 06/28/2012 11:35
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 10.8 Level: (low/med) Low
Analysis Batch No.: 117776 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/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61644.d
 Report Date: 29-Jun-2012 12:47

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61644.d
 Lab Smp Id: 460-41546-B-18-A Client Smp ID: F-9
 Inj Date : 28-JUN-2012 11:35
 Operator : VOAMS 9 Inst ID: VOAMS12.i
 Smp Info : 460-41546-B-18-A;;;5.59;5
 Misc Info : 460-41546-B-18-A
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 15:38 maryb Quant Type: ISTD
 Cal Date : 21-JUN-2012 23:37 Cal File: o61398.d
 Als bottle: 16
 Dil Factor: 1.00000
 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	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.59000	Weight of sample extracted (g)
M	10.78611	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/Kg)
7 Acetone		43	1.661	1.654	(0.448)	4708	3.29828	3.3(aH)
6 Methylene Chloride		84	1.897	1.897	(0.511)	29159	5.54083	5.6
\$ 16 1,2-Dichloroethane-d4 (SUR)		65	3.409	3.409	(0.919)	213627	51.7442	52
* 69 Fluorobenzene		96	3.710	3.702	(1.000)	834657	50.0000	
\$ 37 Toluene-d8 (SUR)		98	5.386	5.386	(0.741)	699799	47.8200	48
* 32 Chlorobenzene-d5		117	7.270	7.270	(1.000)	664421	50.0000	
\$ 41 Bromofluorobenzene (SUR)		174	9.075	9.075	(0.830)	262754	49.1604	49
* 91 1,4-Dichlorobenzene-d4		152	10.937	10.937	(1.000)	393122	50.0000	

QC Flag Legend

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

Data File: o61644.d

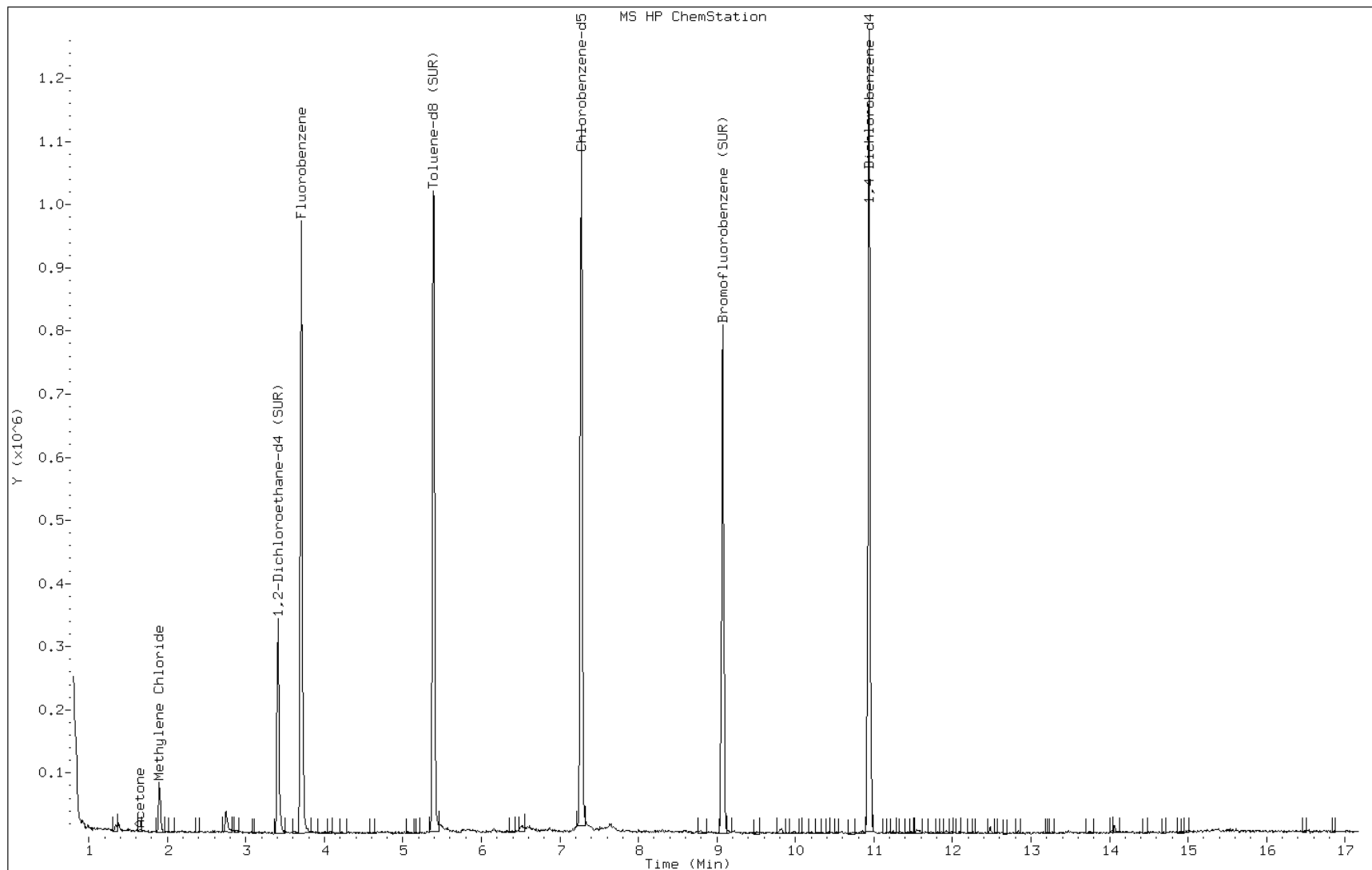
Date: 28-JUN-2012 11:35

Client ID: F-9

Instrument: VOAMS12.i

Sample Info: 460-41546-B-18-A;;;5.59;5

Operator: VOAMS 9



Data File: o61644.d

Date: 28-JUN-2012 11:35

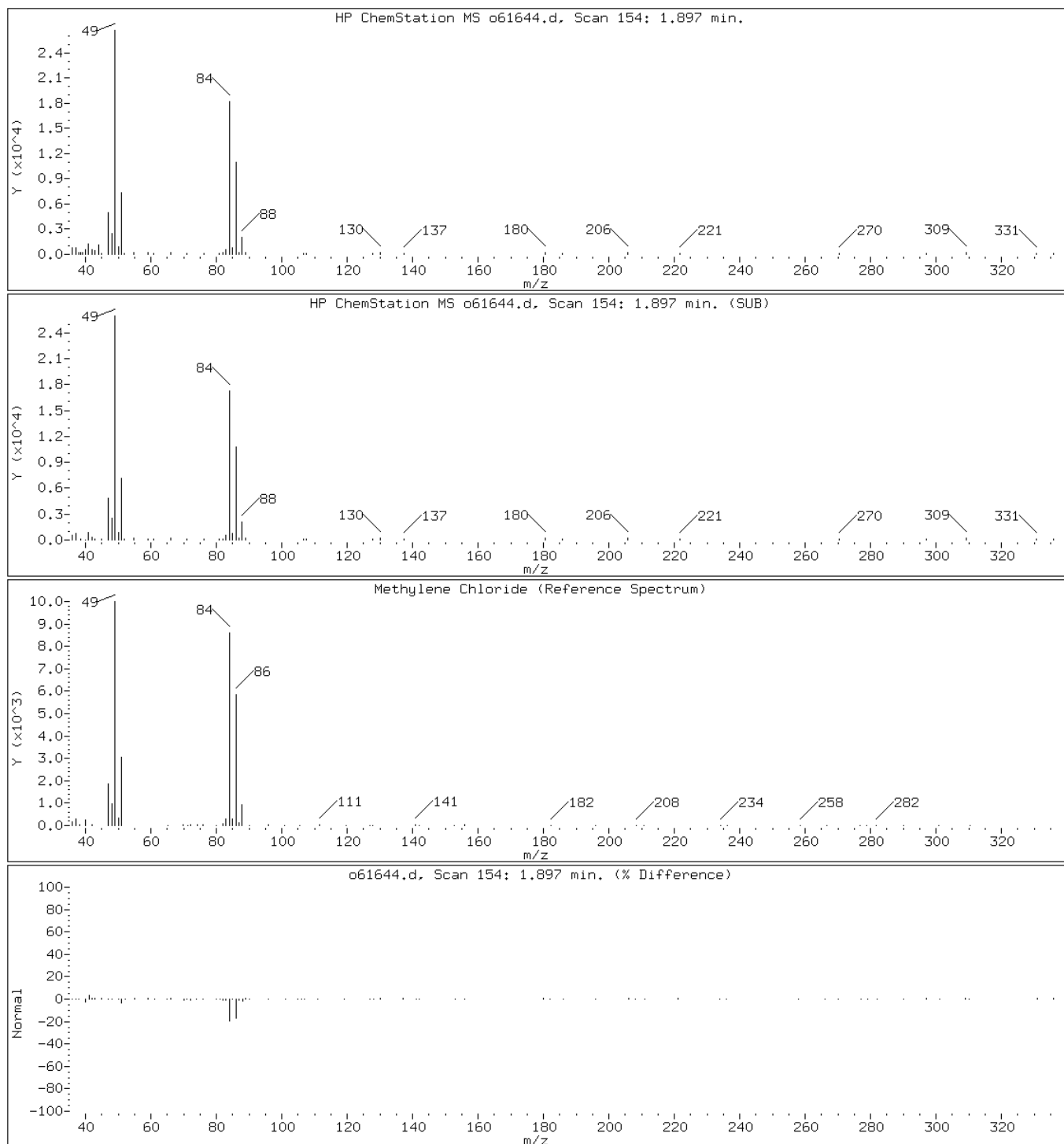
Client ID: F-9

Instrument: VOAMS12.i

Sample Info: 460-41546-B-18-A;;;5.59;5

Operator: VOAMS 9

6 Methylene Chloride



Data File: o61644.d

Date: 28-JUN-2012 11:35

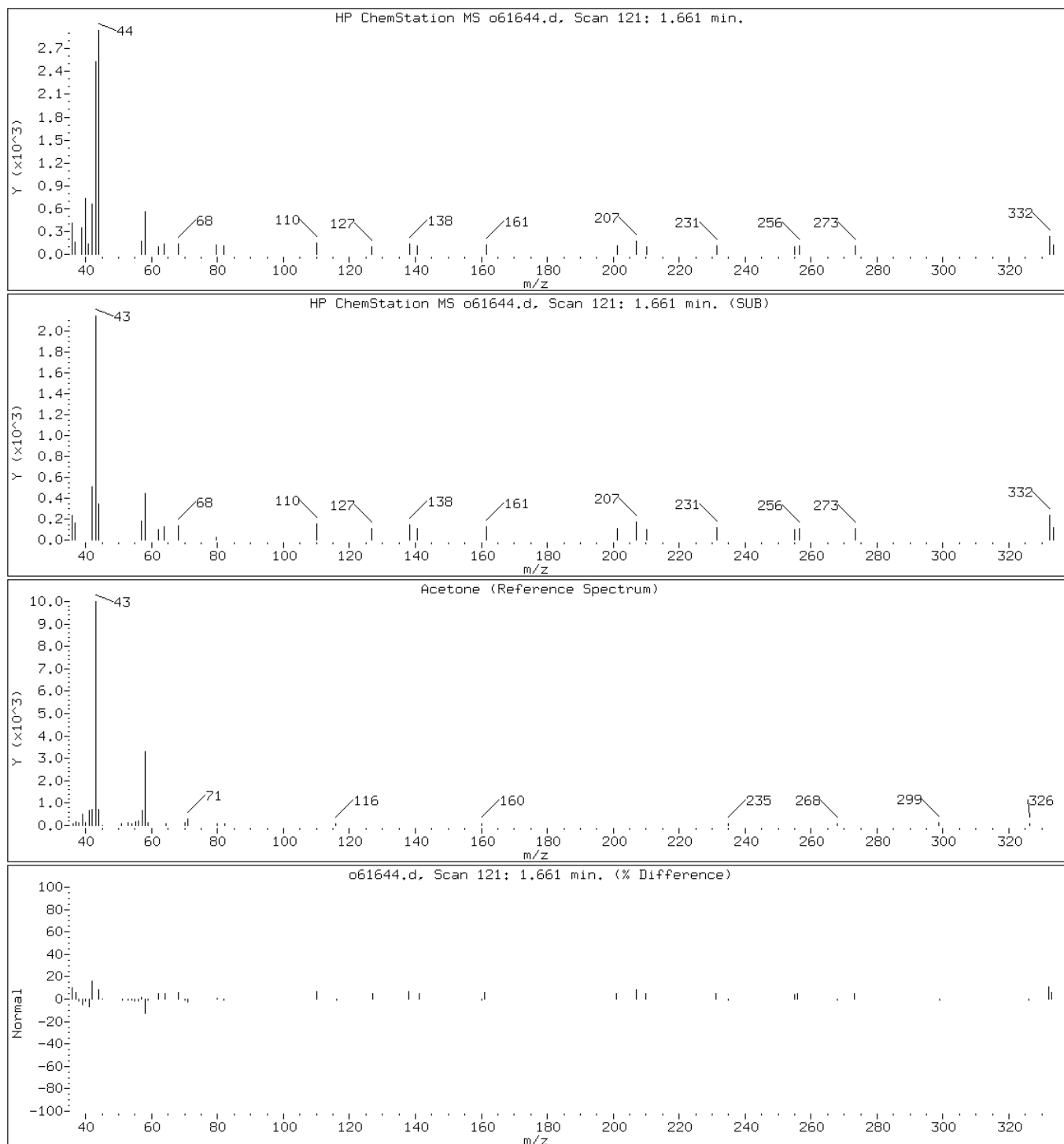
Client ID: F-9

Instrument: VOAMS12.i

Sample Info: 460-41546-B-18-A;;;5.59;5

Operator: VOAMS 9

7 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: F-10 Lab Sample ID: 460-41546-19

Matrix: Solid Lab File ID: o61645.d

Analysis Method: 8260B Date Collected: 06/20/2012 13:48

Sample wt/vol: 4.56(g) Date Analyzed: 06/28/2012 12:00

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 9.7 Level: (low/med) Low

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.19	U	1.2	0.19
74-83-9	Bromomethane	0.52	U	1.2	0.52
75-01-4	Vinyl chloride	0.41	U	1.2	0.41
75-00-3	Chloroethane	0.40	U	1.2	0.40
75-09-2	Methylene Chloride	6.8	B	1.2	0.18
67-64-1	Acetone	4.3	J B	12	2.1
1330-20-7	Xylenes, Total	0.81	U	3.6	0.81
75-15-0	Carbon disulfide	0.18	U	1.2	0.18
75-69-4	Trichlorofluoromethane	0.19	U	1.2	0.19
75-35-4	1,1-Dichloroethene	0.23	U	1.2	0.23
75-34-3	1,1-Dichloroethane	0.13	U	1.2	0.13
156-60-5	trans-1,2-Dichloroethene	0.16	U	1.2	0.16
156-59-2	cis-1,2-Dichloroethene	0.13	U	1.2	0.13
67-66-3	Chloroform	0.29	U	1.2	0.29
78-93-3	2-Butanone	0.76	U	12	0.76
107-06-2	1,2-Dichloroethane	0.22	U	1.2	0.22
71-55-6	1,1,1-Trichloroethane	0.16	U	1.2	0.16
56-23-5	Carbon tetrachloride	0.18	U	1.2	0.18
71-43-2	Benzene	0.18	U	1.2	0.18
75-25-2	Bromoform	0.21	U	1.2	0.21
100-42-5	Styrene	0.34	U	1.2	0.34
100-41-4	Ethylbenzene	0.21	U	1.2	0.21
108-90-7	Chlorobenzene	0.22	U	1.2	0.22
110-82-7	Cyclohexane	0.16	U	1.2	0.16
98-82-8	Isopropylbenzene	0.13	U	1.2	0.13
591-78-6	2-Hexanone	0.16	U	12	0.16
1634-04-4	MTBE	0.13	U	1.2	0.13
76-13-1	Freon TF	0.13	U	1.2	0.13
79-20-9	Methyl acetate	0.39	U	1.2	0.39
123-91-1	1,4-Dioxane	15	U	61	15
79-01-6	Trichloroethene	0.15	U	1.2	0.15
108-88-3	Toluene	0.17	U	1.2	0.17
10061-02-6	trans-1,3-Dichloropropene	0.12	U	1.2	0.12
108-10-1	4-Methyl-2-pentanone	0.24	U	12	0.24
10061-01-5	cis-1,3-Dichloropropene	0.17	U	1.2	0.17
95-50-1	1,2-Dichlorobenzene	0.12	U	1.2	0.12

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-10 Lab Sample ID: 460-41546-19
 Matrix: Solid Lab File ID: o61645.d
 Analysis Method: 8260B Date Collected: 06/20/2012 13:48
 Sample wt/vol: 4.56(g) Date Analyzed: 06/28/2012 12:00
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: 9.7 Level: (low/med) Low
 Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.19	U	1.2	0.19
106-46-7	1,4-Dichlorobenzene	0.13	U	1.2	0.13
120-82-1	1,2,4-Trichlorobenzene	0.23	U	1.2	0.23
87-61-6	1,2,3-Trichlorobenzene	0.19	U	1.2	0.19
78-87-5	1,2-Dichloropropane	0.18	U	1.2	0.18
108-87-2	Methylcyclohexane	0.12	U	1.2	0.12
127-18-4	Tetrachloroethene	0.15	U	1.2	0.15
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1.2	0.53
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U	1.2	0.11
79-00-5	1,1,2-Trichloroethane	0.17	U	1.2	0.17
124-48-1	Dibromochloromethane	0.12	U	1.2	0.12
106-93-4	1,2-Dibromoethane	0.18	U	1.2	0.18
75-71-8	Dichlorodifluoromethane	0.27	U	1.2	0.27
74-97-5	Bromochloromethane	0.13	U	1.2	0.13
75-27-4	Bromodichloromethane	0.39	U	1.2	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-130
2037-26-5	Toluene-d8 (Surr)	97		70-130
460-00-4	Bromofluorobenzene	100		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-10 Lab Sample ID: 460-41546-19
Matrix: Solid Lab File ID: o61645.d
Analysis Method: 8260B Date Collected: 06/20/2012 13:48
Sample wt/vol: 4.56(g) Date Analyzed: 06/28/2012 12:00
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 9.7 Level: (low/med) Low
Analysis Batch No.: 117776 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/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61645.d
 Report Date: 29-Jun-2012 12:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61645.d
 Lab Smp Id: 460-41546-B-19-A Client Smp ID: F-10
 Inj Date : 28-JUN-2012 12:00
 Operator : VOAMS 9 Inst ID: VOAMS12.i
 Smp Info : 460-41546-B-19-A;;;4.56;5
 Misc Info : 460-41546-B-19-A
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 15:38 maryb Quant Type: ISTD
 Cal Date : 21-JUN-2012 23:37 Cal File: o61398.d
 Als bottle: 17
 Dil Factor: 1.00000
 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	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.56000	Weight of sample extracted (g)
M	9.65058	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)
=====	====	==	=====	=====	=====	=====	=====
7 Acetone	43	1.654	1.654	(0.446)	5288	3.54323	4.3(aH)
6 Methylene Chloride	84	1.897	1.897	(0.511)	30659	5.57208	6.8
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	218883	50.7078	62
* 69 Fluorobenzene	96	3.709	3.702	(1.000)	872671	50.0000	
\$ 37 Toluene-d8 (SUR)	98	5.386	5.386	(0.740)	714501	48.5530	59
* 32 Chlorobenzene-d5	117	7.277	7.270	(1.000)	668139	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	263859	50.0954	61
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	387407	50.0000	

QC Flag Legend

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

Data File: o61645.d

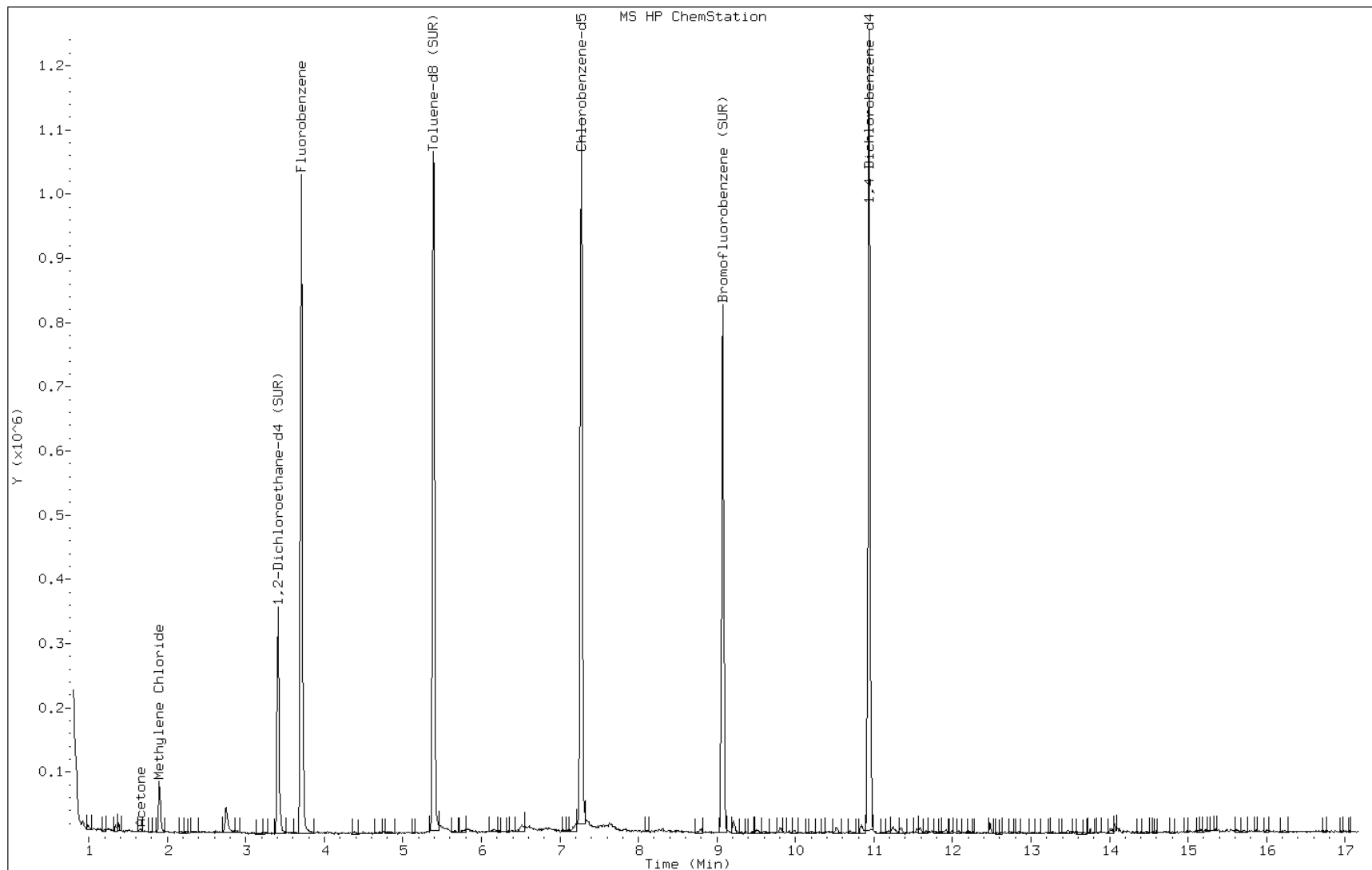
Date: 28-JUN-2012 12:00

Client ID: F-10

Instrument: VOAMS12.i

Sample Info: 460-41546-B-19-A;;;4.56;5

Operator: VOAMS 9



Data File: o61645.d

Date: 28-JUN-2012 12:00

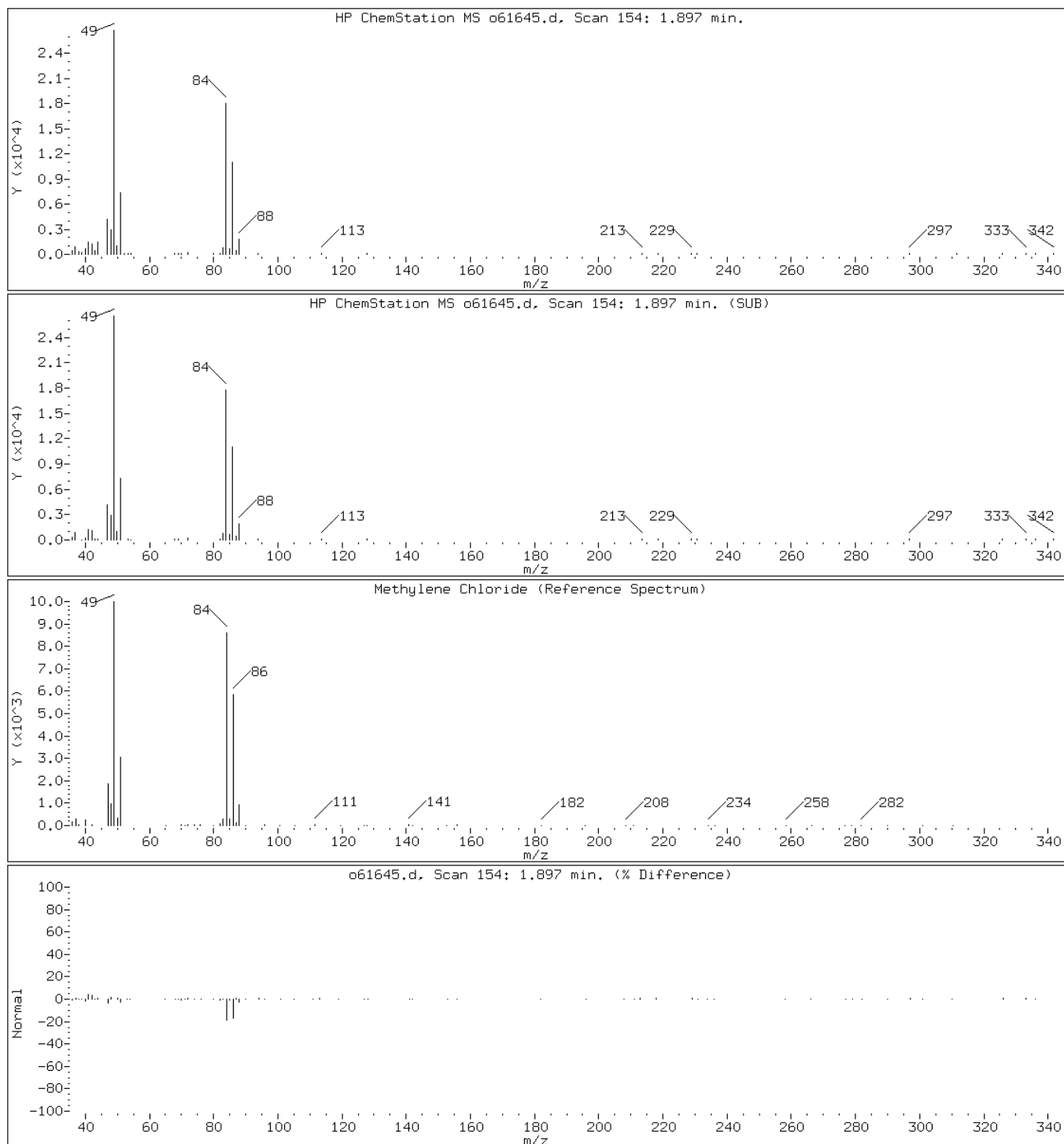
Client ID: F-10

Instrument: VOAMS12.i

Sample Info: 460-41546-B-19-A;;;4.56;5

Operator: VOAMS 9

6 Methylene Chloride



Data File: o61645.d

Date: 28-JUN-2012 12:00

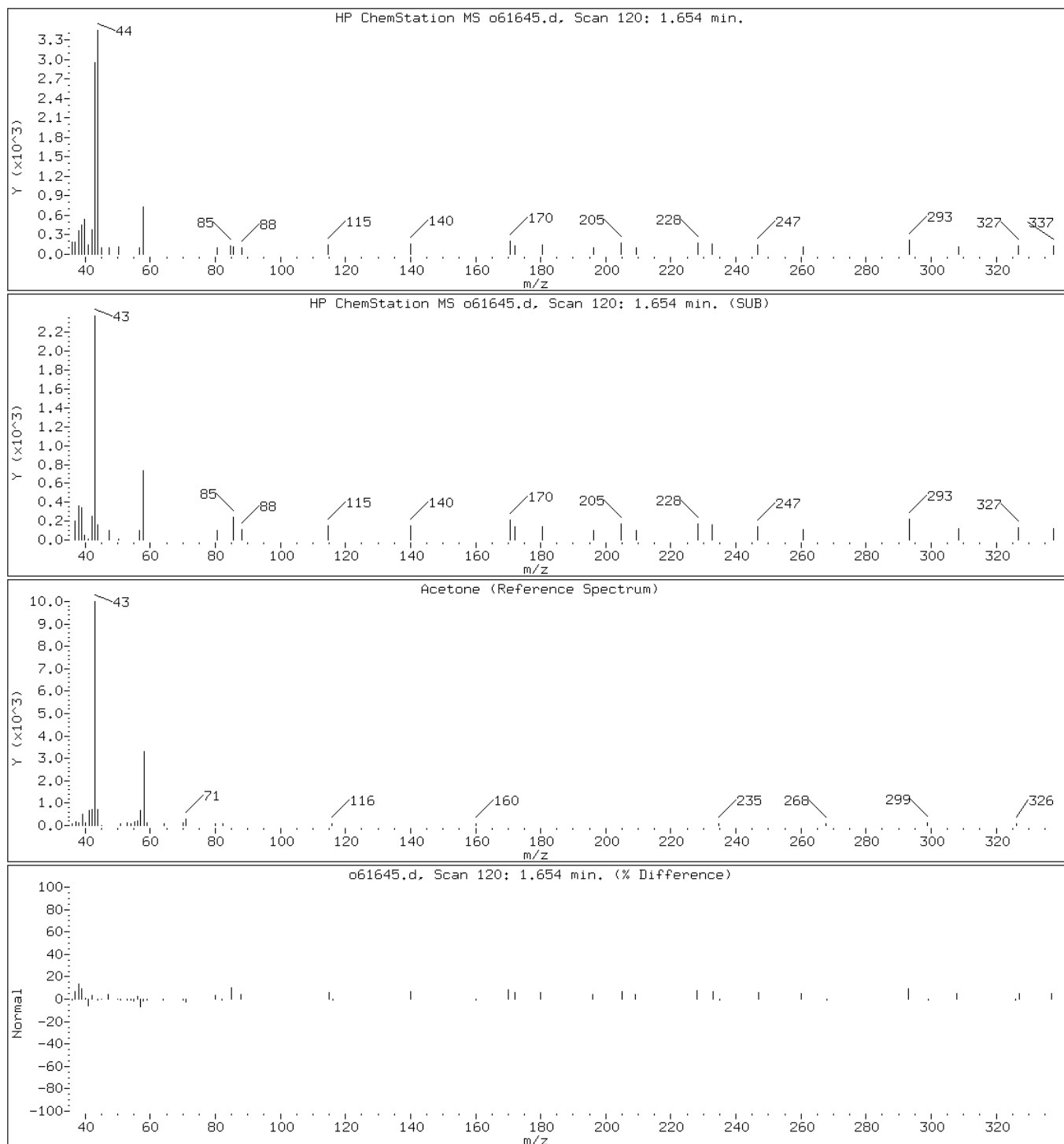
Client ID: F-10

Instrument: VOAMS12.i

Sample Info: 460-41546-B-19-A;;;4.56;5

Operator: VOAMS 9

7 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: F-11 Lab Sample ID: 460-41546-20

Matrix: Solid Lab File ID: o61646.d

Analysis Method: 8260B Date Collected: 06/20/2012 13:52

Sample wt/vol: 5.07(g) Date Analyzed: 06/28/2012 12:25

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 10.1 Level: (low/med) Low

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.18	U	1.1	0.18
74-83-9	Bromomethane	0.47	U	1.1	0.47
75-01-4	Vinyl chloride	0.37	U	1.1	0.37
75-00-3	Chloroethane	0.36	U	1.1	0.36
75-09-2	Methylene Chloride	7.4	B	1.1	0.16
67-64-1	Acetone	9.7	J B	11	1.9
1330-20-7	Xylenes, Total	0.73	U	3.3	0.73
75-15-0	Carbon disulfide	0.35	J	1.1	0.16
75-69-4	Trichlorofluoromethane	0.18	U	1.1	0.18
75-35-4	1,1-Dichloroethene	0.21	U	1.1	0.21
75-34-3	1,1-Dichloroethane	0.12	U	1.1	0.12
156-60-5	trans-1,2-Dichloroethene	0.14	U	1.1	0.14
156-59-2	cis-1,2-Dichloroethene	0.12	U	1.1	0.12
67-66-3	Chloroform	0.26	U	1.1	0.26
78-93-3	2-Butanone	0.69	U	11	0.69
107-06-2	1,2-Dichloroethane	0.20	U	1.1	0.20
71-55-6	1,1,1-Trichloroethane	0.14	U	1.1	0.14
56-23-5	Carbon tetrachloride	0.16	U	1.1	0.16
71-43-2	Benzene	0.16	U	1.1	0.16
75-25-2	Bromoform	0.19	U	1.1	0.19
100-42-5	Styrene	0.31	U	1.1	0.31
100-41-4	Ethylbenzene	0.19	U	1.1	0.19
108-90-7	Chlorobenzene	0.20	U	1.1	0.20
110-82-7	Cyclohexane	0.14	U	1.1	0.14
98-82-8	Isopropylbenzene	0.12	U	1.1	0.12
591-78-6	2-Hexanone	0.14	U	11	0.14
1634-04-4	MTBE	0.12	U	1.1	0.12
76-13-1	Freon TF	0.12	U	1.1	0.12
79-20-9	Methyl acetate	0.35	U	1.1	0.35
123-91-1	1,4-Dioxane	14	U	55	14
79-01-6	Trichloroethene	0.13	U	1.1	0.13
108-88-3	Toluene	0.15	U	1.1	0.15
10061-02-6	trans-1,3-Dichloropropene	0.11	U	1.1	0.11
108-10-1	4-Methyl-2-pentanone	0.22	U	11	0.22
10061-01-5	cis-1,3-Dichloropropene	0.15	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	0.11	U	1.1	0.11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-11 Lab Sample ID: 460-41546-20
 Matrix: Solid Lab File ID: o61646.d
 Analysis Method: 8260B Date Collected: 06/20/2012 13:52
 Sample wt/vol: 5.07(g) Date Analyzed: 06/28/2012 12:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: 10.1 Level: (low/med) Low
 Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.18	U	1.1	0.18
106-46-7	1,4-Dichlorobenzene	0.12	U	1.1	0.12
120-82-1	1,2,4-Trichlorobenzene	0.21	U	1.1	0.21
87-61-6	1,2,3-Trichlorobenzene	0.18	U	1.1	0.18
78-87-5	1,2-Dichloropropane	0.16	U	1.1	0.16
108-87-2	Methylcyclohexane	0.11	U	1.1	0.11
127-18-4	Tetrachloroethene	0.13	U	1.1	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	0.48	U	1.1	0.48
79-34-5	1,1,2,2-Tetrachloroethane	0.099	U	1.1	0.099
79-00-5	1,1,2-Trichloroethane	0.15	U	1.1	0.15
124-48-1	Dibromochloromethane	0.11	U	1.1	0.11
106-93-4	1,2-Dibromoethane	0.16	U	1.1	0.16
75-71-8	Dichlorodifluoromethane	0.24	U	1.1	0.24
74-97-5	Bromochloromethane	0.12	U	1.1	0.12
75-27-4	Bromodichloromethane	0.35	U	1.1	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130
460-00-4	Bromofluorobenzene	97		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-11 Lab Sample ID: 460-41546-20
Matrix: Solid Lab File ID: o61646.d
Analysis Method: 8260B Date Collected: 06/20/2012 13:52
Sample wt/vol: 5.07(g) Date Analyzed: 06/28/2012 12:25
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 10.1 Level: (low/med) Low
Analysis Batch No.: 117776 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/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61646.d
 Report Date: 29-Jun-2012 12:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61646.d
 Lab Smp Id: 460-41546-B-20-A Client Smp ID: F-11
 Inj Date : 28-JUN-2012 12:25
 Operator : VOAMS 9 Inst ID: VOAMS12.i
 Smp Info : 460-41546-B-20-A;;;5.07;5
 Misc Info : 460-41546-B-20-A
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 15:38 maryb Quant Type: ISTD
 Cal Date : 21-JUN-2012 23:37 Cal File: o61398.d
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.07000	Weight of sample extracted (g)
M	10.08547	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)
=====	====	==	=====	=====	=====	=====	=====
7 Acetone	43	1.654	1.654	(0.446)	11324	8.79952	9.6(aH)
8 Carbon Disulfide	76	1.733	1.732	(0.467)	5157	0.31552	0.35(a)
6 Methylene Chloride	84	1.897	1.897	(0.511)	32185	6.78365	7.4
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	202403	54.3789	60
* 69 Fluorobenzene	96	3.710	3.702	(1.000)	752489	50.0000	
\$ 37 Toluene-d8 (SUR)	98	5.386	5.386	(0.741)	651580	47.9992	53
* 32 Chlorobenzene-d5	117	7.270	7.270	(1.000)	616330	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	250347	48.4652	53
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	379932	50.0000	

QC Flag Legend

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

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61646.d
Report Date: 29-Jun-2012 12:48

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: o61646.d

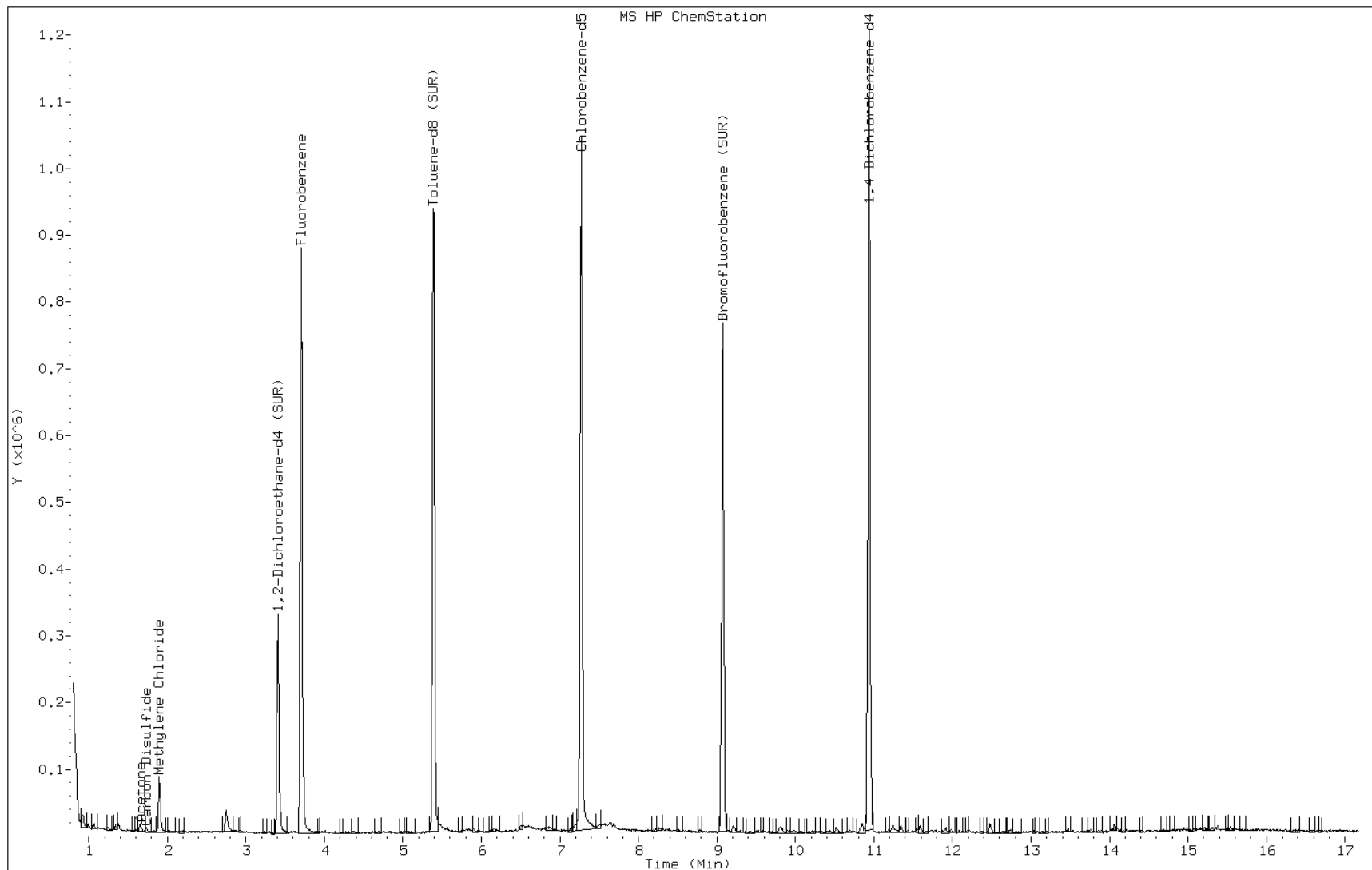
Date: 28-JUN-2012 12:25

Client ID: F-11

Instrument: VOAMS12.i

Sample Info: 460-41546-B-20-A;;;5.07;5

Operator: VOAMS 9



Data File: o61646.d

Date: 28-JUN-2012 12:25

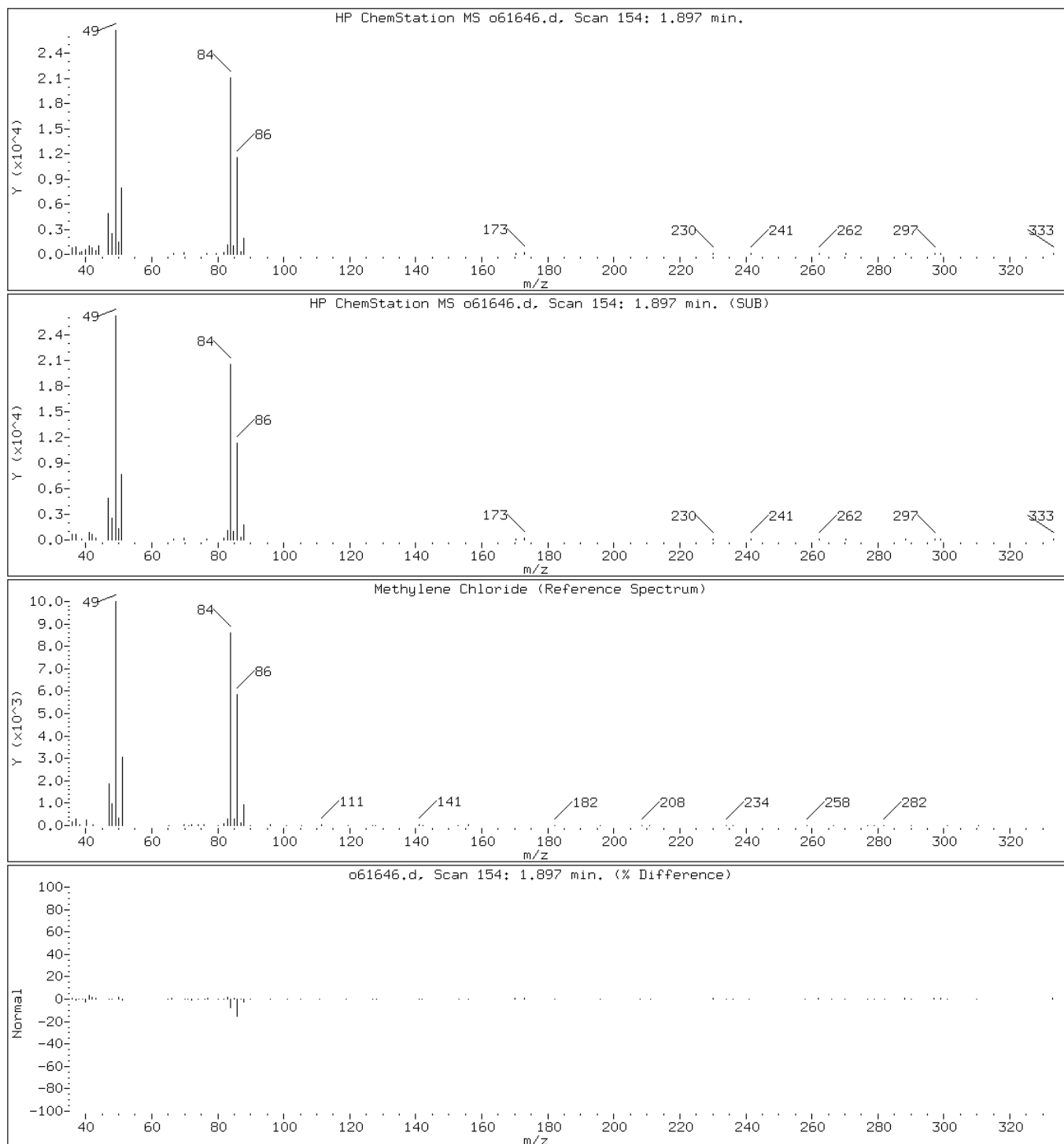
Client ID: F-11

Instrument: VOAMS12.i

Sample Info: 460-41546-B-20-A;;;5.07;5

Operator: VOAMS 9

6 Methylene Chloride



Data File: o61646.d

Date: 28-JUN-2012 12:25

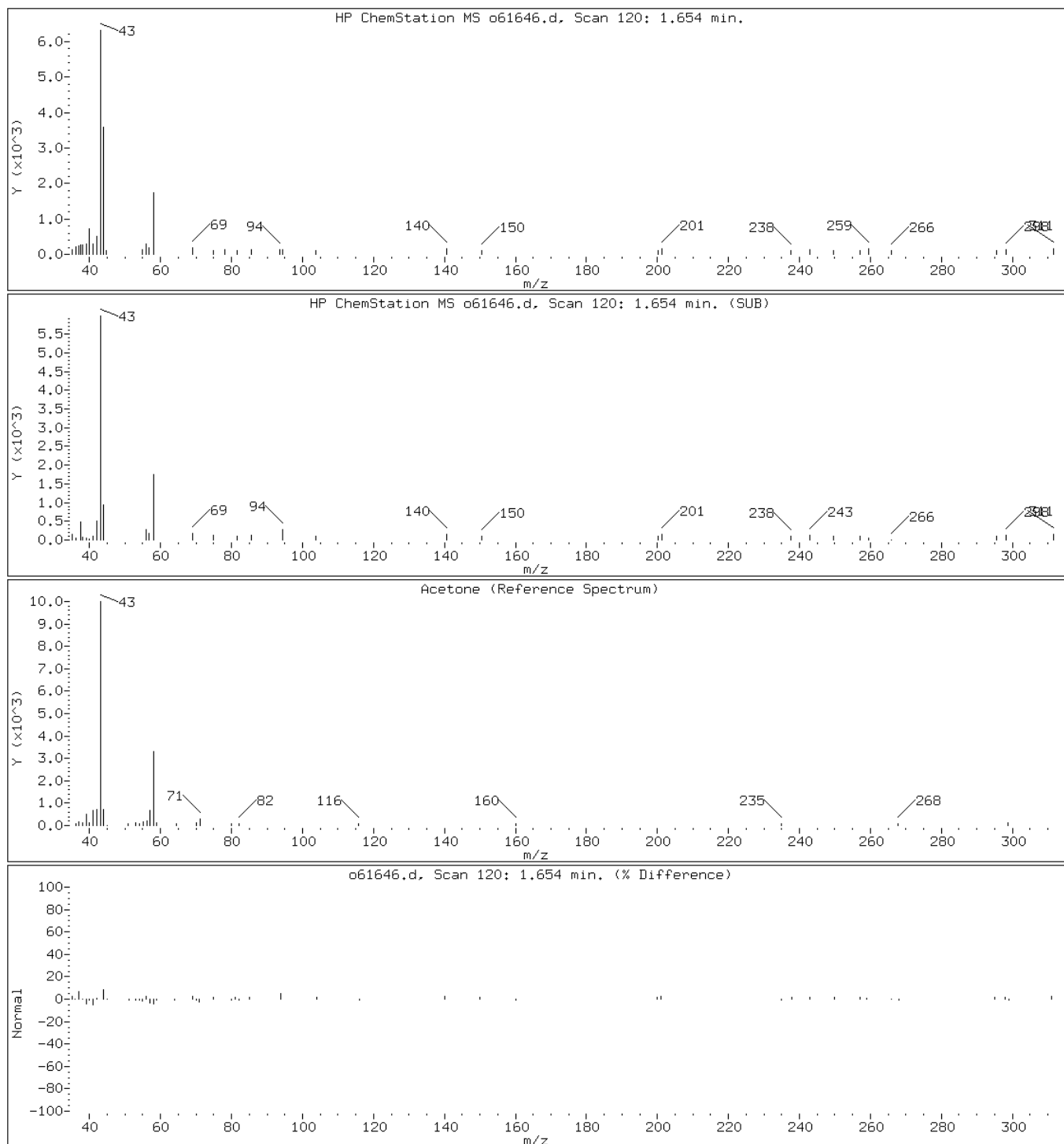
Client ID: F-11

Instrument: VOAMS12.i

Sample Info: 460-41546-B-20-A;;;5.07;5

Operator: VOAMS 9

7 Acetone



Data File: o61646.d

Date: 28-JUN-2012 12:25

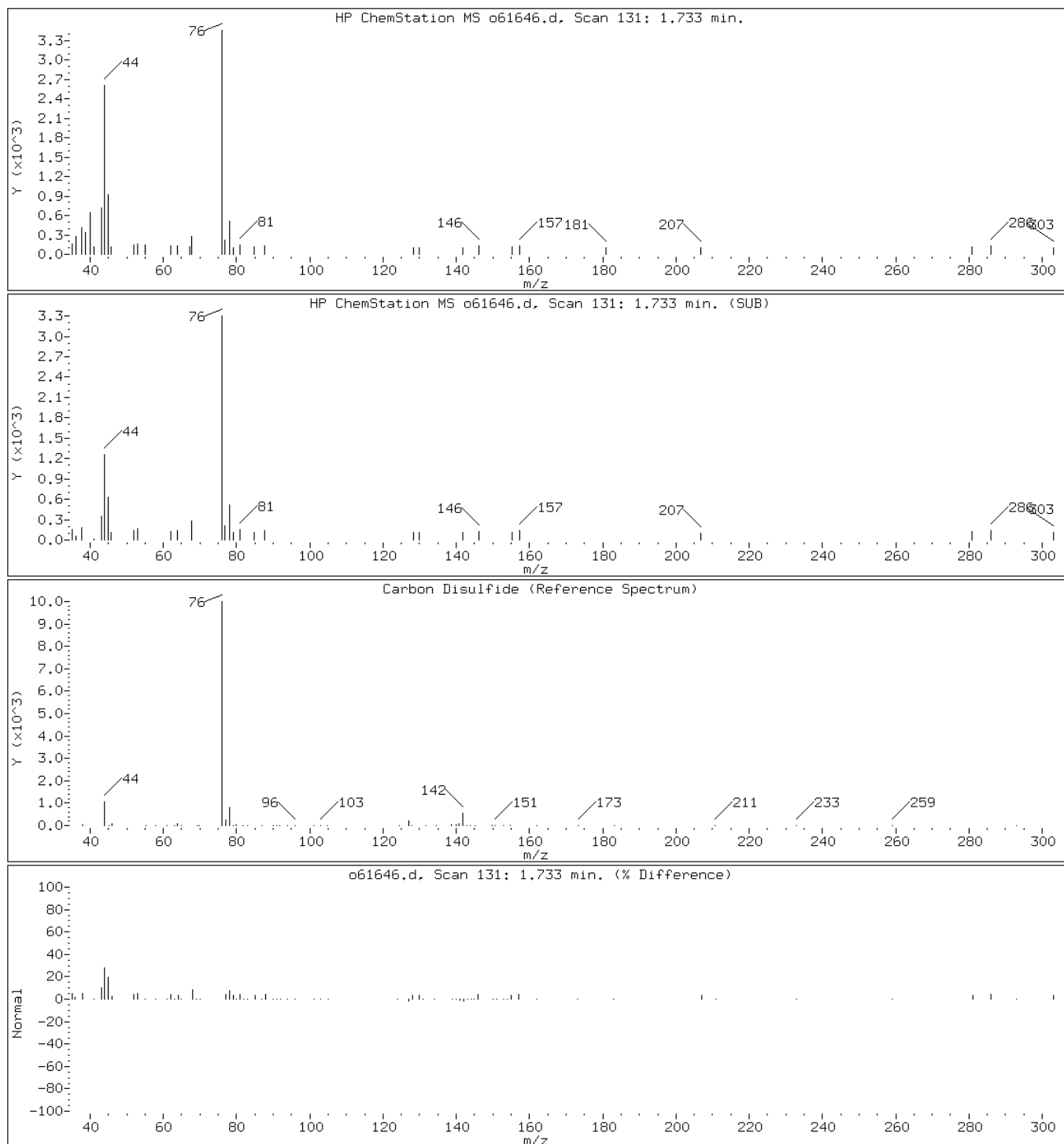
Client ID: F-11

Instrument: VOAMS12.i

Sample Info: 460-41546-B-20-A;;;5.07;5

Operator: VOAMS 9

8 Carbon Disulfide



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-12 Lab Sample ID: 460-41546-21
 Matrix: Solid Lab File ID: o61639.d
 Analysis Method: 8260B Date Collected: 06/20/2012 15:10
 Sample wt/vol: 4.09(g) Date Analyzed: 06/28/2012 09:31
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: 7.3 Level: (low/med) Low
 Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.21	U	1.3	0.21
74-83-9	Bromomethane	0.57	U	1.3	0.57
75-01-4	Vinyl chloride	0.45	U	1.3	0.45
75-00-3	Chloroethane	0.44	U	1.3	0.44
75-09-2	Methylene Chloride	8.0	B	1.3	0.20
67-64-1	Acetone	5.3	J B	13	2.2
1330-20-7	Xylenes, Total	0.88	U	4.0	0.88
75-15-0	Carbon disulfide	0.20	U	1.3	0.20
75-69-4	Trichlorofluoromethane	0.21	U	1.3	0.21
75-35-4	1,1-Dichloroethene	0.25	U	1.3	0.25
75-34-3	1,1-Dichloroethane	0.15	U	1.3	0.15
156-60-5	trans-1,2-Dichloroethene	0.17	U	1.3	0.17
156-59-2	cis-1,2-Dichloroethene	0.15	U	1.3	0.15
67-66-3	Chloroform	0.32	U	1.3	0.32
78-93-3	2-Butanone	0.83	U	13	0.83
107-06-2	1,2-Dichloroethane	0.24	U	1.3	0.24
71-55-6	1,1,1-Trichloroethane	0.17	U	1.3	0.17
56-23-5	Carbon tetrachloride	0.20	U	1.3	0.20
71-43-2	Benzene	0.20	U	1.3	0.20
75-25-2	Bromoform	0.22	U	1.3	0.22
100-42-5	Styrene	0.37	U	1.3	0.37
100-41-4	Ethylbenzene	0.22	U	1.3	0.22
108-90-7	Chlorobenzene	0.24	U	1.3	0.24
110-82-7	Cyclohexane	0.17	U	1.3	0.17
98-82-8	Isopropylbenzene	0.15	U	1.3	0.15
591-78-6	2-Hexanone	0.17	U	13	0.17
1634-04-4	MTBE	0.15	U	1.3	0.15
76-13-1	Freon TF	0.15	U	1.3	0.15
79-20-9	Methyl acetate	0.42	U	1.3	0.42
123-91-1	1,4-Dioxane	17	U	66	17
79-01-6	Trichloroethene	0.16	U	1.3	0.16
108-88-3	Toluene	0.18	U	1.3	0.18
10061-02-6	trans-1,3-Dichloropropene	0.13	U	1.3	0.13
108-10-1	4-Methyl-2-pentanone	0.26	U	13	0.26
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.3	0.18
95-50-1	1,2-Dichlorobenzene	0.13	U	1.3	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-12 Lab Sample ID: 460-41546-21
 Matrix: Solid Lab File ID: o61639.d
 Analysis Method: 8260B Date Collected: 06/20/2012 15:10
 Sample wt/vol: 4.09(g) Date Analyzed: 06/28/2012 09:31
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: 7.3 Level: (low/med) Low
 Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.21	U	1.3	0.21
106-46-7	1,4-Dichlorobenzene	0.15	U	1.3	0.15
120-82-1	1,2,4-Trichlorobenzene	0.25	U	1.3	0.25
87-61-6	1,2,3-Trichlorobenzene	0.21	U	1.3	0.21
78-87-5	1,2-Dichloropropane	0.20	U	1.3	0.20
108-87-2	Methylcyclohexane	0.13	U	1.3	0.13
127-18-4	Tetrachloroethene	0.16	U	1.3	0.16
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	1.3	0.58
79-34-5	1,1,2,2-Tetrachloroethane	0.12	U	1.3	0.12
79-00-5	1,1,2-Trichloroethane	0.18	U	1.3	0.18
124-48-1	Dibromochloromethane	0.13	U	1.3	0.13
106-93-4	1,2-Dibromoethane	0.20	U	1.3	0.20
75-71-8	Dichlorodifluoromethane	0.29	U	1.3	0.29
74-97-5	Bromochloromethane	0.15	U	1.3	0.15
75-27-4	Bromodichloromethane	0.42	U	1.3	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		70-130
2037-26-5	Toluene-d8 (Surr)	94		70-130
460-00-4	Bromofluorobenzene	97		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-12 Lab Sample ID: 460-41546-21
Matrix: Solid Lab File ID: o61639.d
Analysis Method: 8260B Date Collected: 06/20/2012 15:10
Sample wt/vol: 4.09(g) Date Analyzed: 06/28/2012 09:31
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 7.3 Level: (low/med) Low
Analysis Batch No.: 117776 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/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61639.d
 Report Date: 29-Jun-2012 12:46

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61639.d
 Lab Smp Id: 460-41546-B-21-A Client Smp ID: F-12
 Inj Date : 28-JUN-2012 09:31
 Operator : VOAMS 9 Inst ID: VOAMS12.i
 Smp Info : 460-41546-B-21-A;;;4.09;5
 Misc Info : 460-41546-B-21-A
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 15:38 maryb Quant Type: ISTD
 Cal Date : 21-JUN-2012 23:37 Cal File: o61398.d
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.09000	Weight of sample extracted (g)
M	7.27969	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)
=====	====	==	=====	=====	=====	=====	=====
7 Acetone	43	1.654	1.654	(0.446)	4957	4.04691	5.3(aH)
6 Methylene Chloride	84	1.897	1.897	(0.511)	27411	6.06989	8.0
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	201531	56.8854	75
* 69 Fluorobenzene	96	3.709	3.702	(1.000)	716233	50.0000	
\$ 37 Toluene-d8 (SUR)	98	5.386	5.386	(0.741)	652828	47.2075	62
* 32 Chlorobenzene-d5	117	7.270	7.270	(1.000)	627867	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	255345	48.2582	64
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	389179	50.0000	

QC Flag Legend

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

Data File: o61639.d

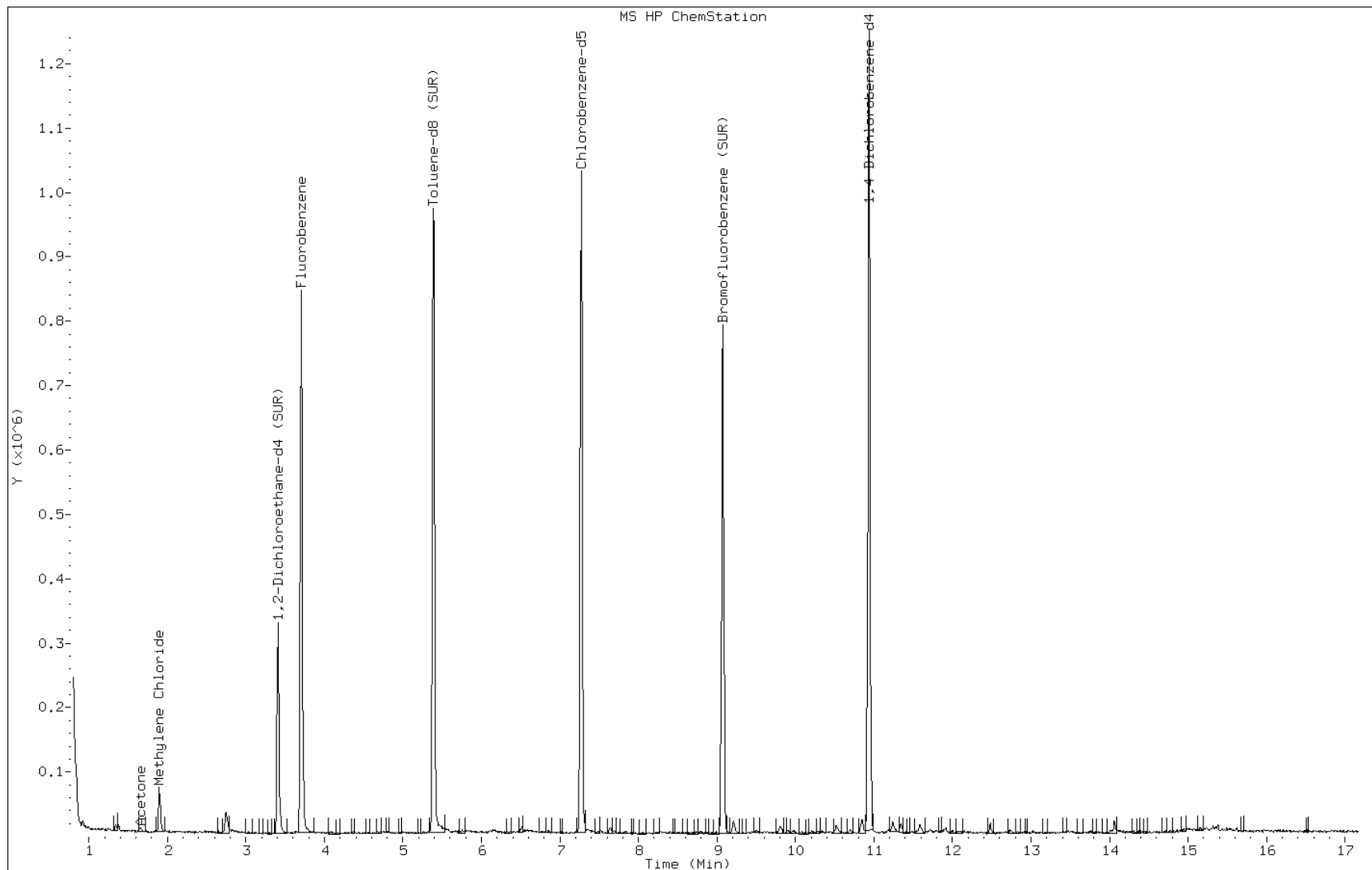
Date: 28-JUN-2012 09:31

Client ID: F-12

Instrument: VOAMS12.i

Sample Info: 460-41546-B-21-A;;;4.09;5

Operator: VOAMS 9



Data File: o61639.d

Date: 28-JUN-2012 09:31

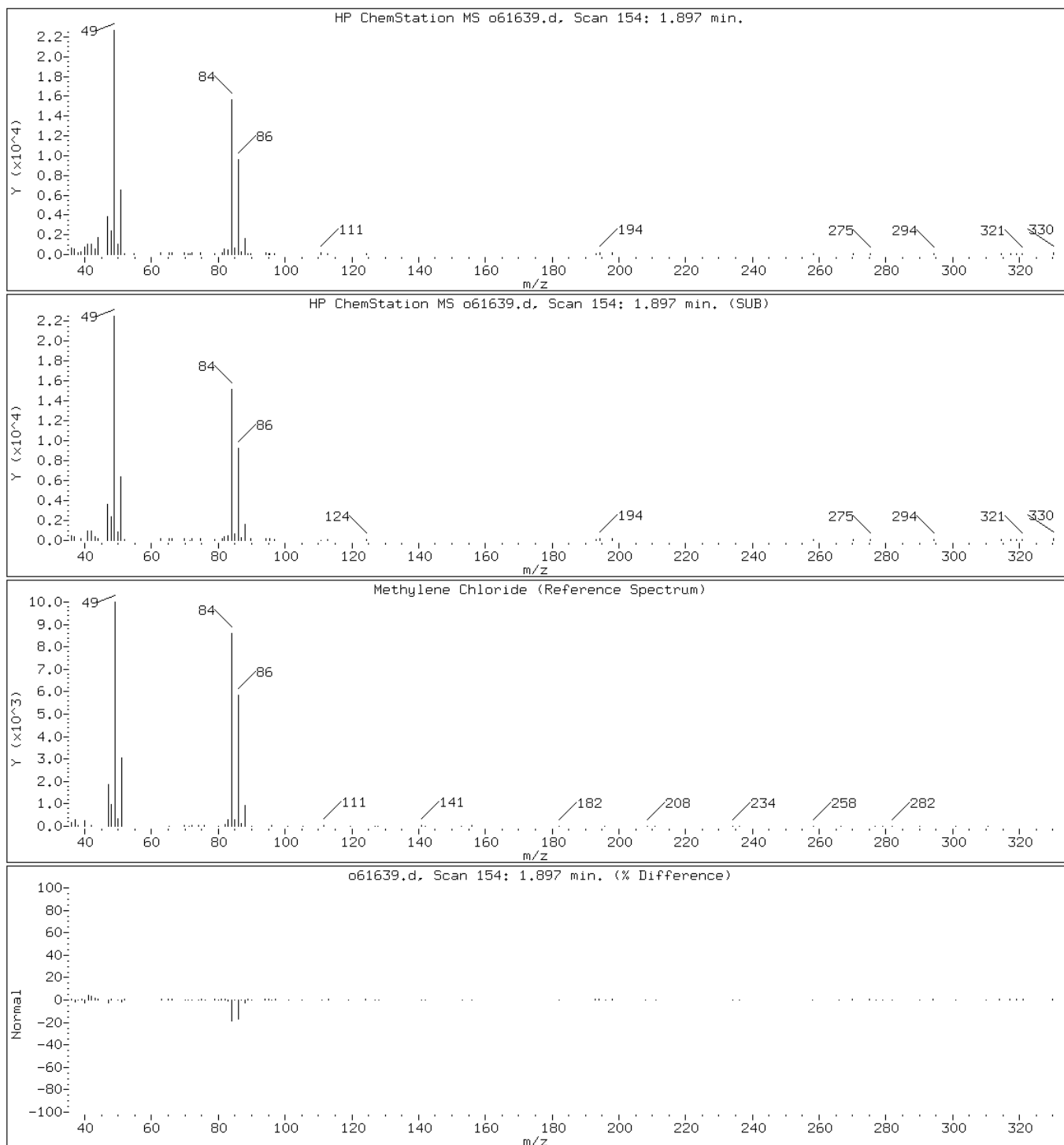
Client ID: F-12

Instrument: VOAMS12.i

Sample Info: 460-41546-B-21-A;;;4.09;5

Operator: VOAMS 9

6 Methylene Chloride



Data File: o61639.d

Date: 28-JUN-2012 09:31

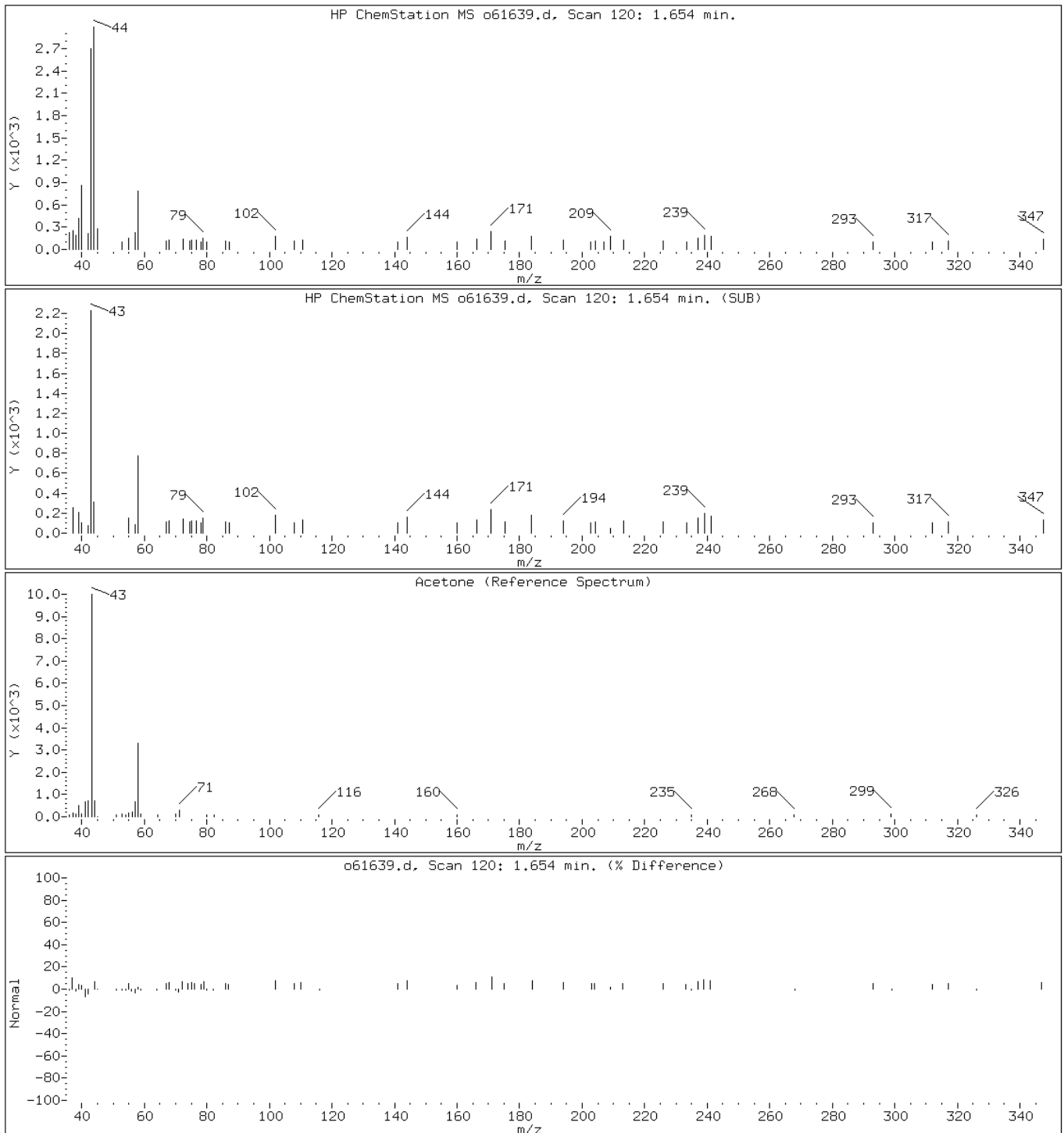
Client ID: F-12

Instrument: VOAMS12.i

Sample Info: 460-41546-B-21-A;;;4.09;5

Operator: VOAMS 9

7 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: F-13 Lab Sample ID: 460-41546-22

Matrix: Solid Lab File ID: o61647.d

Analysis Method: 8260B Date Collected: 06/20/2012 15:20

Sample wt/vol: 4.90(g) Date Analyzed: 06/28/2012 12:50

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 10.0 Level: (low/med) Low

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.18	U	1.1	0.18
74-83-9	Bromomethane	0.49	U	1.1	0.49
75-01-4	Vinyl chloride	0.39	U	1.1	0.39
75-00-3	Chloroethane	0.37	U	1.1	0.37
75-09-2	Methylene Chloride	7.3	B	1.1	0.17
67-64-1	Acetone	230	B	11	1.9
1330-20-7	Xylenes, Total	0.76	U	3.4	0.76
75-15-0	Carbon disulfide	0.90	J	1.1	0.17
75-69-4	Trichlorofluoromethane	0.18	U	1.1	0.18
75-35-4	1,1-Dichloroethene	0.22	U	1.1	0.22
75-34-3	1,1-Dichloroethane	0.12	U	1.1	0.12
156-60-5	trans-1,2-Dichloroethene	0.15	U	1.1	0.15
156-59-2	cis-1,2-Dichloroethene	0.30	J	1.1	0.12
67-66-3	Chloroform	0.27	U	1.1	0.27
78-93-3	2-Butanone	40		11	0.71
107-06-2	1,2-Dichloroethane	0.20	U	1.1	0.20
71-55-6	1,1,1-Trichloroethane	0.15	U	1.1	0.15
56-23-5	Carbon tetrachloride	0.17	U	1.1	0.17
71-43-2	Benzene	0.17	U	1.1	0.17
75-25-2	Bromoform	0.19	U	1.1	0.19
100-42-5	Styrene	0.32	U	1.1	0.32
100-41-4	Ethylbenzene	0.19	U	1.1	0.19
108-90-7	Chlorobenzene	0.20	U	1.1	0.20
110-82-7	Cyclohexane	0.15	U	1.1	0.15
98-82-8	Isopropylbenzene	0.12	U	1.1	0.12
591-78-6	2-Hexanone	0.15	U	11	0.15
1634-04-4	MTBE	0.12	U	1.1	0.12
76-13-1	Freon TF	0.12	U	1.1	0.12
79-20-9	Methyl acetate	0.36	U	1.1	0.36
123-91-1	1,4-Dioxane	14	U	57	14
79-01-6	Trichloroethene	0.14	U	1.1	0.14
108-88-3	Toluene	0.57	J	1.1	0.16
10061-02-6	trans-1,3-Dichloropropene	0.11	U	1.1	0.11
108-10-1	4-Methyl-2-pentanone	0.23	U	11	0.23
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.1	0.16
95-50-1	1,2-Dichlorobenzene	0.11	U	1.1	0.11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-13 Lab Sample ID: 460-41546-22
 Matrix: Solid Lab File ID: o61647.d
 Analysis Method: 8260B Date Collected: 06/20/2012 15:20
 Sample wt/vol: 4.90(g) Date Analyzed: 06/28/2012 12:50
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: 10.0 Level: (low/med) Low
 Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.18	U	1.1	0.18
106-46-7	1,4-Dichlorobenzene	0.31	J	1.1	0.12
120-82-1	1,2,4-Trichlorobenzene	0.22	U	1.1	0.22
87-61-6	1,2,3-Trichlorobenzene	0.18	U	1.1	0.18
78-87-5	1,2-Dichloropropane	0.17	U	1.1	0.17
108-87-2	Methylcyclohexane	0.11	U	1.1	0.11
127-18-4	Tetrachloroethene	0.14	U	1.1	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U	1.1	0.50
79-34-5	1,1,2,2-Tetrachloroethane	0.10	U	1.1	0.10
79-00-5	1,1,2-Trichloroethane	0.16	U	1.1	0.16
124-48-1	Dibromochloromethane	0.11	U	1.1	0.11
106-93-4	1,2-Dibromoethane	0.17	U	1.1	0.17
75-71-8	Dichlorodifluoromethane	0.25	U	1.1	0.25
74-97-5	Bromochloromethane	0.12	U	1.1	0.12
75-27-4	Bromodichloromethane	0.36	U	1.1	0.36

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		70-130
2037-26-5	Toluene-d8 (Surr)	94		70-130
460-00-4	Bromofluorobenzene	101		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-13 Lab Sample ID: 460-41546-22
Matrix: Solid Lab File ID: o61647.d
Analysis Method: 8260B Date Collected: 06/20/2012 15:20
Sample wt/vol: 4.90(g) Date Analyzed: 06/28/2012 12:50
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 10.0 Level: (low/med) Low
Analysis Batch No.: 117776 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/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61647.d
 Report Date: 29-Jun-2012 12:49

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61647.d
 Lab Smp Id: 460-41546-B-22-A Client Smp ID: F-13
 Inj Date : 28-JUN-2012 12:50
 Operator : VOAMS 9 Inst ID: VOAMS12.i
 Smp Info : 460-41546-B-22-A;;;4.90;5
 Misc Info : 460-41546-B-22-A
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 15:38 maryb Quant Type: ISTD
 Cal Date : 21-JUN-2012 23:37 Cal File: o61398.d
 Als bottle: 19
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.90000	Weight of sample extracted (g)
M	10.03401	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/Kg)
=====	=====	=====	=====	=====	=====	=====	=====	=====
M 14 1,2-Dichloroethene (total)	100					1636	0.26829	0.30(a)
7 Acetone	43		1.654	1.654	(0.446)	259166	202.102	230
8 Carbon Disulfide	76		1.732	1.732	(0.467)	12855	0.78929	0.90(a)
6 Methylene Chloride	84		1.897	1.897	(0.511)	30449	6.44044	7.3
13 cis-1,2-Dichloroethene	96		2.742	2.742	(0.739)	1636	0.26829	0.30(aH)
18 2-Butanone	72		2.778	2.771	(0.749)	18528	34.9362	40
\$ 16 1,2-Dichloroethane-d4 (SUR)	65		3.409	3.409	(0.919)	208572	56.2344	64
* 69 Fluorobenzene	96		3.709	3.702	(1.000)	749838	50.0000	
\$ 37 Toluene-d8 (SUR)	98		5.386	5.386	(0.741)	617058	47.0295	53
38 Toluene	91		5.464	5.464	(0.752)	13072	0.50281	0.57(a)
* 32 Chlorobenzene-d5	117		7.269	7.270	(1.000)	595711	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174		9.075	9.075	(0.830)	239904	50.3008	57
100 1,2,4-Trimethylbenzene	105		10.414	10.436	(0.952)	5689	0.21251	0.24(a)
* 91 1,4-Dichlorobenzene-d4	152		10.937	10.937	(1.000)	350797	50.0000	

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61647.d
Report Date: 29-Jun-2012 12:49

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS					ON-COLUMN	FINAL
=====	====	==	=====	=====	=====	(ug/L)	(ug/Kg)
=====	=====	=====	=====	=====	=====	=====	=====
68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)	3945	0.27187	0.31(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: o61647.d

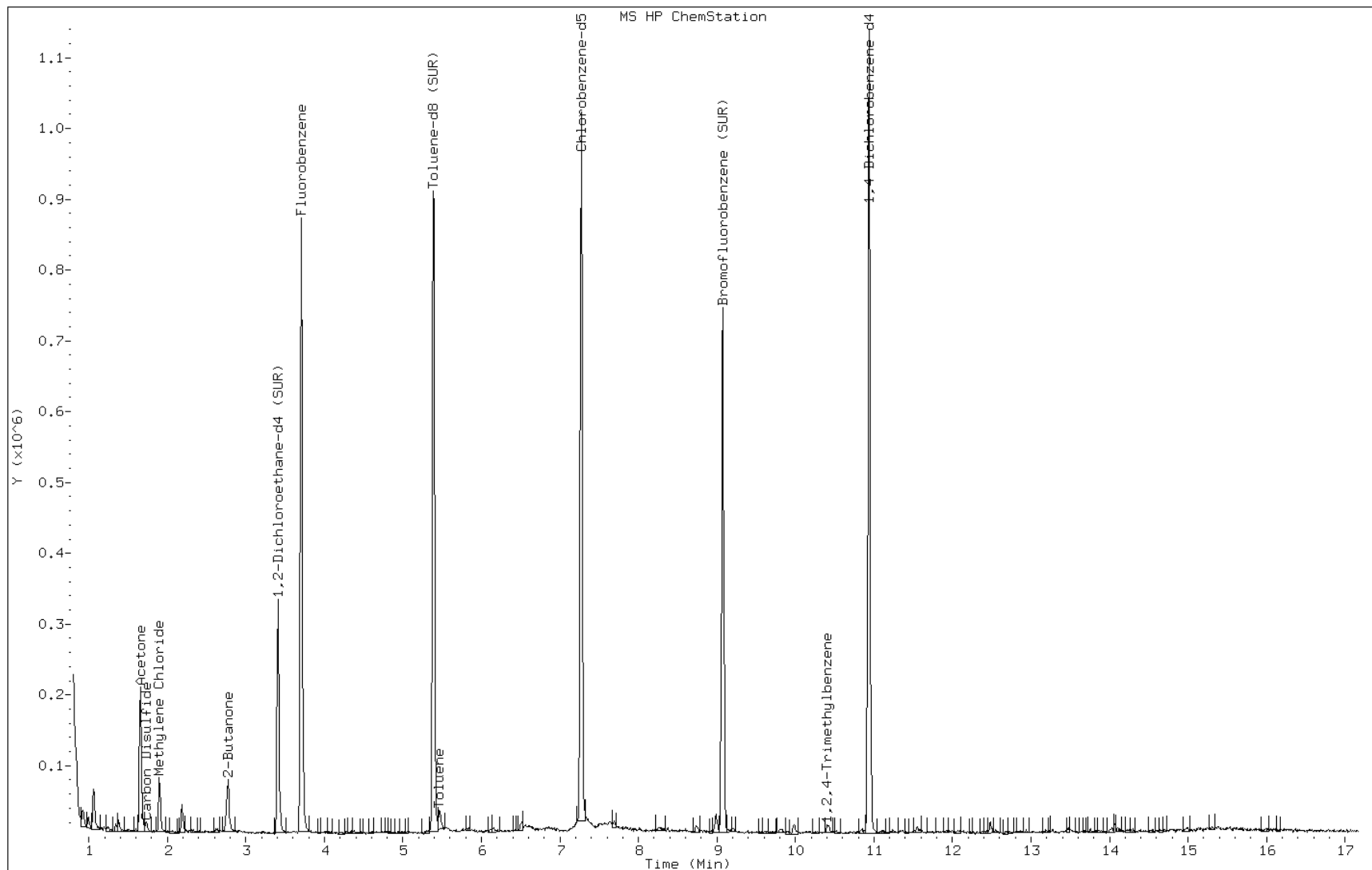
Date: 28-JUN-2012 12:50

Client ID: F-13

Instrument: VOAMS12.i

Sample Info: 460-41546-B-22-A;;;4.90;5

Operator: VOAMS 9



Data File: o61647.d

Date: 28-JUN-2012 12:50

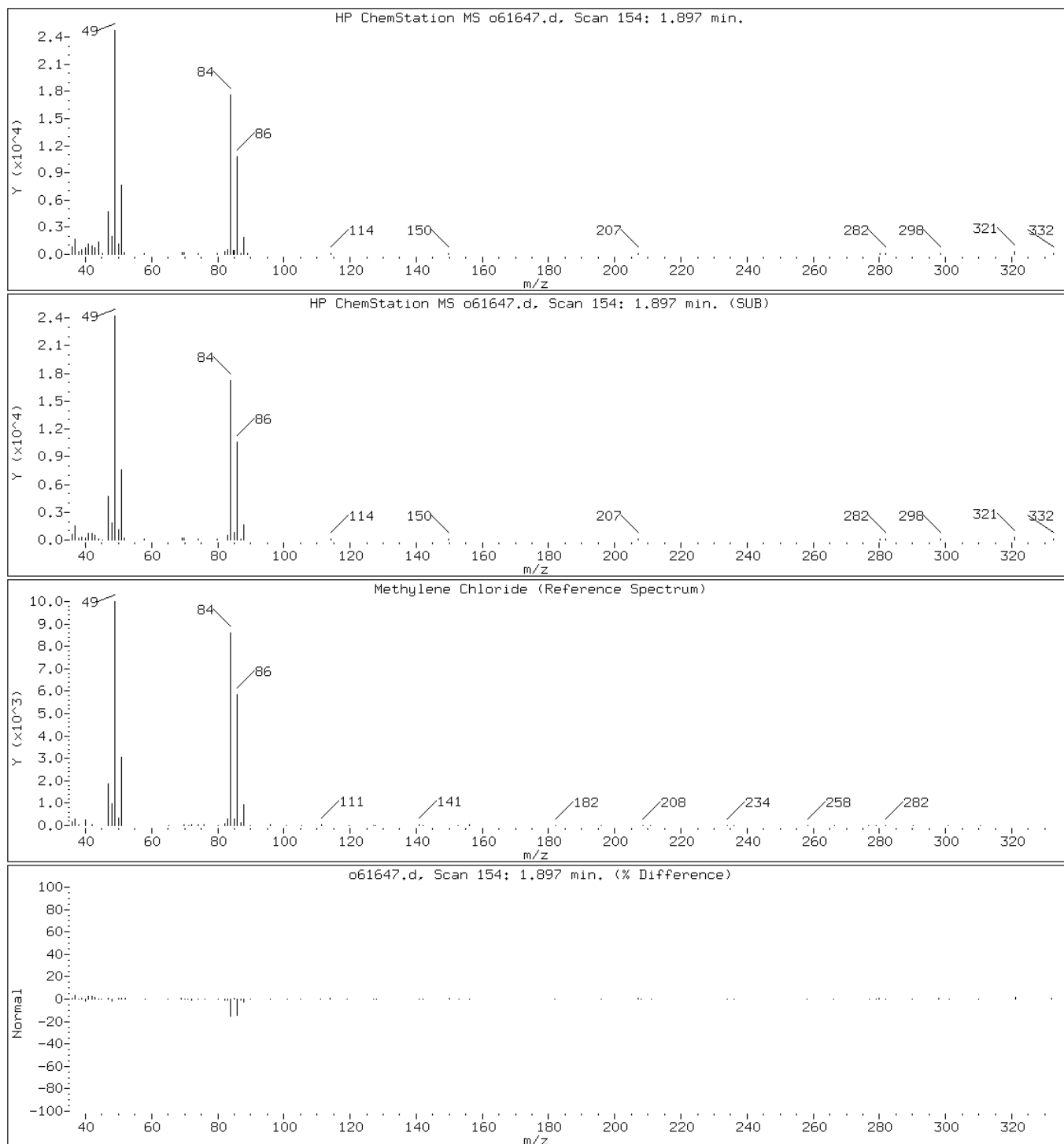
Client ID: F-13

Instrument: VOAMS12.i

Sample Info: 460-41546-B-22-A;;;4.90;5

Operator: VOAMS 9

6 Methylene Chloride



Data File: o61647.d

Date: 28-JUN-2012 12:50

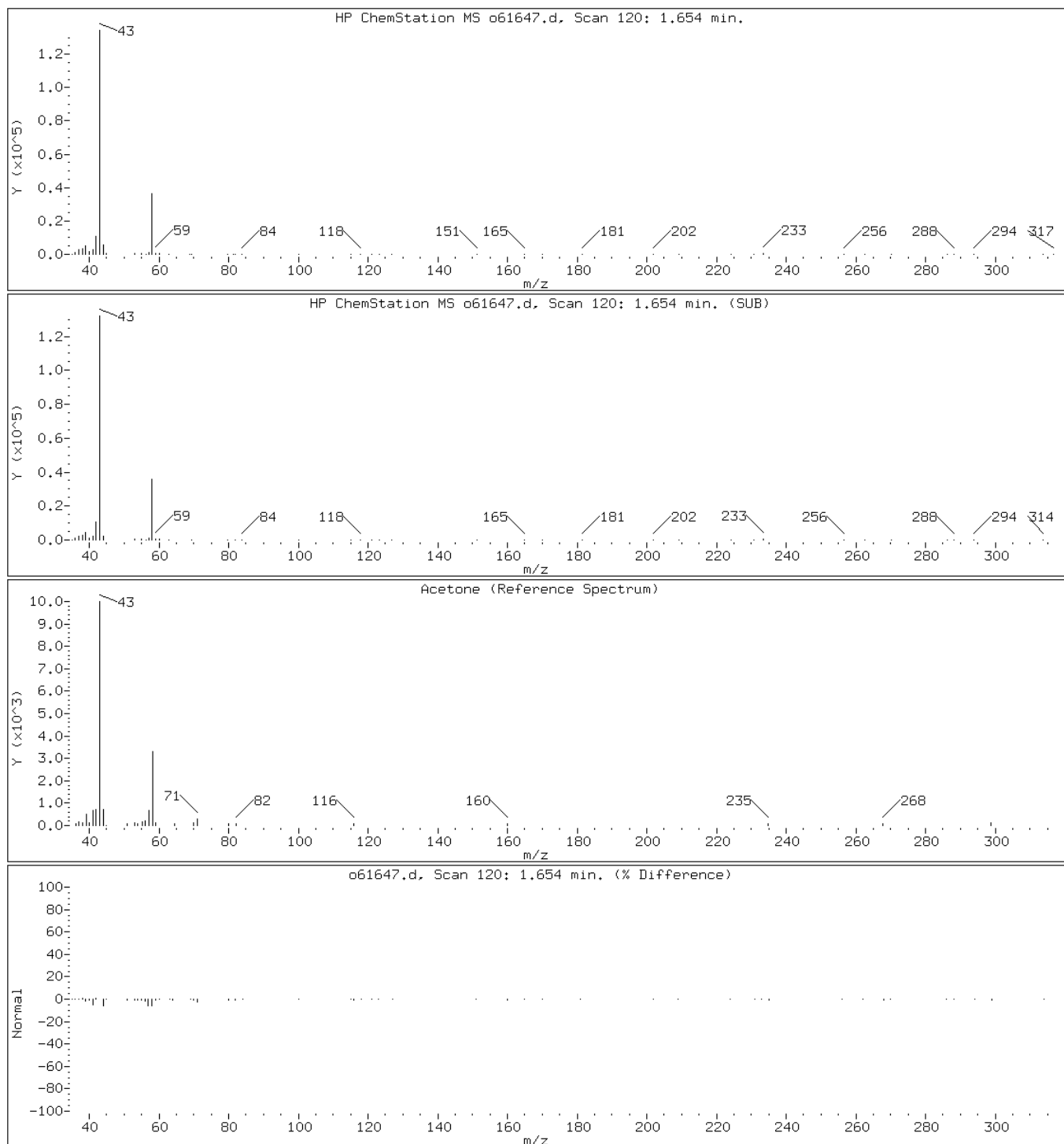
Client ID: F-13

Instrument: VOAMS12.i

Sample Info: 460-41546-B-22-A;;;4.90;5

Operator: VOAMS 9

7 Acetone



Data File: o61647.d

Date: 28-JUN-2012 12:50

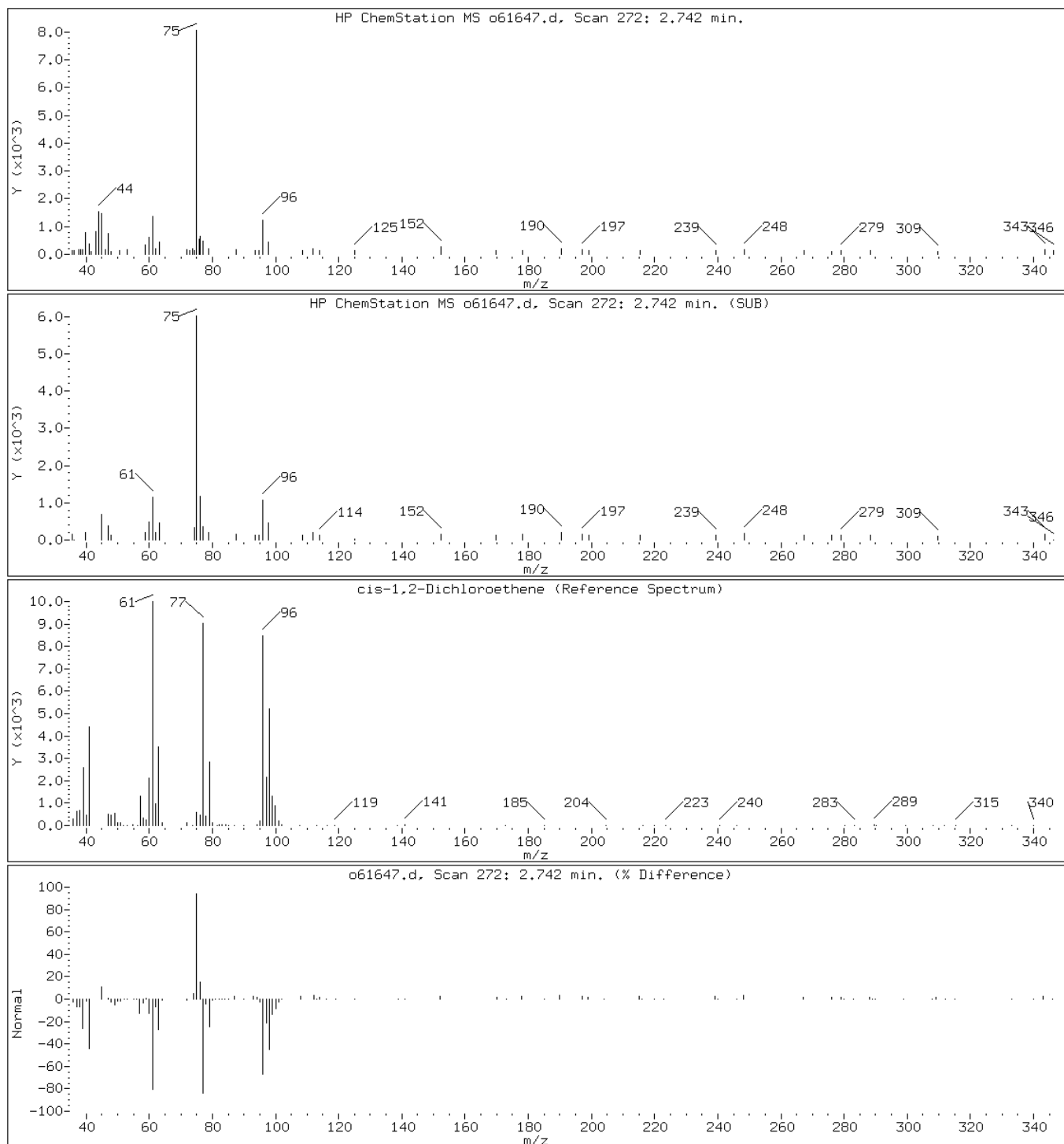
Client ID: F-13

Instrument: VOAMS12.i

Sample Info: 460-41546-B-22-A;;;4.90;5

Operator: VOAMS 9

13 cis-1,2-Dichloroethene



Data File: o61647.d

Date: 28-JUN-2012 12:50

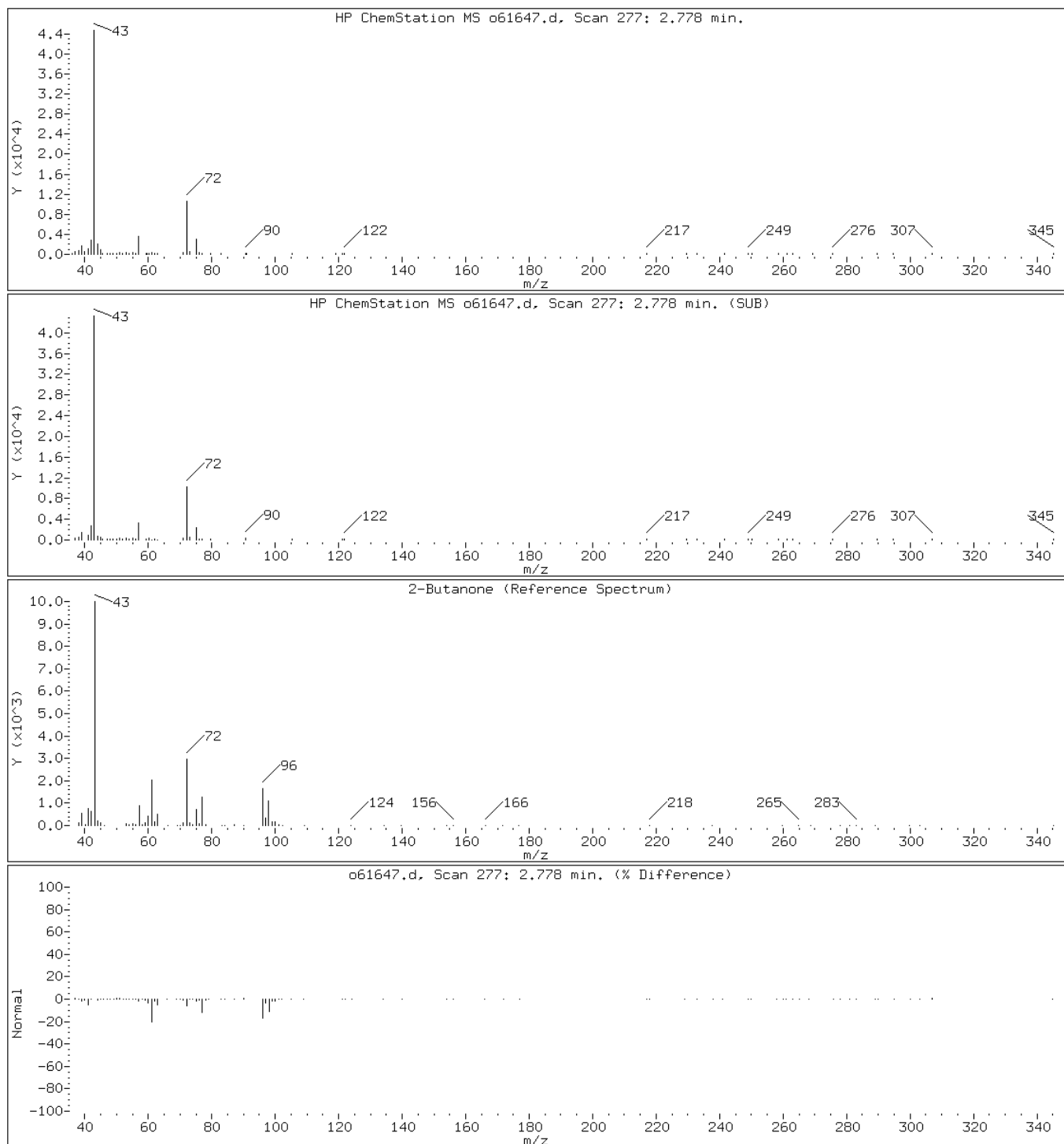
Client ID: F-13

Instrument: VOAMS12.i

Sample Info: 460-41546-B-22-A;;;4.90;5

Operator: VOAMS 9

18 2-Butanone



Data File: o61647.d

Date: 28-JUN-2012 12:50

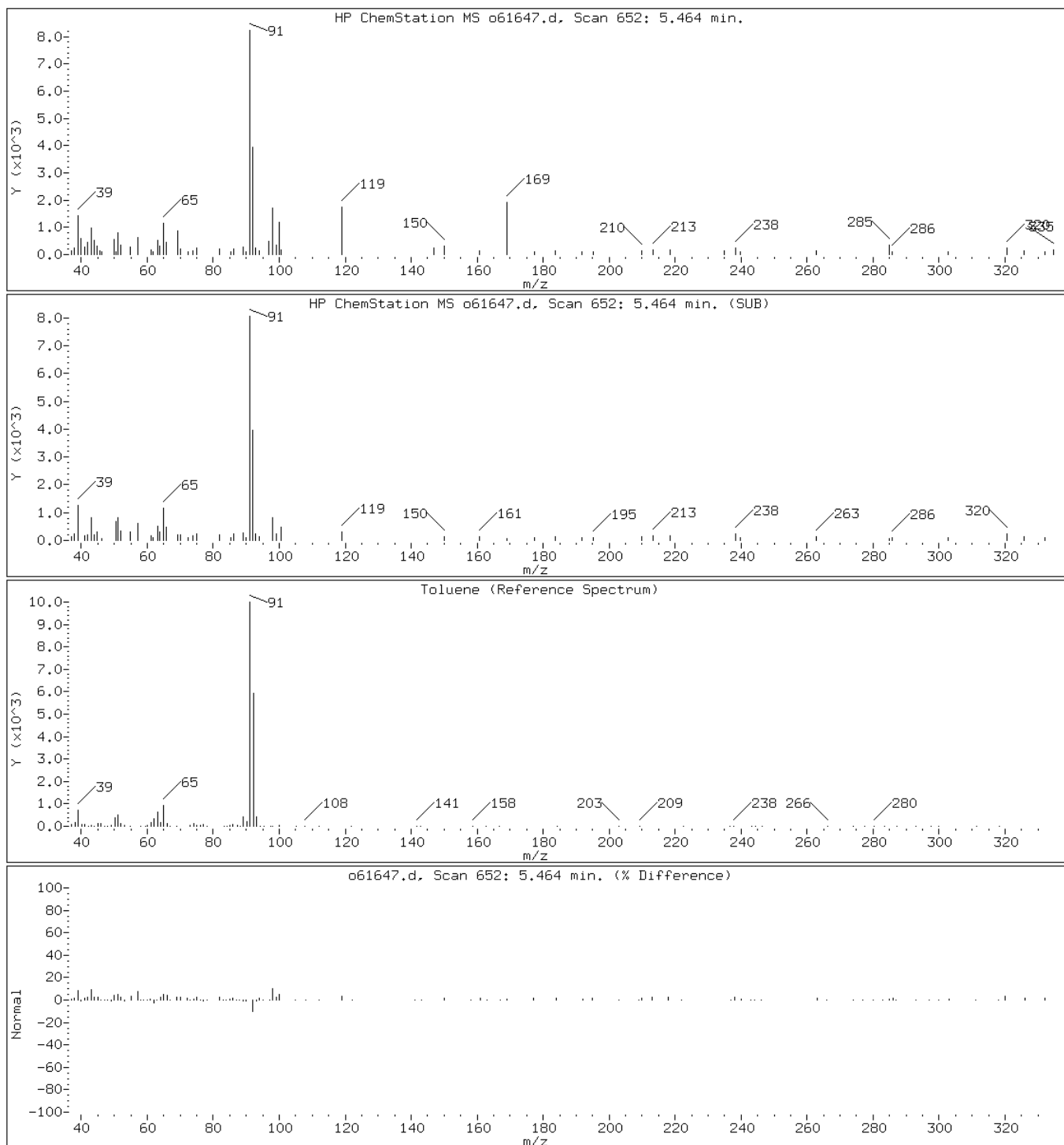
Client ID: F-13

Instrument: VOAMS12.i

Sample Info: 460-41546-B-22-A;;;4.90;5

Operator: VOAMS 9

38 Toluene



Data File: o61647.d

Date: 28-JUN-2012 12:50

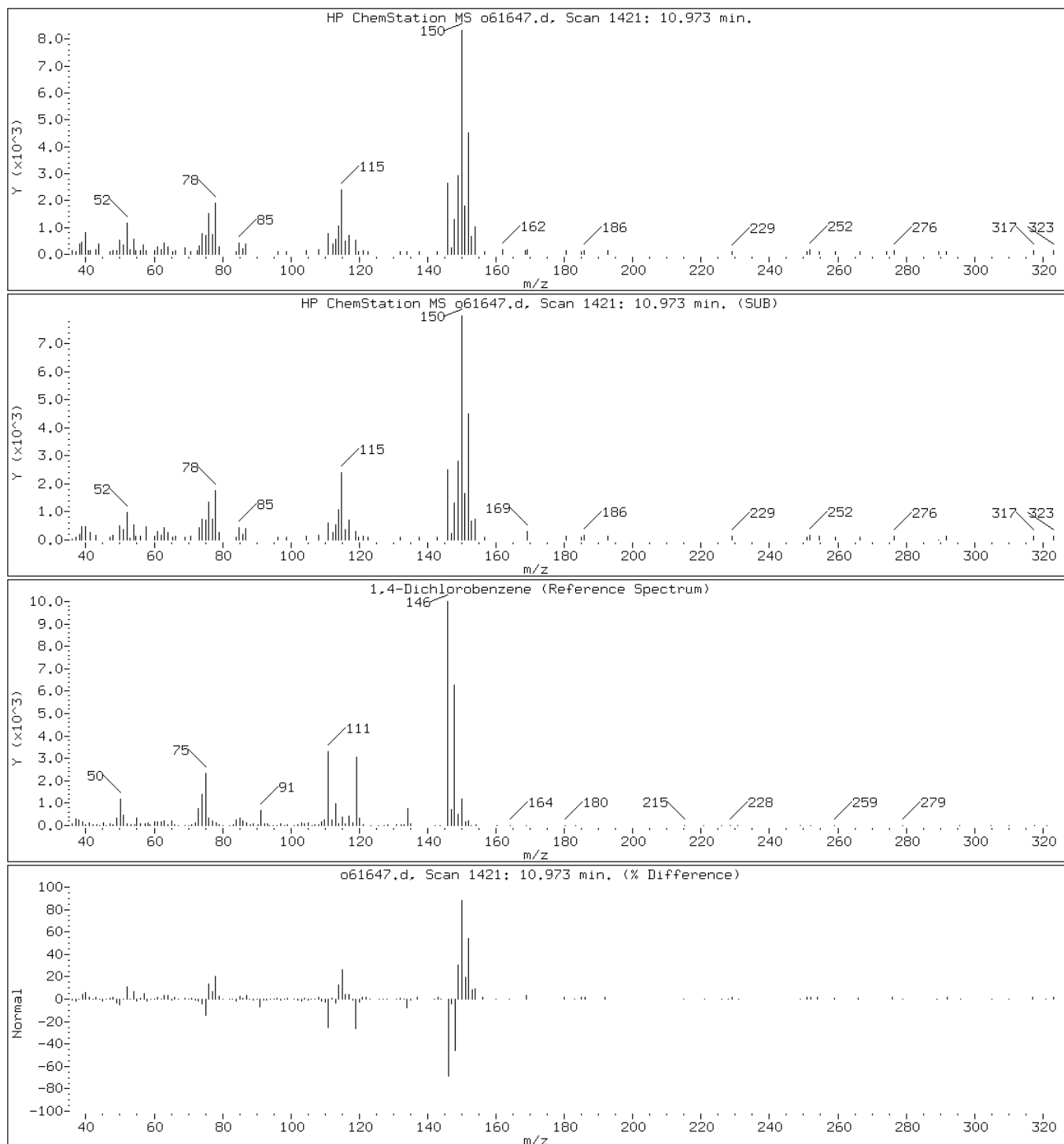
Client ID: F-13

Instrument: VOAMS12.i

Sample Info: 460-41546-B-22-A;;;4.90;5

Operator: VOAMS 9

68 1,4-Dichlorobenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: FB-E Lab Sample ID: 460-41546-23

Matrix: Solid Lab File ID: o61648.d

Analysis Method: 8260B Date Collected: 06/20/2012 00:00

Sample wt/vol: 6.42(g) Date Analyzed: 06/28/2012 13:15

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 11.9 Level: (low/med) Low

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.14	U	0.88	0.14
74-83-9	Bromomethane	0.38	U	0.88	0.38
75-01-4	Vinyl chloride	0.30	U	0.88	0.30
75-00-3	Chloroethane	0.29	U	0.88	0.29
75-09-2	Methylene Chloride	0.13	U	0.88	0.13
67-64-1	Acetone	3.1	J B	8.8	1.5
1330-20-7	Xylenes, Total	0.59	U	2.7	0.59
75-15-0	Carbon disulfide	0.13	U	0.88	0.13
75-69-4	Trichlorofluoromethane	0.14	U	0.88	0.14
75-35-4	1,1-Dichloroethene	0.17	U	0.88	0.17
75-34-3	1,1-Dichloroethane	0.097	U	0.88	0.097
156-60-5	trans-1,2-Dichloroethene	0.11	U	0.88	0.11
156-59-2	cis-1,2-Dichloroethene	0.097	U	0.88	0.097
67-66-3	Chloroform	0.21	U	0.88	0.21
78-93-3	2-Butanone	0.56	U	8.8	0.56
107-06-2	1,2-Dichloroethane	0.16	U	0.88	0.16
71-55-6	1,1,1-Trichloroethane	0.11	U	0.88	0.11
56-23-5	Carbon tetrachloride	0.13	U	0.88	0.13
71-43-2	Benzene	0.13	U	0.88	0.13
75-25-2	Bromoform	0.15	U	0.88	0.15
100-42-5	Styrene	0.25	U	0.88	0.25
100-41-4	Ethylbenzene	0.15	U	0.88	0.15
108-90-7	Chlorobenzene	0.16	U	0.88	0.16
110-82-7	Cyclohexane	0.11	U	0.88	0.11
98-82-8	Isopropylbenzene	0.097	U	0.88	0.097
591-78-6	2-Hexanone	0.11	U	8.8	0.11
1634-04-4	MTBE	0.097	U	0.88	0.097
76-13-1	Freon TF	0.097	U	0.88	0.097
79-20-9	Methyl acetate	0.28	U	0.88	0.28
123-91-1	1,4-Dioxane	11	U	44	11
79-01-6	Trichloroethene	0.11	U	0.88	0.11
108-88-3	Toluene	0.12	U	0.88	0.12
10061-02-6	trans-1,3-Dichloropropene	0.088	U	0.88	0.088
108-10-1	4-Methyl-2-pentanone	0.18	U	8.8	0.18
10061-01-5	cis-1,3-Dichloropropene	0.12	U	0.88	0.12
95-50-1	1,2-Dichlorobenzene	0.088	U	0.88	0.088

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: FB-E Lab Sample ID: 460-41546-23
 Matrix: Solid Lab File ID: o61648.d
 Analysis Method: 8260B Date Collected: 06/20/2012 00:00
 Sample wt/vol: 6.42(g) Date Analyzed: 06/28/2012 13:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: 11.9 Level: (low/med) Low
 Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.14	U	0.88	0.14
106-46-7	1,4-Dichlorobenzene	0.097	U	0.88	0.097
120-82-1	1,2,4-Trichlorobenzene	0.17	U	0.88	0.17
87-61-6	1,2,3-Trichlorobenzene	0.14	U	0.88	0.14
78-87-5	1,2-Dichloropropane	0.13	U	0.88	0.13
108-87-2	Methylcyclohexane	0.088	U	0.88	0.088
127-18-4	Tetrachloroethene	0.11	U	0.88	0.11
96-12-8	1,2-Dibromo-3-Chloropropane	0.39	U	0.88	0.39
79-34-5	1,1,2,2-Tetrachloroethane	0.080	U	0.88	0.080
79-00-5	1,1,2-Trichloroethane	0.12	U	0.88	0.12
124-48-1	Dibromochloromethane	0.088	U	0.88	0.088
106-93-4	1,2-Dibromoethane	0.13	U	0.88	0.13
75-71-8	Dichlorodifluoromethane	0.19	U	0.88	0.19
74-97-5	Bromochloromethane	0.097	U	0.88	0.097
75-27-4	Bromodichloromethane	0.28	U	0.88	0.28

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130
460-00-4	Bromofluorobenzene	97		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: FB-E Lab Sample ID: 460-41546-23
Matrix: Solid Lab File ID: o61648.d
Analysis Method: 8260B Date Collected: 06/20/2012 00:00
Sample wt/vol: 6.42(g) Date Analyzed: 06/28/2012 13:15
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 11.9 Level: (low/med) Low
Analysis Batch No.: 117776 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/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61648.d
 Report Date: 29-Jun-2012 12:50

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61648.d
 Lab Smp Id: 460-41546-B-23-A Client Smp ID: FB-E
 Inj Date : 28-JUN-2012 13:15
 Operator : VOAMS 9 Inst ID: VOAMS12.i
 Smp Info : 460-41546-B-23-A;;;6.42;5
 Misc Info : 460-41546-B-23-A
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 15:38 maryb Quant Type: ISTD
 Cal Date : 21-JUN-2012 23:37 Cal File: o61398.d
 Als bottle: 20
 Dil Factor: 1.00000
 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	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	6.42000	Weight of sample extracted (g)
M	11.85468	% 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)
7 Acetone	43	1.661	1.654	(0.448)	4570	3.46379	3.1(aH)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	203726	53.3871	47
* 69 Fluorobenzene	96	3.709	3.702	(1.000)	771478	50.0000	
\$ 37 Toluene-d8 (SUR)	98	5.386	5.386	(0.741)	664370	47.9177	42
* 32 Chlorobenzene-d5	117	7.269	7.270	(1.000)	629497	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	259492	48.2928	43
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	395217	50.0000	

QC Flag Legend

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

Data File: o61648.d

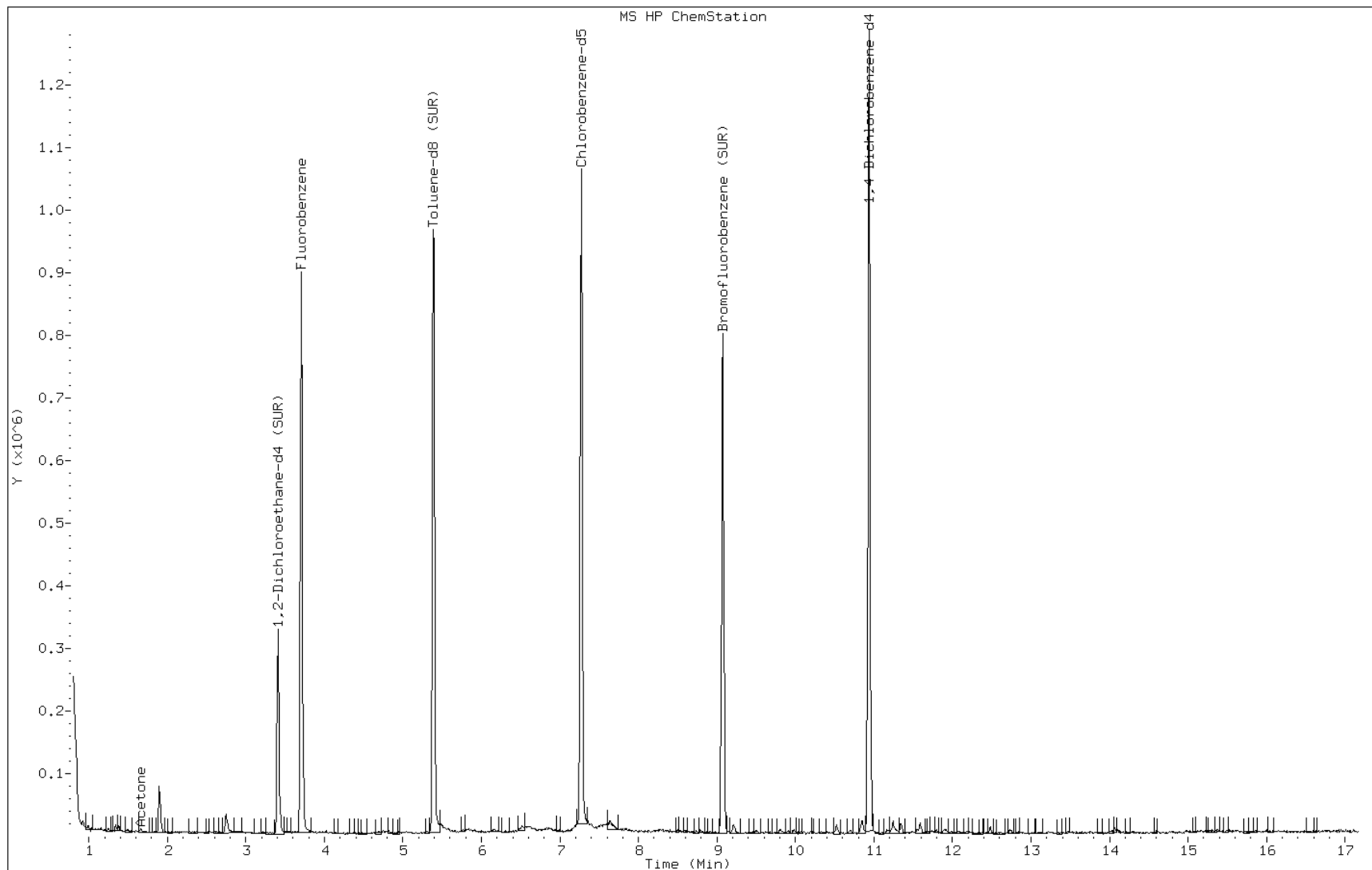
Date: 28-JUN-2012 13:15

Client ID: FB-E

Instrument: VOAMS12.i

Sample Info: 460-41546-B-23-A;;;6.42;5

Operator: VOAMS 9



Data File: o61648.d

Date: 28-JUN-2012 13:15

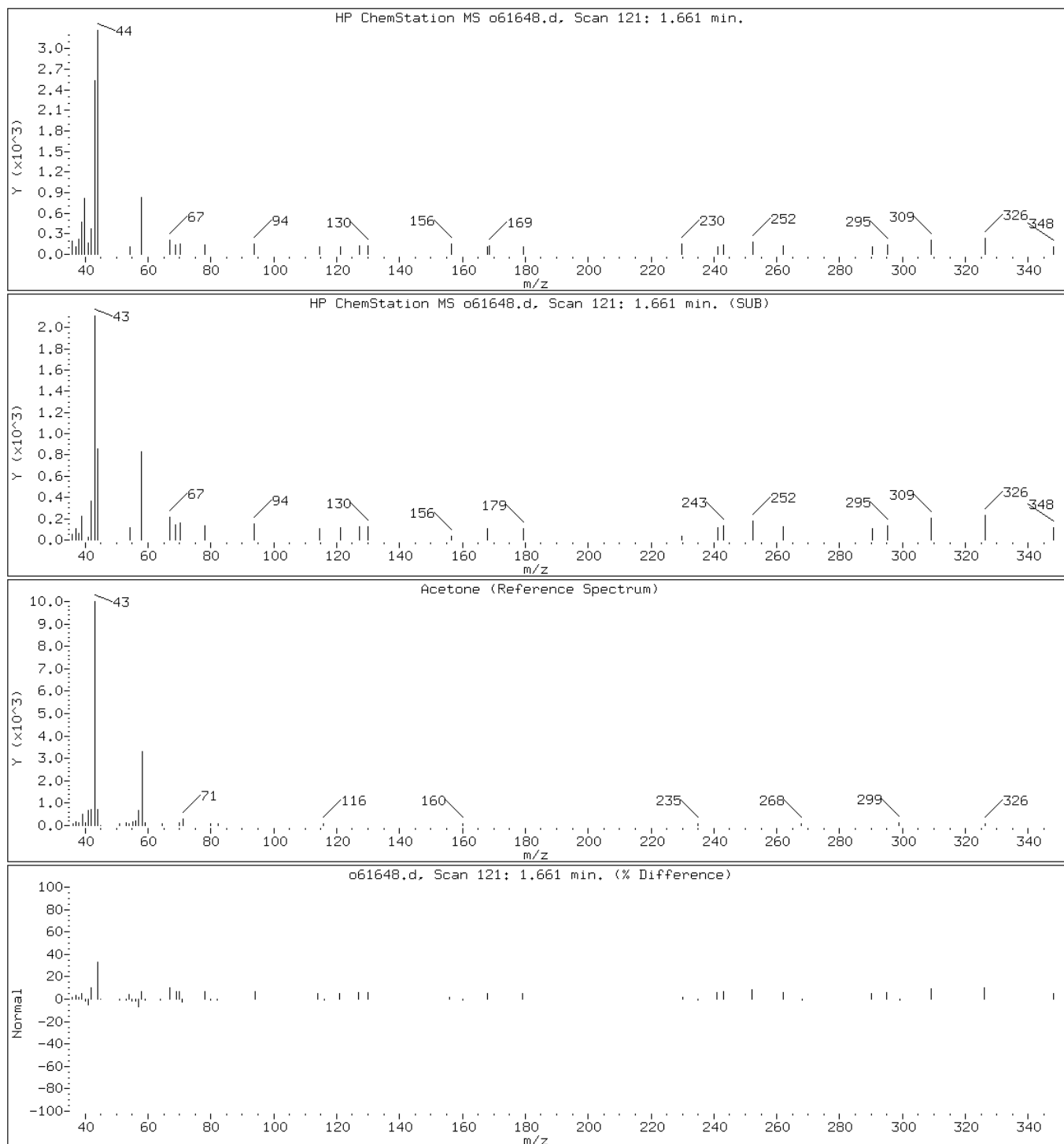
Client ID: FB-E

Instrument: VOAMS12.i

Sample Info: 460-41546-B-23-A;;;6.42;5

Operator: VOAMS 9

7 Acetone



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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117082

SDG No.: _____

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/21/2012 19:31 Calibration End Date: 06/21/2012 23:37 Calibration ID: 16130

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-117082/7	o61398.d
Level 2	IC 460-117082/2	o61389.d
Level 3	ICIS 460-117082/3	o61390.d
Level 4	IC 460-117082/4	o61391.d
Level 5	IC 460-117082/5	o61392.d
Level 6	IC 460-117082/6	o61393.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	0.5320 0.4080	0.5107	0.4976	0.4738	0.4220	Ave		0.4740				10.5		15.0			
Chloromethane	0.7156 0.4634	0.6486	0.5584	0.5377	0.4873	LinF		0.4677							0.9991		0.9900
Vinyl chloride	0.5626 0.4456	0.5811	0.5224	0.5142	0.4754	Ave		0.5169				9.9		30.0			
Bromomethane	0.4587 0.2749	0.3436	0.2863	0.2761	0.2738	LinF		0.2748							1.0000		0.9900
Chloroethane	0.3389 0.2573	0.2968	0.2861	0.2852	0.2681	Ave		0.2887				9.8		15.0			
Dichlorofluoromethane	0.8591 0.7062	0.9055	0.7472	0.7581	0.7085	Ave		0.7808				10.6		15.0			
Trichlorofluoromethane	0.8777 0.6295	0.8202	0.7153	0.6845	0.6428	Ave		0.7283				13.7		15.0			
Ethanol	0.0020 0.0020	0.0024	0.0018	0.0019	0.0017	Ave		0.0020				12.4		15.0			
Ethyl ether	0.3024 0.2527	0.2945	0.2760	0.2724	0.2623	Ave		0.2767				6.8		15.0			
Isopropene	0.5269 0.4856	0.4735	0.5170	0.5135	0.5083	Ave		0.5042				4.0		15.0			
Acrolein	0.0525 0.0420	0.0546	0.0457	0.0443	0.0406	Ave		0.0466				12.3		15.0			
1,1-Dichloroethene	0.3716 0.2840	0.3314	0.2910	0.2849	0.2728	Ave		0.3060				12.4		30.0			
Freon TF	0.3760 0.3361	0.3906	0.3709	0.3582	0.3483	Ave		0.3633				5.4		15.0			
Acetone	0.1522 0.0855	0.1311	0.1055	0.0959	0.0831	LinF		0.0855							0.9997		0.9900
Iodomethane	0.4255 0.4023	0.4486	0.4349	0.4553	0.4200	Ave		0.4311				4.5		15.0			

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 EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117082

SDG No.: _____

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/21/2012 19:31 Calibration End Date: 06/21/2012 23:37 Calibration ID: 16130

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								
Carbon disulfide	1.2678 1.0075	1.0990	1.0571	1.0687	1.0159	Ave		1.0860				8.8		15.0			
Acetonitrile	0.0733 0.0395	0.0590	0.0479	0.0444	0.0395	LinF		0.0396							0.9997		0.9900
Methyl acetate	0.0726 0.0518	0.0644	0.0532	0.0513	0.0505	LinF		0.0516							0.9999		0.9900
Methylene Chloride	0.7713 0.3150	0.5565	0.3792	0.3510	0.3131	LinF		0.3153							0.9997		0.9900
TBA	0.0432 0.0339	0.0378	0.0334	0.0317	0.0299	Ave		0.0350				13.8		15.0			
trans-1,2-Dichloroethene	0.4159 0.3371	0.3758	0.3567	0.3465	0.3277	Ave		0.3600				8.9		15.0			
Acrylonitrile	0.1407 ++++	0.1387	0.1124	0.1098	0.1072	Ave		0.1218				13.5		15.0			
MTBE	0.8611 0.9019	0.8770	0.8543	0.8816	0.8986	Ave		0.8791				2.2		15.0			
Hexane	0.3572 0.3155	0.2758	0.3311	0.3493	0.3226	Ave		0.3253				8.9		15.0			
1,1-Dichloroethane	0.8531 0.6484	0.8199	0.6955	0.6971	0.6428	Ave		0.7261			0.1000	12.3		15.0			
Vinyl acetate	1.1673 1.1089	1.0497	1.0649	1.1094	1.1311	Ave		1.1052				3.9		15.0			
DIPE	1.0145 1.2424	1.1062	1.1474	1.2213	1.2592	Ave		1.1652				8.1		15.0			
Tert-butyl ethyl ether	0.8802 1.0474	0.9071	0.9794	1.0143	1.0461	Ave		0.9791				7.3		15.0			
2,2-Dichloropropane	0.8049 0.5790	0.6630	0.5883	0.5847	0.5623	Ave		0.6304				14.6		15.0			
cis-1,2-Dichloroethene	0.4781 0.3758	0.4558	0.3867	0.3814	0.3618	Ave		0.4066				11.8		15.0			
2-Butanone	0.0378 0.0323	0.0397	0.0344	0.0339	0.0341	Ave		0.0354				7.9		15.0			
Ethyl acetate	0.0214 0.0270	0.0287	0.0261	0.0262	0.0264	Ave		0.0260				9.4		15.0			
Bromochloromethane	0.2123 0.1469	0.1854	0.1518	0.1548	0.1430	LinF		0.1465							0.9998		0.9900
Chloroform	0.7945 0.6057	0.7340	0.6249	0.6350	0.5951	Ave		0.6649				12.1		30.0			
1,1,1-Trichloroethane	0.5927 0.5664	0.5933	0.5667	0.5734	0.5513	Ave		0.5740				2.9		15.0			

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 EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117082

SDG No.: _____

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/21/2012 19:31 Calibration End Date: 06/21/2012 23:37 Calibration ID: 16130

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								
Cyclohexane	0.7943 0.7031	0.7754	0.7980	0.7513	0.7156	Ave		0.7563				5.3		15.0			
Carbon tetrachloride	0.4291 0.4835	0.4163	0.4226	0.4571	0.4541	Ave		0.4438				5.8		15.0			
1,1-Dichloropropene	0.5208 0.5714	0.5276	0.5406	0.5675	0.5561	Ave		0.5473				3.8		15.0			
Benzene	1.4313 1.4055	1.4205	1.3829	1.4203	1.3896	Ave		1.4084				1.4		15.0			
1,2-Dichloroethane	0.5490 0.4255	0.5115	0.4355	0.4322	0.4134	Ave		0.4612				12.0		15.0			
Isopropyl acetate	0.5102 0.7141	0.5501	0.6081	0.6454	0.6928	Ave		0.6201				12.9		15.0			
Tert-amyl methyl ether	0.6739 0.8645	0.6699	0.7270	0.7660	0.8219	Ave		0.7539				10.5		15.0			
Trichloroethene	0.3405 0.3612	0.3187	0.3426	0.3559	0.3519	Ave		0.3451				4.4		15.0			
n-Butanol	0.0052 0.0059	0.0052	0.0045	0.0049	0.0048	Ave		0.0051				9.6		15.0			
Ethyl acrylate	0.0139 0.0157	0.0151	0.0147	0.0145	0.0149	Ave		0.0148				4.1		15.0			
Methylcyclohexane	0.6036 0.6854	0.6237	0.6708	0.6727	0.6788	Ave		0.6558				5.1		15.0			
1,2-Dichloropropane	0.3616 0.3517	0.3585	0.3436	0.3567	0.3483	Ave		0.3534				1.9		30.0			
Dibromomethane	0.2249 0.1729	0.2015	0.1739	0.1755	0.1671	Ave		0.1860				12.1		15.0			
Methyl methacrylate	0.1904 0.1805	0.1599	0.1694	0.1725	0.1748	Ave		0.1746				5.9		15.0			
1,4-Dioxane	0.0047 0.0034	0.0046	0.0037	0.0038	0.0034	Ave		0.0039				14.5		15.0			
Propyl acetate	0.3129 0.4210	0.3472	0.3721	0.3923	0.4099	Ave		0.3759				10.8		15.0			
Bromodichloromethane	0.3856 0.4443	0.4142	0.4022	0.4283	0.4326	Ave		0.4179				5.2		15.0			
2-Chloroethyl vinyl ether	0.1666 0.1667	0.1466	0.1509	0.1580	0.1645	Ave		0.1589				5.4		15.0			
Epichlorohydrin	0.0350 0.0297	0.0310	0.0294	0.0303	0.0288	Ave		0.0307				7.3		15.0			
cis-1,3-Dichloropropene	0.4518 0.5415	0.4130	0.4663	0.5162	0.5281	Ave		0.4861				10.3		15.0			

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 EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117082

SDG No.: _____

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/21/2012 19:31 Calibration End Date: 06/21/2012 23:37 Calibration ID: 16130

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								
4-Methyl-2-pentanone	0.2398 0.2693	0.2600	0.2513	0.2536	0.2663	Ave		0.2567				4.2		15.0			
Toluene	2.4580 2.0991	2.2131	2.1399	2.1132	2.0692	Ave		2.1821				6.6		30.0			
trans-1,3-Dichloropropene	0.4439 0.7165	0.4437	0.5495	0.6441	0.7017	QuaF		1.4631	-0.010						0.9999		0.9900
1,1,2-Trichloroethane	0.3009 0.3217	0.2754	0.2845	0.3170	0.3178	Ave		0.3029				6.4		15.0			
Tetrachloroethene	0.5057 0.5304	0.4833	0.4899	0.4994	0.5064	Ave		0.5025				3.3		15.0			
1,3-Dichloropropane	0.6484 0.6961	0.6529	0.6603	0.6916	0.6888	Ave		0.6730				3.2		15.0			
2-Hexanone	0.2672 0.2880	0.2704	0.2797	0.2781	0.2824	Ave		0.2777				2.8		15.0			
Dibromochloromethane	0.3329 0.4522	0.2857	0.3367	0.3956	0.4343	QuaF		2.3891	-0.039						0.9999		0.9900
Butyl acetate	0.7095 0.6766	0.6018	0.6347	0.6472	0.6410	Ave		0.6518				5.7		15.0			
1,2-Dibromoethane	0.3141 0.3702	0.3110	0.3394	0.3604	0.3623	Ave		0.3429				7.5		15.0			
Chlorobenzene	1.3983 1.3174	1.2987	1.2527	1.2819	1.2476	Ave		1.2994			0.3000	4.3		15.0			
1,1,1,2-Tetrachloroethane	0.2964 0.4811	0.3151	0.3649	0.4001	0.4477	QuaF		2.3527	-0.057						0.9999		0.9900
Ethylbenzene	0.7225 0.7567	0.6844	0.7151	0.7216	0.6990	Ave		0.7166				3.4		30.0			
m&p-Xylene	1.0058 0.9524	0.9256	0.8847	0.8783	0.8630	Ave		0.9183				5.9		15.0			
o-Xylene	0.9420 0.8907	0.8745	0.8393	0.8649	0.8162	Ave		0.8713				5.0		15.0			
Styrene	1.5787 1.5411	1.5132	1.4479	1.4576	1.4111	Ave		1.4916				4.2		15.0			
Butyl acrylate	1.5813 1.6097	1.3508	1.5123	1.5109	1.5155	Ave		1.5134				5.9		15.0			
Bromoform	0.1878 0.2785	0.1532	0.1824	0.2153	0.2450	QuaF		4.3966	-0.290		0.1000				0.9999		0.9900
Amly acetate	0.5569 0.4769	0.4417	0.4497	0.4599	0.4423	Ave		0.4712				9.3		15.0			
Isopropylbenzene	2.4618 2.4429	2.4781	2.4019	2.4227	2.3577	Ave		2.4275				1.8		15.0			

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 EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117082

SDG No.: _____

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/21/2012 19:31 Calibration End Date: 06/21/2012 23:37 Calibration ID: 16130

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								
Camphene, Total	0.5490 0.5403	0.4833	0.5192	0.5142	0.5343	Ave		0.5234				4.5		15.0			
Monobromobenzene	1.0870 1.0394	0.9848	0.9591	0.9648	0.9600	Ave		0.9992				5.3		15.0			
1,1,2,2-Tetrachloroethane	0.8364 0.9762	0.7727	0.8347	0.8842	0.9233	Ave		0.8712			0.3000	8.3		15.0			
1,2,3-Trichloropropane	0.2609 0.2765	0.2383	0.2332	0.2438	0.2600	Ave		0.2521				6.5		15.0			
trans-1,4-Dichloro-2-butene	0.0963 0.1078	0.0950	0.0924	0.0976	0.0993	Ave		0.0981				5.4		15.0			
N-Propylbenzene	5.3771 5.6376	5.6524	5.6217	5.6583	5.7430	Ave		5.6150				2.2		15.0			
2-Chlorotoluene	3.1017 3.3823	3.1942	3.1290	3.0716	3.1611	Ave		3.1733				3.5		15.0			
4-Chlorotoluene	3.5159 3.5032	3.2404	3.2139	3.2060	3.2669	Ave		3.3244				4.4		15.0			
1,3,5-Trimethylbenzene	3.6485 4.0611	3.7516	3.6880	3.7452	3.7634	Ave		3.7763				3.9		15.0			
Butyl Methacrylate	1.2962 1.4355	1.1432	1.2590	1.3586	1.3767	Ave		1.3115				7.9		15.0			
tert-Butylbenzene	3.3614 3.6638	3.2871	3.2951	3.3370	3.4176	Ave		3.3937				4.1		15.0			
1,2,4-Trimethylbenzene	3.7018 4.0677	3.7662	3.7441	3.7809	3.8336	Ave		3.8157				3.4		15.0			
sec-Butylbenzene	5.1897 5.3659	5.1408	5.1737	5.2801	5.3716	Ave		5.2537				1.9		15.0			
1,3-Dichlorobenzene	2.2916 2.0943	2.0431	1.9524	1.9425	1.9851	Ave		2.0515				6.4		15.0			
1,4-Dichlorobenzene	2.3568 2.1390	2.0355	1.9542	1.9266	1.9970	Ave		2.0682				7.7		15.0			
p-Isopropyltoluene	4.0917 4.5728	4.2629	4.2701	4.2618	4.3791	Ave		4.3064				3.7		15.0			
Benzyl chloride	1.0127 1.8832	0.9556	1.2330	1.4624	1.8033	QuaF		0.5828	-0.003						0.9997		0.9900
1,2-Dichlorobenzene	2.0865 1.9281	1.9075	1.8434	1.8428	1.8596	Ave		1.9113				4.9		15.0			
n-Butylbenzene	4.3324 4.0719	4.3847	4.5020	4.4646	4.5132	Ave		4.3781				3.8		15.0			
1,2-Dibromo-3-Chloropropane	0.2247 0.1888	0.1647	0.1551	0.1703	0.1802	Ave		0.1806				13.6		15.0			

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 EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117082

SDG No.: _____

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/21/2012 19:31 Calibration End Date: 06/21/2012 23:37 Calibration ID: 16130

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								
Camphor	0.1061 0.1028	0.1005	0.0983	0.1057	0.1042	Ave		0.1029				3.0		15.0			
1,2,4-Trichlorobenzene	1.8064 1.5231	1.5392	1.4479	1.4688	1.4711	Ave		1.5427				8.7		15.0			
Hexachlorobutadiene	1.0886 0.9638	0.8632	0.8863	0.9089	0.9133	Ave		0.9373				8.7		15.0			
Naphthalene	4.2644 2.8640	3.2866	3.2251	3.2688	3.1444	Ave		3.3422				14.3		15.0			
1,2,3-Trichlorobenzene	1.7792 1.3842	1.3709	1.3545	1.3617	1.3343	Ave		1.4308				12.0		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2618 0.2265	0.2742	0.2481	0.2415	0.2317	Ave		0.2473				7.3		15.0			
Toluene-d8 (Surr)	1.0249 1.0867	1.1136	1.1256	1.1260	1.1308	Ave		1.1013				3.7		15.0			
Bromofluorobenzene	0.6357 0.7176	0.6791	0.6718	0.6730	0.7016	Ave		0.6798				4.1		15.0			

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.: 460-41546-1 Analy Batch No.: 117082

SDG No.: _____

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/21/2012 19:31 Calibration End Date: 06/21/2012 23:37 Calibration ID: 16130

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-117082/7	o61398.d
Level 2	IC 460-117082/2	o61389.d
Level 3	ICIS 460-117082/3	o61390.d
Level 4	IC 460-117082/4	o61391.d
Level 5	IC 460-117082/5	o61392.d
Level 6	IC 460-117082/6	o61393.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	Ave	8331 4744795	45609	208831	516578	1915009	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	LinF	11206 5389689	57929	234320	586266	2211159	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	8809 5181569	51895	219213	560592	2157171	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	LinF	7182 3197316	30684	120149	301007	1242406	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	5307 2992754	26509	120048	310901	1216520	1.00 500	5.00	20.0	50.0	200
Dichlorofluoromethane	FB	Ave	13452 8212709	80875	313543	826464	3215102	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	13744 7320366	73256	300182	746239	2917184	1.00 500	5.00	20.0	50.0	200
Ethanol	FB	Ave	31838 282283	86999	115969	164378	195983	1000 6000	2000	3000	4000	5000
Ethyl ether	FB	Ave	4735 2939045	26304	115808	296947	1190333	1.00 500	5.00	20.0	50.0	200
Isopropene	FB	Ave	8251 5647584	42291	216954	559868	2306790	1.00 500	5.00	20.0	50.0	200
Acrolein	FB	Ave	82278 585515	195020	287483	385952	460720	100 600	200	300	400	500
1,1-Dichloroethene	FB	Ave	5818 3303332	29600	122124	310628	1238148	1.00 500	5.00	20.0	50.0	200
Freon TF	FB	Ave	5887 3909072	34883	155623	390556	1580727	1.00 500	5.00	20.0	50.0	200
Acetone	FB	LinF	23834 1989515	35132	44278	104584	376988	10.0 1000	15.0	20.0	50.0	200
Iodomethane	FB	Ave	6663 4678990	40063	182502	496420	1905963	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	19852 11717315	98152	443613	1165181	4610021	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.: 460-41546-1 Analy Batch No.: 117082

SDG No.: _____

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/21/2012 19:31 Calibration End Date: 06/21/2012 23:37 Calibration ID: 16130

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
Acetonitrile	FB	LinF	22956 9187958	105440	401679	968082	3587112	20.0 10000	100	400	1000	4000
Methyl acetate	FB	LinF	1137 601990	5750	22320	55896	229295	1.00 500	5.00	20.0	50.0	200
Methylene Chloride	FB	LinF	12077 3663637	49706	159140	382646	1420839	1.00 500	5.00	20.0	50.0	200
TBA	FB	Ave	13525 7880939	67566	280254	690170	2712509	20.0 10000	100	400	1000	4000
trans-1,2-Dichloroethene	FB	Ave	6513 3920230	33567	149680	377743	1487186	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	FB	Ave	110138 +++++	247802	353823	479036	608153	50.0 +++++	100	150	200	250
MTBE	FB	Ave	13484 10488609	78327	358490	961166	4077975	1.00 500	5.00	20.0	50.0	200
Hexane	FB	Ave	5593 3668639	24633	138949	380843	1464035	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	13358 7540078	73231	291860	759964	2916765	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	18278 12896432	93750	446851	1209533	5132738	1.00 500	5.00	20.0	50.0	200
DIPE	FB	Ave	15885 14448441	98799	481480	1331510	5714337	1.00 500	5.00	20.0	50.0	200
Tert-butyl ethyl ether	FB	Ave	13783 12180298	81013	410999	1105851	4746899	1.00 500	5.00	20.0	50.0	200
2,2-Dichloropropane	FB	Ave	12603 6733869	59216	246886	637454	2551698	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	7487 4370966	40709	162290	415819	1641661	1.00 500	5.00	20.0	50.0	200
2-Butanone	FB	Ave	5919 752244	10638	14430	36916	154688	10.0 1000	15.0	20.0	50.0	200
Ethyl acetate	FB	Ave	670 628083	5135	21895	57193	239727	2.00 1000	10.0	40.0	100	400
Bromochloromethane	FB	LinF	3325 1708290	16557	63682	168770	648782	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	12440 7044021	65559	262216	692317	2700637	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	9281 6586502	52986	237808	625153	2501547	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	Ave	12438 8176247	69256	334872	819045	3247343	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	6719 5622453	37179	177343	498385	2060658	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.: 460-41546-1 Analy Batch No.: 117082

SDG No.: _____

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/21/2012 19:31 Calibration End Date: 06/21/2012 23:37 Calibration ID: 16130

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
1,1-Dichloropropene	FB	Ave	8155 6644951	47122	226841	618716	2523458	1.00 500	5.00	20.0	50.0	200
Benzene	FB	Ave	22412 16345655	126868	580317	1548503	6305736	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	8597 4948497	45685	182763	471206	1876173	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	15977 16609122	98256	510377	1407319	6288151	2.00 1000	10.0	40.0	100	400
Tert-amyl methyl ether	FB	Ave	10553 10053311	59833	305090	835106	3729772	1.00 500	5.00	20.0	50.0	200
Trichloroethene	FB	Ave	5332 4200547	28461	143777	387966	1597094	1.00 500	5.00	20.0	50.0	200
n-Butanol	FB	Ave	40921 412750	93426	142128	214399	270339	500 3000	1000	1500	2000	2500
Ethyl acrylate	FB	Ave	217 182272	1353	6166	15842	67437	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	9452 7970538	55701	281494	733404	3080532	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	5662 4090343	32018	144166	388857	1580351	1.00 500	5.00	20.0	50.0	200
Dibromomethane	FB	Ave	3522 2010197	18000	72989	191309	758457	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	FB	Ave	2982 2098654	14281	71076	188019	793202	1.00 500	5.00	20.0	50.0	200
1,4-Dioxane	FB	Ave	3689 160033	8210	11585	16660	19322	50.0 2000	100	150	200	250
Propyl acetate	FB	Ave	9799 9791268	62027	312289	855470	3720456	2.00 1000	10.0	40.0	100	400
Bromodichloromethane	FB	Ave	6038 5166514	36996	168761	466923	1963192	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	FB	Ave	2609 1939025	13093	63339	172226	746430	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	FB	Ave	10962 6913543	55380	246327	660723	2616297	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	FB	Ave	7074 6297822	36885	195667	562743	2396405	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone	FB	Ave	37549 6263619	69657	105466	276442	1208672	10.0 1000	15.0	20.0	50.0	200
Toluene	CBZ	Ave	29506 16075450	146149	608225	1517102	6068123	1.00 500	5.00	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	QuaF	5329 5487440	29298	156172	462395	2057901	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.: 460-41546-1 Analy Batch No.: 117082

SDG No.: _____

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/21/2012 19:31 Calibration End Date: 06/21/2012 23:37 Calibration ID: 16130

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
1,1,2-Trichloroethane	CBZ	Ave	3612 2463382	18185	80857	227563	932045	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	6071 4062359	31914	139234	358492	1485121	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	7783 5330751	43114	187679	496486	2020030	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	Ave	32073 4411361	53578	79507	199665	828300	10.0 1000	15.0	20.0	50.0	200
Dibromochloromethane	CBZ	QuaF	3996 3462833	18867	95710	284035	1273572	1.00 500	5.00	20.0	50.0	200
Butyl acetate	CBZ	Ave	17034 10362817	79479	360778	929213	3759716	2.00 1000	10.0	40.0	100	400
1,2-Dibromoethane	CBZ	Ave	3770 2835045	20535	96462	258757	1062345	1.00 500	5.00	20.0	50.0	200
Chlorobenzene	CBZ	Ave	16786 10088771	85764	356055	920317	3658739	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	QuaF	3558 3684049	20808	103715	287202	1312938	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	8673 5795101	45197	203249	518032	2049997	1.00 500	5.00	20.0	50.0	200
m&p-Xylene	CBZ	Ave	24147 14587519	122243	502902	1261007	5061407	2.00 1000	10.0	40.0	100	400
o-Xylene	CBZ	Ave	11308 6821347	57751	238557	620950	2393638	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	18951 11802469	99931	411527	1046454	4138178	1.00 500	5.00	20.0	50.0	200
Butyl acrylate	DCB	Ave	11274 6270454	50152	231624	577083	2249483	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	QuaF	2254 2132696	10119	51839	154597	718545	1.00 500	5.00	20.0	50.0	200
Amly acetate	CBZ	Ave	6685 3651899	29168	127811	330173	1297106	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	29552 18708656	163647	682687	1739282	6914071	1.00 500	5.00	20.0	50.0	200
Camphene, Total	DCB	Ave	3914 2104929	17943	79515	196388	793115	1.00 500	5.00	20.0	50.0	200
Monobromobenzene	DCB	Ave	7750 4049080	36565	146900	368511	1424973	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	5963 3802810	28687	127843	337720	1370472	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	1860 1077261	8846	35715	93103	385893	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.: 460-41546-1 Analy Batch No.: 117082

SDG No.: _____

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/21/2012 19:31 Calibration End Date: 06/21/2012 23:37 Calibration ID: 16130

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
trans-1,4-Dichloro-2-butene	FB	Ave	1508 1253376	8482	38784	106458	450697	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCB	Ave	38336 21961519	209863	861018	2161237	8524353	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	22114 13175848	118595	479238	1173236	4692097	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	25067 13646777	120309	492234	1224559	4849082	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	26012 15820256	139288	564843	1430523	5586108	1.00 500	5.00	20.0	50.0	200
Butyl Methacrylate	DCB	Ave	9241 5592176	42446	192825	518939	2043390	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	23965 14272563	122044	504679	1274587	5072826	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	26392 15845978	139832	573439	1444136	5690239	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	Ave	37000 20903059	190867	792404	2016780	7973217	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	16338 8158275	75857	299023	741944	2946522	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	16803 8332666	75574	299300	735890	2964228	1.00 500	5.00	20.0	50.0	200
p-Isopropyltoluene	DCB	Ave	29172 17813553	158271	653996	1627841	6500002	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	QuaF	7220 7336108	35480	188842	558583	2676740	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	14876 7511141	70822	282331	703858	2760223	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	Ave	30888 15862028	162795	689523	1705289	6698990	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	1602 735666	6114	23757	65060	267495	1.00 500	5.00	20.0	50.0	200
Camphor	DCB	Ave	3783 2002408	18651	75310	201920	773135	5.00 2500	25.0	100	250	1000
1,2,4-Trichlorobenzene	DCB	Ave	12879 5933156	57147	221752	561028	2183517	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	Ave	7761 3754508	32047	135738	347169	1355617	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCB	Ave	30403 11156724	122023	493950	1248547	4667349	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	Ave	12685 5392287	50897	207448	520099	1980461	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.: 460-41546-1 Analy Batch No.: 117082

SDG No.: _____

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/21/2012 19:31 Calibration End Date: 06/21/2012 23:37 Calibration ID: 16130

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
1,2-Dichloroethane-d4 (Surr)	FB	Ave	204994 263410	244901	260322	263305	262882	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	615151 832232	735411	799813	808349	829018	50.0 50.0	50.0	50.0	50.0	50.0
Bromofluorobenzene	DCB	Ave	226605 279536	252146	257229	257048	260346	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/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61389.d
 Report Date: 28-Jun-2012 14:18

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61389.d
 Lab Smp Id: IC-VMCAL2
 Inj Date : 21-JUN-2012 19:31
 Operator : VOAMS 9
 Smp Info : IC-VMCAL2
 Misc Info :
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/8260L_10.m
 Meth Date : 28-Jun-2012 14:18 maryb
 Cal Date : 21-JUN-2012 19:31
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS12.i
 Quant Type: ISTD
 Cal File: o61389.d
 Calibration Sample, Level: 2
 Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

						AMOUNTS	
		QUANT	SIG			CAL -AMT	ON -COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
M 14 1,2-Dichloroethene (total)	100				74276	10.0000	11
90 Dichlorodifluoromethane	85	0.866	0.866	(0.233)	45609	5.00000	5.4
1 Chloromethane	50	0.980	0.980	(0.264)	57929	5.00000	6.9
4 Vinyl Chloride	62	1.009	1.009	(0.272)	51895	5.00000	5.6
3 Bromomethane	94	1.167	1.166	(0.314)	30684	5.00000	6.2
5 Chloroethane	64	1.210	1.217	(0.326)	26509	5.00000	5.1
9 Trichlorofluoromethane	101	1.338	1.338	(0.361)	73256	5.00000	5.6
127 Ethanol	46	1.467	1.474	(0.396)	86999	2000.00	2400
46 Ethyl Ether	59	1.496	1.496	(0.403)	26304	5.00000	5.3
119 Isoprene	67	1.503	1.503	(0.405)	42291	5.00000	4.7
47 Acrolein	56	1.568	1.568	(0.423)	195020	200.000	230
10 1,1-Dichloroethene	96	1.611	1.611	(0.434)	29600	5.00000	5.4
48 Freon TF	101	1.611	1.611	(0.434)	34883	5.00000	5.4
7 Acetone	43	1.661	1.661	(0.448)	35132	15.0000	23

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61389.d
 Report Date: 28-Jun-2012 14:18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
142 Iodomethane	142	1.704	1.704	(0.459)	40063	5.00000	5.2
8 Carbon Disulfide	76	1.732	1.732	(0.467)	98152	5.00000	5.0
50 Acetonitrile	41	1.826	1.825	(0.492)	105440	100.000	150
125 Methyl acetate	74	1.847	1.840	(0.498)	5750	5.00000	6.2
6 Methylene Chloride	84	1.897	1.897	(0.511)	49706	5.00000	8.8
51 TBA	59	1.998	1.997	(0.538)	67566	100.000	110
52 Acrylonitrile	53	2.055	2.055	(0.554)	247802	100.000	110
12 trans-1,2-Dichloroethene	96	2.055	2.055	(0.554)	33567	5.00000	5.2
53 MTBE	73	2.062	2.062	(0.556)	78327	5.00000	5.0
54 Hexane	56	2.227	2.227	(0.600)	24633	5.00000	4.2
11 1,1-Dichloroethane	63	2.334	2.334	(0.629)	73231	5.00000	5.6
57 Vinyl Acetate	43	2.384	2.384	(0.643)	93750	5.00000	4.7
55 DIPE	45	2.384	2.391	(0.643)	98799	5.00000	4.7
149 tert-Butyl ethyl ether	59	2.649	2.649	(0.714)	81013	5.00000	4.6
157 Dichlorofluoromethane	67	1.317	1.317	(0.355)	80875	5.00000	5.8
104 2,2-Dichloropropane	77	2.742	2.742	(0.739)	59216	5.00000	5.2
13 cis-1,2-Dichloroethene	96	2.750	2.749	(0.741)	40709	5.00000	5.6
18 2-Butanone	72	2.778	2.778	(0.749)	10638	15.0000	17
56 Ethyl Acetate	70	2.828	2.828	(0.762)	5135	10.0000	11
108 Bromochloromethane	128	2.929	2.929	(0.790)	16557	5.00000	6.3
15 Chloroform	83	3.000	3.000	(0.809)	65559	5.00000	5.5
20 1,1,1-Trichloroethane	97	3.129	3.129	(0.844)	52986	5.00000	5.2
59 Cyclohexane	56	3.165	3.165	(0.853)	69256	5.00000	5.1
21 Carbon Tetrachloride	117	3.265	3.265	(0.880)	37179	5.00000	4.7
92 1,1-Dichloropropene	75	3.265	3.265	(0.880)	47122	5.00000	4.8
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.408	(0.919)	244901	50.0000	55
28 Benzene	78	3.444	3.444	(0.929)	126868	5.00000	5.0
17 1,2-Dichloroethane	62	3.480	3.480	(0.938)	45685	5.00000	5.5
61 Isopropyl Acetate	43	3.566	3.566	(0.961)	98256	10.0000	8.9
140 tert-Amylmethyl Ether	73	3.573	3.573	(0.963)	59833	5.00000	4.4
* 69 Fluorobenzene	96	3.709	3.709	(1.000)	893120	50.0000	
25 Trichloroethene	95	4.053	4.053	(1.093)	28461	5.00000	4.6
63 n-Butanol	43	4.089	4.089	(1.102)	93426	1000.00	1000
96 Ethyl Acrylate	85	4.218	4.218	(1.137)	1353	5.00000	5.1(H)
126 Methyl cyclohexane	83	4.218	4.225	(1.137)	55701	5.00000	4.8
23 1,2-Dichloropropane	63	4.283	4.282	(1.154)	32018	5.00000	5.1
109 Dibromomethane	93	4.404	4.404	(1.187)	18000	5.00000	5.4
95 1,4-Dioxane	88	4.462	4.454	(1.203)	8210	100.000	120
146 Methyl methacrylate	69	4.462	4.454	(1.203)	14281	5.00000	4.6
64 Propyl Acetate	43	4.540	4.540	(1.224)	62027	10.0000	9.2
22 Bromodichloromethane	83	4.583	4.590	(1.236)	36996	5.00000	5.0
30 2-Chloroethyl Vinyl Ether	63	4.956	4.963	(1.336)	13093	5.00000	4.6
118 Epichlorohydrin	57	5.013	5.013	(1.351)	55380	100.000	100
24 cis-1,3-Dichloropropene	75	5.092	5.092	(1.373)	36885	5.00000	4.2
33 4-Methyl-2-Pentanone	43	5.314	5.314	(1.433)	69657	15.0000	15
\$ 37 Toluene-d8 (SUR)	98	5.386	5.385	(0.741)	735411	50.0000	50
38 Toluene	91	5.464	5.464	(0.752)	146149	5.00000	5.1

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Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
29 trans-1,3-Dichloropropene	75	5.794	5.787	(0.797)	29298	5.00000	3.2
27 1,1,2-Trichloroethane	83	6.009	6.009	(0.827)	18185	5.00000	4.5
35 Tetrachloroethene	166	6.138	6.130	(0.844)	31914	5.00000	4.8
103 1,3-Dichloropropane	76	6.209	6.209	(0.854)	43114	5.00000	4.8
34 2-Hexanone	43	6.396	6.395	(0.880)	53578	15.0000	15
26 Dibromochloromethane	129	6.496	6.496	(0.894)	18867	5.00000	3.4
65 Butyl Acetate	43	6.610	6.610	(0.909)	79479	10.0000	9.2
66 1,2-Dibromoethane	107	6.610	6.610	(0.909)	20535	5.00000	4.5
* 32 Chlorobenzene-d5	117	7.269	7.269	(1.000)	660377	50.0000	
39 Chlorobenzene	112	7.312	7.312	(1.006)	85764	5.00000	5.0
97 1,1,1,2-Tetrachloroethane	131	7.463	7.463	(1.027)	20808	5.00000	3.7
40 Ethylbenzene	106	7.513	7.513	(1.034)	45197	5.00000	4.8
43 m+p-Xylene	106	7.692	7.692	(1.058)	122243	10.0000	10
44 o-Xylene	106	8.272	8.272	(1.138)	57751	5.00000	5.0
42 Styrene	104	8.308	8.308	(1.143)	99931	5.00000	5.1
147 Butyl Acrylate	55	8.380	8.380	(0.766)	50152	5.00000	4.5
31 Bromoform	173	8.537	8.544	(1.174)	10119	5.00000	3.4
145 Amyl Acetate	43	8.767	8.766	(1.206)	29168	5.00000	4.7
110 Isopropylbenzene	105	8.867	8.867	(1.220)	163647	5.00000	5.1
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.074	(0.830)	252146	50.0000	50
150 Camphene	41	9.196	9.196	(0.841)	17943	5.00000	4.6
107 Bromobenzene	156	9.254	9.254	(0.846)	36565	5.00000	4.9
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411	(0.860)	28687	5.00000	4.4
99 1,2,3-Trichloropropane	110	9.426	9.418	(0.862)	8846	5.00000	4.7
143 trans-1,4-Dichloro-2-butene	53	9.504	9.511	(2.562)	8482	5.00000	4.8
112 n-Propylbenzene	91	9.526	9.526	(0.871)	209863	5.00000	5.0
105 2-Chlorotoluene	91	9.597	9.597	(0.878)	118595	5.00000	5.0
106 4-Chlorotoluene	91	9.791	9.791	(0.895)	120309	5.00000	4.9
102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	139288	5.00000	5.0
148 Butyl methacrylate	69	10.142	10.142	(0.927)	42446	5.00000	4.4
115 tert-Butylbenzene	119	10.350	10.349	(0.946)	122044	5.00000	4.8
100 1,2,4-Trimethylbenzene	105	10.436	10.435	(0.954)	139832	5.00000	4.9
114 sec-Butylbenzene	105	10.715	10.715	(0.980)	190867	5.00000	4.9
67 1,3-Dichlorobenzene	146	10.815	10.815	(0.989)	75857	5.00000	5.0
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	371278	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)	75574	5.00000	4.9
113 p-Isopropyltoluene	119	10.994	11.001	(1.005)	158271	5.00000	4.9
69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)	70822	5.00000	5.0
117 Benzyl chloride	91	11.238	11.245	(1.028)	35480	5.00000	2.8
111 n-Butylbenzene	91	11.603	11.610	(1.061)	162795	5.00000	5.0
101 1,2-Dibromo-3-chloropropane	75	12.477	12.477	(1.141)	6114	5.00000	4.6
152 Camphor	95	13.186	13.186	(1.206)	18651	25.0000	24
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)	57147	5.00000	5.0
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)	32047	5.00000	4.6
70 Naphthalene	128	13.480	13.480	(1.232)	122023	5.00000	4.9
98 1,2,3-Trichlorobenzene	180	13.688	13.687	(1.251)	50897	5.00000	4.8
M 45 Xylene (Total)	100				179994	15.0000	15

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QC Flag Legend

H - Operator selected an alternate compound hit.

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TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61390.d
 Lab Smp Id: ICIS-VMCAL3
 Inj Date : 21-JUN-2012 19:56
 Operator : VOAMS 9
 Smp Info : ICIS-VMCAL3
 Misc Info :
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/8260L_10.m
 Meth Date : 28-Jun-2012 14:18 maryb
 Cal Date : 21-JUN-2012 19:56
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS12.i

Quant Type: ISTD

Cal File: o61390.d

Calibration Sample, Level: 3

Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	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	AMOUNTS	
							CAL -AMT	ON -COL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
M 14 1,2-Dichloroethene (total)	100					311970	40.0000	39
90 Dichlorodifluoromethane	85		0.866	0.866	(0.233)	208831	20.0000	21
1 Chloromethane	50		0.980	0.980	(0.264)	234320	20.0000	24
4 Vinyl Chloride	62		1.009	1.009	(0.272)	219213	20.0000	20
3 Bromomethane	94		1.166	1.166	(0.314)	120149	20.0000	21
5 Chloroethane	64		1.217	1.217	(0.328)	120048	20.0000	20
9 Trichlorofluoromethane	101		1.338	1.338	(0.361)	300182	20.0000	20
127 Ethanol	46		1.474	1.474	(0.397)	115969	3000.00	2800
46 Ethyl Ether	59		1.496	1.496	(0.403)	115808	20.0000	20
119 Isoprene	67		1.503	1.503	(0.405)	216954	20.0000	20
47 Acrolein	56		1.568	1.568	(0.423)	287483	300.000	290
10 1,1-Dichloroethene	96		1.611	1.611	(0.434)	122124	20.0000	19
48 Freon TF	101		1.611	1.611	(0.434)	155623	20.0000	20
7 Acetone	43		1.661	1.661	(0.448)	44278	20.0000	25

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Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
142 Iodomethane	142	1.704	1.704	(0.459)	182502	20.0000	20
8 Carbon Disulfide	76	1.732	1.732	(0.467)	443613	20.0000	19
50 Acetonitrile	41	1.825	1.825	(0.492)	401679	400.000	480
125 Methyl acetate	74	1.840	1.840	(0.496)	22320	20.0000	21
6 Methylene Chloride	84	1.897	1.897	(0.511)	159140	20.0000	24
51 TBA	59	1.997	1.997	(0.538)	280254	400.000	380
52 Acrylonitrile	53	2.055	2.055	(0.554)	353823	150.000	140
12 trans-1,2-Dichloroethene	96	2.055	2.055	(0.554)	149680	20.0000	20
53 MTBE	73	2.062	2.062	(0.556)	358490	20.0000	19
54 Hexane	56	2.227	2.227	(0.600)	138949	20.0000	20
11 1,1-Dichloroethane	63	2.334	2.334	(0.629)	291860	20.0000	19
57 Vinyl Acetate	43	2.384	2.384	(0.643)	446851	20.0000	19
55 DIPE	45	2.391	2.391	(0.645)	481480	20.0000	20
149 tert-Butyl ethyl ether	59	2.649	2.649	(0.714)	410999	20.0000	20
157 Dichlorofluoromethane	67	1.317	1.317	(0.355)	313543	20.0000	19
104 2,2-Dichloropropane	77	2.742	2.742	(0.739)	246886	20.0000	19
13 cis-1,2-Dichloroethene	96	2.749	2.749	(0.741)	162290	20.0000	19
18 2-Butanone	72	2.778	2.778	(0.749)	14430	20.0000	19
56 Ethyl Acetate	70	2.828	2.828	(0.762)	21895	40.0000	40
108 Bromochloromethane	128	2.929	2.929	(0.790)	63682	20.0000	21
15 Chloroform	83	3.000	3.000	(0.809)	262216	20.0000	19
20 1,1,1-Trichloroethane	97	3.129	3.129	(0.844)	237808	20.0000	20
59 Cyclohexane	56	3.165	3.165	(0.853)	334872	20.0000	21
21 Carbon Tetrachloride	117	3.265	3.265	(0.880)	177343	20.0000	19
92 1,1-Dichloropropene	75	3.265	3.265	(0.880)	226841	20.0000	20
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.408	3.408	(0.919)	260322	50.0000	50
28 Benzene	78	3.444	3.444	(0.929)	580317	20.0000	20
17 1,2-Dichloroethane	62	3.480	3.480	(0.938)	182763	20.0000	19
61 Isopropyl Acetate	43	3.566	3.566	(0.961)	510377	40.0000	39
140 tert-Amylmethyl Ether	73	3.573	3.573	(0.963)	305090	20.0000	19
* 69 Fluorobenzene	96	3.709	3.709	(1.000)	1049087	50.0000	
25 Trichloroethene	95	4.053	4.053	(1.093)	143777	20.0000	20
63 n-Butanol	43	4.089	4.089	(1.102)	142128	1500.00	1300
96 Ethyl Acrylate	85	4.218	4.218	(1.137)	6166	20.0000	20(H)
126 Methyl cyclohexane	83	4.225	4.225	(1.139)	281494	20.0000	20
23 1,2-Dichloropropane	63	4.282	4.282	(1.154)	144166	20.0000	19
109 Dibromomethane	93	4.404	4.404	(1.187)	72989	20.0000	19
95 1,4-Dioxane	88	4.454	4.454	(1.201)	11585	150.000	140
146 Methyl methacrylate	69	4.454	4.454	(1.201)	71076	20.0000	19
64 Propyl Acetate	43	4.540	4.540	(1.224)	312289	40.0000	40
22 Bromodichloromethane	83	4.590	4.590	(1.238)	168761	20.0000	19
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.338)	63339	20.0000	19
118 Epichlorohydrin	57	5.013	5.013	(1.351)	246327	400.000	380
24 cis-1,3-Dichloropropene	75	5.092	5.092	(1.373)	195667	20.0000	19
33 4-Methyl-2-Pentanone	43	5.314	5.314	(1.433)	105466	20.0000	20
\$ 37 Toluene-d8 (SUR)	98	5.385	5.385	(0.741)	799813	50.0000	51
38 Toluene	91	5.464	5.464	(0.752)	608225	20.0000	20

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61390.d
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Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
29 trans-1,3-Dichloropropene	75	5.787	5.787	(0.796)	156172	20.0000	16
27 1,1,2-Trichloroethane	83	6.009	6.009	(0.827)	80857	20.0000	19
35 Tetrachloroethene	166	6.130	6.130	(0.843)	139234	20.0000	19
103 1,3-Dichloropropane	76	6.209	6.209	(0.854)	187679	20.0000	20
34 2-Hexanone	43	6.395	6.395	(0.880)	79507	20.0000	20
26 Dibromochloromethane	129	6.496	6.496	(0.894)	95710	20.0000	16
65 Butyl Acetate	43	6.610	6.610	(0.909)	360778	40.0000	39
66 1,2-Dibromoethane	107	6.610	6.610	(0.909)	96462	20.0000	20
* 32 Chlorobenzene-d5	117	7.269	7.269	(1.000)	710567	50.0000	
39 Chlorobenzene	112	7.312	7.312	(1.006)	356055	20.0000	19
97 1,1,1,2-Tetrachloroethane	131	7.463	7.463	(1.027)	103715	20.0000	17
40 Ethylbenzene	106	7.513	7.513	(1.034)	203249	20.0000	20
43 m+p-Xylene	106	7.692	7.692	(1.058)	502902	40.0000	38
44 o-Xylene	106	8.272	8.272	(1.138)	238557	20.0000	19
42 Styrene	104	8.308	8.308	(1.143)	411527	20.0000	19
147 Butyl Acrylate	55	8.380	8.380	(0.766)	231624	20.0000	20
31 Bromoform	173	8.544	8.544	(1.175)	51839	20.0000	16
145 Amyl Acetate	43	8.766	8.766	(1.206)	127811	20.0000	19
110 Isopropylbenzene	105	8.867	8.867	(1.220)	682687	20.0000	20
\$ 41 Bromofluorobenzene (SUR)	174	9.074	9.074	(0.830)	257229	50.0000	49
150 Camphene	41	9.196	9.196	(0.841)	79515	20.0000	20
107 Bromobenzene	156	9.254	9.254	(0.846)	146900	20.0000	19
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411	(0.860)	127843	20.0000	19
99 1,2,3-Trichloropropane	110	9.418	9.418	(0.861)	35715	20.0000	18
143 trans-1,4-Dichloro-2-butene	53	9.511	9.511	(2.564)	38784	20.0000	19
112 n-Propylbenzene	91	9.526	9.526	(0.871)	861018	20.0000	20
105 2-Chlorotoluene	91	9.597	9.597	(0.878)	479238	20.0000	20
106 4-Chlorotoluene	91	9.791	9.791	(0.895)	492234	20.0000	19
102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	564843	20.0000	20
148 Butyl methacrylate	69	10.142	10.142	(0.927)	192825	20.0000	19
115 tert-Butylbenzene	119	10.349	10.349	(0.946)	504679	20.0000	19
100 1,2,4-Trimethylbenzene	105	10.435	10.435	(0.954)	573439	20.0000	20
114 sec-Butylbenzene	105	10.715	10.715	(0.980)	792404	20.0000	20
67 1,3-Dichlorobenzene	146	10.815	10.815	(0.989)	299023	20.0000	19
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	382897	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)	299300	20.0000	19
113 p-Isopropyltoluene	119	11.001	11.001	(1.006)	653996	20.0000	20
69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)	282331	20.0000	19
117 Benzyl chloride	91	11.245	11.245	(1.028)	188842	20.0000	14
111 n-Butylbenzene	91	11.610	11.610	(1.062)	689523	20.0000	20
101 1,2-Dibromo-3-chloropropane	75	12.477	12.477	(1.141)	23757	20.0000	17
152 Camphor	95	13.186	13.186	(1.206)	75310	100.000	96
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)	221752	20.0000	19
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)	135738	20.0000	19
70 Naphthalene	128	13.480	13.480	(1.232)	493950	20.0000	19
98 1,2,3-Trichlorobenzene	180	13.687	13.687	(1.251)	207448	20.0000	19
M 45 Xylene (Total)	100				741459	60.0000	58

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61390.d
Report Date: 28-Jun-2012 14:18

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61391.d
 Report Date: 28-Jun-2012 14:18

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61391.d
 Lab Smp Id: IC-VMCAL4
 Inj Date : 21-JUN-2012 20:21
 Operator : VOAMS 9
 Smp Info : IC-VMCAL4
 Misc Info :
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/8260L_10.m
 Meth Date : 28-Jun-2012 14:18 maryb
 Cal Date : 21-JUN-2012 20:21
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS12.i
 Quant Type: ISTD
 Cal File: o61391.d
 Calibration Sample, Level: 4
 Compound Sublist: all.sub

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	5.00000	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	AMOUNTS	
							CAL -AMT	ON -COL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
M 14 1,2-Dichloroethene (total)	100					793562	100.000	95
90 Dichlorodifluoromethane	85		0.866	0.866	(0.233)	516578	50.0000	50
1 Chloromethane	50		0.980	0.980	(0.264)	586266	50.0000	57
4 Vinyl Chloride	62		1.009	1.009	(0.272)	560592	50.0000	50
3 Bromomethane	94		1.167	1.166	(0.314)	301007	50.0000	50
5 Chloroethane	64		1.210	1.217	(0.326)	310901	50.0000	49
9 Trichlorofluoromethane	101		1.339	1.338	(0.361)	746239	50.0000	47
127 Ethanol	46		1.468	1.474	(0.396)	164378	4000.00	3800
46 Ethyl Ether	59		1.496	1.496	(0.403)	296947	50.0000	49
119 Isoprene	67		1.503	1.503	(0.405)	559868	50.0000	51
47 Acrolein	56		1.568	1.568	(0.423)	385952	400.000	380
10 1,1-Dichloroethene	96		1.611	1.611	(0.434)	310628	50.0000	46
48 Freon TF	101		1.611	1.611	(0.434)	390556	50.0000	49
7 Acetone	43		1.661	1.661	(0.448)	104584	50.0000	56

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61391.d
Report Date: 28-Jun-2012 14:18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
142 Iodomethane	142	1.704	1.704	(0.459)	496420	50.0000	53
8 Carbon Disulfide	76	1.733	1.732	(0.467)	1165181	50.0000	49
50 Acetonitrile	41	1.826	1.825	(0.492)	968082	1000.00	1100
125 Methyl acetate	74	1.847	1.840	(0.498)	55896	50.0000	50
6 Methylene Chloride	84	1.897	1.897	(0.511)	382646	50.0000	56
51 TBA	59	1.998	1.997	(0.538)	690170	1000.00	900
52 Acrylonitrile	53	2.055	2.055	(0.554)	479036	200.000	180
12 trans-1,2-Dichloroethene	96	2.055	2.055	(0.554)	377743	50.0000	48
53 MTBE	73	2.069	2.062	(0.558)	961166	50.0000	50
54 Hexane	56	2.227	2.227	(0.600)	380843	50.0000	54
11 1,1-Dichloroethane	63	2.334	2.334	(0.629)	759964	50.0000	48
57 Vinyl Acetate	43	2.384	2.384	(0.643)	1209533	50.0000	50
55 DIPE	45	2.392	2.391	(0.645)	1331510	50.0000	52
149 tert-Butyl ethyl ether	59	2.649	2.649	(0.714)	1105851	50.0000	52
157 Dichlorofluoromethane	67	1.317	1.317	(0.355)	826464	50.0000	48
104 2,2-Dichloropropane	77	2.743	2.742	(0.739)	637454	50.0000	46
13 cis-1,2-Dichloroethene	96	2.750	2.749	(0.741)	415819	50.0000	47
18 2-Butanone	72	2.778	2.778	(0.749)	36916	50.0000	48
56 Ethyl Acetate	70	2.828	2.828	(0.762)	57193	100.000	100
108 Bromochloromethane	128	2.929	2.929	(0.790)	168770	50.0000	53
15 Chloroform	83	3.000	3.000	(0.809)	692317	50.0000	48
20 1,1,1-Trichloroethane	97	3.129	3.129	(0.844)	625153	50.0000	50
59 Cyclohexane	56	3.165	3.165	(0.853)	819045	50.0000	50
21 Carbon Tetrachloride	117	3.265	3.265	(0.880)	498385	50.0000	52
92 1,1-Dichloropropene	75	3.273	3.265	(0.882)	618716	50.0000	52
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.408	(0.919)	263305	50.0000	49
28 Benzene	78	3.445	3.444	(0.929)	1548503	50.0000	50
17 1,2-Dichloroethane	62	3.480	3.480	(0.938)	471206	50.0000	47
61 Isopropyl Acetate	43	3.566	3.566	(0.961)	1407319	100.000	100
140 tert-Amylmethyl Ether	73	3.573	3.573	(0.963)	835106	50.0000	51
* 69 Fluorobenzene	96	3.710	3.709	(1.000)	1090235	50.0000	
25 Trichloroethene	95	4.053	4.053	(1.093)	387966	50.0000	52
63 n-Butanol	43	4.089	4.089	(1.102)	214399	2000.00	1900
96 Ethyl Acrylate	85	4.218	4.218	(1.137)	15842	50.0000	49(H)
126 Methyl cyclohexane	83	4.225	4.225	(1.139)	733404	50.0000	51
23 1,2-Dichloropropane	63	4.283	4.282	(1.154)	388857	50.0000	50
109 Dibromomethane	93	4.404	4.404	(1.187)	191309	50.0000	47
95 1,4-Dioxane	88	4.462	4.454	(1.203)	16660	200.000	190
146 Methyl methacrylate	69	4.455	4.454	(1.201)	188019	50.0000	49
64 Propyl Acetate	43	4.540	4.540	(1.224)	855470	100.000	100
22 Bromodichloromethane	83	4.591	4.590	(1.238)	466923	50.0000	51
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.338)	172226	50.0000	50
118 Epichlorohydrin	57	5.020	5.013	(1.353)	660723	1000.00	990
24 cis-1,3-Dichloropropene	75	5.092	5.092	(1.373)	562743	50.0000	53
33 4-Methyl-2-Pentanone	43	5.314	5.314	(1.433)	276442	50.0000	49
\$ 37 Toluene-d8 (SUR)	98	5.393	5.385	(0.741)	808349	50.0000	51
38 Toluene	91	5.465	5.464	(0.751)	1517102	50.0000	48

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61391.d
 Report Date: 28-Jun-2012 14:18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
29 trans-1,3-Dichloropropene	75	5.794	5.787	(0.796)	462395	50.0000	47
27 1,1,2-Trichloroethane	83	6.009	6.009	(0.826)	227563	50.0000	52
35 Tetrachloroethene	166	6.138	6.130	(0.843)	358492	50.0000	50
103 1,3-Dichloropropane	76	6.217	6.209	(0.854)	496486	50.0000	51
34 2-Hexanone	43	6.396	6.395	(0.879)	199665	50.0000	50
26 Dibromochloromethane	129	6.496	6.496	(0.893)	284035	50.0000	47
65 Butyl Acetate	43	6.611	6.610	(0.908)	929213	100.000	99
66 1,2-Dibromoethane	107	6.611	6.610	(0.908)	258757	50.0000	52
* 32 Chlorobenzene-d5	117	7.277	7.269	(1.000)	717905	50.0000	
39 Chlorobenzene	112	7.313	7.312	(1.005)	920317	50.0000	49
97 1,1,1,2-Tetrachloroethane	131	7.463	7.463	(1.026)	287202	50.0000	47
40 Ethylbenzene	106	7.513	7.513	(1.032)	518032	50.0000	50
43 m+p-Xylene	106	7.692	7.692	(1.057)	1261007	100.000	96
44 o-Xylene	106	8.272	8.272	(1.137)	620950	50.0000	50
42 Styrene	104	8.308	8.308	(1.142)	1046454	50.0000	49
147 Butyl Acrylate	55	8.380	8.380	(0.766)	577083	50.0000	50
31 Bromoform	173	8.545	8.544	(1.174)	154597	50.0000	47
145 Amyl Acetate	43	8.767	8.766	(1.205)	330173	50.0000	49
110 Isopropylbenzene	105	8.867	8.867	(1.219)	1739282	50.0000	50
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.074	(0.830)	257048	50.0000	49
150 Camphene	41	9.196	9.196	(0.841)	196388	50.0000	49
107 Bromobenzene	156	9.254	9.254	(0.846)	368511	50.0000	48
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411	(0.860)	337720	50.0000	51
99 1,2,3-Trichloropropane	110	9.426	9.418	(0.862)	93103	50.0000	48
143 trans-1,4-Dichloro-2-butene	53	9.504	9.511	(2.562)	106458	50.0000	50
112 n-Propylbenzene	91	9.526	9.526	(0.871)	2161237	50.0000	50
105 2-Chlorotoluene	91	9.598	9.597	(0.878)	1173236	50.0000	48
106 4-Chlorotoluene	91	9.791	9.791	(0.895)	1224559	50.0000	48
102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	1430523	50.0000	50
148 Butyl methacrylate	69	10.142	10.142	(0.927)	518939	50.0000	52
115 tert-Butylbenzene	119	10.350	10.349	(0.946)	1274587	50.0000	49
100 1,2,4-Trimethylbenzene	105	10.436	10.435	(0.954)	1444136	50.0000	50
114 sec-Butylbenzene	105	10.715	10.715	(0.980)	2016780	50.0000	50
67 1,3-Dichlorobenzene	146	10.815	10.815	(0.989)	741944	50.0000	47
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	381957	50.0000	
68 1,4-Dichlorobenzene	146	10.980	10.973	(1.004)	735890	50.0000	46
113 p-Isopropyltoluene	119	11.002	11.001	(1.006)	1627841	50.0000	49
69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)	703858	50.0000	48
117 Benzyl chloride	91	11.238	11.245	(1.028)	558583	50.0000	42
111 n-Butylbenzene	91	11.610	11.610	(1.062)	1705289	50.0000	51
101 1,2-Dibromo-3-chloropropane	75	12.477	12.477	(1.141)	65060	50.0000	47
152 Camphor	95	13.186	13.186	(1.206)	201920	250.000	260
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)	561028	50.0000	48
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)	347169	50.0000	48
70 Naphthalene	128	13.480	13.480	(1.232)	1248547	50.0000	49
98 1,2,3-Trichlorobenzene	180	13.688	13.687	(1.251)	520099	50.0000	48
M 45 Xylene (Total)	100				1881957	150.000	140

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61391.d
Report Date: 28-Jun-2012 14:18

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: o61391.d

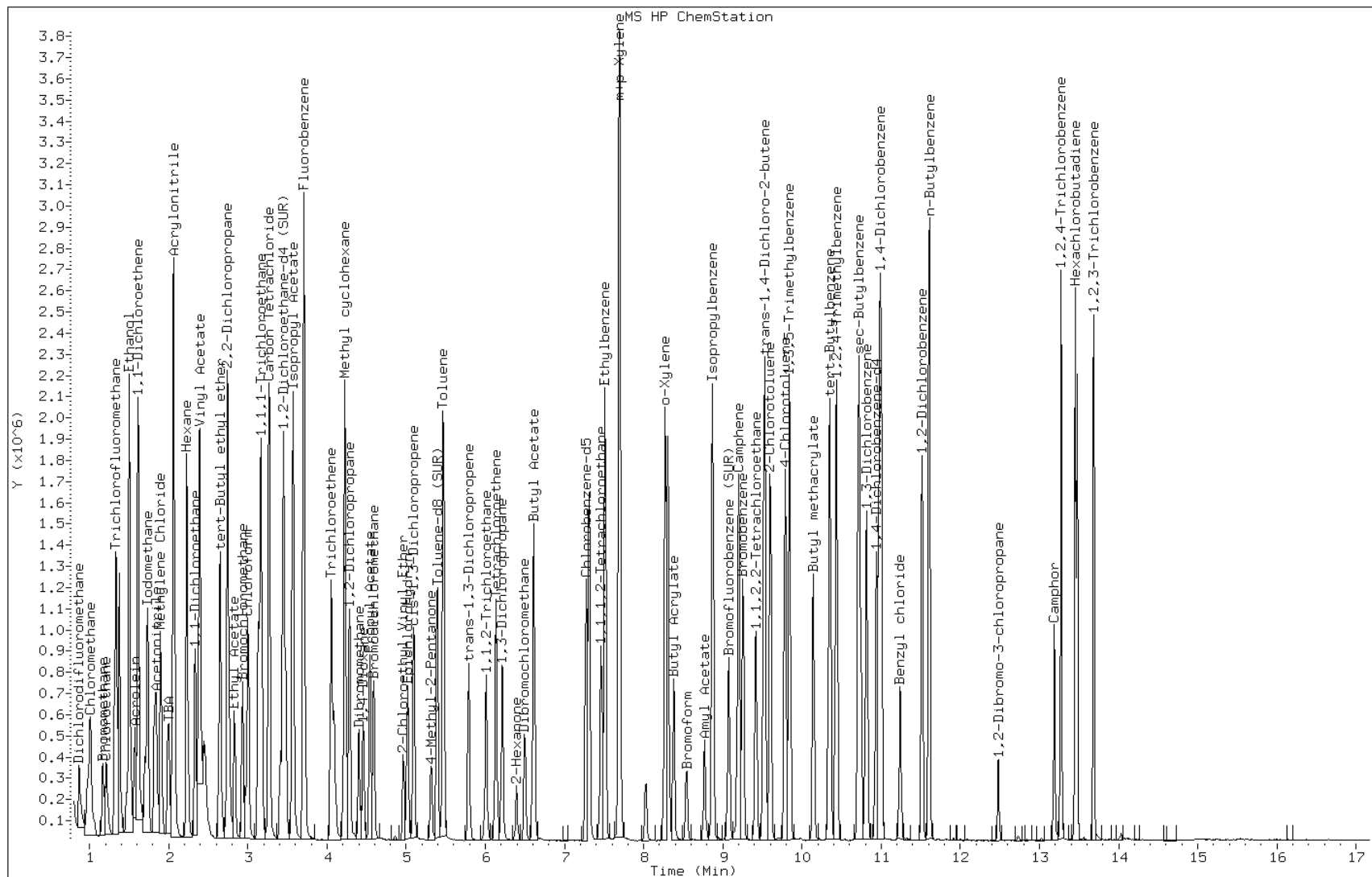
Date: 21-JUN-2012 20:21

Client ID:

Instrument: VOAMS12.i

Sample Info: IC-VMCAL4

Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61392.d
 Report Date: 28-Jun-2012 14:18

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61392.d
 Lab Smp Id: IC-VMCAL5
 Inj Date : 21-JUN-2012 20:46
 Operator : VOAMS 9
 Smp Info : IC-VMCAL5
 Misc Info :
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/8260L_10.m
 Meth Date : 28-Jun-2012 14:18 maryb
 Cal Date : 21-JUN-2012 20:46
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS12.i
 Quant Type: ISTD
 Cal File: o61392.d
 Calibration Sample, Level: 5
 Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

						AMOUNTS	
		QUANT	SIG			CAL -AMT	ON -COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
M 14 1,2-Dichloroethene (total)	100				3128847	400.000	360
90 Dichlorodifluoromethane	85	0.866	0.866	(0.233)	1915009	200.000	180
1 Chloromethane	50	0.980	0.980	(0.264)	2211159	200.000	210
4 Vinyl Chloride	62	1.009	1.009	(0.272)	2157171	200.000	180
3 Bromomethane	94	1.166	1.166	(0.314)	1242406	200.000	200
5 Chloroethane	64	1.217	1.217	(0.328)	1216520	200.000	180
9 Trichlorofluoromethane	101	1.338	1.338	(0.361)	2917184	200.000	180
127 Ethanol	46	1.467	1.474	(0.396)	195983	5000.00	4300
46 Ethyl Ether	59	1.496	1.496	(0.403)	1190333	200.000	190
119 Isoprene	67	1.503	1.503	(0.405)	2306790	200.000	200
47 Acrolein	56	1.568	1.568	(0.423)	460720	500.000	440
10 1,1-Dichloroethene	96	1.611	1.611	(0.434)	1238148	200.000	180
48 Freon TF	101	1.611	1.611	(0.434)	1580727	200.000	190
7 Acetone	43	1.661	1.661	(0.448)	376988	200.000	190

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61392.d
 Report Date: 28-Jun-2012 14:18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
142 Iodomethane	142	1.704	1.704	(0.459)	1905963	200.000	190
8 Carbon Disulfide	76	1.732	1.732	(0.467)	4610021	200.000	190
50 Acetonitrile	41	1.825	1.825	(0.492)	3587112	4000.00	4000
125 Methyl acetate	74	1.847	1.840	(0.498)	229295	200.000	200
6 Methylene Chloride	84	1.897	1.897	(0.511)	1420839	200.000	200
51 TBA	59	1.997	1.997	(0.538)	2712509	4000.00	3400
52 Acrylonitrile	53	2.062	2.055	(0.556)	608153	250.000	220
12 trans-1,2-Dichloroethene	96	2.055	2.055	(0.554)	1487186	200.000	180
53 MTBE	73	2.069	2.062	(0.558)	4077975	200.000	200
54 Hexane	56	2.227	2.227	(0.600)	1464035	200.000	200
11 1,1-Dichloroethane	63	2.334	2.334	(0.629)	2916765	200.000	180
57 Vinyl Acetate	43	2.384	2.384	(0.643)	5132738	200.000	200(A)
55 DIPE	45	2.391	2.391	(0.645)	5714337	200.000	220
149 tert-Butyl ethyl ether	59	2.649	2.649	(0.714)	4746899	200.000	210
157 Dichlorofluoromethane	67	1.317	1.317	(0.355)	3215102	200.000	180
104 2,2-Dichloropropane	77	2.742	2.742	(0.739)	2551698	200.000	180
13 cis-1,2-Dichloroethene	96	2.750	2.749	(0.741)	1641661	200.000	180
18 2-Butanone	72	2.785	2.778	(0.751)	154688	200.000	190
56 Ethyl Acetate	70	2.828	2.828	(0.762)	239727	400.000	410(A)
108 Bromochloromethane	128	2.936	2.929	(0.791)	648782	200.000	200
15 Chloroform	83	3.000	3.000	(0.809)	2700637	200.000	180
20 1,1,1-Trichloroethane	97	3.136	3.129	(0.846)	2501547	200.000	190
59 Cyclohexane	56	3.165	3.165	(0.853)	3247343	200.000	190
21 Carbon Tetrachloride	117	3.265	3.265	(0.880)	2060658	200.000	200
92 1,1-Dichloropropene	75	3.272	3.265	(0.882)	2523458	200.000	200
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.416	3.408	(0.921)	262882	50.0000	47
28 Benzene	78	3.451	3.444	(0.930)	6305736	200.000	200
17 1,2-Dichloroethane	62	3.480	3.480	(0.938)	1876173	200.000	180
61 Isopropyl Acetate	43	3.573	3.566	(0.963)	6288151	400.000	450
140 tert-Amylmethyl Ether	73	3.573	3.573	(0.963)	3729772	200.000	220
* 69 Fluorobenzene	96	3.709	3.709	(1.000)	1134479	50.0000	
25 Trichloroethene	95	4.053	4.053	(1.093)	1597094	200.000	200
63 n-Butanol	43	4.089	4.089	(1.102)	270339	2500.00	2300
96 Ethyl Acrylate	85	4.225	4.218	(1.139)	67437	200.000	200(H)
126 Methyl cyclohexane	83	4.225	4.225	(1.139)	3080532	200.000	210
23 1,2-Dichloropropane	63	4.290	4.282	(1.156)	1580351	200.000	200
109 Dibromomethane	93	4.404	4.404	(1.187)	758457	200.000	180
95 1,4-Dioxane	88	4.461	4.454	(1.203)	19322	250.000	220
146 Methyl methacrylate	69	4.461	4.454	(1.203)	793202	200.000	200
64 Propyl Acetate	43	4.547	4.540	(1.226)	3720456	400.000	440
22 Bromodichloromethane	83	4.590	4.590	(1.238)	1963192	200.000	210
30 2-Chloroethyl Vinyl Ether	63	4.970	4.963	(1.340)	746430	200.000	210
118 Epichlorohydrin	57	5.020	5.013	(1.353)	2616297	4000.00	3800
24 cis-1,3-Dichloropropene	75	5.099	5.092	(1.375)	2396405	200.000	220
33 4-Methyl-2-Pentanone	43	5.321	5.314	(1.434)	1208672	200.000	210
\$ 37 Toluene-d8 (SUR)	98	5.393	5.385	(0.723)	829018	50.0000	51
38 Toluene	91	5.471	5.464	(0.733)	6068123	200.000	190

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61392.d
 Report Date: 28-Jun-2012 14:18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
29 trans-1,3-Dichloropropene	75	5.794	5.787	(0.776)	2057901	200.000	200
27 1,1,2-Trichloroethane	83	6.016	6.009	(0.806)	932045	200.000	210
35 Tetrachloroethene	166	6.138	6.130	(0.822)	1485121	200.000	200
103 1,3-Dichloropropane	76	6.216	6.209	(0.833)	2020030	200.000	200
34 2-Hexanone	43	6.396	6.395	(0.857)	828300	200.000	200
26 Dibromochloromethane	129	6.503	6.496	(0.871)	1273572	200.000	200
65 Butyl Acetate	43	6.610	6.610	(0.886)	3759716	400.000	390
66 1,2-Dibromoethane	107	6.618	6.610	(0.887)	1062345	200.000	210
* 32 Chlorobenzene-d5	117	7.277	7.269	(1.000)	733149	50.0000	(H)
39 Chlorobenzene	112	7.312	7.312	(0.980)	3658739	200.000	190
97 1,1,1,2-Tetrachloroethane	131	7.463	7.463	(1.000)	1312938	200.000	200
40 Ethylbenzene	106	7.520	7.513	(1.008)	2049997	200.000	200
43 m+p-Xylene	106	7.706	7.692	(1.033)	5061407	400.000	380
44 o-Xylene	106	8.279	8.272	(1.109)	2393638	200.000	190
42 Styrene	104	8.315	8.308	(1.114)	4138178	200.000	190
147 Butyl Acrylate	55	8.380	8.380	(0.766)	2249483	200.000	200
31 Bromoform	173	8.544	8.544	(1.145)	718545	200.000	200(A)
145 Amyl Acetate	43	8.774	8.766	(1.176)	1297106	200.000	190
110 Isopropylbenzene	105	8.874	8.867	(1.189)	6914071	200.000	190
\$ 41 Bromofluorobenzene (SUR)	174	9.082	9.074	(0.830)	260346	50.0000	52
150 Camphene	41	9.203	9.196	(0.841)	793115	200.000	200
107 Bromobenzene	156	9.261	9.254	(0.846)	1424973	200.000	190
36 1,1,2,2-Tetrachloroethane	83	9.418	9.411	(0.861)	1370472	200.000	210
99 1,2,3-Trichloropropane	110	9.425	9.418	(0.861)	385893	200.000	210
143 trans-1,4-Dichloro-2-butene	53	9.511	9.511	(2.564)	450697	200.000	200
112 n-Propylbenzene	91	9.540	9.526	(0.872)	8524353	200.000	200
105 2-Chlorotoluene	91	9.605	9.597	(0.878)	4692097	200.000	200
106 4-Chlorotoluene	91	9.791	9.791	(0.895)	4849082	200.000	200
102 1,3,5-Trimethylbenzene	105	9.848	9.841	(0.900)	5586108	200.000	200
148 Butyl methacrylate	69	10.149	10.142	(0.927)	2043390	200.000	210
115 tert-Butylbenzene	119	10.357	10.349	(0.946)	5072826	200.000	200
100 1,2,4-Trimethylbenzene	105	10.443	10.435	(0.954)	5690239	200.000	200
114 sec-Butylbenzene	105	10.722	10.715	(0.980)	7973217	200.000	200
67 1,3-Dichlorobenzene	146	10.822	10.815	(0.989)	2946522	200.000	190
* 91 1,4-Dichlorobenzene-d4	152	10.944	10.937	(1.000)	371079	50.0000	
68 1,4-Dichlorobenzene	146	10.980	10.973	(1.003)	2964228	200.000	190
113 p-Isopropyltoluene	119	11.001	11.001	(1.005)	6500002	200.000	200
69 1,2-Dichlorobenzene	146	11.524	11.517	(1.053)	2760223	200.000	190
117 Benzyl chloride	91	11.245	11.245	(1.027)	2676740	200.000	200
111 n-Butylbenzene	91	11.610	11.610	(1.061)	6698990	200.000	210
101 1,2-Dibromo-3-chloropropane	75	12.477	12.477	(1.140)	267495	200.000	200
152 Camphor	95	13.186	13.186	(1.205)	773135	1000.00	1000
93 1,2,4-Trichlorobenzene	180	13.279	13.272	(1.213)	2183517	200.000	190
94 Hexachlorobutadiene	225	13.458	13.451	(1.230)	1355617	200.000	190
70 Naphthalene	128	13.480	13.480	(1.232)	4667349	200.000	190
98 1,2,3-Trichlorobenzene	180	13.687	13.687	(1.251)	1980461	200.000	190
M 45 Xylene (Total)	100				7455045	600.000	560

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61392.d
Report Date: 28-Jun-2012 14:18

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- H - Operator selected an alternate compound hit.

Data File: o61392.d

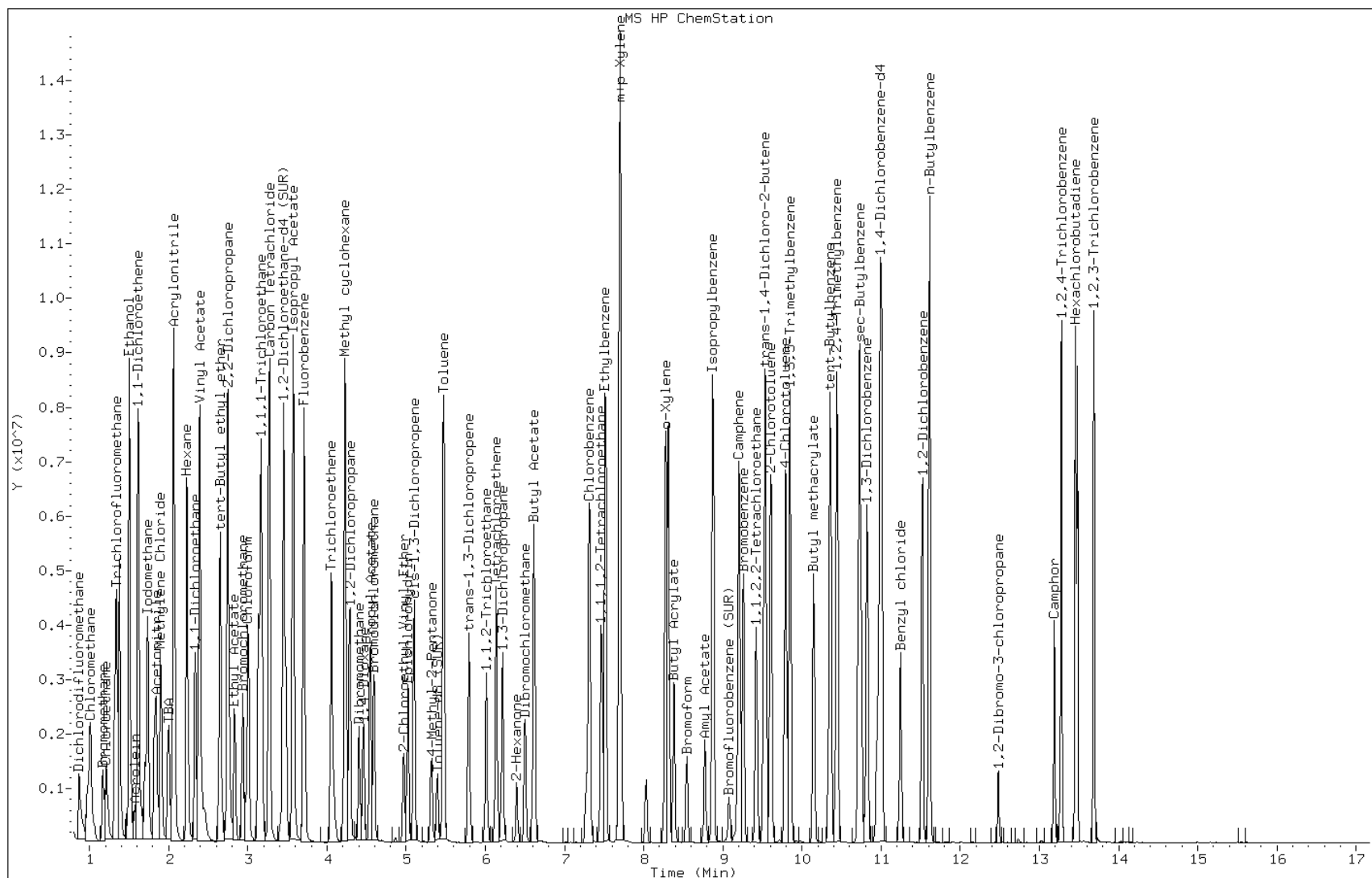
Date: 21-JUN-2012 20:46

Client ID:

Instrument: VOAMS12.i

Sample Info: IC-VMCAL5

Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61393.d
 Report Date: 28-Jun-2012 14:18

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61393.d
 Lab Smp Id: IC-VMCAL6
 Inj Date : 21-JUN-2012 21:11
 Operator : VOAMS 9
 Smp Info : IC-VMCAL6
 Misc Info :
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/8260L_10.m
 Meth Date : 28-Jun-2012 14:18 maryb
 Cal Date : 21-JUN-2012 21:11
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS12.i
 Quant Type: ISTD
 Cal File: o61393.d
 Calibration Sample, Level: 6
 Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	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	AMOUNTS	
							CAL -AMT	ON -COL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
M 14 1,2-Dichloroethene (total)	100					8291196	1000.00	930
90 Dichlorodifluoromethane	85		0.866	0.866	(0.233)	4744795	500.000	430
1 Chloromethane	50		0.987	0.980	(0.266)	5389689	500.000	500
4 Vinyl Chloride	62		1.009	1.009	(0.272)	5181569	500.000	430
3 Bromomethane	94		1.166	1.166	(0.314)	3197316	500.000	500(A)
5 Chloroethane	64		1.209	1.217	(0.326)	2992754	500.000	440
9 Trichlorofluoromethane	101		1.338	1.338	(0.361)	7320366	500.000	430
127 Ethanol	46		1.496	1.474	(0.403)	282283	6000.00	6100(A)
46 Ethyl Ether	59		1.496	1.496	(0.403)	2939045	500.000	460
119 Isoprene	67		1.496	1.503	(0.403)	5647584	500.000	480
47 Acrolein	56		1.575	1.568	(0.425)	585515	600.000	540
10 1,1-Dichloroethene	96		1.610	1.611	(0.434)	3303332	500.000	460
48 Freon TF	101		1.610	1.611	(0.434)	3909072	500.000	460(A)
7 Acetone	43		1.668	1.661	(0.450)	1989515	1000.00	1000(A)

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61393.d
 Report Date: 28-Jun-2012 14:18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
142 Iodomethane	142	1.704	1.704	(0.459)	4678990	500.000	470
8 Carbon Disulfide	76	1.732	1.732	(0.467)	11717315	500.000	460
50 Acetonitrile	41	1.833	1.825	(0.494)	9187958	10000.0	10000
125 Methyl acetate	74	1.847	1.840	(0.498)	601990	500.000	500(A)
6 Methylene Chloride	84	1.897	1.897	(0.511)	3663637	500.000	500
51 TBA	59	2.026	1.997	(0.546)	7880939	10000.0	9700
52 Acrylonitrile	53	2.062	2.055	(0.556)	879275	300.000	310(A)
12 trans-1,2-Dichloroethene	96	2.062	2.055	(0.556)	3920230	500.000	470
53 MTBE	73	2.069	2.062	(0.558)	10488609	500.000	510(A)
54 Hexane	56	2.227	2.227	(0.600)	3668639	500.000	480
11 1,1-Dichloroethane	63	2.334	2.334	(0.629)	7540078	500.000	450
57 Vinyl Acetate	43	2.391	2.384	(0.645)	12896432	500.000	500(A)
55 DIPE	45	2.398	2.391	(0.647)	14448441	500.000	530(A)
149 tert-Butyl ethyl ether	59	2.656	2.649	(0.716)	12180298	500.000	530(A)
157 Dichlorofluoromethane	67	1.317	1.317	(0.355)	8212709	500.000	450
104 2,2-Dichloropropane	77	2.742	2.742	(0.739)	6733869	500.000	460
13 cis-1,2-Dichloroethene	96	2.749	2.749	(0.741)	4370966	500.000	460
18 2-Butanone	72	2.792	2.778	(0.753)	752244	1000.00	910
56 Ethyl Acetate	70	2.835	2.828	(0.764)	628083	1000.00	1000(A)
108 Bromochloromethane	128	2.936	2.929	(0.791)	1708290	500.000	500(A)
15 Chloroform	83	3.007	3.000	(0.811)	7044021	500.000	460
20 1,1,1-Trichloroethane	97	3.136	3.129	(0.846)	6586502	500.000	490
59 Cyclohexane	56	3.172	3.165	(0.855)	8176247	500.000	460
21 Carbon Tetrachloride	117	3.265	3.265	(0.880)	5622453	500.000	540(A)
92 1,1-Dichloropropene	75	3.272	3.265	(0.882)	6644951	500.000	520(A)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.416	3.408	(0.921)	263410	50.0000	46
28 Benzene	78	3.451	3.444	(0.930)	16345655	500.000	500
17 1,2-Dichloroethane	62	3.480	3.480	(0.938)	4948497	500.000	460
61 Isopropyl Acetate	43	3.573	3.566	(0.963)	16609122	1000.00	1200(A)
140 tert-Amylmethyl Ether	73	3.580	3.573	(0.965)	10053311	500.000	570(A)
* 69 Fluorobenzene	96	3.709	3.709	(1.000)	1162960	50.0000	
25 Trichloroethene	95	4.060	4.053	(1.095)	4200547	500.000	520(A)
63 n-Butanol	43	4.118	4.089	(1.110)	412750	3000.00	3500(A)
96 Ethyl Acrylate	85	4.232	4.218	(1.141)	182272	500.000	530(AH)
126 Methyl cyclohexane	83	4.232	4.225	(1.141)	7970538	500.000	520(A)
23 1,2-Dichloropropane	63	4.289	4.282	(1.156)	4090343	500.000	500
109 Dibromomethane	93	4.404	4.404	(1.187)	2010197	500.000	460
95 1,4-Dioxane	88	4.476	4.454	(1.207)	160033	2000.00	1700(A)
146 Methyl methacrylate	69	4.469	4.454	(1.205)	2098654	500.000	520(A)
64 Propyl Acetate	43	4.555	4.540	(1.228)	9791268	1000.00	1100(A)
22 Bromodichloromethane	83	4.597	4.590	(1.239)	5166514	500.000	530(A)
30 2-Chloroethyl Vinyl Ether	63	4.977	4.963	(1.342)	1939025	500.000	520(A)
118 Epichlorohydrin	57	5.034	5.013	(1.357)	6913543	10000.0	9700
24 cis-1,3-Dichloropropene	75	5.106	5.092	(1.377)	6297822	500.000	560(A)
33 4-Methyl-2-Pentanone	43	5.328	5.314	(1.436)	6263619	1000.00	1000(A)
\$ 37 Toluene-d8 (SUR)	98	5.393	5.385	(0.722)	832232	50.0000	49
38 Toluene	91	5.479	5.464	(0.733)	16075450	500.000	480

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61393.d
 Report Date: 28-Jun-2012 14:18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
29 trans-1,3-Dichloropropene	75	5.801	5.787	(0.777)	5487440	500.000	500
27 1,1,2-Trichloroethane	83	6.016	6.009	(0.805)	2463382	500.000	530(A)
35 Tetrachloroethene	166	6.145	6.130	(0.823)	4062359	500.000	530(A)
103 1,3-Dichloropropane	76	6.223	6.209	(0.833)	5330751	500.000	520(A)
34 2-Hexanone	43	6.410	6.395	(0.858)	4411361	1000.00	1000(A)
26 Dibromochloromethane	129	6.510	6.496	(0.872)	3462833	500.000	500
65 Butyl Acetate	43	6.625	6.610	(0.887)	10362817	1000.00	1000(A)
66 1,2-Dibromoethane	107	6.625	6.610	(0.887)	2835045	500.000	540(A)
* 32 Chlorobenzene-d5	117	7.284	7.269	(1.000)	765834	50.0000	(H)
39 Chlorobenzene	112	7.327	7.312	(0.981)	10088771	500.000	510(A)
97 1,1,1,2-Tetrachloroethane	131	7.470	7.463	(1.000)	3684049	500.000	500
40 Ethylbenzene	106	7.527	7.513	(1.008)	5795101	500.000	530(A)
43 m+p-Xylene	106	7.721	7.692	(1.034)	14587519	1000.00	1000(A)
44 o-Xylene	106	8.286	8.272	(1.109)	6821347	500.000	510(A)
42 Styrene	104	8.322	8.308	(1.114)	11802469	500.000	520(A)
147 Butyl Acrylate	55	8.394	8.380	(0.766)	6270454	500.000	530(A)
31 Bromoform	173	8.551	8.544	(1.145)	2132696	500.000	500(A)
145 Amyl Acetate	43	8.781	8.766	(1.175)	3651899	500.000	500(A)
110 Isopropylbenzene	105	8.881	8.867	(1.189)	18708656	500.000	500(A)
\$ 41 Bromofluorobenzene (SUR)	174	9.089	9.074	(0.830)	279536	50.0000	53
150 Camphene	41	9.210	9.196	(0.841)	2104929	500.000	520(A)
107 Bromobenzene	156	9.275	9.254	(0.847)	4049080	500.000	520(A)
36 1,1,2,2-Tetrachloroethane	83	9.433	9.411	(0.861)	3802810	500.000	560(A)
99 1,2,3-Trichloropropane	110	9.440	9.418	(0.862)	1077261	500.000	550(A)
143 trans-1,4-Dichloro-2-butene	53	9.526	9.511	(2.568)	1253376	500.000	550(A)
112 n-Propylbenzene	91	9.547	9.526	(0.872)	21961519	500.000	500(A)
105 2-Chlorotoluene	91	9.626	9.597	(0.879)	13175848	500.000	530(A)
106 4-Chlorotoluene	91	9.805	9.791	(0.895)	13646777	500.000	530(A)
102 1,3,5-Trimethylbenzene	105	9.862	9.841	(0.901)	15820256	500.000	540(A)
148 Butyl methacrylate	69	10.163	10.142	(0.928)	5592176	500.000	550(A)
115 tert-Butylbenzene	119	10.371	10.349	(0.947)	14272563	500.000	540(A)
100 1,2,4-Trimethylbenzene	105	10.457	10.435	(0.955)	15845978	500.000	530(A)
114 sec-Butylbenzene	105	10.736	10.715	(0.980)	20903059	500.000	510(A)
67 1,3-Dichlorobenzene	146	10.836	10.815	(0.990)	8158275	500.000	510(A)
* 91 1,4-Dichlorobenzene-d4	152	10.951	10.937	(1.000)	389553	50.0000	
68 1,4-Dichlorobenzene	146	10.994	10.973	(1.004)	8332666	500.000	520(A)
113 p-Isopropyltoluene	119	11.016	11.001	(1.006)	17813553	500.000	530(A)
69 1,2-Dichlorobenzene	146	11.531	11.517	(1.053)	7511141	500.000	500(A)
117 Benzyl chloride	91	11.252	11.245	(1.027)	7336108	500.000	500
111 n-Butylbenzene	91	11.617	11.610	(1.061)	15862028	500.000	460
101 1,2-Dibromo-3-chloropropane	75	12.484	12.477	(1.140)	735666	500.000	520(A)
152 Camphor	95	13.193	13.186	(1.205)	2002408	2500.00	2500
93 1,2,4-Trichlorobenzene	180	13.279	13.272	(1.213)	5933156	500.000	490
94 Hexachlorobutadiene	225	13.458	13.451	(1.229)	3754508	500.000	510(A)
70 Naphthalene	128	13.480	13.480	(1.231)	11156724	500.000	430
98 1,2,3-Trichlorobenzene	180	13.695	13.687	(1.251)	5392287	500.000	480
M 45 Xylene (Total)	100				21408866	1500.00	1500(A)

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61393.d
Report Date: 28-Jun-2012 14:18

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- H - Operator selected an alternate compound hit.

Data File: o61393.d

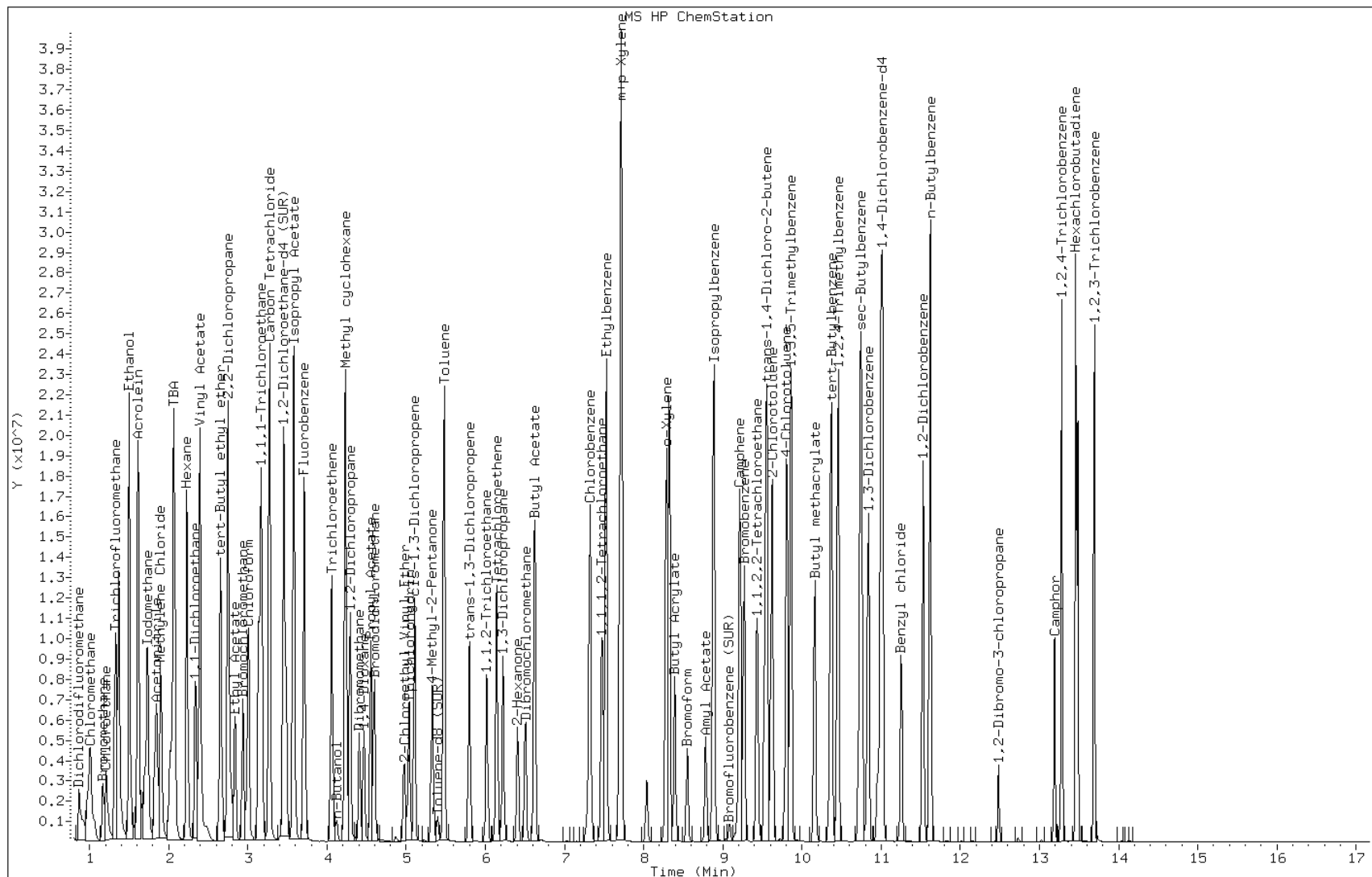
Date: 21-JUN-2012 21:11

Client ID:

Instrument: VOAMS12.i

Sample Info: IC-VMCAL6

Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61398.d
 Report Date: 28-Jun-2012 14:18

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61398.d
 Lab Smp Id: IC-VMCAL1
 Inj Date : 21-JUN-2012 23:37
 Operator : VOAMS 9
 Smp Info : IC-VMCAL1
 Misc Info :
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/8260L_10.m
 Meth Date : 28-Jun-2012 14:18 maryb
 Cal Date : 21-JUN-2012 23:37
 Als bottle: 12
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS12.i
 Quant Type: ISTD
 Cal File: o61398.d
 Calibration Sample, Level: 1
 Compound Sublist: all.sub

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	5.00000	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	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL -AMT (ug/L)	ON -COL (ug/L)
M 14 1,2-Dichloroethene (total)	100				14000	2.00000	2.3
90 Dichlorodifluoromethane	85	0.873	0.866	(0.236)	8331	1.00000	1.1
1 Chloromethane	50	0.987	0.980	(0.267)	11206	1.00000	1.5
4 Vinyl Chloride	62	1.009	1.009	(0.273)	8809	1.00000	1.1
3 Bromomethane	94	1.159	1.166	(0.313)	7182	1.00000	1.7
5 Chloroethane	64	1.217	1.217	(0.329)	5307	1.00000	1.2
9 Trichlorofluoromethane	101	1.338	1.338	(0.362)	13744	1.00000	1.2
127 Ethanol	46	1.460	1.474	(0.394)	31838	1000.00	1000
46 Ethyl Ether	59	1.496	1.496	(0.404)	4735	1.00000	1.1
119 Isoprene	67	1.496	1.503	(0.404)	8251	1.00000	1.0
47 Acrolein	56	1.568	1.568	(0.423)	82278	100.000	110
10 1,1-Dichloroethene	96	1.611	1.611	(0.435)	5818	1.00000	1.2
48 Freon TF	101	1.611	1.611	(0.435)	5887	1.00000	1.0
7 Acetone	43	1.661	1.661	(0.449)	23834	10.0000	18

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61398.d
Report Date: 28-Jun-2012 14:18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
142 Iodomethane	142	1.704	1.704 (0.460)		6663	1.00000	0.99(a)
8 Carbon Disulfide	76	1.732	1.732 (0.468)		19852	1.00000	1.2
50 Acetonitrile	41	1.826	1.825 (0.493)		22956	20.0000	37
125 Methyl acetate	74	1.847	1.840 (0.499)		1137	1.00000	1.4
6 Methylene Chloride	84	1.897	1.897 (0.512)		12077	1.00000	2.4
51 TBA	59	1.990	1.997 (0.538)		13525	20.0000	25
52 Acrylonitrile	53	2.055	2.055 (0.555)		110138	50.0000	58
12 trans-1,2-Dichloroethene	96	2.055	2.055 (0.555)		6513	1.00000	1.2
53 MTBE	73	2.062	2.062 (0.557)		13484	1.00000	0.98(a)
54 Hexane	56	2.227	2.227 (0.601)		5593	1.00000	1.1
11 1,1-Dichloroethane	63	2.327	2.334 (0.629)		13358	1.00000	1.2
57 Vinyl Acetate	43	2.377	2.384 (0.642)		18278	1.00000	1.0
55 DIPE	45	2.384	2.391 (0.644)		15885	1.00000	0.87(a)
149 tert-Butyl ethyl ether	59	2.649	2.649 (0.716)		13783	1.00000	0.90(a)
157 Dichlorofluoromethane	67	1.317	1.317 (0.356)		13452	1.00000	1.1
104 2,2-Dichloropropane	77	2.742	2.742 (0.741)		12603	1.00000	1.3
13 cis-1,2-Dichloroethene	96	2.750	2.749 (0.743)		7487	1.00000	1.2
18 2-Butanone	72	2.778	2.778 (0.750)		5919	10.0000	11
56 Ethyl Acetate	70	2.828	2.828 (0.764)		670	2.00000	1.6(a)
108 Bromochloromethane	128	2.929	2.929 (0.791)		3325	1.00000	1.4
15 Chloroform	83	3.000	3.000 (0.810)		12440	1.00000	1.2
20 1,1,1-Trichloroethane	97	3.129	3.129 (0.845)		9281	1.00000	1.0
59 Cyclohexane	56	3.165	3.165 (0.855)		12438	1.00000	1.0
21 Carbon Tetrachloride	117	3.265	3.265 (0.882)		6719	1.00000	0.97(a)
92 1,1-Dichloropropene	75	3.272	3.265 (0.884)		8155	1.00000	0.95(a)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.408 (0.921)		204994	50.0000	53
28 Benzene	78	3.444	3.444 (0.930)		22412	1.00000	1.0
17 1,2-Dichloroethane	62	3.473	3.480 (0.938)		8597	1.00000	1.2
61 Isopropyl Acetate	43	3.566	3.566 (0.963)		15977	2.00000	1.6(a)
140 tert-Amylmethyl Ether	73	3.566	3.573 (0.963)		10553	1.00000	0.89(a)
* 69 Fluorobenzene	96	3.702	3.709 (1.000)		782930	50.0000	
25 Trichloroethene	95	4.046	4.053 (1.093)		5332	1.00000	0.99(a)
63 n-Butanol	43	4.082	4.089 (1.103)		40921	500.000	510
96 Ethyl Acrylate	85	4.225	4.218 (1.141)		217	1.00000	0.94(aH)
126 Methyl cyclohexane	83	4.225	4.225 (1.141)		9452	1.00000	0.92(a)
23 1,2-Dichloropropane	63	4.282	4.282 (1.157)		5662	1.00000	1.0
109 Dibromomethane	93	4.404	4.404 (1.190)		3522	1.00000	1.2
95 1,4-Dioxane	88	4.454	4.454 (1.203)		3689	50.0000	60
146 Methyl methacrylate	69	4.454	4.454 (1.203)		2982	1.00000	1.1
64 Propyl Acetate	43	4.540	4.540 (1.226)		9799	2.00000	1.7(a)
22 Bromodichloromethane	83	4.583	4.590 (1.238)		6038	1.00000	0.92(a)
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963 (1.341)		2609	1.00000	1.0
118 Epichlorohydrin	57	5.020	5.013 (1.356)		10962	20.0000	23
24 cis-1,3-Dichloropropene	75	5.092	5.092 (1.375)		7074	1.00000	0.93(a)
33 4-Methyl-2-Pentanone	43	5.314	5.314 (1.435)		37549	10.0000	9.3(a)
\$ 37 Toluene-d8 (SUR)	98	5.386	5.385 (0.741)		615151	50.0000	46
38 Toluene	91	5.464	5.464 (0.752)		29506	1.00000	1.1

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61398.d
 Report Date: 28-Jun-2012 14:18

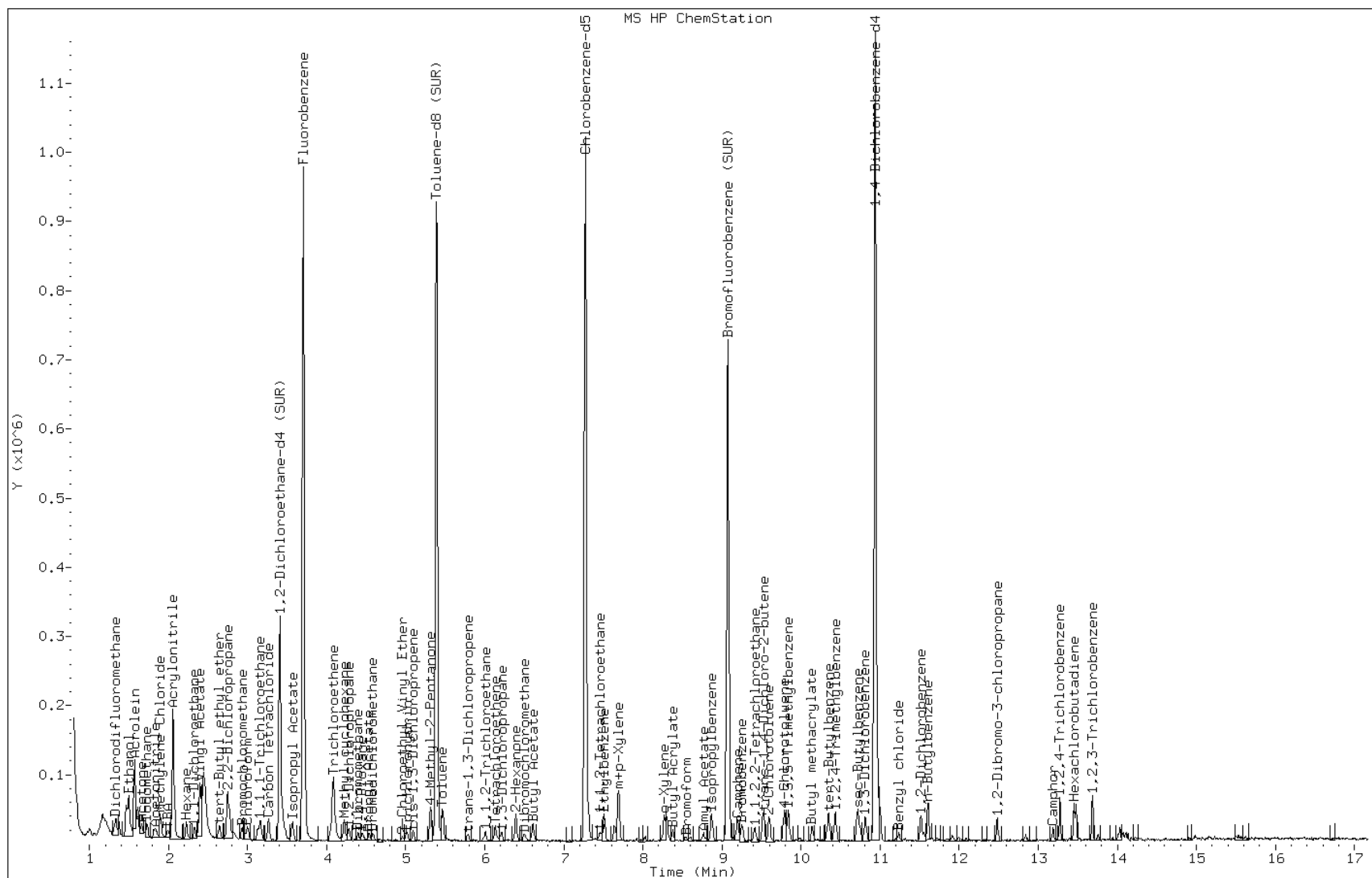
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
29 trans-1,3-Dichloropropene	75	5.787	5.787	(0.796)	5329	1.00000	0.65(a)
27 1,1,2-Trichloroethane	83	6.002	6.009	(0.826)	3612	1.00000	0.99(a)
35 Tetrachloroethene	166	6.138	6.130	(0.844)	6071	1.00000	1.0
103 1,3-Dichloropropane	76	6.216	6.209	(0.855)	7783	1.00000	0.96(a)
34 2-Hexanone	43	6.388	6.395	(0.879)	32073	10.0000	9.6(a)
26 Dibromochloromethane	129	6.496	6.496	(0.894)	3996	1.00000	0.80(a)
65 Butyl Acetate	43	6.603	6.610	(0.908)	17034	2.00000	2.2
66 1,2-Dibromoethane	107	6.610	6.610	(0.909)	3770	1.00000	0.92(a)
* 32 Chlorobenzene-d5	117	7.269	7.269	(1.000)	600209	50.0000	
39 Chlorobenzene	112	7.312	7.312	(1.006)	16786	1.00000	1.1
97 1,1,1,2-Tetrachloroethane	131	7.449	7.463	(1.025)	3558	1.00000	0.70(a)
40 Ethylbenzene	106	7.506	7.513	(1.033)	8673	1.00000	1.0
43 m+p-Xylene	106	7.692	7.692	(1.058)	24147	2.00000	2.2
44 o-Xylene	106	8.272	8.272	(1.138)	11308	1.00000	1.1
42 Styrene	104	8.308	8.308	(1.143)	18951	1.00000	1.0
147 Butyl Acrylate	55	8.380	8.380	(0.766)	11274	1.00000	1.0
31 Bromoform	173	8.537	8.544	(1.174)	2254	1.00000	0.82(a)
145 Amyl Acetate	43	8.767	8.766	(1.206)	6685	1.00000	1.2
110 Isopropylbenzene	105	8.867	8.867	(1.220)	29552	1.00000	1.0
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.074	(0.830)	226605	50.0000	47
150 Camphene	41	9.189	9.196	(0.840)	3914	1.00000	1.0
107 Bromobenzene	156	9.254	9.254	(0.846)	7750	1.00000	1.1
36 1,1,2,2-Tetrachloroethane	83	9.404	9.411	(0.860)	5963	1.00000	0.96(a)
99 1,2,3-Trichloropropane	110	9.418	9.418	(0.861)	1860	1.00000	1.0
143 trans-1,4-Dichloro-2-butene	53	9.504	9.511	(2.567)	1508	1.00000	0.98(a)
112 n-Propylbenzene	91	9.526	9.526	(0.871)	38336	1.00000	0.96(a)
105 2-Chlorotoluene	91	9.597	9.597	(0.878)	22114	1.00000	0.98(a)
106 4-Chlorotoluene	91	9.791	9.791	(0.895)	25067	1.00000	1.0
102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	26012	1.00000	0.97(a)
148 Butyl methacrylate	69	10.142	10.142	(0.927)	9241	1.00000	0.99(a)
115 tert-Butylbenzene	119	10.342	10.349	(0.946)	23965	1.00000	0.99(a)
100 1,2,4-Trimethylbenzene	105	10.435	10.435	(0.954)	26392	1.00000	0.97(a)
114 sec-Butylbenzene	105	10.715	10.715	(0.980)	37000	1.00000	0.99(a)
67 1,3-Dichlorobenzene	146	10.815	10.815	(0.989)	16338	1.00000	1.1
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	356477	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)	16803	1.00000	1.1
113 p-Isopropyltoluene	119	10.994	11.001	(1.005)	29172	1.00000	0.95(a)
69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)	14876	1.00000	1.1
117 Benzyl chloride	91	11.238	11.245	(1.028)	7220	1.00000	0.59(a)
111 n-Butylbenzene	91	11.610	11.610	(1.062)	30888	1.00000	0.99(a)
101 1,2-Dibromo-3-chloropropane	75	12.484	12.477	(1.141)	1602	1.00000	1.2
152 Camphor	95	13.186	13.186	(1.206)	3783	5.00000	5.2
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)	12879	1.00000	1.2
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)	7761	1.00000	1.2
70 Naphthalene	128	13.480	13.480	(1.232)	30403	1.00000	1.3
98 1,2,3-Trichlorobenzene	180	13.688	13.687	(1.251)	12685	1.00000	1.2
M 45 Xylene (Total)	100				35455	3.00000	3.3

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61398.d
Report Date: 28-Jun-2012 14:18

QC Flag Legend

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

Operator: VOAMS 9



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Lab Sample ID: CCVIS 460-117776/2 Calibration Date: 06/28/2012 04:46

Instrument ID: VOAMS12 Calib Start Date: 06/21/2012 19:31

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/21/2012 23:37

Lab File ID: o61629.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4740	0.4645		19.6	20.0	-2.0	50.0
Chloromethane	LinF	0.5685	0.5338	0.1000	22.8	20.0	14.1	50.0
Vinyl chloride	Ave	0.5169	0.4958		19.2	20.0	-4.1	20.0
Bromomethane	LinF	0.3189	0.2537		18.5	20.0	-7.7	50.0
Chloroethane	Ave	0.2887	0.2667		18.5	20.0	-7.6	50.0
Trichlorofluoromethane	Ave	0.7283	0.6647		18.3	20.0	-8.7	50.0
Ethanol	Ave	0.0020	0.0019		2810	3000	-6.5	50.0
Ethyl ether	Ave	0.2767	0.2806		20.3	20.0	1.4	50.0
Isopropene	Ave	0.5042	0.5068		20.1	20.0	0.5	50.0
Acrolein	Ave	0.0466	0.0425		274	300	-8.7	99.0
1,1-Dichloroethene	Ave	0.3060	0.2848		18.6	20.0	-6.9	20.0
Freon TF	Ave	0.3633	0.3576		19.7	20.0	-1.6	50.0
Acetone	LinF	0.1089	0.0976		22.8	20.0	14.1	50.0
Iodomethane	Ave	0.4311	0.4378		20.3	20.0	1.5	50.0
Carbon disulfide	Ave	1.086	0.9879		18.2	20.0	-9.0	50.0
Acetonitrile	LinF	0.0506	0.0448		453	400	13.3	50.0
Methyl acetate	LinF	0.0573	0.0561		21.7	20.0	8.7	50.0
Methylene Chloride	LinF	0.4477	0.3386		21.5	20.0	7.4	50.0
TBA	Ave	0.0350	0.0327		374	400	-6.6	50.0
Acrylonitrile	Ave	0.1218	0.1122		138	150	-7.9	50.0
trans-1,2-Dichloroethene	Ave	0.3600	0.3388		18.8	20.0	-5.9	50.0
MTBE	Ave	0.8791	0.8826		20.1	20.0	0.4	50.0
Hexane	Ave	0.3253	0.3312		20.4	20.0	1.8	50.0
1,1-Dichloroethane	Ave	0.7261	0.6715	0.1000	18.5	20.0	-7.5	50.0
Vinyl acetate	Ave	1.105	1.104		20.0	20.0	-0.1	50.0
DIPE	Ave	1.165	1.241		21.3	20.0	6.5	50.0
Tert-butyl ethyl ether	Ave	0.9791	1.024	0.0100	20.9	20.0	4.5	50.0
2,2-Dichloropropane	Ave	0.6304	0.5843		18.5	20.0	-7.3	50.0
cis-1,2-Dichloroethene	Ave	0.4066	0.3879		19.1	20.0	-4.6	50.0
2-Butanone	Ave	0.0354	0.0369		20.9	20.0	4.4	50.0
Ethyl acetate	Ave	0.0260	0.0246		37.9	40.0	-5.3	50.0
Bromochloromethane	LinF	0.1657	0.1572		21.5	20.0	7.3	50.0
Chloroform	Ave	0.6649	0.6189		18.6	20.0	-6.9	20.0
1,1,1-Trichloroethane	Ave	0.5740	0.5629		19.6	20.0	-1.9	50.0
Cyclohexane	Ave	0.7563	0.7329		19.4	20.0	-3.1	50.0
1,1-Dichloropropene	Ave	0.5473	0.5411		19.8	20.0	-1.1	50.0
Carbon tetrachloride	Ave	0.4438	0.4389		19.8	20.0	-1.1	50.0
Benzene	Ave	1.408	1.400		19.9	20.0	-0.6	50.0
1,2-Dichloroethane	Ave	0.4612	0.4327		18.8	20.0	-6.2	50.0
Isopropyl acetate	Ave	0.6201	0.6523		42.1	40.0	5.2	50.0
Tert-amyl methyl ether	Ave	0.7539	0.8119		21.5	20.0	7.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Lab Sample ID: CCVIS 460-117776/2 Calibration Date: 06/28/2012 04:46

Instrument ID: VOAMS12 Calib Start Date: 06/21/2012 19:31

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/21/2012 23:37

Lab File ID: o61629.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Trichloroethene	Ave	0.3451	0.3467		20.1	20.0	0.4	50.0
n-Butanol	Ave	0.0051	0.0047		1390	1500	-7.2	50.0
Ethyl acrylate	Ave	0.0148	0.0149		20.1	20.0	0.7	50.0
Methylcyclohexane	Ave	0.6558	0.6817		20.8	20.0	3.9	50.0
1,2-Dichloropropane	Ave	0.3534	0.3480		19.7	20.0	-1.5	20.0
Dibromomethane	Ave	0.1860	0.1701		18.3	20.0	-8.5	50.0
1,4-Dioxane	Ave	0.0039	0.0043		162	150	8.2	50.0
Methyl methacrylate	Ave	0.1746	0.1833		21.0	20.0	5.0	50.0
Propyl acetate	Ave	0.3759	0.4024		42.8	40.0	7.0	50.0
Bromodichloromethane	Ave	0.4179	0.4166		19.9	20.0	-0.3	50.0
2-Chloroethyl vinyl ether	Ave	0.1589	0.1795		22.6	20.0	13.0	50.0
Epichlorohydrin	Ave	0.0307	0.0296		385	400	-3.7	50.0
cis-1,3-Dichloropropene	Ave	0.4861	0.5071		20.9	20.0	4.3	50.0
4-Methyl-2-pentanone	Ave	0.2567	0.2711		21.1	20.0	5.6	50.0
Toluene	Ave	2.182	2.057		18.9	20.0	-5.7	20.0
trans-1,3-Dichloropropene	QuaF	0.5832	0.5693		16.6	20.0	-16.8	50.0
1,1,2-Trichloroethane	Ave	0.3029	0.2834		18.7	20.0	-6.4	50.0
Tetrachloroethene	Ave	0.5025	0.5123		20.4	20.0	2.0	50.0
1,3-Dichloropropane	Ave	0.6730	0.6165		18.3	20.0	-8.4	50.0
2-Hexanone	Ave	0.2777	0.2487		17.9	20.0	-10.4	50.0
Dibromochloromethane	QuaF	0.3729	0.3468		16.5	20.0	-17.3	50.0
Butyl acetate	Ave	0.6518	0.6294		38.6	40.0	-3.4	50.0
1,2-Dibromoethane	Ave	0.3429	0.3310		19.3	20.0	-3.5	50.0
Chlorobenzene	Ave	1.299	1.219	0.3000	18.8	20.0	-6.2	50.0
1,1,1,2-Tetrachloroethane	QuaF	0.3842	0.3739		17.5	20.0	-12.3	50.0
Ethylbenzene	Ave	0.7166	0.6911		19.3	20.0	-3.6	20.0
m&p-Xylene	Ave	0.9183	0.8596		37.4	40.0	-6.4	50.0
o-Xylene	Ave	0.8713	0.8407		19.3	20.0	-3.5	50.0
Styrene	Ave	1.492	1.410		18.9	20.0	-5.5	50.0
Butyl acrylate	Ave	1.513	1.406		18.6	20.0	-7.1	50.0
Bromoform	QuaF	0.2104	0.1962	0.1000	17.2	20.0	-14.2	50.0
Amly acetate	Ave	0.4712	0.4164		17.7	20.0	-11.6	50.0
Isopropylbenzene	Ave	2.428	2.328		19.2	20.0	-4.1	50.0
Camphene, Total	Ave	0.5234	0.4742		18.1	20.0	-9.4	50.0
Monobromobenzene	Ave	0.999	0.9545		19.1	20.0	-4.5	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8712	0.8115	0.3000	18.6	20.0	-6.9	50.0
1,2,3-Trichloropropane	Ave	0.2521	0.2271		18.0	20.0	-9.9	50.0
trans-1,4-Dichloro-2-butene	Ave	0.0981	0.0992		20.2	20.0	1.2	50.0
N-Propylbenzene	Ave	5.615	5.314		18.9	20.0	-5.4	50.0
2-Chlorotoluene	Ave	3.173	2.942		18.5	20.0	-7.3	50.0
4-Chlorotoluene	Ave	3.324	3.049		18.3	20.0	-8.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-117776/2 Calibration Date: 06/28/2012 04:46
 Instrument ID: VOAMS12 Calib Start Date: 06/21/2012 19:31
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/21/2012 23:37
 Lab File ID: o61629.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3,5-Trimethylbenzene	Ave	3.776	3.519		18.6	20.0	-6.8	50.0
Butyl Methacrylate	Ave	1.312	1.191		18.2	20.0	-9.2	50.0
tert-Butylbenzene	Ave	3.394	3.218		19.0	20.0	-5.2	50.0
1,2,4-Trimethylbenzene	Ave	3.816	3.568		18.7	20.0	-6.5	50.0
sec-Butylbenzene	Ave	5.254	4.926		18.8	20.0	-6.2	50.0
1,3-Dichlorobenzene	Ave	2.051	1.959		19.1	20.0	-4.5	50.0
1,4-Dichlorobenzene	Ave	2.068	1.938		18.7	20.0	-6.3	50.0
p-Isopropyltoluene	Ave	4.306	4.046		18.8	20.0	-6.0	50.0
Benzyl chloride	QuaF	1.392	1.278		14.9	20.0	-25.7	50.0
1,2-Dichlorobenzene	Ave	1.911	1.849		19.3	20.0	-3.3	50.0
n-Butylbenzene	Ave	4.378	4.098		18.7	20.0	-6.4	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1806	0.1459		16.2	20.0	-19.2	50.0
Camphor	Ave	0.1029	0.0921		89.5	100	-10.5	50.0
1,2,4-Trichlorobenzene	Ave	1.543	1.510		19.6	20.0	-2.1	50.0
Hexachlorobutadiene	Ave	0.9373	0.9118		19.5	20.0	-2.7	50.0
Naphthalene	Ave	3.342	3.032		18.1	20.0	-9.3	50.0
1,2,3-Trichlorobenzene	Ave	1.431	1.330		18.6	20.0	-7.0	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2473	0.2390		48.3	50.0	-3.4	50.0
Toluene-d8 (Surr)	Ave	1.101	1.109		50.3	50.0	0.7	50.0
Bromofluorobenzene	Ave	0.6798	0.7108		52.3	50.0	4.6	50.0

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61629.d
 Report Date: 28-Jun-2012 15:38

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61629.d
 Lab Smp Id: CCVIS
 Inj Date : 28-JUN-2012 04:46
 Operator : VOAMS 9
 Smp Info : CCVIS
 Misc Info :
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 15:38 maryb
 Cal Date : 21-JUN-2012 23:37
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS12.i
 Quant Type: ISTD
 Cal File: o61398.d
 Continuing Calibration Sample
 Compound Sublist: all.sub

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	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

						AMOUNTS	
		QUANT	SIG			CAL -AMT	ON -COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
M 14 1,2-Dichloroethene (total)	100				305020	40.0000	38
90 Dichlorodifluoromethane	85	0.866	0.866	(0.234)	194925	20.0000	20
1 Chloromethane	50	0.988	0.988	(0.267)	224037	20.0000	23
4 Vinyl Chloride	62	1.009	1.009	(0.273)	208099	20.0000	19
3 Bromomethane	94	1.167	1.167	(0.315)	106455	20.0000	18
5 Chloroethane	64	1.217	1.217	(0.329)	111915	20.0000	18
9 Trichlorofluoromethane	101	1.339	1.339	(0.362)	278953	20.0000	18
127 Ethanol	46	1.453	1.453	(0.392)	117197	3000.00	2800
46 Ethyl Ether	59	1.496	1.496	(0.404)	117746	20.0000	20
119 Isoprene	67	1.503	1.503	(0.406)	212707	20.0000	20
47 Acrolein	56	1.568	1.568	(0.423)	267776	300.000	270
10 1,1-Dichloroethene	96	1.611	1.611	(0.435)	119534	20.0000	19
48 Freon TF	101	1.618	1.618	(0.437)	150093	20.0000	20
7 Acetone	43	1.654	1.654	(0.447)	40948	20.0000	23

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61629.d
 Report Date: 28-Jun-2012 15:38

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
142 Iodomethane	142	1.704	1.704	(0.460)	183737	20.0000	20
8 Carbon Disulfide	76	1.732	1.732	(0.468)	414616	20.0000	18
50 Acetonitrile	41	1.818	1.818	(0.491)	376187	400.000	450
125 Methyl acetate	74	1.840	1.840	(0.497)	23535	20.0000	22
6 Methylene Chloride	84	1.897	1.897	(0.512)	142102	20.0000	21
51 TBA	59	1.983	1.983	(0.536)	274187	400.000	370
52 Acrylonitrile	53	2.055	2.055	(0.555)	353190	150.000	140
12 trans-1,2-Dichloroethene	96	2.055	2.055	(0.555)	142207	20.0000	19
53 MTBE	73	2.062	2.062	(0.557)	370408	20.0000	20
54 Hexane	56	2.227	2.227	(0.601)	139003	20.0000	20
11 1,1-Dichloroethane	63	2.334	2.334	(0.630)	281821	20.0000	18
57 Vinyl Acetate	43	2.377	2.377	(0.642)	463291	20.0000	20
55 DIPE	45	2.384	2.384	(0.644)	520678	20.0000	21
149 tert-Butyl ethyl ether	59	2.642	2.642	(0.714)	429559	20.0000	21
157 Dichlorofluoromethane	67	1.317	1.317	(0.356)	329714	20.0000	20
104 2,2-Dichloropropane	77	2.742	2.742	(0.741)	245214	20.0000	18
13 cis-1,2-Dichloroethene	96	2.742	2.742	(0.741)	162813	20.0000	19
18 2-Butanone	72	2.771	2.771	(0.748)	15494	20.0000	21
56 Ethyl Acetate	70	2.828	2.828	(0.764)	20661	40.0000	38
108 Bromochloromethane	128	2.929	2.929	(0.791)	65964	20.0000	21
15 Chloroform	83	3.000	3.000	(0.810)	259738	20.0000	19
20 1,1,1-Trichloroethane	97	3.129	3.129	(0.845)	236224	20.0000	20
59 Cyclohexane	56	3.165	3.165	(0.855)	307576	20.0000	19
21 Carbon Tetrachloride	117	3.265	3.265	(0.882)	184206	20.0000	20
92 1,1-Dichloropropene	75	3.265	3.265	(0.882)	227076	20.0000	20
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.921)	250748	50.0000	48
28 Benzene	78	3.444	3.444	(0.930)	587565	20.0000	20
17 1,2-Dichloroethane	62	3.473	3.473	(0.938)	181596	20.0000	19
61 Isopropyl Acetate	43	3.566	3.566	(0.963)	547525	40.0000	42
140 tert-Amylmethyl Ether	73	3.566	3.566	(0.963)	340739	20.0000	22
* 69 Fluorobenzene	96	3.702	3.702	(1.000)	1049234	50.0000	
25 Trichloroethene	95	4.053	4.053	(1.095)	145487	20.0000	20
63 n-Butanol	43	4.075	4.075	(1.101)	148850	1500.00	1400
96 Ethyl Acrylate	85	4.211	4.211	(1.137)	6251	20.0000	20
126 Methyl cyclohexane	83	4.225	4.225	(1.141)	286110	20.0000	21
23 1,2-Dichloropropane	63	4.283	4.283	(1.157)	146069	20.0000	20
109 Dibromomethane	93	4.397	4.397	(1.188)	71382	20.0000	18
95 1,4-Dioxane	88	4.454	4.454	(1.203)	13430	150.000	160
146 Methyl methacrylate	69	4.454	4.454	(1.203)	76940	20.0000	21
64 Propyl Acetate	43	4.533	4.533	(1.224)	337731	40.0000	43
22 Bromodichloromethane	83	4.591	4.591	(1.240)	174862	20.0000	20
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.340)	75322	20.0000	22
118 Epichlorohydrin	57	5.013	5.013	(1.354)	248218	400.000	380
24 cis-1,3-Dichloropropene	75	5.092	5.092	(1.375)	212811	20.0000	21
33 4-Methyl-2-Pentanone	43	5.314	5.314	(1.435)	113767	20.0000	21
\$ 37 Toluene-d8 (SUR)	98	5.386	5.386	(0.741)	844897	50.0000	50
38 Toluene	91	5.464	5.464	(0.752)	626853	20.0000	19

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61629.d
 Report Date: 28-Jun-2012 15:38

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
29 trans-1,3-Dichloropropene	75	5.787	5.787	(0.796)	173490	20.0000	17
27 1,1,2-Trichloroethane	83	6.009	6.009	(0.827)	86355	20.0000	19
35 Tetrachloroethene	166	6.131	6.131	(0.843)	156132	20.0000	20
103 1,3-Dichloropropane	76	6.209	6.209	(0.854)	187883	20.0000	18
34 2-Hexanone	43	6.388	6.388	(0.879)	75802	20.0000	18
26 Dibromochloromethane	129	6.496	6.496	(0.894)	105699	20.0000	16
65 Butyl Acetate	43	6.603	6.603	(0.908)	383643	40.0000	39
66 1,2-Dibromoethane	107	6.611	6.611	(0.909)	100856	20.0000	19
* 32 Chlorobenzene-d5	117	7.270	7.270	(1.000)	761876	50.0000	
39 Chlorobenzene	112	7.312	7.312	(1.006)	371591	20.0000	19
97 1,1,1,2-Tetrachloroethane	131	7.463	7.463	(1.027)	113949	20.0000	18
40 Ethylbenzene	106	7.513	7.513	(1.034)	210618	20.0000	19
43 m+p-Xylene	106	7.692	7.692	(1.058)	523941	40.0000	37
44 o-Xylene	106	8.272	8.272	(1.138)	256207	20.0000	19
42 Styrene	104	8.301	8.301	(1.142)	429613	20.0000	19
147 Butyl Acrylate	55	8.380	8.380	(0.766)	231726	20.0000	18
31 Bromoform	173	8.537	8.537	(1.174)	59801	20.0000	17
145 Amyl Acetate	43	8.767	8.767	(1.206)	126897	20.0000	18
110 Isopropylbenzene	105	8.867	8.867	(1.220)	709580	20.0000	19
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.075	(0.830)	292925	50.0000	52
150 Camphene	41	9.196	9.196	(0.841)	78162	20.0000	18
107 Bromobenzene	156	9.254	9.254	(0.846)	157336	20.0000	19
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411	(0.860)	133763	20.0000	19
99 1,2,3-Trichloropropane	110	9.418	9.418	(0.861)	37431	20.0000	18
143 trans-1,4-Dichloro-2-butene	53	9.504	9.504	(2.567)	41649	20.0000	20
112 n-Propylbenzene	91	9.526	9.526	(0.871)	875936	20.0000	19
105 2-Chlorotoluene	91	9.598	9.598	(0.878)	484974	20.0000	18
106 4-Chlorotoluene	91	9.784	9.784	(0.895)	502619	20.0000	18
102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	580012	20.0000	19
148 Butyl methacrylate	69	10.142	10.142	(0.927)	196331	20.0000	18
115 tert-Butylbenzene	119	10.350	10.350	(0.946)	530412	20.0000	19
100 1,2,4-Trimethylbenzene	105	10.436	10.436	(0.954)	588067	20.0000	19
114 sec-Butylbenzene	105	10.715	10.715	(0.980)	811983	20.0000	19
67 1,3-Dichlorobenzene	146	10.815	10.815	(0.989)	322932	20.0000	19
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	412077	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)	319500	20.0000	19
113 p-Isopropyltoluene	119	10.994	10.994	(1.005)	666901	20.0000	19
69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)	304725	20.0000	19
117 Benzyl chloride	91	11.238	11.238	(1.028)	210671	20.0000	15
111 n-Butylbenzene	91	11.603	11.603	(1.061)	675453	20.0000	19
101 1,2-Dibromo-3-chloropropane	75	12.477	12.477	(1.141)	24051	20.0000	16
152 Camphor	95	13.186	13.186	(1.206)	75914	100.000	89
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)	248901	20.0000	20
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)	150299	20.0000	19
70 Naphthalene	128	13.480	13.480	(1.232)	499713	20.0000	18
98 1,2,3-Trichlorobenzene	180	13.688	13.688	(1.251)	219213	20.0000	18
M 45 Xylene (Total)	100				780148	60.0000	57

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61386.d
Report Date: 21-Jun-2012 18:34

TestAmerica

[illegible]

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
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
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89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

RT	EXP	RT	(REL	RT)	MASS	CONCENTRATIONS		TARGET	RANGE	RATIO
						ON-COL	FINAL			
==	=====	=====	=====	=====	=====	(ug/L)	(ug/L)	=====	=====	=====
1	BFB							CAS #:	460-00-4	
2.222	2.100	(0.000)	95	119773				0.00-	100.00	100.00
2.222	2.100	(0.000)	50	25156				15.00-	40.00	21.00
2.222	2.100	(0.000)	75	60712				30.00-	60.00	50.69
2.222	2.100	(0.000)	96	7281				5.00-	9.00	6.08
2.222	2.100	(0.000)	173	903				0.00-	2.00	1.00
2.222	2.100	(0.000)	174	90328				50.00-	100.00	75.42
2.222	2.100	(0.000)	175	7209				5.00-	9.00	7.98
2.222	2.100	(0.000)	176	88037				95.00-	101.00	97.46
2.222	2.100	(0.000)	177	5746				5.00-	9.00	6.53

Data File: o61386.d

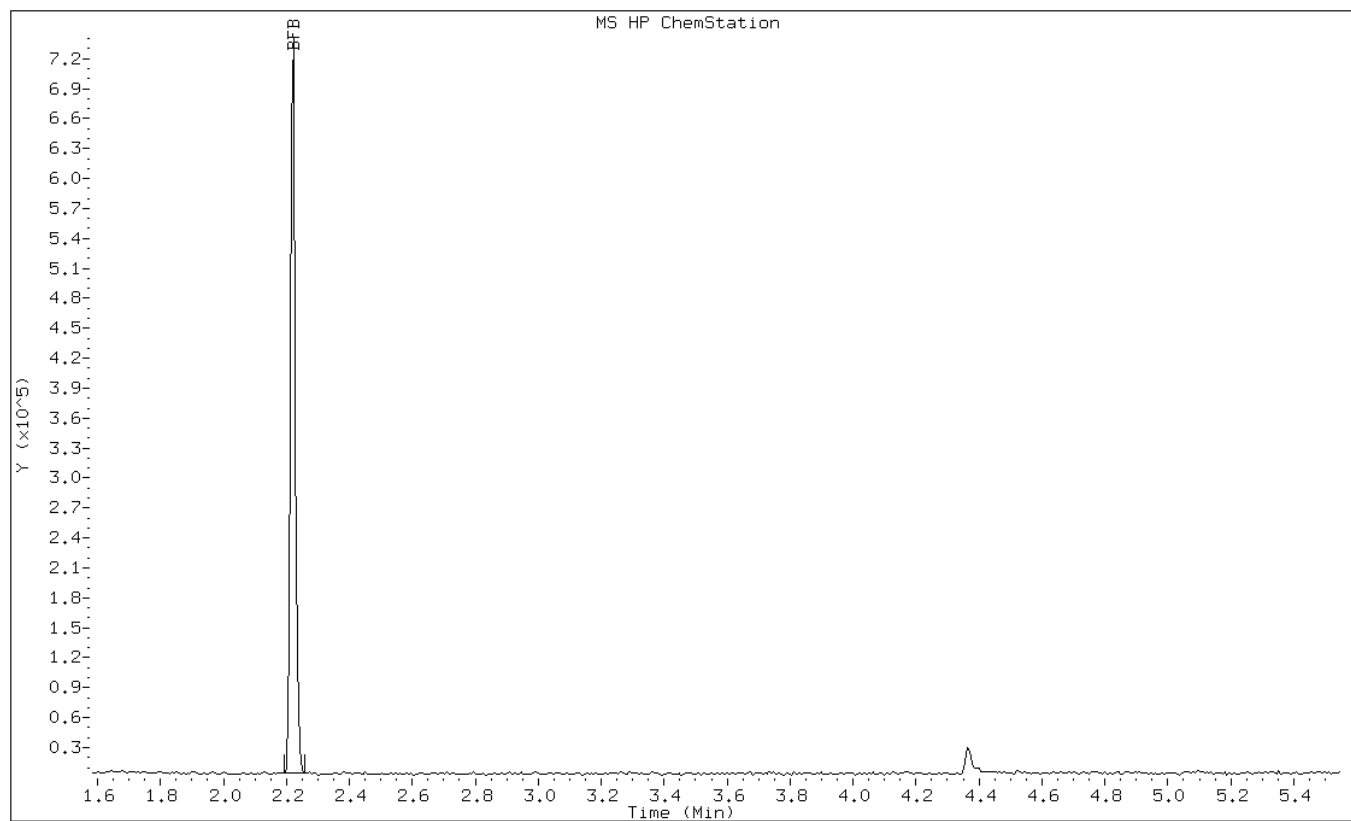
Date: 21-JUN-2012 18:14

Client ID:

Instrument: VOAMS12.i

Sample Info: BFB

Operator: VOAMS 1



Data File: o61386.d

Date: 21-JUN-2012 18:14

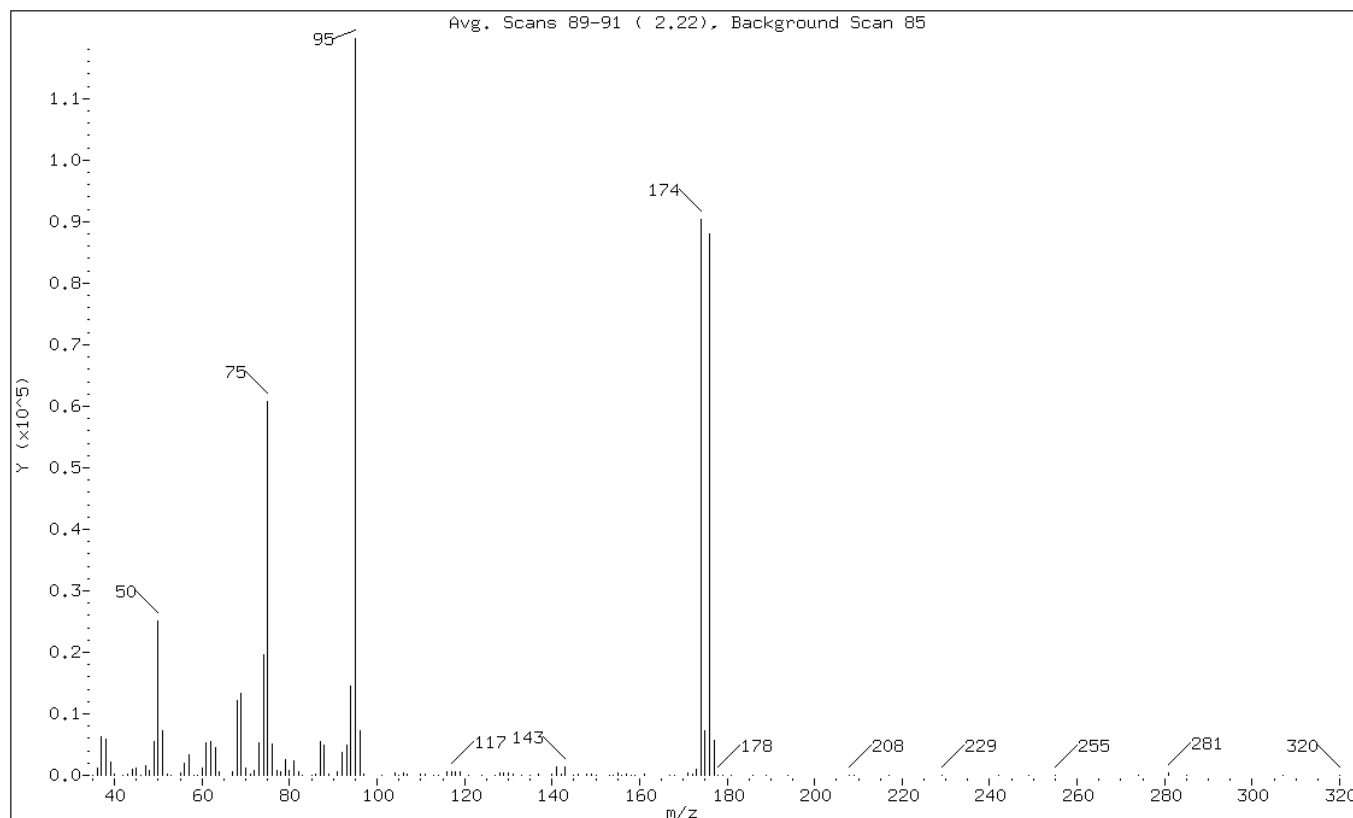
Client ID:

Instrument: VOAMS12.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	21.00
75	30.00 - 60.00% of mass 95	50.69
96	5.00 - 9.00% of mass 95	6.08
173	Less than 2.00% of mass 174	0.75 (1.00)
174	50.00 - 100.00% of mass 95	75.42
175	5.00 - 9.00% of mass 174	6.02 (7.98)
176	95.00 - 101.00% of mass 174	73.50 (97.46)
177	5.00 - 9.00% of mass 176	4.80 (6.53)

Data File: o61386.d

Date: 21-JUN-2012 18:14

Client ID:

Instrument: VOAMS12.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b/o61386.d
Spectrum: Avg. Scans 89-91 (2.22), Background Scan 85
Location of Maximum: 95.00
Number of points: 124

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	50	71.00	175	113.00	55	161.00	220
36.00	1138	72.00	699	114.00	73	167.00	77
37.00	6332	73.00	5341	116.00	498	168.00	67
38.00	5876	74.00	19592	117.00	652	171.00	297
39.00	2099	75.00	60712	118.00	508	172.00	253
40.00	114	76.00	5146	119.00	647	173.00	903
42.00	57	77.00	882	121.00	65	174.00	90328
43.00	116	78.00	595	124.00	61	175.00	7209
44.00	913	79.00	2600	127.00	67	176.00	88032
45.00	1134	80.00	824	128.00	345	177.00	5746
46.00	75	81.00	2441	129.00	415	178.00	94
47.00	1481	82.00	574	130.00	428	179.00	77
48.00	770	83.00	51	131.00	221	181.00	59
49.00	5536	85.00	71	133.00	96	186.00	63
50.00	25152	86.00	143	135.00	25	189.00	51
51.00	7255	87.00	5443	137.00	212	194.00	75
52.00	244	88.00	4981	140.00	273	208.00	79
53.00	97	89.00	110	141.00	1278	209.00	50
55.00	456	91.00	555	142.00	150	217.00	58
56.00	1903	92.00	3673	143.00	1346	229.00	60
57.00	3322	93.00	4825	145.00	84	242.00	59
58.00	94	94.00	14450	146.00	130	249.00	50
59.00	92	95.00	119768	148.00	267	255.00	54
60.00	1095	96.00	7281	149.00	198	274.00	53
61.00	5358	97.00	256	150.00	87	281.00	381
62.00	5467	101.00	52	153.00	76	285.00	54
63.00	4537	104.00	387	154.00	71	307.00	51
64.00	530	105.00	9	155.00	359	320.00	56
67.00	498	106.00	452	156.00	93		
68.00	12200	107.00	123	157.00	176		
69.00	13273	110.00	139	158.00	80		
70.00	1136	111.00	134	159.00	61		

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61628.d
 Report Date: 28-Jun-2012 04:33

TestAmerica

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61628.d
 Lab Smp Id: BFB
 Inj Date : 28-JUN-2012 04:15
 Operator : VOAMS 1
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/VOABFB.m
 Meth Date : 08-Sep-2011 08:03 desais
 Cal Date :
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2
 Inst ID: VOAMS12.i
 Quant Type: ISTD
 Cal File:
 QC Sample: BFB
 Compound Sublist: all.sub
 Sample Matrix: WATER

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	
2.229	2.100 (0.000)	95	67864			0.00- 100.00	100.00
2.229	2.100 (0.000)	50	14326			15.00- 40.00	21.11
2.229	2.100 (0.000)	75	33544			30.00- 60.00	49.43
2.229	2.100 (0.000)	96	4407			5.00- 9.00	6.49
2.229	2.100 (0.000)	173	734			0.00- 2.00	1.25
2.229	2.100 (0.000)	174	58936			50.00- 100.00	86.84
2.229	2.100 (0.000)	175	4510			5.00- 9.00	7.65
2.229	2.100 (0.000)	176	56720			95.00- 101.00	96.24
2.229	2.100 (0.000)	177	3738			5.00- 9.00	6.59

Data File: o61628.d

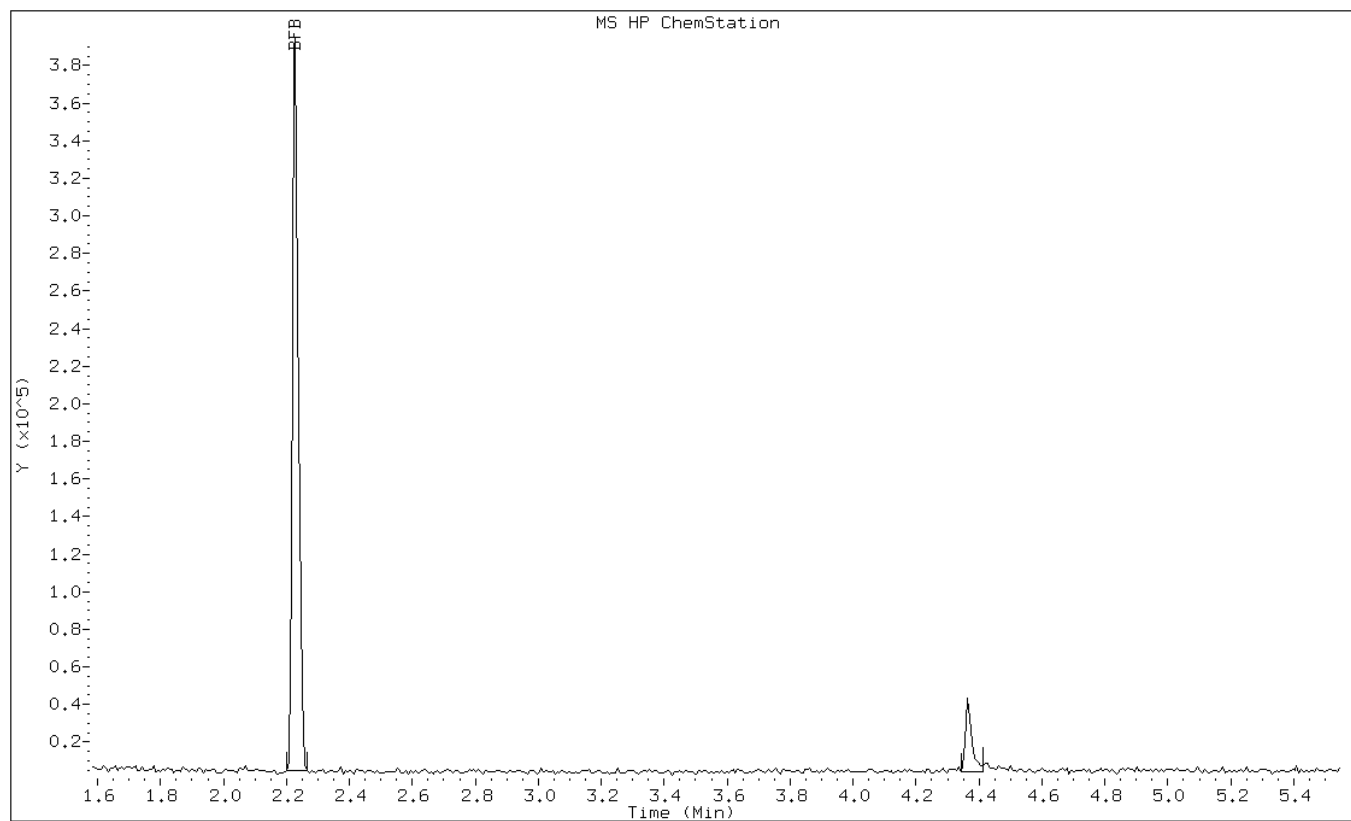
Date: 28-JUN-2012 04:15

Client ID:

Instrument: VOAMS12.i

Sample Info: BFB

Operator: VOAMS 1



Data File: o61628.d

Date: 28-JUN-2012 04:15

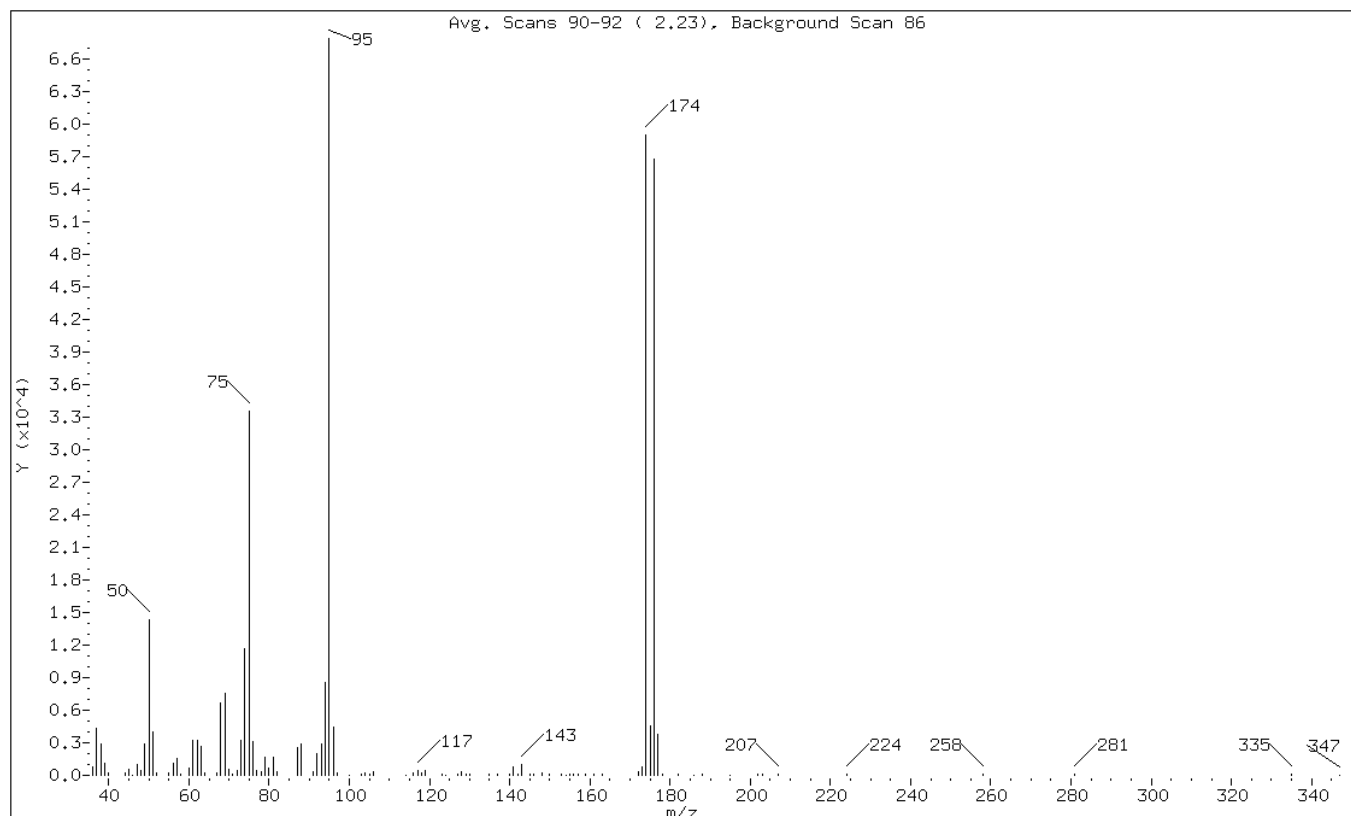
Client ID:

Instrument: VOAMS12.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	21.11
75	30.00 - 60.00% of mass 95	49.43
96	5.00 - 9.00% of mass 95	6.49
173	Less than 2.00% of mass 174	1.08 (1.25)
174	50.00 - 100.00% of mass 95	86.84
175	5.00 - 9.00% of mass 174	6.65 (7.65)
176	95.00 - 101.00% of mass 174	83.58 (96.24)
177	5.00 - 9.00% of mass 176	5.51 (6.59)

Data File: o61628.d

Date: 28-JUN-2012 04:15

Client ID:

Instrument: VOAMS12.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61628.d
Spectrum: Avg. Scans 90-92 (2.23), Background Scan 86
Location of Maximum: 95.00
Number of points: 101

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	728	70.00	519	106.00	289	157.00	161
37.00	4328	71.00	121	114.00	52	159.00	62
38.00	2928	72.00	395	116.00	271	161.00	81
39.00	1084	73.00	3260	117.00	497	163.00	66
40.00	253	74.00	11714	118.00	257	172.00	367
44.00	246	75.00	33544	119.00	399	173.00	734
45.00	581	76.00	3109	123.00	84	174.00	58936
46.00	52	77.00	392	124.00	54	175.00	4510
47.00	981	78.00	381	127.00	93	176.00	56720
48.00	487	79.00	1633	128.00	350	177.00	3738
49.00	2851	80.00	657	129.00	61	178.00	112
50.00	14326	81.00	1623	130.00	143	182.00	78
51.00	3982	82.00	327	135.00	133	186.00	51
52.00	232	87.00	2571	137.00	65	188.00	63
55.00	170	88.00	2901	140.00	138	195.00	55
56.00	1102	91.00	364	141.00	759	202.00	80
57.00	1566	92.00	2031	142.00	150	203.00	71
58.00	136	93.00	2850	143.00	1034	207.00	150
60.00	703	94.00	8582	145.00	72	224.00	79
61.00	3234	95.00	67864	146.00	160	258.00	73
62.00	3199	96.00	4407	148.00	221	281.00	69
63.00	2711	97.00	275	150.00	63	335.00	59
64.00	238	100.00	54	153.00	73	347.00	50
67.00	243	103.00	112	154.00	53		
68.00	6614	104.00	207	155.00	63		
69.00	7587	105.00	149	156.00	92		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-117776/5

Matrix: Solid Lab File ID: o61634.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 06/28/2012 07:27

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

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

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
75-34-3	1,1-Dichloroethane	0.11	U	1.0	0.11
107-06-2	1,2-Dichloroethane	0.18	U	1.0	0.18
71-55-6	1,1,1-Trichloroethane	0.13	U	1.0	0.13
78-93-3	2-Butanone	0.63	U	10	0.63
67-64-1	Acetone	1.7	U	10	1.7
71-43-2	Benzene	0.15	U	1.0	0.15
75-25-2	Bromoform	0.17	U	1.0	0.17
74-83-9	Bromomethane	0.43	U	1.0	0.43
591-78-6	2-Hexanone	0.13	U	10	0.13
75-15-0	Carbon disulfide	0.15	U	1.0	0.15
56-23-5	Carbon tetrachloride	0.15	U	1.0	0.15
108-90-7	Chlorobenzene	0.18	U	1.0	0.18
75-00-3	Chloroethane	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	13	U	50	13
67-66-3	Chloroform	0.24	U	1.0	0.24
74-87-3	Chloromethane	0.16	U	1.0	0.16
156-59-2	cis-1,2-Dichloroethene	0.11	U	1.0	0.11
108-10-1	4-Methyl-2-pentanone	0.20	U	10	0.20
110-82-7	Cyclohexane	0.13	U	1.0	0.13
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
95-50-1	1,2-Dichlorobenzene	0.10	U	1.0	0.10
541-73-1	1,3-Dichlorobenzene	0.16	U	1.0	0.16
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-46-7	1,4-Dichlorobenzene	0.11	U	1.0	0.11
76-13-1	Freon TF	0.11	U	1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.11	U	1.0	0.11
87-61-6	1,2,3-Trichlorobenzene	0.16	U	1.0	0.16
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
79-20-9	Methyl acetate	0.32	U	1.0	0.32
108-87-2	Methylcyclohexane	0.10	U	1.0	0.10
75-09-2	Methylene Chloride	0.477	J	1.0	0.15
96-12-8	1,2-Dibromo-3-Chloropropane	0.44	U	1.0	0.44
1634-04-4	MTBE	0.11	U	1.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	0.090	U	1.0	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-117776/5

Matrix: Solid Lab File ID: o61634.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 06/28/2012 07:27

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

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

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.14	U	1.0	0.14
100-42-5	Styrene	0.28	U	1.0	0.28
124-48-1	Dibromochloromethane	0.10	U	1.0	0.10
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
106-93-4	1,2-Dibromoethane	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.11	U	1.0	0.11
10061-02-6	trans-1,3-Dichloropropene	0.10	U	1.0	0.10
75-27-4	Bromodichloromethane	0.32	U	1.0	0.32
79-01-6	Trichloroethene	0.12	U	1.0	0.12
75-69-4	Trichlorofluoromethane	0.16	U	1.0	0.16
75-01-4	Vinyl chloride	0.34	U	1.0	0.34
1330-20-7	Xylenes, Total	0.67	U	3.0	0.67

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130
460-00-4	Bromofluorobenzene	98		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-117776/5
Matrix: Solid Lab File ID: o61634.d
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(mL) Date Analyzed: 06/28/2012 07:27
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 117776 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/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61634.d
 Report Date: 28-Jun-2012 08:07

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61634.d
 Lab Smp Id: MB
 Inj Date : 28-JUN-2012 07:27
 Operator : VOAMS 9
 Smp Info : MB
 Misc Info :
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 05:18 audberto Quant Type: ISTD
 Cal Date : 21-JUN-2012 23:37 Cal File: o61398.d
 Als bottle: 6 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE
 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	1.00000	Dilution Factor
Vt	5.00000	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)
6 Methylene Chloride		84	1.897	1.897	(0.512)	2399	0.47719	0.48(a)
\$ 16 1,2-Dichloroethane-d4 (SUR)		65	3.409	3.409	(0.921)	196883	49.9193	50
* 69 Fluorobenzene		96	3.702	3.702	(1.000)	797358	50.0000	
\$ 37 Toluene-d8 (SUR)		98	5.386	5.386	(0.741)	654554	47.7968	48
* 32 Chlorobenzene-d5		117	7.270	7.270	(1.000)	621766	50.0000	
\$ 41 Bromofluorobenzene (SUR)		174	9.075	9.075	(0.830)	242525	49.0724	49
* 91 1,4-Dichlorobenzene-d4		152	10.937	10.937	(1.000)	363507	50.0000	

QC Flag Legend

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

Data File: o61634.d

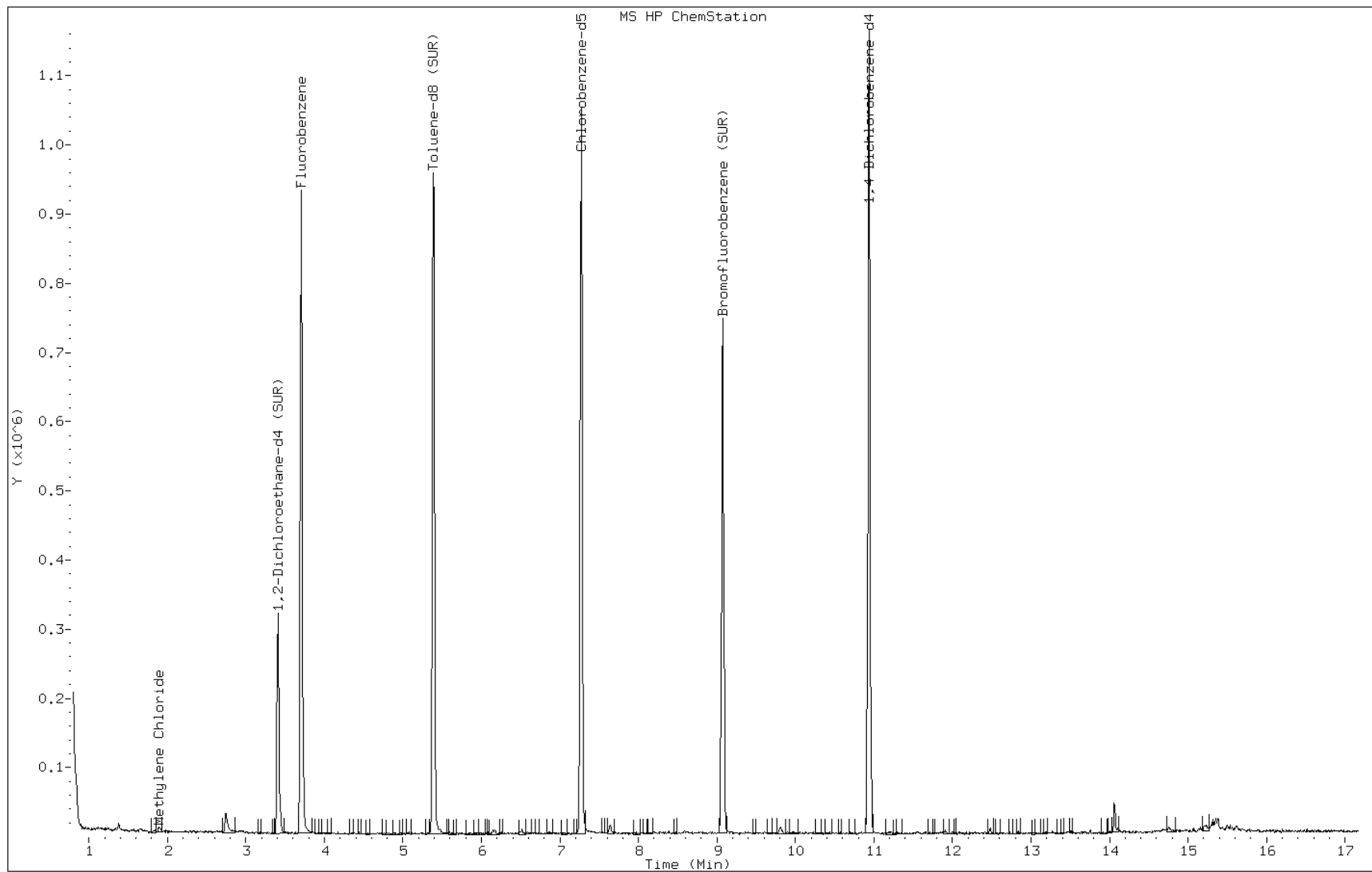
Date: 28-JUN-2012 07:27

Client ID:

Instrument: VOAMS12.i

Sample Info: MB

Operator: VOAMS 9



Data File: o61634.d

Date: 28-JUN-2012 07:27

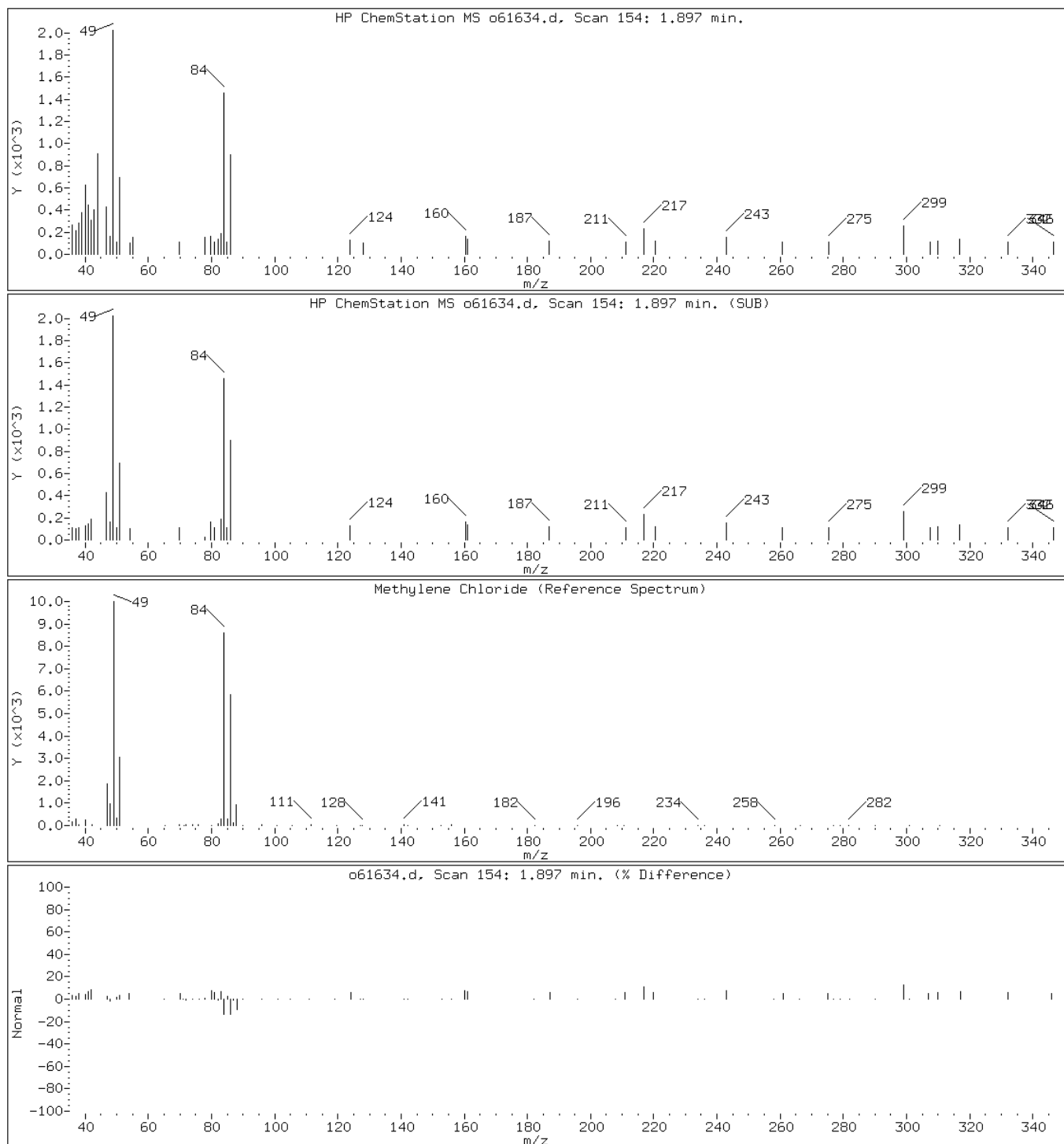
Client ID:

Instrument: VOAMS12.i

Sample Info: MB

Operator: VOAMS 9

6 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LB3 460-116894/1-A
 Matrix: Solid Lab File ID: o61633.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 06/28/2012 07:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
75-34-3	1,1-Dichloroethane	0.11	U	1.0	0.11
107-06-2	1,2-Dichloroethane	0.18	U	1.0	0.18
71-55-6	1,1,1-Trichloroethane	0.13	U	1.0	0.13
78-93-3	2-Butanone	0.63	U	10	0.63
67-64-1	Acetone	2.96	J	10	1.7
71-43-2	Benzene	0.15	U	1.0	0.15
75-25-2	Bromoform	0.17	U	1.0	0.17
74-83-9	Bromomethane	0.43	U	1.0	0.43
591-78-6	2-Hexanone	0.13	U	10	0.13
75-15-0	Carbon disulfide	0.15	U	1.0	0.15
56-23-5	Carbon tetrachloride	0.15	U	1.0	0.15
108-90-7	Chlorobenzene	0.18	U	1.0	0.18
75-00-3	Chloroethane	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	13	U	50	13
67-66-3	Chloroform	0.24	U	1.0	0.24
74-87-3	Chloromethane	0.16	U	1.0	0.16
156-59-2	cis-1,2-Dichloroethene	0.11	U	1.0	0.11
108-10-1	4-Methyl-2-pentanone	0.20	U	10	0.20
110-82-7	Cyclohexane	0.13	U	1.0	0.13
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14
95-50-1	1,2-Dichlorobenzene	0.10	U	1.0	0.10
541-73-1	1,3-Dichlorobenzene	0.16	U	1.0	0.16
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
106-46-7	1,4-Dichlorobenzene	0.11	U	1.0	0.11
76-13-1	Freon TF	0.11	U	1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.11	U	1.0	0.11
87-61-6	1,2,3-Trichlorobenzene	0.16	U	1.0	0.16
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
79-20-9	Methyl acetate	0.32	U	1.0	0.32
108-87-2	Methylcyclohexane	0.10	U	1.0	0.10
75-09-2	Methylene Chloride	7.86		1.0	0.15
96-12-8	1,2-Dibromo-3-Chloropropane	0.44	U	1.0	0.44
1634-04-4	MTBE	0.11	U	1.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	0.090	U	1.0	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LB3 460-116894/1-A
 Matrix: Solid Lab File ID: o61633.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 06/28/2012 07:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.14	U	1.0	0.14
100-42-5	Styrene	0.28	U	1.0	0.28
124-48-1	Dibromochloromethane	0.10	U	1.0	0.10
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
106-93-4	1,2-Dibromoethane	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
74-97-5	Bromochloromethane	0.11	U	1.0	0.11
10061-02-6	trans-1,3-Dichloropropene	0.10	U	1.0	0.10
75-27-4	Bromodichloromethane	0.32	U	1.0	0.32
79-01-6	Trichloroethene	0.12	U	1.0	0.12
75-69-4	Trichlorofluoromethane	0.16	U	1.0	0.16
75-01-4	Vinyl chloride	0.34	U	1.0	0.34
1330-20-7	Xylenes, Total	0.67	U	3.0	0.67

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		70-130
2037-26-5	Toluene-d8 (Surr)	81		70-130
460-00-4	Bromofluorobenzene	81		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LB3 460-116894/1-A
Matrix: Solid Lab File ID: o61633.d
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(g) Date Analyzed: 06/28/2012 07:02
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 117776 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/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61633.d
 Report Date: 28-Jun-2012 15:41

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61633.d
 Lab Smp Id: LB3 460-116894/1-A
 Inj Date : 28-JUN-2012 07:02
 Operator : VOAMS 9
 Smp Info : LB3 460-116894/1-A
 Misc Info :
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 15:38 maryb
 Cal Date : 21-JUN-2012 23:37
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS12.i

Quant Type: ISTD

Cal File: o61398.d

Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	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	FINAL
							(ug/L)	(ug/Kg)
=====	=====	=====	=====	=====	=====	=====	=====	=====
7 Acetone		43	1.647	1.654	(0.445)	4106	2.96141	3.0(a)
6 Methylene Chloride		84	1.897	1.897	(0.512)	40157	7.85583	7.8
\$ 16 1,2-Dichloroethane-d4 (SUR)		65	3.409	3.409	(0.921)	177411	44.2399	44
* 69 Fluorobenzene		96	3.702	3.702	(1.000)	810736	50.0000	
\$ 37 Toluene-d8 (SUR)		98	5.386	5.386	(0.741)	567573	40.3150	40
* 32 Chlorobenzene-d5		117	7.270	7.270	(1.000)	639198	50.0000	
\$ 41 Bromofluorobenzene (SUR)		174	9.075	9.075	(0.830)	207544	40.5194	40
* 91 1,4-Dichlorobenzene-d4		152	10.937	10.937	(1.000)	376739	50.0000	

QC Flag Legend

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

Data File: o61633.d

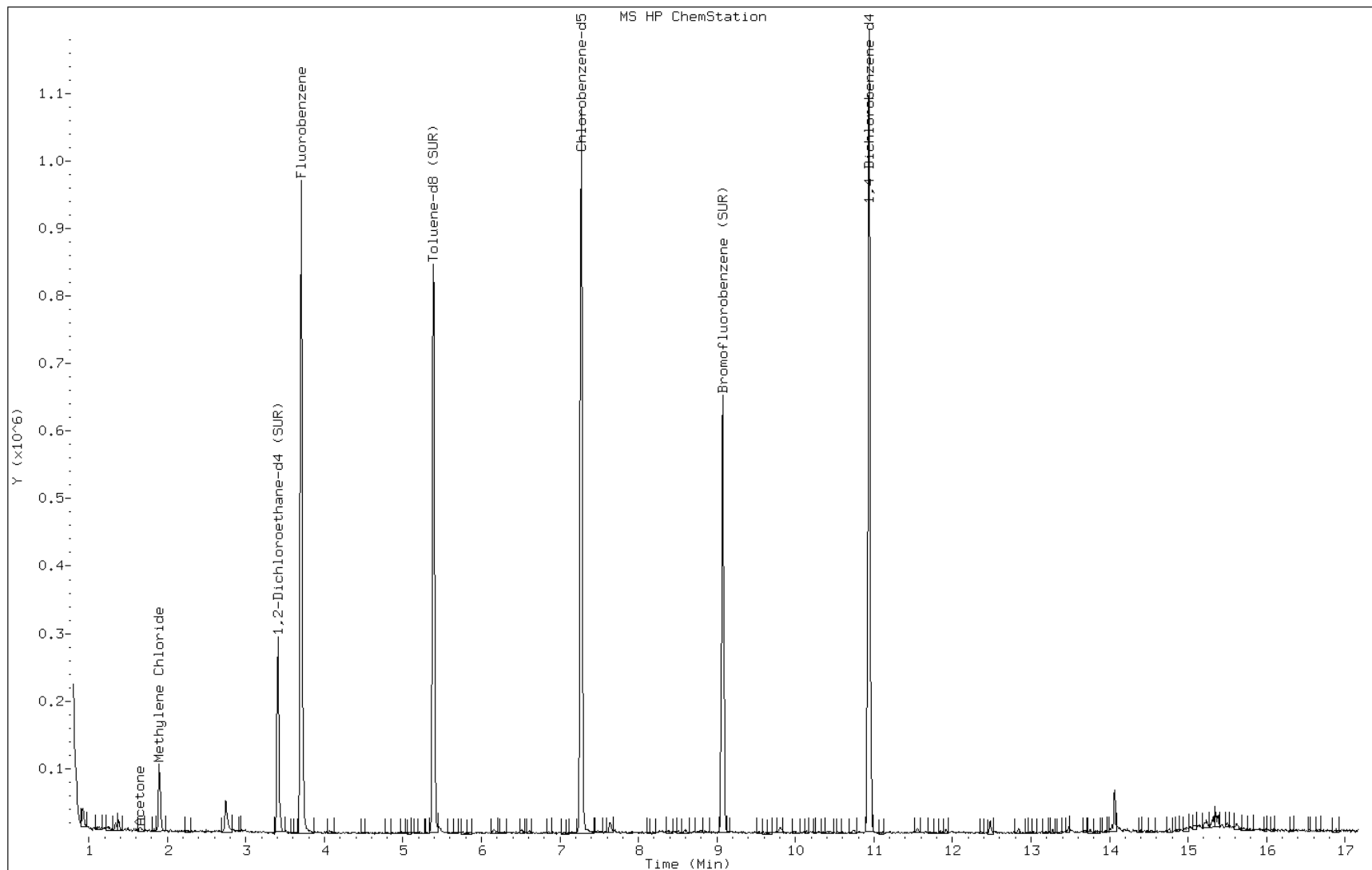
Date: 28-JUN-2012 07:02

Client ID:

Instrument: VOAMS12.i

Sample Info: LB3 460-116894/1-A

Operator: VOAMS 9



Data File: o61633.d

Date: 28-JUN-2012 07:02

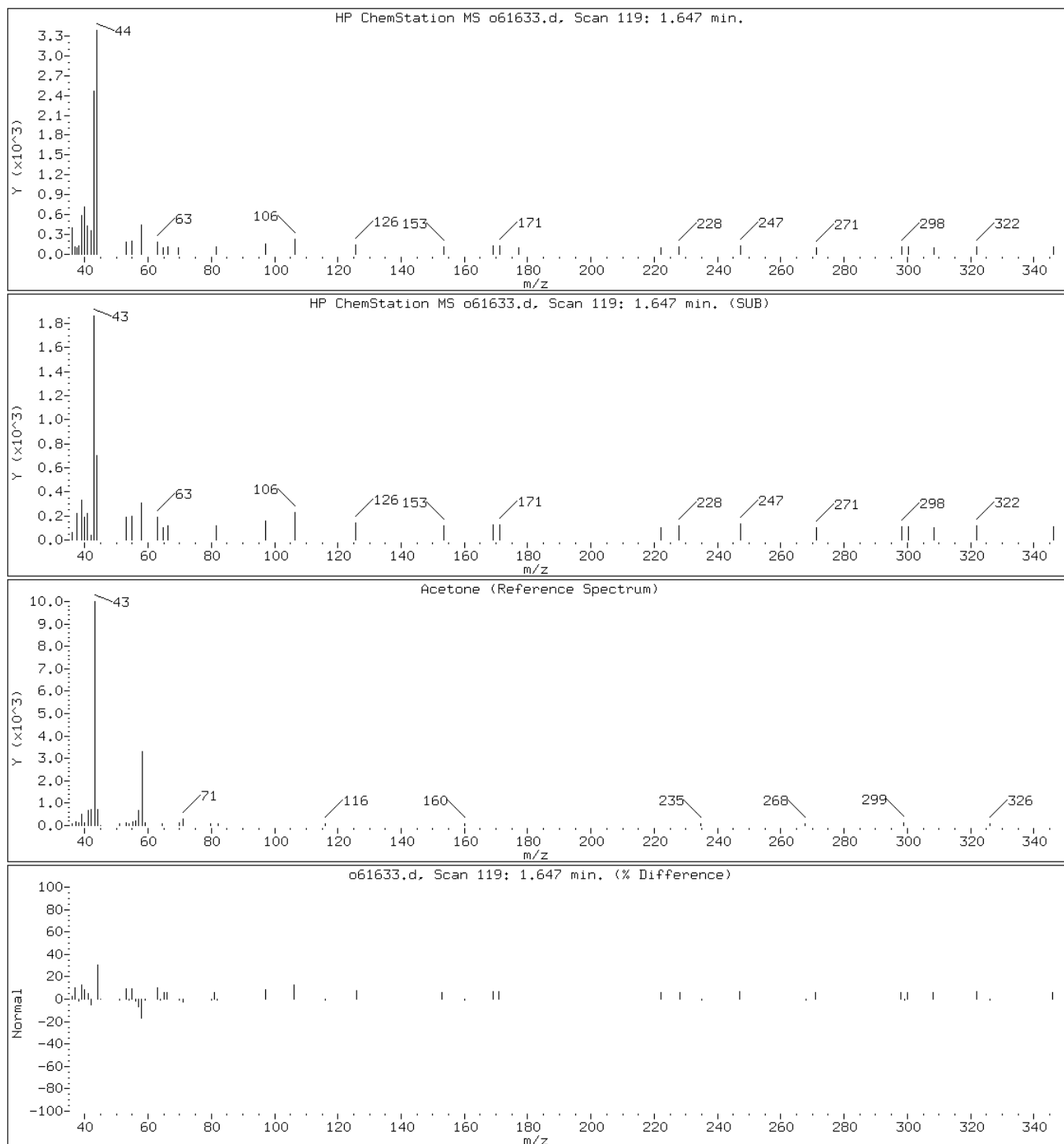
Client ID:

Instrument: VOAMS12.i

Sample Info: LB3 460-116894/1-A

Operator: VOAMS 9

7 Acetone



Data File: o61633.d

Date: 28-JUN-2012 07:02

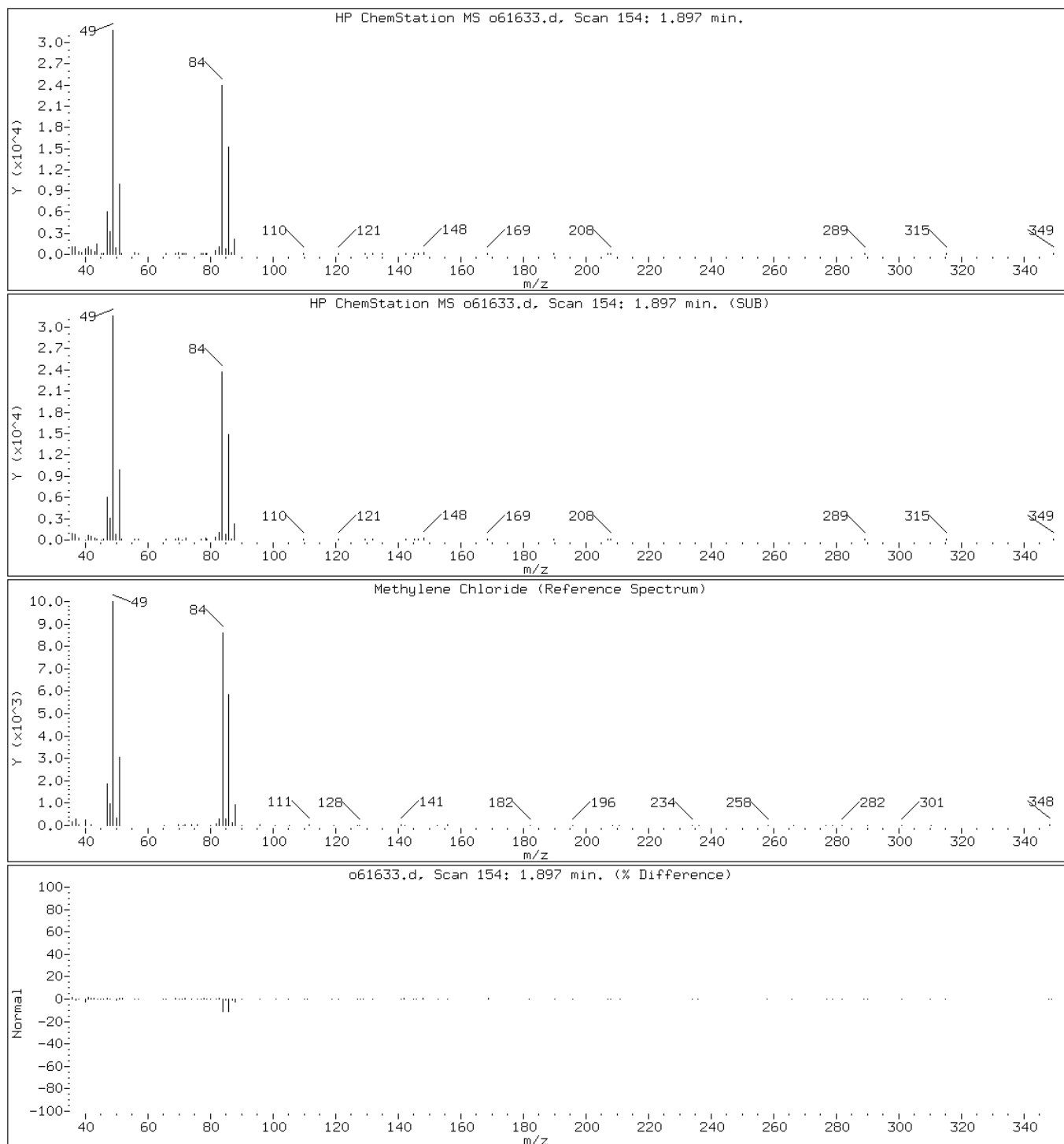
Client ID:

Instrument: VOAMS12.i

Sample Info: LB3 460-116894/1-A

Operator: VOAMS 9

6 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-117776/3

Matrix: Solid Lab File ID: o61630.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 06/28/2012 05:11

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

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

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	19.4		1.0	0.19
75-34-3	1,1-Dichloroethane	18.9		1.0	0.11
107-06-2	1,2-Dichloroethane	18.4		1.0	0.18
71-55-6	1,1,1-Trichloroethane	20.2		1.0	0.13
78-93-3	2-Butanone	20.4		10	0.63
67-64-1	Acetone	21.1		10	1.7
71-43-2	Benzene	20.2		1.0	0.15
75-25-2	Bromoform	17.2		1.0	0.17
74-83-9	Bromomethane	19.6		1.0	0.43
591-78-6	2-Hexanone	18.8		10	0.13
75-15-0	Carbon disulfide	19.0		1.0	0.15
56-23-5	Carbon tetrachloride	20.5		1.0	0.15
108-90-7	Chlorobenzene	19.2		1.0	0.18
75-00-3	Chloroethane	20.6		1.0	0.33
123-91-1	1,4-Dioxane	145		50	13
67-66-3	Chloroform	19.8		1.0	0.24
74-87-3	Chloromethane	25.1		1.0	0.16
156-59-2	cis-1,2-Dichloroethene	19.7		1.0	0.11
108-10-1	4-Methyl-2-pentanone	19.7		10	0.20
110-82-7	Cyclohexane	20.1		1.0	0.13
10061-01-5	cis-1,3-Dichloropropene	20.4		1.0	0.14
95-50-1	1,2-Dichlorobenzene	18.9		1.0	0.10
541-73-1	1,3-Dichlorobenzene	19.3		1.0	0.16
100-41-4	Ethylbenzene	20.1		1.0	0.17
106-46-7	1,4-Dichlorobenzene	18.7		1.0	0.11
76-13-1	Freon TF	20.2		1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	19.8		1.0	0.19
98-82-8	Isopropylbenzene	19.9		1.0	0.11
87-61-6	1,2,3-Trichlorobenzene	18.8		1.0	0.16
78-87-5	1,2-Dichloropropane	19.8		1.0	0.15
79-20-9	Methyl acetate	21.7		1.0	0.32
108-87-2	Methylcyclohexane	21.1		1.0	0.10
75-09-2	Methylene Chloride	22.2		1.0	0.15
96-12-8	1,2-Dibromo-3-Chloropropane	15.8		1.0	0.44
1634-04-4	MTBE	19.8		1.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	18.4		1.0	0.090

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-117776/3
 Matrix: Solid Lab File ID: o61630.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 06/28/2012 05:11
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	18.8		1.0	0.14
100-42-5	Styrene	19.0		1.0	0.28
124-48-1	Dibromochloromethane	16.9		1.0	0.10
127-18-4	Tetrachloroethene	20.7		1.0	0.12
106-93-4	1,2-Dibromoethane	19.4		1.0	0.15
108-88-3	Toluene	19.3		1.0	0.14
75-71-8	Dichlorodifluoromethane	21.5		1.0	0.22
156-60-5	trans-1,2-Dichloroethene	19.8		1.0	0.13
74-97-5	Bromochloromethane	21.9		1.0	0.11
10061-02-6	trans-1,3-Dichloropropene	16.4		1.0	0.10
75-27-4	Bromodichloromethane	20.5		1.0	0.32
79-01-6	Trichloroethene	20.8		1.0	0.12
75-69-4	Trichlorofluoromethane	20.4		1.0	0.16
75-01-4	Vinyl chloride	21.6		1.0	0.34
1330-20-7	Xylenes, Total	58.0		3.0	0.67

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
460-00-4	Bromofluorobenzene	105		70-130

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61630.d
 Report Date: 28-Jun-2012 15:36

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61630.d
 Lab Smp Id: LCS
 Inj Date : 28-JUN-2012 05:11
 Operator : VOAMS 9
 Smp Info : LCS
 Misc Info :
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 15:36 maryb
 Cal Date : 21-JUN-2012 23:37
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS12.i

Quant Type: ISTD

Cal File: o61398.d

QC Sample: METHSPIKE

Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	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	FINAL
							(ug/L)	(ug/Kg)
=====	=====	=====	=====	=====	=====	=====	=====	=====
M 14 1,2-Dichloroethene (total)	100					300903	39.4764	39
90 Dichlorodifluoromethane	85		0.866	0.866	(0.234)	202254	21.4521	21
1 Chloromethane	50		0.980	0.988	(0.265)	233664	25.1167	25
4 Vinyl Chloride	62		1.009	1.009	(0.272)	222121	21.6073	22
3 Bromomethane	94		1.166	1.167	(0.315)	107352	19.6409	20
5 Chloroethane	64		1.217	1.217	(0.329)	118328	20.6049	21
9 Trichlorofluoromethane	101		1.338	1.339	(0.362)	295574	20.4035	20
127 Ethanol	46		1.453	1.489	(0.392)	108603	2742.55	2700
46 Ethyl Ether	59		1.496	1.496	(0.404)	108469	19.7085	20
119 Isoprene	67		1.503	1.503	(0.406)	203175	20.2620	20
47 Acrolein	56		1.568	1.568	(0.423)	254427	274.484	270
10 1,1-Dichloroethene	96		1.611	1.611	(0.435)	117956	19.3831	19
48 Freon TF	101		1.618	1.618	(0.437)	146322	20.2472	20
7 Acetone	43		1.654	1.654	(0.447)	35870	21.0916	21

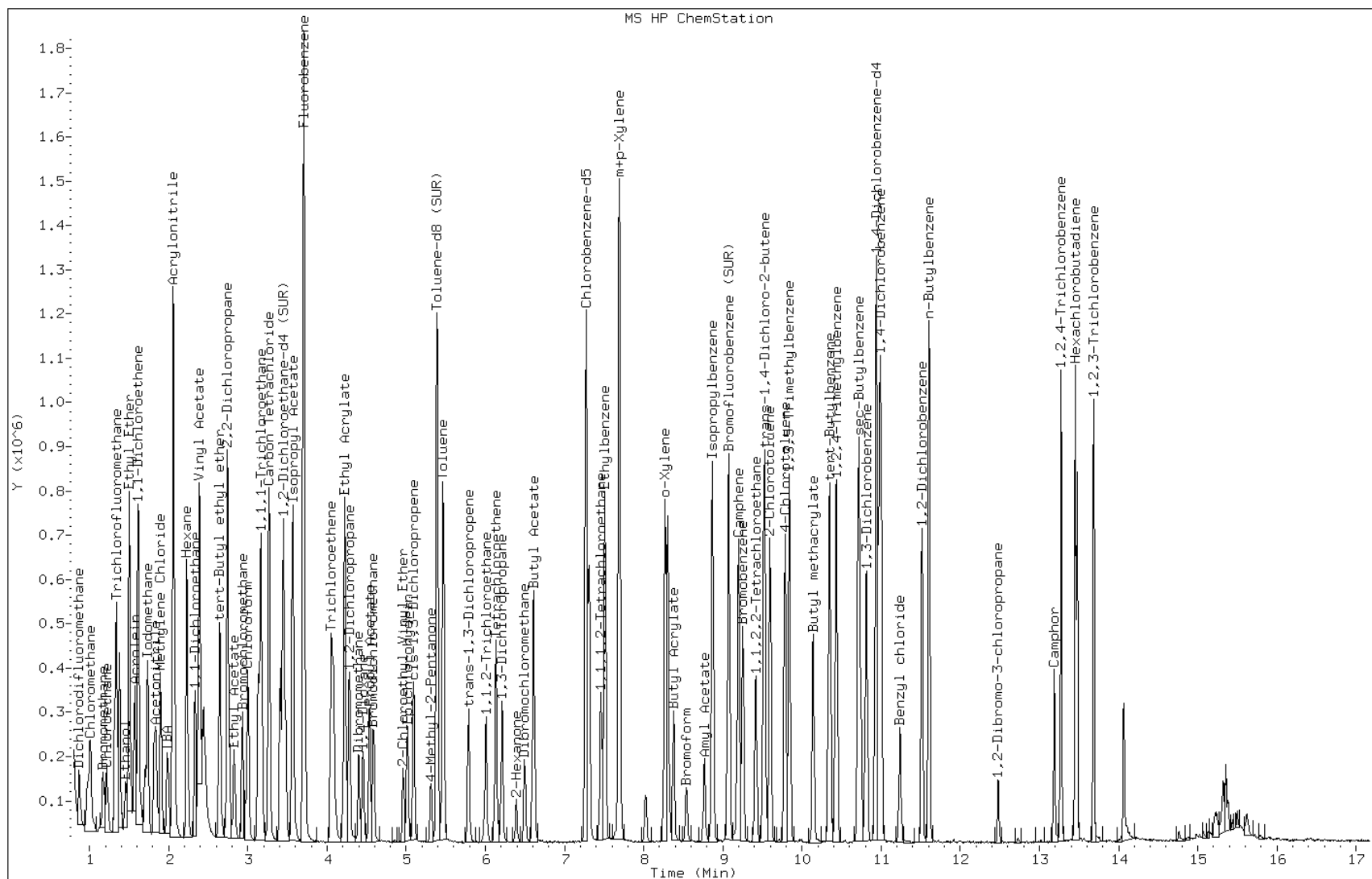
Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61630.d
 Report Date: 28-Jun-2012 15:36

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
142 Iodomethane	142	1.704	1.704	(0.460)	185331	21.6140	22
8 Carbon Disulfide	76	1.732	1.732	(0.468)	411305	19.0417	19
50 Acetonitrile	41	1.818	1.818	(0.491)	358620	455.679	460
125 Methyl acetate	74	1.840	1.840	(0.497)	22222	21.6541	22
6 Methylene Chloride	84	1.897	1.897	(0.512)	139200	22.2002	22
51 TBA	59	1.983	1.983	(0.536)	246326	354.141	350
52 Acrylonitrile	53	2.055	2.055	(0.555)	346544	143.078	140
12 trans-1,2-Dichloroethene	96	2.055	2.055	(0.555)	141634	19.7830	20
53 MTBE	73	2.062	2.062	(0.557)	346331	19.8077	20
54 Hexane	56	2.227	2.227	(0.601)	134406	20.7767	21
11 1,1-Dichloroethane	63	2.334	2.334	(0.630)	272517	18.8696	19
57 Vinyl Acetate	43	2.384	2.377	(0.644)	430043	19.5634	20
55 DIPE	45	2.384	2.384	(0.644)	471022	20.3250	20
149 tert-Butyl ethyl ether	59	2.642	2.642	(0.714)	402435	20.6661	21
157 Dichlorofluoromethane	67	1.317	1.317	(0.356)	310623	20.0030	20
104 2,2-Dichloropropane	77	2.742	2.742	(0.741)	240539	19.1851	19
13 cis-1,2-Dichloroethene	96	2.749	2.742	(0.743)	159268	19.6934	20
18 2-Butanone	72	2.778	2.771	(0.750)	14352	20.4052	20
56 Ethyl Acetate	70	2.828	2.828	(0.764)	18997	36.7666	37
108 Bromochloromethane	128	2.929	2.929	(0.791)	63689	21.8650	22
15 Chloroform	83	3.000	3.000	(0.810)	261373	19.7653	20
20 1,1,1-Trichloroethane	97	3.129	3.129	(0.845)	230976	20.2334	20
59 Cyclohexane	56	3.165	3.165	(0.855)	301877	20.0689	20
21 Carbon Tetrachloride	117	3.265	3.265	(0.882)	180580	20.4588	20
92 1,1-Dichloropropene	75	3.265	3.265	(0.882)	221612	20.3576	20
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.408	3.409	(0.921)	235946	47.9660	48
28 Benzene	78	3.444	3.444	(0.930)	565520	20.1889	20
17 1,2-Dichloroethane	62	3.473	3.473	(0.938)	168504	18.3693	18
61 Isopropyl Acetate	43	3.566	3.566	(0.963)	509043	41.2721	41
140 tert-Amylmethyl Ether	73	3.566	3.566	(0.963)	310722	20.7228	21
* 69 Fluorobenzene	96	3.702	3.702	(1.000)	994473	50.0000	
25 Trichloroethene	95	4.053	4.053	(1.095)	142901	20.8173	21
63 n-Butanol	43	4.082	4.075	(1.103)	143359	1414.67	1400
96 Ethyl Acrylate	85	4.225	4.211	(1.141)	5971	20.2929	20
126 Methyl cyclohexane	83	4.225	4.225	(1.141)	275585	21.1270	21
23 1,2-Dichloropropane	63	4.282	4.283	(1.157)	138926	19.7660	20
109 Dibromomethane	93	4.397	4.397	(1.188)	71331	19.2841	19
95 1,4-Dioxane	88	4.447	4.454	(1.201)	11383	145.165	140
146 Methyl methacrylate	69	4.454	4.454	(1.203)	71366	20.5542	20
64 Propyl Acetate	43	4.533	4.533	(1.224)	309750	41.4289	41
22 Bromodichloromethane	83	4.590	4.591	(1.240)	170710	20.5403	20
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.341)	70652	22.3566	22
118 Epichlorohydrin	57	5.013	5.013	(1.354)	234024	383.246	380
24 cis-1,3-Dichloropropene	75	5.092	5.092	(1.375)	197124	20.3872	20
33 4-Methyl-2-Pentanone	43	5.314	5.314	(1.435)	100731	19.7281	20
\$ 37 Toluene-d8 (SUR)	98	5.385	5.386	(0.741)	806034	50.6846	51
38 Toluene	91	5.464	5.464	(0.752)	607101	19.2664	19

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61630.d
 Report Date: 28-Jun-2012 15:36

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
29 trans-1,3-Dichloropropene	75	5.787	5.787	(0.796)	161653	16.3544	16
27 1,1,2-Trichloroethane	83	6.009	6.009	(0.827)	82179	18.7897	19
35 Tetrachloroethene	166	6.130	6.131	(0.843)	149927	20.6605	21
103 1,3-Dichloropropane	76	6.209	6.209	(0.854)	178976	18.4158	18
34 2-Hexanone	43	6.388	6.388	(0.879)	75569	18.8473	19
26 Dibromochloromethane	129	6.496	6.496	(0.894)	102098	16.8518	17
65 Butyl Acetate	43	6.610	6.603	(0.909)	364334	38.7087	39
66 1,2-Dibromoethane	107	6.610	6.611	(0.909)	96018	19.3922	19
* 32 Chlorobenzene-d5	117	7.269	7.270	(1.000)	722034	50.0000	
39 Chlorobenzene	112	7.312	7.312	(1.006)	359929	19.1809	19
97 1,1,1,2-Tetrachloroethane	131	7.463	7.463	(1.027)	108703	17.6458	18
40 Ethylbenzene	106	7.513	7.513	(1.034)	207616	20.0643	20
43 m+p-Xylene	106	7.692	7.692	(1.058)	510229	38.4776	38
44 o-Xylene	106	8.272	8.272	(1.138)	245314	19.4973	19
42 Styrene	104	8.308	8.301	(1.143)	408629	18.9707	19
147 Butyl Acrylate	55	8.380	8.380	(0.766)	224265	18.6963	19
31 Bromoform	173	8.537	8.537	(1.174)	56836	17.2145	17
145 Amyl Acetate	43	8.766	8.767	(1.206)	133129	19.5642	20
110 Isopropylbenzene	105	8.867	8.867	(1.220)	696249	19.8616	20
\$ 41 Bromofluorobenzene (SUR)	174	9.074	9.075	(0.830)	282719	52.4718	52
150 Camphene	41	9.196	9.196	(0.841)	74404	17.9363	18
107 Bromobenzene	156	9.254	9.254	(0.846)	150831	19.0452	19
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411	(0.860)	126951	18.3844	18
99 1,2,3-Trichloropropane	110	9.425	9.418	(0.862)	35921	17.9774	18
143 trans-1,4-Dichloro-2-butene	53	9.504	9.504	(2.567)	37470	19.2096	19
112 n-Propylbenzene	91	9.526	9.526	(0.871)	855307	19.2184	19
105 2-Chlorotoluene	91	9.597	9.598	(0.878)	467949	18.6050	19
106 4-Chlorotoluene	91	9.784	9.784	(0.895)	483898	18.3650	18
102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	558216	18.6502	19
148 Butyl methacrylate	69	10.142	10.142	(0.927)	199440	19.1859	19
115 tert-Butylbenzene	119	10.349	10.350	(0.946)	509799	18.9529	19
100 1,2,4-Trimethylbenzene	105	10.435	10.436	(0.954)	562829	18.6101	19
114 sec-Butylbenzene	105	10.715	10.715	(0.980)	792182	19.0244	19
67 1,3-Dichlorobenzene	146	10.815	10.815	(0.989)	313194	19.2616	19
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	396298	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)	306521	18.6989	19
113 p-Isopropyltoluene	119	10.994	10.994	(1.005)	658130	19.2817	19
69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)	285871	18.8705	19
117 Benzyl chloride	91	11.238	11.238	(1.028)	201350	14.7698	15
111 n-Butylbenzene	91	11.603	11.603	(1.061)	659198	18.9966	19
101 1,2-Dibromo-3-chloropropane	75	12.477	12.477	(1.141)	22693	15.8496	16
152 Camphor	95	13.186	13.186	(1.206)	77110	94.5091	94
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)	241849	19.7788	20
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)	151442	20.3845	20
70 Naphthalene	128	13.480	13.480	(1.232)	483273	18.2435	18
98 1,2,3-Trichlorobenzene	180	13.687	13.688	(1.251)	213137	18.7947	19
M 45 Xylene (Total)	100				755544	57.9659	58

Operator: VOAMS 9



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: F-12 MS Lab Sample ID: 460-41546-21 MS

Matrix: Solid Lab File ID: o61640.d

Analysis Method: 8260B Date Collected: 06/20/2012 15:10

Sample wt/vol: 4.22(g) Date Analyzed: 06/28/2012 09:56

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 7.3 Level: (low/med) Low

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.6		1.3	0.17
79-34-5	1,1,2,2-Tetrachloroethane	22.0		1.3	0.11
79-00-5	1,1,2-Trichloroethane	22.5		1.3	0.18
75-34-3	1,1-Dichloroethane	27.0		1.3	0.14
75-35-4	1,1-Dichloroethene	28.0		1.3	0.24
87-61-6	1,2,3-Trichlorobenzene	20.5		1.3	0.20
120-82-1	1,2,4-Trichlorobenzene	21.7		1.3	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1.3	0.56
106-93-4	1,2-Dibromoethane	23.1		1.3	0.19
95-50-1	1,2-Dichlorobenzene	22.9		1.3	0.13
107-06-2	1,2-Dichloroethane	25.5		1.3	0.23
78-87-5	1,2-Dichloropropane	25.9		1.3	0.19
541-73-1	1,3-Dichlorobenzene	22.9		1.3	0.20
106-46-7	1,4-Dichlorobenzene	22.8		1.3	0.14
123-91-1	1,4-Dioxane	183		64	16
78-93-3	2-Butanone	18.5		13	0.80
591-78-6	2-Hexanone	18.1		13	0.17
108-10-1	4-Methyl-2-pentanone	21.2		13	0.26
67-64-1	Acetone	29.9		13	2.2
71-43-2	Benzene	26.3		1.3	0.19
74-97-5	Bromochloromethane	31.4		1.3	0.14
75-27-4	Bromodichloromethane	27.5		1.3	0.41
75-25-2	Bromoform	21.0		1.3	0.22
74-83-9	Bromomethane	25.2		1.3	0.55
75-15-0	Carbon disulfide	24.3		1.3	0.19
56-23-5	Carbon tetrachloride	27.6		1.3	0.19
108-90-7	Chlorobenzene	24.6		1.3	0.23
75-00-3	Chloroethane	24.8		1.3	0.42
67-66-3	Chloroform	27.2		1.3	0.31
74-87-3	Chloromethane	27.2		1.3	0.20
156-59-2	cis-1,2-Dichloroethene	27.3		1.3	0.14
10061-01-5	cis-1,3-Dichloropropene	25.4		1.3	0.18
110-82-7	Cyclohexane	25.8		1.3	0.17
124-48-1	Dibromochloromethane	20.8		1.3	0.13
75-71-8	Dichlorodifluoromethane	19.6		1.3	0.28
100-41-4	Ethylbenzene	25.5		1.3	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: F-12 MS Lab Sample ID: 460-41546-21 MS

Matrix: Solid Lab File ID: o61640.d

Analysis Method: 8260B Date Collected: 06/20/2012 15:10

Sample wt/vol: 4.22(g) Date Analyzed: 06/28/2012 09:56

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 7.3 Level: (low/med) Low

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	28.3		1.3	0.14
98-82-8	Isopropylbenzene	24.5		1.3	0.14
79-20-9	Methyl acetate	47.4		1.3	0.41
108-87-2	Methylcyclohexane	23.4		1.3	0.13
75-09-2	Methylene Chloride	34.3		1.3	0.19
1634-04-4	MTBE	23.3		1.3	0.14
100-42-5	Styrene	23.3		1.3	0.36
127-18-4	Tetrachloroethene	26.5		1.3	0.15
108-88-3	Toluene	24.2		1.3	0.18
156-60-5	trans-1,2-Dichloroethene	26.8		1.3	0.17
10061-02-6	trans-1,3-Dichloropropene	18.8		1.3	0.13
79-01-6	Trichloroethene	27.2		1.3	0.15
75-69-4	Trichlorofluoromethane	23.8		1.3	0.20
75-01-4	Vinyl chloride	23.8		1.3	0.43
1330-20-7	Xylenes, Total	71.7		3.8	0.86

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-130
2037-26-5	Toluene-d8 (Surr)	97		70-130
460-00-4	Bromofluorobenzene	100		70-130

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61640.d
 Report Date: 28-Jun-2012 18:58

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61640.d
 Lab Smp Id: 460-41546-B-21-BMS Client Smp ID: F-12
 Inj Date : 28-JUN-2012 09:56
 Operator : VOAMS 9 Inst ID: VOAMS12.i
 Smp Info : 460-41546-B-21-BMS;;;4.22;5
 Misc Info : 460-41546-B-21-BMS
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 15:38 maryb Quant Type: ISTD
 Cal Date : 21-JUN-2012 23:37 Cal File: o61398.d
 Als bottle: 12 QC Sample: MS
 Dil Factor: 1.00000
 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	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.22000	Weight of sample extracted (g)
M	7.27969	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/Kg)
=====	=====	=====	=====	=====	=====	=====	=====	=====
M 14 1,2-Dichloroethene (total)	100					290465	42.2897	54
90 Dichlorodifluoromethane	85		0.866	0.866	(0.233)	130453	15.3662	20
1 Chloromethane	50		0.973	0.988	(0.262)	178141	21.2655	27
4 Vinyl Chloride	62		1.009	1.009	(0.272)	172307	18.6146	24
3 Bromomethane	94		1.166	1.167	(0.314)	97053	19.7196	25
5 Chloroethane	64		1.217	1.217	(0.328)	100474	19.4302	25
9 Trichlorofluoromethane	101		1.338	1.339	(0.361)	242589	18.5974	24
127 Ethanol	46		1.453	1.453	(0.392)	90882	2548.79	3200
46 Ethyl Ether	59		1.496	1.496	(0.403)	105079	21.2034	27
119 Isoprene	67		1.503	1.503	(0.405)	208385	23.0790	29
47 Acrolein	56		1.567	1.568	(0.423)	137280	164.476	210
10 1,1-Dichloroethene	96		1.610	1.611	(0.434)	119958	21.8914	28
48 Freon TF	101		1.618	1.618	(0.436)	143907	22.1146	28
7 Acetone	43		1.653	1.654	(0.446)	35785	23.3674	30

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61640.d
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Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
142 Iodomethane	142	1.704	1.704	(0.459)	175253	22.6984	29
8 Carbon Disulfide	76	1.732	1.732	(0.467)	369757	19.0107	24
50 Acetonitrile	41	1.818	1.818	(0.490)	307736	434.253	550
125 Methyl acetate	74	1.840	1.840	(0.496)	34292	37.1100	47(R)
6 Methylene Chloride	84	1.897	1.897	(0.511)	151780	26.8828	34
51 TBA	59	1.983	1.983	(0.535)	200286	319.783	410
52 Acrylonitrile	53	2.055	2.055	(0.554)	275500	126.321	160
12 trans-1,2-Dichloroethene	96	2.055	2.055	(0.554)	135028	20.9453	27
53 MTBE	73	2.062	2.062	(0.556)	287679	18.2722	23
54 Hexane	56	2.227	2.227	(0.600)	91586	15.7227	20
11 1,1-Dichloroethane	63	2.334	2.334	(0.629)	274942	21.1423	27
57 Vinyl Acetate	43	2.384	2.377	(0.643)	260463	13.1589	17
55 DIPE	45	2.384	2.384	(0.643)	411280	19.7091	25
149 tert-Butyl ethyl ether	59	2.642	2.642	(0.712)	336710	19.2025	24
157 Dichlorofluoromethane	67	1.317	1.317	(0.355)	258836	18.5108	24
104 2,2-Dichloropropane	77	2.742	2.742	(0.739)	217900	19.3009	25
13 cis-1,2-Dichloroethene	96	2.742	2.742	(0.739)	155436	21.3444	27
18 2-Butanone	72	2.771	2.771	(0.747)	9147	14.4424	18(R)
56 Ethyl Acetate	70	2.828	2.828	(0.762)	11692	25.1307	32(R)
108 Bromochloromethane	128	2.928	2.929	(0.790)	64374	24.5436	31
15 Chloroform	83	3.000	3.000	(0.809)	253299	21.2723	27
20 1,1,1-Trichloroethane	97	3.129	3.129	(0.844)	221753	21.5731	28
59 Cyclohexane	56	3.165	3.165	(0.853)	273910	20.2229	26
21 Carbon Tetrachloride	117	3.265	3.265	(0.880)	171732	21.6074	28
92 1,1-Dichloropropene	75	3.265	3.265	(0.880)	181976	18.5647	24
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.408	3.409	(0.919)	220525	49.7874	64
28 Benzene	78	3.444	3.444	(0.929)	520109	20.6205	26
17 1,2-Dichloroethane	62	3.473	3.473	(0.936)	164913	19.9654	26
61 Isopropyl Acetate	43	3.566	3.566	(0.961)	337467	30.3860	39
140 tert-Amylmethyl Ether	73	3.566	3.566	(0.961)	258703	19.1610	24
* 69 Fluorobenzene	96	3.709	3.702	(1.000)	895474	50.0000	
25 Trichloroethene	95	4.053	4.053	(1.093)	131791	21.3215	27
63 n-Butanol	43	4.082	4.075	(1.100)	103186	1130.82	1400
96 Ethyl Acrylate	85	4.590	4.211	(1.238)	101713	383.884	490(R)
126 Methyl cyclohexane	83	4.225	4.225	(1.139)	215304	18.3305	23
23 1,2-Dichloropropane	63	4.282	4.283	(1.154)	128209	20.2579	26
109 Dibromomethane	93	4.397	4.397	(1.185)	66859	20.0733	26
95 1,4-Dioxane	88	4.447	4.454	(1.199)	10103	143.084	180
146 Methyl methacrylate	69	4.454	4.454	(1.201)	59662	19.0830	24
64 Propyl Acetate	43	4.540	4.533	(1.224)	165789	24.6258	31(R)
22 Bromodichloromethane	83	4.590	4.591	(1.238)	160848	21.4933	27
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.338)	55883	19.6381	25
118 Epichlorohydrin	57	5.013	5.013	(1.351)	178098	323.904	410
24 cis-1,3-Dichloropropene	75	5.092	5.092	(1.373)	172872	19.8557	25
33 4-Methyl-2-Pentanone	43	5.314	5.314	(1.433)	76335	16.6029	21
\$ 37 Toluene-d8 (SUR)	98	5.385	5.386	(0.741)	730020	48.3873	62
38 Toluene	91	5.464	5.464	(0.752)	567300	18.9770	24

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61640.d
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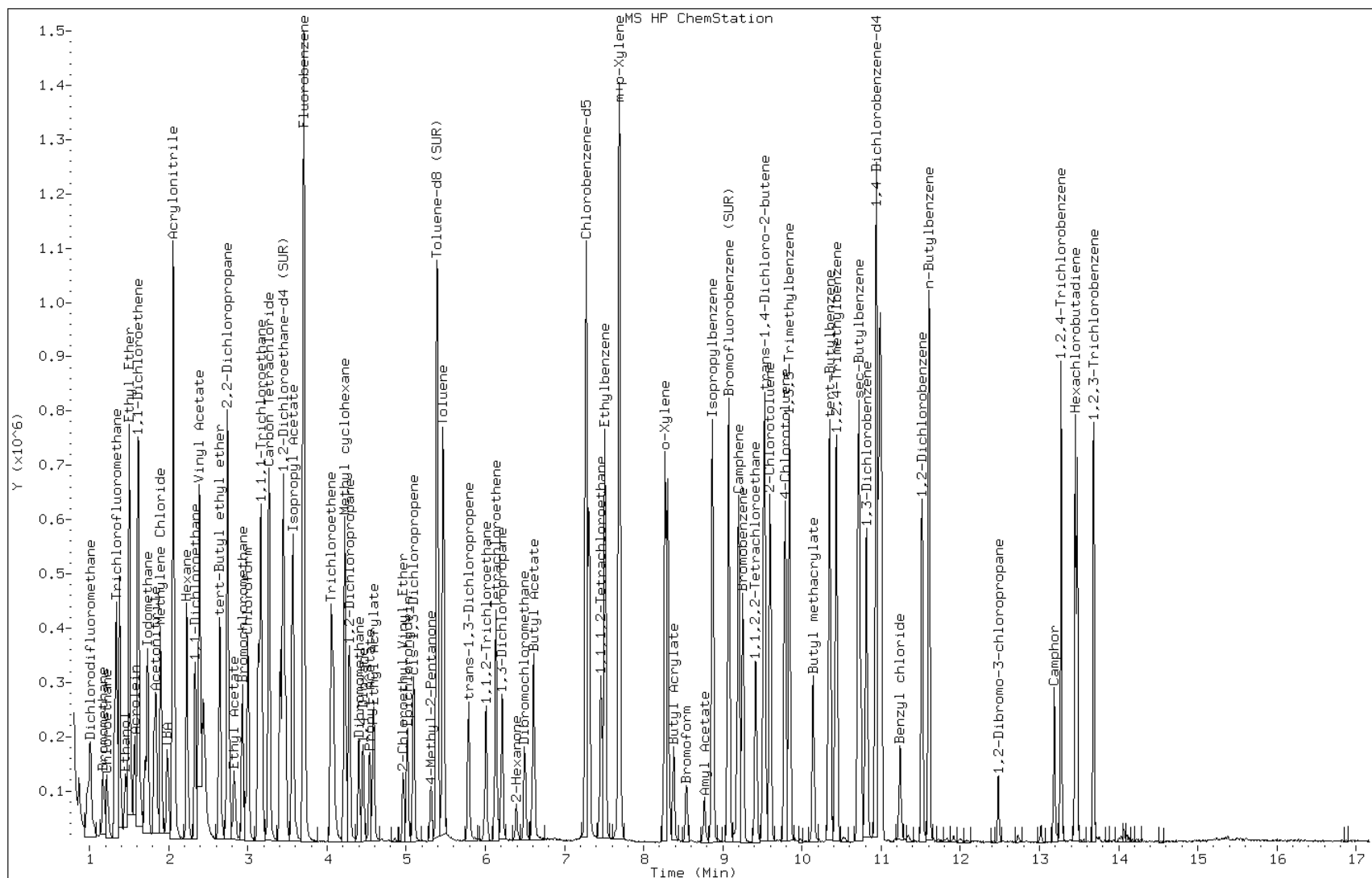
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
29 trans-1,3-Dichloropropene	75	5.787	5.787	(0.796)	138176	14.7374	19
27 1,1,2-Trichloroethane	83	6.009	6.009	(0.827)	73022	17.5991	22
35 Tetrachloroethene	166	6.138	6.131	(0.844)	142541	20.7051	26
103 1,3-Dichloropropane	76	6.209	6.209	(0.854)	167912	18.2119	23
34 2-Hexanone	43	6.395	6.388	(0.880)	53943	14.1814	18
26 Dibromochloromethane	129	6.496	6.496	(0.894)	93734	16.3093	21
65 Butyl Acetate	43	6.610	6.603	(0.909)	182909	20.4842	26(R)
66 1,2-Dibromoethane	107	6.610	6.611	(0.909)	84987	18.0926	23
* 32 Chlorobenzene-d5	117	7.269	7.270	(1.000)	684988	50.0000	
39 Chlorobenzene	112	7.312	7.312	(1.006)	342648	19.2476	24
97 1,1,1,2-Tetrachloroethane	131	7.463	7.463	(1.027)	97802	16.7380	21
40 Ethylbenzene	106	7.513	7.513	(1.034)	195559	19.9212	25
43 m+p-Xylene	106	7.692	7.692	(1.058)	468961	37.2780	48
44 o-Xylene	106	8.272	8.272	(1.138)	225326	18.8773	24
42 Styrene	104	8.301	8.301	(1.142)	373439	18.2747	23
147 Butyl Acrylate	55	8.380	8.380	(0.766)	131125	11.2327	14(R)
31 Bromoform	173	8.537	8.537	(1.174)	51396	16.4128	21
145 Amyl Acetate	43	8.766	8.767	(1.206)	58119	9.00296	12
110 Isopropylbenzene	105	8.867	8.867	(1.220)	637260	19.1620	24
\$ 41 Bromofluorobenzene (SUR)	174	9.074	9.075	(0.830)	262977	50.1526	64
150 Camphene	41	9.203	9.196	(0.842)	67692	16.7678	21
107 Bromobenzene	156	9.253	9.254	(0.846)	146278	18.9792	24
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411	(0.860)	115544	17.1935	22
99 1,2,3-Trichloropropane	110	9.425	9.418	(0.862)	32591	16.7604	21
143 trans-1,4-Dichloro-2-butene	53	9.504	9.504	(2.562)	33476	19.0593	24
112 n-Propylbenzene	91	9.526	9.526	(0.871)	783823	18.0975	23
105 2-Chlorotoluene	91	9.597	9.598	(0.878)	436551	17.8349	23
106 4-Chlorotoluene	91	9.784	9.784	(0.895)	449205	17.5181	22
102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	515435	17.6954	23
148 Butyl methacrylate	69	10.142	10.142	(0.927)	125941	12.4492	16(R)
115 tert-Butylbenzene	119	10.349	10.350	(0.946)	475306	18.1575	23
100 1,2,4-Trimethylbenzene	105	10.435	10.436	(0.954)	510499	17.3449	22
114 sec-Butylbenzene	105	10.715	10.715	(0.980)	705289	17.4044	22
67 1,3-Dichlorobenzene	146	10.815	10.815	(0.989)	283373	17.9078	23
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	385671	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)	284331	17.8231	23
113 p-Isopropyltoluene	119	10.994	10.994	(1.005)	593839	17.8775	23
69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)	264765	17.9589	23
117 Benzyl chloride	91	11.238	11.238	(1.028)	133117	10.0415	13(R)
111 n-Butylbenzene	91	11.603	11.603	(1.061)	569437	16.8620	22
101 1,2-Dibromo-3-chloropropane	75	12.477	12.477	(1.141)	20767	14.9042	19
152 Camphor	95	13.186	13.186	(1.206)	59697	75.1831	96
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)	201746	16.9538	22
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)	114537	15.8418	20
70 Naphthalene	128	13.480	13.480	(1.232)	423308	16.4201	21
98 1,2,3-Trichlorobenzene	180	13.687	13.688	(1.252)	176861	16.0256	20
M 45 Xylene (Total)	100				694288	56.1470	72

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61640.d
Report Date: 28-Jun-2012 18:58

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Operator: VOAMS 9



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: F-12 MSD Lab Sample ID: 460-41546-21 MSD

Matrix: Solid Lab File ID: o61641.d

Analysis Method: 8260B Date Collected: 06/20/2012 15:10

Sample wt/vol: 4.25(g) Date Analyzed: 06/28/2012 10:21

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: 7.2 Level: (low/med) Low

Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.7		1.3	0.16
79-34-5	1,1,2,2-Tetrachloroethane	22.5		1.3	0.11
79-00-5	1,1,2-Trichloroethane	22.8		1.3	0.18
75-34-3	1,1-Dichloroethane	25.4		1.3	0.14
75-35-4	1,1-Dichloroethene	26.6		1.3	0.24
87-61-6	1,2,3-Trichlorobenzene	20.6		1.3	0.20
120-82-1	1,2,4-Trichlorobenzene	21.1		1.3	0.24
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		1.3	0.56
106-93-4	1,2-Dibromoethane	23.6		1.3	0.19
95-50-1	1,2-Dichlorobenzene	23.0		1.3	0.13
107-06-2	1,2-Dichloroethane	24.9		1.3	0.23
78-87-5	1,2-Dichloropropane	25.1		1.3	0.19
541-73-1	1,3-Dichlorobenzene	23.3		1.3	0.20
106-46-7	1,4-Dichlorobenzene	22.7		1.3	0.14
123-91-1	1,4-Dioxane	191		63	16
78-93-3	2-Butanone	24.0		13	0.80
591-78-6	2-Hexanone	20.0		13	0.16
108-10-1	4-Methyl-2-pentanone	22.8		13	0.25
67-64-1	Acetone	30.8		13	2.1
71-43-2	Benzene	26.1		1.3	0.19
74-97-5	Bromochloromethane	29.5		1.3	0.14
75-27-4	Bromodichloromethane	27.0		1.3	0.41
75-25-2	Bromoform	21.1		1.3	0.22
74-83-9	Bromomethane	24.7		1.3	0.55
75-15-0	Carbon disulfide	23.0		1.3	0.19
56-23-5	Carbon tetrachloride	27.1		1.3	0.19
108-90-7	Chlorobenzene	24.2		1.3	0.23
75-00-3	Chloroethane	24.0		1.3	0.42
67-66-3	Chloroform	26.4		1.3	0.30
74-87-3	Chloromethane	26.5		1.3	0.20
156-59-2	cis-1,2-Dichloroethene	25.7		1.3	0.14
10061-01-5	cis-1,3-Dichloropropene	25.8		1.3	0.18
110-82-7	Cyclohexane	25.0		1.3	0.16
124-48-1	Dibromochloromethane	21.1		1.3	0.13
75-71-8	Dichlorodifluoromethane	19.2		1.3	0.28
100-41-4	Ethylbenzene	24.4		1.3	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-12 MSD Lab Sample ID: 460-41546-21 MSD
 Matrix: Solid Lab File ID: o61641.d
 Analysis Method: 8260B Date Collected: 06/20/2012 15:10
 Sample wt/vol: 4.25(g) Date Analyzed: 06/28/2012 10:21
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: 7.2 Level: (low/med) Low
 Analysis Batch No.: 117776 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	28.3		1.3	0.14
98-82-8	Isopropylbenzene	24.1		1.3	0.14
79-20-9	Methyl acetate	45.5		1.3	0.41
108-87-2	Methylcyclohexane	23.3		1.3	0.13
75-09-2	Methylene Chloride	33.0		1.3	0.19
1634-04-4	MTBE	24.0		1.3	0.14
100-42-5	Styrene	23.7		1.3	0.36
127-18-4	Tetrachloroethene	25.6		1.3	0.15
108-88-3	Toluene	23.5		1.3	0.18
156-60-5	trans-1,2-Dichloroethene	25.5		1.3	0.16
10061-02-6	trans-1,3-Dichloropropene	19.2		1.3	0.13
79-01-6	Trichloroethene	27.3		1.3	0.15
75-69-4	Trichlorofluoromethane	23.5		1.3	0.20
75-01-4	Vinyl chloride	22.4		1.3	0.43
1330-20-7	Xylenes, Total	71.5		3.8	0.85

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		70-130
2037-26-5	Toluene-d8 (Surr)	97		70-130
460-00-4	Bromofluorobenzene	101		70-130

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61641.d
 Report Date: 28-Jun-2012 18:58

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61641.d
 Lab Smp Id: 460-41546-B-21-CMSD
 Inj Date : 28-JUN-2012 10:21
 Operator : VOAMS 9 Inst ID: VOAMS12.i
 Smp Info : 460-41546-B-21-CMSD;;;4.25;5
 Misc Info :
 Comment :
 Method : /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/8260L_10.m
 Meth Date : 28-Jun-2012 15:38 maryb Quant Type: ISTD
 Cal Date : 21-JUN-2012 23:37 Cal File: o61398.d
 Als bottle: 13 QC Sample: MSD
 Dil Factor: 1.00000
 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	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.25000	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	FINAL
							(ug/L)	(ug/Kg)
=====	=====	=====	=====	=====	=====	=====	=====	=====
M 14 1,2-Dichloroethene (total)	100					285535	40.3545	47
90 Dichlorodifluoromethane	85		0.866	0.866	(0.233)	132352	15.1297	18
1 Chloromethane	50		0.980	0.988	(0.264)	180369	20.8957	24
4 Vinyl Chloride	62		1.009	1.009	(0.272)	168211	17.6356	21
3 Bromomethane	94		1.166	1.167	(0.314)	98822	19.4862	23
5 Chloroethane	64		1.217	1.217	(0.328)	100699	18.8987	22
9 Trichlorofluoromethane	101		1.338	1.339	(0.361)	248794	18.5100	22
127 Ethanol	46		1.453	1.453	(0.392)	96891	2637.08	3100
46 Ethyl Ether	59		1.496	1.496	(0.403)	108062	21.1615	25
119 Isoprene	67		1.503	1.503	(0.405)	213838	22.9839	27
47 Acrolein	56		1.568	1.568	(0.423)	132551	154.122	180
10 1,1-Dichloroethene	96		1.611	1.611	(0.434)	118367	20.9632	25
48 Freon TF	101		1.618	1.618	(0.436)	149736	22.3310	26
7 Acetone	43		1.654	1.654	(0.446)	38351	24.3037	28

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61641.d
 Report Date: 28-Jun-2012 18:58

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
142 Iodomethane	142	1.704	1.704	(0.459)	177258	22.2802	26
8 Carbon Disulfide	76	1.732	1.732	(0.467)	363401	18.1323	21
50 Acetonitrile	41	1.818	1.818	(0.490)	313528	429.365	500
125 Methyl acetate	74	1.840	1.840	(0.496)	34156	35.8715	42(R)
6 Methylene Chloride	84	1.897	1.897	(0.511)	151218	25.9925	30
51 TBA	59	1.983	1.983	(0.535)	215449	333.838	390
52 Acrylonitrile	53	2.055	2.055	(0.554)	277768	123.601	140
12 trans-1,2-Dichloroethene	96	2.055	2.055	(0.554)	133301	20.0670	24
53 MTBE	73	2.062	2.062	(0.556)	306587	18.8983	22
54 Hexane	56	2.227	2.227	(0.600)	96979	16.1570	19
11 1,1-Dichloroethane	63	2.334	2.334	(0.629)	267871	19.9905	24
57 Vinyl Acetate	43	2.384	2.377	(0.643)	276142	13.5391	16
55 DIPE	45	2.384	2.384	(0.643)	431785	20.0809	24
149 tert-Butyl ethyl ether	59	2.642	2.642	(0.712)	350100	19.3767	23
157 Dichlorofluoromethane	67	1.317	1.317	(0.355)	277748	19.2769	23
104 2,2-Dichloropropane	77	2.742	2.742	(0.739)	215438	18.5194	22
13 cis-1,2-Dichloroethene	96	2.749	2.742	(0.741)	152233	20.2874	24
18 2-Butanone	72	2.778	2.771	(0.749)	12356	18.9337	22
56 Ethyl Acetate	70	2.828	2.828	(0.762)	12235	25.5211	30(R)
108 Bromochloromethane	128	2.929	2.929	(0.790)	62874	23.2641	27
15 Chloroform	83	3.000	3.000	(0.809)	255168	20.7967	24
20 1,1,1-Trichloroethane	97	3.129	3.129	(0.844)	222884	21.0430	25
59 Cyclohexane	56	3.165	3.165	(0.853)	275281	19.7241	23
21 Carbon Tetrachloride	117	3.265	3.265	(0.880)	174881	21.3540	25
92 1,1-Dichloropropene	75	3.265	3.265	(0.880)	185971	18.4121	22
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.408	3.409	(0.919)	227018	49.7402	58
28 Benzene	78	3.444	3.444	(0.929)	535183	20.5918	24
17 1,2-Dichloroethane	62	3.473	3.473	(0.936)	167074	19.6299	23
61 Isopropyl Acetate	43	3.566	3.566	(0.961)	369287	32.2695	38
140 tert-Amylmethyl Ether	73	3.566	3.566	(0.961)	275465	19.8002	23
* 69 Fluorobenzene	96	3.709	3.702	(1.000)	922714	50.0000	
25 Trichloroethene	95	4.053	4.053	(1.093)	137255	21.5499	25
63 n-Butanol	43	4.075	4.075	(1.098)	112853	1200.24	1400
96 Ethyl Acrylate	85	4.447	4.211	(1.199)	5221	19.1256	22
126 Methyl cyclohexane	83	4.225	4.225	(1.139)	222010	18.3435	22
23 1,2-Dichloropropane	63	4.282	4.283	(1.154)	129181	19.8089	23
109 Dibromomethane	93	4.397	4.397	(1.185)	68425	19.9369	23
95 1,4-Dioxane	88	4.454	4.454	(1.201)	10938	150.335	180
146 Methyl methacrylate	69	4.454	4.454	(1.201)	66105	20.5197	24
64 Propyl Acetate	43	4.540	4.533	(1.224)	186462	26.8788	32(R)
22 Bromodichloromethane	83	4.590	4.591	(1.238)	164120	21.2831	25
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.338)	57713	19.6827	23
118 Epichlorohydrin	57	5.013	5.013	(1.351)	185145	326.780	380
24 cis-1,3-Dichloropropene	75	5.092	5.092	(1.373)	182540	20.3471	24
33 4-Methyl-2-Pentanone	43	5.314	5.314	(1.433)	84993	17.9404	21
\$ 37 Toluene-d8 (SUR)	98	5.385	5.386	(0.741)	749913	48.6702	57
38 Toluene	91	5.464	5.464	(0.752)	566206	18.5458	22

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61641.d
 Report Date: 28-Jun-2012 18:58

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
29 trans-1,3-Dichloropropene	75	5.787	5.787	(0.796)	145041	15.1467	18
27 1,1,2-Trichloroethane	83	6.009	6.009	(0.827)	76024	17.9409	21
35 Tetrachloroethene	166	6.130	6.131	(0.843)	142143	20.2170	24
103 1,3-Dichloropropane	76	6.209	6.209	(0.854)	172153	18.2828	22
34 2-Hexanone	43	6.388	6.388	(0.879)	61259	15.7692	18
26 Dibromochloromethane	129	6.496	6.496	(0.894)	97769	16.6561	20
65 Butyl Acetate	43	6.610	6.603	(0.909)	207795	22.7864	27(R)
66 1,2-Dibromoethane	107	6.610	6.611	(0.909)	89140	18.5812	22
* 32 Chlorobenzene-d5	117	7.269	7.270	(1.000)	699564	50.0000	
39 Chlorobenzene	112	7.312	7.312	(1.006)	346931	19.0821	22
97 1,1,1,2-Tetrachloroethane	131	7.463	7.463	(1.027)	103377	17.3214	20
40 Ethylbenzene	106	7.513	7.513	(1.034)	193062	19.2571	23
43 m+p-Xylene	106	7.692	7.692	(1.058)	483743	37.6519	44
44 o-Xylene	106	8.272	8.272	(1.138)	228393	18.7355	22
42 Styrene	104	8.308	8.301	(1.143)	390693	18.7207	22
147 Butyl Acrylate	55	8.380	8.380	(0.766)	142529	12.1787	14(R)
31 Bromoform	173	8.537	8.537	(1.174)	53317	16.6702	20
145 Amyl Acetate	43	8.766	8.767	(1.206)	69991	10.6161	12
110 Isopropylbenzene	105	8.867	8.867	(1.220)	646512	19.0352	22
\$ 41 Bromofluorobenzene (SUR)	174	9.074	9.075	(0.830)	265385	50.4837	59
150 Camphene	41	9.196	9.196	(0.841)	68162	16.8415	20
107 Bromobenzene	156	9.254	9.254	(0.846)	146032	18.8993	22
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411	(0.860)	119459	17.7311	21
99 1,2,3-Trichloropropane	110	9.418	9.418	(0.861)	33986	17.4333	20
143 trans-1,4-Dichloro-2-butene	53	9.504	9.504	(2.562)	36908	20.3928	24
112 n-Propylbenzene	91	9.526	9.526	(0.871)	780992	17.9865	21
105 2-Chlorotoluene	91	9.597	9.598	(0.878)	440304	17.9427	21
106 4-Chlorotoluene	91	9.784	9.784	(0.895)	445373	17.3246	20
102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)	515616	17.6568	21
148 Butyl methacrylate	69	10.142	10.142	(0.927)	148304	14.6226	17(R)
115 tert-Butylbenzene	119	10.349	10.350	(0.946)	472892	18.0195	21
100 1,2,4-Trimethylbenzene	105	10.435	10.436	(0.954)	519684	17.6122	21
114 sec-Butylbenzene	105	10.715	10.715	(0.980)	701882	17.2764	20
67 1,3-Dichlorobenzene	146	10.815	10.815	(0.989)	291731	18.3893	22
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)	386651	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)	285662	17.8612	21
113 p-Isopropyltoluene	119	10.994	10.994	(1.005)	597972	17.9563	21
69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)	268616	18.1740	21
117 Benzyl chloride	91	11.238	11.238	(1.028)	142547	10.7244	13(R)
111 n-Butylbenzene	91	11.603	11.603	(1.061)	564666	16.6784	20
101 1,2-Dibromo-3-chloropropane	75	12.484	12.477	(1.141)	21680	15.5196	18
152 Camphor	95	13.186	13.186	(1.206)	72262	90.7772	110
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)	198085	16.6039	20
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)	109266	15.0745	18
70 Naphthalene	128	13.480	13.480	(1.232)	429315	16.6109	20
98 1,2,3-Trichlorobenzene	180	13.687	13.688	(1.252)	179791	16.2498	19
M 45 Xylene (Total)	100				712137	56.3906	66

Data File: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b/o61641.d
Report Date: 28-Jun-2012 18:58

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: VOAMS12 Start Date: 06/21/2012 18:14Analysis Batch Number: 117082 End Date: 06/22/2012 04:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-117082/1		06/21/2012 18:14	1	o61386.d	DB-624 0.18 (mm)
IC 460-117082/2		06/21/2012 19:31	1	o61389.d	DB-624 0.18 (mm)
ICIS 460-117082/3		06/21/2012 19:56	1	o61390.d	DB-624 0.18 (mm)
IC 460-117082/4		06/21/2012 20:21	1	o61391.d	DB-624 0.18 (mm)
IC 460-117082/5		06/21/2012 20:46	1	o61392.d	DB-624 0.18 (mm)
IC 460-117082/6		06/21/2012 21:11	1	o61393.d	DB-624 0.18 (mm)
IC 460-117082/7		06/21/2012 23:37	1	o61398.d	DB-624 0.18 (mm)
ZZZZZ		06/22/2012 01:16	1		DB-624 0.18 (mm)
ZZZZZ		06/22/2012 01:44	1		DB-624 0.18 (mm)
ZZZZZ		06/22/2012 03:01	1		DB-624 0.18 (mm)
ZZZZZ		06/22/2012 03:26	1		DB-624 0.18 (mm)
ZZZZZ		06/22/2012 03:51	1		DB-624 0.18 (mm)
ZZZZZ		06/22/2012 04:16	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: VOAMS12 Start Date: 06/28/2012 04:15Analysis Batch Number: 117776 End Date: 06/28/2012 16:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-117776/1		06/28/2012 04:15	1	o61628.d	DB-624 0.18 (mm)
CCVIS 460-117776/2		06/28/2012 04:46	1	o61629.d	DB-624 0.18 (mm)
LCS 460-117776/3		06/28/2012 05:11	1	o61630.d	DB-624 0.18 (mm)
ZZZZZ		06/28/2012 05:36	1		DB-624 0.18 (mm)
LB3 460-116894/1-A		06/28/2012 07:02	1	o61633.d	DB-624 0.18 (mm)
MB 460-117776/5		06/28/2012 07:27	1	o61634.d	DB-624 0.18 (mm)
ZZZZZ		06/28/2012 07:51	1		DB-624 0.18 (mm)
ZZZZZ		06/28/2012 08:16	1		DB-624 0.18 (mm)
ZZZZZ		06/28/2012 08:41	1		DB-624 0.18 (mm)
ZZZZZ		06/28/2012 09:06	1		DB-624 0.18 (mm)
460-41546-21	F-12	06/28/2012 09:31	1	o61639.d	DB-624 0.18 (mm)
460-41546-21 MS	F-12 MS	06/28/2012 09:56	1	o61640.d	DB-624 0.18 (mm)
460-41546-21 MSD	F-12 MSD	06/28/2012 10:21	1	o61641.d	DB-624 0.18 (mm)
ZZZZZ		06/28/2012 10:46	1		DB-624 0.18 (mm)
460-41546-17	F-8	06/28/2012 11:11	1	o61643.d	DB-624 0.18 (mm)
460-41546-18	F-9	06/28/2012 11:35	1	o61644.d	DB-624 0.18 (mm)
460-41546-19	F-10	06/28/2012 12:00	1	o61645.d	DB-624 0.18 (mm)
460-41546-20	F-11	06/28/2012 12:25	1	o61646.d	DB-624 0.18 (mm)
460-41546-22	F-13	06/28/2012 12:50	1	o61647.d	DB-624 0.18 (mm)
460-41546-23	FB-E	06/28/2012 13:15	1	o61648.d	DB-624 0.18 (mm)
ZZZZZ		06/28/2012 13:40	1		DB-624 0.18 (mm)
ZZZZZ		06/28/2012 14:05	1		DB-624 0.18 (mm)
ZZZZZ		06/28/2012 14:30	1		DB-624 0.18 (mm)
ZZZZZ		06/28/2012 14:55	1		DB-624 0.18 (mm)
ZZZZZ		06/28/2012 15:20	1		DB-624 0.18 (mm)
ZZZZZ		06/28/2012 15:45	1		DB-624 0.18 (mm)
ZZZZZ		06/28/2012 16:10	1		DB-624 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 116894 Batch Start Date: 06/20/12 22:52 Batch Analyst: Jin, FangzhouBatch Method: 5035 Batch End Date: 06/20/12 23:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
LB3 460-116894/1		5035, 8260B		5 g	5 mL				
460-41546-B-17	F-8	5035, 8260B	T	3.77 g	5 mL				
460-41546-B-18	F-9	5035, 8260B	T	5.59 g	5 mL				
460-41546-B-19	F-10	5035, 8260B	T	4.56 g	5 mL				
460-41546-B-20	F-11	5035, 8260B	T	5.07 g	5 mL				
460-41546-B-21	F-12	5035, 8260B	T	4.09 g	5 mL				
460-41546-B-21	F-12	5035, 8260B	T	4.22 g	5 mL				
MS 460-41546-B-21	F-12	5035, 8260B	T	4.25 g	5 mL				
MSD 460-41546-B-22	F-13	5035, 8260B	T	4.90 g	5 mL				
460-41546-B-23	FB-E	5035, 8260B	T	6.42 g	5 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS12.i
Analytical Batch: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b

Date Generated: 06/22/2012
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Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil	Sublist	PH	STD LOT	COMMENTS
06/21/12 1814	061386.d	2	BFB		0	0	1	all			G
06/21/12 1840	061387.d	1	IC-VMCAL1		5	5	1	all		8260 LOW	NG
06/21/12 1905	061388.d	2	IC-VMCAL1		5	5	1	all		8260 IS- SURF 250: GAS SP- 1554363	NG
06/21/12 1931	061389.d	3	IC-VMCAL2		5	5	1	all		1554339 GAS SP- 1554336	NG
06/21/12 1956	061390.d	4	ICIS-VMCAL3		5	5	1	all		1554350 GAS SP- 1554352	NG
06/21/12 2021	061391.d	5	IC-VMCAL4		5	5	1	all		1554351 GAS SP- 1554353	NG
06/21/12 2046	061392.d	6	IC-VMCAL5		5	5	1	all		1554353 GAS SP- 1554353	NG
06/21/12 2111	061393.d	7	IC-VMCAL6		5	5	1	all		1554353 GAS SP- 1554353	NG
06/21/12 2136	061394.d	8	BLK		5	5	1	all		1554353 GAS SP- 1554353	NG
06/21/12 2201	061395.d	9	BLK		5	5	1	all		1554353 GAS SP- 1554353	NG
06/21/12 2237	061396.d	10	ICS		5	5	1	all		1554353 GAS SP- 1554353	NG
06/21/12 2302	061397.d	11	BLK		5	5	1	all		1554353 GAS SP- 1554353	NG
06/21/12 2337	061398.d	12	IC-VMCAL1		5	5	1	all		1554353 GAS SP- 1554353	NG
06/22/12 0026	061399.d	13	ICV		5	5	1	all		1554353 GAS SP- 1554353	NG

117082

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS12.i

Analytical Batch: /chem/VOAMS12.i/8260L_10/06-21-12/21jun12a.b

Date Generated: 06/22/2012

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Date	Data File	AUS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
06/22/12	0050 061400.d	14	LCS		5	5	1	all			NA
06/22/12	0116 061401.d	15	LCS		5	5	1	all			NA
06/22/12	0144 061402.d	16	LCSD		5	5	1	all			NA
06/22/12	0211 061403.d	17	MB		5	5	1	all			NA cleanup.
06/22/12	0236 061404.d	18	MB		5	5	1	all			NA cleanup.
06/22/12	0301 061405.d	19	MB 460-116698/1-A		5	5	1	all			NA
06/22/12	0326 061406.d	20	MB		5	5	1	all			NA
06/22/12	0351 061407.d	21	460-41202-B-1-A		3.75	5	1	all			NA
06/22/12	0416 061408.d	23	460-41387-D-1-A		6.766	5	1	all			NA

Signed: Redburn for Ken B. Read and Understood by: A. S. Upgill

Date: 06/22/12

Date: 06/22/12

Instrument ID: VOAMS12.i
Analytical Batch: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b

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07/06/2012

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS12.1

Analytical Batch: /chem/VOAMS12.1/8260L_10/06-21-12/28jun12.b

Date Generated: 06/28/2012

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Date	Data File	AUS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
06/28/12	1046 061642.d	14	BLANK		5	5	1	all			N/A
06/28/12	1111 061643.d	15	460-41546-B-17-A		3.77	5	1	all			✓
06/28/12	1135 061644.d	16	460-41546-B-18-A		5.59	5	1	all			✓
06/28/12	1200 061645.d	17	460-41546-B-19-A		4.56	5	1	all			✓
06/28/12	1225 061646.d	18	460-41546-B-20-A		5.07	5	1	all			✓
06/28/12	1250 061647.d	19	460-41546-B-22-A		4.9	5	1	all			✓
06/28/12	1315 061648.d	20	460-41546-B-23-A		6.42	5	1	all			✓
06/28/12	1340 061649.d	21	460-41534-C-1-A		4.58	5	1	all			✓
06/28/12	1405 061650.d	22	460-41534-C-2-A		5.11	5	1	all			✓
06/28/12	1430 061651.d	23	460-41534-C-3-A		4.24	5	1	all			✓
06/28/12	1455 061652.d	24	460-41534-C-4-A		5.53	5	1	all			✓
06/28/12	1520 061653.d	25	460-41534-C-5-A		4.33	5	1	all			✓
06/28/12	1545 061654.d	26	460-41534-C-6-A		4.48	5	1	all			✓
06/28/12	1610 061655.d	27	460-41745-D-7-A	SB30A-24-25JUN12-1.	5.49	5	1	all			✓

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS12.i

Analytical Batch: /chem/VOAMS12.i/8260L_10/06-21-12/28jun12.b

Date Generated: 06/28/2012

Page 3

Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
06/28/12	1635	061656.d	28	BLANK	5	5	1	all			Nh
											clean up

Signed: Ellie M for IT Read and Understood by: Ken Barber

Date: 06/28/12

Date: 06/28/12

Method 8270C

Semivolatile Organic Compounds
(GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 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 #
F-8	460-41546-17	72	82	69	76	56	98
F-9	460-41546-18	72	87	64	66	69	92
F-10	460-41546-19	59	74	50	51	55	97
F-11	460-41546-20	71	91	44	47	68	93
F-12	460-41546-21	74	90	61	60	66	94
F-13	460-41546-22	68	79	48	58	57	102
FB-E	460-41546-23	67	85	46	45	59	86
	MB 460-117106/1-A	85	93	87	86	65	93
	MB 460-117111/1-A	107	112	90	88	68	84
	LCS 460-117106/2-A	72	75	74	73	74	83
	LCS 460-117111/2-A	80	79	64	61	59	68
F-12 MS	460-41546-21 MS	74	77	80	83	67	87
	460-41556-A-10-A MS DL	0 D	0 D	0 D	0 D	0 D	0 D
F-12 MSD	460-41546-21 MSD	74	77	80	82	69	86
	460-41556-A-10-B MSD DL	0 D	0 D	0 D	0 D	0 D	0 D

	<u>QC LIMITS</u>
2FP = 2-Fluorophenol	37-125
PHL = Phenol-d5	41-118
NBZ = Nitrobenzene-d5	38-105
FBP = 2-Fluorobiphenyl	40-109
TBP = 2,4,6-Tribromophenol	10-120
TPH = Terphenyl-d14	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.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z19063.d
 Lab ID: LCS 460-117106/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Phenol	6670	5620	84	54-115	
2-Chlorophenol	6670	5960	89	56-110	
2-Methylphenol	6670	6060	91	54-117	
4-Methylphenol	6670	6180	93	47-103	
Benzaldehyde	3330	1550	47	10-160	
Acetophenone	3330	2940	88	40-95	
Bis (2-chloroethyl) ether	3330	2870	86	44-101	
2,2'-oxybis[1-chloropropane]	3330	2490	75	45-102	
N-Nitrosodi-n-propylamine	3330	2990	90	42-107	
Nitrobenzene	3330	2910	87	42-106	
Hexachloroethane	3330	2760	83	45-90	
Isophorone	3330	2940	88	48-97	
2-Nitrophenol	6670	6200	93	55-101	
2,4-Dimethylphenol	6670	6270	94	56-112	
2,4-Dichlorophenol	6670	5920	89	58-115	
Bis (2-chloroethoxy) methane	3330	3130	94	51-100	
Naphthalene	3330	2990	90	53-94	
4-Chloroaniline	3330	2370	71	10-96	
Hexachlorobutadiene	3330	2890	87	45-98	
Caprolactam	3330	2780	83	10-127	
4-Chloro-3-methylphenol	6670	6450	97	55-117	
2-Methylnaphthalene	3330	3070	92	51-98	
Hexachlorobenzene	3330	3150	95	43-104	
Hexachlorocyclopentadiene	3330	2140	64	24-98	
2,4,6-Trichlorophenol	6670	5930	89	53-118	
2,4,5-Trichlorophenol	6670	5660	85	50-115	
Diphenyl	3330	2990	90	50-105	
2-Chloronaphthalene	3330	2940	88	51-102	
2-Nitroaniline	3330	3600	108	51-109	
2,6-Dinitrotoluene	3330	3190	96	51-115	
Dimethyl phthalate	3330	3150	94	52-112	
Acenaphthylene	3330	2960	89	51-103	
3-Nitroaniline	3330	2510	75	32-104	
Acenaphthene	3330	3060	92	46-100	
4-Nitrophenol	6670	5410	81	45-114	
2,4-Dinitrophenol	6670	1140	17	10-129	
Dibenzofuran	3330	2950	88	52-106	
Diethyl phthalate	3330	3130	94	52-114	
Fluorene	3330	3080	92	51-108	
Fluoranthene	3330	3090	93	49-108	
Di-n-butyl phthalate	3330	3160	95	50-108	
2,4-Dinitrotoluene	3330	3180	95	53-110	

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.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z19063.d
 Lab ID: LCS 460-117106/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4-Chlorophenyl phenyl ether	3330	3120	94	50-106	
4-Nitroaniline	3330	2930	88	45-106	
4,6-Dinitro-2-methylphenol	6670	2220	33	10-110	
4-Bromophenyl phenyl ether	3330	3210	96	44-102	
Atrazine	3330	2320	70	30-100	
Anthracene	3330	3080	92	50-107	
Carbazole	3330	3160	95	49-104	
Phenanthrene	3330	3130	94	48-108	
Pentachlorophenol	6670	5490	82	19-113	
Pyrene	3330	3370	101	49-116	
Chrysene	3330	3170	95	45-114	
Benzo[k]fluoranthene	3330	2840	85	35-115	
Benzo[g,h,i]perylene	3330	3110	93	43-106	
Benzo[b]fluoranthene	3330	2830	85	33-96	
Benzo[a]pyrene	3330	2900	87	36-89	
Benzo[a]anthracene	3330	3050	92	46-112	
N-Nitrosodiphenylamine	3330	3360	101	49-106	
Butyl benzyl phthalate	3330	3330	100	49-117	
Bis(2-ethylhexyl) phthalate	3330	3310	99	49-119	
Di-n-octyl phthalate	3330	3020	91	40-106	
Indeno[1,2,3-cd]pyrene	3330	2410	72	43-109	
Dibenz(a,h)anthracene	3330	2680	80	43-107	
3,3'-Dichlorobenzidine	3330	2290	69	24-105	
1,2,4,5-Tetrachlorobenzene	3330	2740	82	70-130	
2,3,4,6-Tetrachlorophenol	3330	3020	91	70-130	

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.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: u77724.d
 Lab ID: LCS 460-117111/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Phenol	6670	6250	94	54-115	
2-Chlorophenol	6670	6940	104	56-110	
2-Methylphenol	6670	6610	99	54-117	
4-Methylphenol	6670	6420	96	47-103	
Benzaldehyde	3330	1770	53	10-160	
Acetophenone	3330	2640	79	40-95	
Bis (2-chloroethyl) ether	3330	2930	88	44-101	
2,2'-oxybis[1-chloropropane]	3330	2800	84	45-102	
N-Nitrosodi-n-propylamine	3330	2090	63	42-107	
Nitrobenzene	3330	2500	75	42-106	
Hexachloroethane	3330	2390	72	45-90	
Isophorone	3330	2340	70	48-97	
2-Nitrophenol	6670	5760	86	55-101	
2,4-Dimethylphenol	6670	6180	93	56-112	
2,4-Dichlorophenol	6670	5860	88	58-115	
Bis (2-chloroethoxy) methane	3330	2850	86	51-100	
Naphthalene	3330	2780	83	53-94	
4-Chloroaniline	3330	2170	65	10-96	
Hexachlorobutadiene	3330	2410	72	45-98	
Caprolactam	3330	1840	55	10-127	
4-Chloro-3-methylphenol	6670	5800	87	55-117	
2-Methylnaphthalene	3330	2780	83	51-98	
Hexachlorobenzene	3330	2500	75	43-104	
Hexachlorocyclopentadiene	3330	1520	45	24-98	
2,4,6-Trichlorophenol	6670	5230	78	53-118	
2,4,5-Trichlorophenol	6670	5300	80	50-115	
Diphenyl	3330	2810	84	50-105	
2-Chloronaphthalene	3330	2690	81	51-102	
2-Nitroaniline	3330	2640	79	51-109	
2,6-Dinitrotoluene	3330	2900	87	51-115	
Dimethyl phthalate	3330	2820	85	52-112	
Acenaphthylene	3330	2680	81	51-103	
3-Nitroaniline	3330	2370	71	32-104	
Acenaphthene	3330	2650	79	46-100	
4-Nitrophenol	6670	5330	80	45-114	
2,4-Dinitrophenol	6670	1470	22	10-129	
Dibenzofuran	3330	2640	79	52-106	
Diethyl phthalate	3330	2840	85	52-114	
Fluorene	3330	2830	85	51-108	
Fluoranthene	3330	2480	74	49-108	
Di-n-butyl phthalate	3330	2830	85	50-108	
2,4-Dinitrotoluene	3330	2960	89	53-110	

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.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: u77724.d
 Lab ID: LCS 460-117111/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4-Chlorophenyl phenyl ether	3330	2530	76	50-106	
4-Nitroaniline	3330	2910	87	45-106	
4,6-Dinitro-2-methylphenol	6670	2580	39	10-110	
4-Bromophenyl phenyl ether	3330	2540	76	44-102	
Atrazine	3330	1850	55	30-100	
Anthracene	3330	2510	75	50-107	
Carbazole	3330	2630	79	49-104	
Phenanthrene	3330	2640	79	48-108	
Pentachlorophenol	6670	4190	63	19-113	
Pyrene	3330	2780	83	49-116	
Chrysene	3330	2790	84	45-114	
Benzo[k]fluoranthene	3330	2260	68	35-115	
Benzo[g,h,i]perylene	3330	2250	68	43-106	
Benzo[b]fluoranthene	3330	2150	65	33-96	
Benzo[a]pyrene	3330	2410	72	36-89	
Benzo[a]anthracene	3330	2540	76	46-112	
N-Nitrosodiphenylamine	3330	2860	86	49-106	
Butyl benzyl phthalate	3330	2990	90	49-117	
Bis(2-ethylhexyl) phthalate	3330	2860	86	49-119	
Di-n-octyl phthalate	3330	2520	76	40-106	
Indeno[1,2,3-cd]pyrene	3330	2360	71	43-109	
Dibenz(a,h)anthracene	3330	2270	68	43-107	
3,3'-Dichlorobenzidine	3330	2220	67	24-105	
1,2,4,5-Tetrachlorobenzene	3330	2240	67	70-130	*
2,3,4,6-Tetrachlorophenol	3330	2470	74	70-130	

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.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: z19102.d
Lab ID: 460-41546-21 MS Client ID: F-12 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Phenol	7170	48 U	5950	83	54-115	
2-Chlorophenol	7170	47 U	6510	91	56-110	
2-Methylphenol	7170	61 U	6600	92	54-117	
4-Methylphenol	7170	70 U	6550	91	47-103	
Benzaldehyde	3580	42 U	1560	43	10-160	
Acetophenone	3580	55 U	3190	89	40-95	
Bis (2-chloroethyl) ether	3580	4.9 U	3130	87	44-101	
2,2'-oxybis[1-chloropropane]	3580	39 U	2760	77	45-102	
N-Nitrosodi-n-propylamine	3580	5.9 U	3400	95	42-107	
Nitrobenzene	3580	5.1 U	3270	91	42-106	
Hexachloroethane	3580	4.0 U	2990	83	45-90	
Isophorone	3580	43 U	3220	90	48-97	
2-Nitrophenol	7170	40 U	6830	95	55-101	
2,4-Dimethylphenol	7170	88 U	6700	93	56-112	
2,4-Dichlorophenol	7170	52 U	6440	90	58-115	
Bis (2-chloroethoxy) methane	3580	46 U	3480	97	51-100	
Naphthalene	3580	41 U	3300	92	53-94	
4-Chloroaniline	3580	94 U	2100	59	10-96	
Hexachlorobutadiene	3580	8.7 U	3210	89	45-98	
Caprolactam	3580	82 U	2940	82	10-127	
4-Chloro-3-methylphenol	7170	54 U	6700	93	55-117	
2-Methylnaphthalene	3580	46 U	3300	92	51-98	
Hexachlorobenzene	3580	4.9 U	3720	104	43-104	
Hexachlorocyclopentadiene	3580	42 U	2270	63	24-98	
2,4,6-Trichlorophenol	7170	42 U	6700	93	53-118	
2,4,5-Trichlorophenol	7170	46 U	6550	91	50-115	
Diphenyl	3580	48 U	3620	101	50-105	
2-Chloronaphthalene	3580	40 U	3520	98	51-102	
2-Nitroaniline	3580	150 U	3130	87	51-109	
2,6-Dinitrotoluene	3580	11 U	3500	98	51-115	
Dimethyl phthalate	3580	42 U	3490	97	52-112	
Acenaphthylene	3580	42 U	3390	94	51-103	
3-Nitroaniline	3580	130 U	2550	71	32-104	
Acenaphthene	3580	52 U	3560	99	46-100	
4-Nitrophenol	7170	230 U	5750	80	45-114	
2,4-Dinitrophenol	7170	200 U	570 J	8	10-129	F
Dibenzofuran	3580	42 U	3400	95	52-106	
Diethyl phthalate	3580	42 U	3340	93	52-114	
Fluorene	3580	46 U	3410	95	51-108	
Fluoranthene	3580	47 U	3210	89	49-108	
Di-n-butyl phthalate	3580	44 U	3490	97	50-108	
2,4-Dinitrotoluene	3580	12 U	3250	91	53-110	

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.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: z19102.d
Lab ID: 460-41546-21 MS Client ID: F-12 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
4-Chlorophenyl phenyl ether	3580	42 U	3480	97	50-106	
4-Nitroaniline	3580	110 U	2390	67	45-106	
4,6-Dinitro-2-methylphenol	7170	97 U	1630	23	10-110	
4-Bromophenyl phenyl ether	3580	35 U	3860	108	44-102	F
Atrazine	3580	55 U	2640	74	30-100	
Anthracene	3580	43 U	3520	98	50-107	
Carbazole	3580	42 U	3390	95	49-104	
Phenanthrene	3580	45 U	3630	101	48-108	
Pentachlorophenol	7170	110 U	4260	59	19-113	
Pyrene	3580	30 U	3810	106	49-116	
Chrysene	3580	42 U	3810	106	45-114	
Benzo[k]fluoranthene	3580	2.7 U	3210	89	35-115	
Benzo[g,h,i]perylene	3580	26 U	4090	114	43-106	F
Benzo[b]fluoranthene	3580	2.3 U	3190	89	33-96	
Benzo[a]pyrene	3580	2.5 U	3450	96	36-89	F
Benzo[a]anthracene	3580	2.5 U	3610	101	46-112	
N-Nitrosodiphenylamine	3580	35 U	4050	113	49-106	F
Butyl benzyl phthalate	3580	33 U	3990	111	49-117	
Bis(2-ethylhexyl) phthalate	3580	120 U	3960	111	49-119	
Di-n-octyl phthalate	3580	23 U	3290	92	40-106	
Indeno[1,2,3-cd]pyrene	3580	6.6 U	3430	96	43-109	
Dibenz(a,h)anthracene	3580	4.5 U	3620	101	43-107	
3,3'-Dichlorobenzidine	3580	120 U	3250	91	24-105	
1,2,4,5-Tetrachlorobenzene	3580	48 U	3300	92	70-130	
2,3,4,6-Tetrachlorophenol	3580	46 U	2680	75	70-130	

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.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: u77757.d
Lab ID: 460-41556-A-10-A MS DL Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Phenol	8590	5700 U	5700 U	0	54-115	F
2-Chlorophenol	8590	5600 U	5600 U	0	56-110	F
2-Methylphenol	8590	7300 U	7300 U	0	54-117	F
4-Methylphenol	8590	8400 U	8400 U	0	47-103	F
Benzaldehyde	4300	5000 U	5000 U	NC	10-160	
Acetophenone	4300	6600 U	6500 U	NC	40-95	
Bis (2-chloroethyl) ether	4300	580 U	580 U	0	44-101	F
2,2'-oxybis[1-chloropropane]	4300	4700 U	4700 U	NC	45-102	
N-Nitrosodi-n-propylamine	4300	710 U	710 U	0	42-107	F
Nitrobenzene	4300	610 U	610 U	0	42-106	F
Hexachloroethane	4300	470 U	470 U	0	45-90	F
Isophorone	4300	5200 U	5200 U	NC	48-97	
2-Nitrophenol	8590	4800 U	4800 U	0	55-101	F
2,4-Dimethylphenol	8590	11000 U	11000 U	NC	56-112	
2,4-Dichlorophenol	8590	6200 U	6200 U	0	58-115	F
Bis (2-chloroethoxy) methane	4300	5500 U	5500 U	NC	51-100	
Naphthalene	4300	4900 U	4900 U	NC	53-94	
4-Chloroaniline	4300	11000 U	11000 U	NC	10-96	
Hexachlorobutadiene	4300	1000 U	1000 U	0	45-98	F
Caprolactam	4300	9800 U	9800 U	NC	10-127	
4-Chloro-3-methylphenol	8590	6400 U	6400 U	0	55-117	F
2-Methylnaphthalene	4300	5500 U	5500 U	NC	51-98	
Hexachlorobenzene	4300	580 U	580 U	0	43-104	F
Hexachlorocyclopentadiene	4300	5000 U	5000 U	NC	24-98	
2,4,6-Trichlorophenol	8590	5000 U	5000 U	0	53-118	F
2,4,5-Trichlorophenol	8590	5500 U	5500 U	0	50-115	F
Diphenyl	4300	5700 U	5700 U	NC	50-105	
2-Chloronaphthalene	4300	4800 U	4800 U	NC	51-102	
2-Nitroaniline	4300	18000 U	18000 U	NC	51-109	
2,6-Dinitrotoluene	4300	1300 U	1300 U	0	51-115	F
Dimethyl phthalate	4300	5100 U	5100 U	NC	52-112	
Acenaphthylene	4300	5000 U	5000 U	NC	51-103	
3-Nitroaniline	4300	15000 U	15000 U	NC	32-104	
Acenaphthene	4300	6200 U	6200 U	NC	46-100	
4-Nitrophenol	8590	27000 U	27000 U	NC	45-114	
2,4-Dinitrophenol	8590	24000 U	24000 U	NC	10-129	
Dibenzofuran	4300	5000 U	5000 U	NC	52-106	
Diethyl phthalate	4300	5100 U	5100 U	NC	52-114	
Fluorene	4300	5500 U	5500 U	NC	51-108	
Fluoranthene	4300	5700 U	5700 U	NC	49-108	
Di-n-butyl phthalate	4300	5300 U	5300 U	NC	50-108	
2,4-Dinitrotoluene	4300	1400 U	1400 U	0	53-110	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.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: u77757.d
 Lab ID: 460-41556-A-10-A MS DL Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
4-Chlorophenyl phenyl ether	4300	5000 U	5000 U	NC	50-106	
4-Nitroaniline	4300	13000 U	13000 U	NC	45-106	
4,6-Dinitro-2-methylphenol	8590	12000 U	12000 U	NC	10-110	
4-Bromophenyl phenyl ether	4300	4200 U	4200 U	0	44-102	F
Atrazine	4300	6600 U	6600 U	NC	30-100	
Anthracene	4300	5200 U	5200 U	NC	50-107	
Carbazole	4300	5000 U	5000 U	NC	49-104	
Phenanthrene	4300	5400 U	5400 U	NC	48-108	
Pentachlorophenol	8590	13000 U	13000 U	NC	19-113	
Pyrene	4300	3600 U	3600 U	0	49-116	F
Chrysene	4300	5000 U	5000 U	NC	45-114	
Benzo[k]fluoranthene	4300	320 U	320 U	0	35-115	F
Benzo[g,h,i]perylene	4300	3200 U	3200 U	0	43-106	F
Benzo[b]fluoranthene	4300	270 U	270 U	0	33-96	F
Benzo[a]pyrene	4300	300 U	300 U	0	36-89	F
Benzo[a]anthracene	4300	300 U	300 U	0	46-112	F
N-Nitrosodiphenylamine	4300	4200 U	4200 U	0	49-106	F
Butyl benzyl phthalate	4300	3900 U	3900 U	0	49-117	F
Bis(2-ethylhexyl) phthalate	4300	530000	555000	585	49-119	4
Di-n-octyl phthalate	4300	20000 J	23800 J	95	40-106	4
Indeno[1,2,3-cd]pyrene	4300	790 U	790 U	0	43-109	F
Dibenz(a,h)anthracene	4300	540 U	540 U	0	43-107	F
3,3'-Dichlorobenzidine	4300	15000 U	15000 U	NC	24-105	
1,2,4,5-Tetrachlorobenzene	4300	5700 U	5700 U	NC	70-130	
2,3,4,6-Tetrachlorophenol	4300	5500 U	5500 U	NC	70-130	

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.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: z19103.d
Lab ID: 460-41546-21 MSD Client ID: F-12 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Phenol	7180	6050	84	2	30	54-115	
2-Chlorophenol	7180	6480	90	1	30	56-110	
2-Methylphenol	7180	6610	92	0	30	54-117	
4-Methylphenol	7180	6530	91	0	30	47-103	
Benzaldehyde	3590	1630	45	4	30	10-160	
Acetophenone	3590	3180	89	0	30	40-95	
Bis (2-chloroethyl) ether	3590	3090	86	1	30	44-101	
2,2'-oxybis[1-chloropropane]	3590	2780	78	1	30	45-102	
N-Nitrosodi-n-propylamine	3590	3490	97	3	30	42-107	
Nitrobenzene	3590	3250	91	1	30	42-106	
Hexachloroethane	3590	2980	83	0	30	45-90	
Isophorone	3590	3250	90	1	30	48-97	
2-Nitrophenol	7180	6740	94	1	30	55-101	
2,4-Dimethylphenol	7180	6660	93	1	30	56-112	
2,4-Dichlorophenol	7180	6360	89	1	30	58-115	
Bis (2-chloroethoxy) methane	3590	3460	96	1	30	51-100	
Naphthalene	3590	3310	92	0	30	53-94	
4-Chloroaniline	3590	2190	61	4	30	10-96	
Hexachlorobutadiene	3590	3160	88	2	30	45-98	
Caprolactam	3590	3190	89	8	30	10-127	
4-Chloro-3-methylphenol	7180	6850	95	2	30	55-117	
2-Methylnaphthalene	3590	3310	92	0	30	51-98	
Hexachlorobenzene	3590	3570	99	4	30	43-104	
Hexachlorocyclopentadiene	3590	2330	65	3	30	24-98	
2,4,6-Trichlorophenol	7180	6640	92	1	30	53-118	
2,4,5-Trichlorophenol	7180	6480	90	1	30	50-115	
Diphenyl	3590	3560	99	2	30	50-105	
2-Chloronaphthalene	3590	3440	96	2	30	51-102	
2-Nitroaniline	3590	3080	86	2	30	51-109	
2,6-Dinitrotoluene	3590	3540	99	1	30	51-115	
Dimethyl phthalate	3590	3540	99	1	30	52-112	
Acenaphthylene	3590	3360	94	1	30	51-103	
3-Nitroaniline	3590	2700	75	6	30	32-104	
Acenaphthene	3590	3480	97	2	30	46-100	
4-Nitrophenol	7180	5690	79	1	30	45-114	
2,4-Dinitrophenol	7180	499 J	7	13	30	10-129	F
Dibenzofuran	3590	3330	93	2	30	52-106	
Diethyl phthalate	3590	3400	95	2	30	52-114	
Fluorene	3590	3390	94	1	30	51-108	
Fluoranthene	3590	3260	91	2	30	49-108	
Di-n-butyl phthalate	3590	3490	97	0	30	50-108	
2,4-Dinitrotoluene	3590	3360	94	3	30	53-110	

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.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: z19103.d
Lab ID: 460-41546-21 MSD Client ID: F-12 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
4-Chlorophenyl phenyl ether	3590	3420	95	2	30	50-106	
4-Nitroaniline	3590	2960	83	21	30	45-106	
4,6-Dinitro-2-methylphenol	7180	1490	21	9	30	10-110	
4-Bromophenyl phenyl ether	3590	3620	101	6	30	44-102	
Atrazine	3590	2620	73	1	30	30-100	
Anthracene	3590	3430	96	3	30	50-107	
Carbazole	3590	3400	95	0	30	49-104	
Phenanthrene	3590	3560	99	2	30	48-108	
Pentachlorophenol	7180	3690	51	14	30	19-113	
Pyrene	3590	3660	102	4	30	49-116	
Chrysene	3590	3470	97	9	30	45-114	
Benzo[k]fluoranthene	3590	3140	87	2	30	35-115	
Benzo[g,h,i]perylene	3590	3970	111	3	30	43-106	F
Benzo[b]fluoranthene	3590	3130	87	2	30	33-96	
Benzo[a]pyrene	3590	3420	95	1	30	36-89	F
Benzo[a]anthracene	3590	3550	99	2	30	46-112	
N-Nitrosodiphenylamine	3590	3850	107	5	30	49-106	F
Butyl benzyl phthalate	3590	3830	107	4	30	49-117	
Bis(2-ethylhexyl) phthalate	3590	3840	107	3	30	49-119	
Di-n-octyl phthalate	3590	3290	92	0	30	40-106	
Indeno[1,2,3-cd]pyrene	3590	3300	92	4	30	43-109	
Dibenz(a,h)anthracene	3590	3590	100	1	30	43-107	
3,3'-Dichlorobenzidine	3590	3000	83	8	30	24-105	
1,2,4,5-Tetrachlorobenzene	3590	3210	89	3	30	70-130	
2,3,4,6-Tetrachlorophenol	3590	2710	76	1	30	70-130	

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.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: u77758.d
Lab ID: 460-41556-A-10-B MSD DL Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Phenol	8580	5700 U	0	NC	30	54-115	F
2-Chlorophenol	8580	5600 U	0	NC	30	56-110	F
2-Methylphenol	8580	7300 U	0	NC	30	54-117	F
4-Methylphenol	8580	8400 U	0	NC	30	47-103	F
Benzaldehyde	4290	5000 U	NC	NC	30	10-160	
Acetophenone	4290	6500 U	NC	NC	30	40-95	
Bis (2-chloroethyl) ether	4290	580 U	0	NC	30	44-101	F
2,2'-oxybis[1-chloropropane]	4290	4700 U	NC	NC	30	45-102	
N-Nitrosodi-n-propylamine	4290	710 U	0	NC	30	42-107	F
Nitrobenzene	4290	600 U	0	NC	30	42-106	F
Hexachloroethane	4290	470 U	0	NC	30	45-90	F
Isophorone	4290	5200 U	NC	NC	30	48-97	
2-Nitrophenol	8580	4700 U	0	NC	30	55-101	F
2,4-Dimethylphenol	8580	11000 U	NC	NC	30	56-112	
2,4-Dichlorophenol	8580	6200 U	0	NC	30	58-115	F
Bis (2-chloroethoxy) methane	4290	5500 U	NC	NC	30	51-100	
Naphthalene	4290	4900 U	NC	NC	30	53-94	
4-Chloroaniline	4290	11000 U	NC	NC	30	10-96	
Hexachlorobutadiene	4290	1000 U	0	NC	30	45-98	F
Caprolactam	4290	9800 U	NC	NC	30	10-127	
4-Chloro-3-methylphenol	8580	6400 U	0	NC	30	55-117	F
2-Methylnaphthalene	4290	5500 U	NC	NC	30	51-98	
Hexachlorobenzene	4290	580 U	0	NC	30	43-104	F
Hexachlorocyclopentadiene	4290	5000 U	NC	NC	30	24-98	
2,4,6-Trichlorophenol	8580	5000 U	0	NC	30	53-118	F
2,4,5-Trichlorophenol	8580	5500 U	0	NC	30	50-115	F
Diphenyl	4290	5700 U	NC	NC	30	50-105	
2-Chloronaphthalene	4290	4700 U	NC	NC	30	51-102	
2-Nitroaniline	4290	18000 U	NC	NC	30	51-109	
2,6-Dinitrotoluene	4290	1300 U	0	NC	30	51-115	F
Dimethyl phthalate	4290	5000 U	NC	NC	30	52-112	
Acenaphthylene	4290	5000 U	NC	NC	30	51-103	
3-Nitroaniline	4290	15000 U	NC	NC	30	32-104	
Acenaphthene	4290	6200 U	NC	NC	30	46-100	
4-Nitrophenol	8580	27000 U	NC	NC	30	45-114	
2,4-Dinitrophenol	8580	24000 U	NC	NC	30	10-129	
Dibenzofuran	4290	5000 U	NC	NC	30	52-106	
Diethyl phthalate	4290	5100 U	NC	NC	30	52-114	
Fluorene	4290	5400 U	NC	NC	30	51-108	
Fluoranthene	4290	5700 U	NC	NC	30	49-108	
Di-n-butyl phthalate	4290	5300 U	NC	NC	30	50-108	
2,4-Dinitrotoluene	4290	1400 U	0	NC	30	53-110	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.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: u77758.d
Lab ID: 460-41556-A-10-B MSD DL Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
4-Chlorophenyl phenyl ether	4290	5000 U	NC	NC	30	50-106	
4-Nitroaniline	4290	13000 U	NC	NC	30	45-106	
4,6-Dinitro-2-methylphenol	8580	12000 U	NC	NC	30	10-110	
4-Bromophenyl phenyl ether	4290	4200 U	0	NC	30	44-102	F
Atrazine	4290	6600 U	NC	NC	30	30-100	
Anthracene	4290	5200 U	NC	NC	30	50-107	
Carbazole	4290	5000 U	NC	NC	30	49-104	
Phenanthrene	4290	5400 U	NC	NC	30	48-108	
Pentachlorophenol	8580	13000 U	NC	NC	30	19-113	
Pyrene	4290	3600 U	0	NC	30	49-116	F
Chrysene	4290	5000 U	NC	NC	30	45-114	
Benzo[k]fluoranthene	4290	320 U	0	NC	30	35-115	F
Benzo[g,h,i]perylene	4290	3200 U	0	NC	30	43-106	F
Benzo[b]fluoranthene	4290	270 U	0	NC	30	33-96	F
Benzo[a]pyrene	4290	300 U	0	NC	30	36-89	F
Benzo[a]anthracene	4290	300 U	0	NC	30	46-112	F
N-Nitrosodiphenylamine	4290	4200 U	0	NC	30	49-106	F
Butyl benzyl phthalate	4290	3900 U	0	NC	30	49-117	F
Bis(2-ethylhexyl) phthalate	4290	555000	582	0	30	49-119	4
Di-n-octyl phthalate	4290	18300 J	-33	26	30	40-106	4
Indeno[1,2,3-cd]pyrene	4290	790 U	0	NC	30	43-109	F
Dibenz(a,h)anthracene	4290	540 U	0	NC	30	43-107	F
3,3'-Dichlorobenzidine	4290	15000 U	NC	NC	30	24-105	
1,2,4,5-Tetrachlorobenzene	4290	5700 U	NC	NC	30	70-130	
2,3,4,6-Tetrachlorophenol	4290	5500 U	NC	NC	30	70-130	

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.: 460-41546-1
SDG No.: _____
Lab File ID: z19062.d Lab Sample ID: MB 460-117106/1-A
Matrix: Solid Date Extracted: 06/22/2012 08:49
Instrument ID: BNAMS11 Date Analyzed: 06/26/2012 10:02
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-117106/2-A	z19063.d	06/26/2012 10:26
F-9	460-41546-18	z19064.d	06/26/2012 10:49
F-10	460-41546-19	z19065.d	06/26/2012 11:13
F-12	460-41546-21	z19066.d	06/26/2012 11:36
F-8	460-41546-17	z19075.d	06/26/2012 15:08
F-12 MS	460-41546-21 MS	z19102.d	06/27/2012 14:49
F-12 MSD	460-41546-21 MSD	z19103.d	06/27/2012 15:13

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Lab File ID: u77720.d Lab Sample ID: MB 460-117111/1-A
Matrix: Solid Date Extracted: 06/22/2012 08:58
Instrument ID: BNAMS4 Date Analyzed: 06/25/2012 13:42
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
F-11	460-41546-20	u77722.d	06/25/2012 14:45
FB-E	460-41546-23	u77723.d	06/25/2012 15:06
	LCS 460-117111/2-A	u77724.d	06/25/2012 15:26
F-13	460-41546-22	u77744.d	06/25/2012 22:11
	460-41556-A-10-A MS DL	u77757.d	06/26/2012 10:51
	460-41556-A-10-B MSD DL	u77758.d	06/26/2012 11:11

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Lab File ID: z19012.d DFTPP Injection Date: 06/24/2012
Instrument ID: BNAMS11 DFTPP Injection Time: 23:35
Analysis Batch No.: 117458

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	46.5
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	45.2
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	55.2
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	6.0
275	10.0 - 30.0 % of mass 198	26.3
365	Greater than 1.0 % of mass 198	3.9
441	Present but less than mass 443	12.0 (77.4) 1
442	Greater than 40.0 % of mass 198	82.3
443	17.0 - 23.0 % of mass 442	15.5 (18.9) 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 460-117458/2	z19013.d	06/24/2012	23:52
	IC 460-117458/3	z19014.d	06/25/2012	00:16
	IC 460-117458/4	z19015.d	06/25/2012	00:39
	IC 460-117458/5	z19016.d	06/25/2012	01:03
	IC 460-117458/6	z19017.d	06/25/2012	01:26
	IC 460-117458/7	z19018.d	06/25/2012	01:50

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Lab File ID: z19058.d DFTPP Injection Date: 06/26/2012
Instrument ID: BNAMS11 DFTPP Injection Time: 08:16
Analysis Batch No.: 117976

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	47.9
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	45.3
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	54.3
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	25.6
365	Greater than 1.0 % of mass 198	4.1
441	Present but less than mass 443	11.5 (72.9) 1
442	Greater than 40.0 % of mass 198	83.1
443	17.0 - 23.0 % of mass 442	15.8 (19.0) 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 460-117976/2	z19059.d	06/26/2012	08:41
	MB 460-117106/1-A	z19062.d	06/26/2012	10:02
	LCS 460-117106/2-A	z19063.d	06/26/2012	10:26
F-9	460-41546-18	z19064.d	06/26/2012	10:49
F-10	460-41546-19	z19065.d	06/26/2012	11:13
F-12	460-41546-21	z19066.d	06/26/2012	11:36
F-8	460-41546-17	z19075.d	06/26/2012	15:08

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Lab File ID: z19087.d DFTPP Injection Date: 06/27/2012
Instrument ID: BNAMS11 DFTPP Injection Time: 08:49
Analysis Batch No.: 117977

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	49.0
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	48.2
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	57.0
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	25.7
365	Greater than 1.0 % of mass 198	4.3
441	Present but less than mass 443	11.6 (75.0) 1
442	Greater than 40.0 % of mass 198	79.8
443	17.0 - 23.0 % of mass 442	15.5 (19.5) 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 460-117977/2	z19088.d	06/27/2012	09:04
F-12 MS	460-41546-21 MS	z19102.d	06/27/2012	14:49
F-12 MSD	460-41546-21 MSD	z19103.d	06/27/2012	15:13

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Lab File ID: u77565.d DFTPP Injection Date: 06/20/2012
Instrument ID: BNAMS4 DFTPP Injection Time: 15:28
Analysis Batch No.: 116906

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	53.1
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	70.6
70	Less than 2.0 % of mass 69	0.3 (0.4) 1
127	40.0 - 60.0 % of mass 198	48.0
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	7.3
275	10.0 - 30.0 % of mass 198	20.6
365	Greater than 1.0 % of mass 198	2.8
441	Present but less than mass 443	9.2 (76.7) 1
442	Greater than 40.0 % of mass 198	59.0
443	17.0 - 23.0 % of mass 442	12.0 (20.4) 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 460-116906/2	u77566.d	06/20/2012	15:47
	IC 460-116906/3	u77567.d	06/20/2012	16:22
	IC 460-116906/4	u77568.d	06/20/2012	16:42
	IC 460-116906/5	u77569.d	06/20/2012	17:03
	IC 460-116906/6	u77570.d	06/20/2012	17:23
	IC 460-116906/7	u77571.d	06/20/2012	17:43

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Lab File ID: u77717.d DFTPP Injection Date: 06/25/2012
Instrument ID: BNAMS4 DFTPP Injection Time: 12:38
Analysis Batch No.: 117489

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	58.8
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	72.6
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	50.1
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	6.9
275	10.0 - 30.0 % of mass 198	19.1
365	Greater than 1.0 % of mass 198	2.6
441	Present but less than mass 443	8.3 (80.4) 1
442	Greater than 40.0 % of mass 198	52.1
443	17.0 - 23.0 % of mass 442	10.4 (19.9) 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 460-117489/2	u77718.d	06/25/2012	12:56
	MB 460-117111/1-A	u77720.d	06/25/2012	13:42
F-11	460-41546-20	u77722.d	06/25/2012	14:45
FB-E	460-41546-23	u77723.d	06/25/2012	15:06
	LCS 460-117111/2-A	u77724.d	06/25/2012	15:26
F-13	460-41546-22	u77744.d	06/25/2012	22:11

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Lab File ID: u77749.d DFTPP Injection Date: 06/26/2012
Instrument ID: BNAMS4 DFTPP Injection Time: 07:37
Analysis Batch No.: 117507

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	53.9
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	69.2
70	Less than 2.0 % of mass 69	0.1 (0.2) 1
127	40.0 - 60.0 % of mass 198	49.2
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	6.5
275	10.0 - 30.0 % of mass 198	19.5
365	Greater than 1.0 % of mass 198	2.6
441	Present but less than mass 443	8.3 (80.5) 1
442	Greater than 40.0 % of mass 198	53.6
443	17.0 - 23.0 % of mass 442	10.3 (19.2) 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 460-117507/2	u77750.d	06/26/2012	08:05
	460-41556-A-10-A MS DL	u77757.d	06/26/2012	10:51
	460-41556-A-10-B MSD DL	u77758.d	06/26/2012	11:11

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Sample No.: CCVIS 460-117976/2 Date Analyzed: 06/26/2012 08:41
 Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): z19059.d Heated Purge: (Y/N) N
 Calibration ID: 16145

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		238216	3.41	911399	4.71	426122	6.46
UPPER LIMIT		476432	3.91	1822798	5.21	852244	6.96
LOWER LIMIT		119108	2.91	455700	4.21	213061	5.96
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 460-117106/1-A		252740	3.40	1007225	4.70	518730	6.45
LCS 460-117106/2-A		295231	3.41	1131064	4.71	548230	6.46
460-41546-18	F-9	263135	3.41	1051971	4.70	538544	6.46
460-41546-19	F-10	248903	3.40	975807	4.70	490106	6.45
460-41546-21	F-12	263897	3.41	1055238	4.70	537987	6.46
460-41546-17	F-8	234927	3.41	899717	4.70	408639	6.46

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.: 460-41546-1
 SDG No.: _____
 Sample No.: CCVIS 460-117976/2 Date Analyzed: 06/26/2012 08:41
 Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): z19059.d Heated Purge: (Y/N) N
 Calibration ID: 16145

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	538487	7.90	229505	10.47	132736	12.10
UPPER LIMIT	1076974	8.40	459010	10.97	265472	12.60
LOWER LIMIT	269244	7.40	114753	9.97	66368	11.60
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 460-117106/1-A		725402	7.89	362143	10.47	235050 12.10
LCS 460-117106/2-A		690004	7.90	298744	10.47	186861 12.10
460-41546-18	F-9	741347	7.89	364411	10.47	228442 12.10
460-41546-19	F-10	644022	7.89	278794	10.47	178715 12.10
460-41546-21	F-12	719748	7.89	342286	10.47	218229 12.10
460-41546-17	F-8	465765	7.89	165231	10.47	118666 12.10

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Sample No.: CCVIS 460-117977/2 Date Analyzed: 06/27/2012 09:04
Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)
Lab File ID (Standard): z19088.d Heated Purge: (Y/N) N
Calibration ID: 16145

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	215431	3.39	813038	4.70	375508	6.44
UPPER LIMIT	430862	3.89	1626076	5.20	751016	6.94
LOWER LIMIT	107716	2.89	406519	4.20	187754	5.94
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-41546-21 MS	F-12 MS	277703	3.39	1032646	4.70	450943 6.44
460-41546-21 MSD	F-12 MSD	270225	3.39	1013230	4.70	455943 6.44

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.: 460-41546-1
SDG No.: _____
Sample No.: CCVIS 460-117977/2 Date Analyzed: 06/27/2012 09:04
Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)
Lab File ID (Standard): z19088.d Heated Purge: (Y/N) N
Calibration ID: 16145

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	453260	7.88	197493	10.46	120962	12.08
UPPER LIMIT	906520	8.38	394986	10.96	241924	12.58
LOWER LIMIT	226630	7.38	98747	9.96	60481	11.58
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-41546-21 MS	F-12 MS		497927	7.88	195692	10.45
460-41546-21 MSD	F-12 MSD		535896	7.88	222327	10.45
					152265	12.08
					162289	12.08

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Sample No.: CCVIS 460-117489/2 Date Analyzed: 06/25/2012 12:56
 Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): u77718.d Heated Purge: (Y/N) N
 Calibration ID: 16112

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	150608	3.71	619962	5.01	356427	6.77
UPPER LIMIT	301216	4.21	1239924	5.51	712854	7.27
LOWER LIMIT	75304	3.21	309981	4.51	178214	6.27
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 460-117111/1-A		91181	3.70	366653	5.00	253570 6.76
460-41546-20	F-11	93261	3.70	378445	5.00	272946 6.76
460-41546-23	FB-E	101614	3.70	376032	5.01	278290 6.77
LCS 460-117111/2-A		138782	3.70	558250	5.01	377279 6.77
460-41546-22	F-13	97828	3.70	376481	5.00	263597 6.76

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.: 460-41546-1
 SDG No.: _____
 Sample No.: CCVIS 460-117489/2 Date Analyzed: 06/25/2012 12:56
 Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): u77718.d Heated Purge: (Y/N) N
 Calibration ID: 16112

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		508443	8.23	341693	10.87	214001	12.61
UPPER LIMIT		1016886	8.73	683386	11.37	428002	13.11
LOWER LIMIT		254222	7.73	170847	10.37	107001	12.11
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 460-117111/1-A		472796	8.22	424373	10.86	344610	12.62
460-41546-20		F-11	477341	8.22	313976	10.86	242900
460-41546-23		FB-E	530215	8.22	368785	10.86	282142
LCS 460-117111/2-A			611612	8.23	436298	10.87	318811
460-41546-22		F-13	420518	8.22	241203	10.86	190102

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Sample No.: CCVIS 460-117507/2 Date Analyzed: 06/26/2012 08:05
Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm)
Lab File ID (Standard): u77750.d Heated Purge: (Y/N) N
Calibration ID: 16112

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		124090	3.69	490927	5.00	277709	6.76
UPPER LIMIT		248180	4.19	981854	5.50	555418	7.26
LOWER LIMIT		62045	3.19	245464	4.50	138855	6.26
LAB SAMPLE ID		CLIENT SAMPLE ID					
460-41556-A-10-A MS DL		102398	3.69	396049	4.99	271633	6.75
460-41556-A-10-B MSD DL		130185	3.69	495279	4.99	316164	6.75

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.: 460-41546-1
 SDG No.: _____
 Sample No.: CCVIS 460-117507/2 Date Analyzed: 06/26/2012 08:05
 Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): u77750.d Heated Purge: (Y/N) N
 Calibration ID: 16112

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	457780	8.21	331449	10.85	237254	12.59
UPPER LIMIT	915560	8.71	662898	11.35	474508	13.09
LOWER LIMIT	228890	7.71	165725	10.35	118627	12.09
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-41556-A-10-A MS DL	416055	8.21	317699	10.84	254011	12.59
460-41556-A-10-B MSD DL	471221	8.21	314421	10.84	258059	12.59

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>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-8</u>	Lab Sample ID: <u>460-41546-17</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z19075.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 13:05</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:49</u>
Sample wt/vol: <u>14.99(g)</u>	Date Analyzed: <u>06/26/2012 15:08</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117976</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	49	U	360	49
95-57-8	2-Chlorophenol	48	U	360	48
95-48-7	2-Methylphenol	62	U	360	62
106-44-5	4-Methylphenol	72	U	360	72
100-52-7	Benzaldehyde	43	U	360	43
98-86-2	Acetophenone	56	U	360	56
111-44-4	Bis(2-chloroethyl) ether	5.0	U	36	5.0
108-60-1	2,2'-oxybis[1-chloropropane]	40	U	360	40
621-64-7	N-Nitrosodi-n-propylamine	6.1	U	36	6.1
98-95-3	Nitrobenzene	5.2	U	36	5.2
67-72-1	Hexachloroethane	4.1	U	36	4.1
78-59-1	Isophorone	44	U	360	44
88-75-5	2-Nitrophenol	41	U	360	41
105-67-9	2,4-Dimethylphenol	90	U	360	90
120-83-2	2,4-Dichlorophenol	53	U	360	53
111-91-1	Bis(2-chloroethoxy)methane	47	U	360	47
91-20-3	Naphthalene	42	U	360	42
106-47-8	4-Chloroaniline	96	U	360	96
87-68-3	Hexachlorobutadiene	8.9	U	74	8.9
105-60-2	Caprolactam	84	U	360	84
59-50-7	4-Chloro-3-methylphenol	55	U	360	55
91-57-6	2-Methylnaphthalene	47	U	360	47
118-74-1	Hexachlorobenzene	5.0	U	36	5.0
77-47-4	Hexachlorocyclopentadiene	43	U	360	43
88-06-2	2,4,6-Trichlorophenol	43	U	360	43
95-95-4	2,4,5-Trichlorophenol	47	U	360	47
92-52-4	Diphenyl	49	U	360	49
91-58-7	2-Chloronaphthalene	41	U	360	41
88-74-4	2-Nitroaniline	150	U	740	150
606-20-2	2,6-Dinitrotoluene	11	U	74	11
131-11-3	Dimethyl phthalate	43	U	360	43
208-96-8	Acenaphthylene	43	U	360	43
99-09-2	3-Nitroaniline	130	U	740	130
83-32-9	Acenaphthene	53	U	360	53

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-8</u>	Lab Sample ID: <u>460-41546-17</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z19075.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 13:05</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:49</u>
Sample wt/vol: <u>14.99(g)</u>	Date Analyzed: <u>06/26/2012 15:08</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117976</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	230	U	1100	230
51-28-5	2,4-Dinitrophenol	210	U	1100	210
132-64-9	Dibenzofuran	43	U	360	43
84-66-2	Diethyl phthalate	43	U	360	43
86-73-7	Fluorene	47	U	360	47
206-44-0	Fluoranthene	110	J	360	49
84-74-2	Di-n-butyl phthalate	45	U	360	45
121-14-2	2,4-Dinitrotoluene	12	U	74	12
7005-72-3	4-Chlorophenyl phenyl ether	43	U	360	43
100-01-6	4-Nitroaniline	110	U	740	110
534-52-1	4,6-Dinitro-2-methylphenol	99	U	1100	99
101-55-3	4-Bromophenyl phenyl ether	36	U	360	36
1912-24-9	Atrazine	56	U	360	56
120-12-7	Anthracene	44	U	360	44
86-74-8	Carbazole	43	U	360	43
85-01-8	Phenanthrene	49	J	360	46
87-86-5	Pentachlorophenol	110	U	1100	110
129-00-0	Pyrene	130	J	360	30
218-01-9	Chrysene	61	J	360	42
207-08-9	Benzo[k]fluoranthene	19	J	36	2.8
191-24-2	Benzo[g,h,i]perylene	27	U	360	27
205-99-2	Benzo[b]fluoranthene	43		36	2.3
50-32-8	Benzo[a]pyrene	9.1	J	36	2.6
56-55-3	Benzo[a]anthracene	30	J	36	2.5
86-30-6	N-Nitrosodiphenylamine	36	U	360	36
85-68-7	Butyl benzyl phthalate	33	U	360	33
117-81-7	Bis(2-ethylhexyl) phthalate	350	J	360	120
117-84-0	Di-n-octyl phthalate	23	U	360	23
193-39-5	Indeno[1,2,3-cd]pyrene	21	J	36	6.8
53-70-3	Dibenz(a,h)anthracene	4.6	U	36	4.6
91-94-1	3,3'-Dichlorobenzidine	130	U	740	130
95-94-3	1,2,4,5-Tetrachlorobenzene	49	U	360	49
58-90-2	2,3,4,6-Tetrachlorophenol	47	U	360	47
123-91-1	1,4-Dioxane	27	U	360	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-8 Lab Sample ID: 460-41546-17
Matrix: Solid Lab File ID: z19075.d
Analysis Method: 8270C Date Collected: 06/20/2012 13:05
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 14.99(g) Date Analyzed: 06/26/2012 15:08
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.1 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117976 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	69		38-105
4165-62-2	Phenol-d5	82		41-118
1718-51-0	Terphenyl-d14	98		16-151
118-79-6	2,4,6-Tribromophenol	56		10-120
367-12-4	2-Fluorophenol	72		37-125
321-60-8	2-Fluorobiphenyl	76		40-109

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-8 Lab Sample ID: 460-41546-17
Matrix: Solid Lab File ID: z19075.d
Analysis Method: 8270C Date Collected: 06/20/2012 13:05
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 14.99(g) Date Analyzed: 06/26/2012 15:08
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.1 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117976 Units: ug/Kg
Number TICs Found: 7 TIC Result Total: 4780

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown-1	11.72	420	J
	Unknown Alkane-1	11.97	680	J
	Unknown-2	12.59	420	J
	Unknown Alkane-2	12.84	680	J
	Unknown-3	13.53	1500	J
	Unknown Sterol	14.18	630	J
	Unknown-4	14.24	450	J

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19075.d
 Report Date: 01-Jul-2012 13:59

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19075.d
 Lab Smp Id: 460-41546-D-17-A Client Smp ID: F-8
 Inj Date : 26-JUN-2012 15:08
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-41546-D-17-A
 Misc Info : 460-41546-D-17-A
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/8270C_11.m
 Meth Date : 26-Jun-2012 09:07 croccom Quant Type: ISTD
 Cal Date : 25-JUN-2012 01:50 Cal File: z19018.d
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	14.99000	Weight of sample extracted (g)
M	9.10853	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN FINAL (ug/ml) (ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====
\$ 16 2-Fluorophenol (SUR)	112	2.226	2.179	(0.653)	558748	71.8289	5300
\$ 17 Phenol-d5 (SUR)	99	3.085	3.091	(0.905)	749873	81.8366	6000
* 79 1,4-Dichlorobenzene-d4	152	3.408	3.408	(1.000)	234927	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	3.979	3.996	(0.846)	287945	34.5439	2500
* 80 Naphthalene-d8	136	4.702	4.714	(1.000)	899717	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	5.808	5.820	(0.900)	542481	37.7748	2800
* 82 Acenaphthene-d10	164	6.455	6.461	(1.000)	408639	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.226	7.231	(1.119)	86421	55.7813	4100
115 n-Octadecane	57	7.861	7.867	(0.996)	1465	0.22158	16(a)
* 83 Phenanthrene-d10	188	7.890	7.896	(1.000)	465765	40.0000	
52 Phenanthrene	178	7.914	7.920	(1.003)	8513	0.66929	49(a)
56 Fluoranthene	202	9.061	9.067	(1.148)	15878	1.48815	110(a)
57 Pyrene	202	9.273	9.284	(0.886)	13453	1.72405	130(a)

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19075.d
 Report Date: 01-Jul-2012 13:59

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/ml)	(ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====
\$ 78 Terphenyl-d14	244	9.461	9.467	(0.904)	255252	49.1746	3600
61 Benzo(a)anthracene	228	10.461	10.461	(0.999)	2029	0.40362	30(a)
* 81 Chrysene-d12	240	10.467	10.472	(1.000)	165231	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.561	10.561	(1.009)	18841	4.80227	350(a)
62 Chrysene	228	10.490	10.502	(1.002)	3993	0.83155	61(a)
65 Benzo(b)fluoranthene	252	11.649	11.649	(0.963)	2382	0.59021	43
66 Benzo(k)fluoranthene	252	11.678	11.684	(0.965)	1173	0.25443	19(aM)
67 Benzo(a)pyrene	252	12.096	12.031	(1.000)	395	0.12399	9.1(a)
* 84 Perylene-d12	264	12.102	12.102	(1.000)	118666	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.402	13.402	(1.107)	761	0.28802	21(a)
70 Benzo(g,h,i)perylene	276	13.719	13.713	(1.134)	630	0.25241	18(a)

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: z19075.d

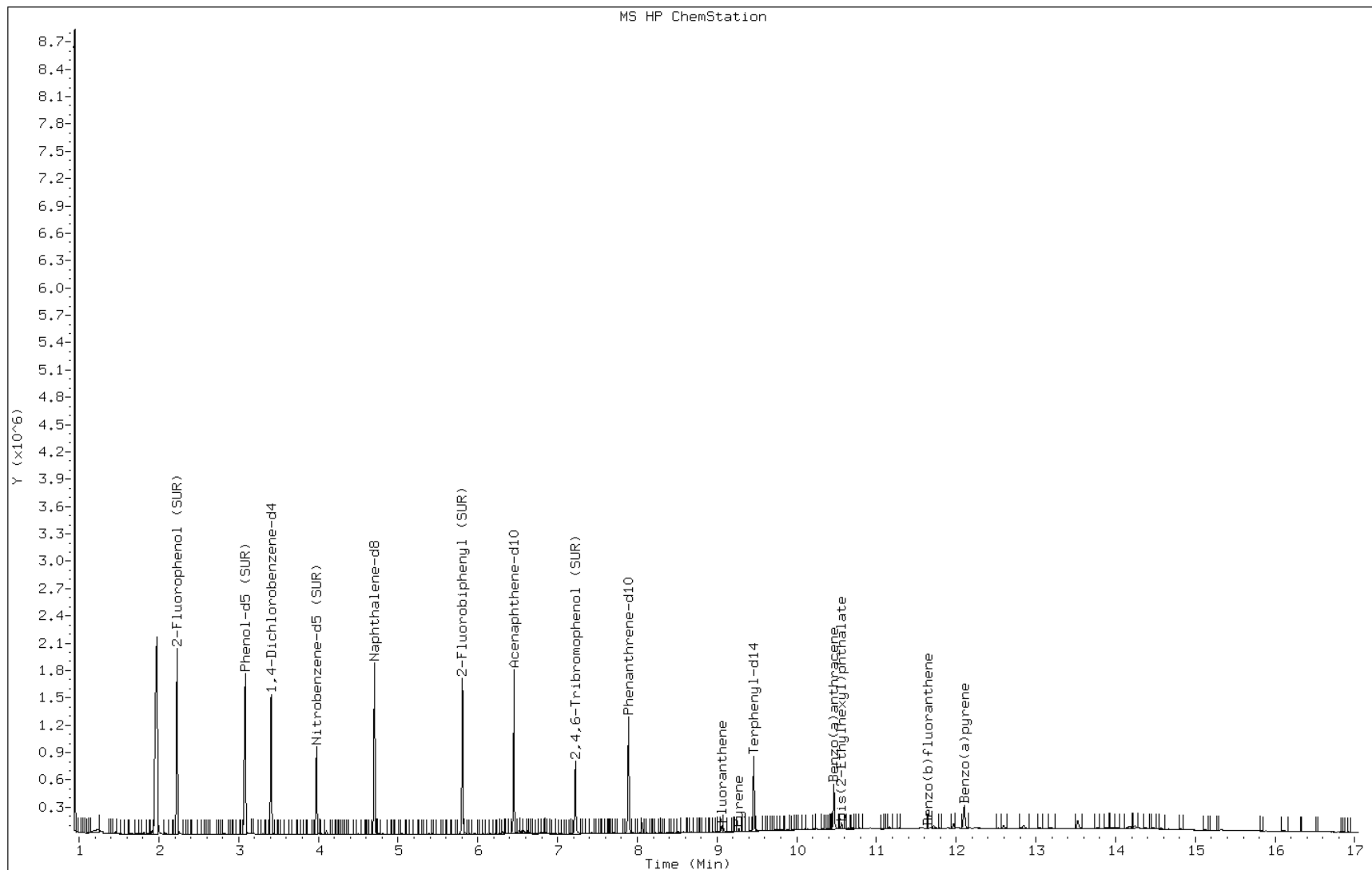
Date: 26-JUN-2012 15:08

Client ID: F-8

Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4



Data File: z19075.d

Date: 26-JUN-2012 15:08

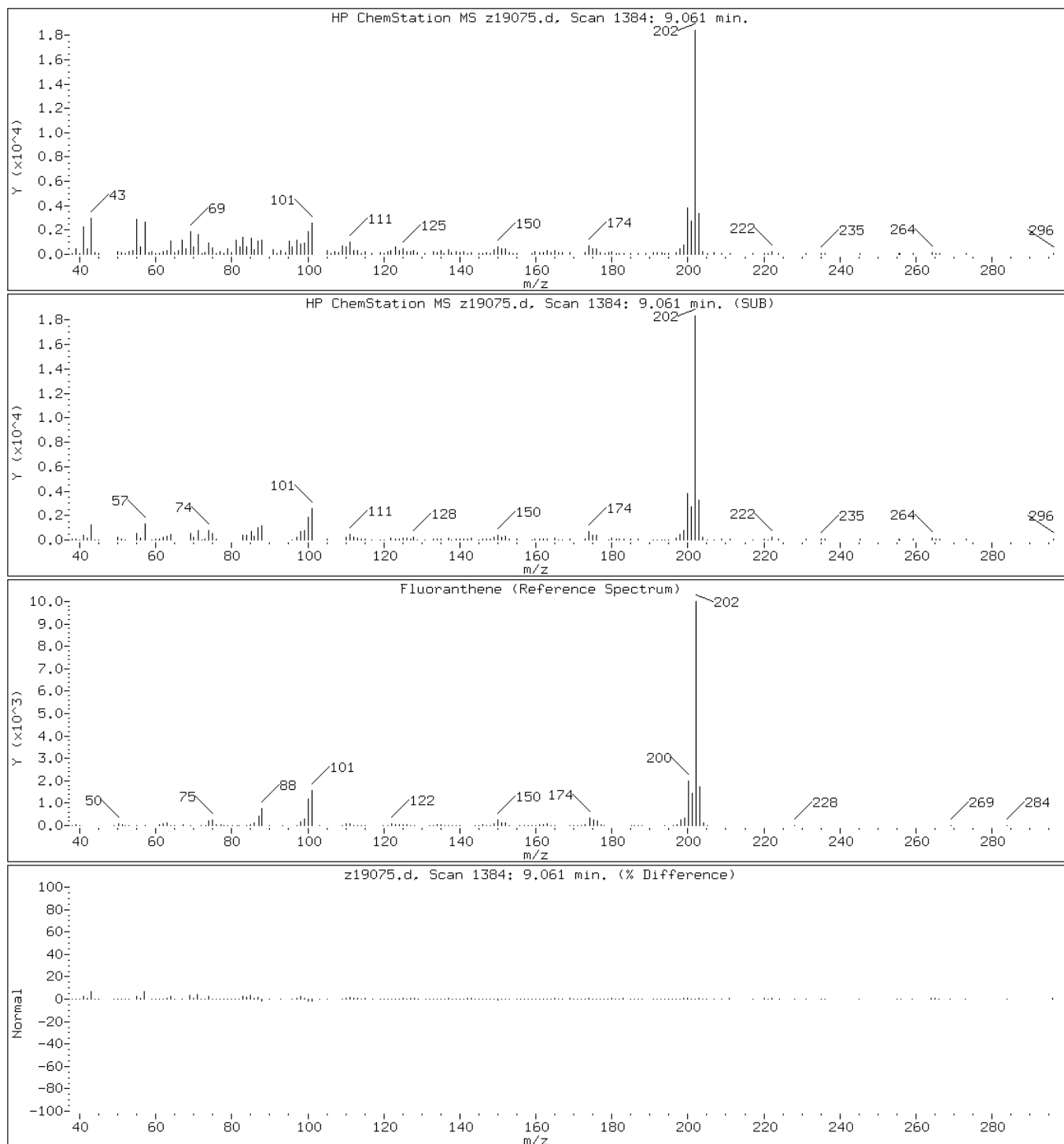
Client ID: F-8

Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

56 Fluoranthene



Data File: z19075.d

Date: 26-JUN-2012 15:08

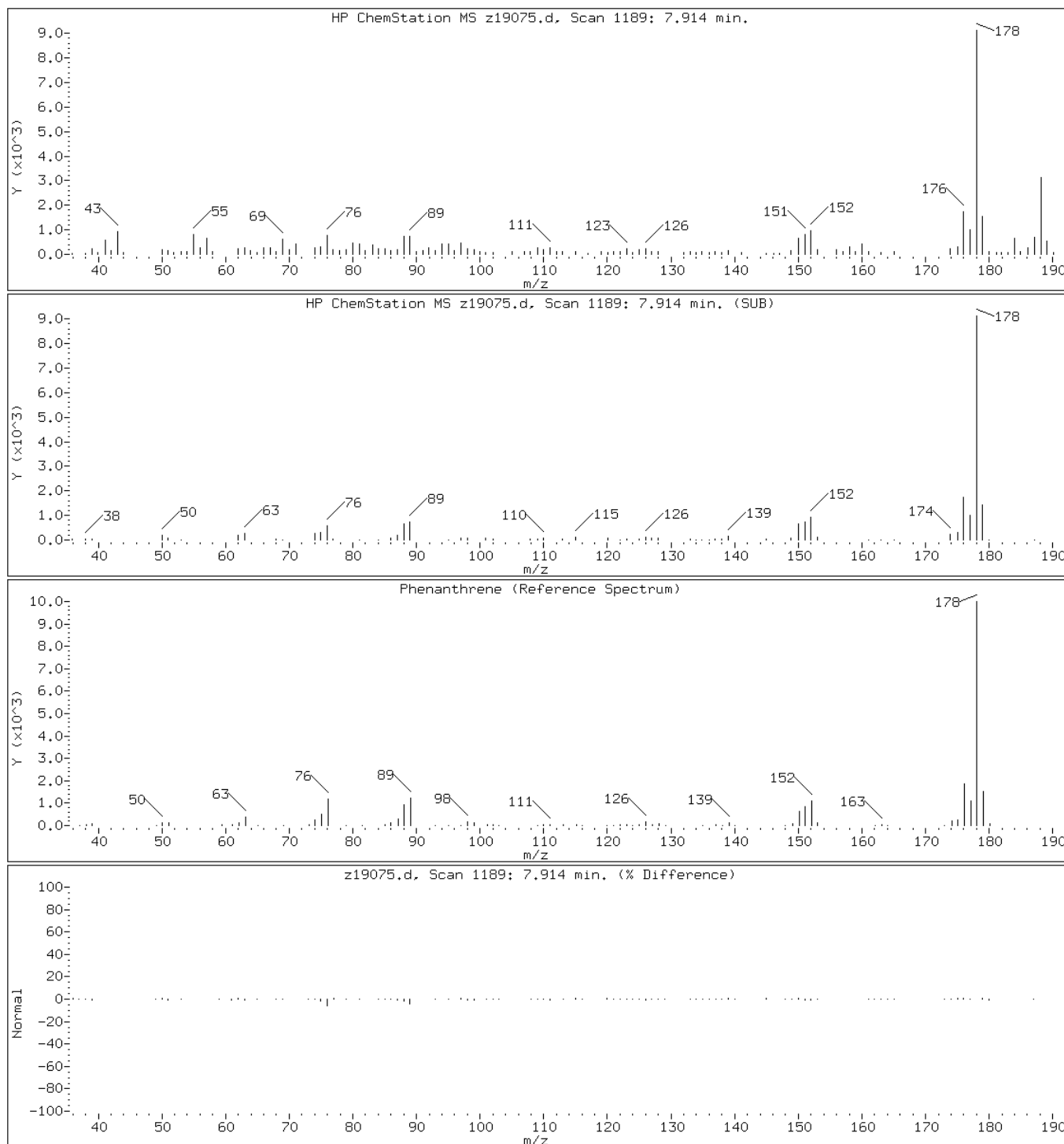
Client ID: F-8

Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

52 Phenanthrene



Data File: z19075.d

Date: 26-JUN-2012 15:08

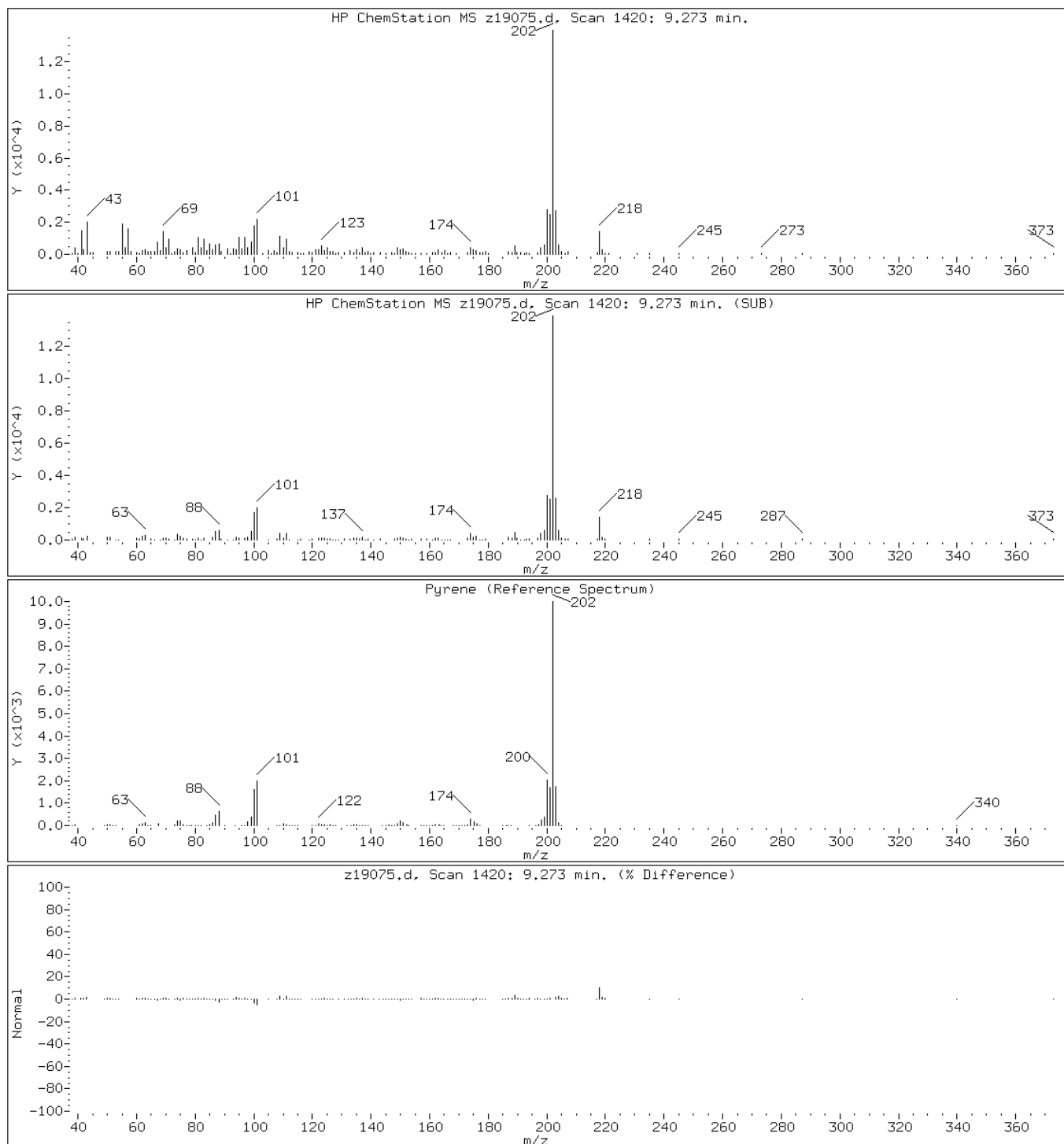
Client ID: F-8

Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

57 Pyrene



Data File: z19075.d

Date: 26-JUN-2012 15:08

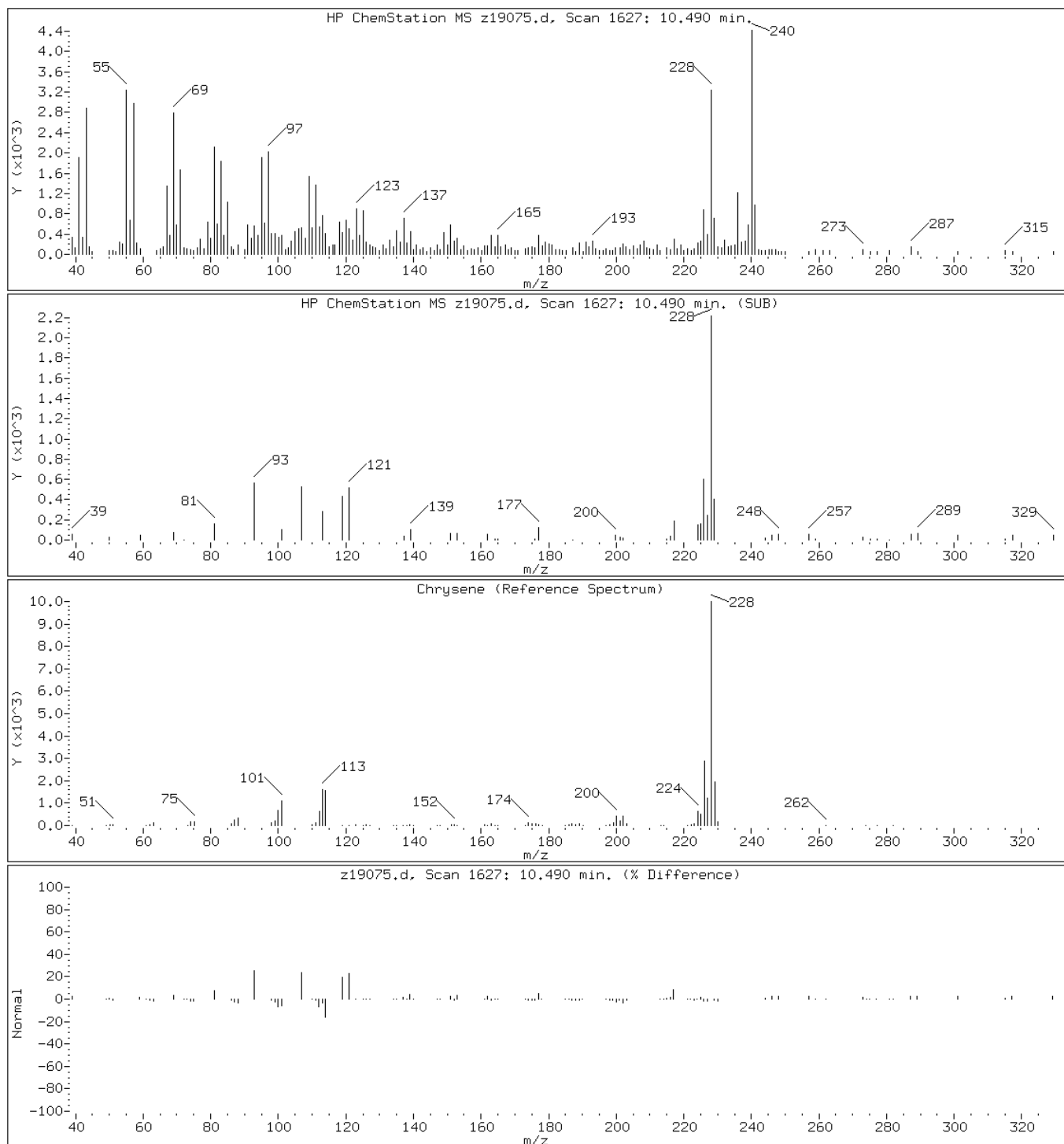
Client ID: F-8

Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

62 Chrysene



Data File: z19075.d

Date: 26-JUN-2012 15:08

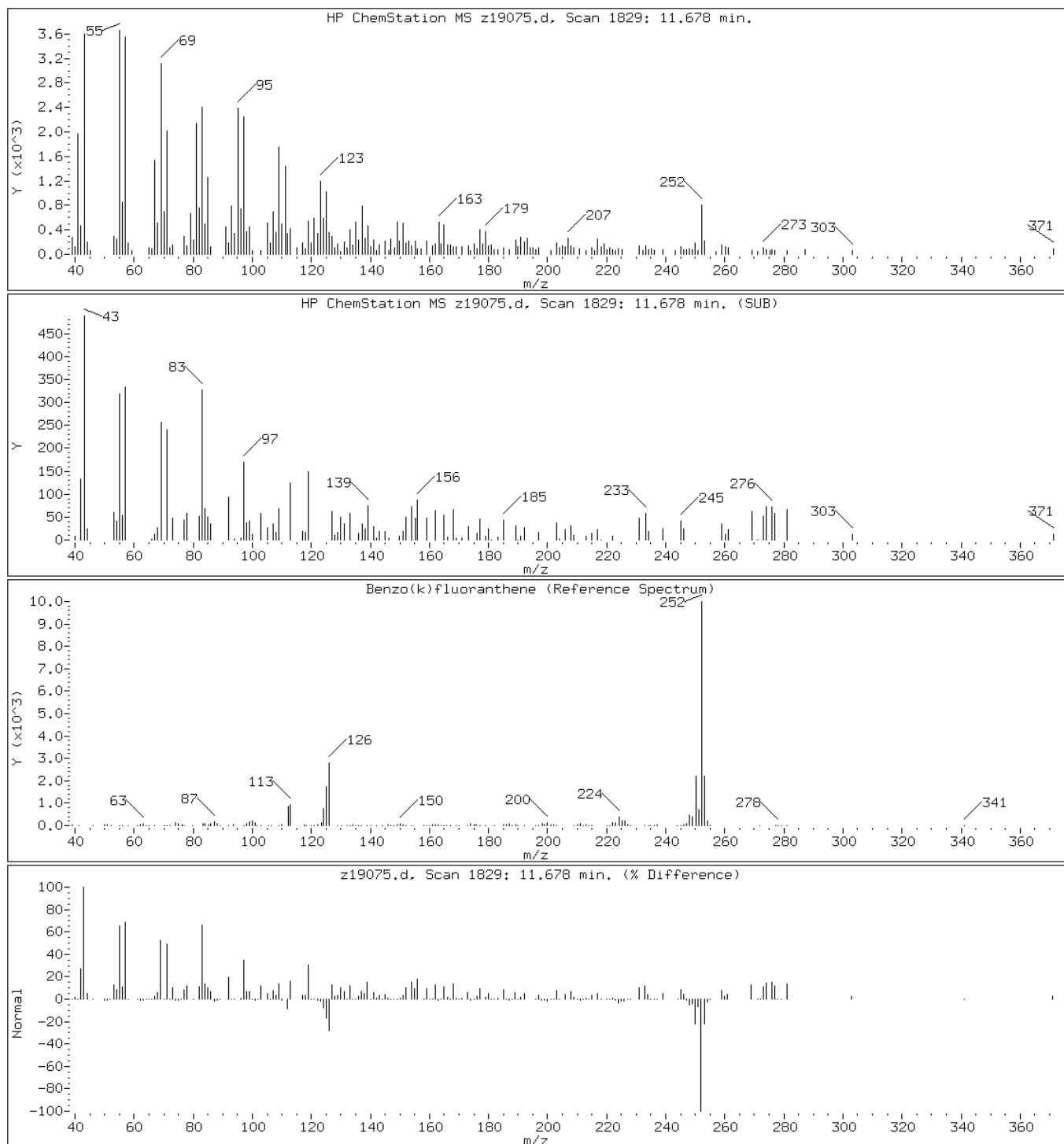
Client ID: F-8

Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

66 Benzo(k)fluoranthene



Data File: z19075.d

Date: 26-JUN-2012 15:08

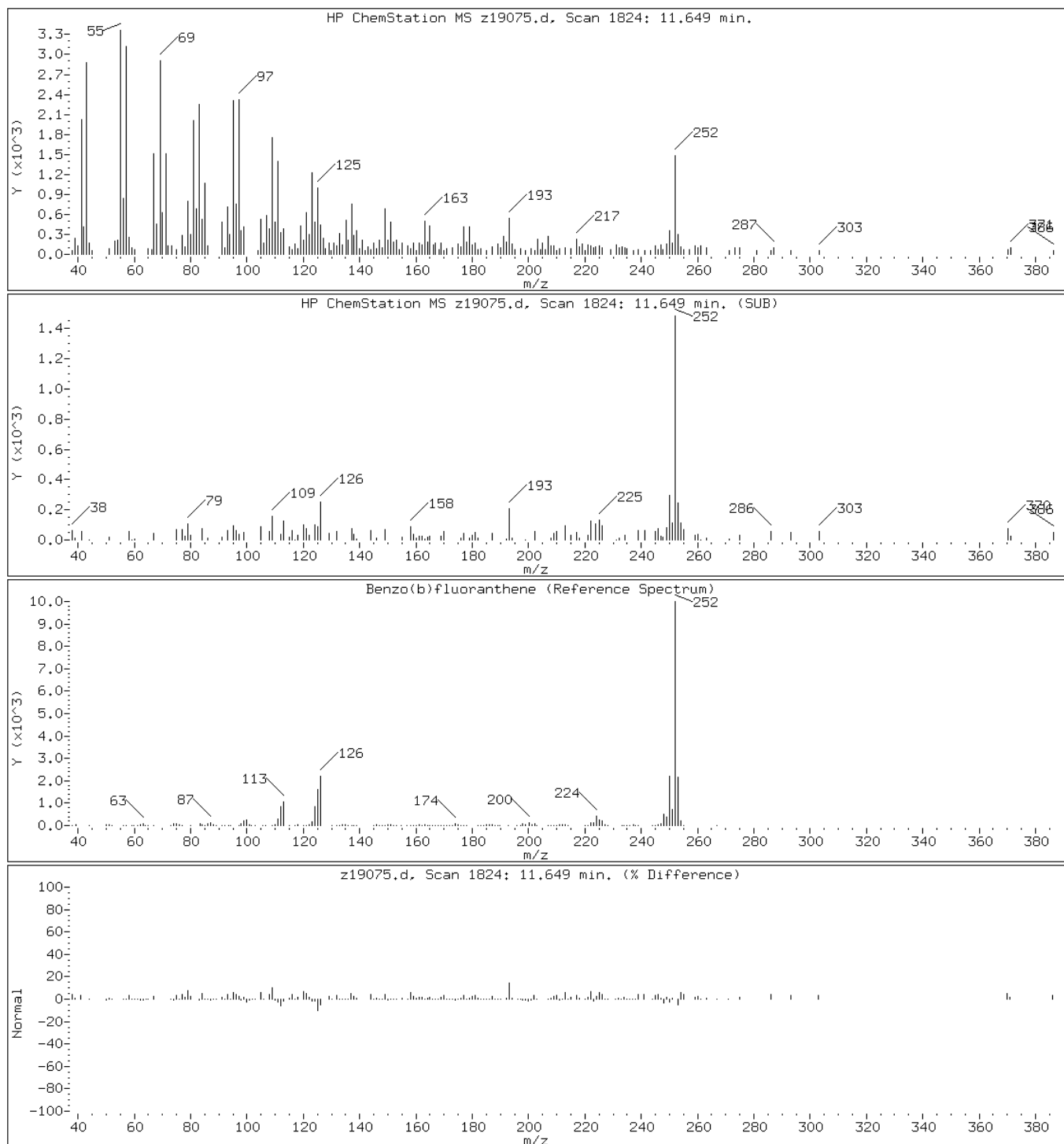
Client ID: F-8

Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

65 Benzo(b)fluoranthene



Data File: z19075.d

Date: 26-JUN-2012 15:08

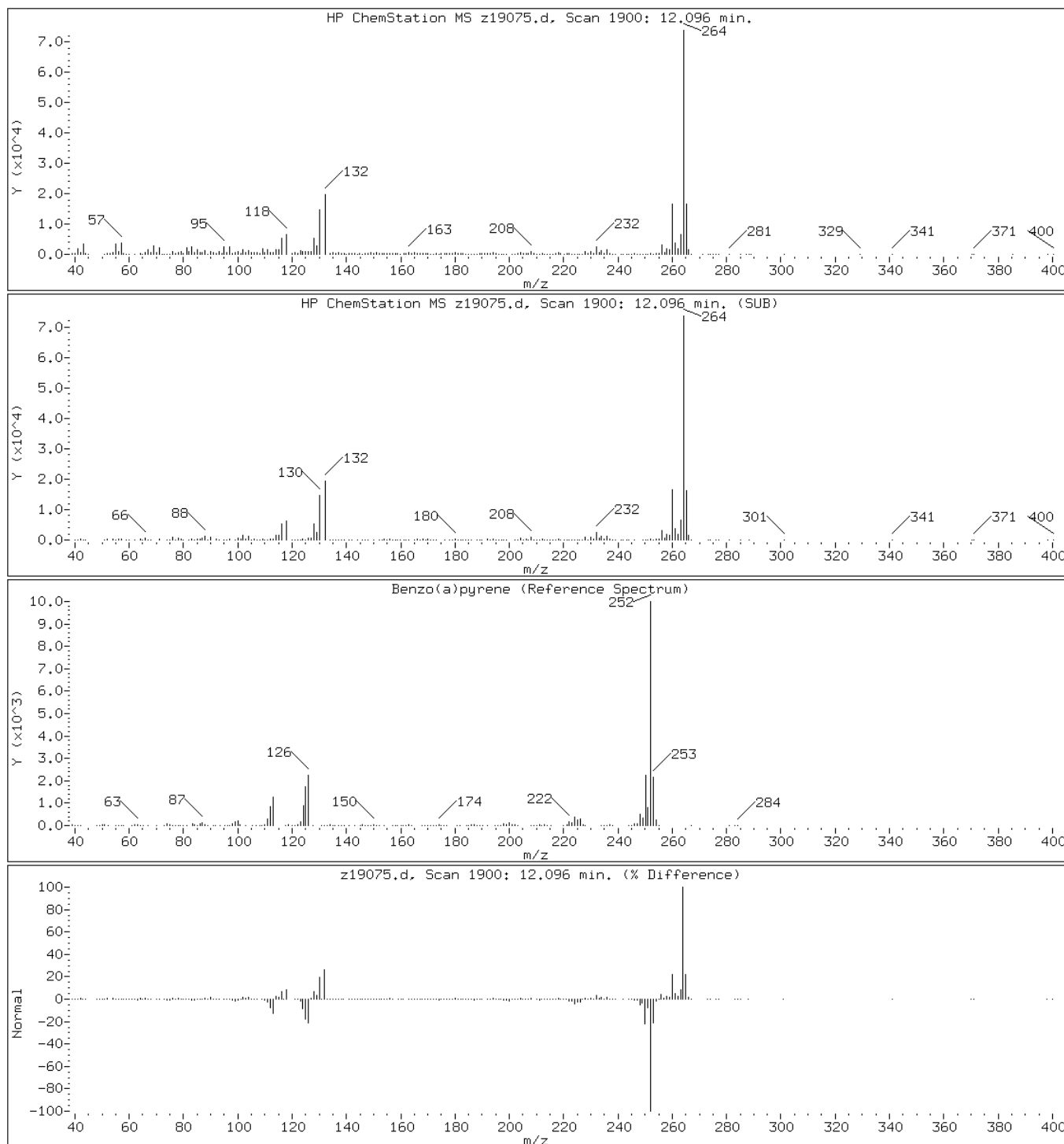
Client ID: F-8

Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

67 Benzo(a)pyrene



Data File: z19075.d

Date: 26-JUN-2012 15:08

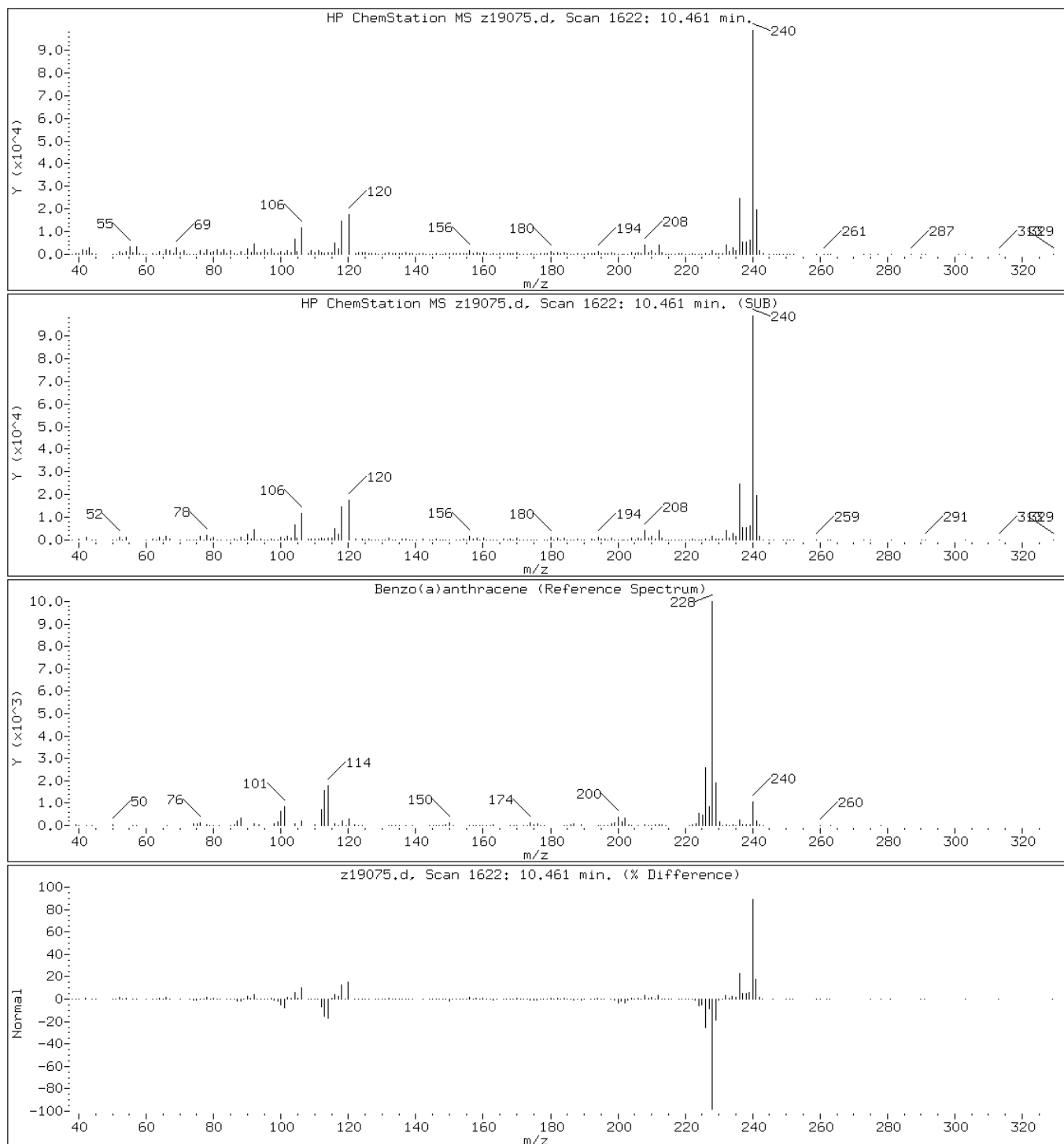
Client ID: F-8

Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

61 Benzo(a)anthracene



Data File: z19075.d

Date: 26-JUN-2012 15:08

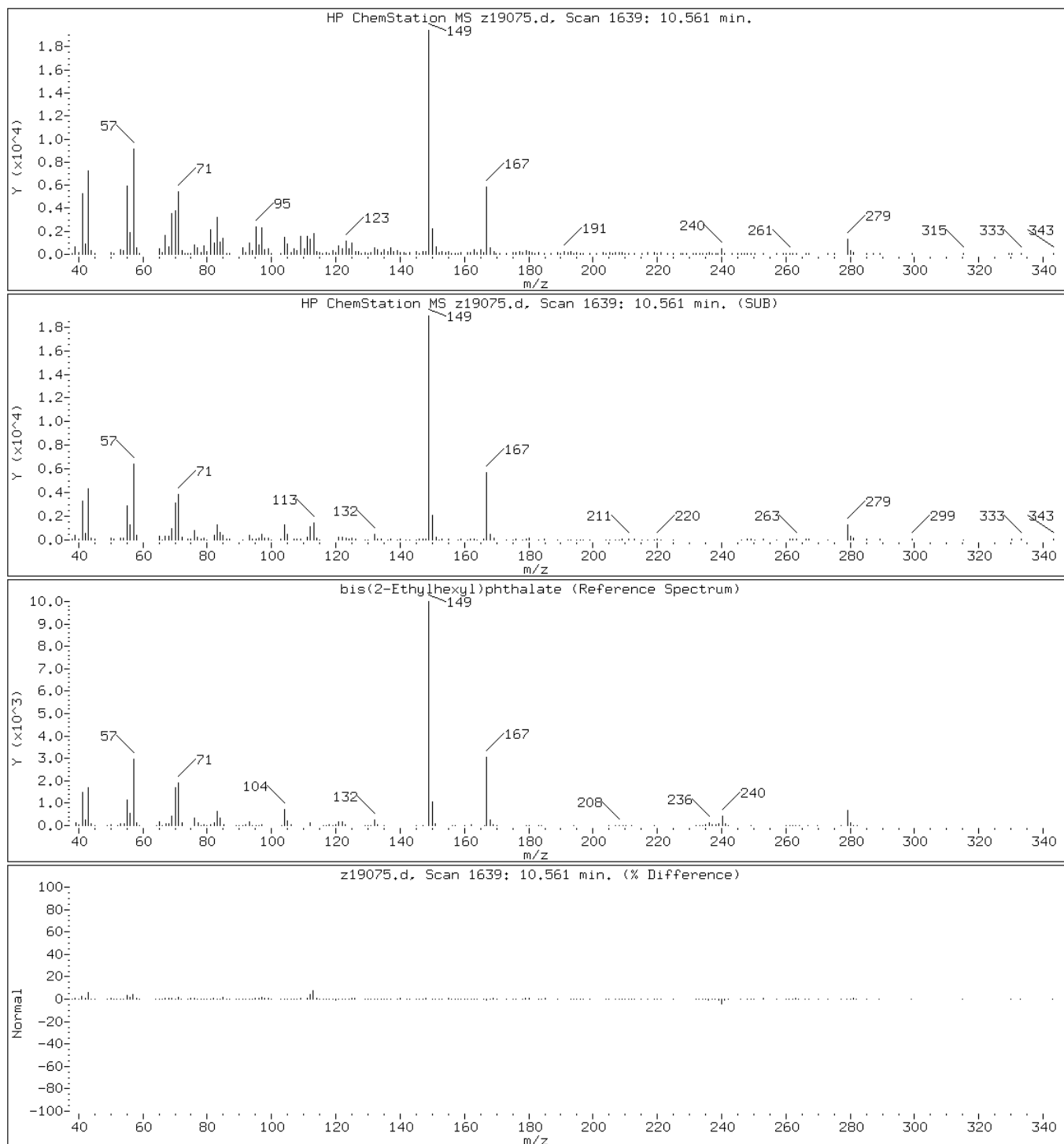
Client ID: F-8

Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

63 bis(2-Ethylhexyl)phthalate



Data File: z19075.d

Date: 26-JUN-2012 15:08

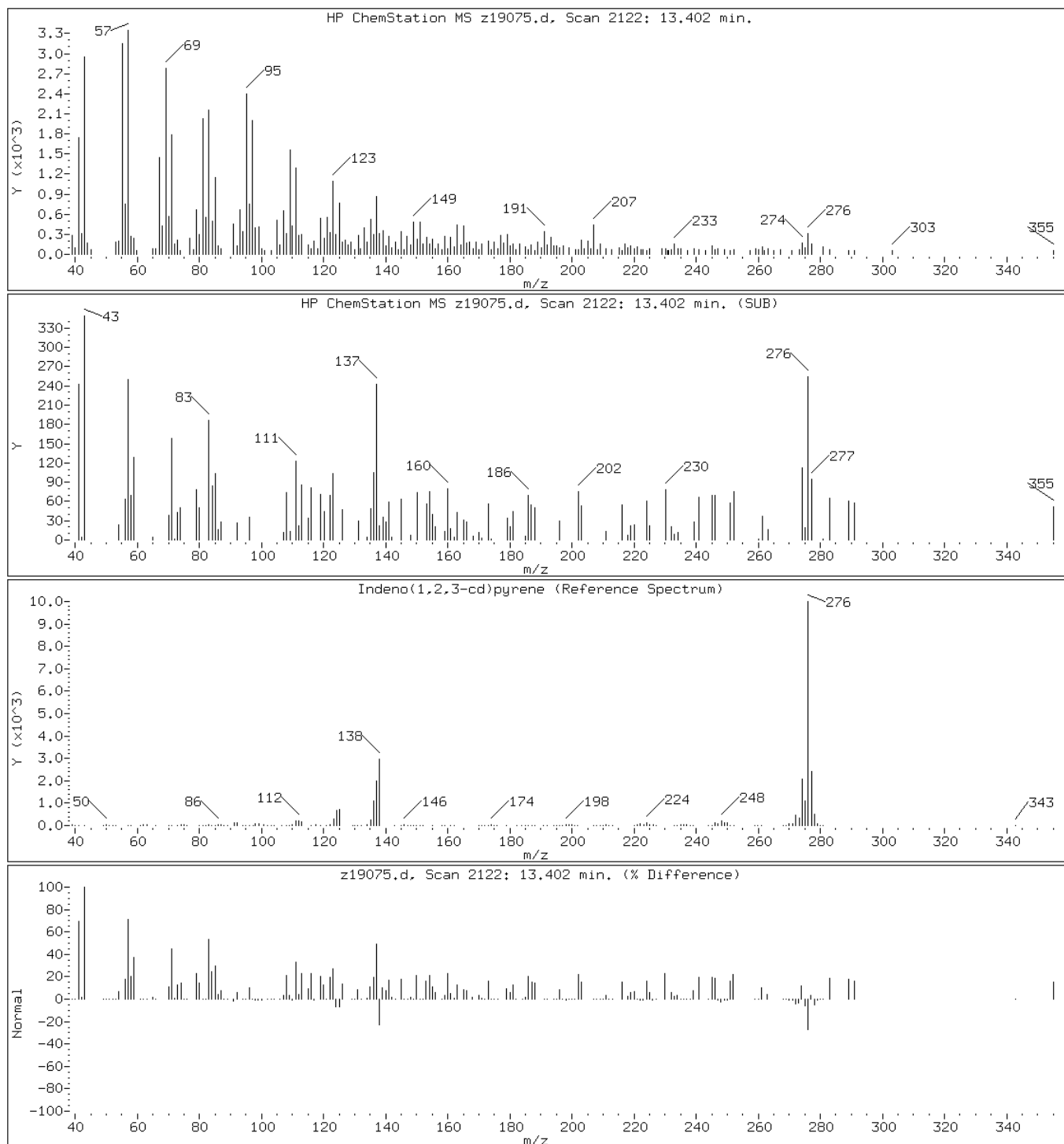
Client ID: F-8

Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

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

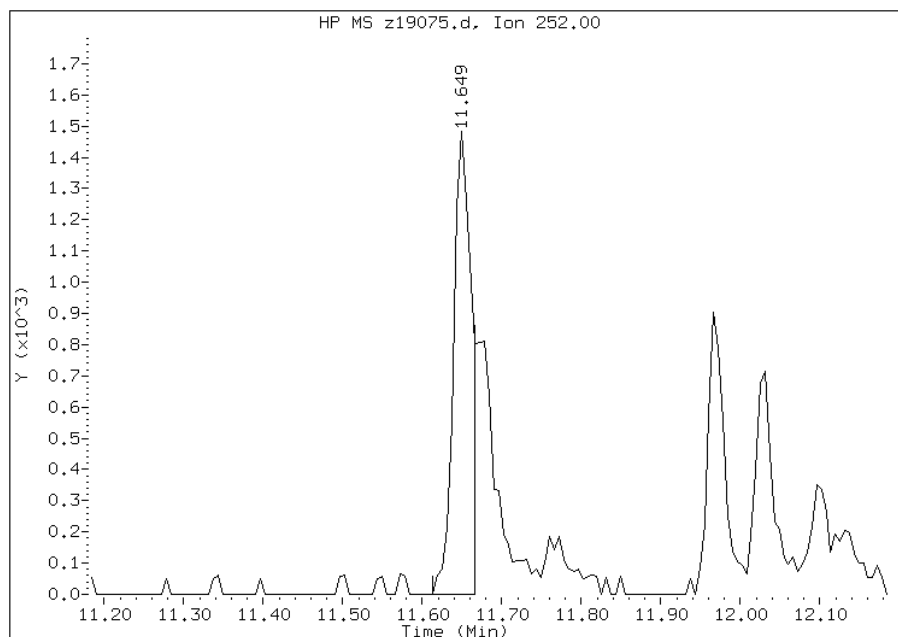


Manual Integration Report

Data File: z19075.d
Inj. Date and Time: 26-JUN-2012 15:08
Instrument ID: BNAMS11.i
Client ID: F-8
Compound: 66 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 07/01/2012

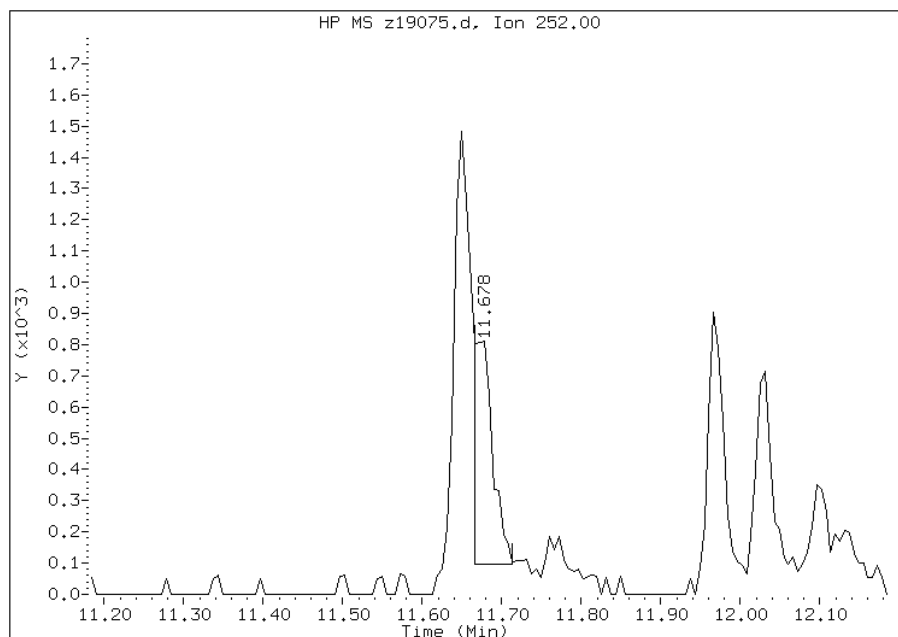
Processing Integration Results

RT: 11.65
Response: 2382
Amount: 1
Conc: 38



Manual Integration Results

RT: 11.68
Response: 1173
Amount: 0
Conc: 19



Manually Integrated By: wahied
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: z19075.d

Date: 26-JUN-2012 15:08

Client ID: F-8

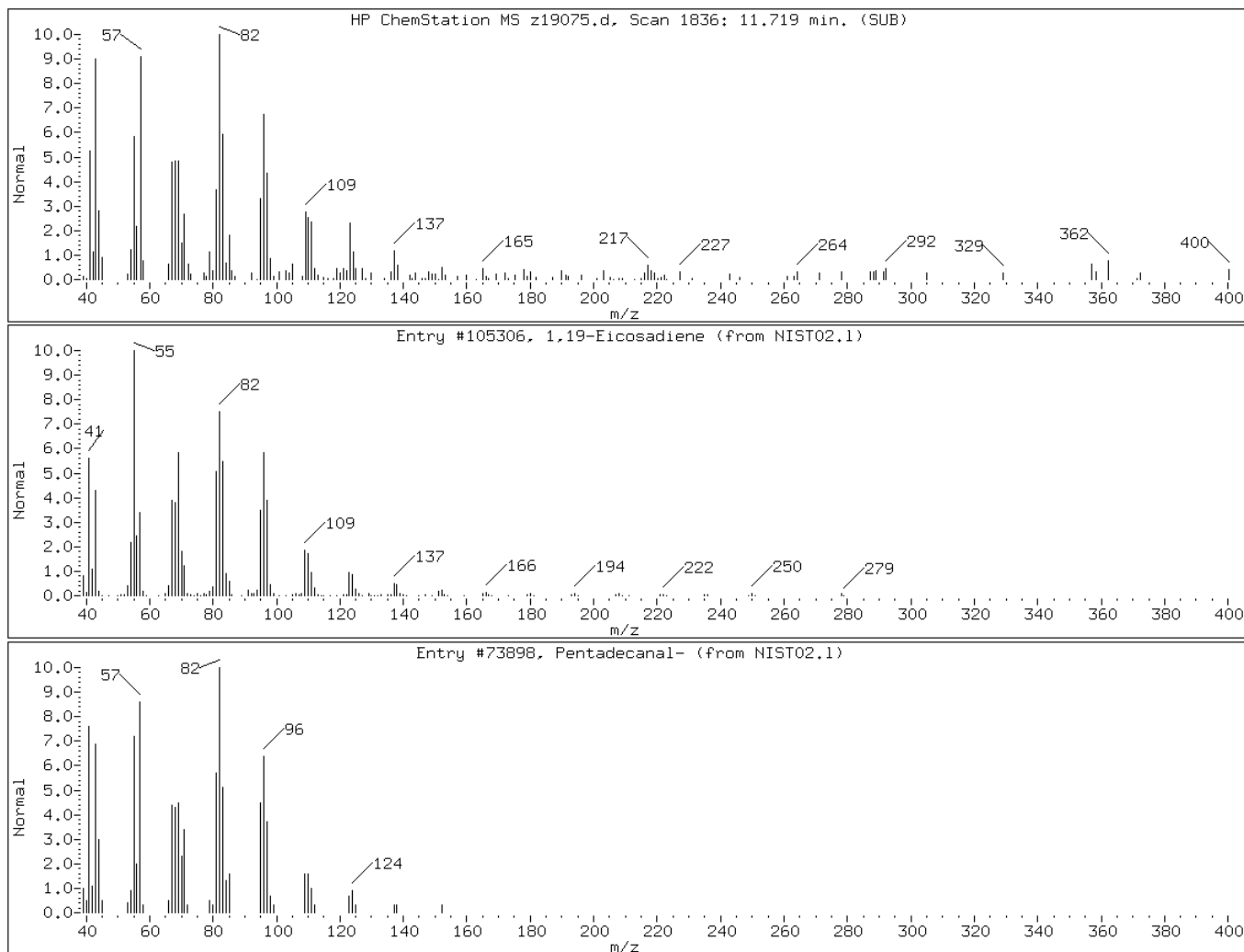
Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

Retention Time: 11.72

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-1						
1,19-Eicosadiene	14811-95-1	NIST02.L	105306	72	C20H38	278
Pentadecanal-	2765-11-9	NIST02.L	73898	64	C15H30O	226



Data File: z19075.d

Date: 26-JUN-2012 15:08

Client ID: F-8

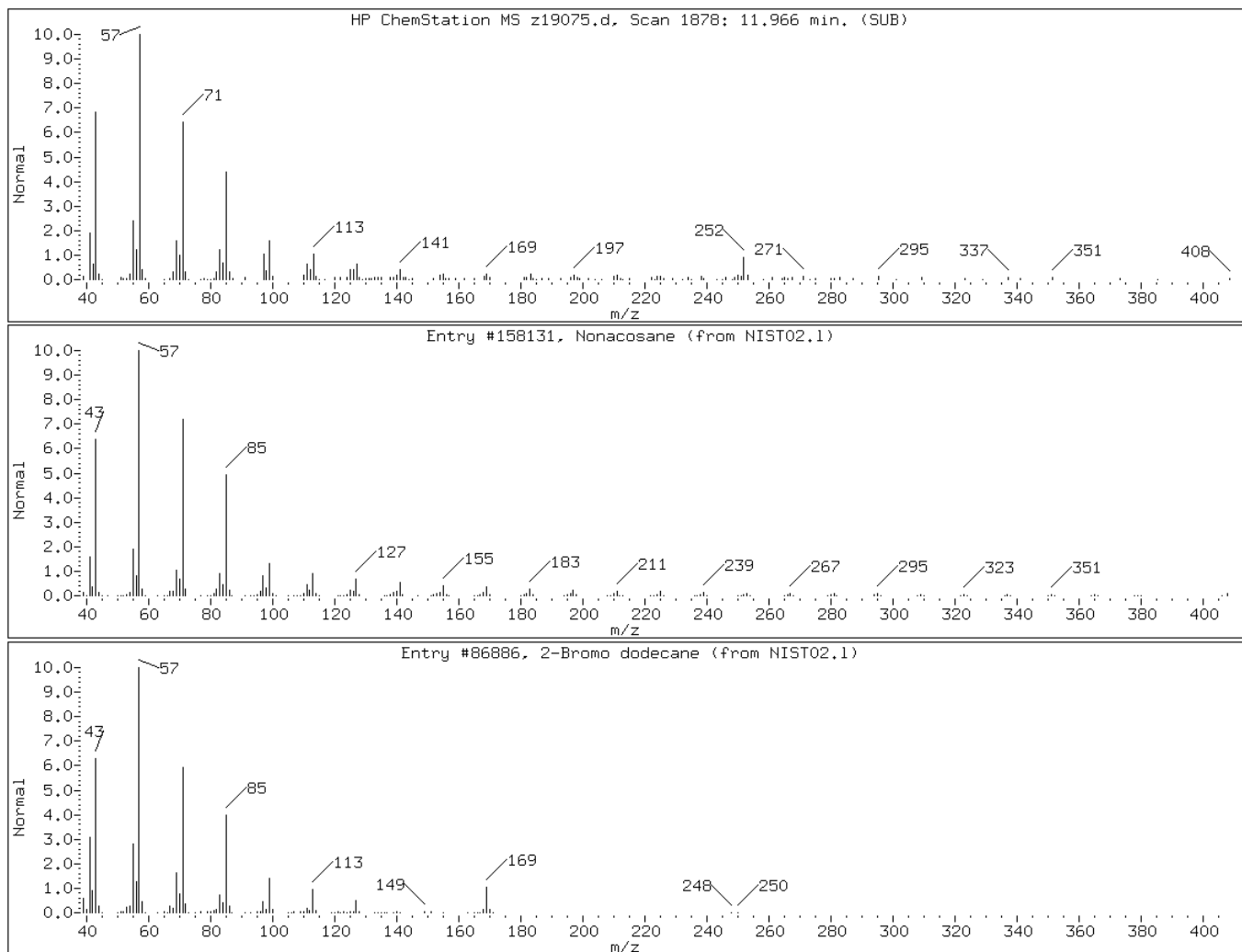
Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

Retention Time: 11.97

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane-1						
Nonacosane	630-03-5	NIST02.1	158131	94	C ₂₉ H ₆₀	408
2-Bromo dodecane	13187-99-0	NIST02.1	86886	91	C ₁₂ H ₂₅ Br	248



Data File: z19075.d

Date: 26-JUN-2012 15:08

Client ID: F-8

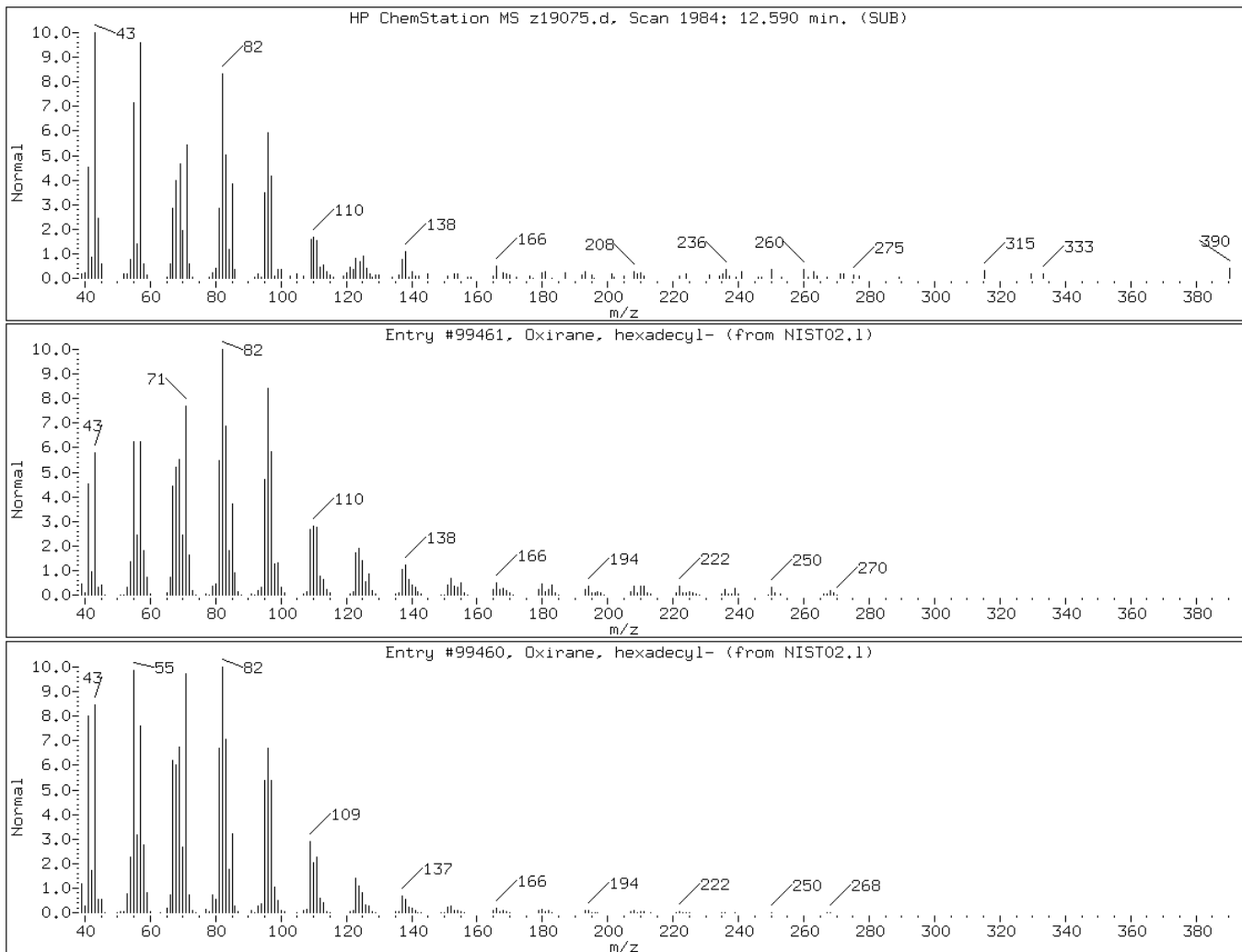
Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

Retention Time: 12.59

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-2						
Oxirane, hexadecyl-	7390-81-0	NIST02.1	99461	81	C18H36O	268
Oxirane, hexadecyl-	7390-81-0	NIST02.1	99460	80	C18H36O	268



Data File: z19075.d

Date: 26-JUN-2012 15:08

Client ID: F-8

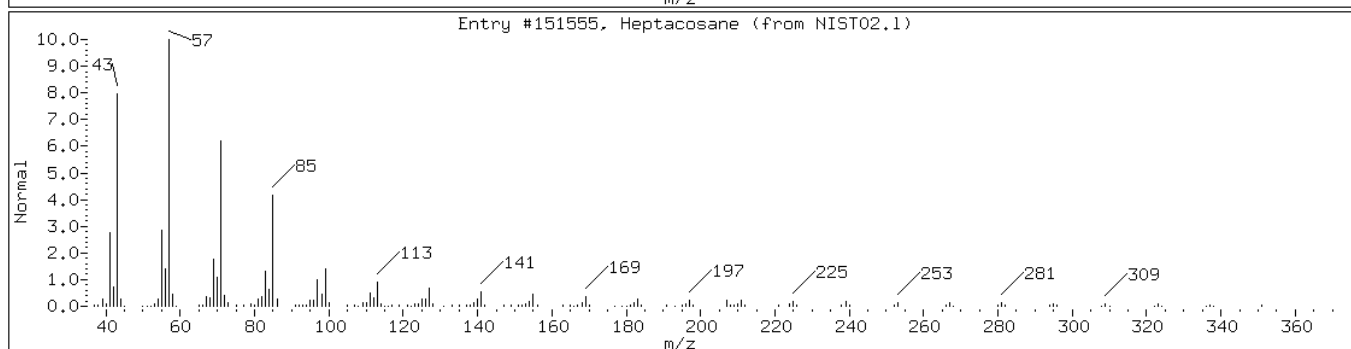
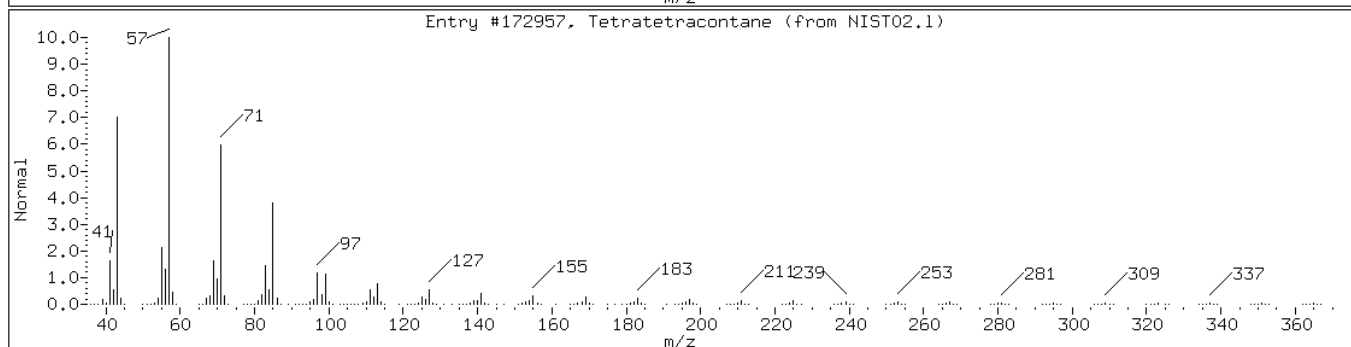
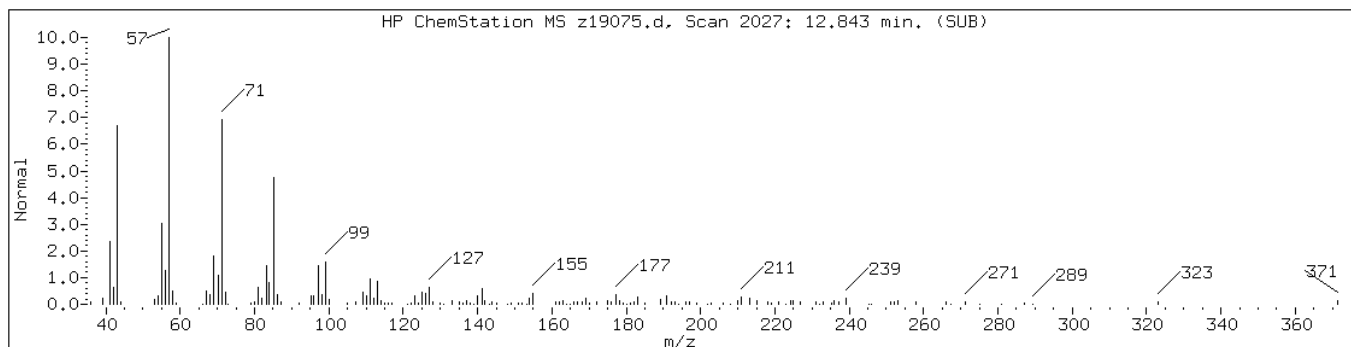
Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

Retention Time: 12.84

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane-2						
Tetratetracontane	7098-22-8	NIST02.L	172957	90	C44H90	619
Heptacosane	593-49-7	NIST02.L	151555	90	C27H56	380



Data File: z19075.d

Date: 26-JUN-2012 15:08

Client ID: F-8

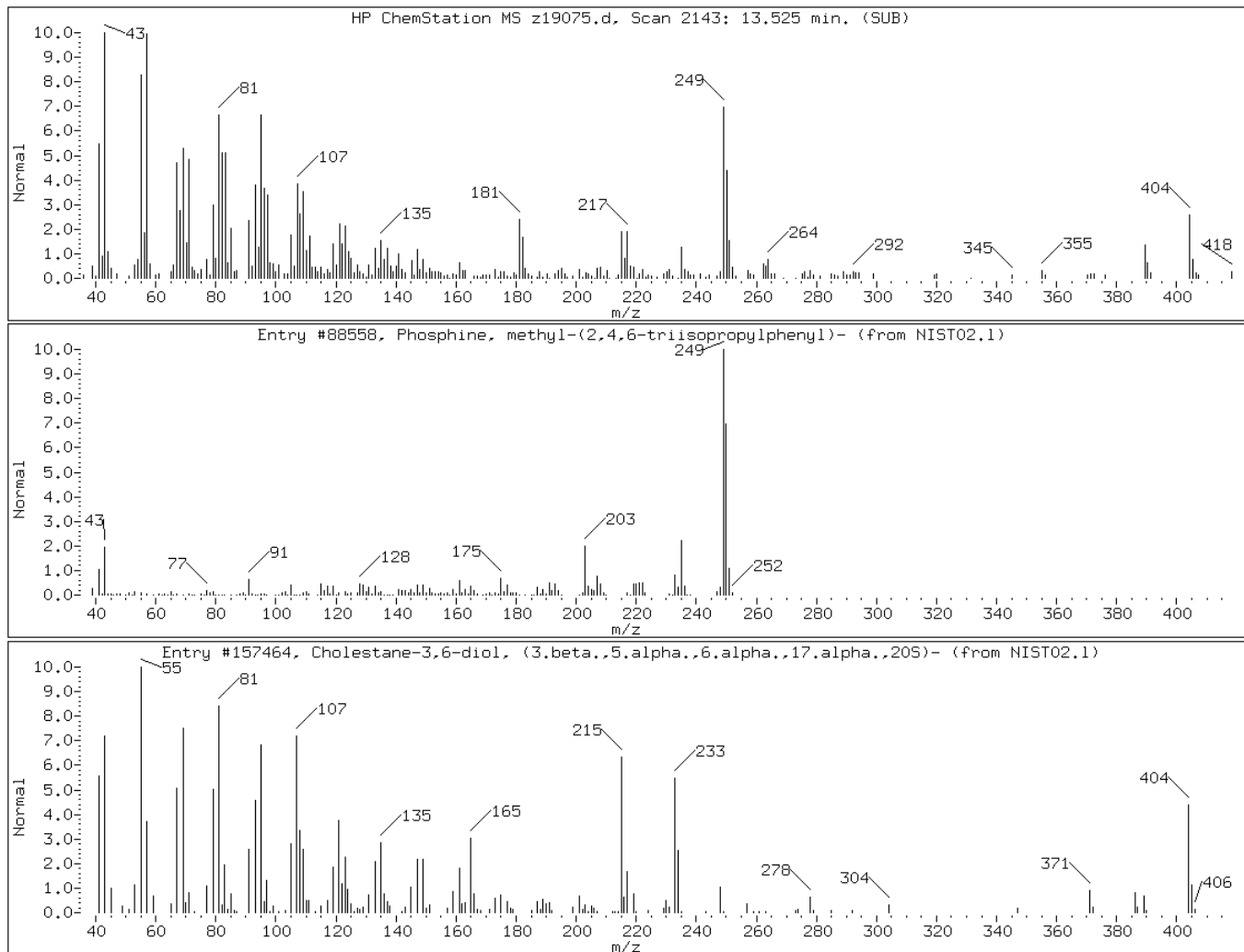
Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

Retention Time: 13.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-3						
Phosphine, methyl-(2,4,6-triisopro	158748-69-7	NIST02.1	88558	42	C16H27P	250
Cholestane-3,6-diol, (3.beta.,5.al	41083-77-6	NIST02.1	157464	38	C27H48O2	404



Data File: z19075.d

Date: 26-JUN-2012 15:08

Client ID: F-8

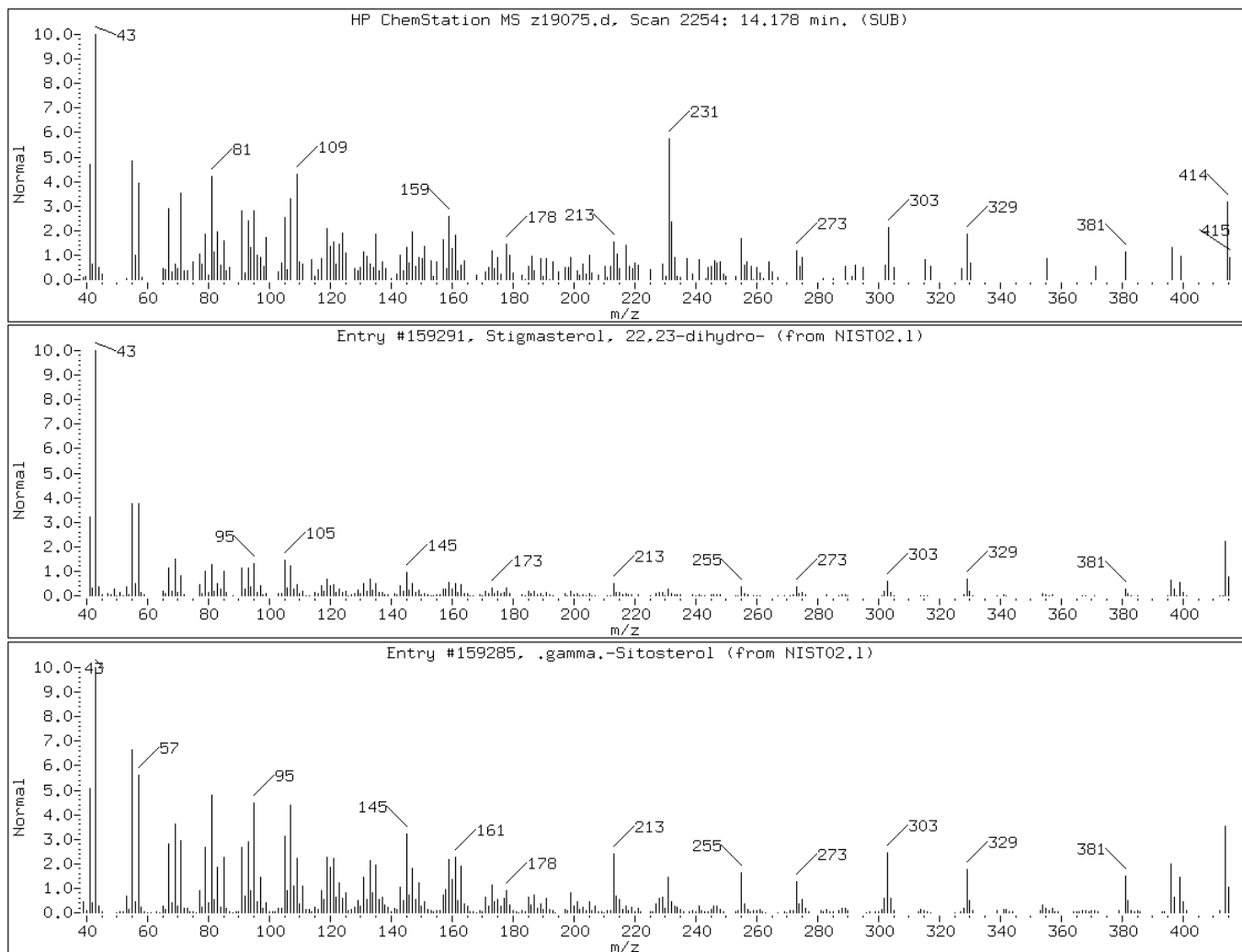
Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

Retention Time: 14.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Sterol						
Stigmasterol, 22,23-dihydro-	1000214-20-7	NIST02.1	159291	84	C29H50O	414
.gamma.-Sitosterol	83-47-6	NIST02.1	159285	64	C29H50O	414



Data File: z19075.d

Date: 26-JUN-2012 15:08

Client ID: F-8

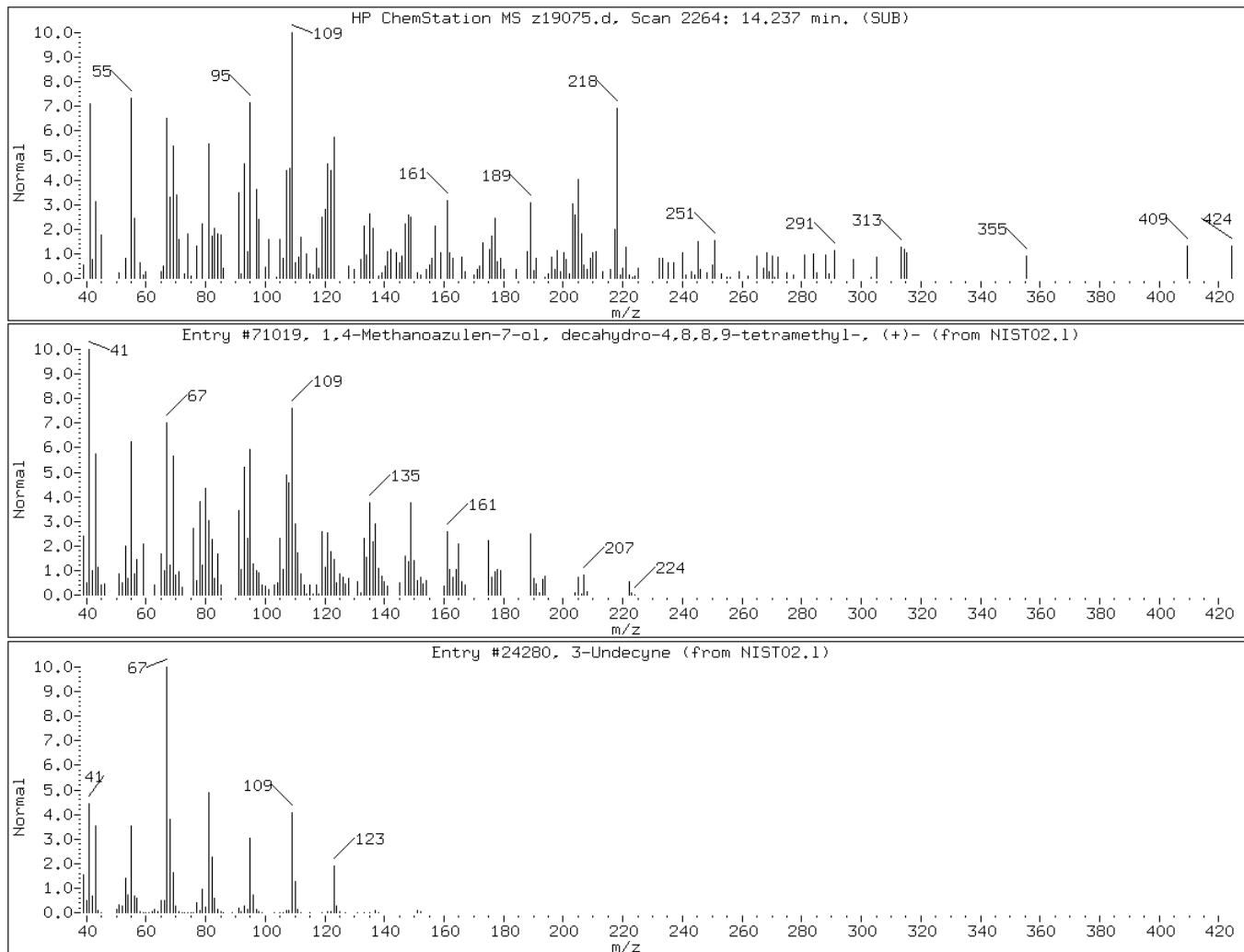
Instrument: BNAMS11.i

Sample Info: 460-41546-D-17-A

Operator: BNAMS 4

Retention Time: 14.24

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-4						
1,4-Methanoazulen-7-ol, decahydro-	18319-27-2	NIST02.1	71019	42	C15H26O	222
3-Undecyne	60212-30-8	NIST02.1	24280	27	C11H20	152



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-9</u>	Lab Sample ID: <u>460-41546-18</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z19064.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 13:14</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:49</u>
Sample wt/vol: <u>15.01(g)</u>	Date Analyzed: <u>06/26/2012 10:49</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>10.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117976</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	50	U	370	50
95-57-8	2-Chlorophenol	49	U	370	49
95-48-7	2-Methylphenol	63	U	370	63
106-44-5	4-Methylphenol	73	U	370	73
100-52-7	Benzaldehyde	44	U	370	44
98-86-2	Acetophenone	57	U	370	57
111-44-4	Bis(2-chloroethyl) ether	5.1	U	37	5.1
108-60-1	2,2'-oxybis[1-chloropropane]	41	U	370	41
621-64-7	N-Nitrosodi-n-propylamine	6.2	U	37	6.2
98-95-3	Nitrobenzene	5.3	U	37	5.3
67-72-1	Hexachloroethane	4.1	U	37	4.1
78-59-1	Isophorone	45	U	370	45
88-75-5	2-Nitrophenol	41	U	370	41
105-67-9	2,4-Dimethylphenol	91	U	370	91
120-83-2	2,4-Dichlorophenol	54	U	370	54
111-91-1	Bis(2-chloroethoxy)methane	48	U	370	48
91-20-3	Naphthalene	43	U	370	43
106-47-8	4-Chloroaniline	98	U	370	98
87-68-3	Hexachlorobutadiene	9.0	U	75	9.0
105-60-2	Caprolactam	85	U	370	85
59-50-7	4-Chloro-3-methylphenol	56	U	370	56
91-57-6	2-Methylnaphthalene	48	U	370	48
118-74-1	Hexachlorobenzene	5.1	U	37	5.1
77-47-4	Hexachlorocyclopentadiene	44	U	370	44
88-06-2	2,4,6-Trichlorophenol	43	U	370	43
95-95-4	2,4,5-Trichlorophenol	48	U	370	48
92-52-4	Diphenyl	50	U	370	50
91-58-7	2-Chloronaphthalene	41	U	370	41
88-74-4	2-Nitroaniline	150	U	750	150
606-20-2	2,6-Dinitrotoluene	11	U	75	11
131-11-3	Dimethyl phthalate	44	U	370	44
208-96-8	Acenaphthylene	44	U	370	44
99-09-2	3-Nitroaniline	130	U	750	130
83-32-9	Acenaphthene	54	U	370	54

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-9</u>	Lab Sample ID: <u>460-41546-18</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z19064.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 13:14</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:49</u>
Sample wt/vol: <u>15.01(g)</u>	Date Analyzed: <u>06/26/2012 10:49</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>10.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117976</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	240	U	1100	240
51-28-5	2,4-Dinitrophenol	210	U	1100	210
132-64-9	Dibenzofuran	43	U	370	43
84-66-2	Diethyl phthalate	44	U	370	44
86-73-7	Fluorene	47	U	370	47
206-44-0	Fluoranthene	49	U	370	49
84-74-2	Di-n-butyl phthalate	46	U	370	46
121-14-2	2,4-Dinitrotoluene	12	U	75	12
7005-72-3	4-Chlorophenyl phenyl ether	43	U	370	43
100-01-6	4-Nitroaniline	120	U	750	120
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1100	100
101-55-3	4-Bromophenyl phenyl ether	37	U	370	37
1912-24-9	Atrazine	57	U	370	57
120-12-7	Anthracene	45	U	370	45
86-74-8	Carbazole	44	U	370	44
85-01-8	Phenanthrene	47	U	370	47
87-86-5	Pentachlorophenol	110	U	1100	110
129-00-0	Pyrene	31	U	370	31
218-01-9	Chrysene	43	U	370	43
207-08-9	Benzo[k]fluoranthene	2.8	U	37	2.8
191-24-2	Benzo[g,h,i]perylene	27	U	370	27
205-99-2	Benzo[b]fluoranthene	2.3	U	37	2.3
50-32-8	Benzo[a]pyrene	2.6	U	37	2.6
56-55-3	Benzo[a]anthracene	2.6	U	37	2.6
86-30-6	N-Nitrosodiphenylamine	37	U	370	37
85-68-7	Butyl benzyl phthalate	34	U	370	34
117-81-7	Bis(2-ethylhexyl) phthalate	120	U	370	120
117-84-0	Di-n-octyl phthalate	24	U	370	24
193-39-5	Indeno[1,2,3-cd]pyrene	6.9	U	37	6.9
53-70-3	Dibenz(a,h)anthracene	4.7	U	37	4.7
91-94-1	3,3'-Dichlorobenzidine	130	U	750	130
95-94-3	1,2,4,5-Tetrachlorobenzene	50	U	370	50
58-90-2	2,3,4,6-Tetrachlorophenol	48	U	370	48
123-91-1	1,4-Dioxane	27	U	370	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-9 Lab Sample ID: 460-41546-18
Matrix: Solid Lab File ID: z19064.d
Analysis Method: 8270C Date Collected: 06/20/2012 13:14
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 15.01(g) Date Analyzed: 06/26/2012 10:49
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 10.8 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117976 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	64		38-105
4165-62-2	Phenol-d5	87		41-118
1718-51-0	Terphenyl-d14	92		16-151
118-79-6	2,4,6-Tribromophenol	69		10-120
367-12-4	2-Fluorophenol	72		37-125
321-60-8	2-Fluorobiphenyl	66		40-109

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-9 Lab Sample ID: 460-41546-18
Matrix: Solid Lab File ID: z19064.d
Analysis Method: 8270C Date Collected: 06/20/2012 13:14
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 15.01(g) Date Analyzed: 06/26/2012 10:49
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 10.8 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117976 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/8270/06-24-12/26jun12.b/z19064.d
 Report Date: 01-Jul-2012 13:46

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19064.d
 Lab Smp Id: 460-41546-D-18-A Client Smp ID: F-9
 Inj Date : 26-JUN-2012 10:49
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-41546-D-18-A
 Misc Info : 460-41546-D-18-A
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/8270C_11.m
 Meth Date : 26-Jun-2012 09:07 croccom Quant Type: ISTD
 Cal Date : 25-JUN-2012 01:50 Cal File: z19018.d
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	10.78611	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
\$ 16 2-Fluorophenol (SUR)	112	2.238	2.179	(0.657)	630677	72.3843	5400
\$ 17 Phenol-d5 (SUR)	99	3.085	3.091	(0.905)	892789	86.9888	6500
* 79 1,4-Dichlorobenzene-d4	152	3.408	3.408	(1.000)	263135	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	3.979	3.996	(0.846)	311506	31.9617	2400
* 80 Naphthalene-d8	136	4.702	4.714	(1.000)	1051971	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	5.808	5.820	(0.900)	620247	32.7718	2400
* 82 Acenaphthene-d10	164	6.455	6.461	(1.000)	538544	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.226	7.231	(1.119)	139903	68.5196	5100
* 83 Phenanthrene-d10	188	7.890	7.896	(1.000)	741347	40.0000	
52 Phenanthrene	178	7.908	7.920	(1.002)	6114	0.30200	22(a)
56 Fluoranthene	202	9.061	9.067	(1.148)	1960	0.11541	8.6(a)
\$ 78 Terphenyl-d14	244	9.461	9.467	(0.904)	526671	46.0057	3400
* 81 Chrysene-d12	240	10.467	10.472	(1.000)	364411	40.0000	

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19064.d
Report Date: 01-Jul-2012 13:46

Compounds	QUANT	SIG	MASS	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
										ON-COLUMN	FINAL
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	(ug/ml)	(ug/Kg)
* 84 Perylene-d12	264			12.102	12.102	(1.000)			228442	40.0000	

QC Flag Legend

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

Data File: z19064.d

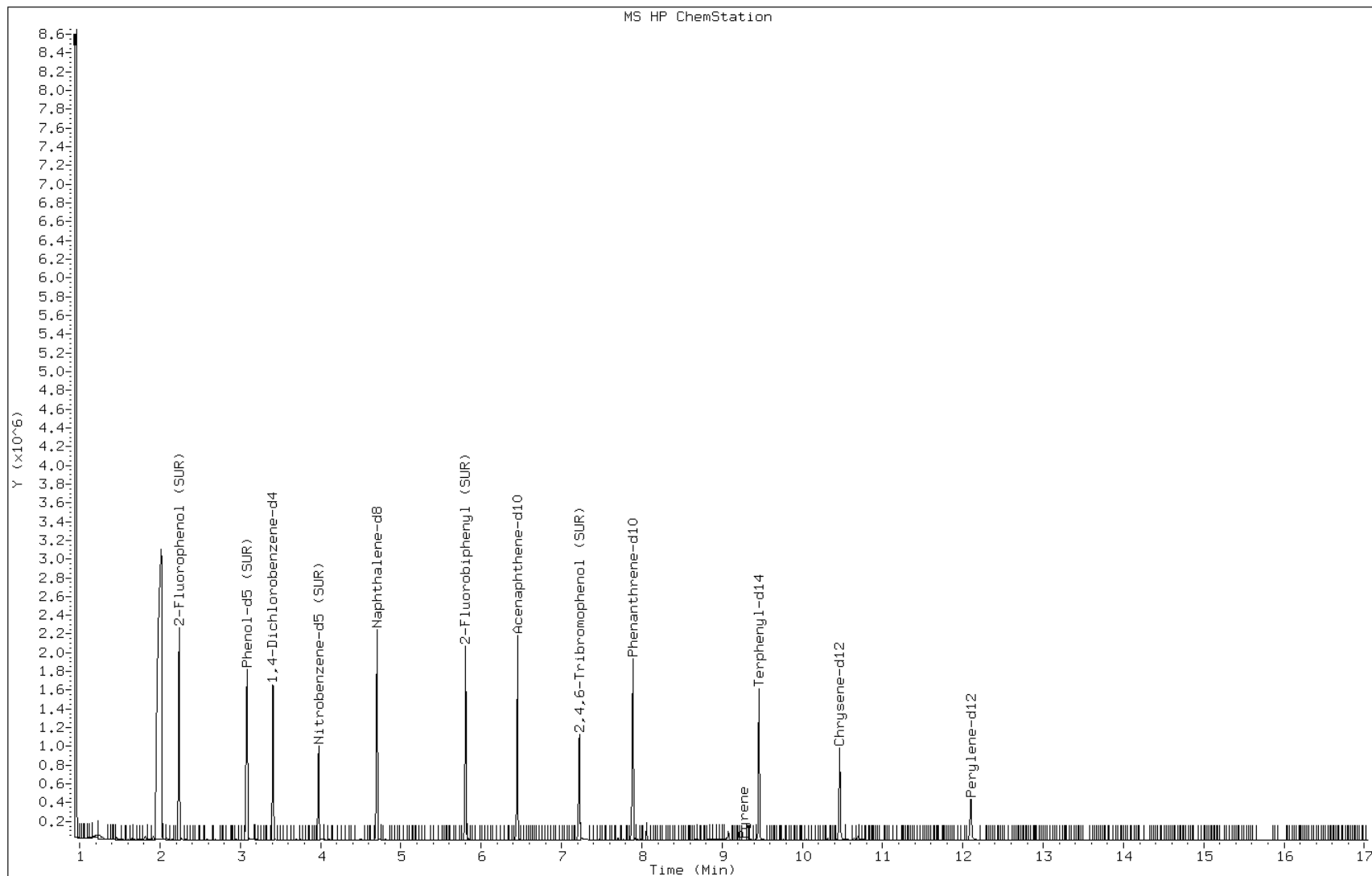
Date: 26-JUN-2012 10:49

Client ID: F-9

Instrument: BNAMS11.i

Sample Info: 460-41546-D-18-A

Operator: BNAMS 4

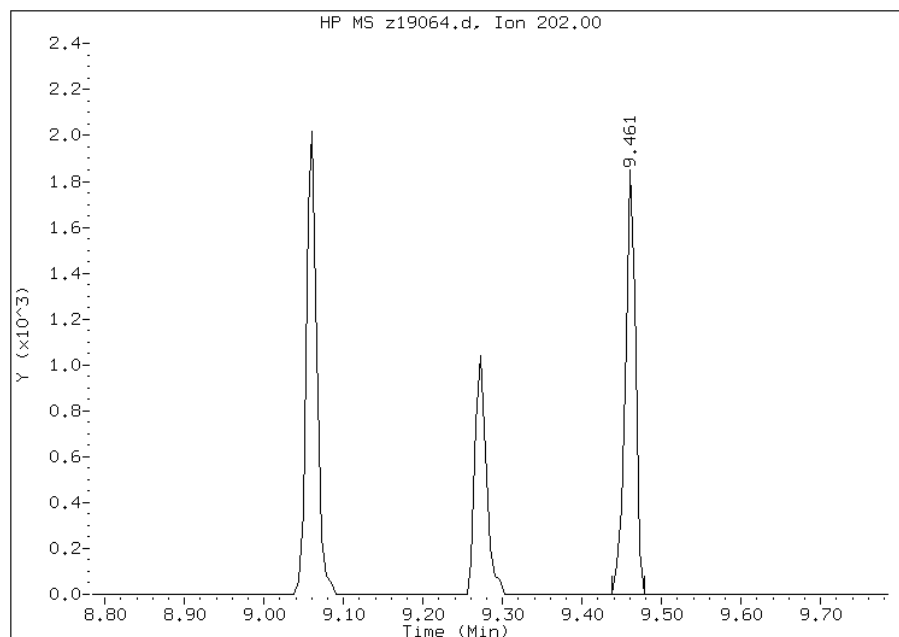


Manual Integration Report

Data File: z19064.d
Inj. Date and Time: 26-JUN-2012 10:49
Instrument ID: BNAMS11.i
Client ID: F-9
Compound: 57 Pyrene
CAS #: 129-00-0
Report Date: 07/01/2012

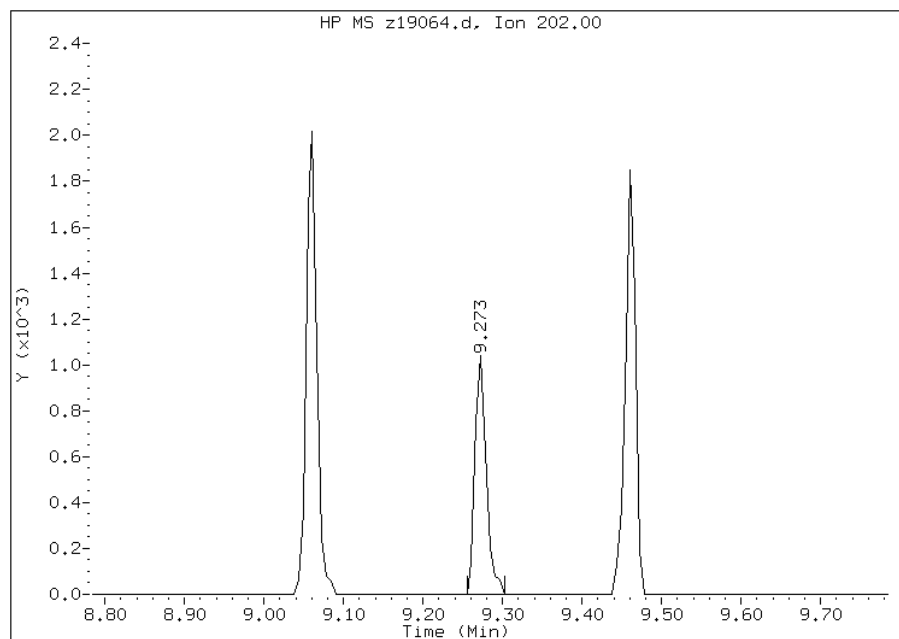
Processing Integration Results

RT: 9.46
Response: 1750
Amount: 0
Conc: 8



Manual Integration Results

RT: 9.27
Response: 1024
Amount: 0
Conc: 4



Manually Integrated By: wahied
Manual Integration Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-10</u>	Lab Sample ID: <u>460-41546-19</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z19065.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 13:48</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:49</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>06/26/2012 11:13</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117976</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	49	U	360	49
95-57-8	2-Chlorophenol	48	U	360	48
95-48-7	2-Methylphenol	62	U	360	62
106-44-5	4-Methylphenol	72	U	360	72
100-52-7	Benzaldehyde	43	U	360	43
98-86-2	Acetophenone	56	U	360	56
111-44-4	Bis(2-chloroethyl) ether	5.0	U	36	5.0
108-60-1	2,2'-oxybis[1-chloropropane]	40	U	360	40
621-64-7	N-Nitrosodi-n-propylamine	6.1	U	36	6.1
98-95-3	Nitrobenzene	5.2	U	36	5.2
67-72-1	Hexachloroethane	4.1	U	36	4.1
78-59-1	Isophorone	44	U	360	44
88-75-5	2-Nitrophenol	41	U	360	41
105-67-9	2,4-Dimethylphenol	90	U	360	90
120-83-2	2,4-Dichlorophenol	53	U	360	53
111-91-1	Bis(2-chloroethoxy) methane	47	U	360	47
91-20-3	Naphthalene	42	U	360	42
106-47-8	4-Chloroaniline	97	U	360	97
87-68-3	Hexachlorobutadiene	8.9	U	74	8.9
105-60-2	Caprolactam	84	U	360	84
59-50-7	4-Chloro-3-methylphenol	55	U	360	55
91-57-6	2-Methylnaphthalene	47	U	360	47
118-74-1	Hexachlorobenzene	5.0	U	36	5.0
77-47-4	Hexachlorocyclopentadiene	43	U	360	43
88-06-2	2,4,6-Trichlorophenol	43	U	360	43
95-95-4	2,4,5-Trichlorophenol	47	U	360	47
92-52-4	Diphenyl	49	U	360	49
91-58-7	2-Chloronaphthalene	41	U	360	41
88-74-4	2-Nitroaniline	150	U	740	150
606-20-2	2,6-Dinitrotoluene	11	U	74	11
131-11-3	Dimethyl phthalate	43	U	360	43
208-96-8	Acenaphthylene	43	U	360	43
99-09-2	3-Nitroaniline	130	U	740	130
83-32-9	Acenaphthene	53	U	360	53

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-10</u>	Lab Sample ID: <u>460-41546-19</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z19065.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 13:48</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:49</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>06/26/2012 11:13</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117976</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	240	U	1100	240
51-28-5	2,4-Dinitrophenol	210	U	1100	210
132-64-9	Dibenzofuran	43	U	360	43
84-66-2	Diethyl phthalate	44	U	360	44
86-73-7	Fluorene	47	U	360	47
206-44-0	Fluoranthene	49	U	360	49
84-74-2	Di-n-butyl phthalate	45	U	360	45
121-14-2	2,4-Dinitrotoluene	12	U	74	12
7005-72-3	4-Chlorophenyl phenyl ether	43	U	360	43
100-01-6	4-Nitroaniline	110	U	740	110
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1100	100
101-55-3	4-Bromophenyl phenyl ether	36	U	360	36
1912-24-9	Atrazine	56	U	360	56
120-12-7	Anthracene	44	U	360	44
86-74-8	Carbazole	43	U	360	43
85-01-8	Phenanthrene	47	U	360	47
87-86-5	Pentachlorophenol	110	U	1100	110
129-00-0	Pyrene	31	U	360	31
218-01-9	Chrysene	43	U	360	43
207-08-9	Benzo[k]fluoranthene	2.8	U	36	2.8
191-24-2	Benzo[g,h,i]perylene	27	U	360	27
205-99-2	Benzo[b]fluoranthene	2.3	U	36	2.3
50-32-8	Benzo[a]pyrene	2.6	U	36	2.6
56-55-3	Benzo[a]anthracene	2.6	U	36	2.6
86-30-6	N-Nitrosodiphenylamine	36	U	360	36
85-68-7	Butyl benzyl phthalate	33	U	360	33
117-81-7	Bis(2-ethylhexyl) phthalate	120	U	360	120
117-84-0	Di-n-octyl phthalate	23	U	360	23
193-39-5	Indeno[1,2,3-cd]pyrene	6.8	U	36	6.8
53-70-3	Dibenz(a,h)anthracene	4.6	U	36	4.6
91-94-1	3,3'-Dichlorobenzidine	130	U	740	130
95-94-3	1,2,4,5-Tetrachlorobenzene	49	U	360	49
58-90-2	2,3,4,6-Tetrachlorophenol	48	U	360	48
123-91-1	1,4-Dioxane	27	U	360	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-10 Lab Sample ID: 460-41546-19
Matrix: Solid Lab File ID: z19065.d
Analysis Method: 8270C Date Collected: 06/20/2012 13:48
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 15.02(g) Date Analyzed: 06/26/2012 11:13
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.7 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117976 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	50		38-105
4165-62-2	Phenol-d5	74		41-118
1718-51-0	Terphenyl-d14	97		16-151
118-79-6	2,4,6-Tribromophenol	55		10-120
367-12-4	2-Fluorophenol	59		37-125
321-60-8	2-Fluorobiphenyl	51		40-109

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-10 Lab Sample ID: 460-41546-19
Matrix: Solid Lab File ID: z19065.d
Analysis Method: 8270C Date Collected: 06/20/2012 13:48
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 15.02(g) Date Analyzed: 06/26/2012 11:13
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.7 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117976 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/8270/06-24-12/26jun12.b/z19065.d
 Report Date: 01-Jul-2012 13:46

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19065.d
 Lab Smp Id: 460-41546-D-19-A Client Smp ID: F-10
 Inj Date : 26-JUN-2012 11:13
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-41546-D-19-A
 Misc Info : 460-41546-D-19-A
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/8270C_11.m
 Meth Date : 26-Jun-2012 09:07 croccom Quant Type: ISTD
 Cal Date : 25-JUN-2012 01:50 Cal File: z19018.d
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	9.65058	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN FINAL (ug/ml) (ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====
\$ 16 2-Fluorophenol (SUR)	112	2.232	2.179	(0.656)	486806	59.0666	4400
\$ 17 Phenol-d5 (SUR)	99	3.085	3.091	(0.907)	720863	74.2533	5500
* 79 1,4-Dichlorobenzene-d4	152	3.402	3.408	(1.000)	248903	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	3.973	3.996	(0.845)	225614	24.9557	1800
* 80 Naphthalene-d8	136	4.702	4.714	(1.000)	975807	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	5.808	5.820	(0.901)	442216	25.6745	1900
* 82 Acenaphthene-d10	164	6.449	6.461	(1.000)	490106	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.226	7.231	(1.120)	102926	55.3916	4100
* 83 Phenanthrene-d10	188	7.890	7.896	(1.000)	644022	40.0000	
52 Phenanthrene	178	7.908	7.920	(1.002)	5936	0.33752	25(a)
56 Fluoranthene	202	9.061	9.067	(1.148)	2223	0.15068	11(a)
\$ 78 Terphenyl-d14	244	9.461	9.467	(0.904)	426730	48.7229	3600
* 81 Chrysene-d12	240	10.467	10.472	(1.000)	278794	40.0000	

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19065.d
Report Date: 01-Jul-2012 13:46

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS						ON-COLUMN	FINAL
=====	=====		==	=====	=====	=====	=====	=====
* 84 Perylene-d12	264		12.096	12.102	(1.000)	178715	40.0000	

QC Flag Legend

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

Data File: z19065.d

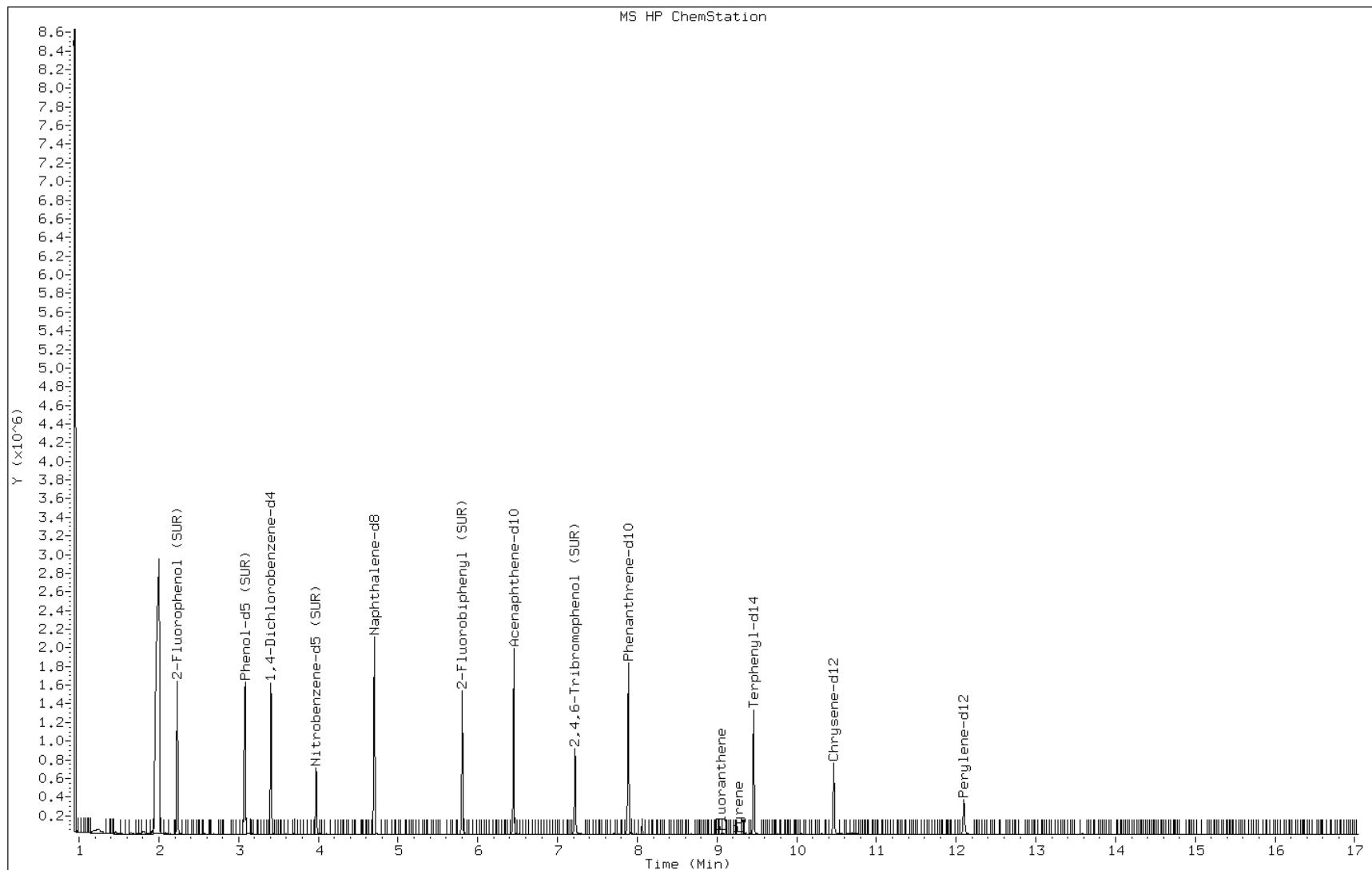
Date: 26-JUN-2012 11:13

Client ID: F-10

Instrument: BNAMS11.i

Sample Info: 460-41546-D-19-A

Operator: BNAMS 4

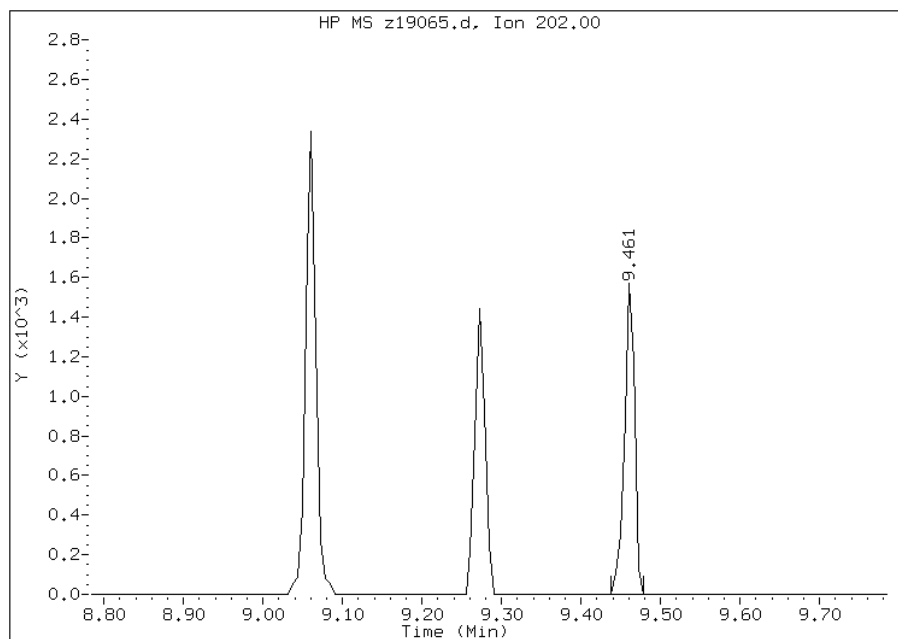


Manual Integration Report

Data File: z19065.d
Inj. Date and Time: 26-JUN-2012 11:13
Instrument ID: BNAMS11.i
Client ID: F-10
Compound: 57 Pyrene
CAS #: 129-00-0
Report Date: 07/01/2012

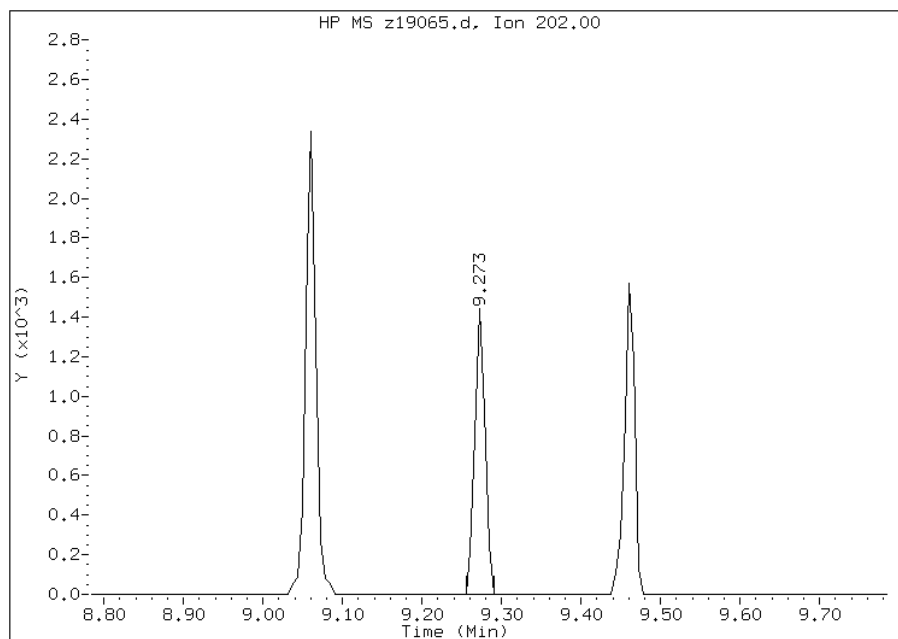
Processing Integration Results

RT: 9.46
Response: 1476
Amount: 0
Conc: 8



Manual Integration Results

RT: 9.27
Response: 1284
Amount: 0
Conc: 7



Manually Integrated By: wahied
Manual Integration Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-11</u>	Lab Sample ID: <u>460-41546-20</u>
Matrix: <u>Solid</u>	Lab File ID: <u>u77722.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 13:52</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:58</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>06/25/2012 14:45</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>10.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117489</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	49	U	370	49
95-57-8	2-Chlorophenol	48	U	370	48
95-48-7	2-Methylphenol	63	U	370	63
106-44-5	4-Methylphenol	72	U	370	72
100-52-7	Benzaldehyde	43	U	370	43
98-86-2	Acetophenone	56	U	370	56
111-44-4	Bis(2-chloroethyl) ether	5.0	U	37	5.0
108-60-1	2,2'-oxybis[1-chloropropane]	41	U	370	41
621-64-7	N-Nitrosodi-n-propylamine	6.1	U	37	6.1
98-95-3	Nitrobenzene	5.2	U	37	5.2
67-72-1	Hexachloroethane	4.1	U	37	4.1
78-59-1	Isophorone	45	U	370	45
88-75-5	2-Nitrophenol	41	U	370	41
105-67-9	2,4-Dimethylphenol	91	U	370	91
120-83-2	2,4-Dichlorophenol	54	U	370	54
111-91-1	Bis(2-chloroethoxy)methane	47	U	370	47
91-20-3	Naphthalene	43	U	370	43
106-47-8	4-Chloroaniline	97	U	370	97
87-68-3	Hexachlorobutadiene	9.0	U	74	9.0
105-60-2	Caprolactam	85	U	370	85
59-50-7	4-Chloro-3-methylphenol	55	U	370	55
91-57-6	2-Methylnaphthalene	47	U	370	47
118-74-1	Hexachlorobenzene	5.0	U	37	5.0
77-47-4	Hexachlorocyclopentadiene	43	U	370	43
88-06-2	2,4,6-Trichlorophenol	43	U	370	43
95-95-4	2,4,5-Trichlorophenol	47	U	370	47
92-52-4	Diphenyl	49	U	370	49
91-58-7	2-Chloronaphthalene	41	U	370	41
88-74-4	2-Nitroaniline	150	U	740	150
606-20-2	2,6-Dinitrotoluene	11	U	74	11
131-11-3	Dimethyl phthalate	44	U	370	44
208-96-8	Acenaphthylene	43	U	370	43
99-09-2	3-Nitroaniline	130	U	740	130
83-32-9	Acenaphthene	54	U	370	54

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-11</u>	Lab Sample ID: <u>460-41546-20</u>
Matrix: <u>Solid</u>	Lab File ID: <u>u77722.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 13:52</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:58</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>06/25/2012 14:45</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>10.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117489</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	240	U	1100	240
51-28-5	2,4-Dinitrophenol	210	U	1100	210
132-64-9	Dibenzofuran	43	U	370	43
84-66-2	Diethyl phthalate	44	U	370	44
86-73-7	Fluorene	47	U	370	47
206-44-0	Fluoranthene	49	U	370	49
84-74-2	Di-n-butyl phthalate	45	U	370	45
121-14-2	2,4-Dinitrotoluene	12	U	74	12
7005-72-3	4-Chlorophenyl phenyl ether	43	U	370	43
100-01-6	4-Nitroaniline	110	U	740	110
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1100	100
101-55-3	4-Bromophenyl phenyl ether	36	U	370	36
1912-24-9	Atrazine	57	U	370	57
120-12-7	Anthracene	45	U	370	45
86-74-8	Carbazole	43	U	370	43
85-01-8	Phenanthrene	47	U	370	47
87-86-5	Pentachlorophenol	110	U	1100	110
129-00-0	Pyrene	31	U	370	31
218-01-9	Chrysene	43	U	370	43
207-08-9	Benzo[k]fluoranthene	2.8	U	37	2.8
191-24-2	Benzo[g,h,i]perylene	27	U	370	27
205-99-2	Benzo[b]fluoranthene	2.3	U	37	2.3
50-32-8	Benzo[a]pyrene	2.6	U	37	2.6
56-55-3	Benzo[a]anthracene	2.6	U	37	2.6
86-30-6	N-Nitrosodiphenylamine	36	U	370	36
85-68-7	Butyl benzyl phthalate	34	U	370	34
117-81-7	Bis(2-ethylhexyl) phthalate	120	U	370	120
117-84-0	Di-n-octyl phthalate	23	U	370	23
193-39-5	Indeno[1,2,3-cd]pyrene	6.8	U	37	6.8
53-70-3	Dibenz(a,h)anthracene	4.6	U	37	4.6
91-94-1	3,3'-Dichlorobenzidine	130	U	740	130
95-94-3	1,2,4,5-Tetrachlorobenzene	49	U *	370	49
58-90-2	2,3,4,6-Tetrachlorophenol	48	U	370	48
123-91-1	1,4-Dioxane	27	U	370	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-11 Lab Sample ID: 460-41546-20
Matrix: Solid Lab File ID: u77722.d
Analysis Method: 8270C Date Collected: 06/20/2012 13:52
Extract. Method: 3541 Date Extracted: 06/22/2012 08:58
Sample wt/vol: 15.02(g) Date Analyzed: 06/25/2012 14:45
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 10.1 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117489 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	44		38-105
4165-62-2	Phenol-d5	91		41-118
1718-51-0	Terphenyl-d14	93		16-151
118-79-6	2,4,6-Tribromophenol	68		10-120
367-12-4	2-Fluorophenol	71		37-125
321-60-8	2-Fluorobiphenyl	47		40-109

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-11 Lab Sample ID: 460-41546-20
Matrix: Solid Lab File ID: u77722.d
Analysis Method: 8270C Date Collected: 06/20/2012 13:52
Extract. Method: 3541 Date Extracted: 06/22/2012 08:58
Sample wt/vol: 15.02(g) Date Analyzed: 06/25/2012 14:45
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 10.1 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117489 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/BNAMS4.i/8270T/06-20-12/25jun12.b/u77722.d
 Report Date: 26-Jun-2012 10:02

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77722.d
 Lab Smp Id: 460-41546-D-20-A Client Smp ID: F-11
 Inj Date : 25-JUN-2012 14:45
 Operator : BNAMS 4 Inst ID: BNAMS4.i
 Smp Info : 460-41546-D-20-A
 Misc Info : 460-41546-D-20-A
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/8270C_11.m
 Meth Date : 25-Jun-2012 13:19 czhao Quant Type: ISTD
 Cal Date : 20-JUN-2012 17:43 Cal File: u77571.d
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	10.08547	% 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	2.446	2.438	(0.661)	223531	70.9048	5200
\$ 17 Phenol-d5 (SUR)		99	3.370	3.387	(0.911)	422550	90.7845	6700
* 79 1,4-Dichlorobenzene-d4		152	3.699	3.706	(1.000)	93261	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)		82	4.272	4.288	(0.855)	127748	21.8843	1600
15 Benzoic Acid		122	4.821	4.933	(0.964)	5554	3.55682	260(a)
* 80 Naphthalene-d8		136	4.999	5.013	(1.000)	378445	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)		172	6.107	6.115	(0.903)	203951	23.5594	1700
* 82 Acenaphthene-d10		164	6.760	6.772	(1.000)	272946	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)		330	7.545	7.558	(1.116)	114521	67.6561	5000
* 83 Phenanthrene-d10		188	8.219	8.228	(1.000)	477341	40.0000	
\$ 78 Terphenyl-d14		244	9.798	9.795	(0.902)	366372	46.5504	3400
* 81 Chrysene-d12		240	10.858	10.867	(1.000)	313976	40.0000	
* 84 Perylene-d12		264	12.612	12.614	(1.000)	242900	40.0000	

Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77722.d
Report Date: 26-Jun-2012 10:02

QC Flag Legend

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

Data File: u77722.d

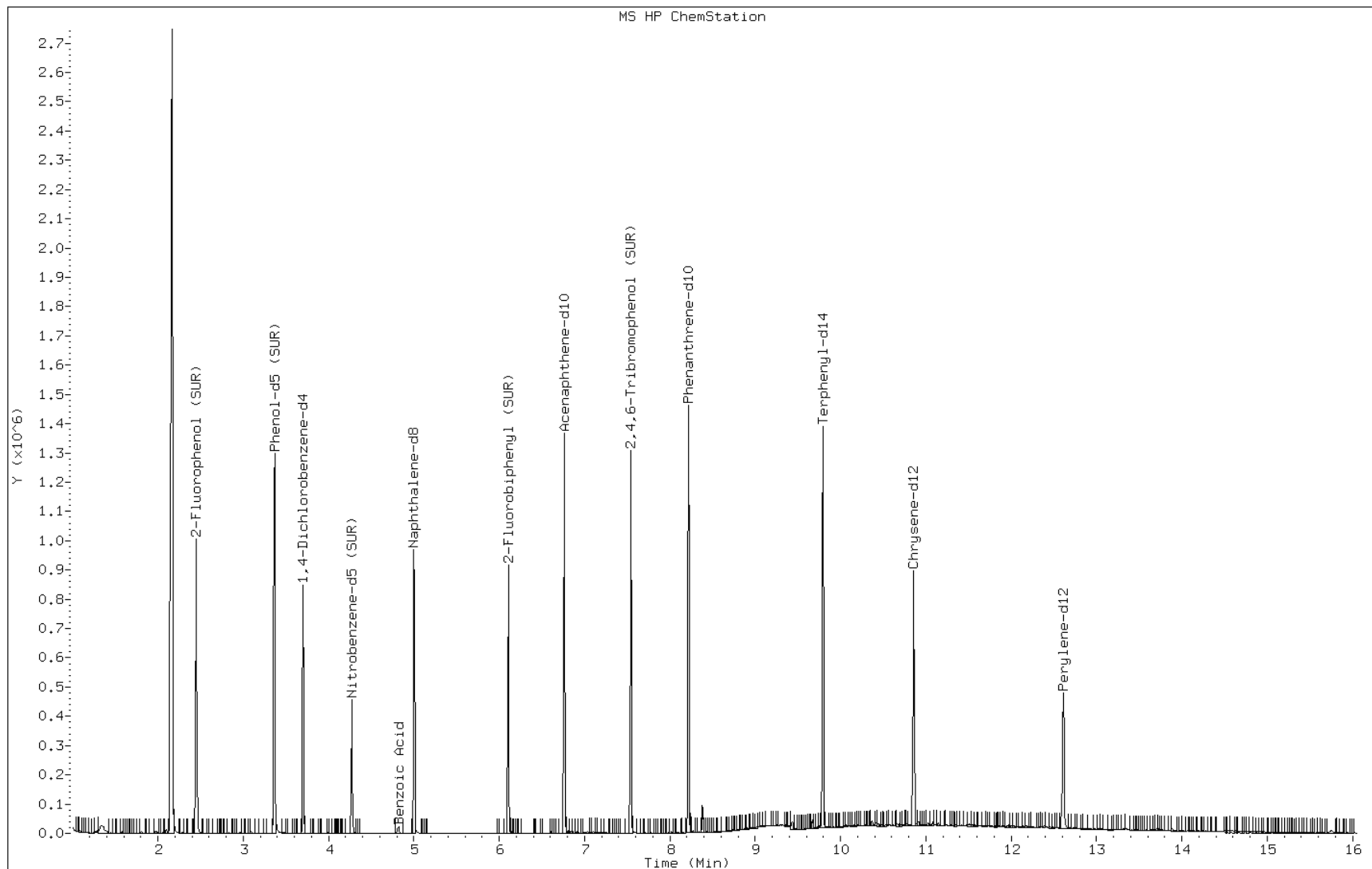
Date: 25-JUN-2012 14:45

Client ID: F-11

Instrument: BNAMS4.i

Sample Info: 460-41546-D-20-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-12</u>	Lab Sample ID: <u>460-41546-21</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z19066.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 15:10</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:49</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>06/26/2012 11:36</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117976</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	48	U	360	48
95-57-8	2-Chlorophenol	47	U	360	47
95-48-7	2-Methylphenol	61	U	360	61
106-44-5	4-Methylphenol	70	U	360	70
100-52-7	Benzaldehyde	42	U	360	42
98-86-2	Acetophenone	55	U	360	55
111-44-4	Bis(2-chloroethyl) ether	4.9	U	36	4.9
108-60-1	2,2'-oxybis[1-chloropropane]	39	U	360	39
621-64-7	N-Nitrosodi-n-propylamine	5.9	U	36	5.9
98-95-3	Nitrobenzene	5.1	U	36	5.1
67-72-1	Hexachloroethane	4.0	U	36	4.0
78-59-1	Isophorone	43	U	360	43
88-75-5	2-Nitrophenol	40	U	360	40
105-67-9	2,4-Dimethylphenol	88	U	360	88
120-83-2	2,4-Dichlorophenol	52	U	360	52
111-91-1	Bis(2-chloroethoxy) methane	46	U	360	46
91-20-3	Naphthalene	41	U	360	41
106-47-8	4-Chloroaniline	94	U	360	94
87-68-3	Hexachlorobutadiene	8.7	U	72	8.7
105-60-2	Caprolactam	82	U	360	82
59-50-7	4-Chloro-3-methylphenol	54	U	360	54
91-57-6	2-Methylnaphthalene	46	U	360	46
118-74-1	Hexachlorobenzene	4.9	U	36	4.9
77-47-4	Hexachlorocyclopentadiene	42	U	360	42
88-06-2	2,4,6-Trichlorophenol	42	U	360	42
95-95-4	2,4,5-Trichlorophenol	46	U	360	46
92-52-4	Diphenyl	48	U	360	48
91-58-7	2-Chloronaphthalene	40	U	360	40
88-74-4	2-Nitroaniline	150	U	720	150
606-20-2	2,6-Dinitrotoluene	11	U	72	11
131-11-3	Dimethyl phthalate	42	U	360	42
208-96-8	Acenaphthylene	42	U	360	42
99-09-2	3-Nitroaniline	130	U	720	130
83-32-9	Acenaphthene	52	U	360	52

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-12</u>	Lab Sample ID: <u>460-41546-21</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z19066.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 15:10</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:49</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>06/26/2012 11:36</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117976</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	230	U	1100	230
51-28-5	2,4-Dinitrophenol	200	U	1100	200
132-64-9	Dibenzofuran	42	U	360	42
84-66-2	Diethyl phthalate	42	U	360	42
86-73-7	Fluorene	46	U	360	46
206-44-0	Fluoranthene	47	U	360	47
84-74-2	Di-n-butyl phthalate	44	U	360	44
121-14-2	2,4-Dinitrotoluene	12	U	72	12
7005-72-3	4-Chlorophenyl phenyl ether	42	U	360	42
100-01-6	4-Nitroaniline	110	U	720	110
534-52-1	4,6-Dinitro-2-methylphenol	97	U	1100	97
101-55-3	4-Bromophenyl phenyl ether	35	U	360	35
1912-24-9	Atrazine	55	U	360	55
120-12-7	Anthracene	43	U	360	43
86-74-8	Carbazole	42	U	360	42
85-01-8	Phenanthrene	45	U	360	45
87-86-5	Pentachlorophenol	110	U	1100	110
129-00-0	Pyrene	30	U	360	30
218-01-9	Chrysene	42	U	360	42
207-08-9	Benzo[k]fluoranthene	2.7	U	36	2.7
191-24-2	Benzo[g,h,i]perylene	26	U	360	26
205-99-2	Benzo[b]fluoranthene	2.3	U	36	2.3
50-32-8	Benzo[a]pyrene	2.5	U	36	2.5
56-55-3	Benzo[a]anthracene	2.5	U	36	2.5
86-30-6	N-Nitrosodiphenylamine	35	U	360	35
85-68-7	Butyl benzyl phthalate	33	U	360	33
117-81-7	Bis(2-ethylhexyl) phthalate	120	U	360	120
117-84-0	Di-n-octyl phthalate	23	U	360	23
193-39-5	Indeno[1,2,3-cd]pyrene	6.6	U	36	6.6
53-70-3	Dibenz(a,h)anthracene	4.5	U	36	4.5
91-94-1	3,3'-Dichlorobenzidine	120	U	720	120
95-94-3	1,2,4,5-Tetrachlorobenzene	48	U	360	48
58-90-2	2,3,4,6-Tetrachlorophenol	46	U	360	46
123-91-1	1,4-Dioxane	26	U	360	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-12 Lab Sample ID: 460-41546-21
Matrix: Solid Lab File ID: z19066.d
Analysis Method: 8270C Date Collected: 06/20/2012 15:10
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 15.02(g) Date Analyzed: 06/26/2012 11:36
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 7.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117976 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	61		38-105
4165-62-2	Phenol-d5	90		41-118
1718-51-0	Terphenyl-d14	94		16-151
118-79-6	2,4,6-Tribromophenol	66		10-120
367-12-4	2-Fluorophenol	74		37-125
321-60-8	2-Fluorobiphenyl	60		40-109

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-12 Lab Sample ID: 460-41546-21
Matrix: Solid Lab File ID: z19066.d
Analysis Method: 8270C Date Collected: 06/20/2012 15:10
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 15.02(g) Date Analyzed: 06/26/2012 11:36
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 7.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117976 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/8270/06-24-12/26jun12.b/z19066.d
 Report Date: 01-Jul-2012 13:46

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19066.d
 Lab Smp Id: 460-41546-D-21-C Client Smp ID: F-12
 Inj Date : 26-JUN-2012 11:36
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-41546-D-21-C
 Misc Info : 460-41546-D-21-C
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/8270C_11.m
 Meth Date : 26-Jun-2012 09:07 croccom Quant Type: ISTD
 Cal Date : 25-JUN-2012 01:50 Cal File: z19018.d
 Als bottle: 9
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	7.27969	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG							CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
							(ug/ml)	(ug/Kg)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 16 2-Fluorophenol (SUR)	112	2.232	2.179	(0.655)	649487	74.3279	5300		
\$ 17 Phenol-d5 (SUR)	99	3.085	3.091	(0.905)	923095	89.6819	6400		
* 79 1,4-Dichlorobenzene-d4	152	3.408	3.408	(1.000)	263897	40.0000			
\$ 76 Nitrobenzene-d5 (SUR)	82	3.979	3.996	(0.846)	297556	30.4359	2200		
* 80 Naphthalene-d8	136	4.702	4.714	(1.000)	1055238	40.0000			
\$ 77 2-Fluorobiphenyl (SUR)	172	5.808	5.820	(0.900)	570821	30.1915	2200		
* 82 Acenaphthene-d10	164	6.455	6.461	(1.000)	537987	40.0000			
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.226	7.231	(1.119)	133671	65.5351	4700		
* 83 Phenanthrene-d10	188	7.890	7.896	(1.000)	719748	40.0000			
52 Phenanthrene	178	7.908	7.920	(1.002)	6079	0.30928	22(a)		
56 Fluoranthene	202	9.061	9.067	(1.148)	2213	0.13422	9.6(a)		
\$ 78 Terphenyl-d14	244	9.467	9.467	(0.904)	505112	46.9745	3400		
* 81 Chrysene-d12	240	10.467	10.472	(1.000)	342286	40.0000			

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19066.d
Report Date: 01-Jul-2012 13:46

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS						ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====	=====	=====	
* 84 Perylene-d12	264		12.102	12.102	(1.000)	218229	40.0000	

QC Flag Legend

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

Data File: z19066.d

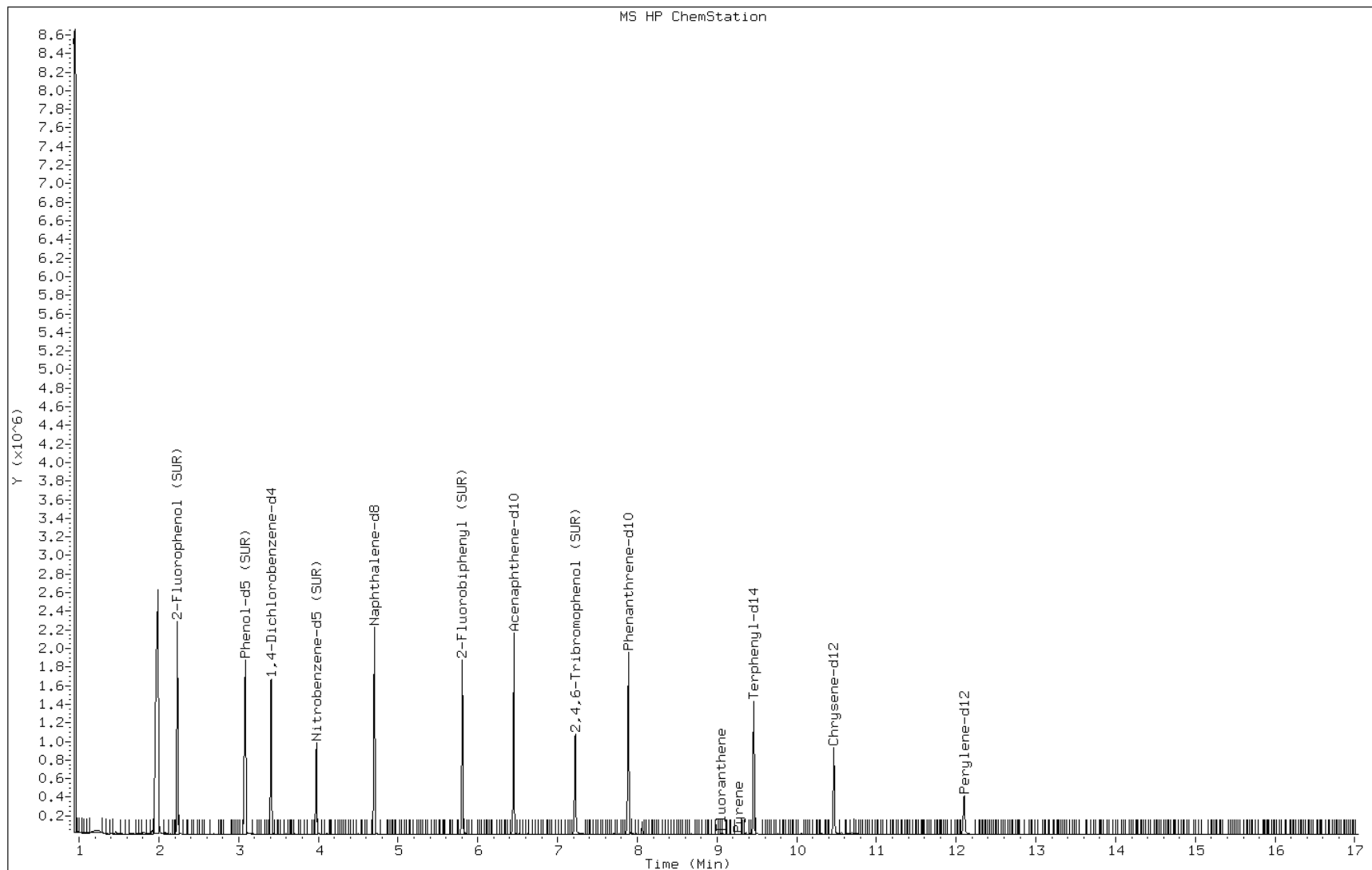
Date: 26-JUN-2012 11:36

Client ID: F-12

Instrument: BNAMS11.i

Sample Info: 460-41546-D-21-C

Operator: BNAMS 4

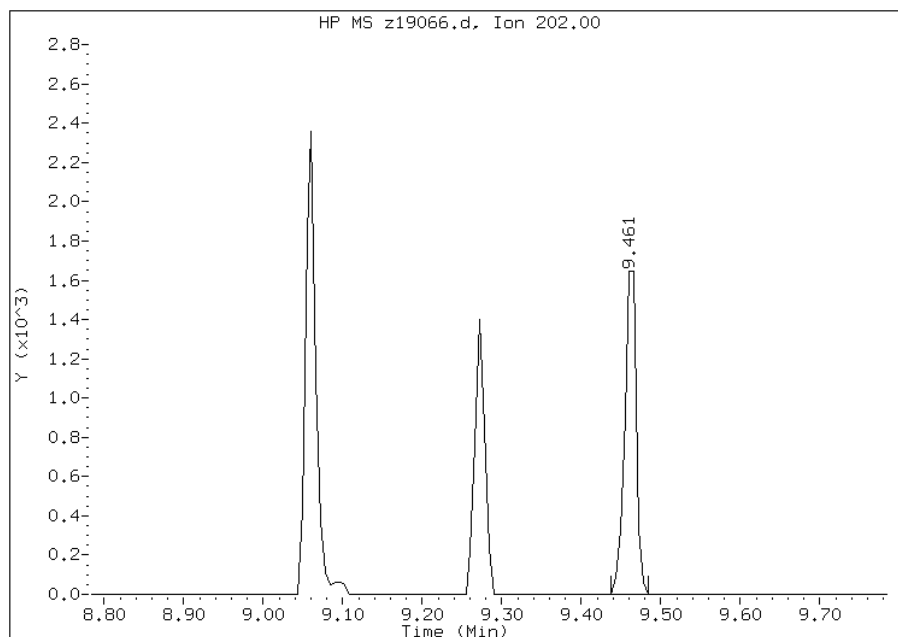


Manual Integration Report

Data File: z19066.d
Inj. Date and Time: 26-JUN-2012 11:36
Instrument ID: BNAMS11.i
Client ID: F-12
Compound: 57 Pyrene
CAS #: 129-00-0
Report Date: 07/01/2012

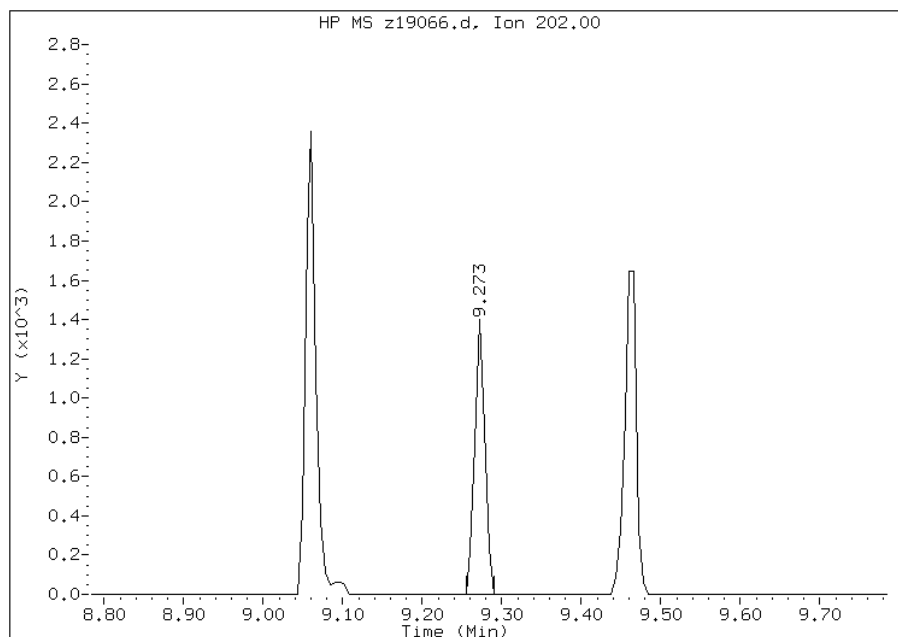
Processing Integration Results

RT: 9.46
Response: 1761
Amount: 0
Conc: 8



Manual Integration Results

RT: 9.27
Response: 1217
Amount: 0
Conc: 5



Manually Integrated By: wahied
Manual Integration Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-13</u>	Lab Sample ID: <u>460-41546-22</u>
Matrix: <u>Solid</u>	Lab File ID: <u>u77744.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 15:20</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:58</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>06/25/2012 22:11</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>10.0</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117489</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	49	U	370	49
95-57-8	2-Chlorophenol	48	U	370	48
95-48-7	2-Methylphenol	63	U	370	63
106-44-5	4-Methylphenol	72	U	370	72
100-52-7	Benzaldehyde	43	U	370	43
98-86-2	Acetophenone	56	U	370	56
111-44-4	Bis(2-chloroethyl) ether	5.0	U	37	5.0
108-60-1	2,2'-oxybis[1-chloropropane]	41	U	370	41
621-64-7	N-Nitrosodi-n-propylamine	6.1	U	37	6.1
98-95-3	Nitrobenzene	5.2	U	37	5.2
67-72-1	Hexachloroethane	4.1	U	37	4.1
78-59-1	Isophorone	45	U	370	45
88-75-5	2-Nitrophenol	41	U	370	41
105-67-9	2,4-Dimethylphenol	91	U	370	91
120-83-2	2,4-Dichlorophenol	54	U	370	54
111-91-1	Bis(2-chloroethoxy)methane	47	U	370	47
91-20-3	Naphthalene	43	U	370	43
106-47-8	4-Chloroaniline	97	U	370	97
87-68-3	Hexachlorobutadiene	9.0	U	74	9.0
105-60-2	Caprolactam	85	U	370	85
59-50-7	4-Chloro-3-methylphenol	55	U	370	55
91-57-6	2-Methylnaphthalene	47	U	370	47
118-74-1	Hexachlorobenzene	5.0	U	37	5.0
77-47-4	Hexachlorocyclopentadiene	43	U	370	43
88-06-2	2,4,6-Trichlorophenol	43	U	370	43
95-95-4	2,4,5-Trichlorophenol	47	U	370	47
92-52-4	Diphenyl	49	U	370	49
91-58-7	2-Chloronaphthalene	41	U	370	41
88-74-4	2-Nitroaniline	150	U	740	150
606-20-2	2,6-Dinitrotoluene	11	U	74	11
131-11-3	Dimethyl phthalate	44	U	370	44
208-96-8	Acenaphthylene	43	U	370	43
99-09-2	3-Nitroaniline	130	U	740	130
83-32-9	Acenaphthene	54	U	370	54

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-13</u>	Lab Sample ID: <u>460-41546-22</u>
Matrix: <u>Solid</u>	Lab File ID: <u>u77744.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 15:20</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:58</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>06/25/2012 22:11</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>10.0</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117489</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	240	U	1100	240
51-28-5	2,4-Dinitrophenol	210	U	1100	210
132-64-9	Dibenzofuran	43	U	370	43
84-66-2	Diethyl phthalate	44	U	370	44
86-73-7	Fluorene	47	U	370	47
206-44-0	Fluoranthene	49	U	370	49
84-74-2	Di-n-butyl phthalate	45	U	370	45
121-14-2	2,4-Dinitrotoluene	12	U	74	12
7005-72-3	4-Chlorophenyl phenyl ether	43	U	370	43
100-01-6	4-Nitroaniline	110	U	740	110
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1100	100
101-55-3	4-Bromophenyl phenyl ether	36	U	370	36
1912-24-9	Atrazine	57	U	370	57
120-12-7	Anthracene	45	U	370	45
86-74-8	Carbazole	43	U	370	43
85-01-8	Phenanthrene	47	U	370	47
87-86-5	Pentachlorophenol	110	U	1100	110
129-00-0	Pyrene	31	U	370	31
218-01-9	Chrysene	43	U	370	43
207-08-9	Benzo[k]fluoranthene	2.8	U	37	2.8
191-24-2	Benzo[g,h,i]perylene	27	U	370	27
205-99-2	Benzo[b]fluoranthene	2.3	U	37	2.3
50-32-8	Benzo[a]pyrene	2.6	U	37	2.6
56-55-3	Benzo[a]anthracene	2.6	U	37	2.6
86-30-6	N-Nitrosodiphenylamine	36	U	370	36
85-68-7	Butyl benzyl phthalate	34	U	370	34
117-81-7	Bis(2-ethylhexyl) phthalate	120	U	370	120
117-84-0	Di-n-octyl phthalate	23	U	370	23
193-39-5	Indeno[1,2,3-cd]pyrene	6.8	U	37	6.8
53-70-3	Dibenz(a,h)anthracene	4.6	U	37	4.6
91-94-1	3,3'-Dichlorobenzidine	130	U	740	130
95-94-3	1,2,4,5-Tetrachlorobenzene	49	U *	370	49
58-90-2	2,3,4,6-Tetrachlorophenol	48	U	370	48
123-91-1	1,4-Dioxane	27	U	370	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-13 Lab Sample ID: 460-41546-22
Matrix: Solid Lab File ID: u77744.d
Analysis Method: 8270C Date Collected: 06/20/2012 15:20
Extract. Method: 3541 Date Extracted: 06/22/2012 08:58
Sample wt/vol: 15.02(g) Date Analyzed: 06/25/2012 22:11
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 10.0 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117489 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	48		38-105
4165-62-2	Phenol-d5	79		41-118
1718-51-0	Terphenyl-d14	102		16-151
118-79-6	2,4,6-Tribromophenol	57		10-120
367-12-4	2-Fluorophenol	68		37-125
321-60-8	2-Fluorobiphenyl	58		40-109

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-13 Lab Sample ID: 460-41546-22
Matrix: Solid Lab File ID: u77744.d
Analysis Method: 8270C Date Collected: 06/20/2012 15:20
Extract. Method: 3541 Date Extracted: 06/22/2012 08:58
Sample wt/vol: 15.02(g) Date Analyzed: 06/25/2012 22:11
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 10.0 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117489 Units: ug/Kg
Number TICs Found: 5 TIC Result Total: 2480

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown-1	9.67	350	J
	Unknown-2	13.33	480	J
	Unknown-3	13.56	590	J
	Unknown-4	13.71	410	J
	Unknown-5	15.11	650	J

Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77744.d
 Report Date: 30-Jun-2012 12:53

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77744.d
 Lab Smp Id: 460-41546-D-22-A Client Smp ID: F-13
 Inj Date : 25-JUN-2012 22:11
 Operator : BNAMS 4 Inst ID: BNAMS4.i
 Smp Info : 460-41546-D-22-A
 Misc Info : 460-41546-D-22-A
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/8270C_11.m
 Meth Date : 25-Jun-2012 13:19 czhao Quant Type: ISTD
 Cal Date : 20-JUN-2012 17:43 Cal File: u77571.d
 Als bottle: 27
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	10.03401	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN FINAL (ug/ml) (ug/Kg)
=====	=====	=====	==	=====	=====	=====	=====
\$ 16 2-Fluorophenol (SUR)	112	2.449	2.438	(0.662)	225235	68.1096	5000
\$ 17 Phenol-d5 (SUR)	99	3.367	3.387	(0.910)	387577	79.3829	5900
* 79 1,4-Dichlorobenzene-d4	152	3.698	3.706	(1.000)	97828	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	4.272	4.288	(0.854)	139204	23.9712	1800
* 80 Naphthalene-d8	136	5.002	5.013	(1.000)	376481	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	6.106	6.115	(0.903)	242955	29.0603	2200
* 82 Acenaphthene-d10	164	6.760	6.772	(1.000)	263597	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.541	7.558	(1.116)	93043	56.9172	4200
* 83 Phenanthrene-d10	188	8.215	8.228	(1.000)	420518	40.0000	
\$ 78 Terphenyl-d14	244	9.793	9.795	(0.902)	307980	50.9374	3800
* 81 Chrysene-d12	240	10.857	10.867	(1.000)	241203	40.0000	
* 84 Perylene-d12	264	12.609	12.614	(1.000)	190102	40.0000	

Data File: u77744.d

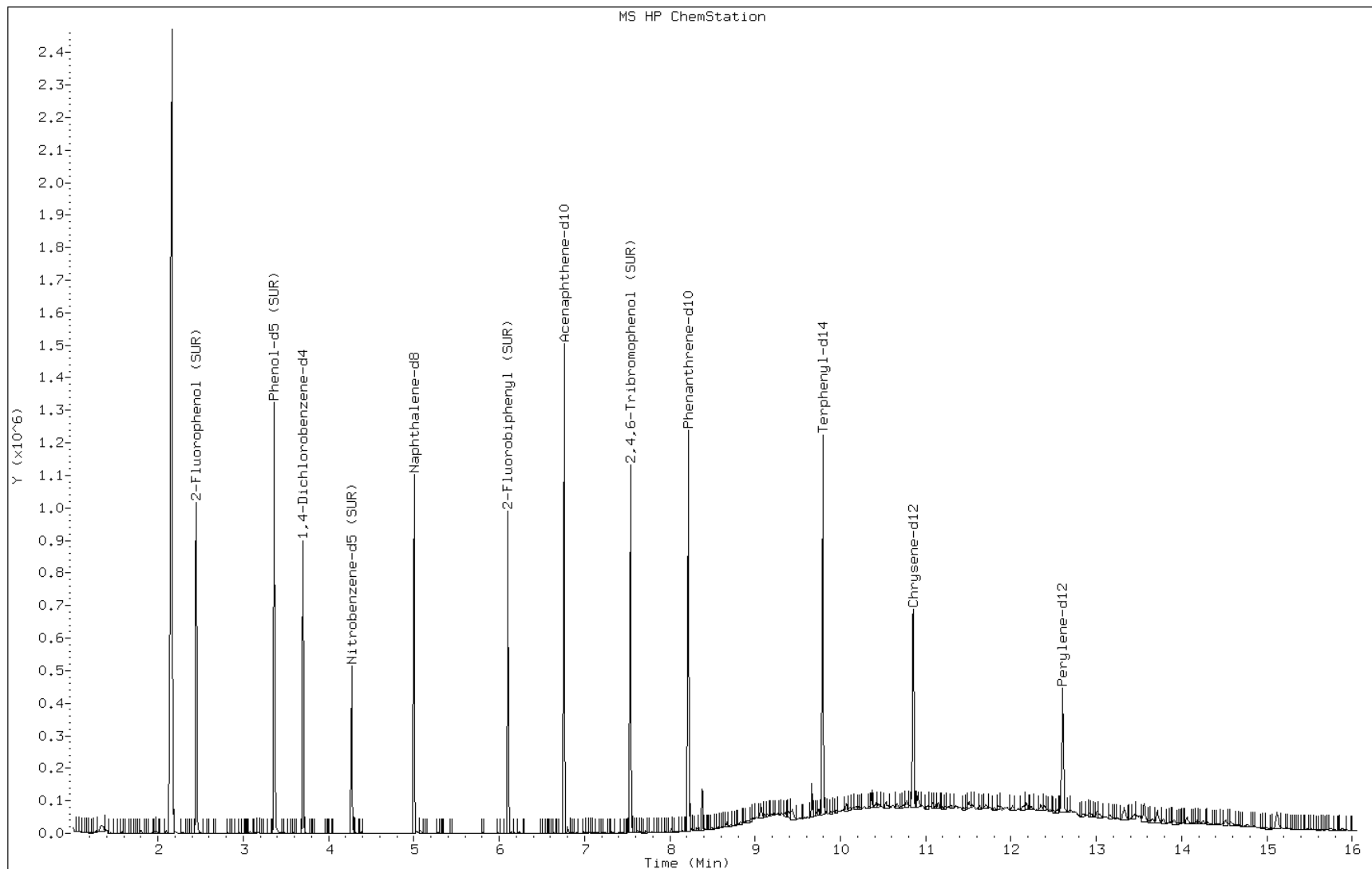
Date: 25-JUN-2012 22:11

Client ID: F-13

Instrument: BNAMS4.i

Sample Info: 460-41546-D-22-A

Operator: BNAMS 4



Data File: u77744.d

Date: 25-JUN-2012 22:11

Client ID: F-13

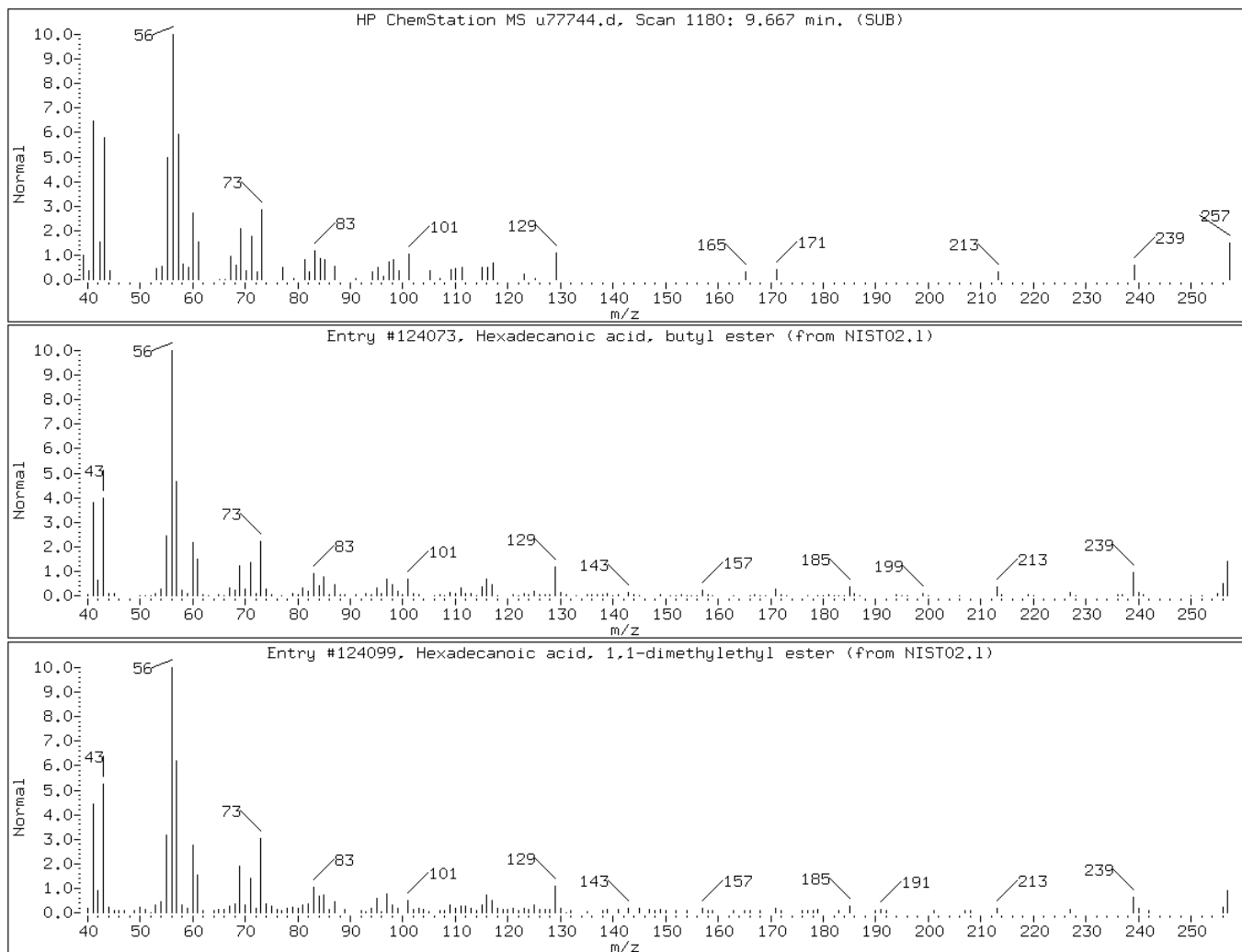
Instrument: BNAMS4.i

Sample Info: 460-41546-D-22-A

Operator: BNAMS 4

Retention Time: 9.67

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-1						
Hexadecanoic acid, butyl ester	111-06-8	NIST02.1	124073	91	C20H40O2	312
Hexadecanoic acid, 1,1-dimethyleth	31158-91-5	NIST02.1	124099	87	C20H40O2	312



Data File: u77744.d

Date: 25-JUN-2012 22:11

Client ID: F-13

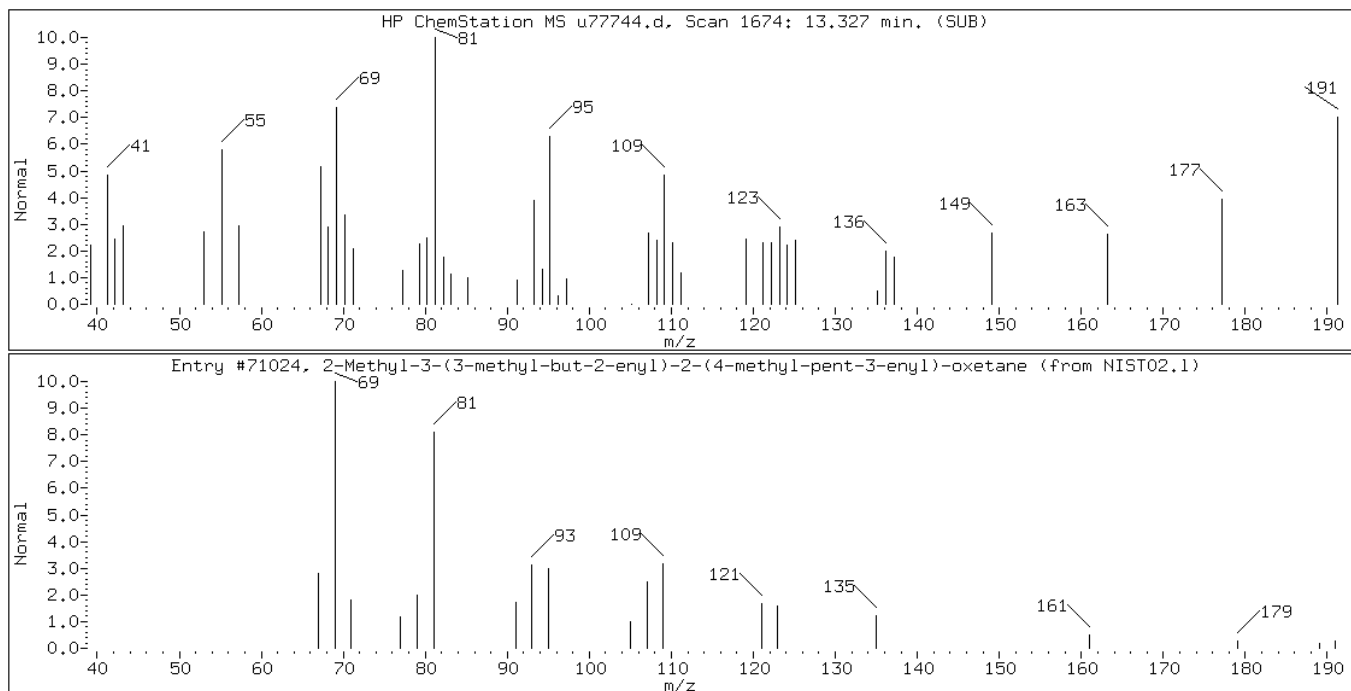
Instrument: BNAMS4.i

Sample Info: 460-41546-D-22-A

Operator: BNAMS 4

Retention Time: 13.33

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-2						
2-Methyl-3-(3-methyl-but-2-enyl)-2	1000144-10-2	NIST02.1	71024	22	C ₁₅ H ₂₆ O	222



Data File: u77744.d

Date: 25-JUN-2012 22:11

Client ID: F-13

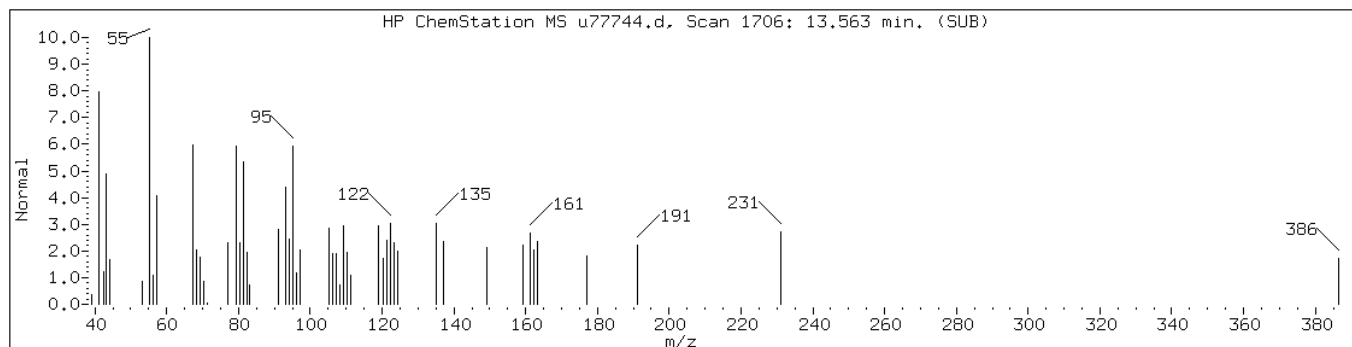
Instrument: BNAMS4.i

Sample Info: 460-41546-D-22-A

Operator: BNAMS 4

Retention Time: 13.56

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-3						
Unknown						



Data File: u77744.d

Date: 25-JUN-2012 22:11

Client ID: F-13

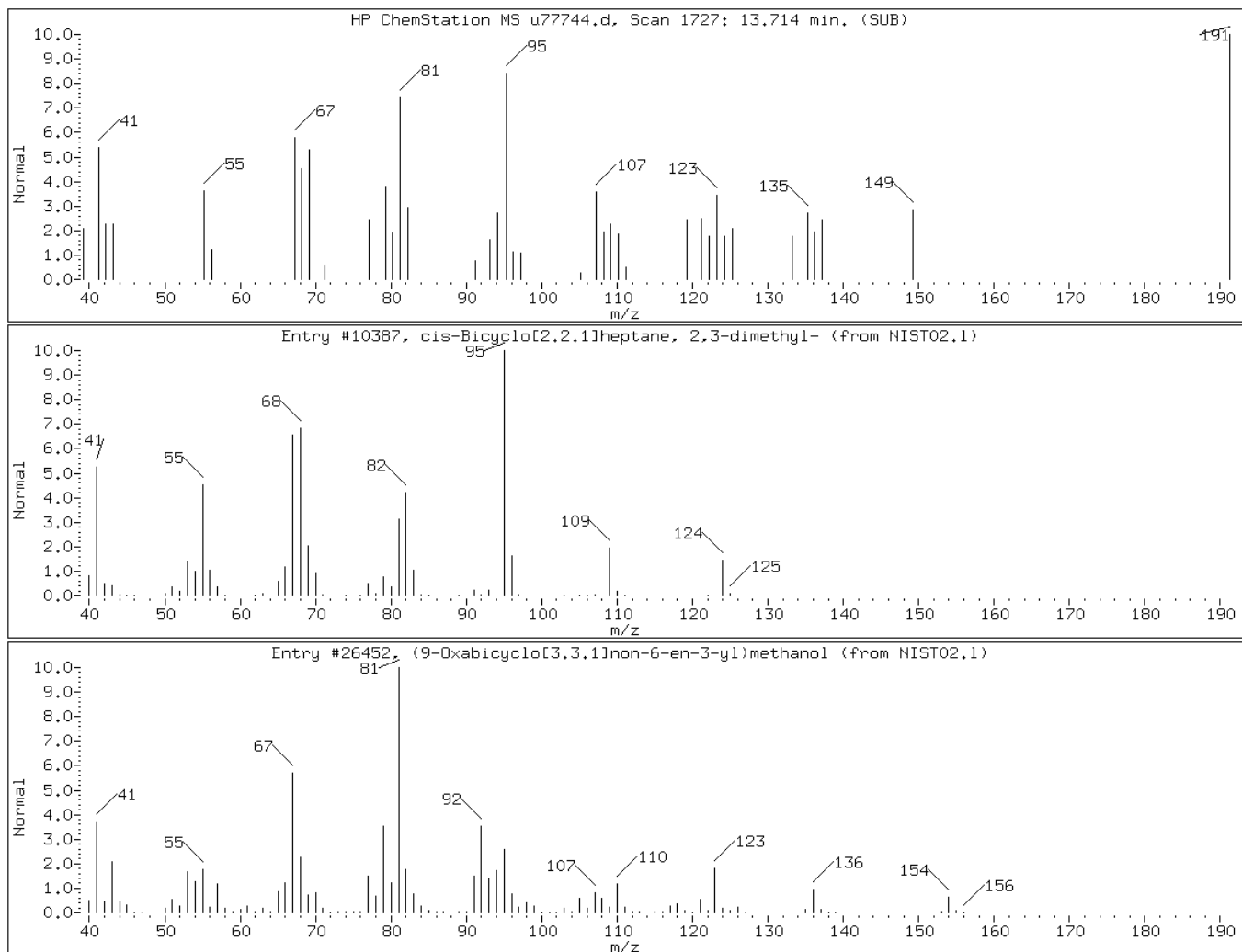
Instrument: BNAMS4.i

Sample Info: 460-41546-D-22-A

Operator: BNAMS 4

Retention Time: 13.71

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-4						
cis-Bicyclo[2.2.1]heptane, 2,3-dim	1000262-02-5	NIST02.1	10387	25	C9H16	124
(9-Oxabicyclo[3.3.1]non-6-en-3-yl)	1000191-02-8	NIST02.1	26452	22	C9H14O2	154



Data File: u77744.d

Date: 25-JUN-2012 22:11

Client ID: F-13

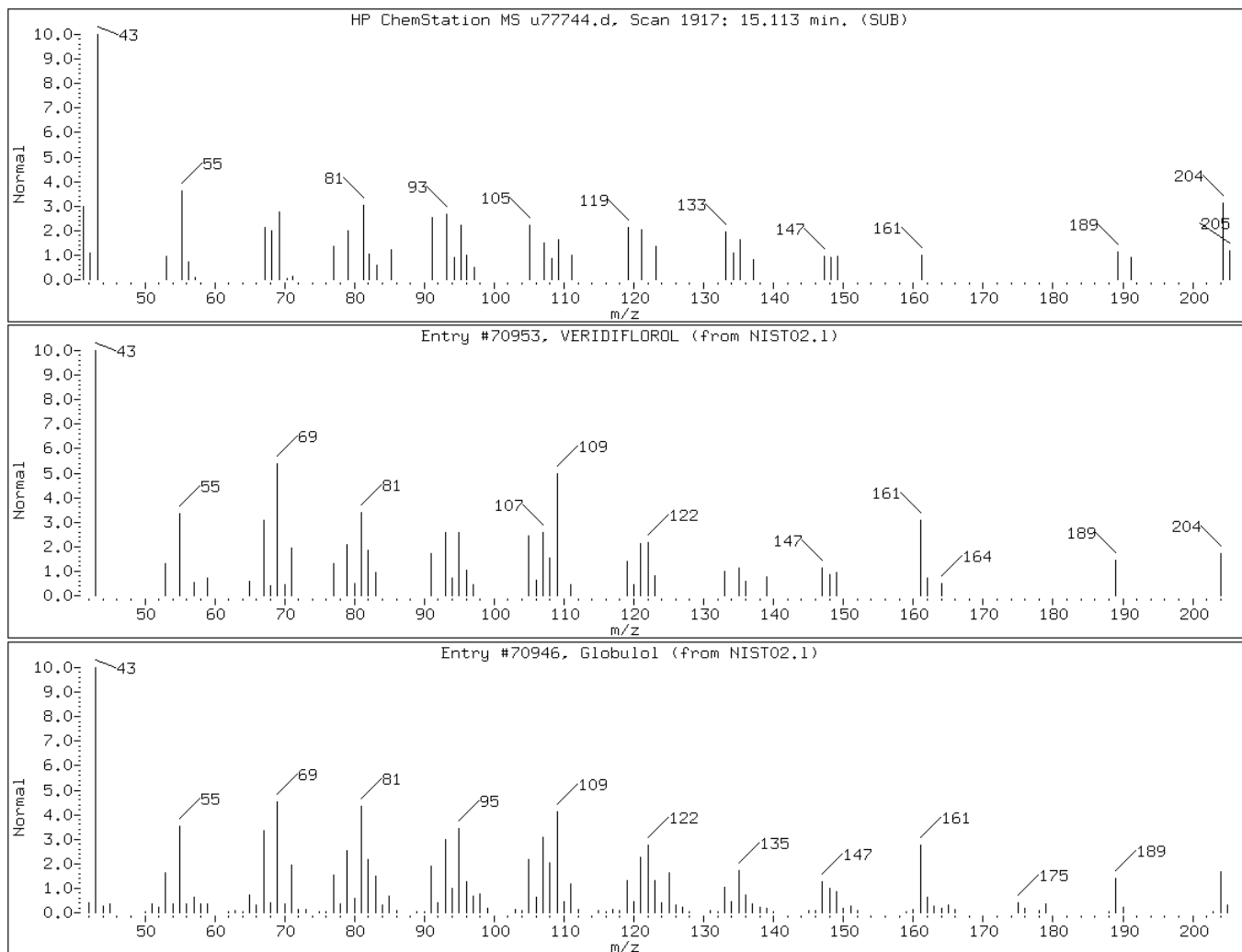
Instrument: BNAMS4.i

Sample Info: 460-41546-D-22-A

Operator: BNAMS 4

Retention Time: 15.11

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-5						
VERIDIFLOROL	1000122-17-3	NIST02.1	70953	32	C ₁₅ H ₂₆ O	222
Globulol	51371-47-2	NIST02.1	70946	32	C ₁₅ H ₂₆ O	222



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>FB-E</u>	Lab Sample ID: <u>460-41546-23</u>
Matrix: <u>Solid</u>	Lab File ID: <u>u77723.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 00:00</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:58</u>
Sample wt/vol: <u>15.03(g)</u>	Date Analyzed: <u>06/25/2012 15:06</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>11.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117489</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	50	U	370	50
95-57-8	2-Chlorophenol	49	U	370	49
95-48-7	2-Methylphenol	64	U	370	64
106-44-5	4-Methylphenol	74	U	370	74
100-52-7	Benzaldehyde	44	U	370	44
98-86-2	Acetophenone	58	U	370	58
111-44-4	Bis(2-chloroethyl) ether	5.1	U	37	5.1
108-60-1	2,2'-oxybis[1-chloropropane]	41	U	370	41
621-64-7	N-Nitrosodi-n-propylamine	6.2	U	37	6.2
98-95-3	Nitrobenzene	5.3	U	37	5.3
67-72-1	Hexachloroethane	4.2	U	37	4.2
78-59-1	Isophorone	45	U	370	45
88-75-5	2-Nitrophenol	42	U	370	42
105-67-9	2,4-Dimethylphenol	92	U	370	92
120-83-2	2,4-Dichlorophenol	55	U	370	55
111-91-1	Bis(2-chloroethoxy) methane	48	U	370	48
91-20-3	Naphthalene	43	U	370	43
106-47-8	4-Chloroaniline	99	U	370	99
87-68-3	Hexachlorobutadiene	9.1	U	76	9.1
105-60-2	Caprolactam	86	U	370	86
59-50-7	4-Chloro-3-methylphenol	56	U	370	56
91-57-6	2-Methylnaphthalene	48	U	370	48
118-74-1	Hexachlorobenzene	5.1	U	37	5.1
77-47-4	Hexachlorocyclopentadiene	44	U	370	44
88-06-2	2,4,6-Trichlorophenol	44	U	370	44
95-95-4	2,4,5-Trichlorophenol	48	U	370	48
92-52-4	Diphenyl	50	U	370	50
91-58-7	2-Chloronaphthalene	42	U	370	42
88-74-4	2-Nitroaniline	160	U	760	160
606-20-2	2,6-Dinitrotoluene	11	U	76	11
131-11-3	Dimethyl phthalate	44	U	370	44
208-96-8	Acenaphthylene	44	U	370	44
99-09-2	3-Nitroaniline	130	U	760	130
83-32-9	Acenaphthene	55	U	370	55

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>FB-E</u>	Lab Sample ID: <u>460-41546-23</u>
Matrix: <u>Solid</u>	Lab File ID: <u>u77723.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 00:00</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:58</u>
Sample wt/vol: <u>15.03(g)</u>	Date Analyzed: <u>06/25/2012 15:06</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>11.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117489</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	240	U	1100	240
51-28-5	2,4-Dinitrophenol	210	U	1100	210
132-64-9	Dibenzofuran	44	U	370	44
84-66-2	Diethyl phthalate	45	U	370	45
86-73-7	Fluorene	48	U	370	48
206-44-0	Fluoranthene	50	U	370	50
84-74-2	Di-n-butyl phthalate	46	U	370	46
121-14-2	2,4-Dinitrotoluene	12	U	76	12
7005-72-3	4-Chlorophenyl phenyl ether	44	U	370	44
100-01-6	4-Nitroaniline	120	U	760	120
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1100	100
101-55-3	4-Bromophenyl phenyl ether	37	U	370	37
1912-24-9	Atrazine	58	U	370	58
120-12-7	Anthracene	46	U	370	46
86-74-8	Carbazole	44	U	370	44
85-01-8	Phenanthrene	48	U	370	48
87-86-5	Pentachlorophenol	110	U	1100	110
129-00-0	Pyrene	31	U	370	31
218-01-9	Chrysene	44	U	370	44
207-08-9	Benzo[k]fluoranthene	2.8	U	37	2.8
191-24-2	Benzo[g,h,i]perylene	28	U	370	28
205-99-2	Benzo[b]fluoranthene	2.4	U	37	2.4
50-32-8	Benzo[a]pyrene	2.6	U	37	2.6
56-55-3	Benzo[a]anthracene	2.6	U	37	2.6
86-30-6	N-Nitrosodiphenylamine	37	U	370	37
85-68-7	Butyl benzyl phthalate	34	U	370	34
117-81-7	Bis(2-ethylhexyl) phthalate	150	J	370	120
117-84-0	Di-n-octyl phthalate	24	U	370	24
193-39-5	Indeno[1,2,3-cd]pyrene	7.0	U	37	7.0
53-70-3	Dibenz(a,h)anthracene	4.7	U	37	4.7
91-94-1	3,3'-Dichlorobenzidine	130	U	760	130
95-94-3	1,2,4,5-Tetrachlorobenzene	50	U *	370	50
58-90-2	2,3,4,6-Tetrachlorophenol	49	U	370	49
123-91-1	1,4-Dioxane	27	U	370	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: FB-E Lab Sample ID: 460-41546-23
Matrix: Solid Lab File ID: u77723.d
Analysis Method: 8270C Date Collected: 06/20/2012 00:00
Extract. Method: 3541 Date Extracted: 06/22/2012 08:58
Sample wt/vol: 15.03(g) Date Analyzed: 06/25/2012 15:06
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 11.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117489 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	46		38-105
4165-62-2	Phenol-d5	85		41-118
1718-51-0	Terphenyl-d14	86		16-151
118-79-6	2,4,6-Tribromophenol	59		10-120
367-12-4	2-Fluorophenol	67		37-125
321-60-8	2-Fluorobiphenyl	45		40-109

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: FB-E Lab Sample ID: 460-41546-23
Matrix: Solid Lab File ID: u77723.d
Analysis Method: 8270C Date Collected: 06/20/2012 00:00
Extract. Method: 3541 Date Extracted: 06/22/2012 08:58
Sample wt/vol: 15.03(g) Date Analyzed: 06/25/2012 15:06
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 11.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117489 Units: ug/Kg
Number TICs Found: 1 TIC Result Total: 360

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Degradation product of 2,4,6-Tribromophenol(sur)	8.39	360	J

Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77723.d
 Report Date: 26-Jun-2012 09:26

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77723.d
 Lab Smp Id: 460-41546-D-23-A Client Smp ID: FB-E
 Inj Date : 25-JUN-2012 15:06
 Operator : BNAMS 4 Inst ID: BNAMS4.i
 Smp Info : 460-41546-D-23-A
 Misc Info : 460-41546-D-23-A
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/8270C_11.m
 Meth Date : 25-Jun-2012 13:19 czhao Quant Type: ISTD
 Cal Date : 20-JUN-2012 17:43 Cal File: u77571.d
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	15.03000	Weight of sample extracted (g)
M	11.85468	% 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	2.450	2.438	(0.662)	230936	67.2321	5100
\$ 17 Phenol-d5 (SUR)		99	3.369	3.387	(0.910)	430167	84.8238	6400
* 79 1,4-Dichlorobenzene-d4		152	3.701	3.706	(1.000)	101614	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)		82	4.272	4.288	(0.853)	132945	22.9207	1700
* 80 Naphthalene-d8		136	5.005	5.013	(1.000)	376032	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)		172	6.104	6.115	(0.902)	196838	22.3012	1700
* 82 Acenaphthene-d10		164	6.765	6.772	(1.000)	278290	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)		330	7.548	7.558	(1.116)	101569	58.8523	4400
* 83 Phenanthrene-d10		188	8.224	8.228	(1.000)	530215	40.0000	
\$ 78 Terphenyl-d14		244	9.794	9.795	(0.902)	396614	42.9034	3200
* 81 Chrysene-d12		240	10.860	10.867	(1.000)	368785	40.0000	
63 bis(2-Ethylhexyl)phthalate		149	10.912	10.918	(1.005)	17663	2.00494	150(aH)
* 84 Perylene-d12		264	12.610	12.614	(1.000)	282142	40.0000	

Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77723.d
Report Date: 26-Jun-2012 09:26

QC Flag Legend

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

Data File: u77723.d

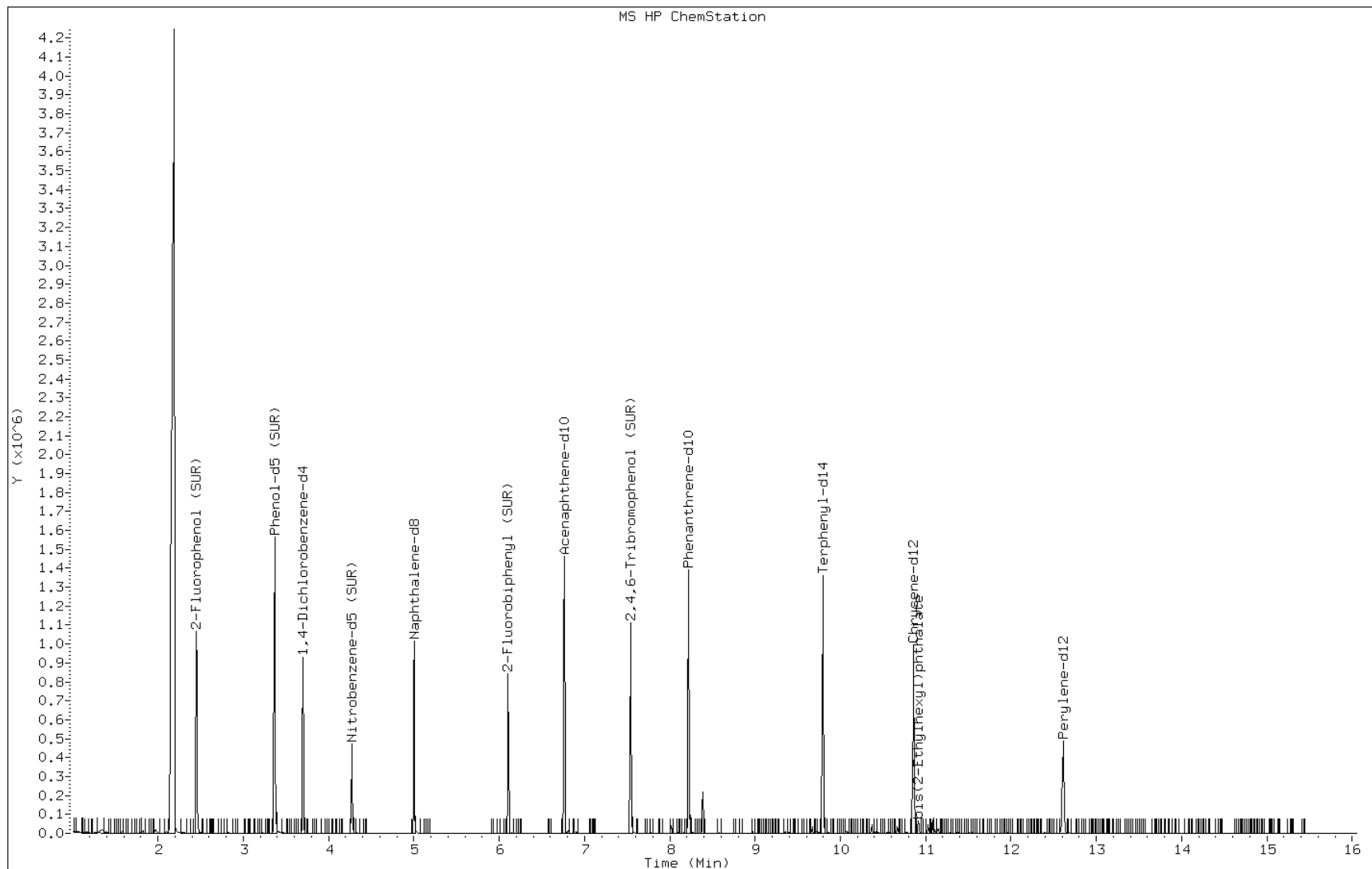
Date: 25-JUN-2012 15:06

Client ID: FB-E

Instrument: BNAMS4.i

Sample Info: 460-41546-D-23-A

Operator: BNAMS 4



Data File: u77723.d

Date: 25-JUN-2012 15:06

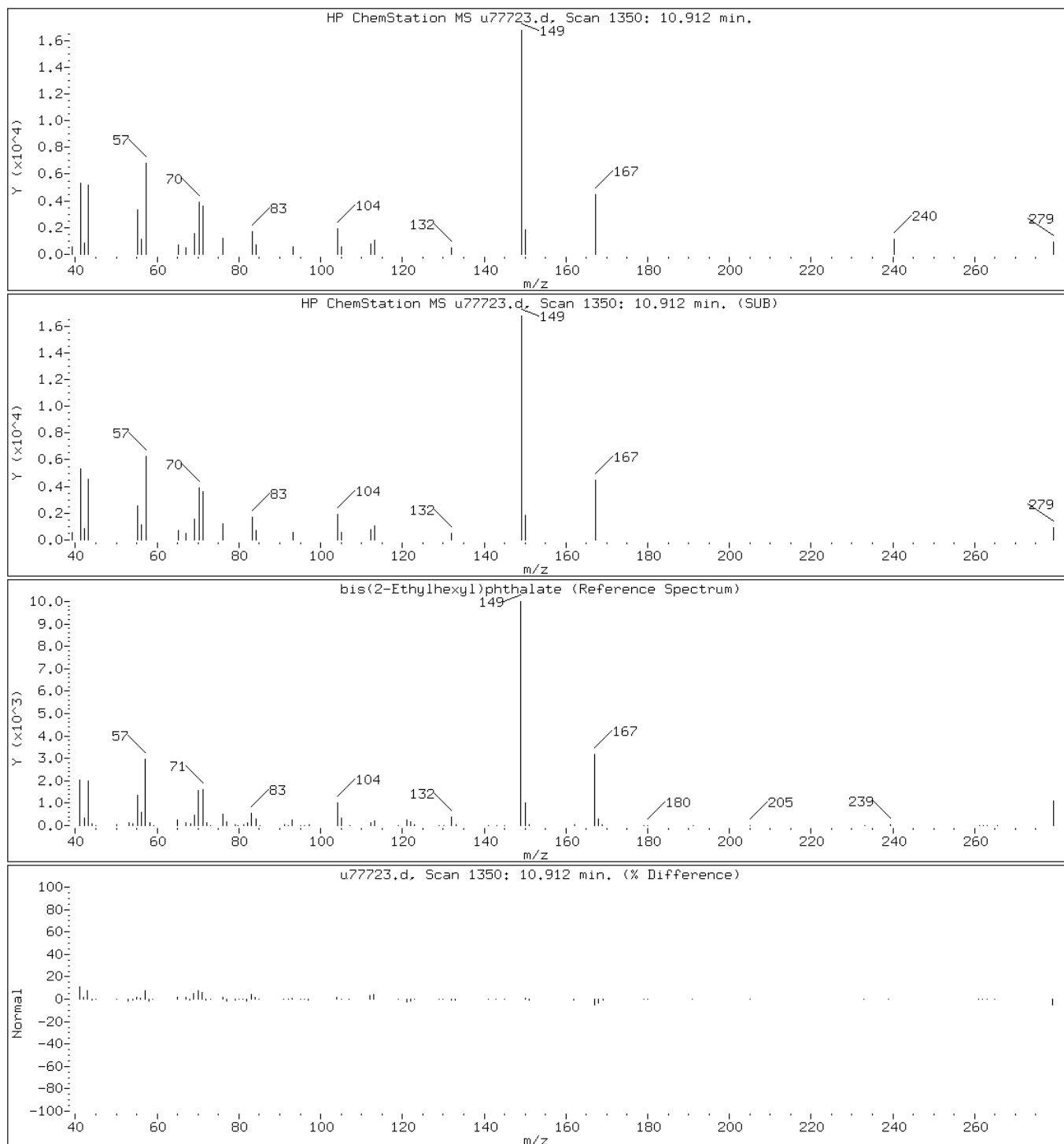
Client ID: FB-E

Instrument: BNAMS4.i

Sample Info: 460-41546-D-23-A

Operator: BNAMS 4

63 bis(2-Ethylhexyl)phthalate



Data File: u77723.d

Date: 25-JUN-2012 15:06

Client ID: FB-E

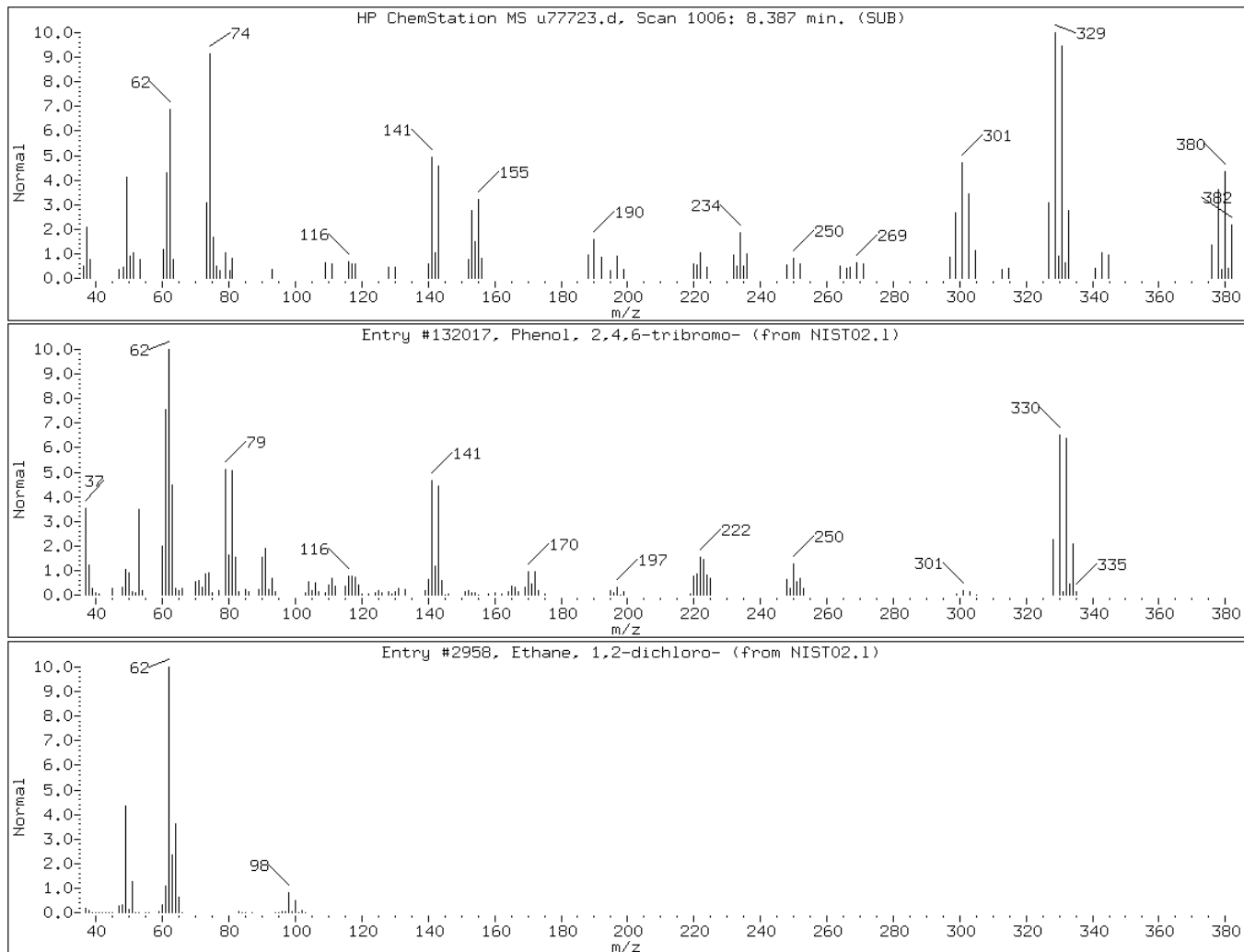
Instrument: BNAMS4.i

Sample Info: 460-41546-D-23-A

Operator: BNAMS 4

Retention Time: 8.39

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Degradation product of 2,4,6-Tribr						
Phenol, 2,4,6-tribromo-	118-79-6	NIST02.1	132017	35	C6H3Br3O	328
Ethane, 1,2-dichloro-	107-06-2	NIST02.1	2958	35	C2H4Cl2	98



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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117458

SDG No.: _____

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

Calibration Start Date: 06/24/2012 23:52 Calibration End Date: 06/25/2012 01:50 Calibration ID: 16145

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-117458/7	z19018.d
Level 2	IC 460-117458/6	z19017.d
Level 3	IC 460-117458/5	z19016.d
Level 4	ICIS 460-117458/2	z19013.d
Level 5	IC 460-117458/4	z19015.d
Level 6	IC 460-117458/3	z19014.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								
1-Naphthylamine	0 0	0	0	0	0	Ave								30.0			
2-Naphthylamine	0 0	0	0	0	0	Ave								15.0			
o-Toluidine	0 0	0	0	0	0	Ave								15.0			
1,4-Dioxane	0.6057 0.5998	0.5834	0.5648	0.5790	0.5661	Ave		0.5831				2.9		15.0			
N-Nitrosodimethylamine	0.7610 0.8603	0.8132	0.7895	0.8201	0.7892	Ave		0.8056				4.2		15.0			
Pyridine	1.4941 1.5141	1.4495	1.4010	1.4189	1.3688	Ave		1.4411				3.9		15.0			
2,3,7,8-TCDD (Screen)	++++ ++++	++++	++++	0.2031	++++	Ave		0.2031						15.0			
Benzaldehyde	0.8253 ++++	0.5719	0.5713	0.5806	0.2198	Ave		0.5538				39.0	*	15.0			
Aniline	1.9713 1.6095	2.0430	1.9447	1.9431	1.7784	Ave		1.8817				8.5		15.0			
Phenol	1.7987 1.7767	1.8918	1.8200	1.6986	1.7215	Ave		1.7846				3.9		30.0			
Bis(2-chloroethyl)ether	1.4369 1.9020	1.3960	1.3473	1.3866	1.4473	Ave		1.4860				13.9		15.0			
2-Chlorophenol	1.4916 1.4369	1.5377	1.5009	1.4760	1.4324	Ave		1.4793				2.7		15.0			
Decane	1.7511 1.3611	1.6994	1.6607	1.5343	1.3972	Ave		1.5673				10.4		15.0			
1,3-Dichlorobenzene	1.6149 1.5884	1.6069	1.5577	1.5670	1.5570	Ave		1.5820				1.6		15.0			
1,4-Dichlorobenzene	1.6517 1.5836	1.6549	1.5918	1.5685	1.5505	Ave		1.6001				2.7		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 EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117458

SDG No.: _____

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

Calibration Start Date: 06/24/2012 23:52 Calibration End Date: 06/25/2012 01:50 Calibration ID: 16145

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								
Benzyl alcohol	0.7371 0.8970	0.8521	0.8555	0.6355	0.8153	Ave		0.7988				12.1		15.0			
1,2-Dichlorobenzene	1.5134 1.4518	1.5384	1.4799	1.4535	1.4104	Ave		1.4746				3.1		15.0			
2-Methylphenol	1.1971 1.1491	1.2544	1.2210	1.2064	1.1260	Ave		1.1923				4.0		15.0			
2,2'-oxybis[1-chloropropane]	2.0617 1.6800	2.1057	1.9469	1.7925	1.6545	Ave		1.8735				10.3		15.0			
Acetophenone	1.7798 1.7815	1.9071	1.8083	1.7102	1.6711	Ave		1.7763				4.6		15.0			
N-Nitrosodi-n-propylamine	0.8590 0.8583	0.9680	0.9088	0.8893	0.8651	Ave		0.8914			0.0500	4.8		15.0			
3 & 4 Methylphenol	1.1716 1.0305	1.3163	1.2687	1.1151	1.1069	Ave		1.1682				9.2		15.0			
4-Methylphenol	1.1716 1.0305	1.3161	1.2665	1.1145	1.1069	Ave		1.1677				9.2		15.0			
Hexachloroethane	0.5965 0.5225	0.6407	0.6232	0.6338	0.6051	Ave		0.6036				7.1		15.0			
Nitrobenzene	0.4924 0.4426	0.4970	0.4976	0.4884	0.4473	Ave		0.4776				5.3		15.0			
n,n'-Dimethylaniline	1.9274 1.9609	2.1071	2.0400	2.0125	1.9127	Ave		1.9934				3.7		15.0			
Isophorone	0.5961 0.6194	0.6118	0.5887	0.5780	0.5802	Ave		0.5957				2.8		15.0			
2-Nitrophenol	0.1887 0.2066	0.1991	0.2014	0.2017	0.2050	Ave		0.2004				3.2		30.0			
2,4-Dimethylphenol	0.3166 0.2997	0.3197	0.3154	0.2835	0.2994	Ave		0.3057				4.6		15.0			
Bis(2-chloroethoxy)methane	0.3778 0.3913	0.3859	0.3794	0.3774	0.3678	Ave		0.3799				2.1		15.0			
2,4-Dichlorophenol	0.2724 0.2557	0.2833	0.2799	0.2641	0.2567	Ave		0.2687				4.4		30.0			
Benzoic acid	0.0853 0.1876	0.1391	0.1549	0.1249	0.1715	QuaF		7.5514	-4.042						0.9927		0.9900
1,2,4-Trichlorobenzene	0.3129 0.3048	0.3080	0.3045	0.3069	0.3002	Ave		0.3062				1.4		15.0			
Naphthalene	1.0759 1.0227	1.0911	1.0611	1.0440	1.0113	Ave		1.0510				2.9		15.0			
4-Chloroaniline	0.3782 0.3853	0.3951	0.4004	0.3746	0.3761	Ave		0.3850				2.8		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117458

SDG No.: _____

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

Calibration Start Date: 06/24/2012 23:52 Calibration End Date: 06/25/2012 01:50 Calibration ID: 16145

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								
Hexachlorobutadiene	0.1785 0.1589	0.1736	0.1690	0.1661	0.1603	Ave		0.1677				4.5		30.0			
Caprolactam	0.0690 0.0773	0.0827	0.0789	0.0704	0.0692	Ave		0.0746				7.8		15.0			
4-Chloro-3-methylphenol	0.2558 0.2449	0.2682	0.2667	0.2407	0.2420	Ave		0.2530				4.9		30.0			
2-Methylnaphthalene	0.6365 0.6494	0.6644	0.6468	0.6313	0.6091	Ave		0.6396				2.9		15.0			
1-Methylnaphthalene	0.6806 0.6583	0.6617	0.6723	0.6427	0.6216	Ave		0.6562				3.2		15.0			
Hexachlorocyclopentadiene	0.2395 0.3372	0.2387	0.2745	0.3267	0.3276	LinF		0.3323							0.9974		0.9900
1,2,4,5-Tetrachlorobenzene	0.5786 0.5376	0.5620	0.5720	0.5850	0.5618	Ave		0.5662				3.0		30.0			
2-tertbutyl-4-methylphenol	0.4417 0.3495	0.4536	0.4525	0.4097	0.4008	Ave		0.4180				9.6		15.0			
2,4,6-Trichlorophenol	0.3617 0.4306	0.3682	0.3640	0.3666	0.3922	Ave		0.3805				7.1		30.0			
2,4,5-Trichlorophenol	0.3869 0.3390	0.3851	0.3827	0.3698	0.3783	Ave		0.3736				4.8		15.0			
Diphenyl	1.5942 1.4033	1.5925	1.5070	1.5328	1.4067	Ave		1.5061				5.7		15.0			
2-Chloronaphthalene	1.1929 1.0933	1.1718	1.1222	1.1510	1.0863	Ave		1.1362				3.8		15.0			
Diphenyl ether	0.8517 0.8487	0.8341	0.8311	0.8415	0.8206	Ave		0.8379				1.4		15.0			
2-Nitroaniline	0.3637 0.3043	0.3683	0.3296	0.3229	0.3096	Ave		0.3331				8.1		15.0			
Dimethylnaphthalene, total	1.0101 1.0244	0.9871	1.0122	1.0272	0.9950	Ave		1.0093				1.6		15.0			
Coumarin	0.1771 0.1870	0.1960	0.1912	0.1629	0.1709	Ave		0.1809				7.0		15.0			
Dimethyl phthalate	1.1624 1.1627	1.2110	1.1396	1.1012	1.1078	Ave		1.1474				3.5		15.0			
2,6-Dinitrotoluene	0.2374 0.2860	0.2706	0.2681	0.2611	0.2729	Ave		0.2660				6.1		15.0			
Acenaphthylene	1.8974 1.8498	1.8447	1.7887	1.8342	1.7928	Ave		1.8346				2.2		15.0			
3-Nitroaniline	0.2841 0.2887	0.2969	0.2774	0.2611	0.2697	Ave		0.2796				4.7		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117458

SDG No.: _____

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

Calibration Start Date: 06/24/2012 23:52 Calibration End Date: 06/25/2012 01:50 Calibration ID: 16145

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								
Acenaphthene	1.1039 1.0796	1.1039	1.0768	1.0785	1.0666	Ave		1.0849				1.4		30.0			
3,5-di-tert-butyl-4-hydroxytol	1.0027 0.9087	1.0026	0.9921	0.9860	0.9119	Ave		0.9673				4.6		15.0			
2,4-Dinitrophenol	0.0763 0.1469	0.0995	0.1154	0.1168	0.1471	QuaF		8.7427	-4.713		0.0500				0.9923		0.9900
4-Nitrophenol	0.1734 0.1714	0.1904	0.1950	0.1777	0.1814	Ave		0.1816			0.0500	5.2		15.0			
Dibenzofuran	1.5690 1.4843	1.5768	1.5074	1.4877	1.4609	Ave		1.5144				3.2		15.0			
2,4-Dinitrotoluene	0.3216 0.3445	0.3341	0.3282	0.3085	0.3264	Ave		0.3272				3.7		15.0			
2,3,4,6-Tetrachlorophenol	0.2440 0.2471	0.2441	0.2382	0.2230	0.2353	Ave		0.2386				3.7		30.0			
Diethyl phthalate	1.0852 1.1535	1.1306	1.0924	1.0532	1.0861	Ave		1.1002				3.3		15.0			
Fluorene	1.2314 1.1822	1.2522	1.2207	1.1667	1.1657	Ave		1.2031				3.0		15.0			
4-Chlorophenyl phenyl ether	0.5736 0.5458	0.5893	0.5742	0.5553	0.5443	Ave		0.5638				3.2		15.0			
4-Nitroaniline	0.2344 0.1920	0.2560	0.2366	0.2055	0.2189	Ave		0.2239				10.4		15.0			
4,6-Dinitro-2-methylphenol	0.1059 0.1343	0.1235	0.1300	0.1329	0.1428	Ave		0.1282				9.8		15.0			
N-Nitrosodiphenylamine	0.6054 0.6247	0.5884	0.6022	0.6146	0.6439	Ave		0.6132				3.2		30.0			
1,2-Diphenylhydrazine	0.8744 1.1198	1.0565	1.0563	1.1118	1.0746	Ave		1.0489				8.5		15.0			
4-Bromophenyl phenyl ether	0.2250 0.2400	0.2249	0.2244	0.2370	0.2319	Ave		0.2305				3.0		15.0			
Hexachlorobenzene	0.2392 0.2463	0.2434	0.2355	0.2421	0.2387	Ave		0.2409				1.6		15.0			
Atrazine	0.1968 0.1950	0.2067	0.1908	0.1921	0.1904	Ave		0.1953				3.1		15.0			
Pentachlorophenol	0.1156 0.1400	0.1283	0.1321	0.1239	0.1371	Ave		0.1295				6.9		30.0			
Pentachloronitrobenzene	0.0975 0.0903	0.0933	0.0921	0.0897	0.0914	Ave		0.0924				3.0					
n-Octadecane	0.5526 0.5155	0.5746	0.5911	0.6191	0.5539	Ave		0.5678				6.3		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117458

SDG No.: _____

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

Calibration Start Date: 06/24/2012 23:52 Calibration End Date: 06/25/2012 01:50 Calibration ID: 16145

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								
Phenanthrene	1.0970 1.1044	1.1205	1.0784	1.0817	1.0721	Ave		1.0923				1.7		15.0			
Anthracene	1.1230 1.1092	1.1190	1.0912	1.0932	1.0700	Ave		1.1009				1.8		15.0			
Carbazole	0.9201 0.8775	0.9456	0.9001	0.8611	0.8419	Ave		0.8911				4.3		15.0			
Di-n-butyl phthalate	1.0812 1.1925	1.1516	1.1386	1.1456	1.1278	Ave		1.1396				3.2		15.0			
Fluoranthene	0.9481 0.9226	0.9649	0.9046	0.8931	0.8645	Ave		0.9163				4.0		30.0			
Benzidine	0.1742 ++++	0.2473	0.1691	0.0717	0.0233	Ave		0.1371				65.0	*	15.0			
Pyrene	1.7347 2.0112	1.8583	1.8941	1.8687	1.9671	Ave		1.8890				5.1		15.0			
Butyl benzyl phthalate	0.6068 0.8461	0.6861	0.7042	0.7374	0.7832	Ave		0.7273				11.4		15.0			
Carbamazepine	0.2815 0.4930	0.3615	0.3709	0.4375	0.4790	LinF		0.4818							0.9941		0.9900
3,3'-Dichlorobenzidine	0.3527 0.2675	0.3687	0.3501	0.3535	0.2864	Ave		0.3298				12.7		15.0			
Benzo[a]anthracene	1.3622 1.2447	1.1523	1.1659	1.1606	1.2162	Ave		1.2170				6.6		15.0			
Chrysene	1.1299 1.1896	1.2081	1.1326	1.1646	1.1500	Ave		1.1625				2.7		15.0			
Bis(2-ethylhexyl) phthalate	0.8147 1.1035	0.8876	0.9099	0.9526	1.0304	Ave		0.9498				10.9		15.0			
Di-n-octyl phthalate	1.4007 2.7446	1.7836	2.0297	2.1014	2.3443	QuaF		0.5191	-0.019						0.9998		0.9900
Benzo[b]fluoranthene	1.0344 1.6008	1.2994	1.4269	1.3441	1.4569	Ave		1.3604				14.0		15.0			
Benzo[k]fluoranthene	1.4644 1.6408	1.6064	1.5058	1.5767	1.5302	Ave		1.5540				4.2		15.0			
Benzo[a]pyrene	0.7888 1.2365	1.0535	1.0641	1.1493	1.1509	Ave		1.0739				14.4		30.0			
Indeno[1,2,3-cd]pyrene	0.5504 0.9156	0.6210	0.6538	0.8263	0.8695	LinF		0.8906							0.9939		0.9900
Dibenz(a,h)anthracene	0.4960 0.9584	0.7602	0.7753	0.9209	0.9191	LinF		0.9410							0.9976		0.9900
Benzo[g,h,i]perylene	0.7241 0.9304	0.7833	0.7879	0.9136	0.9089	Ave		0.8413				10.3		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117458

SDG No.: _____

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

Calibration Start Date: 06/24/2012 23:52 Calibration End Date: 06/25/2012 01:50 Calibration ID: 16145

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								
2-Fluorophenol	1.2937 1.3933	1.3049	1.3181	1.3573	1.2796	Ave		1.3245				3.2		15.0			
Phenol-d5	1.5608 1.6097	1.6191	1.5613	1.5380	1.4720	Ave		1.5602				3.4		15.0			
Nitrobenzene-d5	0.3652 0.3695	0.3725	0.3682	0.3828	0.3654	Ave		0.3706				1.8		15.0			
2-Fluorobiphenyl	1.4446 1.4073	1.3998	1.3616	1.4406	1.3804	Ave		1.4057				2.3		15.0			
2,4,6-Tribromophenol	0.1554 0.1591	0.1555	0.1546	0.1394	0.1459	Ave		0.1517				4.9		15.0			
Terphenyl-d14	1.1580 1.3496	1.2405	1.2551	1.2329	1.3035	Ave		1.2566				5.2		15.0			

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.: 460-41546-1 Analy Batch No.: 117458

SDG No.: _____

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

Calibration Start Date: 06/24/2012 23:52 Calibration End Date: 06/25/2012 01:50 Calibration ID: 16145

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-117458/7	z19018.d
Level 2	IC 460-117458/6	z19017.d
Level 3	IC 460-117458/5	z19016.d
Level 4	ICIS 460-117458/2	z19013.d
Level 5	IC 460-117458/4	z19015.d
Level 6	IC 460-117458/3	z19014.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
2-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
o-Toluidine	DCB	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
1,4-Dioxane	DCB	Ave	16289 372682	33706	63538	155860	247748	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	20464 534556	46985	88812	220750	345405	5.00 120	10.0	20.0	50.0	80.0
Pyridine	DCB	Ave	40178 940825	83748	157604	381916	599046	5.00 120	10.0	20.0	50.0	80.0
2,3,7,8-TCDD (Screen)	CRY	Ave	++++ ++++	++++	++++	470	++++	++++ ++++	++++	++++	0.500	++++
Benzaldehyde	DCB	Ave	22193 ++++	33043	64268	156283	96205	5.00 ++++	10.0	20.0	50.0	80.0
Aniline	DCB	Ave	53010 1000067	118033	218771	523022	778291	5.00 120	10.0	20.0	50.0	80.0
Phenol	DCB	Ave	48370 1103983	109300	204738	457200	753417	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	3864 1181815	80656	151563	373241	633395	0.500 120	10.0	20.0	50.0	80.0
2-Chlorophenol	DCB	Ave	40112 892853	88841	168843	397282	626895	5.00 120	10.0	20.0	50.0	80.0
Decane	DCB	Ave	47090 845714	98185	186825	412973	611491	5.00 120	10.0	20.0	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	43427 986947	92838	175239	421795	681407	5.00 120	10.0	20.0	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	44416 983958	95611	179067	422177	678562	5.00 120	10.0	20.0	50.0	80.0
Benzyl alcohol	DCB	Ave	19822 557350	49232	96236	171060	356806	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117458

SDG No.: _____

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

Calibration Start Date: 06/24/2012 23:52 Calibration End Date: 06/25/2012 01:50 Calibration ID: 16145

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichlorobenzene	DCB	Ave	40697 902080	88884	166480	391240	617256	5.00 120	10.0	20.0	50.0	80.0
2-Methylphenol	DCB	Ave	32192 714022	72472	137359	324719	492794	5.00 120	10.0	20.0	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	55442 1043856	121657	219014	482471	724062	5.00 120	10.0	20.0	50.0	80.0
Acetophenone	DCB	Ave	47860 1106917	110186	203425	460320	731359	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	2310 533330	55926	102234	239373	378583	0.500 120	10.0	20.0	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	31506 640321	76052	142724	300156	484443	5.00 120	10.0	20.0	50.0	80.0
4-Methylphenol	DCB	Ave	31506 640321	76041	142476	299986	484443	5.00 120	10.0	20.0	50.0	80.0
Hexachloroethane	DCB	Ave	1604 324658	37016	70109	170610	264801	0.500 120	10.0	20.0	50.0	80.0
Nitrobenzene	NPT	Ave	4917 1034466	111488	209698	476561	716065	0.500 120	10.0	20.0	50.0	80.0
n,n'-Dimethylaniline	DCB	Ave	5183 1218410	121742	229490	541700	837082	0.500 120	10.0	20.0	50.0	80.0
Isophorone	NPT	Ave	59517 1447729	137238	248061	564005	928960	5.00 120	10.0	20.0	50.0	80.0
2-Nitrophenol	NPT	Ave	18841 482837	44651	84879	196840	328163	5.00 120	10.0	20.0	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	31609 700444	71724	132905	276637	479293	5.00 120	10.0	20.0	50.0	80.0
Bis (2-chloroethoxy)methane	NPT	Ave	37718 914597	86571	159871	368211	588860	5.00 120	10.0	20.0	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	27197 597762	63542	117956	257739	411042	5.00 120	10.0	20.0	50.0	80.0
Benzoic acid	NPT	QuaF	8519 438466	31198	65287	121842	274531	5.00 120	10.0	20.0	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	3124 712520	69093	128329	299487	480630	0.500 120	10.0	20.0	50.0	80.0
Naphthalene	NPT	Ave	107427 2390553	244746	447143	1018656	1619069	5.00 120	10.0	20.0	50.0	80.0
4-Chloroaniline	NPT	Ave	37765 900609	88639	168723	365466	602097	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobutadiene	NPT	Ave	3564 371493	38934	71233	162061	256693	1.00 120	10.0	20.0	50.0	80.0
Caprolactam	NPT	Ave	6885 180744	18549	33242	68685	110719	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117458

SDG No.: _____

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

Calibration Start Date: 06/24/2012 23:52 Calibration End Date: 06/25/2012 01:50 Calibration ID: 16145

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	25537 572516	60163	112363	234851	387424	5.00 120	10.0	20.0	50.0	80.0
2-Methylnaphthalene	NPT	Ave	63554 1517952	149039	272553	616005	975102	5.00 120	10.0	20.0	50.0	80.0
1-Methylnaphthalene	NPT	Ave	67961 1538619	148431	283307	627154	995158	5.00 120	10.0	20.0	50.0	80.0
Hexachlorocyclopentadiene	ANT	LinF	11280 357943	26322	56344	138932	233006	5.00 120	10.0	20.0	50.0	80.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	27250 570714	61976	117383	248771	399624	5.00 120	10.0	20.0	50.0	80.0
2-tertbutyl-4-methylphenol	NPT	Ave	44101 817016	101749	190666	399789	641605	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	17034 457108	40602	74705	155878	278963	5.00 120	10.0	20.0	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	18221 359890	42472	78532	157239	269086	5.00 120	10.0	20.0	50.0	80.0
Diphenyl	ANT	Ave	75085 1489751	175620	309287	651808	1000674	5.00 120	10.0	20.0	50.0	80.0
2-Chloronaphthalene	ANT	Ave	56184 1160630	129224	230310	489433	772700	5.00 120	10.0	20.0	50.0	80.0
Diphenyl ether	ANT	Ave	40113 901010	91987	170559	357816	583720	5.00 120	10.0	20.0	50.0	80.0
2-Nitroaniline	ANT	Ave	34262 323062	40619	67649	137300	220263	10.0 120	10.0	20.0	50.0	80.0
Dimethylnaphthalene, total	ANT	Ave	47573 1087501	108856	207729	436815	707794	5.00 120	10.0	20.0	50.0	80.0
Coumarin	NPT	Ave	17687 437084	43972	80560	158973	273617	5.00 120	10.0	20.0	50.0	80.0
Dimethyl phthalate	ANT	Ave	54749 1234350	133550	233872	468257	788016	5.00 120	10.0	20.0	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	2236 303614	29845	55017	111018	194103	1.00 120	10.0	20.0	50.0	80.0
Acenaphthylene	ANT	Ave	89365 1963734	203426	367085	779954	1275313	5.00 120	10.0	20.0	50.0	80.0
3-Nitroaniline	ANT	Ave	26758 306489	32741	56931	111026	191825	10.0 120	10.0	20.0	50.0	80.0
Acenaphthene	ANT	Ave	51993 1146171	121730	220987	458618	758732	5.00 120	10.0	20.0	50.0	80.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	47225 964731	110559	203609	419279	648656	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrophenol	ANT	QuaF	10788 155968	21955	35528	49671	104617	15.0 120	20.0	30.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117458

SDG No.: _____

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

Calibration Start Date: 06/24/2012 23:52 Calibration End Date: 06/25/2012 01:50 Calibration ID: 16145

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Nitrophenol	ANT	Ave	24499 181921	41992	60030	75571	129069	15.0 120	20.0	30.0	50.0	80.0
Dibenzofuran	ANT	Ave	73901 1575788	173881	309354	632639	1039198	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrotoluene	ANT	Ave	3029 365762	36843	67347	131173	232204	1.00 120	10.0	20.0	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	11492 262297	26914	48890	94808	167388	5.00 120	10.0	20.0	50.0	80.0
Diethyl phthalate	ANT	Ave	51114 1224576	124680	224188	447852	772571	5.00 120	10.0	20.0	50.0	80.0
Fluorene	ANT	Ave	57997 1255007	138083	250519	496123	829179	5.00 120	10.0	20.0	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	27018 579471	64987	117849	236114	387209	5.00 120	10.0	20.0	50.0	80.0
4-Nitroaniline	ANT	Ave	22078 203832	28233	48556	87373	155698	10.0 120	10.0	20.0	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	19744 180962	36574	52059	66724	126041	15.0 120	20.0	30.0	50.0	80.0
N-Nitrosodiphenylamine	PHN	Ave	37611 841739	87146	160817	308663	568466	5.00 120	10.0	20.0	50.0	80.0
1,2-Diphenylhydrazine	PHN	Ave	54330 1508865	156476	282069	558388	948705	5.00 120	10.0	20.0	50.0	80.0
4-Bromophenyl phenyl ether	PHN	Ave	13982 323380	33306	59929	119023	204755	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobenzene	PHN	Ave	1486 331855	36053	62874	121587	210777	0.500 120	10.0	20.0	50.0	80.0
Atrazine	PHN	Ave	12230 262696	30620	50948	96468	168067	5.00 120	10.0	20.0	50.0	80.0
Pentachlorophenol	PHN	Ave	21556 188607	38016	52920	62248	121031	15.0 120	20.0	30.0	50.0	80.0
Pentachloronitrobenzene	PHN	Ave	6055 121700	13812	24593	45041	80675	5.00 120	10.0	20.0	50.0	80.0
n-Octadecane	PHN	Ave	34334 694635	85105	157849	310927	488963	5.00 120	10.0	20.0	50.0	80.0
Phenanthrene	PHN	Ave	68158 1488152	165950	287956	543269	946481	5.00 120	10.0	20.0	50.0	80.0
Anthracene	PHN	Ave	69770 1494616	165731	291386	549039	944633	5.00 120	10.0	20.0	50.0	80.0
Carbazole	PHN	Ave	57166 1182373	140046	240355	432487	743288	5.00 120	10.0	20.0	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	67177 1606875	170555	304039	575365	995691	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117458

SDG No.: _____

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

Calibration Start Date: 06/24/2012 23:52 Calibration End Date: 06/25/2012 01:50 Calibration ID: 16145

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Fluoranthene	PHN	Ave	58904 1243153	142910	241567	448566	763210	5.00 120	10.0	20.0	50.0	80.0
Benzidine	PHN	Ave	10826 ++++	73250	67715	35996	20593	5.00 ++++	20.0	30.0	50.0	80.0
Pyrene	CRY	Ave	58143 1190413	138946	233084	432357	740935	5.00 120	10.0	20.0	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	20339 500779	51302	86652	170611	294995	5.00 120	10.0	20.0	50.0	80.0
Carbamazepine	CRY	LinF	9437 291780	27028	45640	101212	180406	5.00 120	10.0	20.0	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	23646 158327	55128	64622	81793	107859	10.0 120	20.0	30.0	50.0	80.0
Benzo[a]anthracene	CRY	Ave	4566 736689	86157	143466	268517	458090	0.500 120	10.0	20.0	50.0	80.0
Chrysene	CRY	Ave	37872 704076	90333	139375	269450	433160	5.00 120	10.0	20.0	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	27307 653164	66365	111971	220387	388122	5.00 120	10.0	20.0	50.0	80.0
Di-n-octyl phthalate	PRY	QuaF	29086 895185	79491	137454	305794	530747	5.00 120	10.0	20.0	50.0	80.0
Benzo[b]fluoranthene	PRY	Ave	2148 522103	57912	96628	195596	329839	0.500 120	10.0	20.0	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	3041 535153	71595	101971	229442	346445	0.500 120	10.0	20.0	50.0	80.0
Benzo[a]pyrene	PRY	Ave	1638 403289	46955	72064	167252	260566	0.500 120	10.0	20.0	50.0	80.0
Indeno[1,2,3-cd]pyrene	PRY	LinF	1143 298630	27676	44279	120251	196856	0.500 120	10.0	20.0	50.0	80.0
Dibenz(a,h)anthracene	PRY	LinF	1030 312594	33882	52506	134014	208095	0.500 120	10.0	20.0	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	15037 303441	34909	53358	132945	205769	5.00 120	10.0	20.0	50.0	80.0
2-Fluorophenol	DCB	Ave	34789 865748	75391	148276	365330	560013	5.00 120	10.0	20.0	50.0	80.0
Phenol-d5	DCB	Ave	41971 1000217	93546	175635	413989	644199	5.00 120	10.0	20.0	50.0	80.0
Nitrobenzene-d5	NPT	Ave	36468 863574	83560	155164	373465	584937	5.00 120	10.0	20.0	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	68042 1493969	154367	279442	612611	981960	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Tribromophenol	ANT	Ave	7320 168875	17150	31730	59260	103817	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 117458

SDG No.: _____

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

Calibration Start Date: 06/24/2012 23:52 Calibration End Date: 06/25/2012 01:50 Calibration ID: 16145

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Terphenyl-d14	CRY	Ave	38814 798823	92752	154446	285249	490971	5.00 120	10.0	20.0	50.0	80.0

Curve Type Legend:

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

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19013.d
 Report Date: 25-Jun-2012 14:47

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19013.d
 Lab Smp Id: ICIS-1519304
 Inj Date : 24-JUN-2012 23:52
 Operator : BNAMS 4
 Smp Info : ICIS-1519304
 Misc Info : 50ppm 4658
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/8270C_11.m
 Meth Date : 25-Jun-2012 14:47 croccom Quant Type: ISTD
 Cal Date : 24-JUN-2012 23:52 Cal File: z19013.d
 Als bottle: 2 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * 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				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.016	1.016	(0.295)	155860	50.0000	50
19 N-Nitrosodimethylamine	74	1.216	1.216	(0.354)	220750	50.0000	51
71 Pyridine	79	1.228	1.228	(0.357)	381916	50.0000	49
\$ 16 2-Fluorophenol (SUR)	112	2.210	2.210	(0.643)	365330	50.0000	51
110 Benzaldehyde	77	2.987	2.987	(0.868)	156283	50.0000	52
\$ 17 Phenol-d5 (SUR)	99	3.122	3.122	(0.908)	413989	50.0000	49
1 Phenol	94	3.134	3.134	(0.911)	457200	50.0000	48
73 Aniline	93	3.110	3.110	(0.904)	523022	50.0000	52
20 bis(2-Chloroethyl)ether	93	3.193	3.193	(0.928)	373241	50.0000	47
2 2-Chlorophenol	128	3.234	3.234	(0.940)	397282	50.0000	50
113 n-decane	43	3.304	3.304	(0.961)	412973	50.0000	49
21 1,3-Dichlorobenzene	146	3.381	3.381	(0.983)	421795	50.0000	50
* 79 1,4-Dichlorobenzene-d4	152	3.440	3.440	(1.000)	215334	40.0000	

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19013.d
 Report Date: 25-Jun-2012 14:47

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ug/ml)	ON -COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.457	3.457	(1.005)	422177	50.0000	49
74 Benzyl Alcohol	108	3.616	3.616	(1.051)	171060	50.0000	40
23 1,2-Dichlorobenzene	146	3.610	3.610	(1.050)	391240	50.0000	49
3 2-Methylphenol	108	3.752	3.752	(1.091)	324719	50.0000	50
24 bis (2-chloroisopropyl) ether	45	3.752	3.752	(1.091)	482471	50.0000	48
4 4-Methylphenol	108	3.922	3.922	(1.140)	299986	50.0000	48(M)
123 3 & 4 Methylphenol	108	3.922	3.922	(1.140)	300156	50.0000	48(M)
104 Acetophenone	105	3.881	3.881	(1.128)	460320	50.0000	48
25 N-Nitroso-di-n-propylamine	70	3.899	3.899	(1.133)	239373	50.0000	50
26 Hexachloroethane	117	3.951	3.951	(1.149)	170610	50.0000	52
\$ 76 Nitrobenzene-d5 (SUR)	82	4.028	4.028	(0.849)	373465	50.0000	52
27 Nitrobenzene	77	4.051	4.051	(0.854)	476561	50.0000	51
107 N,N-Dimethylaniline	120	4.051	4.051	(1.178)	541700	50.0000	50
28 Isophorone	82	4.299	4.299	(0.906)	564005	50.0000	48
5 2-Nitrophenol	139	4.369	4.369	(0.921)	196840	50.0000	50
6 2,4-Dimethylphenol	122	4.451	4.451	(0.938)	276637	50.0000	46
29 bis(2-Chloroethoxy)methane	93	4.540	4.540	(0.957)	368211	50.0000	50
15 Benzoic Acid	122	4.651	4.651	(0.980)	121842	50.0000	43(M)
7 2,4-Dichlorophenol	162	4.628	4.628	(0.975)	257739	50.0000	49
30 1,2,4-Trichlorobenzene	180	4.699	4.699	(0.990)	299487	50.0000	50
* 80 Naphthalene-d8	136	4.746	4.746	(1.000)	780593	40.0000	
31 Naphthalene	128	4.763	4.763	(1.004)	1018656	50.0000	50
32 4-Chloroaniline	127	4.840	4.840	(1.020)	365466	50.0000	49
33 Hexachlorobutadiene	225	4.910	4.910	(1.035)	162061	50.0000	50
111 Caprolactam	113	5.246	5.246	(1.105)	68685	50.0000	47(M)
8 4-Chloro-3-methylphenol	107	5.375	5.375	(1.133)	234851	50.0000	48(M)
34 2-Methylnaphthalene	142	5.463	5.463	(1.151)	616005	50.0000	49
120 1-Methylnaphthalene	142	5.563	5.563	(1.172)	627154	50.0000	49
35 Hexachlorocyclopentadiene	237	5.634	5.634	(0.868)	138932	50.0000	49
129 1,2,4,5-Tetrachlorobenzene	216	5.640	5.640	(0.869)	248771	50.0000	52
121 2-tert-Butyl-4-methylphenol	149	5.716	5.716	(1.204)	399789	50.0000	49
9 2,4,6-Trichlorophenol	196	5.763	5.763	(0.888)	155878	50.0000	48
10 2,4,5-Trichlorophenol	196	5.804	5.804	(0.895)	157239	50.0000	49
\$ 77 2-Fluorobiphenyl (SUR)	172	5.845	5.845	(0.901)	612611	50.0000	51
102 Diphenyl	154	5.940	5.940	(0.916)	651808	50.0000	51
36 2-Chloronaphthalene	162	5.945	5.945	(0.917)	489433	50.0000	51
103 Diphenyl Ether	170	6.045	6.045	(0.932)	357816	50.0000	50
37 2-Nitroaniline	65	6.069	6.069	(0.936)	137300	50.0000	48
125 1,3-Dimethylnaphthalene	156	6.169	6.169	(0.951)	436815	50.0000	51
38 Dimethylphthalate	163	6.269	6.269	(0.966)	468257	50.0000	48
114 Coumarin	146	6.263	6.263	(1.320)	158973	50.0000	45
40 2,6-Dinitrotoluene	165	6.316	6.316	(0.974)	111018	50.0000	49
39 Acenaphthylene	152	6.345	6.345	(0.978)	779954	50.0000	50
41 3-Nitroaniline	138	6.475	6.475	(0.998)	111026	50.0000	47
* 82 Acenaphthene-d10	164	6.487	6.487	(1.000)	340189	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	6.551	6.551	(1.010)	419279	50.0000	51
42 Acenaphthene	154	6.522	6.522	(1.005)	458618	50.0000	50

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19013.d
 Report Date: 25-Jun-2012 14:47

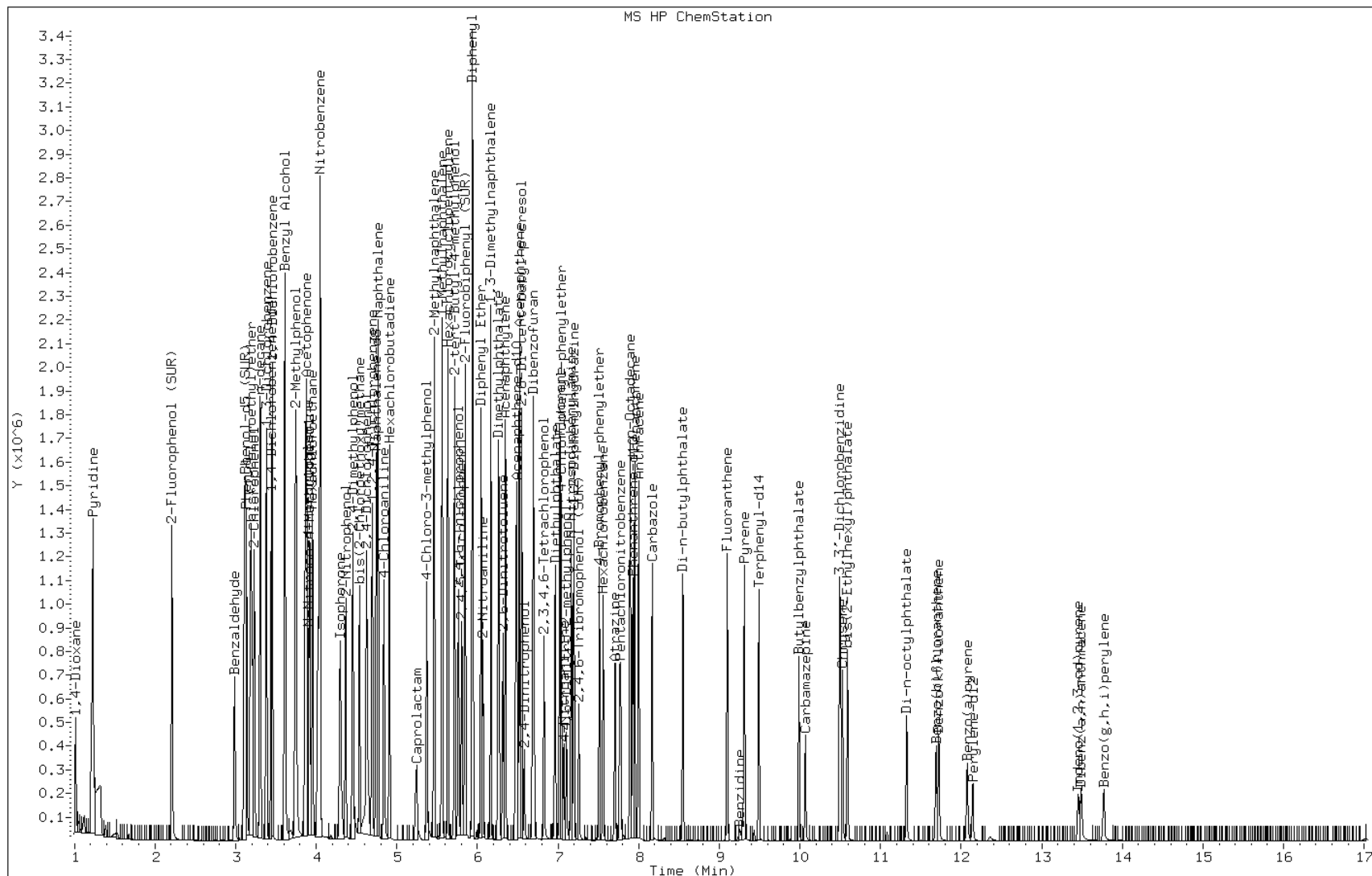
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.581	6.581	(1.014)	49671	50.0000	47
12 4-Nitrophenol	65	6.675	6.675	(1.029)	75571	50.0000	49
44 2,4-Dinitrotoluene	165	6.710	6.710	(1.034)	131173	50.0000	47
43 Dibenzofuran	168	6.692	6.692	(1.032)	632639	50.0000	49
130 2,3,4,6-Tetrachlorophenol	232	6.828	6.828	(1.053)	94808	50.0000	47
45 Diethylphthalate	149	6.963	6.963	(1.073)	447852	50.0000	48
46 4-Chlorophenyl-phenylether	204	7.040	7.040	(1.085)	236114	50.0000	49
47 Fluorene	166	7.022	7.022	(1.083)	496123	50.0000	48
48 4-Nitroaniline	138	7.075	7.075	(1.091)	87373	50.0000	46
13 4,6-Dinitro-2-methylphenol	198	7.104	7.104	(0.896)	66724	50.0000	52
49 N-Nitrosodiphenylamine	169	7.163	7.163	(0.904)	308663	50.0000	50
75 1,2-Diphenylhydrazine	77	7.192	7.192	(0.907)	558388	50.0000	53
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.263	7.263	(1.120)	59260	50.0000	46
50 4-Bromophenyl-phenylether	248	7.510	7.510	(0.947)	119023	50.0000	51
51 Hexachlorobenzene	284	7.563	7.563	(0.954)	121587	50.0000	50
112 Atrazine	200	7.710	7.710	(0.973)	96468	50.0000	49
14 Pentachlorophenol	266	7.763	7.763	(0.979)	62248	50.0000	48
132 Pentachloronitrobenzene	237	7.775	7.775	(0.981)	45041	50.0000	48
115 n-Octadecane	57	7.892	7.892	(0.996)	310927	50.0000	54
* 83 Phenanthrene-d10	188	7.928	7.928	(1.000)	401791	40.0000	
52 Phenanthrene	178	7.951	7.951	(1.003)	543269	50.0000	50
53 Anthracene	178	7.998	7.998	(1.009)	549039	50.0000	50
54 Carbazole	167	8.169	8.169	(1.030)	432487	50.0000	48
55 Di-n-butylphthalate	149	8.545	8.545	(1.078)	575365	50.0000	50
56 Fluoranthene	202	9.098	9.098	(1.148)	448566	50.0000	49
58 Benzidine	184	9.257	9.257	(1.168)	35996	50.0000	26
57 Pyrene	202	9.310	9.310	(0.886)	432357	50.0000	49
\$ 78 Terphenyl-d14	244	9.492	9.492	(0.904)	285249	50.0000	49
59 Butylbenzylphthalate	149	9.992	9.992	(0.951)	170611	50.0000	51
109 2,3,7,8-TCDD (Screen)	320	10.051	10.051	(0.957)	470	0.50000	0.50
124 Carbamazepine	193	10.069	10.069	(0.959)	101212	50.0000	45
60 3,3'-Dichlorobenzidine	252	10.492	10.492	(0.999)	81793	50.0000	54
61 Benzo(a)anthracene	228	10.492	10.492	(0.999)	268517	50.0000	48
* 81 Chrysene-d12	240	10.504	10.504	(1.000)	185092	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.592	10.592	(1.008)	220387	50.0000	50
62 Chrysene	228	10.533	10.533	(1.003)	269450	50.0000	50
64 Di-n-octylphthalate	149	11.322	11.322	(0.932)	305794	50.0000	49
65 Benzo(b)fluoranthene	252	11.692	11.692	(0.963)	195596	50.0000	49
66 Benzo(k)fluoranthene	252	11.722	11.722	(0.965)	229442	50.0000	51
67 Benzo(a)pyrene	252	12.074	12.074	(0.994)	167252	50.0000	54
* 84 Perylene-d12	264	12.145	12.145	(1.000)	116418	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.451	13.451	(1.108)	120251	50.0000	46
69 Dibenz(a,h)anthracene	278	13.486	13.486	(1.110)	134014	50.0000	49
70 Benzo(g,h,i)perylene	276	13.768	13.768	(1.134)	132945	50.0000	54

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19013.d
Report Date: 25-Jun-2012 14:47

QC Flag Legend

M - Compound response manually integrated.

Operator: BNAMS 4

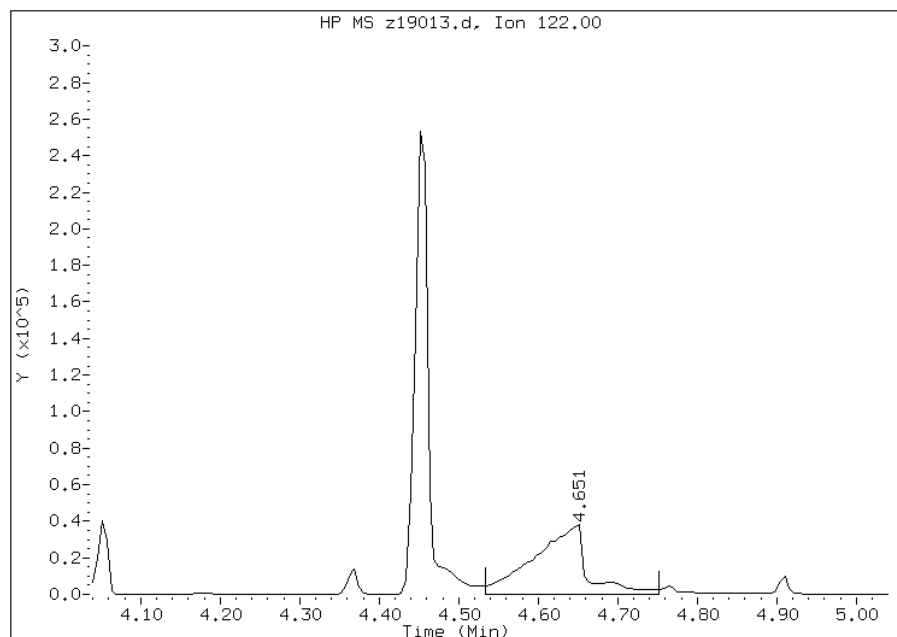


Manual Integration Report

Data File: z19013.d
Inj. Date and Time: 24-JUN-2012 23:52
Instrument ID: BNAMS11.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/26/2012

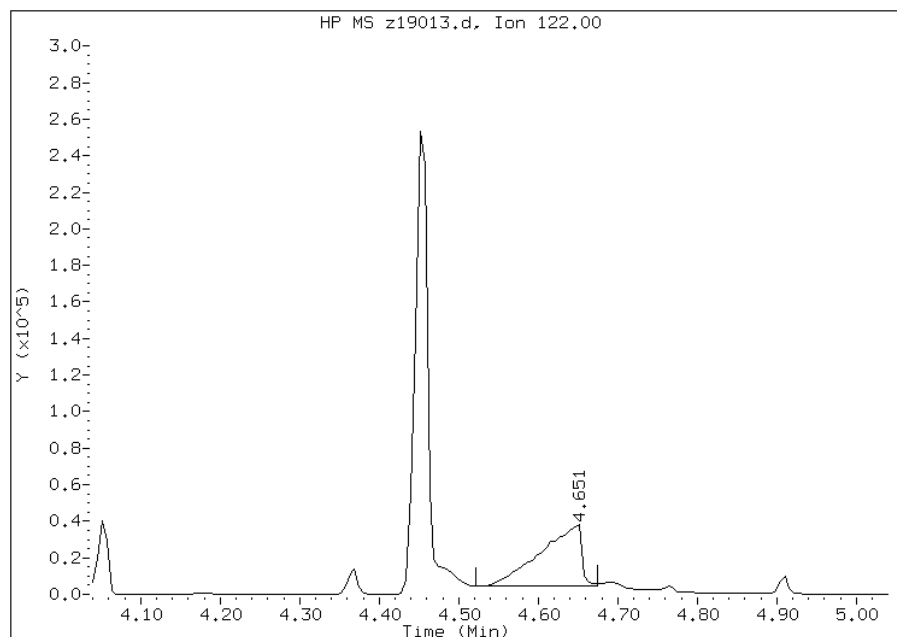
Processing Integration Results

RT: 4.65
Response: 175785
Amount: 46
Conc: 46



Manual Integration Results

RT: 4.65
Response: 121842
Amount: 43
Conc: 43



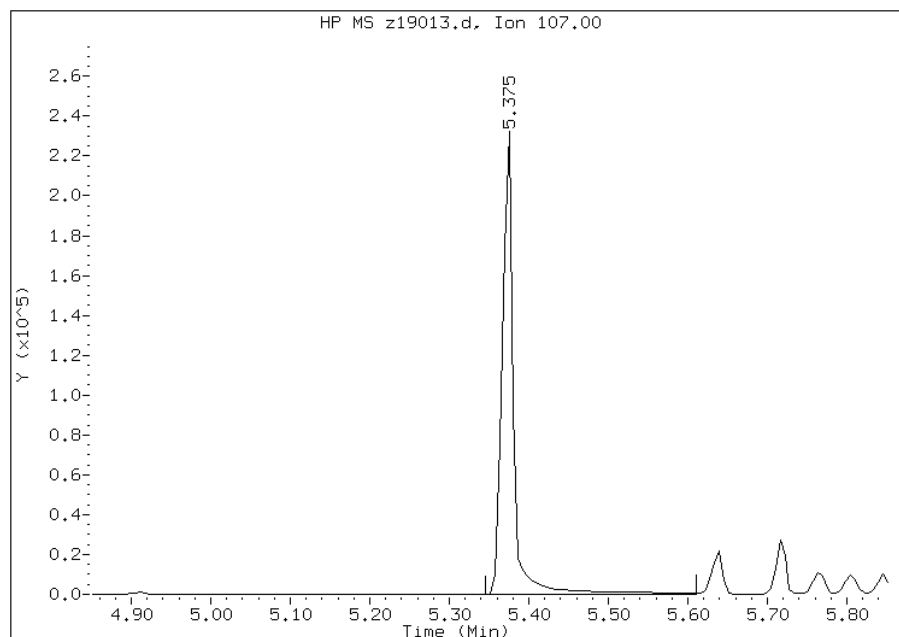
Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z19013.d
Inj. Date and Time: 24-JUN-2012 23:52
Instrument ID: BNAMS11.i
Client ID:
Compound: 8 4-Chloro-3-methylphenol
CAS #: 59-50-7
Report Date: 06/26/2012

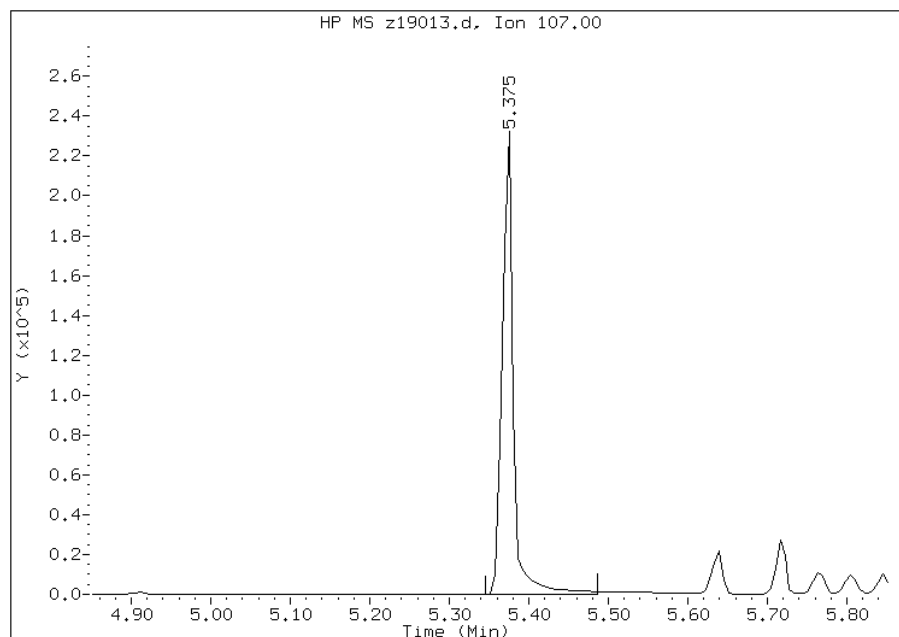
Processing Integration Results

RT: 5.37
Response: 241338
Amount: 49
Conc: 49



Manual Integration Results

RT: 5.37
Response: 234851
Amount: 48
Conc: 48



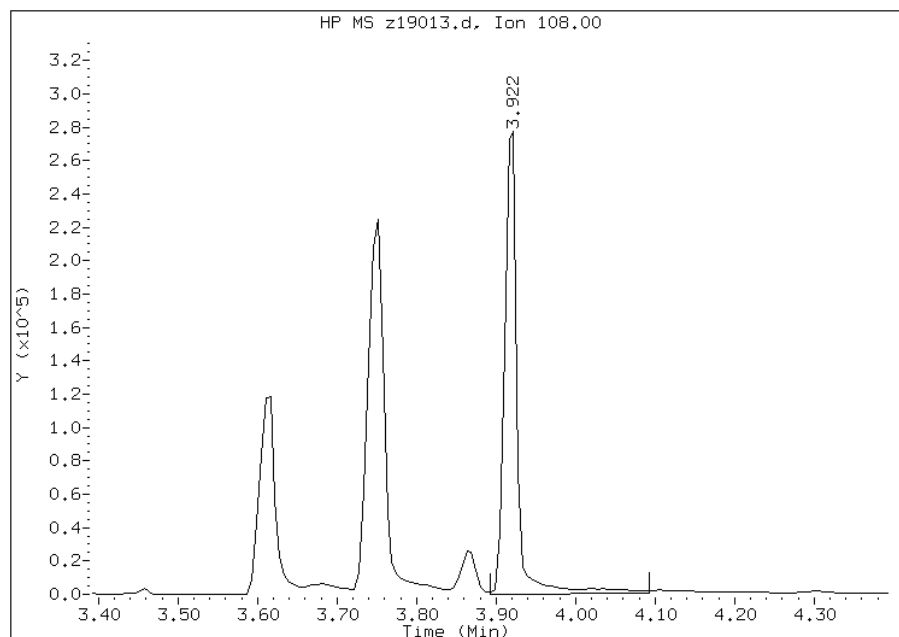
Manually Integrated By: wahied
Manual Integration Reason: Peak Tailing or Fronting

Manual Integration Report

Data File: z19013.d
Inj. Date and Time: 24-JUN-2012 23:52
Instrument ID: BNAMS11.i
Client ID:
Compound: 4 4-Methylphenol
CAS #: 106-44-5
Report Date: 06/26/2012

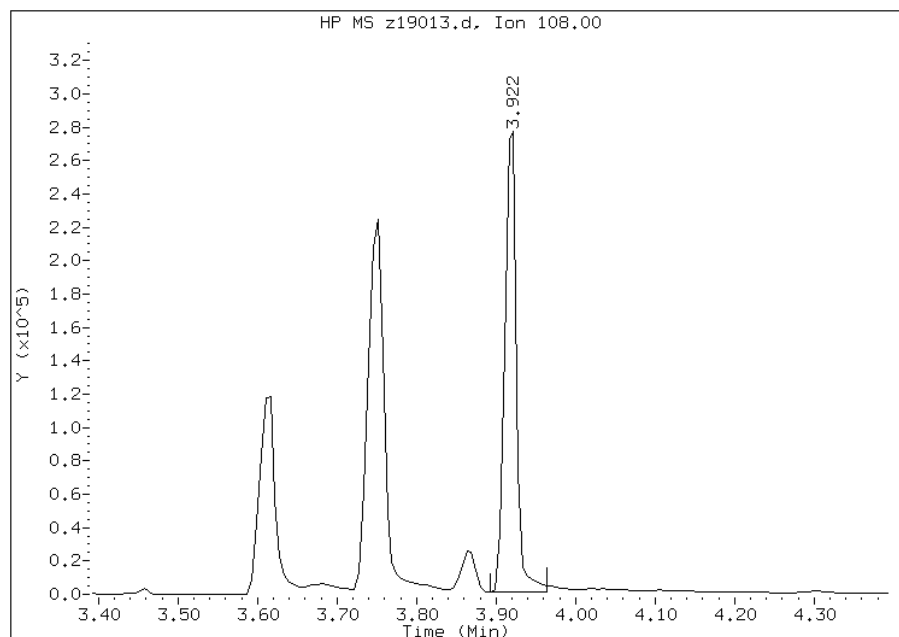
Processing Integration Results

RT: 3.92
Response: 324401
Amount: 51
Conc: 51



Manual Integration Results

RT: 3.92
Response: 299986
Amount: 48
Conc: 48



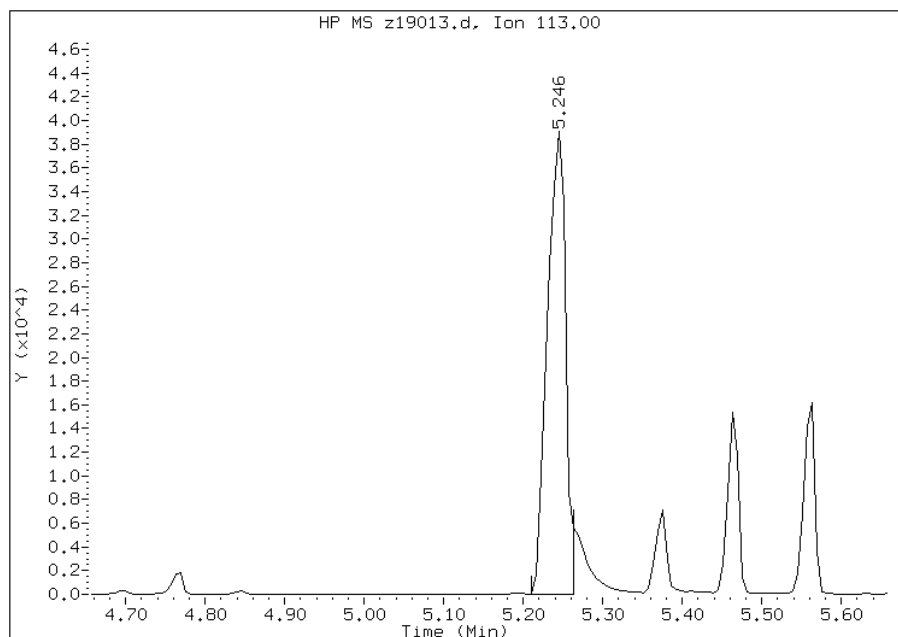
Manually Integrated By: wahied
Manual Integration Reason: Peak Tailing or Fronting

Manual Integration Report

Data File: z19013.d
Inj. Date and Time: 24-JUN-2012 23:52
Instrument ID: BNAMS11.i
Client ID:
Compound: 111 Caprolactam
CAS #: 105-60-2
Report Date: 06/26/2012

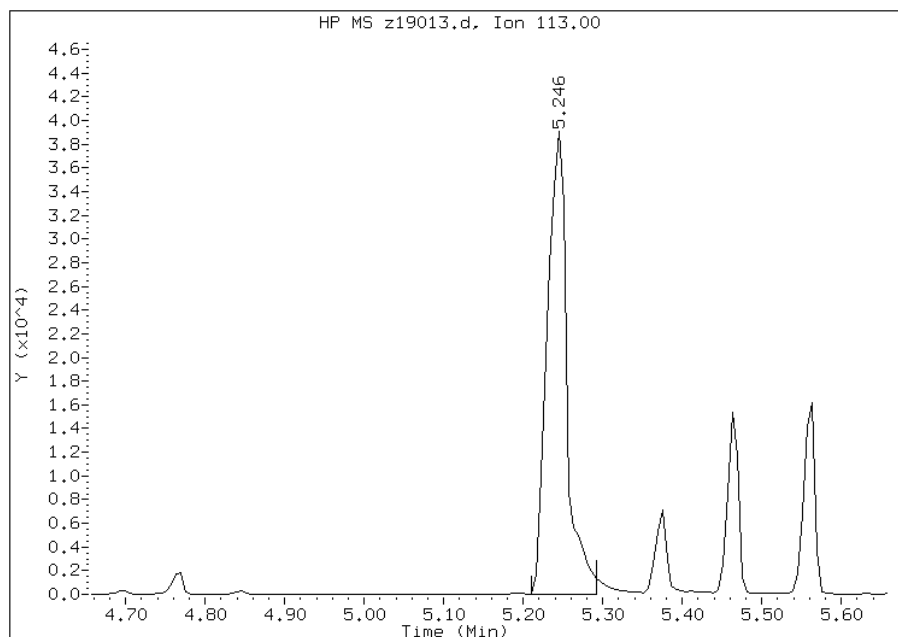
Processing Integration Results

RT: 5.25
Response: 63613
Amount: 44
Conc: 44



Manual Integration Results

RT: 5.25
Response: 68685
Amount: 47
Conc: 47



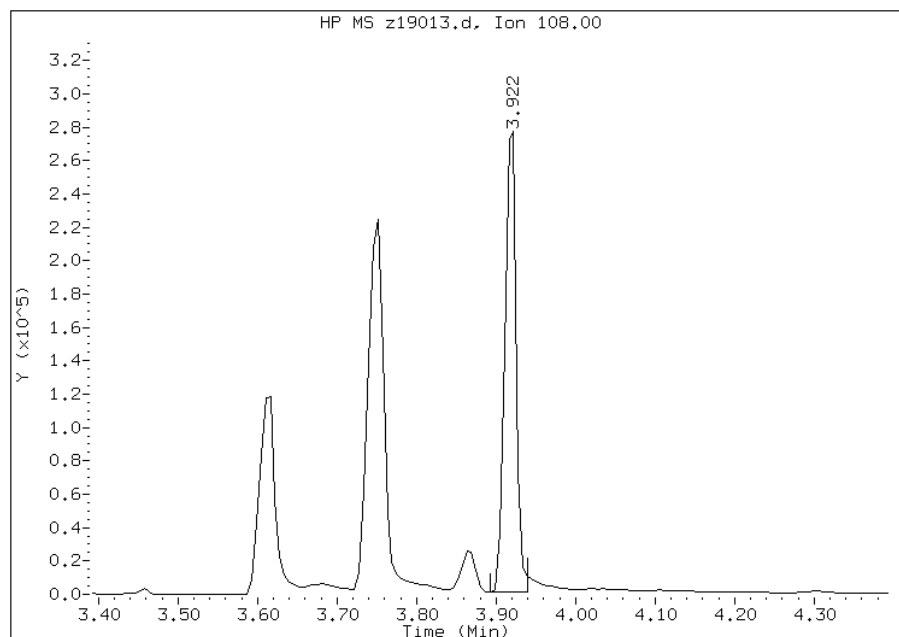
Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z19013.d
Inj. Date and Time: 24-JUN-2012 23:52
Instrument ID: BNAMS11.i
Client ID:
Compound: 123 3 & 4 Methylphenol
CAS #: 15831-10-4
Report Date: 06/26/2012

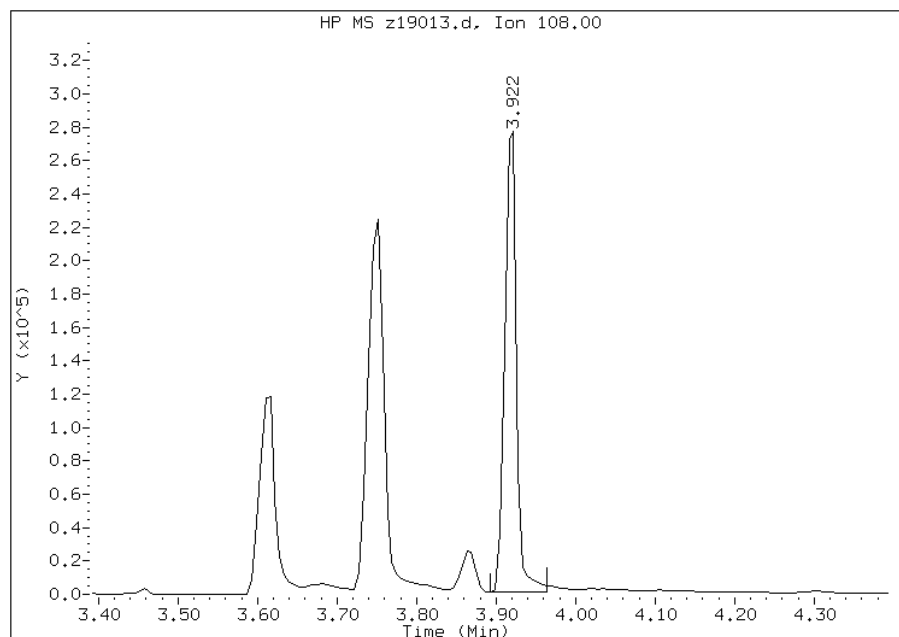
Processing Integration Results

RT: 3.92
Response: 292080
Amount: 47
Conc: 47



Manual Integration Results

RT: 3.92
Response: 300156
Amount: 48
Conc: 48



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19014.d
 Report Date: 25-Jun-2012 14:47

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19014.d
 Lab Smp Id: IC-1519307
 Inj Date : 25-JUN-2012 00:16
 Operator : BNAMS 4
 Smp Info : IC-1519307
 Misc Info : 120 ppm bna 4658
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/8270C_11.m
 Meth Date : 25-Jun-2012 14:47 croccom Quant Type: ISTD
 Cal Date : 25-JUN-2012 00:16 Cal File: z19014.d
 Als bottle: 3 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88	1.117	1.117	(0.323)	372682	120.000	120(A)
19 N-Nitrosodimethylamine	74	1.335	1.335	(0.386)	534556	120.000	130(AM)
71 Pyridine	79	1.364	1.364	(0.394)	940825	120.000	130(AM)
\$ 16 2-Fluorophenol (SUR)	112	2.276	2.276	(0.658)	865748	120.000	130(A)
110 Benzaldehyde	77	3.017	3.017	(0.872)	86746	120.000	30
\$ 17 Phenol-d5 (SUR)	99	3.158	3.158	(0.913)	1000217	120.000	120(A)
1 Phenol	94	3.176	3.176	(0.918)	1103983	120.000	120
73 Aniline	93	3.135	3.135	(0.906)	1000067	120.000	100(A)
20 bis(2-Chloroethyl)ether	93	3.235	3.235	(0.935)	1181815	120.000	150(A)
2 2-Chlorophenol	128	3.276	3.276	(0.947)	892853	120.000	120
113 n-decane	43	3.317	3.317	(0.959)	845714	120.000	100
21 1,3-Dichlorobenzene	146	3.405	3.405	(0.985)	986947	120.000	120(A)
* 79 1,4-Dichlorobenzene-d4	152	3.458	3.458	(1.000)	207119	40.0000	

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19014.d
Report Date: 25-Jun-2012 14:47

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ug/ml)	ON -COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.476	3.476	(1.005)	983958	120.000	120
74 Benzyl Alcohol	108	3.635	3.635	(1.051)	557350	120.000	130(A)
23 1,2-Dichlorobenzene	146	3.629	3.629	(1.049)	902080	120.000	120
3 2-Methylphenol	108	3.770	3.770	(1.090)	714022	120.000	120
24 bis (2-chloroisopropyl) ether	45	3.764	3.764	(1.088)	1043856	120.000	110
4 4-Methylphenol	108	3.952	3.952	(1.143)	640321	120.000	100
123 3 & 4 Methylphenol	108	3.952	3.952	(1.143)	640321	120.000	100
104 Acetophenone	105	3.905	3.905	(1.129)	1106917	120.000	120(A)
25 N-Nitroso-di-n-propylamine	70	3.970	3.970	(1.148)	533330	120.000	120
26 Hexachloroethane	117	3.964	3.964	(1.146)	324658	120.000	100
\$ 76 Nitrobenzene-d5 (SUR)	82	4.052	4.052	(0.853)	863574	120.000	120
27 Nitrobenzene	77	4.076	4.076	(0.858)	1034466	120.000	110
107 N,N-Dimethylaniline	120	4.076	4.076	(1.179)	1218410	120.000	120
28 Isophorone	82	4.329	4.329	(0.911)	1447729	120.000	120(A)
5 2-Nitrophenol	139	4.382	4.382	(0.922)	482837	120.000	120(A)
6 2,4-Dimethylphenol	122	4.476	4.476	(0.942)	700444	120.000	120
29 bis(2-Chloroethoxy)methane	93	4.552	4.552	(0.958)	914597	120.000	120(A)
15 Benzoic Acid	122	4.735	4.735	(0.996)	438466	120.000	120(M)
7 2,4-Dichlorophenol	162	4.641	4.641	(0.976)	597762	120.000	110
30 1,2,4-Trichlorobenzene	180	4.705	4.705	(0.990)	712520	120.000	120
* 80 Naphthalene-d8	136	4.752	4.752	(1.000)	779140	40.0000	
31 Naphthalene	128	4.776	4.776	(1.005)	2390553	120.000	120
32 4-Chloroaniline	127	4.852	4.852	(1.021)	900609	120.000	120(A)
33 Hexachlorobutadiene	225	4.917	4.917	(1.035)	371493	120.000	110
111 Caprolactam	113	5.335	5.335	(1.123)	180744	120.000	120(A)
8 4-Chloro-3-methylphenol	107	5.399	5.399	(1.136)	572516	120.000	120
34 2-Methylnaphthalene	142	5.476	5.476	(1.152)	1517952	120.000	120(A)
120 1-Methylnaphthalene	142	5.570	5.570	(1.172)	1538619	120.000	120(A)
35 Hexachlorocyclopentadiene	237	5.640	5.640	(0.869)	357943	120.000	120(A)
129 1,2,4,5-Tetrachlorobenzene	216	5.652	5.652	(0.870)	570714	120.000	110
121 2-tert-Butyl-4-methylphenol	149	5.735	5.735	(1.207)	817016	120.000	100
9 2,4,6-Trichlorophenol	196	5.782	5.782	(0.890)	457108	120.000	140(A)
10 2,4,5-Trichlorophenol	196	5.829	5.829	(0.898)	359890	120.000	110
\$ 77 2-Fluorobiphenyl (SUR)	172	5.858	5.858	(0.902)	1493969	120.000	120(A)
102 Diphenyl	154	5.952	5.952	(0.917)	1489751	120.000	110
36 2-Chloronaphthalene	162	5.958	5.958	(0.918)	1160630	120.000	120
103 Diphenyl Ether	170	6.058	6.058	(0.933)	901010	120.000	120(A)
37 2-Nitroaniline	65	6.088	6.088	(0.937)	323062	120.000	110
125 1,3-Dimethylnaphthalene	156	6.182	6.182	(0.952)	1087501	120.000	120(A)
38 Dimethylphthalate	163	6.287	6.287	(0.968)	1234350	120.000	120(A)
114 Coumarin	146	6.287	6.287	(1.323)	437084	120.000	120(A)
40 2,6-Dinitrotoluene	165	6.340	6.340	(0.976)	303614	120.000	130(A)
39 Acenaphthylene	152	6.364	6.364	(0.980)	1963734	120.000	120(A)
41 3-Nitroaniline	138	6.499	6.499	(1.001)	306489	120.000	120(A)
* 82 Acenaphthene-d10	164	6.493	6.493	(1.000)	353872	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	6.558	6.558	(1.010)	964731	120.000	110
42 Acenaphthene	154	6.535	6.535	(1.006)	1146171	120.000	120

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19014.d
 Report Date: 25-Jun-2012 14:47

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.599	6.599	(1.016)	155968	120.000	120
12 4-Nitrophenol	65	6.699	6.699	(1.032)	181921	120.000	110
44 2,4-Dinitrotoluene	165	6.729	6.729	(1.036)	365762	120.000	130(A)
43 Dibenzofuran	168	6.705	6.705	(1.033)	1575788	120.000	120
130 2,3,4,6-Tetrachlorophenol	232	6.840	6.840	(1.053)	262297	120.000	120(A)
45 Diethylphthalate	149	6.982	6.982	(1.075)	1224576	120.000	120(A)
46 4-Chlorophenyl-phenylether	204	7.052	7.052	(1.086)	579471	120.000	120
47 Fluorene	166	7.035	7.035	(1.083)	1255007	120.000	120
48 4-Nitroaniline	138	7.105	7.105	(1.094)	203832	120.000	100(H)
13 4,6-Dinitro-2-methylphenol	198	7.129	7.129	(0.898)	180962	120.000	120(AH)
49 N-Nitrosodiphenylamine	169	7.182	7.182	(0.905)	841739	120.000	120(A)
75 1,2-Diphenylhydrazine	77	7.205	7.205	(0.908)	1508865	120.000	130(A)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.276	7.276	(1.120)	168875	120.000	120(A)
50 4-Bromophenyl-phenylether	248	7.523	7.523	(0.948)	323380	120.000	120(A)
51 Hexachlorobenzene	284	7.576	7.576	(0.955)	331855	120.000	120(A)
112 Atrazine	200	7.729	7.729	(0.974)	262696	120.000	120
14 Pentachlorophenol	266	7.776	7.776	(0.980)	188607	120.000	130(A)
132 Pentachloronitrobenzene	237	7.787	7.787	(0.981)	121700	120.000	120
115 n-Octadecane	57	7.899	7.899	(0.996)	694635	120.000	110
* 83 Phenanthrene-d10	188	7.934	7.934	(1.000)	449143	40.0000	
52 Phenanthrene	178	7.964	7.964	(1.004)	1488152	120.000	120(A)
53 Anthracene	178	8.011	8.011	(1.010)	1494616	120.000	120(A)
54 Carbazole	167	8.181	8.181	(1.031)	1182373	120.000	120
55 Di-n-butylphthalate	149	8.552	8.552	(1.078)	1606875	120.000	120(A)
56 Fluoranthene	202	9.105	9.105	(1.148)	1243153	120.000	120(A)
58 Benzidine	184	9.258	9.258	(1.167)	25294	120.000	16
57 Pyrene	202	9.323	9.323	(0.887)	1190413	120.000	130(A)
\$ 78 Terphenyl-d14	244	9.499	9.499	(0.904)	798823	120.000	130(A)
59 Butylbenzylphthalate	149	9.999	9.999	(0.951)	500779	120.000	140(A)
124 Carbamazepine	193	10.081	10.081	(0.959)	291780	120.000	120(A)
60 3,3'-Dichlorobenzidine	252	10.499	10.499	(0.999)	158327	120.000	97(A)
61 Benzo(a)anthracene	228	10.499	10.499	(0.999)	736689	120.000	120(A)
* 81 Chrysene-d12	240	10.511	10.511	(1.000)	197294	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.599	10.599	(1.008)	653164	120.000	140(A)
62 Chrysene	228	10.540	10.540	(1.003)	704076	120.000	120(A)
64 Di-n-octylphthalate	149	11.328	11.328	(0.933)	895185	120.000	120
65 Benzo(b)fluoranthene	252	11.699	11.699	(0.963)	522103	120.000	140(A)
66 Benzo(k)fluoranthene	252	11.734	11.734	(0.966)	535153	120.000	130(A)
67 Benzo(a)pyrene	252	12.081	12.081	(0.995)	403289	120.000	140(A)
* 84 Perylene-d12	264	12.146	12.146	(1.000)	108719	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.463	13.463	(1.108)	298630	120.000	120(A)
69 Dibenz(a,h)anthracene	278	13.499	13.499	(1.111)	312594	120.000	120(A)
70 Benzo(g,h,i)perylene	276	13.781	13.781	(1.135)	303441	120.000	130(A)

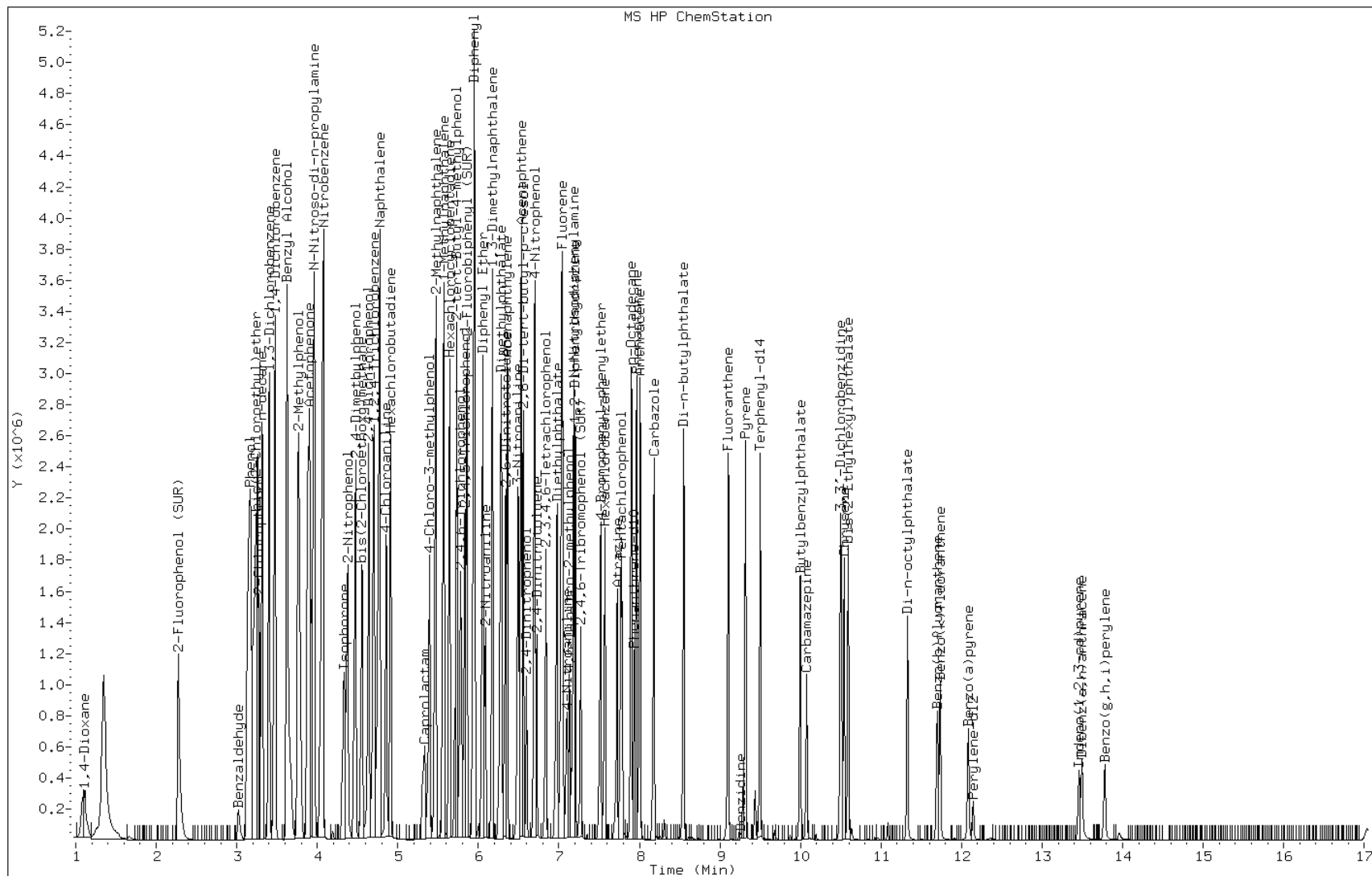
Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19014.d
Report Date: 25-Jun-2012 14:47

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.

Instrument: BNAMS11.i

Operator: BNAMS 4

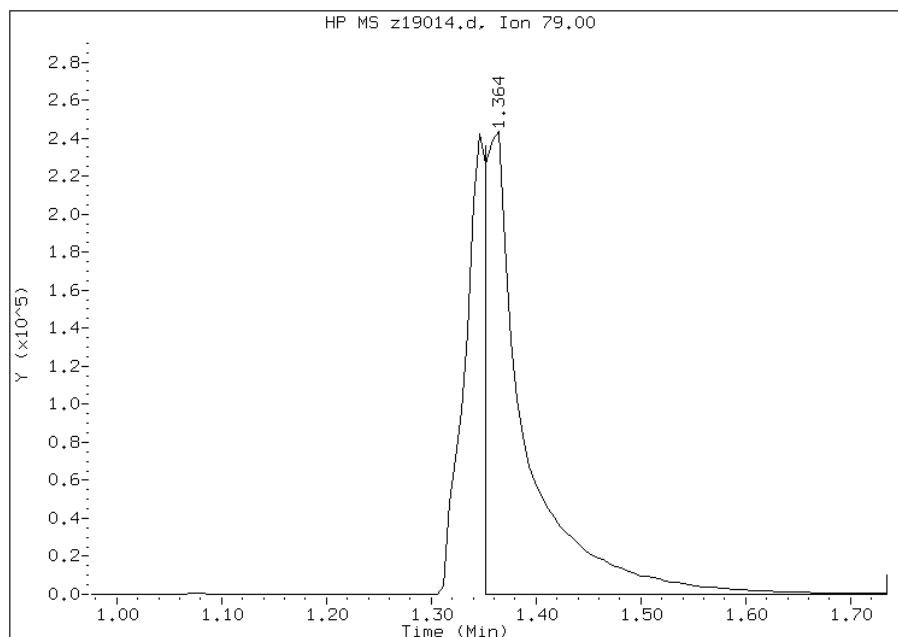


Manual Integration Report

Data File: z19014.d
Inj. Date and Time: 25-JUN-2012 00:16
Instrument ID: BNAMS11.i
Client ID:
Compound: 71 Pyridine
CAS #: 110-86-1
Report Date: 06/26/2012

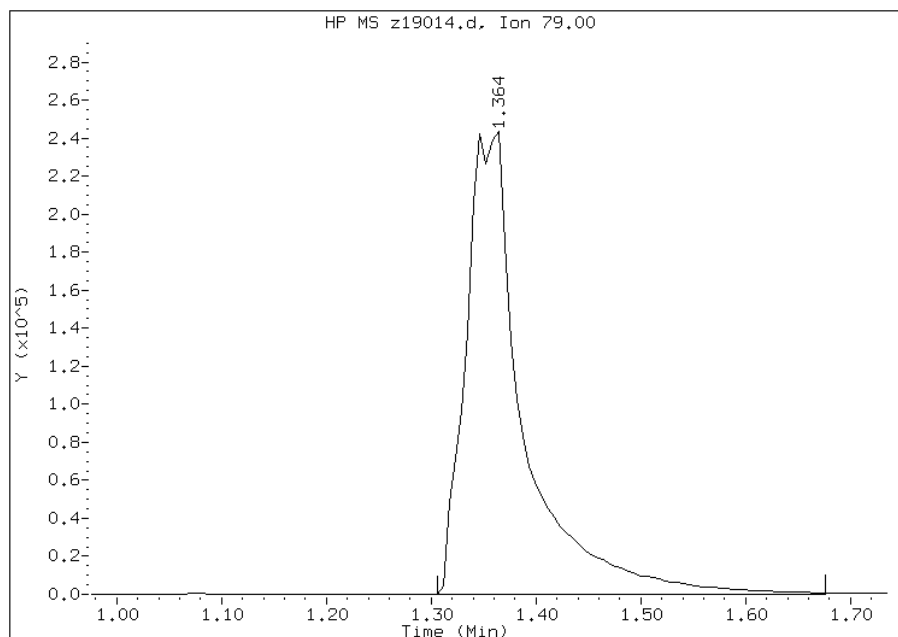
Processing Integration Results

RT: 1.36
Response: 655031
Amount: 153
Conc: 153



Manual Integration Results

RT: 1.36
Response: 940825
Amount: 126
Conc: 126



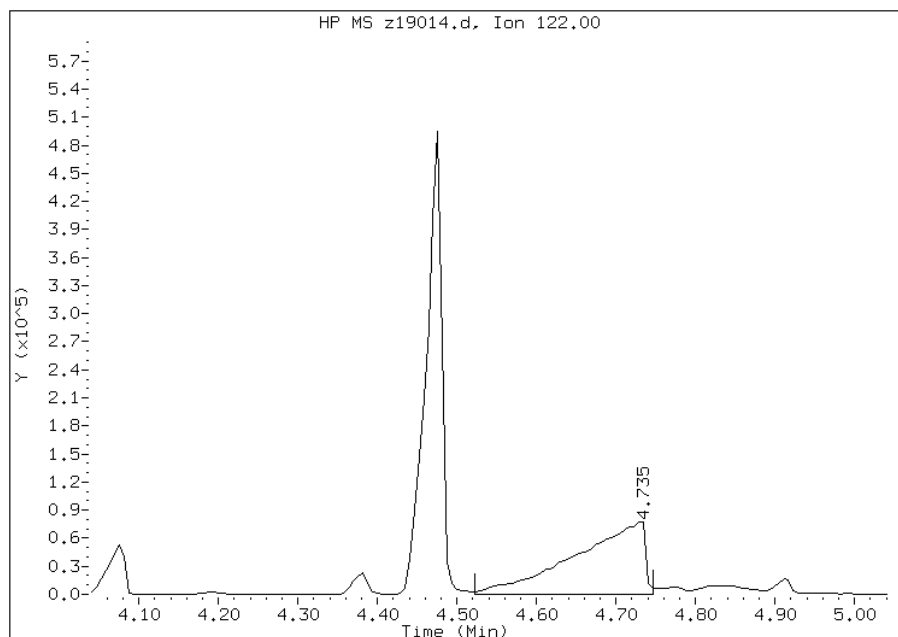
Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z19014.d
Inj. Date and Time: 25-JUN-2012 00:16
Instrument ID: BNAMS11.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/26/2012

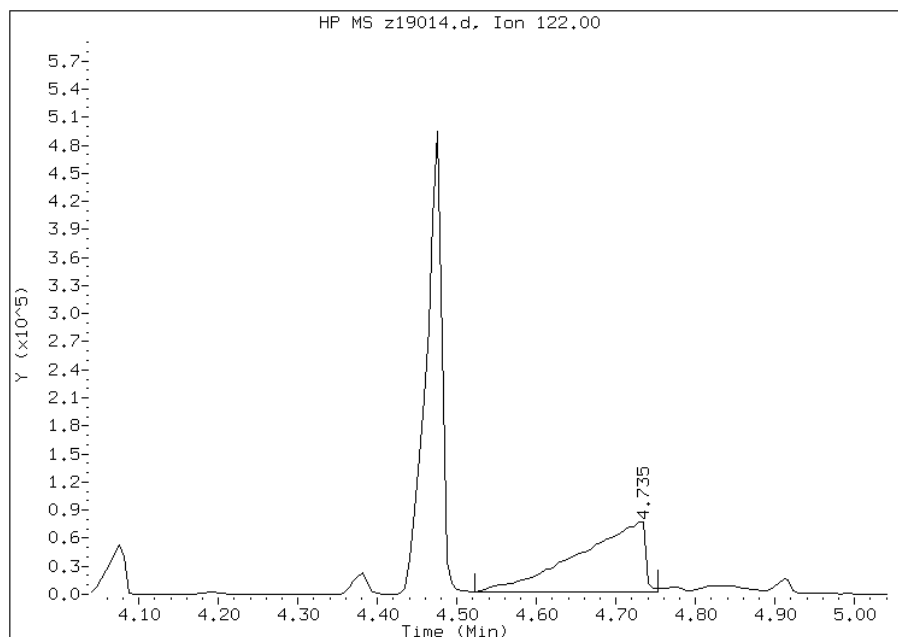
Processing Integration Results

RT: 4.73
Response: 470610
Amount: 125
Conc: 125



Manual Integration Results

RT: 4.73
Response: 438466
Amount: 119
Conc: 119



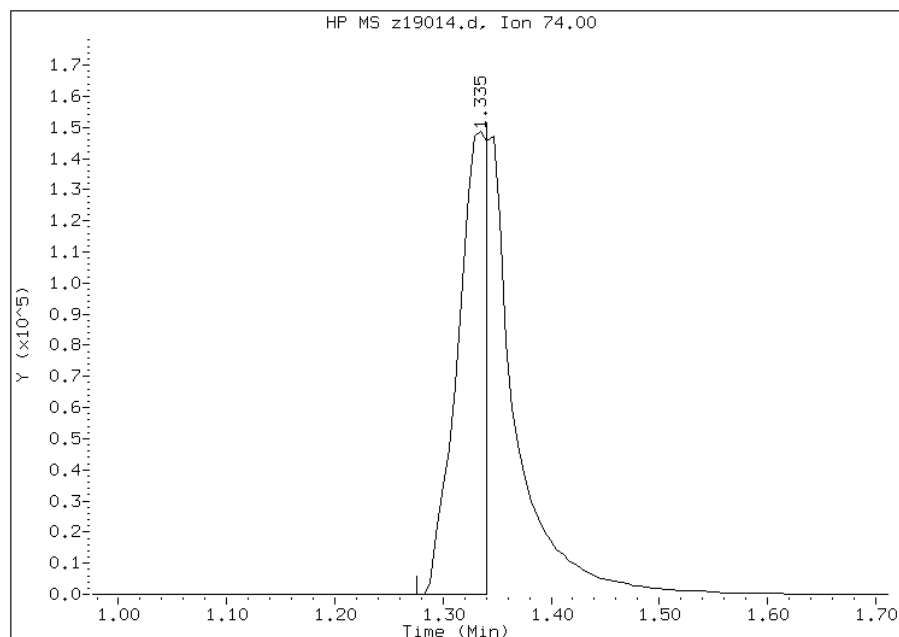
Manually Integrated By: wahied
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: z19014.d
Inj. Date and Time: 25-JUN-2012 00:16
Instrument ID: BNAMS11.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 06/26/2012

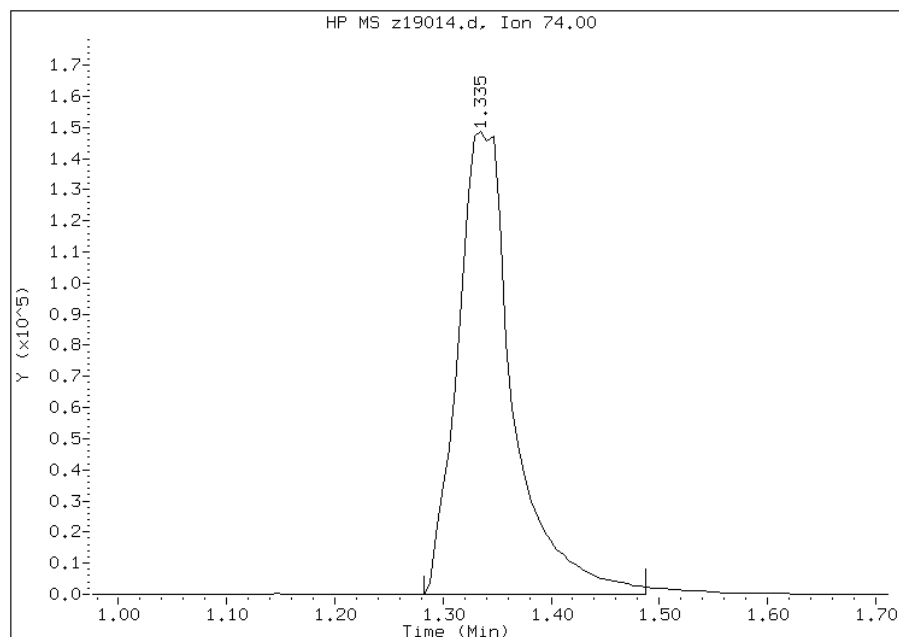
Processing Integration Results

RT: 1.33
Response: 294062
Amount: 132
Conc: 132



Manual Integration Results

RT: 1.33
Response: 534556
Amount: 128
Conc: 128



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19015.d
 Report Date: 25-Jun-2012 14:47

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19015.d
 Lab Smp Id: IC-1519305
 Inj Date : 25-JUN-2012 00:39
 Operator : BNAMS 4
 Smp Info : IC-1519305
 Misc Info : 80 ppm bna 4658
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/8270C_11.m
 Meth Date : 25-Jun-2012 14:47 croccom Quant Type: ISTD
 Cal Date : 25-JUN-2012 00:39 Cal File: z19015.d
 Als bottle: 4 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.076	1.076	(0.312)	247748	80.0000	78
19 N-Nitrosodimethylamine	74	1.276	1.276	(0.370)	345405	80.0000	78(H)
71 Pyridine	79	1.294	1.294	(0.375)	599046	80.0000	76(H)
\$ 16 2-Fluorophenol (SUR)	112	2.246	2.246	(0.652)	560013	80.0000	77
110 Benzaldehyde	77	2.999	2.999	(0.870)	96205	80.0000	32
\$ 17 Phenol-d5 (SUR)	99	3.141	3.141	(0.911)	644199	80.0000	75
1 Phenol	94	3.152	3.152	(0.915)	753417	80.0000	77
73 Aniline	93	3.123	3.123	(0.906)	778291	80.0000	76
20 bis(2-Chloroethyl)ether	93	3.211	3.211	(0.932)	633395	80.0000	78
2 2-Chlorophenol	128	3.246	3.246	(0.942)	626895	80.0000	77
113 n-decane	43	3.311	3.311	(0.961)	611491	80.0000	71
21 1,3-Dichlorobenzene	146	3.393	3.393	(0.985)	681407	80.0000	79
* 79 1,4-Dichlorobenzene-d4	152	3.446	3.446	(1.000)	218820	40.0000	

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19015.d
Report Date: 25-Jun-2012 14:47

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.464	3.464	(1.005)	678562	80.0000	78
74 Benzyl Alcohol	108	3.629	3.629	(1.053)	356806	80.0000	82
23 1,2-Dichlorobenzene	146	3.617	3.617	(1.049)	617256	80.0000	76
3 2-Methylphenol	108	3.758	3.758	(1.090)	492794	80.0000	76
24 bis (2-chloroisopropyl) ether	45	3.752	3.752	(1.089)	724062	80.0000	71
4 4-Methylphenol	108	3.935	3.935	(1.142)	484443	80.0000	76
123 3 & 4 Methylphenol	108	3.935	3.935	(1.142)	484443	80.0000	76
104 Acetophenone	105	3.893	3.893	(1.130)	731359	80.0000	75
25 N-Nitroso-di-n-propylamine	70	3.911	3.911	(1.135)	378583	80.0000	78
26 Hexachloroethane	117	3.958	3.958	(1.148)	264801	80.0000	80
\$ 76 Nitrobenzene-d5 (SUR)	82	4.035	4.035	(0.850)	584937	80.0000	79
27 Nitrobenzene	77	4.064	4.064	(0.856)	716065	80.0000	75
107 N,N-Dimethylaniline	120	4.064	4.064	(1.179)	837082	80.0000	77
28 Isophorone	82	4.311	4.311	(0.908)	928960	80.0000	78
5 2-Nitrophenol	139	4.376	4.376	(0.922)	328163	80.0000	82
6 2,4-Dimethylphenol	122	4.464	4.464	(0.940)	479293	80.0000	78
29 bis(2-Chloroethoxy)methane	93	4.546	4.546	(0.958)	588860	80.0000	77
15 Benzoic Acid	122	4.699	4.699	(0.990)	274531	80.0000	84(M)
7 2,4-Dichlorophenol	162	4.635	4.635	(0.976)	411042	80.0000	76
30 1,2,4-Trichlorobenzene	180	4.699	4.699	(0.990)	480630	80.0000	78
* 80 Naphthalene-d8	136	4.746	4.746	(1.000)	800498	40.0000	
31 Naphthalene	128	4.770	4.770	(1.005)	1619069	80.0000	77
32 4-Chloroaniline	127	4.846	4.846	(1.021)	602097	80.0000	78
33 Hexachlorobutadiene	225	4.911	4.911	(1.035)	256693	80.0000	76
111 Caprolactam	113	5.293	5.293	(1.115)	110719	80.0000	74(H)
8 4-Chloro-3-methylphenol	107	5.387	5.387	(1.135)	387424	80.0000	76
34 2-Methylnaphthalene	142	5.470	5.470	(1.152)	975102	80.0000	76
120 1-Methylnaphthalene	142	5.564	5.564	(1.172)	995158	80.0000	76
35 Hexachlorocyclopentadiene	237	5.640	5.640	(0.869)	233006	80.0000	79
129 1,2,4,5-Tetrachlorobenzene	216	5.646	5.646	(0.870)	399624	80.0000	79
121 2-tert-Butyl-4-methylphenol	149	5.729	5.729	(1.207)	641605	80.0000	77
9 2,4,6-Trichlorophenol	196	5.770	5.770	(0.889)	278963	80.0000	82
10 2,4,5-Trichlorophenol	196	5.817	5.817	(0.896)	269086	80.0000	81
\$ 77 2-Fluorobiphenyl (SUR)	172	5.852	5.852	(0.901)	981960	80.0000	78
102 Diphenyl	154	5.946	5.946	(0.916)	1000674	80.0000	75
36 2-Chloronaphthalene	162	5.952	5.952	(0.917)	772700	80.0000	76
103 Diphenyl Ether	170	6.052	6.052	(0.932)	583720	80.0000	78
37 2-Nitroaniline	65	6.076	6.076	(0.936)	220263	80.0000	74
125 1,3-Dimethylnaphthalene	156	6.176	6.176	(0.951)	707794	80.0000	79
38 Dimethylphthalate	163	6.276	6.276	(0.966)	788016	80.0000	77
114 Coumarin	146	6.276	6.276	(1.322)	273617	80.0000	76
40 2,6-Dinitrotoluene	165	6.329	6.329	(0.975)	194103	80.0000	82
39 Acenaphthylene	152	6.352	6.352	(0.978)	1275313	80.0000	78
41 3-Nitroaniline	138	6.487	6.487	(0.999)	191825	80.0000	77
* 82 Acenaphthene-d10	164	6.493	6.493	(1.000)	355671	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	6.552	6.552	(1.009)	648656	80.0000	75
42 Acenaphthene	154	6.529	6.529	(1.005)	758732	80.0000	79

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19015.d
 Report Date: 25-Jun-2012 14:47

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.587	6.587	(1.014)	104617	80.0000	86
12 4-Nitrophenol	65	6.687	6.687	(1.030)	129069	80.0000	80
44 2,4-Dinitrotoluene	165	6.717	6.717	(1.034)	232204	80.0000	80
43 Dibenzofuran	168	6.699	6.699	(1.032)	1039198	80.0000	77
130 2,3,4,6-Tetrachlorophenol	232	6.834	6.834	(1.053)	167388	80.0000	79
45 Diethylphthalate	149	6.970	6.970	(1.073)	772571	80.0000	79
46 4-Chlorophenyl-phenylether	204	7.046	7.046	(1.085)	387209	80.0000	77
47 Fluorene	166	7.029	7.029	(1.082)	829179	80.0000	78
48 4-Nitroaniline	138	7.087	7.087	(1.091)	155698	80.0000	78
13 4,6-Dinitro-2-methylphenol	198	7.117	7.117	(0.898)	126041	80.0000	89
49 N-Nitrosodiphenylamine	169	7.170	7.170	(0.904)	568466	80.0000	84
75 1,2-Diphenylhydrazine	77	7.199	7.199	(0.908)	948705	80.0000	82
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.270	7.270	(1.120)	103817	80.0000	77
50 4-Bromophenyl-phenylether	248	7.517	7.517	(0.948)	204755	80.0000	80
51 Hexachlorobenzene	284	7.570	7.570	(0.955)	210777	80.0000	79
112 Atrazine	200	7.717	7.717	(0.973)	168067	80.0000	78
14 Pentachlorophenol	266	7.770	7.770	(0.980)	121031	80.0000	85
132 Pentachloronitrobenzene	237	7.781	7.781	(0.981)	80675	80.0000	79
115 n-Octadecane	57	7.899	7.899	(0.996)	488963	80.0000	78
* 83 Phenanthrene-d10	188	7.928	7.928	(1.000)	441421	40.0000	
52 Phenanthrene	178	7.958	7.958	(1.004)	946481	80.0000	78
53 Anthracene	178	8.005	8.005	(1.010)	944633	80.0000	78
54 Carbazole	167	8.175	8.175	(1.031)	743288	80.0000	76
55 Di-n-butylphthalate	149	8.552	8.552	(1.079)	995691	80.0000	79
56 Fluoranthene	202	9.099	9.099	(1.148)	763210	80.0000	75
58 Benzidine	184	9.252	9.252	(1.167)	20593	80.0000	14
57 Pyrene	202	9.317	9.317	(0.887)	740935	80.0000	83
\$ 78 Terphenyl-d14	244	9.493	9.493	(0.904)	490971	80.0000	83
59 Butylbenzylphthalate	149	9.993	9.993	(0.951)	294995	80.0000	86
124 Carbamazepine	193	10.075	10.075	(0.959)	180406	80.0000	80
60 3,3'-Dichlorobenzidine	252	10.493	10.493	(0.999)	107859	80.0000	69
61 Benzo(a)anthracene	228	10.493	10.493	(0.999)	458090	80.0000	80
* 81 Chrysene-d12	240	10.505	10.505	(1.000)	188331	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.593	10.593	(1.008)	388122	80.0000	87
62 Chrysene	228	10.534	10.534	(1.003)	433160	80.0000	79
64 Di-n-octylphthalate	149	11.322	11.322	(0.932)	530747	80.0000	81
65 Benzo(b)fluoranthene	252	11.693	11.693	(0.963)	329839	80.0000	86
66 Benzo(k)fluoranthene	252	11.728	11.728	(0.966)	346445	80.0000	79
67 Benzo(a)pyrene	252	12.075	12.075	(0.994)	260566	80.0000	86
* 84 Perylene-d12	264	12.146	12.146	(1.000)	113200	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.458	13.458	(1.108)	196856	80.0000	78
69 Dibenz(a,h)anthracene	278	13.493	13.493	(1.111)	208095	80.0000	78
70 Benzo(g,h,i)perylene	276	13.775	13.775	(1.134)	205769	80.0000	86

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19015.d
Report Date: 25-Jun-2012 14:47

QC Flag Legend

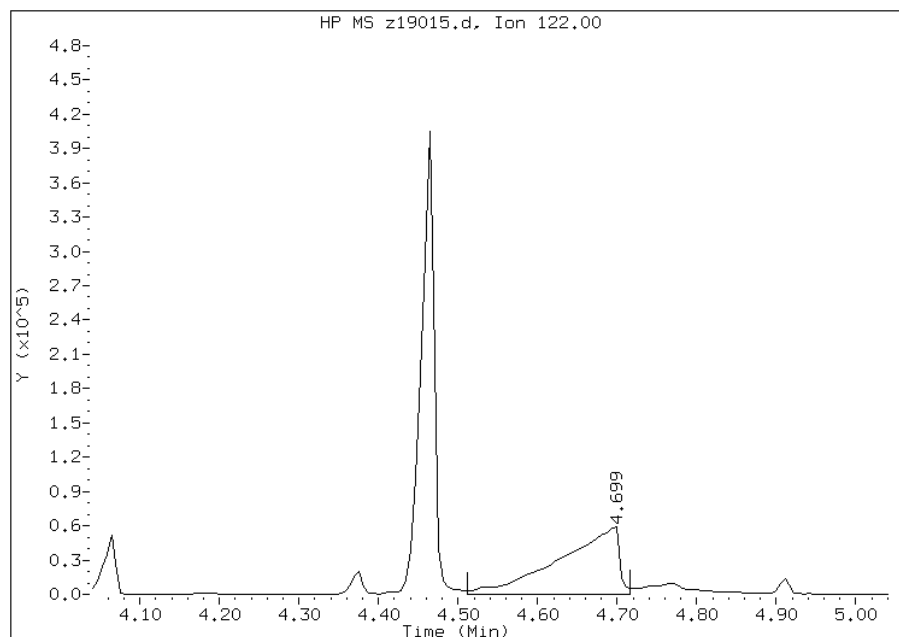
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Manual Integration Report

Data File: z19015.d
Inj. Date and Time: 25-JUN-2012 00:39
Instrument ID: BNAMS11.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/26/2012

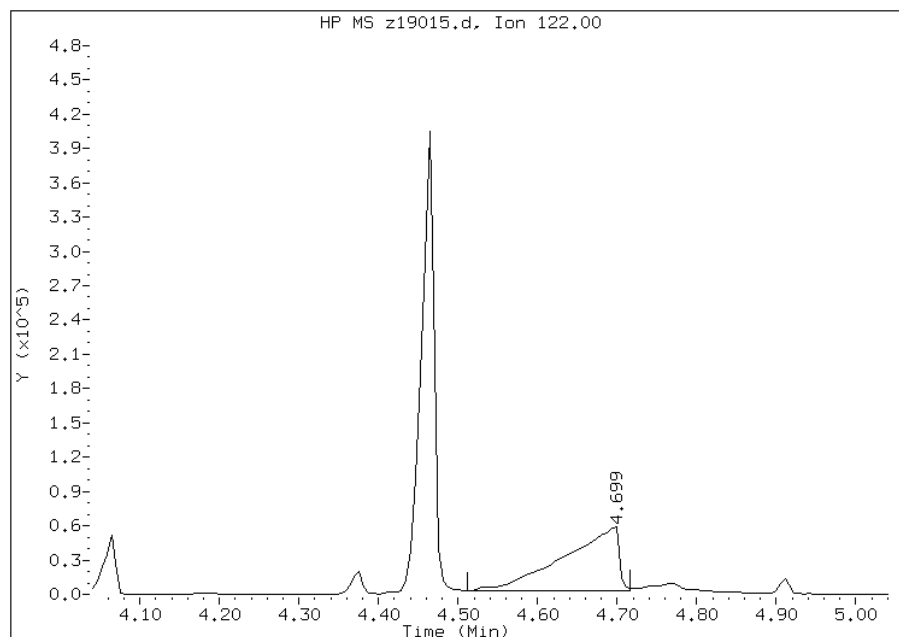
Processing Integration Results

RT: 4.70
Response: 307707
Amount: 80
Conc: 80



Manual Integration Results

RT: 4.70
Response: 274531
Amount: 85
Conc: 85



Manually Integrated By: wahied
Manual Integration Reason: Baseline Event

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19016.d
Report Date: 25-Jun-2012 14:47

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19016.d
Lab Smp Id: IC-1519303
Inj Date : 25-JUN-2012 01:03
Operator : BNAMS 4
Smp Info : IC-1519303
Misc Info : 20 ppm bna 4658
Comment :
Method : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/8270C_11.m
Meth Date : 25-Jun-2012 14:47 croccom Quant Type: ISTD
Cal Date : 25-JUN-2012 01:03 Cal File: z19016.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.023	1.023	(0.298)	63538	20.0000	19
19 N-Nitrosodimethylamine	74	1.206	1.206	(0.351)	88812	20.0000	20(H)
71 Pyridine	79	1.223	1.223	(0.356)	157604	20.0000	19(H)
\$ 16 2-Fluorophenol (SUR)	112	2.205	2.205	(0.642)	148276	20.0000	20
110 Benzaldehyde	77	2.982	2.982	(0.868)	64268	20.0000	21
\$ 17 Phenol-d5 (SUR)	99	3.100	3.100	(0.902)	175635	20.0000	20
1 Phenol	94	3.117	3.117	(0.908)	204738	20.0000	20(H)
73 Aniline	93	3.100	3.100	(0.902)	218771	20.0000	21
20 bis(2-Chloroethyl)ether	93	3.182	3.182	(0.926)	151563	20.0000	18(H)
2 2-Chlorophenol	128	3.223	3.223	(0.938)	168843	20.0000	20
113 n-decane	43	3.300	3.300	(0.961)	186825	20.0000	21
21 1,3-Dichlorobenzene	146	3.376	3.376	(0.983)	175239	20.0000	20
* 79 1,4-Dichlorobenzene-d4	152	3.435	3.435	(1.000)	224990	40.0000	

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19016.d
 Report Date: 25-Jun-2012 14:47

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.452	3.452	(1.005)	179067	20.0000	20
74 Benzyl Alcohol	108	3.600	3.600	(1.048)	96236	20.0000	21
23 1,2-Dichlorobenzene	146	3.605	3.605	(1.050)	166480	20.0000	20
3 2-Methylphenol	108	3.735	3.735	(1.087)	137359	20.0000	20
24 bis (2-chloroisopropyl) ether	45	3.747	3.747	(1.091)	219014	20.0000	21
4 4-Methylphenol	108	3.899	3.899	(1.135)	142476	20.0000	22
123 3 & 4 Methylphenol	108	3.899	3.899	(1.135)	142724	20.0000	22
104 Acetophenone	105	3.870	3.870	(1.127)	203425	20.0000	20
25 N-Nitroso-di-n-propylamine	70	3.882	3.882	(1.130)	102234	20.0000	20
26 Hexachloroethane	117	3.947	3.947	(1.149)	70109	20.0000	21
\$ 76 Nitrobenzene-d5 (SUR)	82	4.011	4.011	(0.846)	155164	20.0000	20
27 Nitrobenzene	77	4.035	4.035	(0.851)	209698	20.0000	21
107 N,N-Dimethylaniline	120	4.041	4.041	(1.176)	229490	20.0000	20
28 Isophorone	82	4.288	4.288	(0.904)	248061	20.0000	20
5 2-Nitrophenol	139	4.358	4.358	(0.919)	84879	20.0000	20
6 2,4-Dimethylphenol	122	4.441	4.441	(0.937)	132905	20.0000	21
29 bis(2-Chloroethoxy)methane	93	4.535	4.535	(0.957)	159871	20.0000	20
15 Benzoic Acid	122	4.599	4.599	(0.970)	65287	20.0000	22(MH)
7 2,4-Dichlorophenol	162	4.617	4.617	(0.974)	117956	20.0000	21
30 1,2,4-Trichlorobenzene	180	4.694	4.694	(0.990)	128329	20.0000	20
* 80 Naphthalene-d8	136	4.741	4.741	(1.000)	842760	40.0000	
31 Naphthalene	128	4.758	4.758	(1.004)	447143	20.0000	20
32 4-Chloroaniline	127	4.835	4.835	(1.020)	168723	20.0000	21
33 Hexachlorobutadiene	225	4.905	4.905	(1.035)	71233	20.0000	20
111 Caprolactam	113	5.205	5.205	(1.098)	33242	20.0000	21(H)
8 4-Chloro-3-methylphenol	107	5.364	5.364	(1.132)	112363	20.0000	21
34 2-Methylnaphthalene	142	5.458	5.458	(1.151)	272553	20.0000	20
120 1-Methylnaphthalene	142	5.558	5.558	(1.172)	283307	20.0000	20
35 Hexachlorocyclopentadiene	237	5.629	5.629	(0.868)	56344	20.0000	16
129 1,2,4,5-Tetrachlorobenzene	216	5.635	5.635	(0.869)	117383	20.0000	20
121 2-tert-Butyl-4-methylphenol	149	5.711	5.711	(1.205)	190666	20.0000	22
9 2,4,6-Trichlorophenol	196	5.758	5.758	(0.888)	74705	20.0000	19(H)
10 2,4,5-Trichlorophenol	196	5.793	5.793	(0.893)	78532	20.0000	20
\$ 77 2-Fluorobiphenyl (SUR)	172	5.841	5.841	(0.900)	279442	20.0000	19
102 Diphenyl	154	5.935	5.935	(0.915)	309287	20.0000	20
36 2-Chloronaphthalene	162	5.941	5.941	(0.916)	230310	20.0000	20
103 Diphenyl Ether	170	6.041	6.041	(0.931)	170559	20.0000	20
37 2-Nitroaniline	65	6.058	6.058	(0.934)	67649	20.0000	20
125 1,3-Dimethylnaphthalene	156	6.164	6.164	(0.950)	207729	20.0000	20
38 Dimethylphthalate	163	6.258	6.258	(0.965)	233872	20.0000	20
114 Coumarin	146	6.252	6.252	(1.319)	80560	20.0000	21
40 2,6-Dinitrotoluene	165	6.311	6.311	(0.973)	55017	20.0000	20(H)
39 Acenaphthylene	152	6.341	6.341	(0.977)	367085	20.0000	19
41 3-Nitroaniline	138	6.464	6.464	(0.996)	56931	20.0000	20(H)
* 82 Acenaphthene-d10	164	6.488	6.488	(1.000)	410458	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	6.546	6.546	(1.009)	203609	20.0000	20
42 Acenaphthene	154	6.517	6.517	(1.005)	220987	20.0000	20

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19016.d
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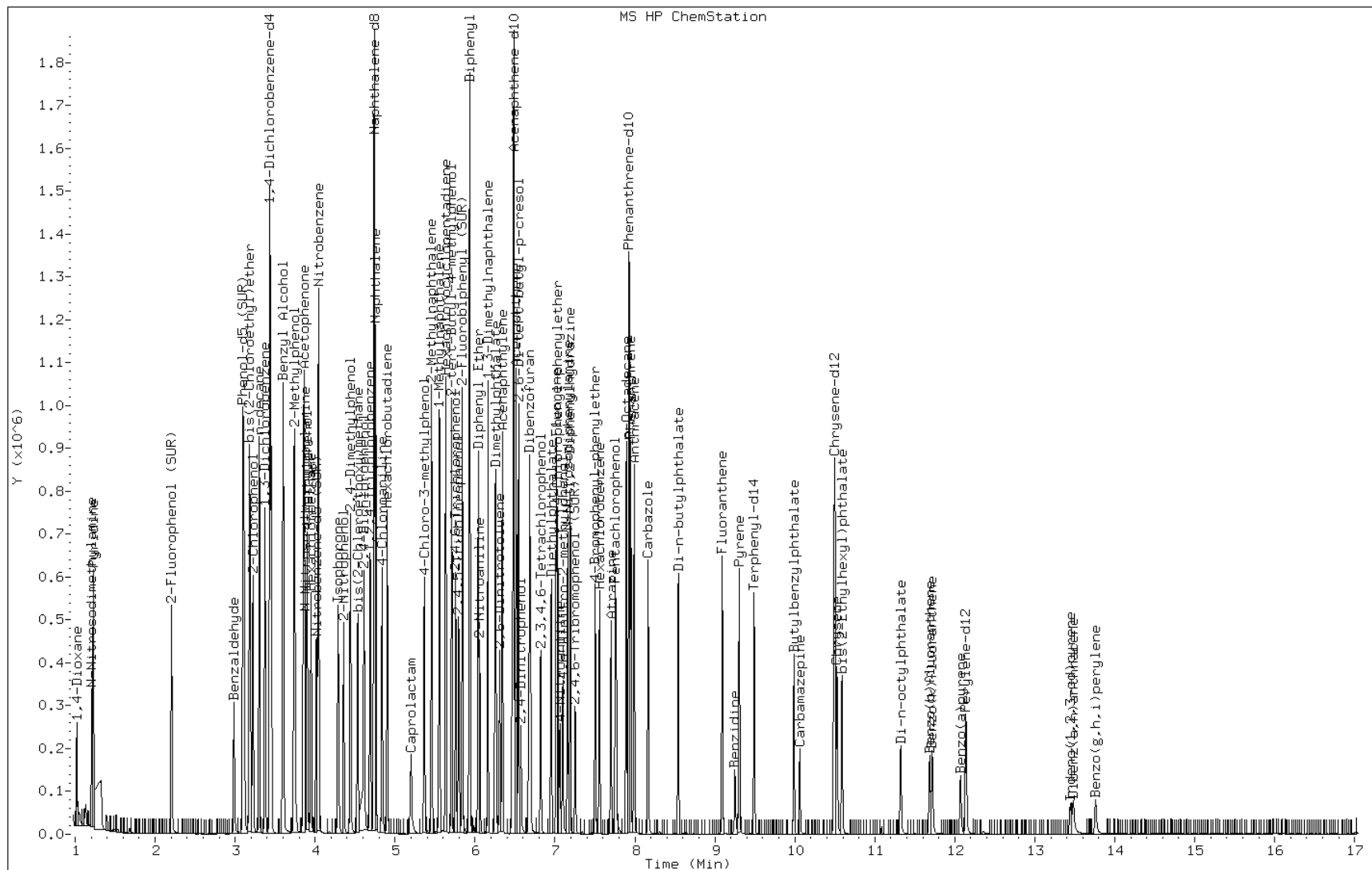
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.576	6.576	(1.014)	35528	30.0000	29
12 4-Nitrophenol	65	6.670	6.670	(1.028)	60030	30.0000	32
44 2,4-Dinitrotoluene	165	6.699	6.699	(1.033)	67347	20.0000	20
43 Dibenzofuran	168	6.688	6.688	(1.031)	309354	20.0000	20
130 2,3,4,6-Tetrachlorophenol	232	6.823	6.823	(1.052)	48890	20.0000	20
45 Diethylphthalate	149	6.958	6.958	(1.073)	224188	20.0000	20
46 4-Chlorophenyl-phenylether	204	7.035	7.035	(1.084)	117849	20.0000	20
47 Fluorene	166	7.017	7.017	(1.082)	250519	20.0000	20
48 4-Nitroaniline	138	7.064	7.064	(1.089)	48556	20.0000	21
13 4,6-Dinitro-2-methylphenol	198	7.099	7.099	(0.896)	52059	30.0000	30
49 N-Nitrosodiphenylamine	169	7.158	7.158	(0.903)	160817	20.0000	20
75 1,2-Diphenylhydrazine	77	7.188	7.188	(0.907)	282069	20.0000	20
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.258	7.258	(1.119)	31730	20.0000	20
50 4-Bromophenyl-phenylether	248	7.505	7.505	(0.947)	59929	20.0000	19
51 Hexachlorobenzene	284	7.558	7.558	(0.954)	62874	20.0000	20
112 Atrazine	200	7.699	7.699	(0.972)	50948	20.0000	20
14 Pentachlorophenol	266	7.758	7.758	(0.979)	52920	30.0000	31
132 Pentachloronitrobenzene	237	7.770	7.770	(0.981)	24593	20.0000	20
115 n-Octadecane	57	7.893	7.893	(0.996)	157849	20.0000	21
* 83 Phenanthrene-d10	188	7.923	7.923	(1.000)	534057	40.0000	
52 Phenanthrene	178	7.946	7.946	(1.003)	287956	20.0000	20
53 Anthracene	178	7.993	7.993	(1.009)	291386	20.0000	20
54 Carbazole	167	8.164	8.164	(1.030)	240355	20.0000	20
55 Di-n-butylphthalate	149	8.546	8.546	(1.079)	304039	20.0000	20
56 Fluoranthene	202	9.093	9.093	(1.148)	241567	20.0000	20
58 Benzidine	184	9.246	9.246	(1.167)	67715	30.0000	37
57 Pyrene	202	9.305	9.305	(0.886)	233084	20.0000	20
\$ 78 Terphenyl-d14	244	9.487	9.487	(0.904)	154446	20.0000	20
59 Butylbenzylphthalate	149	9.987	9.987	(0.951)	86652	20.0000	19
124 Carbamazepine	193	10.064	10.064	(0.959)	45640	20.0000	15
60 3,3'-Dichlorobenzidine	252	10.487	10.487	(0.999)	64622	30.0000	32
61 Benzo(a)anthracene	228	10.487	10.487	(0.999)	143466	20.0000	19
* 81 Chrysene-d12	240	10.499	10.499	(1.000)	246111	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.593	10.593	(1.009)	111971	20.0000	19
62 Chrysene	228	10.523	10.523	(1.002)	139375	20.0000	19
64 Di-n-octylphthalate	149	11.323	11.323	(0.933)	137454	20.0000	20
65 Benzo(b)fluoranthene	252	11.687	11.687	(0.963)	96628	20.0000	21
66 Benzo(k)fluoranthene	252	11.717	11.717	(0.965)	101971	20.0000	19
67 Benzo(a)pyrene	252	12.070	12.070	(0.994)	72064	20.0000	20
* 84 Perylene-d12	264	12.140	12.140	(1.000)	135442	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.446	13.446	(1.108)	44279	20.0000	15
69 Dibenz(a,h)anthracene	278	13.481	13.481	(1.110)	52506	20.0000	16
70 Benzo(g,h,i)perylene	276	13.764	13.764	(1.134)	53358	20.0000	19

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19016.d
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QC Flag Legend

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

Operator: BNAMS 4

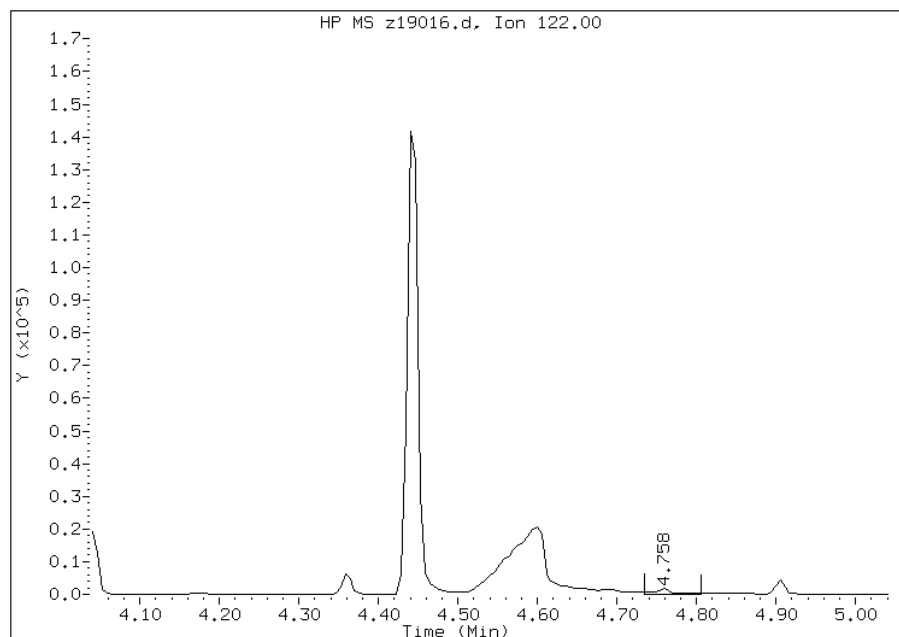


Manual Integration Report

Data File: z19016.d
Inj. Date and Time: 25-JUN-2012 01:03
Instrument ID: BNAMS11.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/26/2012

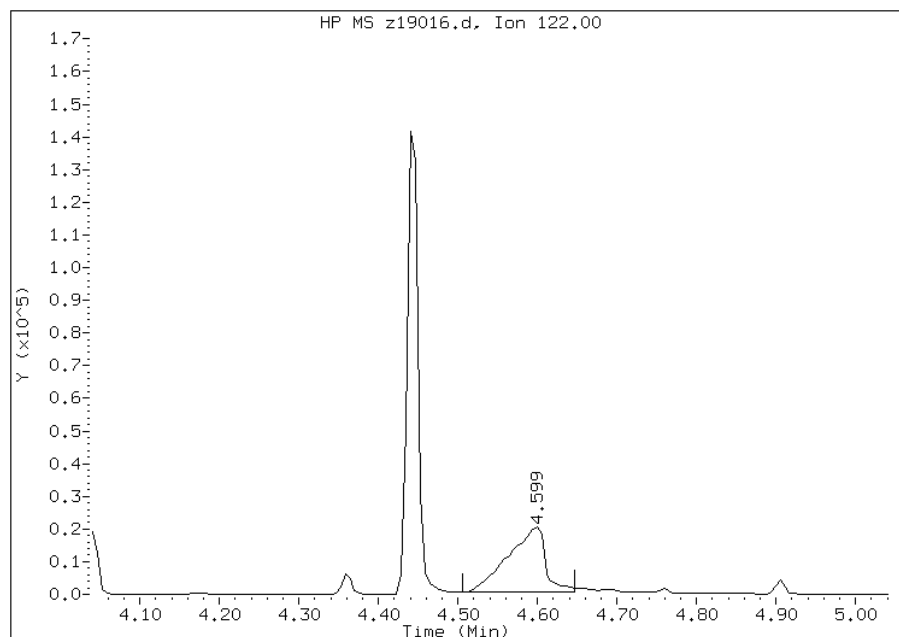
Processing Integration Results

RT: 4.76
Response: 2319
Amount: 1
Conc: 1



Manual Integration Results

RT: 4.60
Response: 65287
Amount: 22
Conc: 22



Manually Integrated By: wahied
Manual Integration Reason: Baseline Event

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19017.d
 Report Date: 25-Jun-2012 14:47

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19017.d
 Lab Smp Id: IC-1519302
 Inj Date : 25-JUN-2012 01:26
 Operator : BNAMS 4
 Smp Info : IC-1519302
 Misc Info : 10 ppm bna 4658
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/8270C_11.m
 Meth Date : 25-Jun-2012 14:47 croccom Quant Type: ISTD
 Cal Date : 25-JUN-2012 01:26 Cal File: z19017.d
 Als bottle: 6 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	0.00000	% Moisture

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	1.029	1.029	(0.300)	33706		10.0000	10
19 N-Nitrosodimethylamine	74	1.211	1.211	(0.353)	46985		10.0000	10(H)
71 Pyridine	79	1.229	1.229	(0.358)	83748		10.0000	10(H)
\$ 16 2-Fluorophenol (SUR)	112	2.205	2.205	(0.642)	75391		10.0000	9.8
110 Benzaldehyde	77	2.982	2.982	(0.868)	33043		10.0000	10
\$ 17 Phenol-d5 (SUR)	99	3.094	3.094	(0.901)	93546		10.0000	10
1 Phenol	94	3.105	3.105	(0.904)	109300		10.0000	11(H)
73 Aniline	93	3.099	3.099	(0.902)	118033		10.0000	11
20 bis(2-Chloroethyl)ether	93	3.176	3.176	(0.925)	80656		10.0000	9.4(H)
2 2-Chlorophenol	128	3.217	3.217	(0.937)	88841		10.0000	10
113 n-decane	43	3.299	3.299	(0.961)	98185		10.0000	11
21 1,3-Dichlorobenzene	146	3.370	3.370	(0.981)	92838		10.0000	10
* 79 1,4-Dichlorobenzene-d4	152	3.435	3.435	(1.000)	231103		40.0000	

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19017.d
Report Date: 25-Jun-2012 14:47

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.452	3.452	(1.005)	95611	10.0000	10
74 Benzyl Alcohol	108	3.594	3.594	(1.046)	49232	10.0000	11
23 1,2-Dichlorobenzene	146	3.605	3.605	(1.050)	88884	10.0000	10
3 2-Methylphenol	108	3.735	3.735	(1.087)	72472	10.0000	10
24 bis (2-chloroisopropyl) ether	45	3.741	3.741	(1.089)	121657	10.0000	11
4 4-Methylphenol	108	3.899	3.899	(1.135)	76041	10.0000	11
123 3 & 4 Methylphenol	108	3.899	3.899	(1.135)	76052	10.0000	11
104 Acetophenone	105	3.864	3.864	(1.125)	110186	10.0000	11
25 N-Nitroso-di-n-propylamine	70	3.876	3.876	(1.128)	55926	10.0000	11
26 Hexachloroethane	117	3.946	3.946	(1.149)	37016	10.0000	11
\$ 76 Nitrobenzene-d5 (SUR)	82	4.011	4.011	(0.846)	83560	10.0000	10
27 Nitrobenzene	77	4.029	4.029	(0.850)	111488	10.0000	10
107 N,N-Dimethylaniline	120	4.041	4.041	(1.176)	121742	10.0000	10
28 Isophorone	82	4.282	4.282	(0.903)	137238	10.0000	10
5 2-Nitrophenol	139	4.358	4.358	(0.919)	44651	10.0000	9.9
6 2,4-Dimethylphenol	122	4.441	4.441	(0.937)	71724	10.0000	10
29 bis(2-Chloroethoxy)methane	93	4.529	4.529	(0.955)	86571	10.0000	10
15 Benzoic Acid	122	4.570	4.570	(0.964)	31198	10.0000	10(MH)
7 2,4-Dichlorophenol	162	4.611	4.611	(0.973)	63542	10.0000	10
30 1,2,4-Trichlorobenzene	180	4.688	4.688	(0.989)	69093	10.0000	10
* 80 Naphthalene-d8	136	4.741	4.741	(1.000)	897277	40.0000	
31 Naphthalene	128	4.758	4.758	(1.004)	244746	10.0000	10
32 4-Chloroaniline	127	4.835	4.835	(1.020)	88639	10.0000	10
33 Hexachlorobutadiene	225	4.905	4.905	(1.035)	38934	10.0000	10
111 Caprolactam	113	5.182	5.182	(1.093)	18549	10.0000	11(H)
8 4-Chloro-3-methylphenol	107	5.358	5.358	(1.130)	60163	10.0000	10
34 2-Methylnaphthalene	142	5.458	5.458	(1.151)	149039	10.0000	10
120 1-Methylnaphthalene	142	5.552	5.552	(1.171)	148431	10.0000	10
35 Hexachlorocyclopentadiene	237	5.629	5.629	(0.868)	26322	10.0000	7.2
129 1,2,4,5-Tetrachlorobenzene	216	5.629	5.629	(0.868)	61976	10.0000	9.9
121 2-tert-Butyl-4-methylphenol	149	5.705	5.705	(1.203)	101749	10.0000	11
9 2,4,6-Trichlorophenol	196	5.758	5.758	(0.888)	40602	10.0000	9.7(H)
10 2,4,5-Trichlorophenol	196	5.793	5.793	(0.893)	42472	10.0000	10
\$ 77 2-Fluorobiphenyl (SUR)	172	5.840	5.840	(0.900)	154367	10.0000	10
102 Diphenyl	154	5.929	5.929	(0.914)	175620	10.0000	10
36 2-Chloronaphthalene	162	5.935	5.935	(0.915)	129224	10.0000	10
103 Diphenyl Ether	170	6.040	6.040	(0.931)	91987	10.0000	10
37 2-Nitroaniline	65	6.058	6.058	(0.934)	40619	10.0000	11
125 1,3-Dimethylnaphthalene	156	6.158	6.158	(0.949)	108856	10.0000	9.8
38 Dimethylphthalate	163	6.258	6.258	(0.965)	133550	10.0000	10
114 Coumarin	146	6.246	6.246	(1.318)	43972	10.0000	11
40 2,6-Dinitrotoluene	165	6.305	6.305	(0.972)	29845	10.0000	10
39 Acenaphthylene	152	6.340	6.340	(0.977)	203426	10.0000	10
41 3-Nitroaniline	138	6.464	6.464	(0.996)	32741	10.0000	11(H)
* 82 Acenaphthene-d10	164	6.488	6.488	(1.000)	441106	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	6.540	6.540	(1.008)	110559	10.0000	10
42 Acenaphthene	154	6.511	6.511	(1.004)	121730	10.0000	10

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19017.d
 Report Date: 25-Jun-2012 14:47

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.570	6.570	(1.013)	21955	20.0000	17
12 4-Nitrophenol	65	6.664	6.664	(1.027)	41992	20.0000	21
44 2,4-Dinitrotoluene	165	6.699	6.699	(1.033)	36843	10.0000	10
43 Dibenzofuran	168	6.682	6.682	(1.030)	173881	10.0000	10
130 2,3,4,6-Tetrachlorophenol	232	6.817	6.817	(1.051)	26914	10.0000	10
45 Diethylphthalate	149	6.952	6.952	(1.072)	124680	10.0000	10
46 4-Chlorophenyl-phenylether	204	7.035	7.035	(1.084)	64987	10.0000	10
47 Fluorene	166	7.017	7.017	(1.082)	138083	10.0000	10
48 4-Nitroaniline	138	7.058	7.058	(1.088)	28233	10.0000	11
13 4,6-Dinitro-2-methylphenol	198	7.093	7.093	(0.895)	36574	20.0000	19
49 N-Nitrosodiphenylamine	169	7.152	7.152	(0.903)	87146	10.0000	9.6
75 1,2-Diphenylhydrazine	77	7.187	7.187	(0.907)	156476	10.0000	10
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.252	7.252	(1.118)	17150	10.0000	10
50 4-Bromophenyl-phenylether	248	7.505	7.505	(0.947)	33306	10.0000	9.8
51 Hexachlorobenzene	284	7.558	7.558	(0.954)	36053	10.0000	10
112 Atrazine	200	7.693	7.693	(0.971)	30620	10.0000	10
14 Pentachlorophenol	266	7.758	7.758	(0.979)	38016	20.0000	20
132 Pentachloronitrobenzene	237	7.770	7.770	(0.981)	13812	10.0000	10
115 n-Octadecane	57	7.887	7.887	(0.996)	85105	10.0000	10
* 83 Phenanthrene-d10	188	7.923	7.923	(1.000)	592436	40.0000	
52 Phenanthrene	178	7.946	7.946	(1.003)	165950	10.0000	10
53 Anthracene	178	7.993	7.993	(1.009)	165731	10.0000	10
54 Carbazole	167	8.164	8.164	(1.030)	140046	10.0000	11
55 Di-n-butylphthalate	149	8.540	8.540	(1.078)	170555	10.0000	10
56 Fluoranthene	202	9.093	9.093	(1.148)	142910	10.0000	10
58 Benzidine	184	9.246	9.246	(1.167)	73250	20.0000	36
57 Pyrene	202	9.305	9.305	(0.886)	138946	10.0000	9.8
\$ 78 Terphenyl-d14	244	9.487	9.487	(0.904)	92752	10.0000	9.9
59 Butylbenzylphthalate	149	9.987	9.987	(0.951)	51302	10.0000	9.4
124 Carbamazepine	193	10.058	10.058	(0.958)	27028	10.0000	7.5
60 3,3'-Dichlorobenzidine	252	10.487	10.487	(0.999)	55128	20.0000	22
61 Benzo(a)anthracene	228	10.487	10.487	(0.999)	86157	10.0000	9.5
* 81 Chrysene-d12	240	10.499	10.499	(1.000)	299079	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.593	10.593	(1.009)	66365	10.0000	9.3
62 Chrysene	228	10.523	10.523	(1.002)	90333	10.0000	10
64 Di-n-octylphthalate	149	11.317	11.317	(0.932)	79491	10.0000	9.1
65 Benzo(b)fluoranthene	252	11.687	11.687	(0.962)	57912	10.0000	9.6
66 Benzo(k)fluoranthene	252	11.717	11.717	(0.965)	71595	10.0000	10
67 Benzo(a)pyrene	252	12.069	12.069	(0.994)	46955	10.0000	9.8
* 84 Perylene-d12	264	12.146	12.146	(1.000)	178274	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.446	13.446	(1.107)	27676	10.0000	7.0
69 Dibenz(a,h)anthracene	278	13.481	13.481	(1.110)	33882	10.0000	8.1
70 Benzo(g,h,i)perylene	276	13.764	13.764	(1.133)	34909	10.0000	9.3

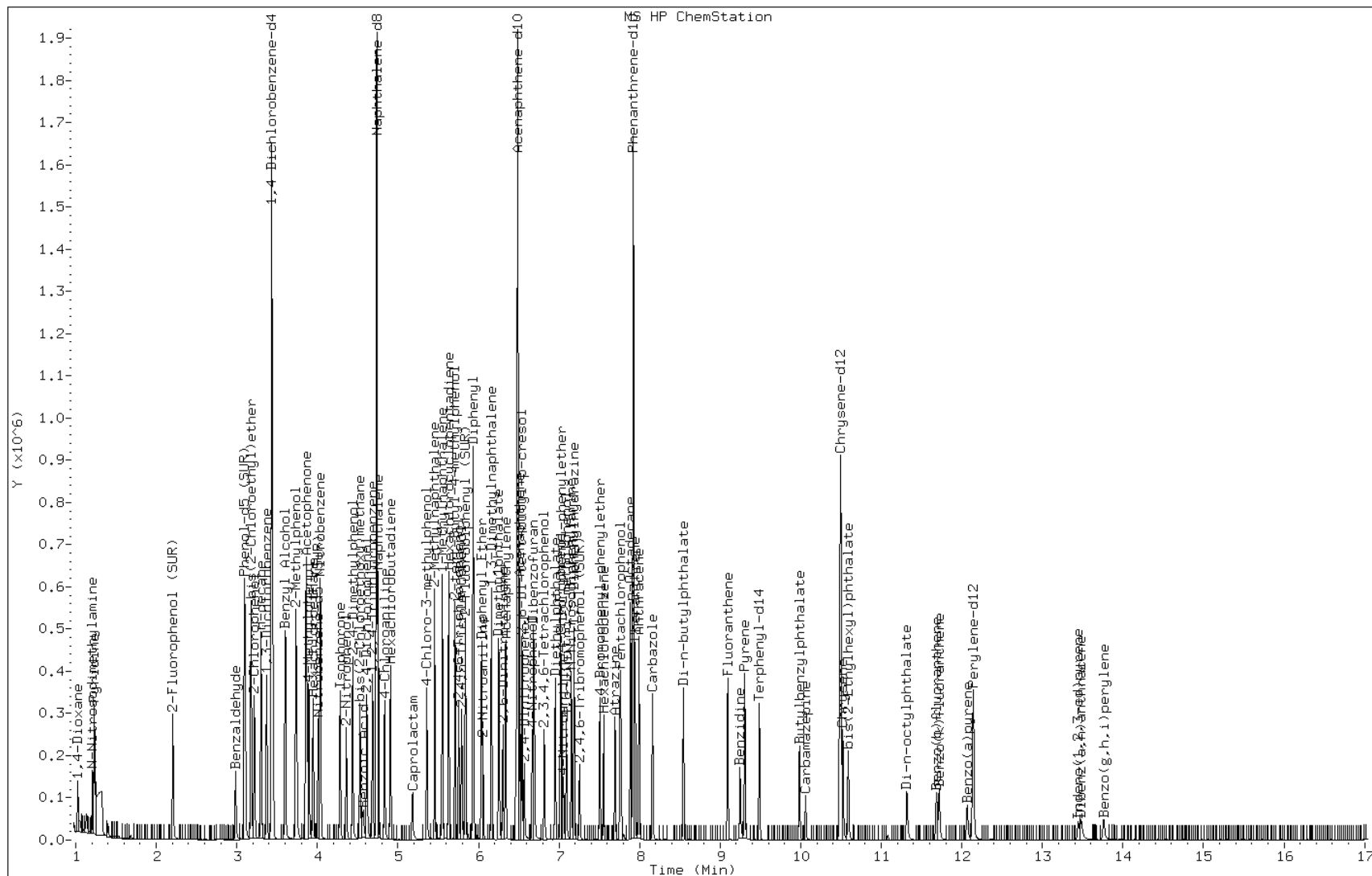
Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19017.d
Report Date: 25-Jun-2012 14:47

QC Flag Legend

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

Instrument: BNAMS11.i

Operator: BNAMS 4

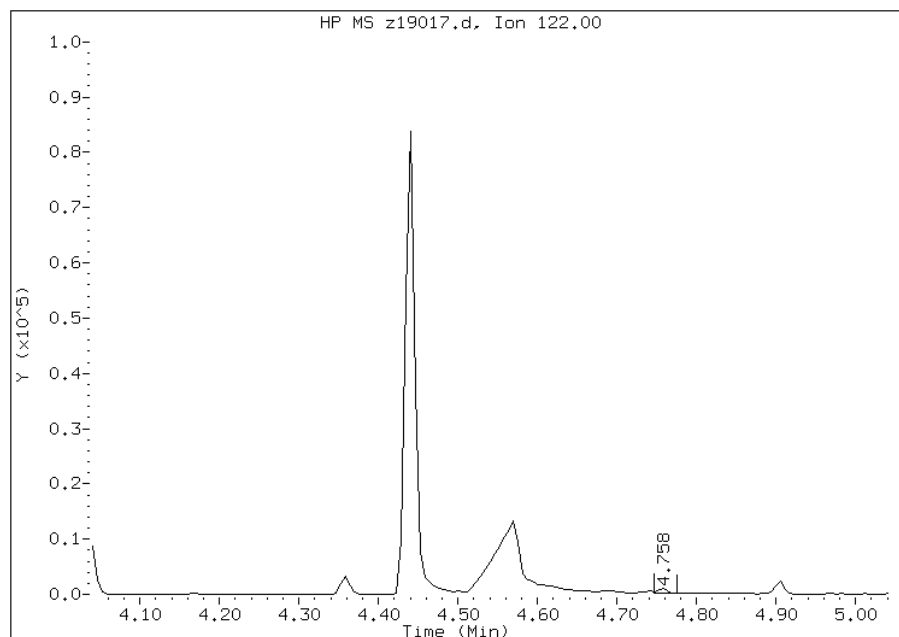


Manual Integration Report

Data File: z19017.d
Inj. Date and Time: 25-JUN-2012 01:26
Instrument ID: BNAMS11.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/26/2012

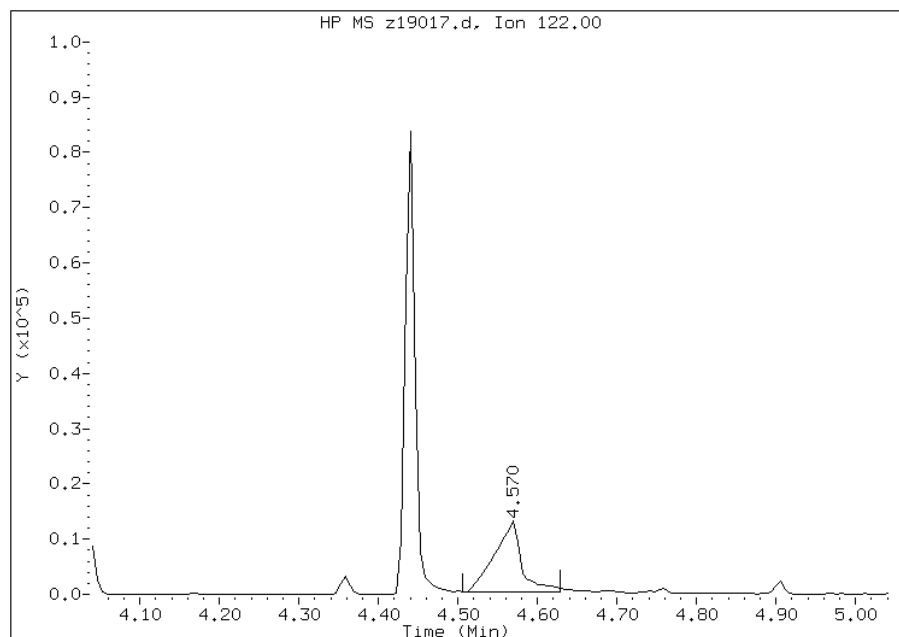
Processing Integration Results

RT: 4.76
Response: 785
Amount: 0
Conc: 0



Manual Integration Results

RT: 4.57
Response: 31198
Amount: 10
Conc: 10



Manually Integrated By: wahied
Manual Integration Reason: Baseline Event

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19018.d
 Report Date: 25-Jun-2012 14:47

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19018.d
 Lab Smp Id: IC-1519301
 Inj Date : 25-JUN-2012 01:50
 Operator : BNAMS 4
 Smp Info : IC-1519301
 Misc Info : 5 ppm bna 4658
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/8270C_11.m
 Meth Date : 25-Jun-2012 14:47 croccom Quant Type: ISTD
 Cal Date : 25-JUN-2012 01:50 Cal File: z19018.d
 Als bottle: 7 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	0.00000	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.029	1.029	(0.300)	16289	5.00000	5.2
19 N-Nitrosodimethylamine	74	1.211	1.211	(0.353)	20464	5.00000	4.7(aH)
71 Pyridine	79	1.235	1.235	(0.360)	40178	5.00000	5.2(H)
\$ 16 2-Fluorophenol (SUR)	112	2.205	2.205	(0.642)	34789	5.00000	4.9(a)
110 Benzaldehyde	77	2.982	2.982	(0.868)	22193	5.00000	7.4
\$ 17 Phenol-d5 (SUR)	99	3.094	3.094	(0.901)	41971	5.00000	5.0
1 Phenol	94	3.105	3.105	(0.904)	48370	5.00000	5.0(H)
73 Aniline	93	3.099	3.099	(0.902)	53010	5.00000	5.2
20 bis(2-Chloroethyl)ether	93	3.176	3.176	(0.925)	3864	0.50000	0.48(aH)
2 2-Chlorophenol	128	3.217	3.217	(0.937)	40112	5.00000	5.0
113 n-decane	43	3.299	3.299	(0.961)	47090	5.00000	5.6
21 1,3-Dichlorobenzene	146	3.370	3.370	(0.981)	43427	5.00000	5.1
* 79 1,4-Dichlorobenzene-d4	152	3.435	3.435	(1.000)	215129	40.0000	

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19018.d
Report Date: 25-Jun-2012 14:47

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.452	3.452	(1.005)	44416	5.00000	5.2
74 Benzyl Alcohol	108	3.593	3.593	(1.046)	19822	5.00000	4.6(a)
23 1,2-Dichlorobenzene	146	3.605	3.605	(1.050)	40697	5.00000	5.1
3 2-Methylphenol	108	3.729	3.729	(1.086)	32192	5.00000	5.0
24 bis (2-chloroisopropyl) ether	45	3.741	3.741	(1.089)	55442	5.00000	5.5
4 4-Methylphenol	108	3.893	3.893	(1.134)	31506	5.00000	5.0
123 3 & 4 Methylphenol	108	3.893	3.893	(1.134)	31506	5.00000	5.0
104 Acetophenone	105	3.858	3.858	(1.123)	47860	5.00000	5.0
25 N-Nitroso-di-n-propylamine	70	3.876	3.876	(1.128)	2310	0.50000	0.48(a)
26 Hexachloroethane	117	3.946	3.946	(1.149)	1604	0.50000	0.49(a)
\$ 76 Nitrobenzene-d5 (SUR)	82	4.005	4.005	(0.846)	36468	5.00000	4.9(a)
27 Nitrobenzene	77	4.029	4.029	(0.851)	4917	0.50000	0.52
107 N,N-Dimethylaniline	120	4.041	4.041	(1.176)	5183	0.50000	0.48(a)
28 Isophorone	82	4.276	4.276	(0.903)	59517	5.00000	5.0
5 2-Nitrophenol	139	4.358	4.358	(0.920)	18841	5.00000	4.7(a)
6 2,4-Dimethylphenol	122	4.440	4.440	(0.938)	31609	5.00000	5.2
29 bis(2-Chloroethoxy)methane	93	4.529	4.529	(0.957)	37718	5.00000	5.0
15 Benzoic Acid	122	4.540	4.540	(0.959)	8519	5.00000	3.2(aMH)
7 2,4-Dichlorophenol	162	4.611	4.611	(0.974)	27197	5.00000	5.1
30 1,2,4-Trichlorobenzene	180	4.688	4.688	(0.990)	3124	0.50000	0.51
* 80 Naphthalene-d8	136	4.735	4.735	(1.000)	798785	40.0000	
31 Naphthalene	128	4.752	4.752	(1.004)	107427	5.00000	5.1
32 4-Chloroaniline	127	4.835	4.835	(1.021)	37765	5.00000	4.9(a)
33 Hexachlorobutadiene	225	4.905	4.905	(1.036)	3564	1.00000	1.1
111 Caprolactam	113	5.158	5.158	(1.089)	6885	5.00000	4.6(aH)
8 4-Chloro-3-methylphenol	107	5.352	5.352	(1.130)	25537	5.00000	5.0
34 2-Methylnaphthalene	142	5.458	5.458	(1.153)	63554	5.00000	5.0
120 1-Methylnaphthalene	142	5.552	5.552	(1.173)	67961	5.00000	5.2(a)
35 Hexachlorocyclopentadiene	237	5.629	5.629	(0.868)	11280	5.00000	3.6(a)
129 1,2,4,5-Tetrachlorobenzene	216	5.629	5.629	(0.868)	27250	5.00000	5.1
121 2-tert-Butyl-4-methylphenol	149	5.705	5.705	(1.205)	44101	5.00000	5.3
9 2,4,6-Trichlorophenol	196	5.758	5.758	(0.888)	17034	5.00000	4.8(aH)
10 2,4,5-Trichlorophenol	196	5.793	5.793	(0.894)	18221	5.00000	5.2
\$ 77 2-Fluorobiphenyl (SUR)	172	5.835	5.835	(0.900)	68042	5.00000	5.1
102 Diphenyl	154	5.929	5.929	(0.915)	75085	5.00000	5.3
36 2-Chloronaphthalene	162	5.935	5.935	(0.916)	56184	5.00000	5.2
103 Diphenyl Ether	170	6.040	6.040	(0.932)	40113	5.00000	5.1
37 2-Nitroaniline	65	6.052	6.052	(0.934)	34262	10.0000	11
125 1,3-Dimethylnaphthalene	156	6.158	6.158	(0.950)	47573	5.00000	5.0
38 Dimethylphthalate	163	6.252	6.252	(0.965)	54749	5.00000	5.1
114 Coumarin	146	6.246	6.246	(1.319)	17687	5.00000	4.9(a)
40 2,6-Dinitrotoluene	165	6.305	6.305	(0.973)	2236	1.00000	0.89(a)
39 Acenaphthylene	152	6.334	6.334	(0.977)	89365	5.00000	5.2
41 3-Nitroaniline	138	6.464	6.464	(0.997)	26758	10.0000	10(H)
* 82 Acenaphthene-d10	164	6.482	6.482	(1.000)	376796	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	6.540	6.540	(1.009)	47225	5.00000	5.2
42 Acenaphthene	154	6.511	6.511	(1.005)	51993	5.00000	5.1

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19018.d
 Report Date: 25-Jun-2012 14:47

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.570	6.570	(1.014)	10788	15.0000	9.8(a)
12 4-Nitrophenol	65	6.664	6.664	(1.028)	24499	15.0000	14(a)
44 2,4-Dinitrotoluene	165	6.699	6.699	(1.034)	3029	1.00000	0.98(a)
43 Dibenzofuran	168	6.682	6.682	(1.031)	73901	5.00000	5.2
130 2,3,4,6-Tetrachlorophenol	232	6.817	6.817	(1.052)	11492	5.00000	5.1
45 Diethylphthalate	149	6.952	6.952	(1.073)	51114	5.00000	4.9(a)
46 4-Chlorophenyl-phenylether	204	7.034	7.034	(1.085)	27018	5.00000	5.1
47 Fluorene	166	7.017	7.017	(1.083)	57997	5.00000	5.1
48 4-Nitroaniline	138	7.052	7.052	(1.088)	22078	10.0000	10
13 4,6-Dinitro-2-methylphenol	198	7.093	7.093	(0.895)	19744	15.0000	12(a)
49 N-Nitrosodiphenylamine	169	7.152	7.152	(0.903)	37611	5.00000	4.9(a)
75 1,2-Diphenylhydrazine	77	7.187	7.187	(0.907)	54330	5.00000	4.2(a)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.252	7.252	(1.119)	7320	5.00000	5.1
50 4-Bromophenyl-phenylether	248	7.505	7.505	(0.947)	13982	5.00000	4.9(a)
51 Hexachlorobenzene	284	7.552	7.552	(0.953)	1486	0.50000	0.50
112 Atrazine	200	7.693	7.693	(0.971)	12230	5.00000	5.0
14 Pentachlorophenol	266	7.758	7.758	(0.979)	21556	15.0000	13(a)
132 Pentachloronitrobenzene	237	7.764	7.764	(0.980)	6055	5.00000	5.3
115 n-Octadecane	57	7.887	7.887	(0.996)	34334	5.00000	4.9(a)
* 83 Phenanthrene-d10	188	7.923	7.923	(1.000)	497045	40.0000	
52 Phenanthrene	178	7.940	7.940	(1.002)	68158	5.00000	5.0
53 Anthracene	178	7.993	7.993	(1.009)	69770	5.00000	5.1
54 Carbazole	167	8.164	8.164	(1.030)	57166	5.00000	5.2
55 Di-n-butylphthalate	149	8.540	8.540	(1.078)	67177	5.00000	4.7(a)
56 Fluoranthene	202	9.093	9.093	(1.148)	58904	5.00000	5.2
58 Benzidine	184	9.252	9.252	(1.168)	10826	5.00000	6.4
57 Pyrene	202	9.305	9.305	(0.886)	58143	5.00000	4.6(a)
\$ 78 Terphenyl-d14	244	9.487	9.487	(0.904)	38814	5.00000	4.6(a)
59 Butylbenzylphthalate	149	9.987	9.987	(0.951)	20339	5.00000	4.2(a)
124 Carbamazepine	193	10.064	10.064	(0.959)	9437	5.00000	2.9(a)
60 3,3'-Dichlorobenzidine	252	10.487	10.487	(0.999)	23646	10.0000	11
61 Benzo(a)anthracene	228	10.487	10.487	(0.999)	4566	0.50000	0.56
* 81 Chrysene-d12	240	10.499	10.499	(1.000)	268147	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.593	10.593	(1.009)	27307	5.00000	4.3(a)
62 Chrysene	228	10.522	10.522	(1.002)	37872	5.00000	4.8(a)
64 Di-n-octylphthalate	149	11.322	11.322	(0.933)	29086	5.00000	3.6(a)
65 Benzo(b)fluoranthene	252	11.687	11.687	(0.963)	2148	0.50000	0.38(a)
66 Benzo(k)fluoranthene	252	11.716	11.716	(0.965)	3041	0.50000	0.47(a)
67 Benzo(a)pyrene	252	12.069	12.069	(0.994)	1638	0.50000	0.37(a)
* 84 Perylene-d12	264	12.140	12.140	(1.000)	166127	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.452	13.452	(1.108)	1143	0.50000	0.31(aM)
69 Dibenz(a,h)anthracene	278	13.481	13.481	(1.110)	1030	0.50000	0.26(aM)
70 Benzo(g,h,i)perylene	276	13.763	13.763	(1.134)	15037	5.00000	4.3(a)

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19018.d
Report Date: 25-Jun-2012 14:47

QC Flag Legend

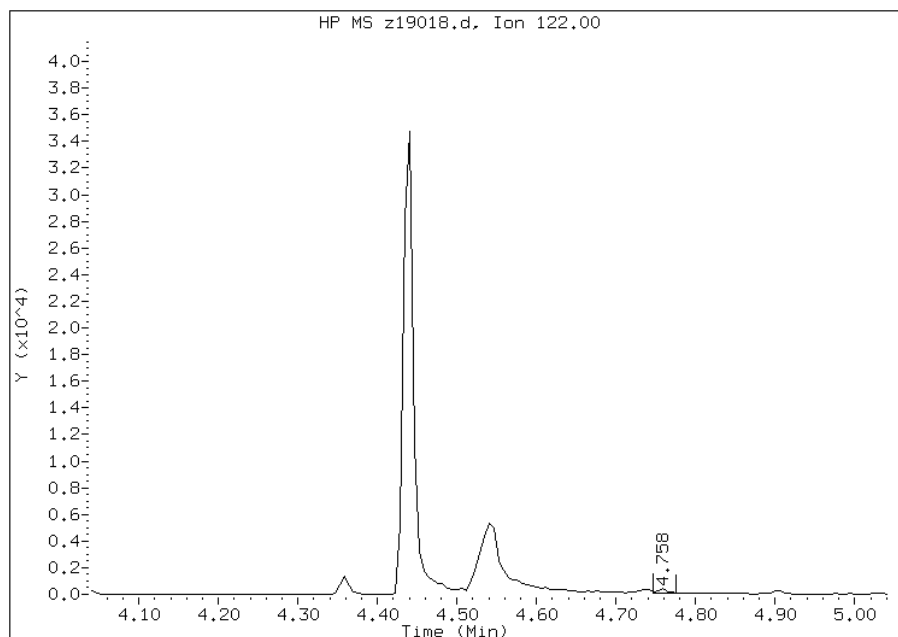
- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Manual Integration Report

Data File: z19018.d
Inj. Date and Time: 25-JUN-2012 01:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/26/2012

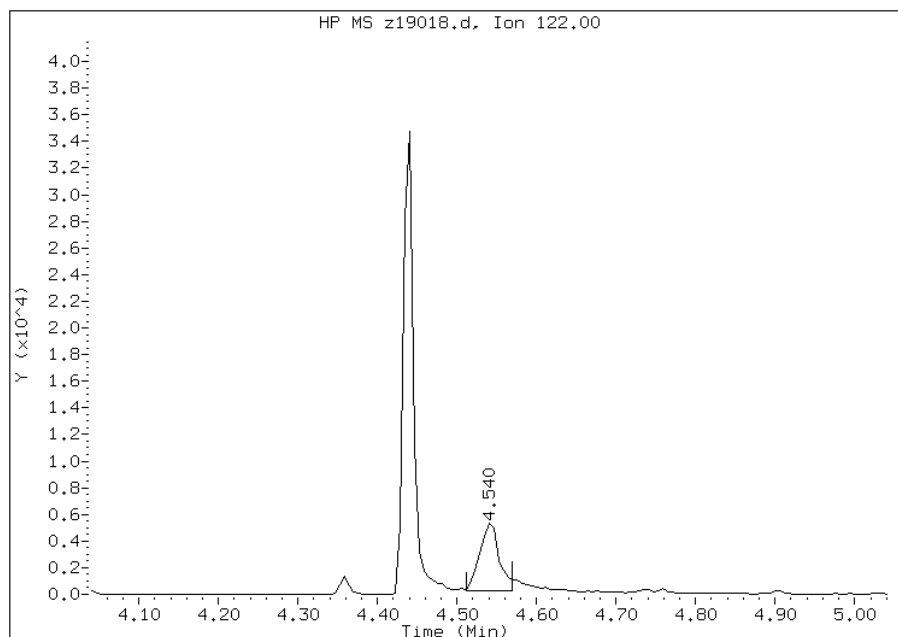
Processing Integration Results

RT: 4.76
Response: 314
Amount: 0
Conc: 0



Manual Integration Results

RT: 4.54
Response: 8519
Amount: 3
Conc: 3



Manually Integrated By: wahied
Manual Integration Reason: Peak Tailing or Fronting

Manual Integration Report

Data File: z19018.d
Inj. Date and Time: 25-JUN-2012 01:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 06/26/2012

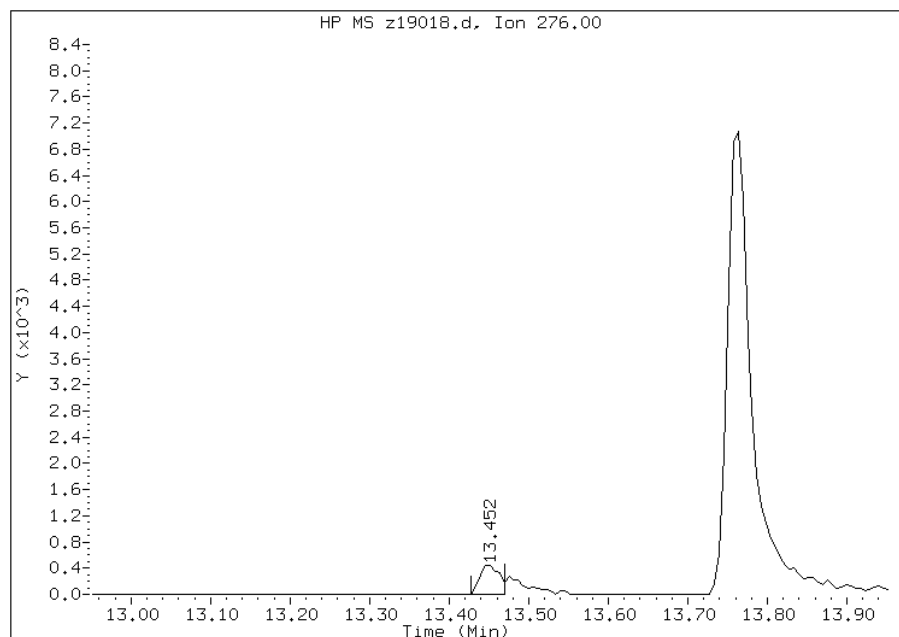
Processing Integration Results

RT: 13.45

Response: 768

Amount: 0

Conc: 0



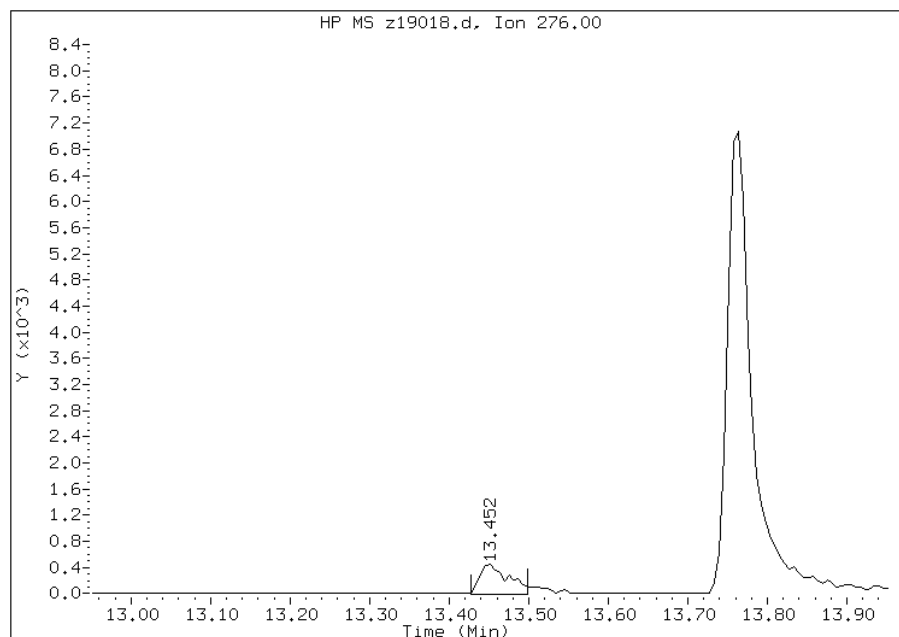
Manual Integration Results

RT: 13.45

Response: 1143

Amount: 0

Conc: 0



Manually Integrated By: wahied

Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z19018.d
Inj. Date and Time: 25-JUN-2012 01:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 69 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 06/26/2012

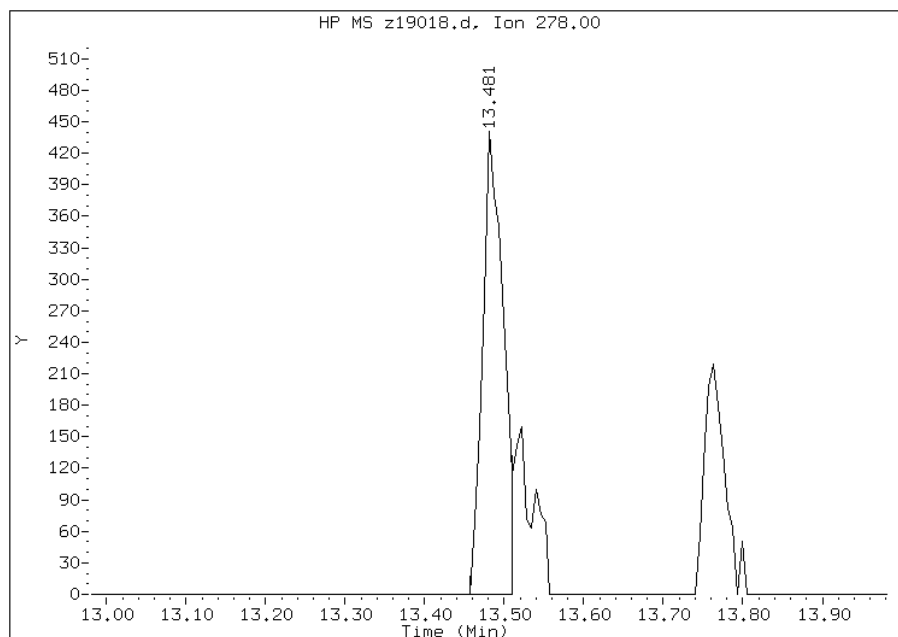
Processing Integration Results

RT: 13.48

Response: 790

Amount: 0

Conc: 0



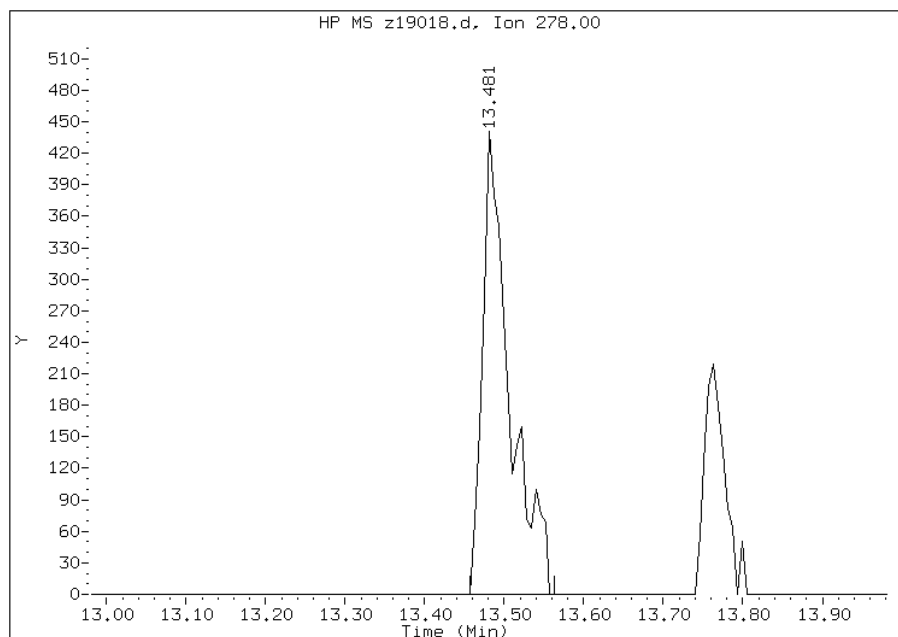
Manual Integration Results

RT: 13.48

Response: 1030

Amount: 0

Conc: 0



Manually Integrated By: wahied

Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116906

SDG No.: _____

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2012 15:47 Calibration End Date: 06/20/2012 17:43 Calibration ID: 16112

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116906/7	u77571.d
Level 2	IC 460-116906/6	u77570.d
Level 3	IC 460-116906/5	u77569.d
Level 4	ICIS 460-116906/2	u77566.d
Level 5	IC 460-116906/4	u77568.d
Level 6	IC 460-116906/3	u77567.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								
1-Naphthylamine	0 0	0	0	0	0	Ave								30.0			
2-Naphthylamine	0 0	0	0	0	0	Ave								15.0			
o-Toluidine	0 0	0	0	0	0	Ave								15.0			
1,4-Dioxane	0.5988 0.5361	0.5273	0.4703	0.5182	0.4906	Ave		0.5236				8.5		15.0			
N-Nitrosodimethylamine	0.9539 1.0612	0.9932	0.8985	1.0435	0.9427	Ave		0.9822				6.4		15.0			
Pyridine	1.6316 1.6396	1.4950	1.3598	1.6202	1.5818	Ave		1.5547				7.0		15.0			
2,3,7,8-TCDD (Screen)	++++ ++++	++++	++++	0.1197	++++	Ave		0.1197						15.0			
Benzaldehyde	1.2691 ++++	0.8437	0.7752	0.5784	0.2265	Ave		0.7386				51.6	*	15.0			
Aniline	2.3741 2.2066	2.3349	2.1994	2.4521	2.3170	Ave		2.3140				4.2		15.0			
Phenol	2.1342 2.2947	2.1759	1.9255	2.2751	2.1029	Ave		2.1514				6.2		30.0			
Bis(2-chloroethyl)ether	1.5937 2.0807	1.5593	1.3818	1.6482	1.5715	Ave		1.6392				14.3		15.0			
2-Chlorophenol	1.2719 1.3387	1.1861	1.1439	1.3142	1.2840	Ave		1.2565				6.0		15.0			
Decane	2.2758 2.2203	2.1229	2.0123	2.1188	1.9814	Ave		2.1219				5.4		15.0			
1,3-Dichlorobenzene	1.4299 1.6491	1.4554	1.3007	1.4459	1.5028	Ave		1.4640				7.7		15.0			
1,4-Dichlorobenzene	1.5029 1.7424	1.3716	1.3032	1.6238	1.5277	Ave		1.5119				10.6		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 EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116906

SDG No.: _____

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2012 15:47 Calibration End Date: 06/20/2012 17:43 Calibration ID: 16112

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								
Benzyl alcohol	0.9384 1.0662	0.9067	0.8988	1.0074	0.9937	Ave		0.9685				6.7		15.0			
1,2-Dichlorobenzene	1.4365 1.6520	1.3320	1.2849	1.4676	1.4551	Ave		1.4380				8.9		15.0			
2-Methylphenol	1.3332 1.3814	1.3354	1.2691	1.4185	1.3774	Ave		1.3525				3.8		15.0			
2,2'-oxybis[1-chloropropane]	3.2415 3.2055	3.0612	2.9033	3.1479	2.9314	Ave		3.0818				4.6		15.0			
Acetophenone	2.5151 2.4160	2.4095	2.0577	2.3151	2.3055	Ave		2.3365				6.7		15.0			
N-Nitrosodi-n-propylamine	1.3163 1.5246	1.5790	1.3877	1.6138	1.4707	Ave		1.4820			0.0500	7.7		15.0			
3 & 4 Methylphenol	1.3895 1.4050	1.4302	1.3340	1.4093	1.4084	Ave		1.3961				2.4		15.0			
4-Methylphenol	1.3895 1.4050	1.4302	1.3216	1.4093	1.4084	Ave		1.3940				2.7		15.0			
Hexachloroethane	0.8338 0.8815	0.8178	0.7236	0.8281	0.7928	Ave		0.8129				6.5		15.0			
Nitrobenzene	0.8701 0.8322	0.8297	0.7602	0.7926	0.7964	Ave		0.8135				4.7		15.0			
n,n'-Dimethylaniline	1.6335 2.1759	1.8094	1.7467	1.9364	1.9403	Ave		1.8737				10.1		15.0			
Isophorone	1.0351 1.1013	1.0486	0.9510	1.0439	1.0475	Ave		1.0379				4.7		15.0			
2-Nitrophenol	0.1835 0.2210	0.2026	0.1964	0.2097	0.2264	Ave		0.2066				7.7		30.0			
2,4-Dimethylphenol	0.2983 0.3342	0.3008	0.2806	0.3152	0.3148	Ave		0.3073				6.0		15.0			
Bis(2-chloroethoxy)methane	0.5195 0.5829	0.5340	0.4568	0.5287	0.5382	Ave		0.5267				7.7		15.0			
Benzoic acid	0.0871 0.2121	0.1492	0.1631	0.1821	0.1892	QuaF		6.0907	-2.163						0.9996		0.9900
2,4-Dichlorophenol	0.3116 0.3692	0.3371	0.3030	0.3440	0.3676	Ave		0.3387				8.1		30.0			
1,2,4-Trichlorobenzene	0.3138 0.4217	0.3707	0.3362	0.3740	0.3992	Ave		0.3693				10.7		15.0			
Naphthalene	0.9205 1.1431	0.9950	0.7901	0.9717	1.0664	Ave		0.9811				12.4		15.0			
4-Chloroaniline	0.3866 0.4438	0.3849	0.3793	0.3946	0.4128	Ave		0.4003				6.1		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116906

SDG No.: _____

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2012 15:47 Calibration End Date: 06/20/2012 17:43 Calibration ID: 16112

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								
Hexachlorobutadiene	0.2445 0.2784	0.2460	0.2211	0.2558	0.2484	Ave		0.2490				7.4		30.0			
Caprolactam	0.1201 0.1153	0.1244	0.1067	0.1060	0.1062	Ave		0.1131				7.1		15.0			
4-Chloro-3-methylphenol	0.4076 0.4085	0.4267	0.3880	0.4220	0.4242	Ave		0.4128				3.5		30.0			
2-Methylnaphthalene	0.5817 0.7548	0.6192	0.5648	0.6489	0.7024	Ave		0.6453				11.3		15.0			
1-Methylnaphthalene	0.6436 0.7876	0.6116	0.5829	0.6807	0.6867	Ave		0.6655				10.8		15.0			
Hexachlorocyclopentadiene	0.2348 0.4316	0.2377	0.2985	0.3865	0.4051	LinF		0.4181							0.9911		0.9900
1,2,4,5-Tetrachlorobenzene	0.6045 0.6383	0.6163	0.6317	0.6904	0.6806	Ave		0.6436				5.4		30.0			
2-tertbutyl-4-methylphenol	0.5036 0.5789	0.4965	0.4700	0.5247	0.5354	Ave		0.5182				7.2		15.0			
2,4,6-Trichlorophenol	0.3746 0.4363	0.3962	0.4316	0.4269	0.4359	Ave		0.4169				6.1		30.0			
2,4,5-Trichlorophenol	0.4075 0.4757	0.4206	0.4127	0.4300	0.4655	Ave		0.4353				6.6		15.0			
Diphenyl	1.2180 1.5668	1.2079	1.2695	1.3999	1.3841	Ave		1.3410				10.2		15.0			
2-Chloronaphthalene	1.0634 1.2577	1.0317	1.0650	1.1553	1.2038	Ave		1.1295				8.0		15.0			
Diphenyl ether	0.7169 0.9047	0.6986	0.7098	0.7496	0.7866	Ave		0.7610				10.2		15.0			
2-Nitroaniline	0.5966 0.5807	0.5724	0.5571	0.5577	0.5711	Ave		0.5726				2.6		15.0			
Dimethylnaphthalene, total	0.7534 0.9236	0.7868	0.7954	0.9316	0.8953	Ave		0.8477				9.2		15.0			
Dimethyl phthalate	1.2240 1.3991	1.2809	1.3022	1.3786	1.3865	Ave		1.3285				5.3		15.0			
Coumarin	0.2468 0.2832	0.2483	0.2351	0.2581	0.2613	Ave		0.2555				6.4		15.0			
2,6-Dinitrotoluene	0.2858 0.3390	0.3087	0.2994	0.3305	0.3267	Ave		0.3150				6.5		15.0			
Acenaphthylene	1.6109 1.8951	1.5198	1.5699	1.6847	1.7672	Ave		1.6746				8.3		15.0			
3-Nitroaniline	0.2871 0.3047	0.2888	0.3003	0.3015	0.3101	Ave		0.2988				3.0		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116906

SDG No.: _____

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2012 15:47 Calibration End Date: 06/20/2012 17:43 Calibration ID: 16112

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								
Acenaphthene	0.8984 1.0973	0.9307	0.9659	1.0923	1.0805	Ave		1.0109				8.9		30.0			
3,5-di-tert-butyl-4-hydroxytol	0.9015 0.9536	0.9151	0.9656	0.9783	0.9792	Ave		0.9489				3.5		15.0			
2,4-Dinitrophenol	0.1248 0.2157	0.1505	0.1819	0.1896	0.2192	QuaF		5.5054	-1.470		0.0500				0.9946		0.9900
4-Nitrophenol	0.3947 0.4076	0.3839	0.3685	0.3897	0.4104	Ave		0.3925			0.0500	4.0		15.0			
Dibenzofuran	1.4658 1.7762	1.4911	1.5368	1.6444	1.6311	Ave		1.5909				7.3		15.0			
2,4-Dinitrotoluene	0.3541 0.4413	0.4074	0.4059	0.4417	0.4413	Ave		0.4153				8.3		15.0			
2,3,4,6-Tetrachlorophenol	0.3016 0.3585	0.3204	0.2955	0.3368	0.3705	Ave		0.3305				9.2		30.0			
Diethyl phthalate	1.3777 1.4734	1.3476	1.3189	1.3983	1.4169	Ave		1.3888				3.9		15.0			
Fluorene	1.1858 1.3144	1.1342	1.1638	1.3305	1.3233	Ave		1.2420				7.3		15.0			
4-Chlorophenyl phenyl ether	0.5967 0.6744	0.6026	0.6060	0.6925	0.6616	Ave		0.6390				6.6		15.0			
4-Nitroaniline	0.2739 0.2600	0.2709	0.2471	0.2581	0.2738	Ave		0.2640				4.1		15.0			
4,6-Dinitro-2-methylphenol	0.1374 0.1702	0.1450	0.1576	0.1605	0.1745	Ave		0.1575				9.1		15.0			
N-Nitrosodiphenylamine	0.5285 0.5734	0.4976	0.5134	0.5166	0.5455	Ave		0.5292				5.1		30.0			
1,2-Diphenylhydrazine	1.1816 1.6028	1.4883	1.4525	1.4236	1.3623	Ave		1.4185				9.9		15.0			
4-Bromophenyl phenyl ether	0.2207 0.2585	0.2181	0.2176	0.2312	0.2313	Ave		0.2296				6.7		15.0			
Hexachlorobenzene	0.2693 0.3211	0.2784	0.2700	0.2881	0.2942	Ave		0.2869				6.8		15.0			
Atrazine	0.2254 0.2288	0.2201	0.2011	0.2145	0.2067	Ave		0.2161				5.0		15.0			
Pentachlorophenol	0.1339 0.2101	0.1423	0.1682	0.1832	0.1933	QuaF		6.0950	-2.156						0.9985		0.9900
Pentachloronitrobenzene	0.1371 0.1435	0.1285	0.1261	0.1372	0.1411	Ave		0.1356				5.1					
n-Octadecane	0.7547 0.7350	0.7349	0.7464	0.7523	0.7401	Ave		0.7439				1.2		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116906

SDG No.: _____

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2012 15:47 Calibration End Date: 06/20/2012 17:43 Calibration ID: 16112

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								
Phenanthrene	1.0593 1.2302	1.0741	1.0806	1.1234	1.1345	Ave		1.1170				5.6		15.0			
Anthracene	1.0948 1.1991	1.0944	1.1278	1.1080	1.1263	Ave		1.1251				3.5		15.0			
Carbazole	0.9587 1.0623	0.9504	0.9141	0.8965	0.9727	Ave		0.9591				6.1		15.0			
Di-n-butyl phthalate	1.4307 1.5306	1.3638	1.3584	1.3752	1.5355	Ave		1.4324				5.7		15.0			
Fluoranthene	1.1449 1.2407	1.1404	1.1173	1.0749	1.1369	Ave		1.1425				4.8		30.0			
Benzidine	0.2696 ++++	0.3715	0.2735	0.1502	0.0907	Ave		0.2311				48.0	*	15.0			
Pyrene	1.4481 1.6105	1.3781	1.4597	1.4953	1.5002	Ave		1.4820				5.2		15.0			
Butyl benzyl phthalate	0.7782 0.7918	0.7487	0.6948	0.7261	0.7279	Ave		0.7446				4.8		15.0			
Carbamazepine	0.3949 0.5255	0.4138	0.4558	0.4428	0.4828	Ave		0.4526				10.4		15.0			
3,3'-Dichlorobenzidine	0.4001 0.3004	0.3729	0.3593	0.3173	0.3158	Ave		0.3443				11.3		15.0			
Benzo[a]anthracene	1.4161 1.2362	1.1334	1.0506	1.0543	1.1353	Ave		1.1710				11.8		15.0			
Chrysene	1.0180 1.1345	1.0038	0.9426	1.0033	1.0119	Ave		1.0190				6.2		15.0			
Bis(2-ethylhexyl) phthalate	0.9668 1.0886	0.8954	0.9234	0.8929	0.9663	Ave		0.9556				7.6		15.0			
Di-n-octyl phthalate	2.0924 2.3789	2.0278	2.0240	2.3127	2.2508	Ave		2.1811				7.0		30.0			
Benzo[b]fluoranthene	1.0137 1.5687	1.2793	1.1944	1.4698	1.3784	LinF		1.5054							0.9914		0.9900
Benzo[k]fluoranthene	1.2757 1.3501	1.5051	1.3251	1.3805	1.3752	Ave		1.3686				5.6		15.0			
Benzo[a]pyrene	0.8388 1.1642	1.0746	0.9894	1.1019	1.1181	Ave		1.0478				11.2		30.0			
Indeno[1,2,3-cd]pyrene	0.7365 1.1624	0.9036	0.8462	1.0353	1.0420	LinF		1.1146							0.9913		0.9900
Dibenz(a,h)anthracene	0.6501 1.1738	0.8565	0.8604	0.9499	1.0787	QuaF		1.1139	-0.076						0.9993		0.9900
Benzo[g,h,i]perylene	0.8741 1.2136	0.8739	0.8813	0.9724	1.0627	Ave		0.9797				14.0		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116906

SDG No.: _____

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2012 15:47 Calibration End Date: 06/20/2012 17:43 Calibration ID: 16112

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								
2-Fluorophenol	1.3379 1.4748	1.2804	1.2059	1.4442	1.3696	Ave		1.3521				7.4		15.0			
Phenol-d5	1.9726 2.1633	1.8981	1.8425	2.1032	1.9980	Ave		1.9963				6.1		15.0			
Nitrobenzene-d5	0.6138 0.6535	0.6273	0.5690	0.6085	0.6298	Ave		0.6170				4.6		15.0			
2-Fluorobiphenyl	1.2050 1.4381	1.1691	1.1955	1.3139	1.2903	Ave		1.2687				7.9		15.0			
2,4,6-Tribromophenol	0.2308 0.2640	0.2252	0.2369	0.2645	0.2669	Ave		0.2481				7.7		15.0			
Terphenyl-d14	0.9448 1.1067	0.9426	0.9807	1.0135	1.0278	Ave		1.0027				6.1		15.0			

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.: 460-41546-1 Analy Batch No.: 116906

SDG No.: _____

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2012 15:47 Calibration End Date: 06/20/2012 17:43 Calibration ID: 16112

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116906/7	u77571.d
Level 2	IC 460-116906/6	u77570.d
Level 3	IC 460-116906/5	u77569.d
Level 4	ICIS 460-116906/2	u77566.d
Level 5	IC 460-116906/4	u77568.d
Level 6	IC 460-116906/3	u77567.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
2-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
o-Toluidine	DCB	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
1,4-Dioxane	DCB	Ave	12783 223517	23127	46713	112900	147756	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	20362 442428	43562	89252	227332	283902	5.00 120	10.0	20.0	50.0	80.0
Pyridine	DCB	Ave	34831 683563	65573	135068	352969	476365	5.00 120	10.0	20.0	50.0	80.0
2,3,7,8-TCDD (Screen)	CRY	Ave	++++ ++++	++++	++++	643	++++	++++ ++++	++++	++++	0.500	++++
Benzaldehyde	DCB	Ave	27092 ++++	37004	77007	126007	68223	5.00 ++++	10.0	20.0	50.0	80.0
Aniline	DCB	Ave	50680 919911	102412	218466	534209	697785	5.00 120	10.0	20.0	50.0	80.0
Phenol	DCB	Ave	45560 956669	95437	191261	495633	633316	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	3402 867454	68392	137253	359068	473276	0.500 120	10.0	20.0	50.0	80.0
2-Chlorophenol	DCB	Ave	27152 558107	52022	113624	286307	386672	5.00 120	10.0	20.0	50.0	80.0
Decane	DCB	Ave	48582 925618	93112	199887	461579	596711	5.00 120	10.0	20.0	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	30524 687509	63836	129198	314995	452586	5.00 120	10.0	20.0	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	32082 726423	60159	129452	353756	460072	5.00 120	10.0	20.0	50.0	80.0
Benzyl alcohol	DCB	Ave	20033 444480	39770	89278	219473	299246	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116906

SDG No.: _____

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2012 15:47 Calibration End Date: 06/20/2012 17:43 Calibration ID: 16112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichlorobenzene	DCB	Ave	30666 688731	58422	127636	319729	438212	5.00 120	10.0	20.0	50.0	80.0
2-Methylphenol	DCB	Ave	28461 575899	58570	126067	309035	414825	5.00 120	10.0	20.0	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	69197 1336359	134266	288394	685782	882799	5.00 120	10.0	20.0	50.0	80.0
Acetophenone	DCB	Ave	53691 1007221	105681	204392	504353	694325	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	2810 635594	69257	137839	351580	442903	0.500 120	10.0	20.0	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	29662 585755	62728	132507	307015	424138	5.00 120	10.0	20.0	50.0	80.0
4-Methylphenol	DCB	Ave	29662 585755	62728	131275	307015	424138	5.00 120	10.0	20.0	50.0	80.0
Hexachloroethane	DCB	Ave	1780 367510	35870	71872	180410	238747	0.500 120	10.0	20.0	50.0	80.0
Nitrobenzene	NPT	Ave	7002 1179125	127731	272820	614697	799814	0.500 120	10.0	20.0	50.0	80.0
n,n'-Dimethylaniline	DCB	Ave	3487 907116	79363	173508	421861	584341	0.500 120	10.0	20.0	50.0	80.0
Isophorone	NPT	Ave	83305 1560519	161447	341297	809522	1051981	5.00 120	10.0	20.0	50.0	80.0
2-Nitrophenol	NPT	Ave	14769 313160	31191	70503	162596	227421	5.00 120	10.0	20.0	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	24010 473536	46304	100710	244466	316181	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	41805 825886	82213	163940	410032	540506	5.00 120	10.0	20.0	50.0	80.0
Benzoic acid	NPT	QuaF	7011 300470	22966	58545	141256	189995	5.00 120	10.0	20.0	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	25076 523143	51898	108756	266784	369147	5.00 120	10.0	20.0	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	2525 597537	57066	120660	290061	400934	0.500 120	10.0	20.0	50.0	80.0
Naphthalene	NPT	Ave	74082 1619787	153182	283548	753558	1071012	5.00 120	10.0	20.0	50.0	80.0
4-Chloroaniline	NPT	Ave	31109 628812	59253	136143	305996	414607	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobutadiene	NPT	Ave	3936 394470	37879	79348	198376	249459	1.00 120	10.0	20.0	50.0	80.0
Caprolactam	NPT	Ave	9663 163342	19156	38292	82194	106703	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116906

SDG No.: _____

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2012 15:47 Calibration End Date: 06/20/2012 17:43 Calibration ID: 16112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	32800 578791	65696	139263	327252	426052	5.00 120	10.0	20.0	50.0	80.0
2-Methylnaphthalene	NPT	Ave	46815 1069567	95330	202712	503205	705418	5.00 120	10.0	20.0	50.0	80.0
1-Methylnaphthalene	NPT	Ave	51793 1116050	94166	209196	527857	689629	5.00 120	10.0	20.0	50.0	80.0
Hexachlorocyclopentadiene	ANT	LinF	12240 393371	24494	62742	183560	255125	5.00 120	10.0	20.0	50.0	80.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	31511 581665	63497	132764	327863	428671	5.00 120	10.0	20.0	50.0	80.0
2-tertbutyl-4-methylphenol	NPT	Ave	40525 820252	76446	168670	406888	537705	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	19525 397608	40817	90714	202704	274563	5.00 120	10.0	20.0	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	21240 433531	43336	86729	204215	293169	5.00 120	10.0	20.0	50.0	80.0
Diphenyl	ANT	Ave	63491 1427895	124447	266793	664767	871767	5.00 120	10.0	20.0	50.0	80.0
2-Chloronaphthalene	ANT	Ave	55432 1146147	106294	223817	548649	758193	5.00 120	10.0	20.0	50.0	80.0
Diphenyl ether	ANT	Ave	37371 824434	71979	149173	355973	495432	5.00 120	10.0	20.0	50.0	80.0
2-Nitroaniline	ANT	Ave	62203 529240	58971	117092	264861	359711	10.0 120	10.0	20.0	50.0	80.0
Dimethylnaphthalene, total	ANT	Ave	39272 841674	81063	167173	442380	563884	5.00 120	10.0	20.0	50.0	80.0
Dimethyl phthalate	ANT	Ave	63807 1274995	131972	273669	654655	873270	5.00 120	10.0	20.0	50.0	80.0
Coumarin	NPT	Ave	19865 401214	38221	84386	200172	262454	5.00 120	10.0	20.0	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	2980 308920	31807	62922	156961	205757	1.00 120	10.0	20.0	50.0	80.0
Acenaphthylene	ANT	Ave	83972 1727088	156586	329941	800005	1113042	5.00 120	10.0	20.0	50.0	80.0
3-Nitroaniline	ANT	Ave	29931 277689	29758	63113	143181	195298	10.0 120	10.0	20.0	50.0	80.0
Acenaphthene	ANT	Ave	46830 999959	95896	203001	518718	680552	5.00 120	10.0	20.0	50.0	80.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	46995 869005	94282	202937	464558	616749	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrophenol	ANT	QuaF	19521 196566	31020	57351	90019	138065	15.0 120	20.0	30.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116906

SDG No.: _____

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2012 15:47 Calibration End Date: 06/20/2012 17:43 Calibration ID: 16112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Nitrophenol	ANT	Ave	61719 371495	79099	116183	185060	258517	15.0 120	20.0	30.0	50.0	80.0
Dibenzofuran	ANT	Ave	76408 1618729	153633	322973	780883	1027364	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrotoluene	ANT	Ave	3692 402185	41977	85307	209772	277980	1.00 120	10.0	20.0	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	15721 326700	33007	62110	159934	233350	5.00 120	10.0	20.0	50.0	80.0
Diethyl phthalate	ANT	Ave	71819 1342774	138847	277179	664041	892442	5.00 120	10.0	20.0	50.0	80.0
Fluorene	ANT	Ave	61814 1197881	116854	244580	631802	833465	5.00 120	10.0	20.0	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	31106 614621	62083	127349	328853	416725	5.00 120	10.0	20.0	50.0	80.0
4-Nitroaniline	ANT	Ave	28552 236977	27911	51934	122573	172482	10.0 120	10.0	20.0	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	34734 234735	47057	78360	118278	177764	15.0 120	20.0	30.0	50.0	80.0
N-Nitrosodiphenylamine	PHN	Ave	44524 790817	80752	170218	380753	555572	5.00 120	10.0	20.0	50.0	80.0
1,2-Diphenylhydrazine	PHN	Ave	99545 2210487	241516	481598	1049285	1387563	5.00 120	10.0	20.0	50.0	80.0
4-Bromophenyl phenyl ether	PHN	Ave	18593 356452	35393	72143	170431	235538	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobenzene	PHN	Ave	2269 442869	45178	89514	212339	299700	0.500 120	10.0	20.0	50.0	80.0
Atrazine	PHN	Ave	18986 315504	35715	66672	158097	210575	5.00 120	10.0	20.0	50.0	80.0
Pentachlorophenol	PHN	QuaF	33841 289705	46187	83674	135031	196862	15.0 120	20.0	30.0	50.0	80.0
Pentachloronitrobenzene	PHN	Ave	11546 197844	20860	41827	101099	143731	5.00 120	10.0	20.0	50.0	80.0
n-Octadecane	PHN	Ave	63578 1013670	119254	247485	554496	753812	5.00 120	10.0	20.0	50.0	80.0
Phenanthrene	PHN	Ave	89240 1696672	174304	358285	827990	1155481	5.00 120	10.0	20.0	50.0	80.0
Anthracene	PHN	Ave	92235 1653650	177599	373939	816673	1147203	5.00 120	10.0	20.0	50.0	80.0
Carbazole	PHN	Ave	80763 1465106	154239	303085	660753	990724	5.00 120	10.0	20.0	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	120532 2110865	221318	450393	1013632	1563985	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116906

SDG No.: _____

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2012 15:47 Calibration End Date: 06/20/2012 17:43 Calibration ID: 16112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Fluoranthene	PHN	Ave	96451 1711079	185069	370450	792280	1157937	5.00 120	10.0	20.0	50.0	80.0
Benzidine	PHN	Ave	22709 ++++	120581	136027	110735	92348	5.00 ++++	20.0	30.0	50.0	80.0
Pyrene	CRY	Ave	94880 1678321	182472	358513	803008	1145330	5.00 120	10.0	20.0	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	50985 825178	99129	170646	389911	555724	5.00 120	10.0	20.0	50.0	80.0
Carbamazepine	CRY	Ave	25871 547678	54797	111957	237791	368626	5.00 120	10.0	20.0	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	52428 313031	98762	132360	170403	241091	10.0 120	20.0	30.0	50.0	80.0
Benzo[a]anthracene	CRY	Ave	9278 1288246	150071	258031	566196	866751	0.500 120	10.0	20.0	50.0	80.0
Chrysene	CRY	Ave	66698 1182272	132910	231506	538816	772539	5.00 120	10.0	20.0	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	63345 1134502	118558	226778	479506	737682	5.00 120	10.0	20.0	50.0	80.0
Di-n-octyl phthalate	PRY	Ave	92249 1671027	172669	331220	750417	1051236	5.00 120	10.0	20.0	50.0	80.0
Benzo[b]fluoranthene	PRY	LinF	4469 1101891	108931	195458	476905	643765	0.500 120	10.0	20.0	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	5624 948334	128163	216848	447930	642293	0.500 120	10.0	20.0	50.0	80.0
Benzo[a]pyrene	PRY	Ave	3698 817734	91502	161913	357553	522179	0.500 120	10.0	20.0	50.0	80.0
Indeno[1,2,3-cd]pyrene	PRY	LinF	3247 816493	76946	138485	335913	486650	0.500 120	10.0	20.0	50.0	80.0
Dibenz(a,h)anthracene	PRY	QuaF	2866 824516	72932	140795	308214	503815	0.500 120	10.0	20.0	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	38538 852478	74416	144224	315532	496332	5.00 120	10.0	20.0	50.0	80.0
2-Fluorophenol	DCB	Ave	28561 614836	56161	119787	314620	412458	5.00 120	10.0	20.0	50.0	80.0
Phenol-d5	DCB	Ave	42110 901859	83254	183023	458188	601724	5.00 120	10.0	20.0	50.0	80.0
Nitrobenzene-d5	NPT	Ave	49397 926013	96577	204194	471933	632548	5.00 120	10.0	20.0	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	62813 1310595	120455	251251	623947	812712	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Tribromophenol	ANT	Ave	12033 240591	23205	49796	125609	168088	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116906

SDG No.: _____

Instrument ID: BNAMS4 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/20/2012 15:47 Calibration End Date: 06/20/2012 17:43 Calibration ID: 16112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Terphenyl-d14	CRY	Ave	61904 1153295	124804	240854	544297	784669	5.00 120	10.0	20.0	50.0	80.0

Curve Type Legend:

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

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77566.d
 Report Date: 21-Jun-2012 05:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77566.d
 Lab Smp Id: ICIS-1519304
 Inj Date : 20-JUN-2012 15:47
 Operator : BNAMS 4
 Smp Info : ICIS-1519304
 Misc Info : 50 ppm bna 4658
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/8270C_11.m
 Meth Date : 21-Jun-2012 05:27 wahied
 Cal Date : 20-JUN-2012 15:47
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS4.i
 Quant Type: ISTD
 Cal File: u77566.d
 Calibration Sample, Level: 3
 Compound Sublist: all.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				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.227	1.227	(0.322)	112900	50.0000	49
19 N-Nitrosodimethylamine	74	1.439	1.439	(0.378)	227332	50.0000	53
71 Pyridine	79	1.461	1.461	(0.384)	352969	50.0000	52
\$ 16 2-Fluorophenol (SUR)	112	2.533	2.533	(0.665)	314620	50.0000	53
110 Benzaldehyde	77	3.358	3.358	(0.882)	126007	50.0000	39
73 Aniline	93	3.483	3.483	(0.914)	534209	50.0000	53
\$ 17 Phenol-d5 (SUR)	99	3.483	3.483	(0.914)	458188	50.0000	53
1 Phenol	94	3.498	3.498	(0.918)	495633	50.0000	53
20 bis(2-Chloroethyl)ether	93	3.558	3.558	(0.934)	359068	50.0000	50
2 2-Chlorophenol	128	3.609	3.609	(0.947)	286307	50.0000	52
113 n-decane	43	3.668	3.668	(0.963)	461579	50.0000	50
21 1,3-Dichlorobenzene	146	3.757	3.757	(0.986)	314995	50.0000	49
* 79 1,4-Dichlorobenzene-d4	152	3.809	3.809	(1.000)	174283	40.0000	

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77566.d
 Report Date: 21-Jun-2012 05:27

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.831	3.831	(1.006)	353756	50.0000	54
74 Benzyl Alcohol	108	3.977	3.977	(1.044)	219473	50.0000	52
23 1,2-Dichlorobenzene	146	3.985	3.985	(1.046)	319729	50.0000	51
24 bis (2-chloroisopropyl) ether	45	4.110	4.110	(1.079)	685782	50.0000	51
3 2-Methylphenol	108	4.110	4.110	(1.079)	309035	50.0000	52
104 Acetophenone	105	4.243	4.243	(1.114)	504353	50.0000	50
25 N-Nitroso-di-n-propylamine	70	4.257	4.257	(1.118)	351580	50.0000	54(M)
4 4-Methylphenol	108	4.272	4.272	(1.121)	307015	50.0000	50
123 3 & 4 Methylphenol	108	4.272	4.272	(1.121)	307015	50.0000	50
26 Hexachloroethane	117	4.323	4.323	(1.135)	180410	50.0000	51
\$ 76 Nitrobenzene-d5 (SUR)	82	4.396	4.396	(0.860)	471933	50.0000	49
27 Nitrobenzene	77	4.419	4.419	(0.864)	614697	50.0000	49
107 N,N-Dimethylaniline	120	4.419	4.419	(1.160)	421861	50.0000	52
28 Isophorone	82	4.669	4.669	(0.913)	809522	50.0000	50
5 2-Nitrophenol	139	4.735	4.735	(0.926)	162596	50.0000	51
6 2,4-Dimethylphenol	122	4.809	4.809	(0.940)	244466	50.0000	51
29 bis(2-Chloroethoxy)methane	93	4.898	4.898	(0.958)	410032	50.0000	50
7 2,4-Dichlorophenol	162	4.995	4.995	(0.977)	266784	50.0000	51
15 Benzoic Acid	122	5.003	5.003	(0.978)	141256	50.0000	51
30 1,2,4-Trichlorobenzene	180	5.070	5.070	(0.991)	290061	50.0000	51
* 80 Naphthalene-d8	136	5.115	5.115	(1.000)	620409	40.0000	
31 Naphthalene	128	5.137	5.137	(1.004)	753558	50.0000	50
32 4-Chloroaniline	127	5.210	5.210	(1.019)	305996	50.0000	49
33 Hexachlorobutadiene	225	5.276	5.276	(1.032)	198376	50.0000	51
111 Caprolactam	113	5.627	5.627	(1.100)	82194	50.0000	47
8 4-Chloro-3-methylphenol	107	5.745	5.745	(1.123)	327252	50.0000	51
34 2-Methylnaphthalene	142	5.841	5.841	(1.142)	503205	50.0000	50
120 1-Methylnaphthalene	142	5.938	5.938	(1.161)	527857	50.0000	51
35 Hexachlorocyclopentadiene	237	6.005	6.005	(0.873)	183560	50.0000	46
129 1,2,4,5-Tetrachlorobenzene	216	6.020	6.020	(0.875)	327863	50.0000	54
121 2-tert-Butyl-4-methylphenol	149	6.080	6.080	(1.189)	406888	50.0000	51
9 2,4,6-Trichlorophenol	196	6.147	6.147	(0.894)	202704	50.0000	51
10 2,4,5-Trichlorophenol	196	6.191	6.191	(0.900)	204215	50.0000	49
\$ 77 2-Fluorobiphenyl (SUR)	172	6.220	6.220	(0.904)	623947	50.0000	52
102 Diphenyl	154	6.317	6.317	(0.918)	664767	50.0000	52
36 2-Chloronaphthalene	162	6.332	6.332	(0.920)	548649	50.0000	51
103 Diphenyl Ether	170	6.420	6.420	(0.933)	355973	50.0000	49
37 2-Nitroaniline	65	6.450	6.450	(0.938)	264861	50.0000	49
125 1,3-Dimethylnaphthalene	156	6.554	6.554	(0.953)	442380	50.0000	55
38 Dimethylphthalate	163	6.643	6.643	(0.966)	654655	50.0000	52
114 Coumarin	146	6.651	6.651	(1.300)	200172	50.0000	50
40 2,6-Dinitrotoluene	165	6.702	6.702	(0.974)	156961	50.0000	52
39 Acenaphthylene	152	6.739	6.739	(0.980)	800005	50.0000	50
41 3-Nitroaniline	138	6.864	6.864	(0.998)	143181	50.0000	50
* 82 Acenaphthene-d10	164	6.879	6.879	(1.000)	379902	40.0000	
42 Acenaphthene	154	6.917	6.917	(1.005)	518718	50.0000	54
122 2,6-Di-tert-butyl-p-cresol	205	6.924	6.924	(1.007)	464558	50.0000	52

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77566.d
Report Date: 21-Jun-2012 05:27

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.969	6.969	(1.013)	90019	50.0000	49
12 4-Nitrophenol	65	7.066	7.066	(1.027)	185060	50.0000	50
43 Dibenzofuran	168	7.088	7.088	(1.030)	780883	50.0000	52
44 2,4-Dinitrotoluene	165	7.096	7.096	(1.031)	209772	50.0000	53
130 2,3,4,6-Tetrachlorophenol	232	7.220	7.220	(1.050)	159934	50.0000	51
45 Diethylphthalate	149	7.337	7.337	(1.067)	664041	50.0000	50
47 Fluorene	166	7.424	7.424	(1.079)	631802	50.0000	54
46 4-Chlorophenyl-phenylether	204	7.431	7.431	(1.080)	328853	50.0000	54
48 4-Nitroaniline	138	7.475	7.475	(1.087)	122573	50.0000	49
13 4,6-Dinitro-2-methylphenol	198	7.505	7.505	(0.899)	118278	50.0000	51
49 N-Nitrosodiphenylamine	169	7.556	7.556	(0.905)	380753	50.0000	49
75 1,2-Diphenylhydrazine	77	7.586	7.586	(0.909)	1049285	50.0000	50
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.666	7.666	(1.114)	125609	50.0000	53
50 4-Bromophenyl-phenylether	248	7.909	7.909	(0.948)	170431	50.0000	50
51 Hexachlorobenzene	284	7.968	7.968	(0.955)	212339	50.0000	50
112 Atrazine	200	8.101	8.101	(0.971)	158097	50.0000	50
14 Pentachlorophenol	266	8.175	8.175	(0.980)	135031	50.0000	51
132 Pentachloronitrobenzene	237	8.189	8.189	(0.981)	101099	50.0000	50
115 n-Octadecane	57	8.271	8.271	(0.991)	554496	50.0000	50
* 83 Phenanthrene-d10	188	8.345	8.345	(1.000)	589649	40.0000	
52 Phenanthrene	178	8.367	8.367	(1.003)	827990	50.0000	50
53 Anthracene	178	8.419	8.419	(1.009)	816673	50.0000	49
54 Carbazole	167	8.581	8.581	(1.028)	660753	50.0000	47
55 Di-n-butylphthalate	149	8.935	8.935	(1.071)	1013632	50.0000	48
56 Fluoranthene	202	9.530	9.530	(1.142)	792280	50.0000	47
58 Benzidine	184	9.668	9.668	(1.159)	110735	50.0000	32
57 Pyrene	202	9.750	9.750	(0.886)	803008	50.0000	50
\$ 78 Terphenyl-d14	244	9.911	9.911	(0.901)	544297	50.0000	50
109 2,3,7,8-TCDD (Screen)	320	10.494	10.494	(0.954)	643	0.50000	0.50
59 Butylbenzylphthalate	149	10.406	10.406	(0.946)	389911	50.0000	49
124 Carbamazepine	193	10.516	10.516	(0.956)	237791	50.0000	49
60 3,3'-Dichlorobenzidine	252	10.973	10.973	(0.997)	170403	50.0000	46
61 Benzo(a)anthracene	228	10.988	10.988	(0.999)	566196	50.0000	45
* 81 Chrysene-d12	240	11.002	11.002	(1.000)	429622	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.054	11.054	(1.005)	479506	50.0000	47
62 Chrysene	228	11.032	11.032	(1.003)	538816	50.0000	49
64 Di-n-octylphthalate	149	11.840	11.840	(0.926)	750417	50.0000	53
65 Benzo(b)fluoranthene	252	12.295	12.295	(0.962)	476905	50.0000	49
66 Benzo(k)fluoranthene	252	12.333	12.333	(0.965)	447930	50.0000	50
67 Benzo(a)pyrene	252	12.718	12.718	(0.995)	357553	50.0000	52
* 84 Perylene-d12	264	12.784	12.784	(1.000)	259580	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.186	14.186	(1.110)	335913	50.0000	46(M)
69 Dibenz(a,h)anthracene	278	14.215	14.215	(1.112)	308214	50.0000	49
70 Benzo(g,h,i)perylene	276	14.540	14.540	(1.137)	315532	50.0000	50

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77566.d
Report Date: 21-Jun-2012 05:27

QC Flag Legend

M - Compound response manually integrated.

Data File: u77566.d

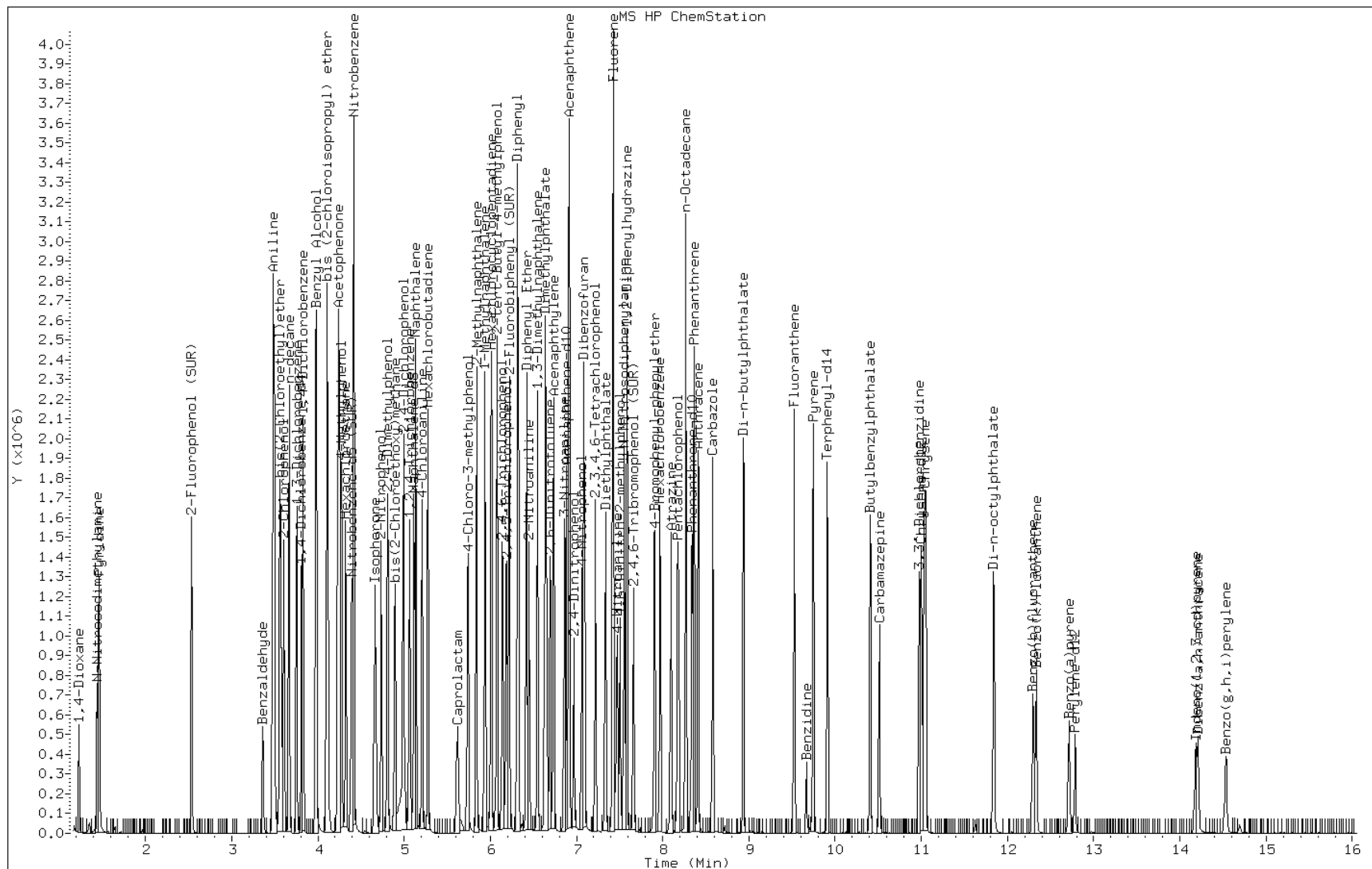
Date: 20-JUN-2012 15:47

Client ID:

Instrument: BNAMS4.i

Sample Info: ICIS-1519304

Operator: BNAMS 4

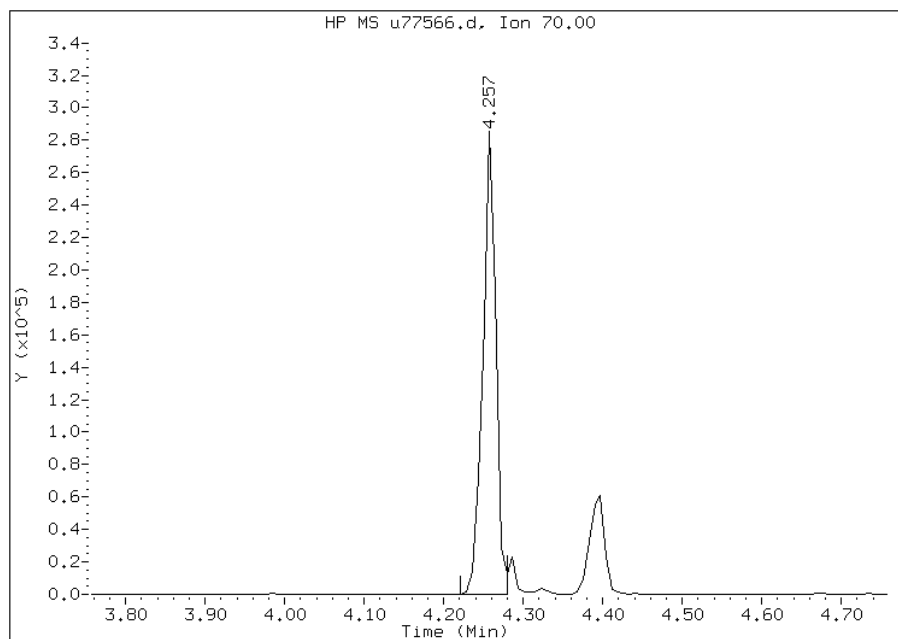


Manual Integration Report

Data File: u77566.d
Inj. Date and Time: 20-JUN-2012 15:47
Instrument ID: BNAMS4.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 06/21/2012

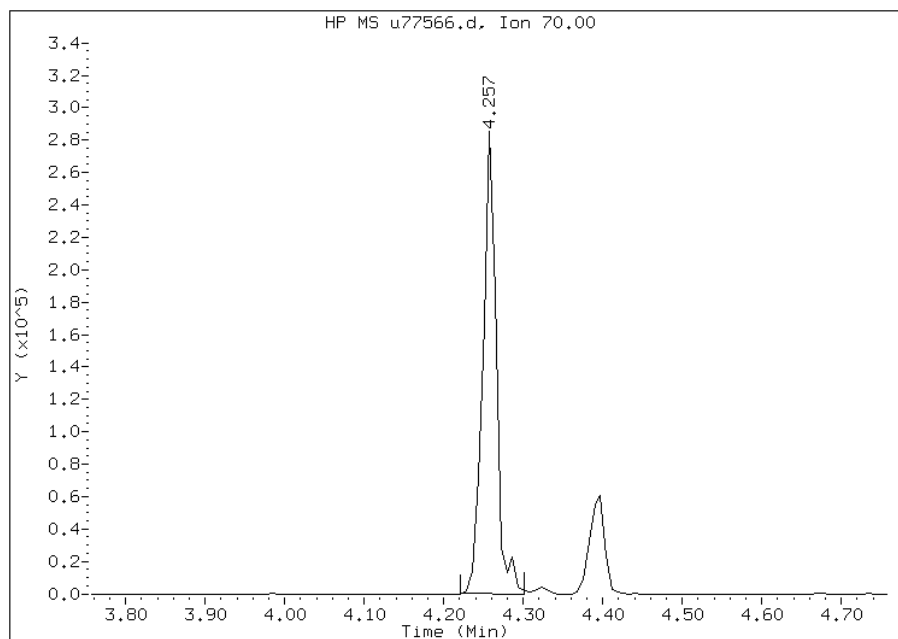
Processing Integration Results

RT: 4.26
Response: 337328
Amount: 50
Conc: 50



Manual Integration Results

RT: 4.26
Response: 351580
Amount: 54
Conc: 54



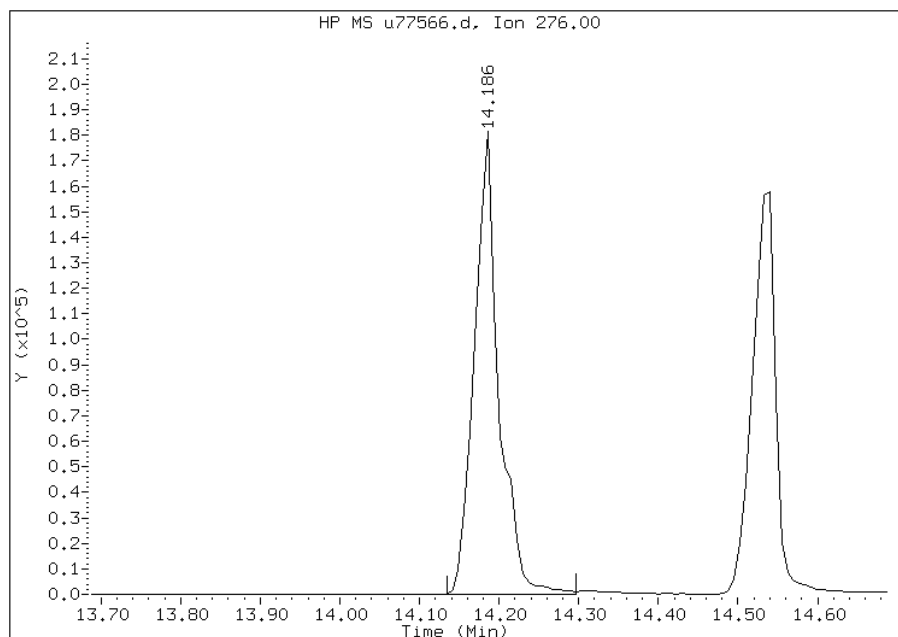
Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u77566.d
Inj. Date and Time: 20-JUN-2012 15:47
Instrument ID: BNAMS4.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 06/21/2012

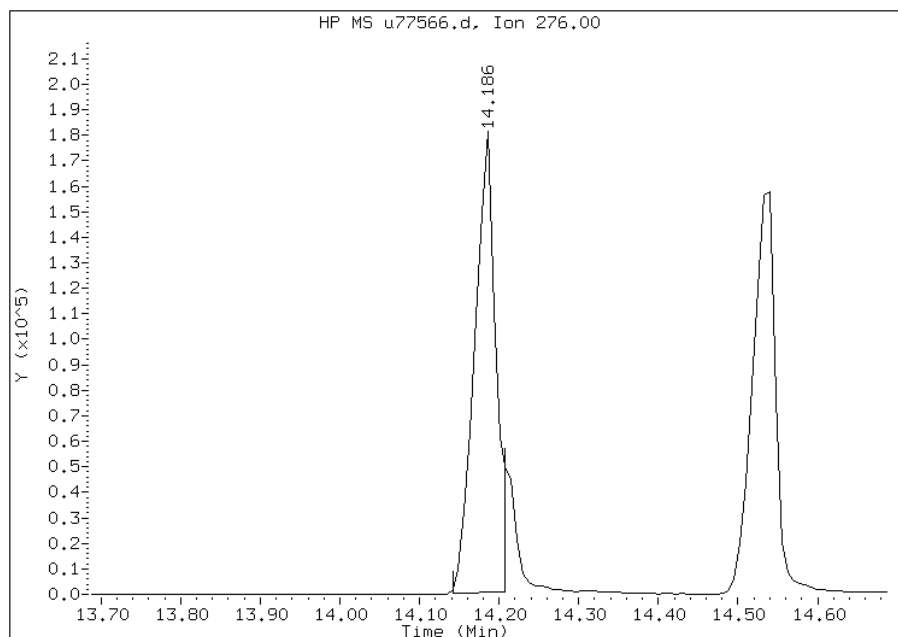
Processing Integration Results

RT: 14.19
Response: 385678
Amount: 50
Conc: 50



Manual Integration Results

RT: 14.19
Response: 335913
Amount: 46
Conc: 46



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77567.d
Report Date: 21-Jun-2012 01:37

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77567.d
Lab Smp Id: IC-1519307
Inj Date : 20-JUN-2012 16:22
Operator : BNAMS 4
Smp Info : IC-1519307
Misc Info : 120
Comment :
Method : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/8270C_11.m
Meth Date : 21-Jun-2012 01:37 asfawa
Cal Date : 20-JUN-2012 16:22
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: hpd1
Inst ID: BNAMS4.i
Quant Type: ISTD
Cal File: u77567.d
Calibration Sample, Level: 5
Compound Sublist: all.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				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.277	1.277	(0.334)	223517	120.000	120(A)
19 N-Nitrosodimethylamine	74	1.535	1.535	(0.401)	442428	120.000	120(AM)
71 Pyridine	79	1.557	1.557	(0.407)	683563	120.000	120(AM)
\$ 16 2-Fluorophenol (SUR)	112	2.585	2.585	(0.676)	614836	120.000	120(A)
110 Benzaldehyde	77	3.380	3.380	(0.884)	40520	120.000	20
73 Aniline	93	3.497	3.497	(0.914)	919911	120.000	110(A)
\$ 17 Phenol-d5 (SUR)	99	3.504	3.504	(0.916)	901859	120.000	120(A)
1 Phenol	94	3.519	3.519	(0.920)	956669	120.000	120(A)
20 bis(2-Chloroethyl)ether	93	3.586	3.586	(0.938)	867454	120.000	130(A)
2 2-Chlorophenol	128	3.631	3.631	(0.949)	558107	120.000	120(A)
113 n-decane	43	3.676	3.676	(0.961)	925618	120.000	120(A)
21 1,3-Dichlorobenzene	146	3.765	3.765	(0.984)	687509	120.000	130(A)
* 79 1,4-Dichlorobenzene-d4	152	3.825	3.825	(1.000)	138966	40.0000	

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77567.d
 Report Date: 21-Jun-2012 01:37

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ug/ml)	ON -COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.840	3.840	(1.004)	726423	120.000	120(A)
74 Benzyl Alcohol	108	3.994	3.994	(1.044)	444480	120.000	120(A)
23 1,2-Dichlorobenzene	146	3.994	3.994	(1.044)	688731	120.000	130(A)
24 bis (2-chloroisopropyl) ether	45	4.121	4.121	(1.077)	1336359	120.000	120(A)
3 2-Methylphenol	108	4.121	4.121	(1.077)	575899	120.000	120
104 Acetophenone	105	4.261	4.261	(1.114)	1007221	120.000	120(A)
25 N-Nitroso-di-n-propylamine	70	4.276	4.276	(1.118)	635594	120.000	120(M)
4 4-Methylphenol	108	4.306	4.306	(1.126)	585755	120.000	120
123 3 & 4 Methylphenol	108	4.306	4.306	(1.126)	585755	120.000	120
26 Hexachloroethane	117	4.329	4.329	(1.132)	367510	120.000	120(A)
\$ 76 Nitrobenzene-d5 (SUR)	82	4.416	4.416	(0.861)	926013	120.000	120(A)
27 Nitrobenzene	77	4.438	4.438	(0.865)	1179125	120.000	120(A)
107 N,N-Dimethylaniline	120	4.438	4.438	(1.160)	907116	120.000	130(A)
28 Isophorone	82	4.682	4.682	(0.913)	1560519	120.000	120(A)
5 2-Nitrophenol	139	4.749	4.749	(0.926)	313160	120.000	120(A)
6 2,4-Dimethylphenol	122	4.830	4.830	(0.942)	473536	120.000	120(A)
29 bis(2-Chloroethoxy)methane	93	4.912	4.912	(0.958)	825886	120.000	120(A)
7 2,4-Dichlorophenol	162	5.009	5.009	(0.977)	523143	120.000	120(A)
15 Benzoic Acid	122	5.069	5.069	(0.989)	300470	120.000	120(AM)
30 1,2,4-Trichlorobenzene	180	5.076	5.076	(0.990)	597537	120.000	130(A)
* 80 Naphthalene-d8	136	5.127	5.127	(1.000)	472319	40.0000	
31 Naphthalene	128	5.148	5.148	(1.004)	1619787	120.000	130(A)
32 4-Chloroaniline	127	5.222	5.222	(1.018)	628812	120.000	130(A)
33 Hexachlorobutadiene	225	5.280	5.280	(1.030)	394470	120.000	120(A)
111 Caprolactam	113	5.692	5.692	(1.110)	163342	120.000	120(A)
8 4-Chloro-3-methylphenol	107	5.758	5.758	(1.123)	578791	120.000	120
34 2-Methylnaphthalene	142	5.846	5.846	(1.140)	1069567	120.000	130(A)
120 1-Methylnaphthalene	142	5.951	5.951	(1.161)	1116050	120.000	130(A)
35 Hexachlorocyclopentadiene	237	6.010	6.010	(0.873)	393371	120.000	120(A)
129 1,2,4,5-Tetrachlorobenzene	216	6.025	6.025	(0.875)	581665	120.000	120
121 2-tert-Butyl-4-methylphenol	149	6.093	6.093	(1.188)	820252	120.000	120(A)
9 2,4,6-Trichlorophenol	196	6.153	6.153	(0.893)	397608	120.000	120(A)
10 2,4,5-Trichlorophenol	196	6.205	6.205	(0.901)	433531	120.000	130(A)
\$ 77 2-Fluorobiphenyl (SUR)	172	6.227	6.227	(0.904)	1310595	120.000	120(A)
102 Diphenyl	154	6.331	6.331	(0.919)	1427895	120.000	130(A)
36 2-Chloronaphthalene	162	6.339	6.339	(0.920)	1146147	120.000	120(A)
103 Diphenyl Ether	170	6.428	6.428	(0.933)	824434	120.000	130(A)
37 2-Nitroaniline	65	6.464	6.464	(0.939)	529240	120.000	120(A)
125 1,3-Dimethylnaphthalene	156	6.561	6.561	(0.953)	841674	120.000	120
38 Dimethylphthalate	163	6.657	6.657	(0.967)	1274995	120.000	120(A)
114 Coumarin	146	6.672	6.672	(1.301)	401214	120.000	120(A)
40 2,6-Dinitrotoluene	165	6.717	6.717	(0.975)	308920	120.000	120(A)
39 Acenaphthylene	152	6.753	6.753	(0.980)	1727088	120.000	130(A)
41 3-Nitroaniline	138	6.879	6.879	(0.999)	277689	120.000	120(A)
* 82 Acenaphthene-d10	164	6.887	6.887	(1.000)	303775	40.0000	
42 Acenaphthene	154	6.924	6.924	(1.005)	999959	120.000	120(A)
122 2,6-Di-tert-butyl-p-cresol	205	6.932	6.932	(1.006)	869005	120.000	120

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77567.d
 Report Date: 21-Jun-2012 01:37

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.990	6.990	(1.015)	196566	120.000	120(A)
12 4-Nitrophenol	65	7.086	7.086	(1.029)	371495	120.000	120(A)
43 Dibenzofuran	168	7.093	7.093	(1.030)	1618729	120.000	120(A)
44 2,4-Dinitrotoluene	165	7.115	7.115	(1.033)	402185	120.000	120
130 2,3,4,6-Tetrachlorophenol	232	7.234	7.234	(1.050)	326700	120.000	120(A)
45 Diethylphthalate	149	7.360	7.360	(1.069)	1342774	120.000	120(A)
47 Fluorene	166	7.435	7.435	(1.080)	1197881	120.000	120
46 4-Chlorophenyl-phenylether	204	7.435	7.435	(1.080)	614621	120.000	120
48 4-Nitroaniline	138	7.508	7.508	(1.090)	236977	120.000	120(A)
13 4,6-Dinitro-2-methylphenol	198	7.528	7.528	(0.901)	234735	120.000	120(A)
49 N-Nitrosodiphenylamine	169	7.573	7.573	(0.907)	790817	120.000	130(A)
75 1,2-Diphenylhydrazine	77	7.603	7.603	(0.910)	2210487	120.000	130(A)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.677	7.677	(1.115)	240591	120.000	120
50 4-Bromophenyl-phenylether	248	7.918	7.918	(0.948)	356452	120.000	130(A)
51 Hexachlorobenzene	284	7.986	7.986	(0.956)	442869	120.000	130(A)
112 Atrazine	200	8.116	8.116	(0.972)	315504	120.000	120(A)
14 Pentachlorophenol	266	8.182	8.182	(0.980)	289705	120.000	120(A)
132 Pentachloronitrobenzene	237	8.196	8.196	(0.981)	197844	120.000	120(A)
115 n-Octadecane	57	8.277	8.277	(0.991)	1013670	120.000	120
* 83 Phenanthrene-d10	188	8.352	8.352	(1.000)	459711	40.0000	
52 Phenanthrene	178	8.374	8.374	(1.003)	1696672	120.000	120(A)
53 Anthracene	178	8.427	8.427	(1.009)	1653650	120.000	120(A)
54 Carbazole	167	8.597	8.597	(1.029)	1465106	120.000	130(A)
55 Di-n-butylphthalate	149	8.944	8.944	(1.071)	2110865	120.000	130(A)
56 Fluoranthene	202	9.537	9.537	(1.142)	1711079	120.000	130(A)
58 Benzidine	184	9.671	9.671	(1.158)	68106	120.000	39
57 Pyrene	202	9.760	9.760	(0.886)	1678321	120.000	120(A)
\$ 78 Terphenyl-d14	244	9.921	9.921	(0.901)	1153295	120.000	120(A)
131 Kepone	272	10.634	10.634	(0.965)	3418	300.000	300(A)
59 Butylbenzylphthalate	149	10.420	10.420	(0.946)	825178	120.000	120(A)
124 Carbamazepine	193	10.531	10.531	(0.956)	547678	120.000	130(A)
60 3,3'-Dichlorobenzidine	252	10.988	10.988	(0.997)	313031	120.000	120
61 Benzo(a)anthracene	228	11.002	11.002	(0.999)	1288246	120.000	130(A)
* 81 Chrysene-d12	240	11.016	11.016	(1.000)	347378	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.058	11.058	(1.004)	1134502	120.000	130(A)
62 Chrysene	228	11.051	11.051	(1.003)	1182272	120.000	130(A)
64 Di-n-octylphthalate	149	11.856	11.856	(0.927)	1671027	120.000	120(A)
65 Benzo(b)fluoranthene	252	12.320	12.320	(0.963)	1101891	120.000	120(A)
66 Benzo(k)fluoranthene	252	12.357	12.357	(0.966)	948334	120.000	120
67 Benzo(a)pyrene	252	12.732	12.732	(0.995)	817734	120.000	120(A)
* 84 Perylene-d12	264	12.792	12.792	(1.000)	234142	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.208	14.208	(1.111)	816493	120.000	120(AM)
69 Dibenz(a,h)anthracene	278	14.238	14.238	(1.113)	824516	120.000	120(A)
70 Benzo(g,h,i)perylene	276	14.569	14.569	(1.139)	852478	120.000	130(A)

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77567.d
Report Date: 21-Jun-2012 01:37

QC Flag Legend

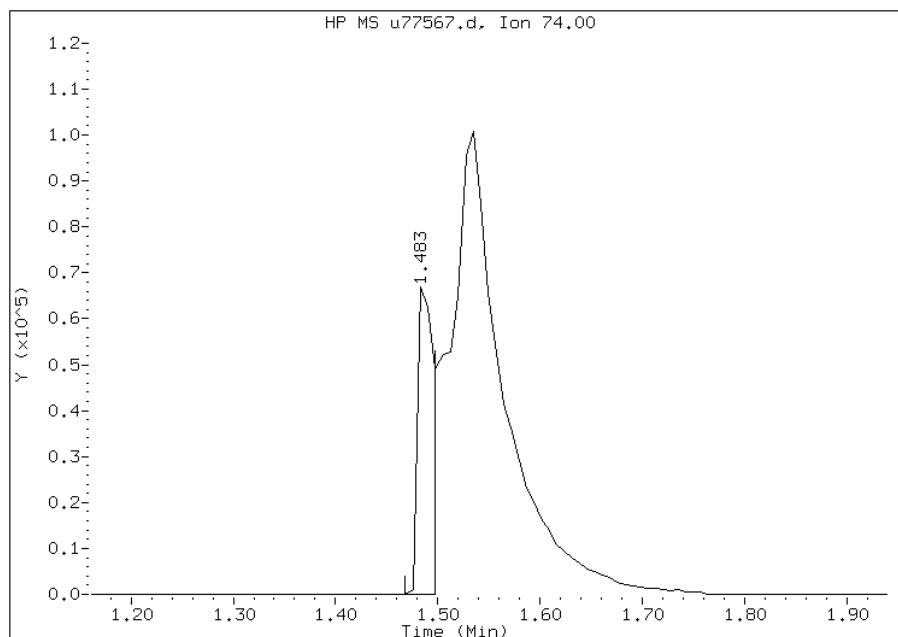
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Manual Integration Report

Data File: u77567.d
Inj. Date and Time: 20-JUN-2012 16:22
Instrument ID: BNAMS4.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 06/21/2012

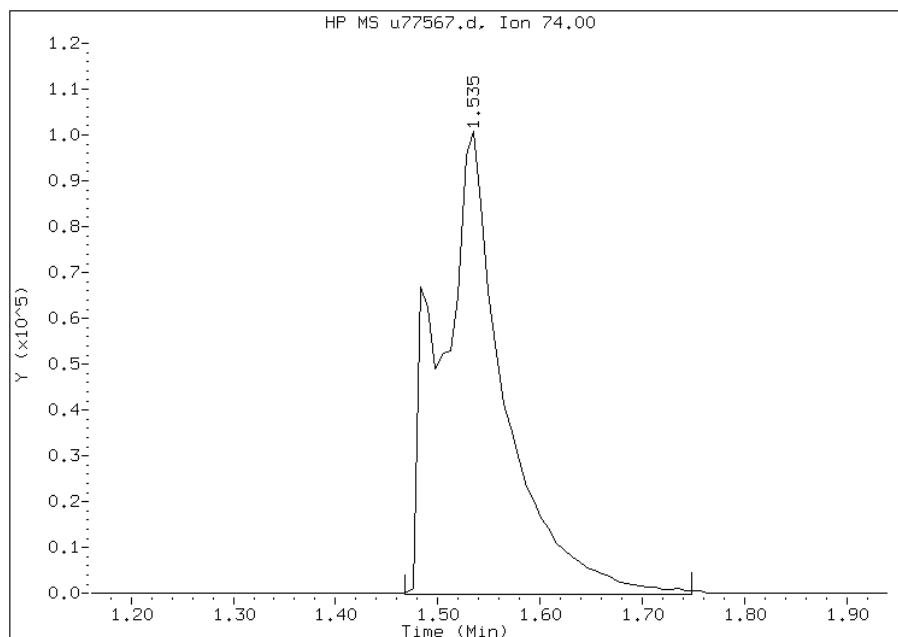
Processing Integration Results

RT: 1.48
Response: 79524
Amount: 37
Conc: 37



Manual Integration Results

RT: 1.53
Response: 442428
Amount: 121
Conc: 121



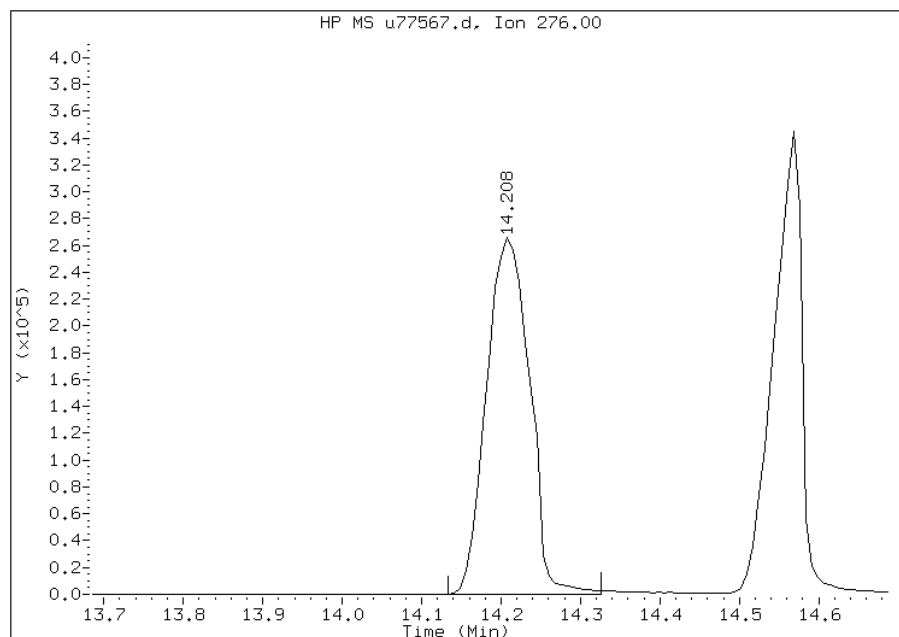
Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u77567.d
Inj. Date and Time: 20-JUN-2012 16:22
Instrument ID: BNAMS4.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 06/21/2012

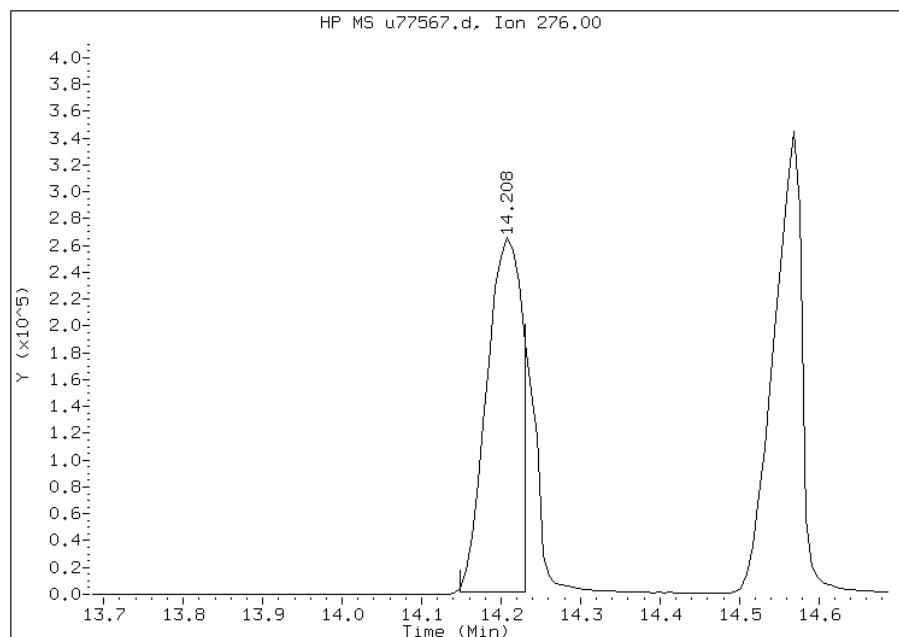
Processing Integration Results

RT: 14.21
Response: 988287
Amount: 138
Conc: 138



Manual Integration Results

RT: 14.21
Response: 816493
Amount: 122
Conc: 122



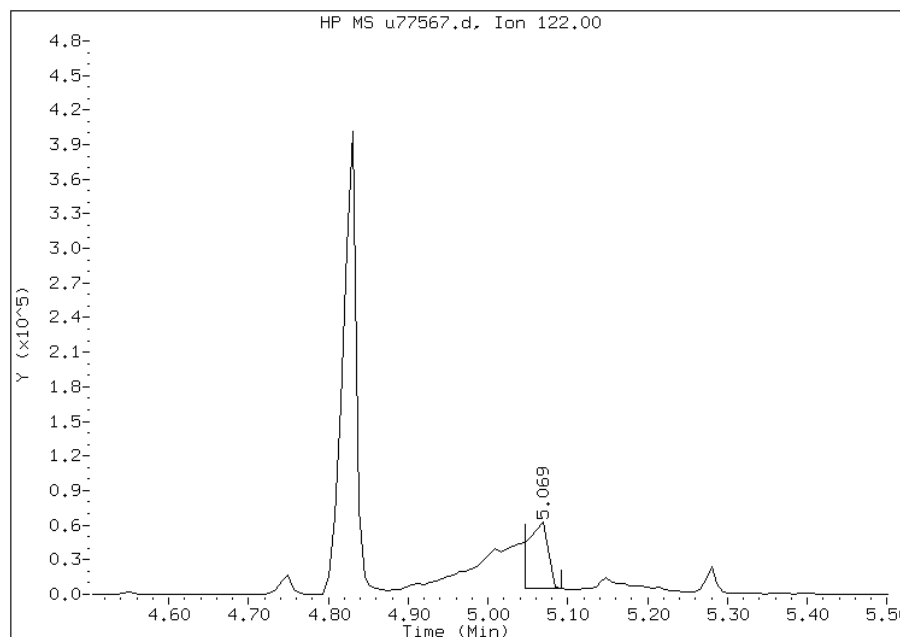
Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u77567.d
Inj. Date and Time: 20-JUN-2012 16:22
Instrument ID: BNAMS4.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/21/2012

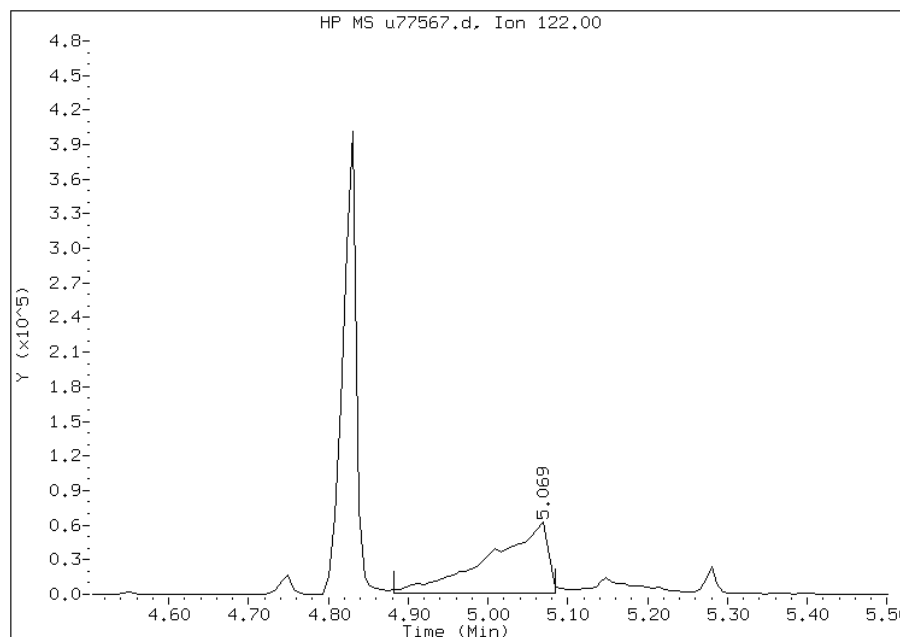
Processing Integration Results

RT: 5.07
Response: 98922
Amount: 66
Conc: 66



Manual Integration Results

RT: 5.07
Response: 300470
Amount: 122
Conc: 122



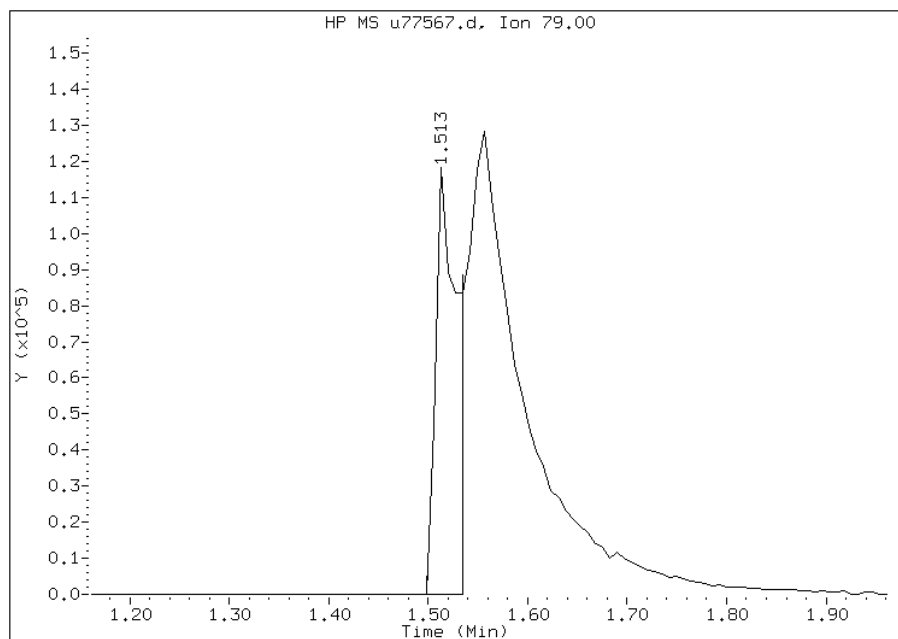
Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u77567.d
Inj. Date and Time: 20-JUN-2012 16:22
Instrument ID: BNAMS4.i
Client ID:
Compound: 71 Pyridine
CAS #: 110-86-1
Report Date: 06/21/2012

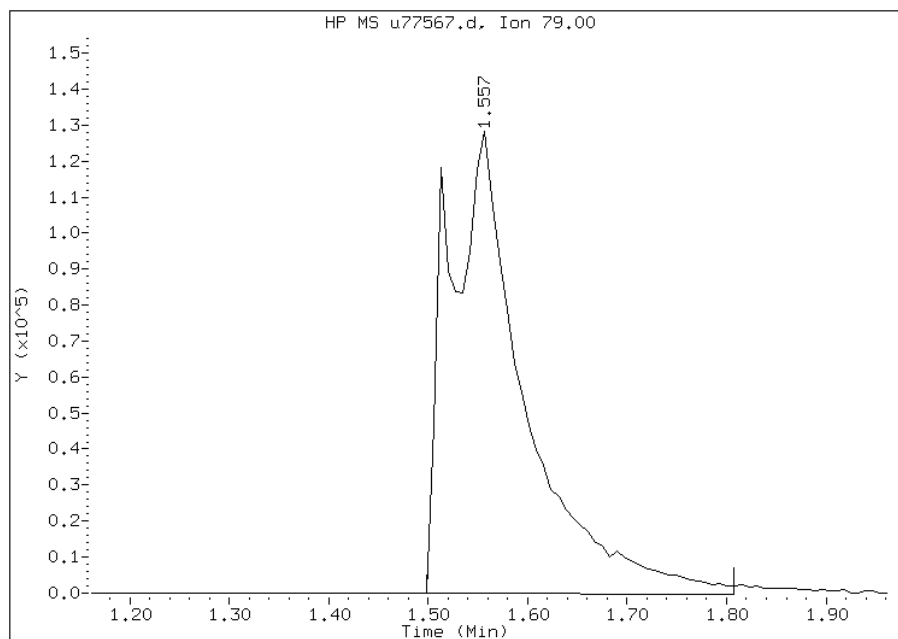
Processing Integration Results

RT: 1.51
Response: 187019
Amount: 52
Conc: 52



Manual Integration Results

RT: 1.56
Response: 683563
Amount: 121
Conc: 121



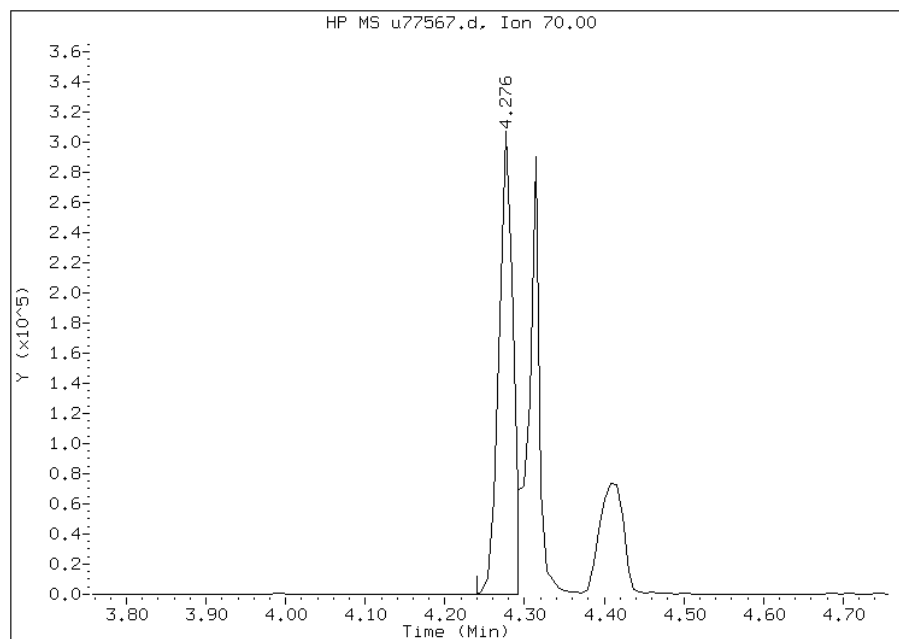
Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u77567.d
Inj. Date and Time: 20-JUN-2012 16:22
Instrument ID: BNAMS4.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 06/21/2012

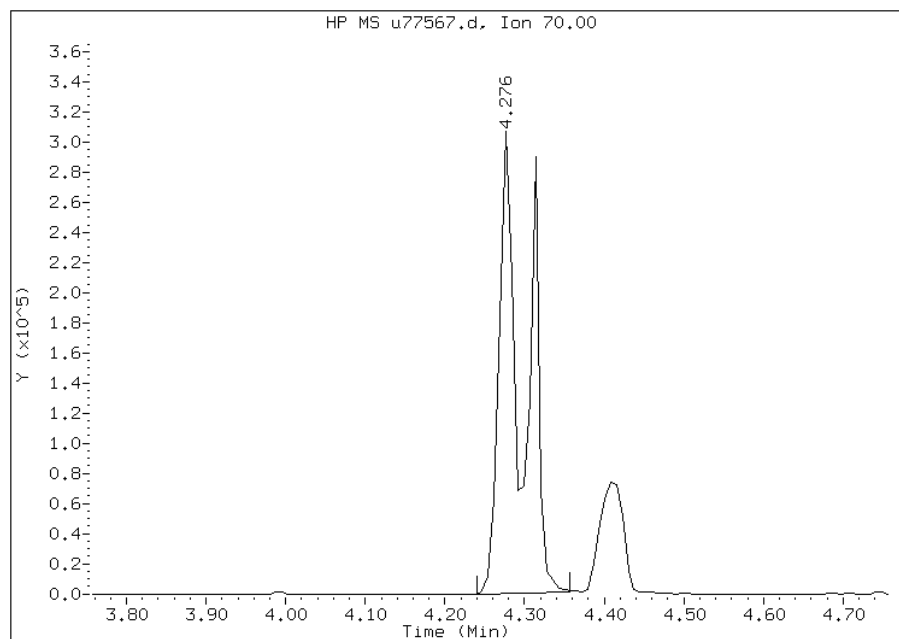
Processing Integration Results

RT: 4.28
Response: 370565
Amount: 88
Conc: 88



Manual Integration Results

RT: 4.28
Response: 635594
Amount: 117
Conc: 117



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77568.d
 Report Date: 21-Jun-2012 01:37

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77568.d
 Lab Smp Id: IC-1519305
 Inj Date : 20-JUN-2012 16:42
 Operator : BNAMS 4
 Smp Info : IC-1519305
 Misc Info : 80
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/8270C_11.m
 Meth Date : 21-Jun-2012 01:37 asfawa
 Cal Date : 20-JUN-2012 16:42
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS4.i
 Quant Type: ISTD
 Cal File: u77568.d
 Calibration Sample, Level: 4
 Compound Sublist: all.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			RESPONSE	AMOUNTS	
	MASS	RT	EXP RT REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====
106 1,4-Dioxane	88	1.249	1.249 (0.328)	147756	80.0000	76
19 N-Nitrosodimethylamine	74	1.469	1.469 (0.385)	283902	80.0000	74
71 Pyridine	79	1.484	1.484 (0.389)	476365	80.0000	78(H)
\$ 16 2-Fluorophenol (SUR)	112	2.548	2.548 (0.668)	412458	80.0000	77
110 Benzaldehyde	77	3.365	3.365 (0.882)	68223	80.0000	45
73 Aniline	93	3.490	3.490 (0.915)	697785	80.0000	80
\$ 17 Phenol-d5 (SUR)	99	3.497	3.497 (0.917)	601724	80.0000	76
1 Phenol	94	3.512	3.512 (0.921)	633316	80.0000	76
20 bis(2-Chloroethyl)ether	93	3.572	3.572 (0.936)	473276	80.0000	71
2 2-Chlorophenol	128	3.615	3.615 (0.948)	386672	80.0000	78
113 n-decane	43	3.675	3.675 (0.963)	596711	80.0000	75
21 1,3-Dichlorobenzene	146	3.763	3.763 (0.987)	452586	80.0000	78
* 79 1,4-Dichlorobenzene-d4	152	3.814	3.814 (1.000)	150578	40.0000	

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77568.d
Report Date: 21-Jun-2012 01:37

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.837	3.837	(1.006)	460072	80.0000	75
74 Benzyl Alcohol	108	3.985	3.985	(1.045)	299246	80.0000	78
23 1,2-Dichlorobenzene	146	3.992	3.992	(1.047)	438212	80.0000	76
24 bis (2-chloroisopropyl) ether	45	4.111	4.111	(1.078)	882799	80.0000	76
3 2-Methylphenol	108	4.119	4.119	(1.080)	414825	80.0000	79
104 Acetophenone	105	4.250	4.250	(1.114)	694325	80.0000	79
25 N-Nitroso-di-n-propylamine	70	4.264	4.264	(1.118)	442903	80.0000	76(M)
4 4-Methylphenol	108	4.287	4.287	(1.124)	424138	80.0000	80
123 3 & 4 Methylphenol	108	4.287	4.287	(1.124)	424138	80.0000	80
26 Hexachloroethane	117	4.331	4.331	(1.135)	238747	80.0000	76
\$ 76 Nitrobenzene-d5 (SUR)	82	4.405	4.405	(0.860)	632548	80.0000	80
27 Nitrobenzene	77	4.427	4.427	(0.865)	799814	80.0000	79
107 N,N-Dimethylaniline	120	4.427	4.427	(1.161)	584341	80.0000	77
28 Isophorone	82	4.678	4.678	(0.914)	1051981	80.0000	79
5 2-Nitrophenol	139	4.743	4.743	(0.926)	227421	80.0000	83
6 2,4-Dimethylphenol	122	4.817	4.817	(0.941)	316181	80.0000	78
29 bis(2-Chloroethoxy)methane	93	4.898	4.898	(0.957)	540506	80.0000	78
7 2,4-Dichlorophenol	162	5.000	5.000	(0.977)	369147	80.0000	82
15 Benzoic Acid	122	5.038	5.038	(0.984)	189995	80.0000	79(M)
30 1,2,4-Trichlorobenzene	180	5.068	5.068	(0.990)	400934	80.0000	80
* 80 Naphthalene-d8	136	5.120	5.120	(1.000)	502157	40.0000	
31 Naphthalene	128	5.141	5.141	(1.004)	1071012	80.0000	80
32 4-Chloroaniline	127	5.215	5.215	(1.019)	414607	80.0000	79
33 Hexachlorobutadiene	225	5.275	5.275	(1.030)	249459	80.0000	76
111 Caprolactam	113	5.653	5.653	(1.104)	106703	80.0000	78(H)
8 4-Chloro-3-methylphenol	107	5.749	5.749	(1.123)	426052	80.0000	81
34 2-Methylnaphthalene	142	5.846	5.846	(1.142)	705418	80.0000	80
120 1-Methylnaphthalene	142	5.943	5.943	(1.161)	689629	80.0000	76
35 Hexachlorocyclopentadiene	237	6.008	6.008	(0.873)	255125	80.0000	77
129 1,2,4,5-Tetrachlorobenzene	216	6.023	6.023	(0.875)	428671	80.0000	81
121 2-tert-Butyl-4-methylphenol	149	6.083	6.083	(1.188)	537705	80.0000	78
9 2,4,6-Trichlorophenol	196	6.149	6.149	(0.894)	274563	80.0000	80
10 2,4,5-Trichlorophenol	196	6.192	6.192	(0.900)	293169	80.0000	81
\$ 77 2-Fluorobiphenyl (SUR)	172	6.222	6.222	(0.904)	812712	80.0000	77
102 Diphenyl	154	6.319	6.319	(0.918)	871767	80.0000	76
36 2-Chloronaphthalene	162	6.334	6.334	(0.920)	758193	80.0000	80
103 Diphenyl Ether	170	6.422	6.422	(0.933)	495432	80.0000	77
37 2-Nitroaniline	65	6.452	6.452	(0.938)	359711	80.0000	80
125 1,3-Dimethylnaphthalene	156	6.555	6.555	(0.953)	563884	80.0000	78
38 Dimethylphthalate	163	6.650	6.650	(0.966)	873270	80.0000	80
114 Coumarin	146	6.657	6.657	(1.300)	262454	80.0000	78
40 2,6-Dinitrotoluene	165	6.702	6.702	(0.974)	205757	80.0000	79
39 Acenaphthylene	152	6.740	6.740	(0.980)	1113042	80.0000	79
41 3-Nitroaniline	138	6.865	6.865	(0.998)	195298	80.0000	81
* 82 Acenaphthene-d10	164	6.880	6.880	(1.000)	314925	40.0000	
42 Acenaphthene	154	6.918	6.918	(1.005)	680552	80.0000	79
122 2,6-Di-tert-butyl-p-cresol	205	6.925	6.925	(1.006)	616749	80.0000	81

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77568.d
 Report Date: 21-Jun-2012 01:37

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.976	6.976	(1.014)	138065	80.0000	84
12 4-Nitrophenol	65	7.073	7.073	(1.028)	258517	80.0000	82
43 Dibenzofuran	168	7.088	7.088	(1.030)	1027364	80.0000	77
44 2,4-Dinitrotoluene	165	7.103	7.103	(1.032)	277980	80.0000	80
130 2,3,4,6-Tetrachlorophenol	232	7.221	7.221	(1.050)	233350	80.0000	83
45 Diethylphthalate	149	7.348	7.348	(1.068)	892442	80.0000	79
47 Fluorene	166	7.429	7.429	(1.080)	833465	80.0000	80
46 4-Chlorophenyl-phenylether	204	7.429	7.429	(1.080)	416725	80.0000	78
48 4-Nitroaniline	138	7.487	7.487	(1.088)	172482	80.0000	83
13 4,6-Dinitro-2-methylphenol	198	7.517	7.517	(0.901)	177764	80.0000	83
49 N-Nitrosodiphenylamine	169	7.560	7.560	(0.906)	555572	80.0000	80
75 1,2-Diphenylhydrazine	77	7.590	7.590	(0.910)	1387563	80.0000	74
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.665	7.665	(1.114)	168088	80.0000	80
50 4-Bromophenyl-phenylether	248	7.913	7.913	(0.949)	235538	80.0000	77
51 Hexachlorobenzene	284	7.972	7.972	(0.956)	299700	80.0000	78
112 Atrazine	200	8.106	8.106	(0.972)	210575	80.0000	76
14 Pentachlorophenol	266	8.172	8.172	(0.980)	196862	80.0000	80
132 Pentachloronitrobenzene	237	8.186	8.186	(0.981)	143731	80.0000	80
115 n-Octadecane	57	8.275	8.275	(0.992)	753812	80.0000	80
* 83 Phenanthrene-d10	188	8.342	8.342	(1.000)	509262	40.0000	
52 Phenanthrene	178	8.372	8.372	(1.004)	1155481	80.0000	78
53 Anthracene	178	8.423	8.423	(1.010)	1147203	80.0000	79
54 Carbazole	167	8.584	8.584	(1.029)	990724	80.0000	80
55 Di-n-butylphthalate	149	8.938	8.938	(1.071)	1563985	80.0000	83
56 Fluoranthene	202	9.531	9.531	(1.142)	1157937	80.0000	79
58 Benzidine	184	9.672	9.672	(1.159)	92348	80.0000	60
57 Pyrene	202	9.753	9.753	(0.886)	1145330	80.0000	78
\$ 78 Terphenyl-d14	244	9.914	9.914	(0.901)	784669	80.0000	78
59 Butylbenzylphthalate	149	10.413	10.413	(0.946)	555724	80.0000	78
124 Carbamazepine	193	10.523	10.523	(0.956)	368626	80.0000	80
60 3,3'-Dichlorobenzidine	252	10.976	10.976	(0.997)	241091	80.0000	81
61 Benzo(a)anthracene	228	10.989	10.989	(0.999)	866751	80.0000	80
* 81 Chrysene-d12	240	11.003	11.003	(1.000)	381721	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.055	11.055	(1.005)	737682	80.0000	79
62 Chrysene	228	11.040	11.040	(1.003)	772539	80.0000	77
64 Di-n-octylphthalate	149	11.845	11.845	(0.927)	1051236	80.0000	78
65 Benzo(b)fluoranthene	252	12.303	12.303	(0.962)	643765	80.0000	73
66 Benzo(k)fluoranthene	252	12.340	12.340	(0.965)	642293	80.0000	80
67 Benzo(a)pyrene	252	12.717	12.717	(0.995)	522179	80.0000	79
* 84 Perylene-d12	264	12.784	12.784	(1.000)	233520	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.191	14.191	(1.110)	486650	80.0000	74(M)
69 Dibenz(a,h)anthracene	278	14.222	14.222	(1.112)	503815	80.0000	82
70 Benzo(g,h,i)perylene	276	14.549	14.549	(1.138)	496332	80.0000	78

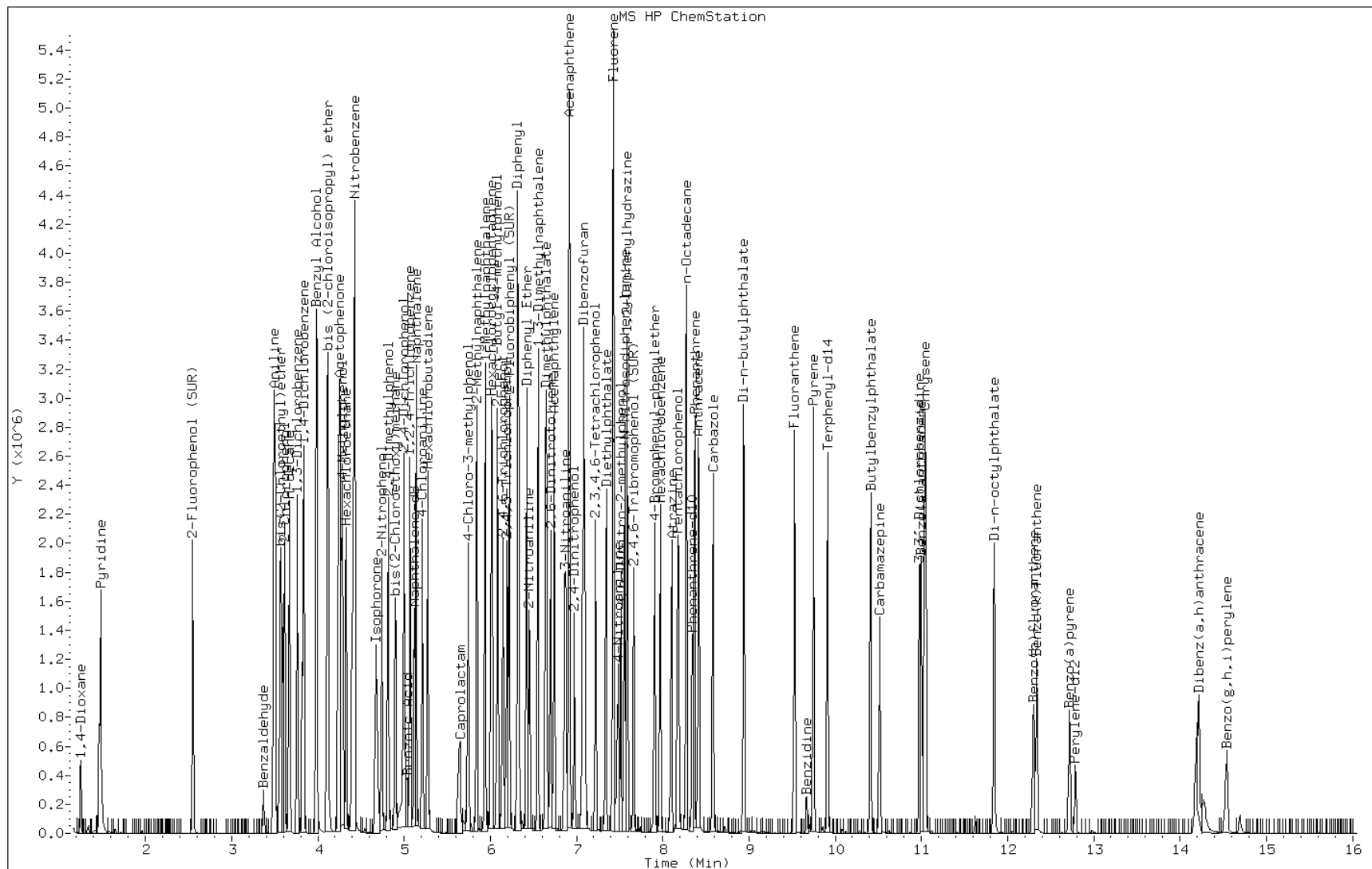
Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77568.d
Report Date: 21-Jun-2012 01:37

QC Flag Legend

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

Instrument: BNAMS4.i

Operator: BNAMS 4

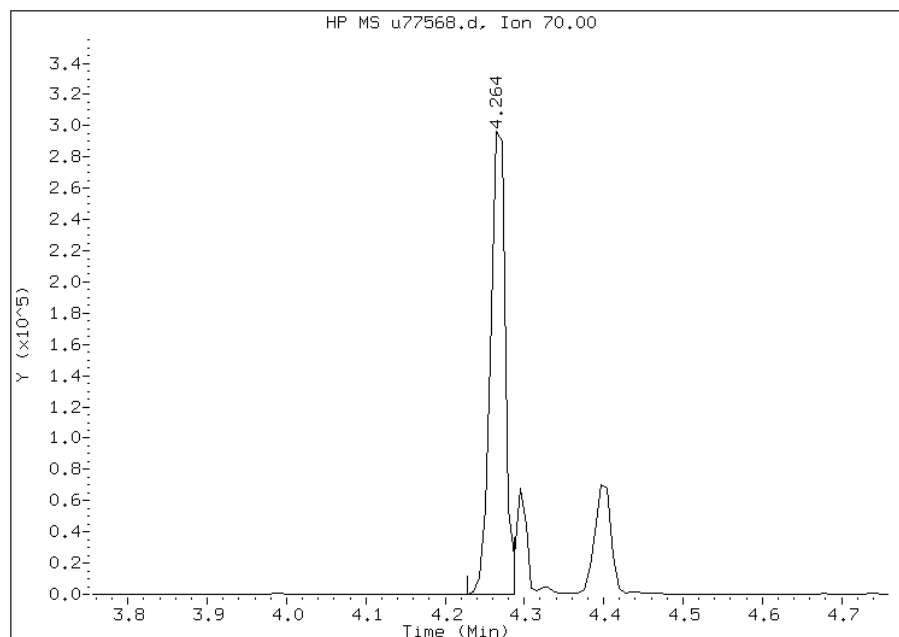


Manual Integration Report

Data File: u77568.d
Inj. Date and Time: 20-JUN-2012 16:42
Instrument ID: BNAMS4.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 06/21/2012

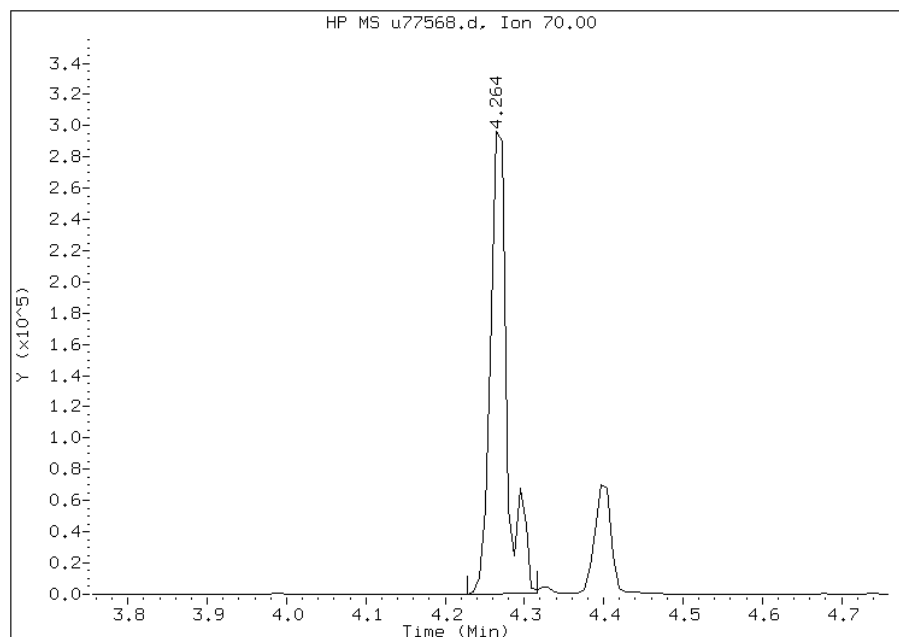
Processing Integration Results

RT: 4.26
Response: 391686
Amount: 84
Conc: 84



Manual Integration Results

RT: 4.26
Response: 442903
Amount: 77
Conc: 77



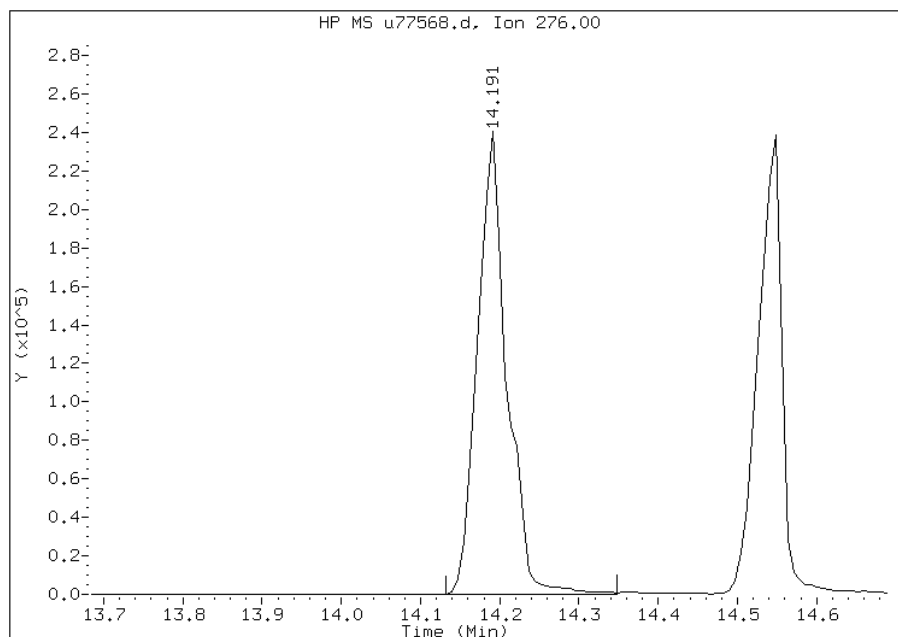
Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u77568.d
Inj. Date and Time: 20-JUN-2012 16:42
Instrument ID: BNAMS4.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 06/21/2012

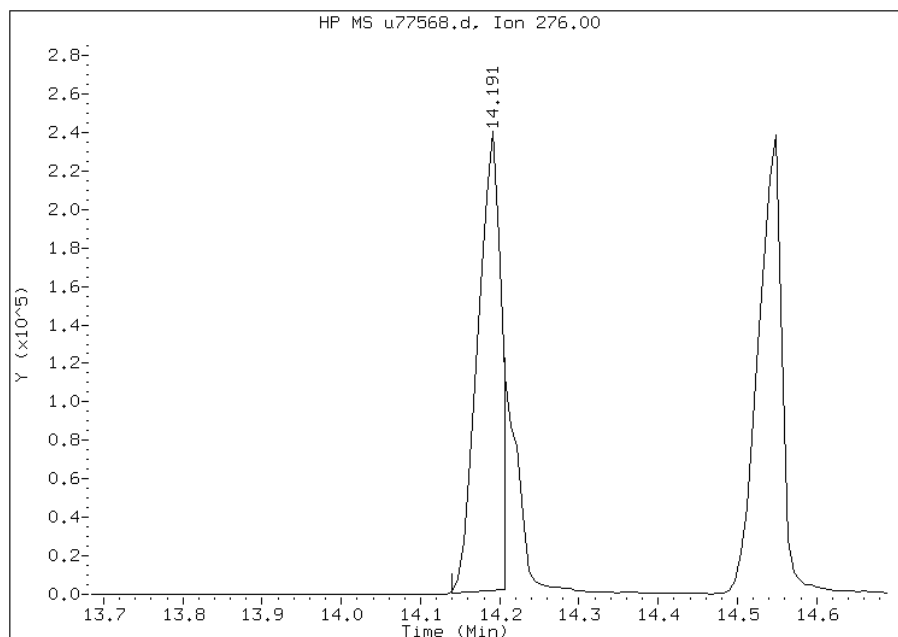
Processing Integration Results

RT: 14.19
Response: 614485
Amount: 90
Conc: 90



Manual Integration Results

RT: 14.19
Response: 486650
Amount: 75
Conc: 75



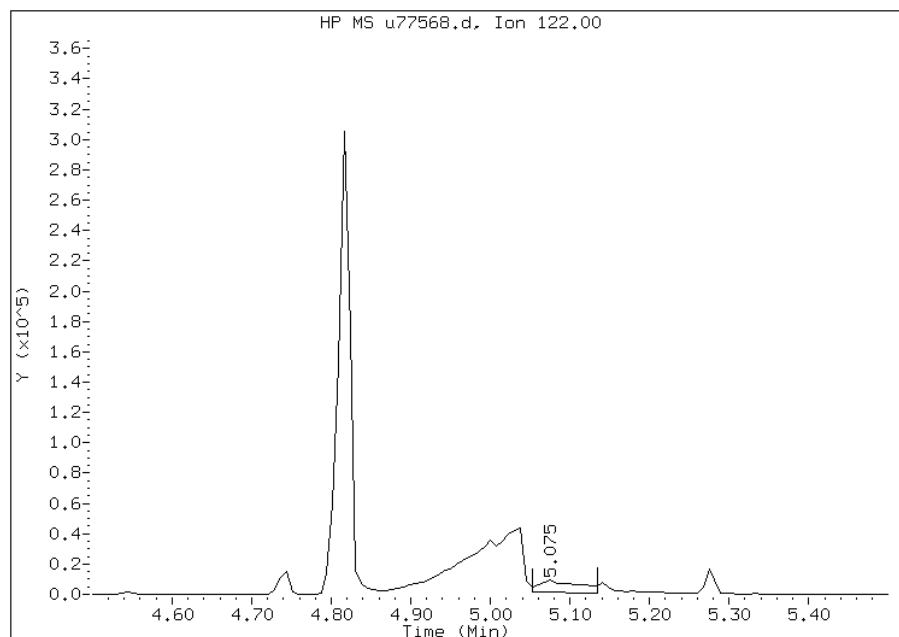
Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u77568.d
Inj. Date and Time: 20-JUN-2012 16:42
Instrument ID: BNAMS4.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/21/2012

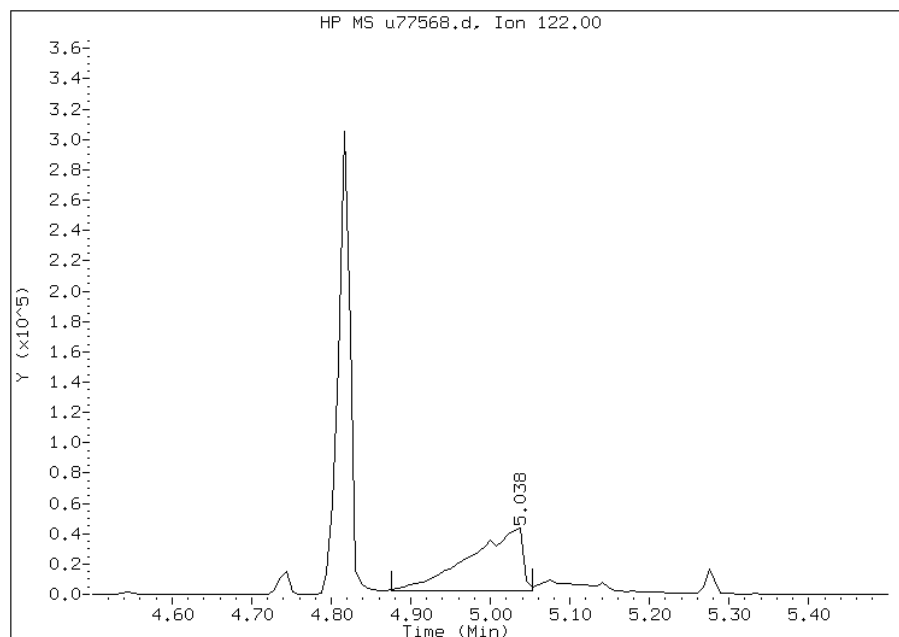
Processing Integration Results

RT: 5.08
Response: 29458
Amount: 17
Conc: 17



Manual Integration Results

RT: 5.04
Response: 189995
Amount: 79
Conc: 79



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77569.d
 Report Date: 21-Jun-2012 01:37

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77569.d
 Lab Smp Id: IC-1519303
 Inj Date : 20-JUN-2012 17:03
 Operator : BNAMS 4
 Smp Info : IC-1519303
 Misc Info : 20
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/8270C_11.m
 Meth Date : 21-Jun-2012 01:37 asfawa
 Cal Date : 20-JUN-2012 17:03
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS4.i
 Quant Type: ISTD
 Cal File: u77569.d
 Calibration Sample, Level: 2
 Compound Sublist: all.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				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.227	1.227	(0.322)	46713	20.0000	19
19 N-Nitrosodimethylamine	74	1.433	1.433	(0.376)	89252	20.0000	18
71 Pyridine	79	1.462	1.462	(0.383)	135068	20.0000	18
\$ 16 2-Fluorophenol (SUR)	112	2.534	2.534	(0.665)	119787	20.0000	18
110 Benzaldehyde	77	3.355	3.355	(0.880)	77007	20.0000	29
73 Aniline	93	3.473	3.473	(0.911)	218466	20.0000	19
\$ 17 Phenol-d5 (SUR)	99	3.467	3.467	(0.909)	183023	20.0000	18
1 Phenol	94	3.481	3.481	(0.913)	191261	20.0000	18
20 bis(2-Chloroethyl)ether	93	3.548	3.548	(0.930)	137253	20.0000	16
2 2-Chlorophenol	128	3.600	3.600	(0.944)	113624	20.0000	18
113 n-decane	43	3.667	3.667	(0.962)	199887	20.0000	19
21 1,3-Dichlorobenzene	146	3.755	3.755	(0.985)	129198	20.0000	18
* 79 1,4-Dichlorobenzene-d4	152	3.813	3.813	(1.000)	198664	40.0000	

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77569.d
Report Date: 21-Jun-2012 01:37

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.828	3.828	(1.004)	129452	20.0000	17
74 Benzyl Alcohol	108	3.968	3.968	(1.041)	89278	20.0000	18
23 1,2-Dichlorobenzene	146	3.983	3.983	(1.045)	127636	20.0000	18
24 bis (2-chloroisopropyl) ether	45	4.109	4.109	(1.078)	288394	20.0000	19
3 2-Methylphenol	108	4.101	4.101	(1.076)	126067	20.0000	19
104 Acetophenone	105	4.234	4.234	(1.111)	204392	20.0000	18
25 N-Nitroso-di-n-propylamine	70	4.242	4.242	(1.113)	137839	20.0000	18
4 4-Methylphenol	108	4.264	4.264	(1.118)	131275	20.0000	19
123 3 & 4 Methylphenol	108	4.264	4.264	(1.118)	132507	20.0000	19
26 Hexachloroethane	117	4.323	4.323	(1.134)	71872	20.0000	18
\$ 76 Nitrobenzene-d5 (SUR)	82	4.388	4.388	(0.858)	204194	20.0000	18
27 Nitrobenzene	77	4.410	4.410	(0.862)	272820	20.0000	19
107 N,N-Dimethylaniline	120	4.410	4.410	(1.157)	173508	20.0000	18
28 Isophorone	82	4.653	4.653	(0.909)	341297	20.0000	18
5 2-Nitrophenol	139	4.733	4.733	(0.925)	70503	20.0000	18
6 2,4-Dimethylphenol	122	4.800	4.800	(0.938)	100710	20.0000	18
29 bis(2-Chloroethoxy)methane	93	4.889	4.889	(0.955)	163940	20.0000	17
7 2,4-Dichlorophenol	162	4.985	4.985	(0.974)	108756	20.0000	18
15 Benzoic Acid	122	4.963	4.963	(0.970)	58545	20.0000	19(H)
30 1,2,4-Trichlorobenzene	180	5.060	5.060	(0.989)	120660	20.0000	18
* 80 Naphthalene-d8	136	5.117	5.117	(1.000)	717783	40.0000	
31 Naphthalene	128	5.131	5.131	(1.003)	283548	20.0000	16
32 4-Chloroaniline	127	5.204	5.204	(1.017)	136143	20.0000	19
33 Hexachlorobutadiene	225	5.270	5.270	(1.030)	79348	20.0000	18
111 Caprolactam	113	5.580	5.580	(1.090)	38292	20.0000	20
8 4-Chloro-3-methylphenol	107	5.729	5.729	(1.119)	139263	20.0000	19
34 2-Methylnaphthalene	142	5.840	5.840	(1.141)	202712	20.0000	17
120 1-Methylnaphthalene	142	5.937	5.937	(1.160)	209196	20.0000	17
35 Hexachlorocyclopentadiene	237	6.002	6.002	(0.873)	62742	20.0000	14
129 1,2,4,5-Tetrachlorobenzene	216	6.010	6.010	(0.874)	132764	20.0000	19
121 2-tert-Butyl-4-methylphenol	149	6.077	6.077	(1.188)	168670	20.0000	18
9 2,4,6-Trichlorophenol	196	6.135	6.135	(0.892)	90714	20.0000	20
10 2,4,5-Trichlorophenol	196	6.178	6.178	(0.898)	86729	20.0000	18
\$ 77 2-Fluorobiphenyl (SUR)	172	6.216	6.216	(0.904)	251251	20.0000	18
102 Diphenyl	154	6.312	6.312	(0.918)	266793	20.0000	18
36 2-Chloronaphthalene	162	6.327	6.327	(0.920)	223817	20.0000	18
103 Diphenyl Ether	170	6.416	6.416	(0.933)	149173	20.0000	18
37 2-Nitroaniline	65	6.439	6.439	(0.936)	117092	20.0000	20
125 1,3-Dimethylnaphthalene	156	6.542	6.542	(0.951)	167173	20.0000	18
38 Dimethylphthalate	163	6.630	6.630	(0.964)	273669	20.0000	19
114 Coumarin	146	6.638	6.638	(1.297)	84386	20.0000	18
40 2,6-Dinitrotoluene	165	6.689	6.689	(0.972)	62922	20.0000	18
39 Acenaphthylene	152	6.733	6.733	(0.979)	329941	20.0000	18
41 3-Nitroaniline	138	6.850	6.850	(0.996)	63113	20.0000	20
* 82 Acenaphthene-d10	164	6.879	6.879	(1.000)	420326	40.0000	
42 Acenaphthene	154	6.909	6.909	(1.004)	203001	20.0000	18
122 2,6-Di-tert-butyl-p-cresol	205	6.916	6.916	(1.005)	202937	20.0000	20

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77569.d
Report Date: 21-Jun-2012 01:37

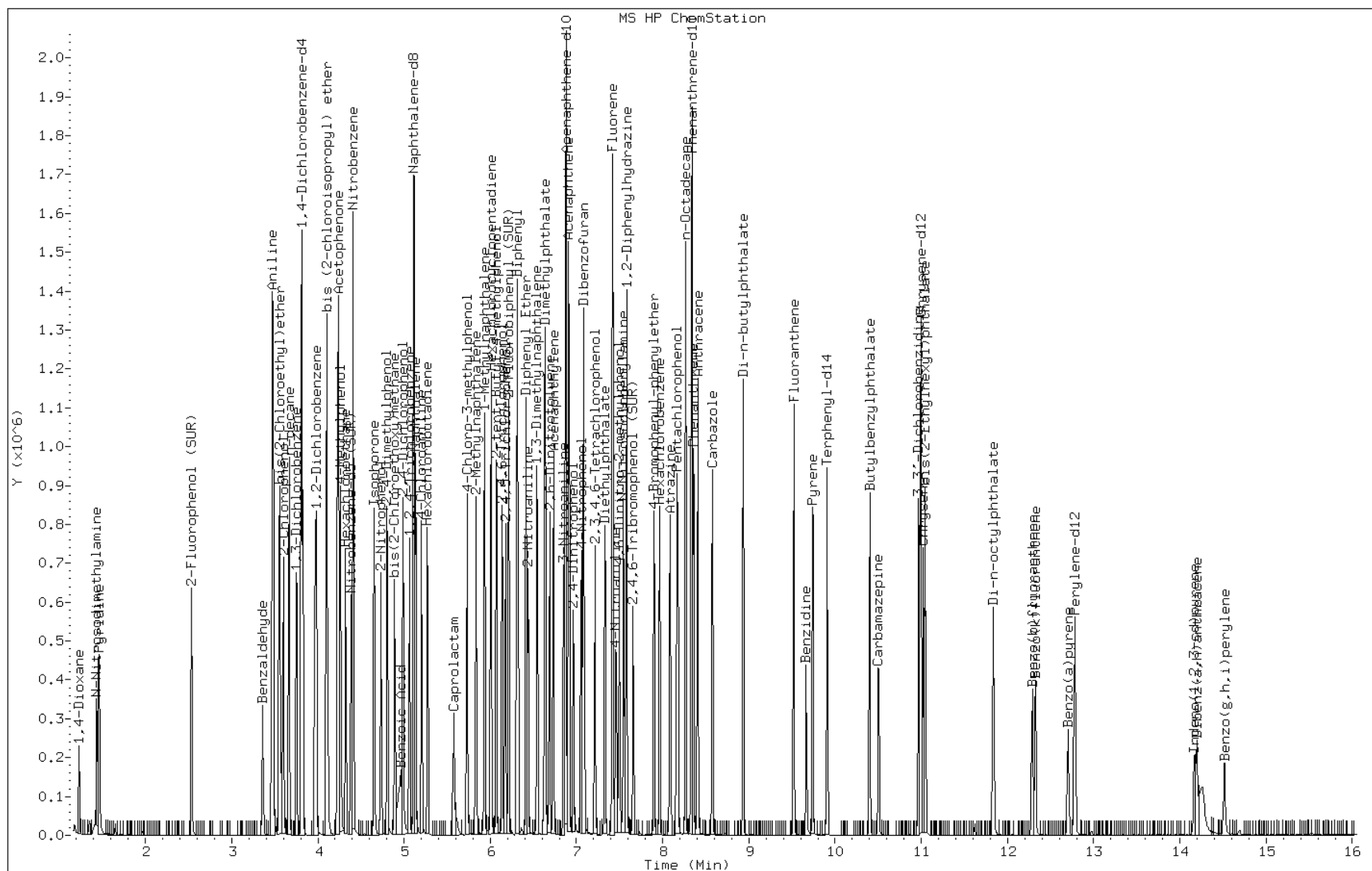
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.961	6.961	(1.012)	57351	30.0000	28
12 4-Nitrophenol	65	7.057	7.057	(1.026)	116183	30.0000	28
43 Dibenzofuran	168	7.080	7.080	(1.029)	322973	20.0000	19
44 2,4-Dinitrotoluene	165	7.087	7.087	(1.030)	85307	20.0000	19
130 2,3,4,6-Tetrachlorophenol	232	7.212	7.212	(1.048)	62110	20.0000	17
45 Diethylphthalate	149	7.329	7.329	(1.065)	277179	20.0000	19
47 Fluorene	166	7.418	7.418	(1.078)	244580	20.0000	18
46 4-Chlorophenyl-phenylether	204	7.426	7.426	(1.079)	127349	20.0000	18
48 4-Nitroaniline	138	7.462	7.462	(1.085)	51934	20.0000	19(H)
13 4,6-Dinitro-2-methylphenol	198	7.499	7.499	(0.899)	78360	30.0000	28
49 N-Nitrosodiphenylamine	169	7.544	7.544	(0.904)	170218	20.0000	19
75 1,2-Diphenylhydrazine	77	7.581	7.581	(0.909)	481598	20.0000	20
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.654	7.654	(1.113)	49796	20.0000	18
50 4-Bromophenyl-phenylether	248	7.905	7.905	(0.948)	72143	20.0000	18
51 Hexachlorobenzene	284	7.965	7.965	(0.955)	89514	20.0000	18
112 Atrazine	200	8.089	8.089	(0.970)	66672	20.0000	19
14 Pentachlorophenol	266	8.170	8.170	(0.980)	83674	30.0000	29
132 Pentachloronitrobenzene	237	8.177	8.177	(0.980)	41827	20.0000	18
115 n-Octadecane	57	8.266	8.266	(0.991)	247485	20.0000	20
* 83 Phenanthrene-d10	188	8.341	8.341	(1.000)	663146	40.0000	
52 Phenanthrene	178	8.363	8.363	(1.003)	358285	20.0000	19
53 Anthracene	178	8.408	8.408	(1.008)	373939	20.0000	20
54 Carbazole	167	8.576	8.576	(1.028)	303085	20.0000	19
55 Di-n-butylphthalate	149	8.934	8.934	(1.071)	450393	20.0000	19
56 Fluoranthene	202	9.523	9.523	(1.142)	370450	20.0000	20
58 Benzidine	184	9.663	9.663	(1.159)	136027	30.0000	48
57 Pyrene	202	9.745	9.745	(0.886)	358513	20.0000	19
\$ 78 Terphenyl-d14	244	9.908	9.908	(0.901)	240854	20.0000	19
59 Butylbenzylphthalate	149	10.405	10.405	(0.946)	170646	20.0000	19
124 Carbamazepine	193	10.508	10.508	(0.956)	111957	20.0000	19
60 3,3'-Dichlorobenzidine	252	10.967	10.967	(0.997)	132360	30.0000	33
61 Benzo(a)anthracene	228	10.982	10.982	(0.999)	258031	20.0000	19
* 81 Chrysene-d12	240	10.997	10.997	(1.000)	491205	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.048	11.048	(1.005)	226778	20.0000	19
62 Chrysene	228	11.025	11.025	(1.003)	231506	20.0000	18
64 Di-n-octylphthalate	149	11.839	11.839	(0.926)	331220	20.0000	18
65 Benzo(b)fluoranthene	252	12.288	12.288	(0.961)	195458	20.0000	16
66 Benzo(k)fluoranthene	252	12.324	12.324	(0.964)	216848	20.0000	20
67 Benzo(a)pyrene	252	12.699	12.699	(0.993)	161913	20.0000	18
* 84 Perylene-d12	264	12.787	12.787	(1.000)	327295	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.166	14.166	(1.108)	138485	20.0000	15(M)
69 Dibenz(a,h)anthracene	278	14.196	14.196	(1.110)	140795	20.0000	18
70 Benzo(g,h,i)perylene	276	14.521	14.521	(1.136)	144224	20.0000	17

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77569.d
Report Date: 21-Jun-2012 01:37

QC Flag Legend

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

Operator: BNAMS 4

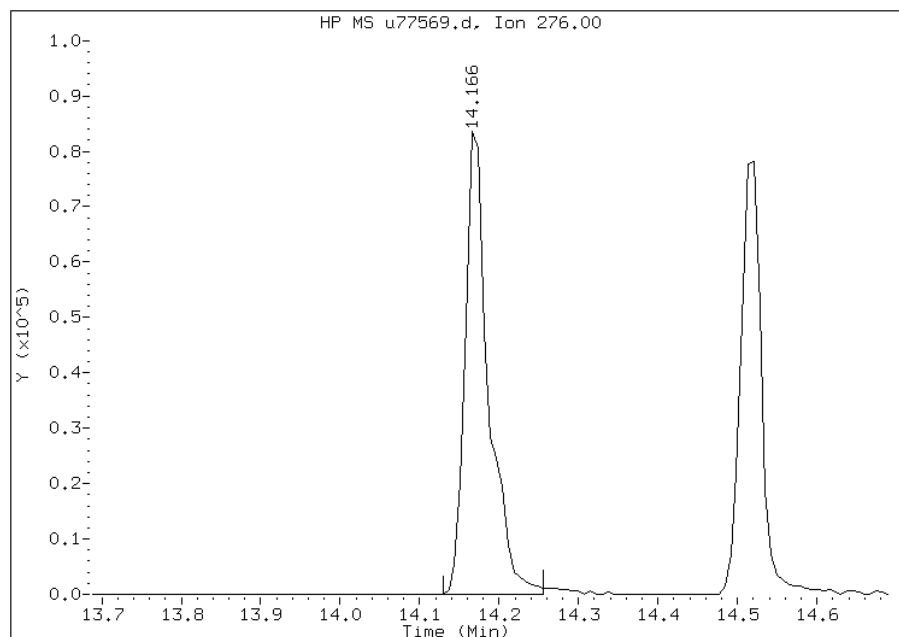


Manual Integration Report

Data File: u77569.d
Inj. Date and Time: 20-JUN-2012 17:03
Instrument ID: BNAMS4.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 06/21/2012

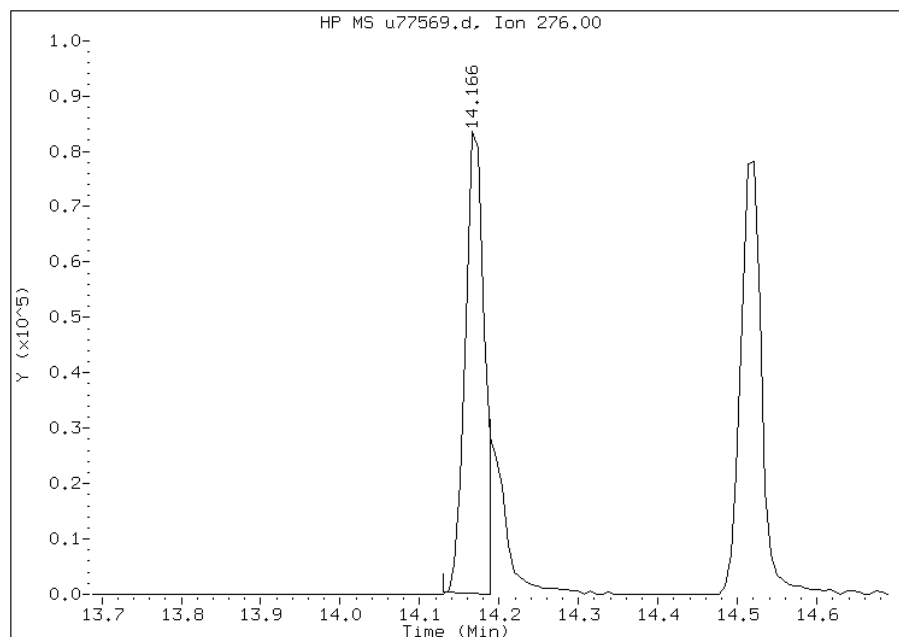
Processing Integration Results

RT: 14.17
Response: 170723
Amount: 19
Conc: 19



Manual Integration Results

RT: 14.17
Response: 138485
Amount: 15
Conc: 15



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77570.d
 Report Date: 21-Jun-2012 01:37

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77570.d
 Lab Smp Id: IC-1519302
 Inj Date : 20-JUN-2012 17:23
 Operator : BNAMS 4
 Smp Info : IC-1519302
 Misc Info : 10
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/8270C_11.m
 Meth Date : 21-Jun-2012 01:37 asfawa
 Cal Date : 20-JUN-2012 17:23
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS4.i
 Quant Type: ISTD
 Cal File: u77570.d
 Calibration Sample, Level: 6
 Compound Sublist: all.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				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.234	1.234	(0.324)	23127	10.0000	10
19 N-Nitrosodimethylamine	74	1.438	1.438	(0.377)	43562	10.0000	10
71 Pyridine	79	1.460	1.460	(0.383)	65573	10.0000	9.7
\$ 16 2-Fluorophenol (SUR)	112	2.534	2.534	(0.665)	56161	10.0000	9.4
110 Benzaldehyde	77	3.356	3.356	(0.881)	37004	10.0000	14
73 Aniline	93	3.472	3.472	(0.911)	102412	10.0000	10
\$ 17 Phenol-d5 (SUR)	99	3.465	3.465	(0.909)	83254	10.0000	9.5
1 Phenol	94	3.480	3.480	(0.913)	95437	10.0000	10
20 bis(2-Chloroethyl)ether	93	3.546	3.546	(0.931)	68392	10.0000	9.5
2 2-Chlorophenol	128	3.597	3.597	(0.944)	52022	10.0000	9.5
113 n-decane	43	3.663	3.663	(0.961)	93112	10.0000	10
21 1,3-Dichlorobenzene	146	3.751	3.751	(0.984)	63836	10.0000	9.9
* 79 1,4-Dichlorobenzene-d4	152	3.810	3.810	(1.000)	175443	40.0000	

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77570.d
 Report Date: 21-Jun-2012 01:37

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.825	3.825	(1.004)	60159	10.0000	9.1
74 Benzyl Alcohol	108	3.965	3.965	(1.041)	39770	10.0000	9.3
23 1,2-Dichlorobenzene	146	3.980	3.980	(1.044)	58422	10.0000	9.3
24 bis (2-chloroisopropyl) ether	45	4.105	4.105	(1.077)	134266	10.0000	10
3 2-Methylphenol	108	4.097	4.097	(1.075)	58570	10.0000	9.8
104 Acetophenone	105	4.230	4.230	(1.110)	105681	10.0000	10
25 N-Nitroso-di-n-propylamine	70	4.237	4.237	(1.112)	69257	10.0000	10
4 4-Methylphenol	108	4.260	4.260	(1.118)	62728	10.0000	10
123 3 & 4 Methylphenol	108	4.260	4.260	(1.118)	62728	10.0000	10
26 Hexachloroethane	117	4.319	4.319	(1.134)	35870	10.0000	10
\$ 76 Nitrobenzene-d5 (SUR)	82	4.384	4.384	(0.858)	96577	10.0000	10
27 Nitrobenzene	77	4.399	4.399	(0.861)	127731	10.0000	10
107 N,N-Dimethylaniline	120	4.407	4.407	(1.157)	79363	10.0000	9.4
28 Isophorone	82	4.649	4.649	(0.910)	161447	10.0000	10
5 2-Nitrophenol	139	4.729	4.729	(0.925)	31191	10.0000	9.6
6 2,4-Dimethylphenol	122	4.802	4.802	(0.940)	46304	10.0000	9.7
29 bis(2-Chloroethoxy)methane	93	4.891	4.891	(0.957)	82213	10.0000	10
7 2,4-Dichlorophenol	162	4.985	4.985	(0.976)	51898	10.0000	9.8
15 Benzoic Acid	122	4.928	4.928	(0.964)	22966	10.0000	8.9
30 1,2,4-Trichlorobenzene	180	5.059	5.059	(0.990)	57066	10.0000	9.7
* 80 Naphthalene-d8	136	5.110	5.110	(1.000)	615829	40.0000	
31 Naphthalene	128	5.131	5.131	(1.004)	153182	10.0000	10
32 4-Chloroaniline	127	5.204	5.204	(1.018)	59253	10.0000	9.5
33 Hexachlorobutadiene	225	5.276	5.276	(1.033)	37879	10.0000	9.8
111 Caprolactam	113	5.555	5.555	(1.087)	19156	10.0000	11
8 4-Chloro-3-methylphenol	107	5.723	5.723	(1.120)	65696	10.0000	10
34 2-Methylnaphthalene	142	5.834	5.834	(1.142)	95330	10.0000	9.4
120 1-Methylnaphthalene	142	5.929	5.929	(1.160)	94166	10.0000	9.1(a)
35 Hexachlorocyclopentadiene	237	6.003	6.003	(0.873)	24494	10.0000	5.7
129 1,2,4,5-Tetrachlorobenzene	216	6.011	6.011	(0.874)	63497	10.0000	9.5
121 2-tert-Butyl-4-methylphenol	149	6.070	6.070	(1.188)	76446	10.0000	9.5
9 2,4,6-Trichlorophenol	196	6.135	6.135	(0.892)	40817	10.0000	9.3
10 2,4,5-Trichlorophenol	196	6.172	6.172	(0.897)	43336	10.0000	9.5
\$ 77 2-Fluorobiphenyl (SUR)	172	6.210	6.210	(0.903)	120455	10.0000	9.1
102 Diphenyl	154	6.311	6.311	(0.918)	124447	10.0000	8.8
36 2-Chloronaphthalene	162	6.319	6.319	(0.919)	106294	10.0000	9.0
103 Diphenyl Ether	170	6.415	6.415	(0.933)	71979	10.0000	9.1
37 2-Nitroaniline	65	6.438	6.438	(0.936)	58971	10.0000	10
125 1,3-Dimethylnaphthalene	156	6.540	6.540	(0.951)	81063	10.0000	9.1
38 Dimethylphthalate	163	6.628	6.628	(0.964)	131972	10.0000	9.5
114 Coumarin	146	6.635	6.635	(1.298)	38221	10.0000	9.6
40 2,6-Dinitrotoluene	165	6.687	6.687	(0.972)	31807	10.0000	9.6
39 Acenaphthylene	152	6.730	6.730	(0.979)	156586	10.0000	9.0
41 3-Nitroaniline	138	6.848	6.848	(0.996)	29758	10.0000	9.6(a)
* 82 Acenaphthene-d10	164	6.878	6.878	(1.000)	412125	40.0000	
42 Acenaphthene	154	6.901	6.901	(1.003)	95896	10.0000	9.0
122 2,6-Di-tert-butyl-p-cresol	205	6.916	6.916	(1.005)	94282	10.0000	9.5

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77570.d
Report Date: 21-Jun-2012 01:37

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.960	6.960	(1.012)	31020	20.0000	16
12 4-Nitrophenol	65	7.048	7.048	(1.025)	79099	20.0000	20
43 Dibenzofuran	168	7.077	7.077	(1.029)	153633	10.0000	9.2
44 2,4-Dinitrotoluene	165	7.085	7.085	(1.030)	41977	10.0000	9.5
130 2,3,4,6-Tetrachlorophenol	232	7.209	7.209	(1.048)	33007	10.0000	9.5
45 Diethylphthalate	149	7.327	7.327	(1.065)	138847	10.0000	9.7
47 Fluorene	166	7.415	7.415	(1.078)	116854	10.0000	9.0
46 4-Chlorophenyl-phenylether	204	7.423	7.423	(1.079)	62083	10.0000	9.3
48 4-Nitroaniline	138	7.452	7.452	(1.083)	27911	10.0000	10
13 4,6-Dinitro-2-methylphenol	198	7.490	7.490	(0.898)	47057	20.0000	18
49 N-Nitrosodiphenylamine	169	7.540	7.540	(0.904)	80752	10.0000	9.4
75 1,2-Diphenylhydrazine	77	7.577	7.577	(0.909)	241516	10.0000	10
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.658	7.658	(1.113)	23205	10.0000	9.0
50 4-Bromophenyl-phenylether	248	7.901	7.901	(0.948)	35393	10.0000	9.4
51 Hexachlorobenzene	284	7.960	7.960	(0.955)	45178	10.0000	9.6
112 Atrazine	200	8.086	8.086	(0.970)	35715	10.0000	10
14 Pentachlorophenol	266	8.168	8.168	(0.980)	46187	20.0000	17
132 Pentachloronitrobenzene	237	8.176	8.176	(0.981)	20860	10.0000	9.5
115 n-Octadecane	57	8.264	8.264	(0.991)	119254	10.0000	9.9
* 83 Phenanthrene-d10	188	8.337	8.337	(1.000)	649123	40.0000	
52 Phenanthrene	178	8.360	8.360	(1.003)	174304	10.0000	9.5
53 Anthracene	178	8.404	8.404	(1.008)	177599	10.0000	9.7
54 Carbazole	167	8.573	8.573	(1.028)	154239	10.0000	9.9
55 Di-n-butylphthalate	149	8.931	8.931	(1.071)	221318	10.0000	9.5
56 Fluoranthene	202	9.519	9.519	(1.142)	185069	10.0000	10
58 Benzidine	184	9.668	9.668	(1.160)	120581	20.0000	34
57 Pyrene	202	9.741	9.741	(0.886)	182472	10.0000	9.2
\$ 78 Terphenyl-d14	244	9.903	9.903	(0.900)	124804	10.0000	9.3
59 Butylbenzylphthalate	149	10.402	10.402	(0.946)	99129	10.0000	10
124 Carbamazepine	193	10.504	10.504	(0.955)	54797	10.0000	8.9
60 3,3'-Dichlorobenzidine	252	10.964	10.964	(0.997)	98762	20.0000	22
61 Benzo(a)anthracene	228	10.979	10.979	(0.998)	150071	10.0000	10
* 81 Chrysene-d12	240	11.000	11.000	(1.000)	529632	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.044	11.044	(1.004)	118558	10.0000	9.4
62 Chrysene	228	11.023	11.023	(1.002)	132910	10.0000	9.8
64 Di-n-octylphthalate	149	11.834	11.834	(0.926)	172669	10.0000	9.2
65 Benzo(b)fluoranthene	252	12.283	12.283	(0.961)	108931	10.0000	8.5
66 Benzo(k)fluoranthene	252	12.320	12.320	(0.964)	128163	10.0000	11
67 Benzo(a)pyrene	252	12.701	12.701	(0.994)	91502	10.0000	9.9
* 84 Perylene-d12	264	12.782	12.782	(1.000)	340601	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.164	14.164	(1.108)	76946	10.0000	8.1(M)
69 Dibenz(a,h)anthracene	278	14.191	14.191	(1.110)	72932	10.0000	9.4
70 Benzo(g,h,i)perylene	276	14.513	14.513	(1.135)	74416	10.0000	8.7

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77570.d
Report Date: 21-Jun-2012 01:37

QC Flag Legend

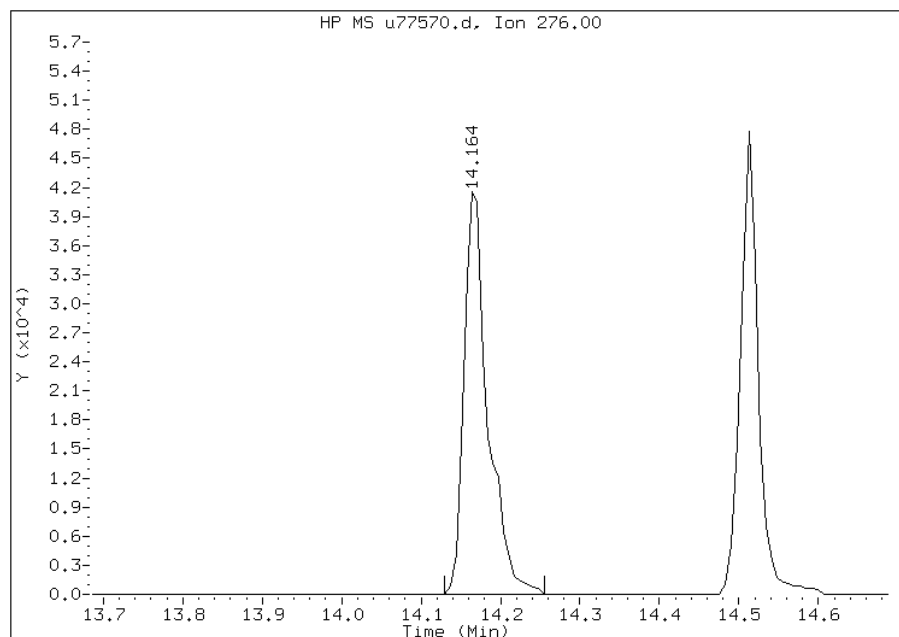
- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Manual Integration Report

Data File: u77570.d
Inj. Date and Time: 20-JUN-2012 17:23
Instrument ID: BNAMS4.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 06/21/2012

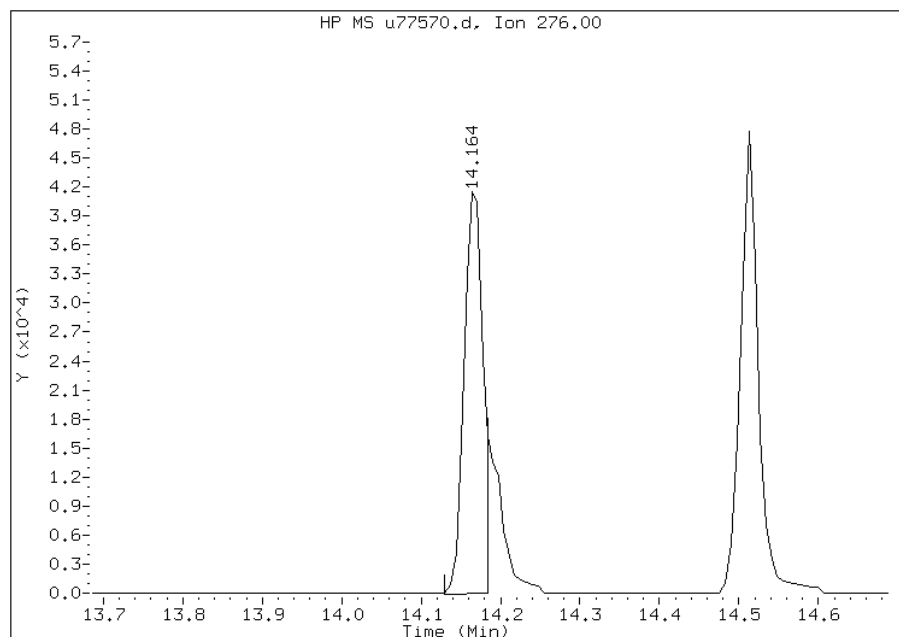
Processing Integration Results

RT: 14.16
Response: 90861
Amount: 10
Conc: 10



Manual Integration Results

RT: 14.16
Response: 76946
Amount: 8
Conc: 8



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77571.d
 Report Date: 21-Jun-2012 01:37

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77571.d
 Lab Smp Id: IC-1519301
 Inj Date : 20-JUN-2012 17:43
 Operator : BNAMS 4
 Smp Info : IC-1519301
 Misc Info : 5
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/8270C_11.m
 Meth Date : 21-Jun-2012 01:37 asfawa
 Cal Date : 20-JUN-2012 17:43
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS4.i
 Quant Type: ISTD
 Cal File: u77571.d
 Calibration Sample, Level: 1
 Compound Sublist: all.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				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.234	1.234	(0.324)	12783	5.00000	5.7
19 N-Nitrosodimethylamine	74	1.440	1.440	(0.378)	20362	5.00000	4.8(a)
71 Pyridine	79	1.462	1.462	(0.384)	34831	5.00000	5.2
\$ 16 2-Fluorophenol (SUR)	112	2.539	2.539	(0.666)	28561	5.00000	4.9(a)
110 Benzaldehyde	77	3.361	3.361	(0.882)	27092	5.00000	8.6
73 Aniline	93	3.472	3.472	(0.911)	50680	5.00000	5.1
\$ 17 Phenol-d5 (SUR)	99	3.464	3.464	(0.909)	42110	5.00000	4.9(a)
1 Phenol	94	3.472	3.472	(0.911)	45560	5.00000	5.0
20 bis(2-Chloroethyl)ether	93	3.546	3.546	(0.931)	3402	0.50000	0.49(a)
2 2-Chlorophenol	128	3.597	3.597	(0.944)	27152	5.00000	5.1
113 n-decane	43	3.663	3.663	(0.961)	48582	5.00000	5.4
21 1,3-Dichlorobenzene	146	3.752	3.752	(0.985)	30524	5.00000	4.9(a)
* 79 1,4-Dichlorobenzene-d4	152	3.810	3.810	(1.000)	170777	40.0000	

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77571.d
 Report Date: 21-Jun-2012 01:37

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.825	3.825	(1.004)	32082	5.00000	5.0
74 Benzyl Alcohol	108	3.963	3.963	(1.040)	20033	5.00000	4.8(a)
23 1,2-Dichlorobenzene	146	3.978	3.978	(1.044)	30666	5.00000	5.0
24 bis (2-chloroisopropyl) ether	45	4.103	4.103	(1.077)	69197	5.00000	5.2
3 2-Methylphenol	108	4.096	4.096	(1.075)	28461	5.00000	4.9(a)
104 Acetophenone	105	4.227	4.227	(1.109)	53691	5.00000	5.4
25 N-Nitroso-di-n-propylamine	70	4.242	4.242	(1.113)	2810	0.50000	0.44(aM)
4 4-Methylphenol	108	4.257	4.257	(1.117)	29662	5.00000	5.0
123 3 & 4 Methylphenol	108	4.257	4.257	(1.117)	29662	5.00000	5.0
26 Hexachloroethane	117	4.323	4.323	(1.134)	1780	0.50000	0.51(M)
\$ 76 Nitrobenzene-d5 (SUR)	82	4.381	4.381	(0.857)	49397	5.00000	5.0
27 Nitrobenzene	77	4.404	4.404	(0.862)	7002	0.50000	0.53
107 N,N-Dimethylaniline	120	4.404	4.404	(1.156)	3487	0.50000	0.44(a)
28 Isophorone	82	4.647	4.647	(0.909)	83305	5.00000	5.0
5 2-Nitrophenol	139	4.727	4.727	(0.925)	14769	5.00000	4.4(a)
6 2,4-Dimethylphenol	122	4.800	4.800	(0.939)	24010	5.00000	4.8(a)
29 bis(2-Chloroethoxy)methane	93	4.888	4.888	(0.957)	41805	5.00000	4.9(a)
7 2,4-Dichlorophenol	162	4.984	4.984	(0.975)	25076	5.00000	4.6(a)
15 Benzoic Acid	122	4.911	4.911	(0.961)	7011	5.00000	2.6(a)
30 1,2,4-Trichlorobenzene	180	5.058	5.058	(0.990)	2525	0.50000	0.42(a)
* 80 Naphthalene-d8	136	5.110	5.110	(1.000)	643822	40.0000	
31 Naphthalene	128	5.133	5.133	(1.004)	74082	5.00000	4.7(a)
32 4-Chloroaniline	127	5.206	5.206	(1.019)	31109	5.00000	4.8(a)
33 Hexachlorobutadiene	225	5.272	5.272	(1.032)	3936	1.00000	0.98(a)
111 Caprolactam	113	5.536	5.536	(1.083)	9663	5.00000	5.3
8 4-Chloro-3-methylphenol	107	5.719	5.719	(1.119)	32800	5.00000	4.9(a)
34 2-Methylnaphthalene	142	5.836	5.836	(1.142)	46815	5.00000	4.5(a)
120 1-Methylnaphthalene	142	5.932	5.932	(1.161)	51793	5.00000	4.8(a)
35 Hexachlorocyclopentadiene	237	6.004	6.004	(0.874)	12240	5.00000	2.8(a)
129 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	(0.875)	31511	5.00000	4.7(a)
121 2-tert-Butyl-4-methylphenol	149	6.071	6.071	(1.188)	40525	5.00000	4.8(a)
9 2,4,6-Trichlorophenol	196	6.137	6.137	(0.893)	19525	5.00000	4.5(a)
10 2,4,5-Trichlorophenol	196	6.173	6.173	(0.898)	21240	5.00000	4.7(a)
\$ 77 2-Fluorobiphenyl (SUR)	172	6.210	6.210	(0.904)	62813	5.00000	4.7(a)
102 Diphenyl	154	6.305	6.305	(0.917)	63491	5.00000	4.5(a)
36 2-Chloronaphthalene	162	6.320	6.320	(0.920)	55432	5.00000	4.7(a)
103 Diphenyl Ether	170	6.416	6.416	(0.934)	37371	5.00000	4.7(a)
37 2-Nitroaniline	65	6.439	6.439	(0.937)	62203	10.0000	10
125 1,3-Dimethylnaphthalene	156	6.542	6.542	(0.952)	39272	5.00000	4.4(a)
38 Dimethylphthalate	163	6.629	6.629	(0.965)	63807	5.00000	4.6(a)
114 Coumarin	146	6.636	6.636	(1.299)	19865	5.00000	4.8(a)
40 2,6-Dinitrotoluene	165	6.680	6.680	(0.972)	2980	1.00000	0.91(a)
39 Acenaphthylene	152	6.724	6.724	(0.978)	83972	5.00000	4.8(a)
41 3-Nitroaniline	138	6.850	6.850	(0.997)	29931	10.0000	9.6(a)
* 82 Acenaphthene-d10	164	6.872	6.872	(1.000)	417026	40.0000	
42 Acenaphthene	154	6.902	6.902	(1.004)	46830	5.00000	4.4(a)
122 2,6-Di-tert-butyl-p-cresol	205	6.917	6.917	(1.007)	46995	5.00000	4.8(a)

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77571.d
Report Date: 21-Jun-2012 01:37

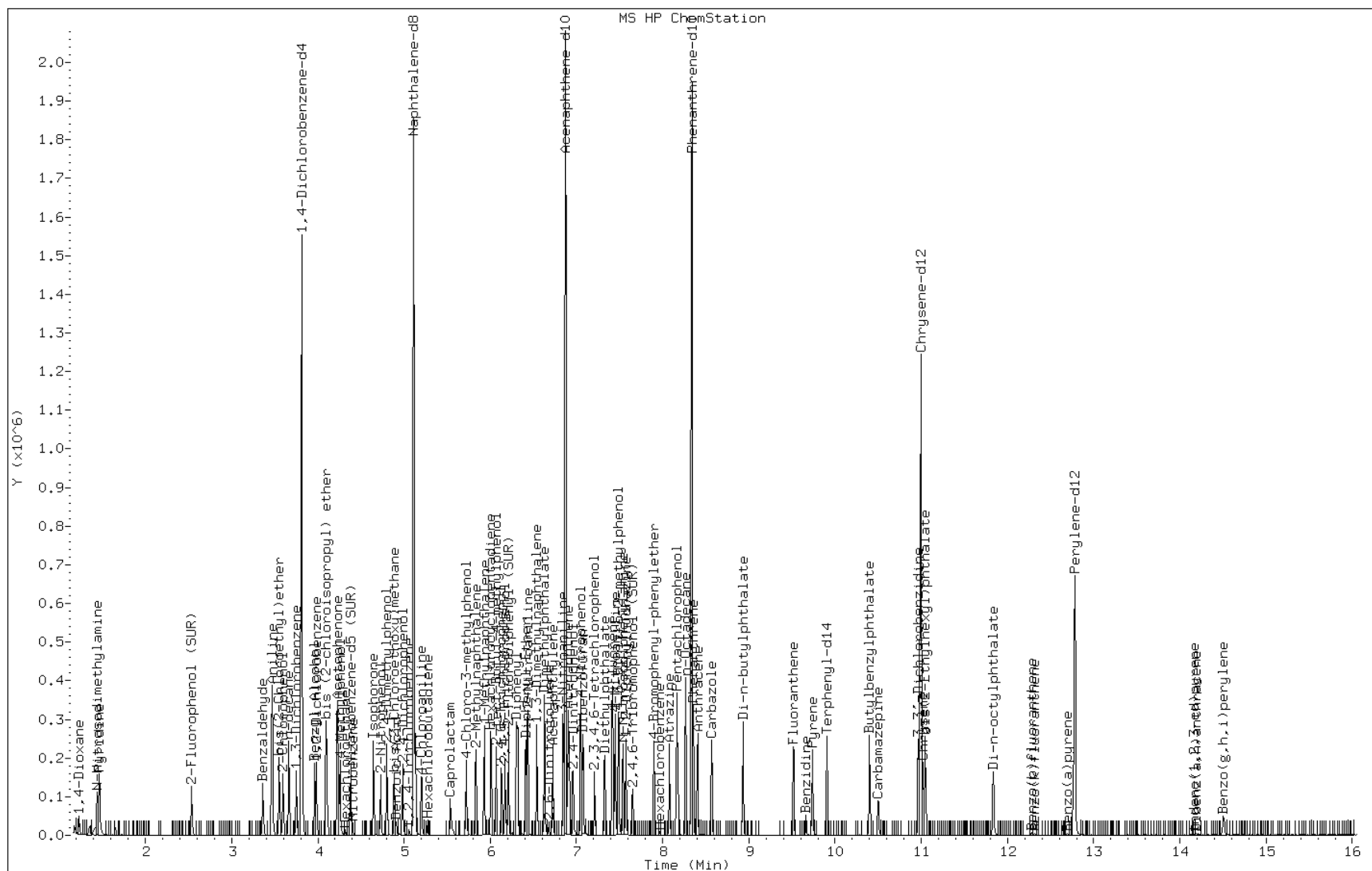
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.961	6.961	(1.013)	19521	15.0000	10(a)
12 4-Nitrophenol	65	7.049	7.049	(1.026)	61719	15.0000	15
43 Dibenzofuran	168	7.072	7.072	(1.029)	76408	5.00000	4.6(a)
44 2,4-Dinitrotoluene	165	7.086	7.086	(1.031)	3692	1.00000	0.85(aM)
130 2,3,4,6-Tetrachlorophenol	232	7.211	7.211	(1.049)	15721	5.00000	4.6(a)
45 Diethylphthalate	149	7.329	7.329	(1.067)	71819	5.00000	5.0
47 Fluorene	166	7.410	7.410	(1.078)	61814	5.00000	4.8(a)
46 4-Chlorophenyl-phenylether	204	7.418	7.418	(1.079)	31106	5.00000	4.7(a)
48 4-Nitroaniline	138	7.447	7.447	(1.084)	28552	10.0000	10
13 4,6-Dinitro-2-methylphenol	198	7.492	7.492	(0.898)	34734	15.0000	13(a)
49 N-Nitrosodiphenylamine	169	7.543	7.543	(0.905)	44524	5.00000	5.0
75 1,2-Diphenylhydrazine	77	7.573	7.573	(0.908)	99545	5.00000	4.2(a)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.654	7.654	(1.114)	12033	5.00000	4.6(a)
50 4-Bromophenyl-phenylether	248	7.897	7.897	(0.947)	18593	5.00000	4.8(a)
51 Hexachlorobenzene	284	7.963	7.963	(0.955)	2269	0.50000	0.47(aM)
112 Atrazine	200	8.081	8.081	(0.969)	18986	5.00000	5.2
14 Pentachlorophenol	266	8.162	8.162	(0.979)	33841	15.0000	12(a)
132 Pentachloronitrobenzene	237	8.177	8.177	(0.981)	11546	5.00000	5.0
115 n-Octadecane	57	8.264	8.264	(0.991)	63578	5.00000	5.1
* 83 Phenanthrene-d10	188	8.339	8.339	(1.000)	673963	40.0000	
52 Phenanthrene	178	8.354	8.354	(1.002)	89240	5.00000	4.7(a)
53 Anthracene	178	8.406	8.406	(1.008)	92235	5.00000	4.9(a)
54 Carbazole	167	8.569	8.569	(1.028)	80763	5.00000	5.0
55 Di-n-butylphthalate	149	8.930	8.930	(1.071)	120532	5.00000	5.0
56 Fluoranthene	202	9.522	9.522	(1.142)	96451	5.00000	5.0
58 Benzidine	184	9.662	9.662	(1.159)	22709	5.00000	5.8
57 Pyrene	202	9.735	9.735	(0.885)	94880	5.00000	4.9(a)
\$ 78 Terphenyl-d14	244	9.904	9.904	(0.901)	61904	5.00000	4.7(a)
59 Butylbenzylphthalate	149	10.400	10.400	(0.946)	50985	5.00000	5.2
124 Carbamazepine	193	10.496	10.496	(0.955)	25871	5.00000	4.4(a)
60 3,3'-Dichlorobenzidine	252	10.964	10.964	(0.997)	52428	10.0000	12
61 Benzo(a)anthracene	228	10.979	10.979	(0.999)	9278	0.50000	0.60
* 81 Chrysene-d12	240	10.994	10.994	(1.000)	524146	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	11.046	11.046	(1.005)	63345	5.00000	5.0
62 Chrysene	228	11.024	11.024	(1.003)	66698	5.00000	5.0
64 Di-n-octylphthalate	149	11.834	11.834	(0.926)	92249	5.00000	4.8(a)
65 Benzo(b)fluoranthene	252	12.282	12.282	(0.961)	4469	0.50000	0.34(aM)
66 Benzo(k)fluoranthene	252	12.319	12.319	(0.964)	5624	0.50000	0.47(aM)
67 Benzo(a)pyrene	252	12.695	12.695	(0.993)	3698	0.50000	0.40(aM)
* 84 Perylene-d12	264	12.783	12.783	(1.000)	352697	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	14.162	14.162	(1.108)	3247	0.50000	0.33(aM)
69 Dibenz(a,h)anthracene	278	14.192	14.192	(1.110)	2866	0.50000	0.36(aM)
70 Benzo(g,h,i)perylene	276	14.513	14.513	(1.135)	38538	5.00000	4.5(a)

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77571.d
Report Date: 21-Jun-2012 01:37

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Operator: BNAMS 4



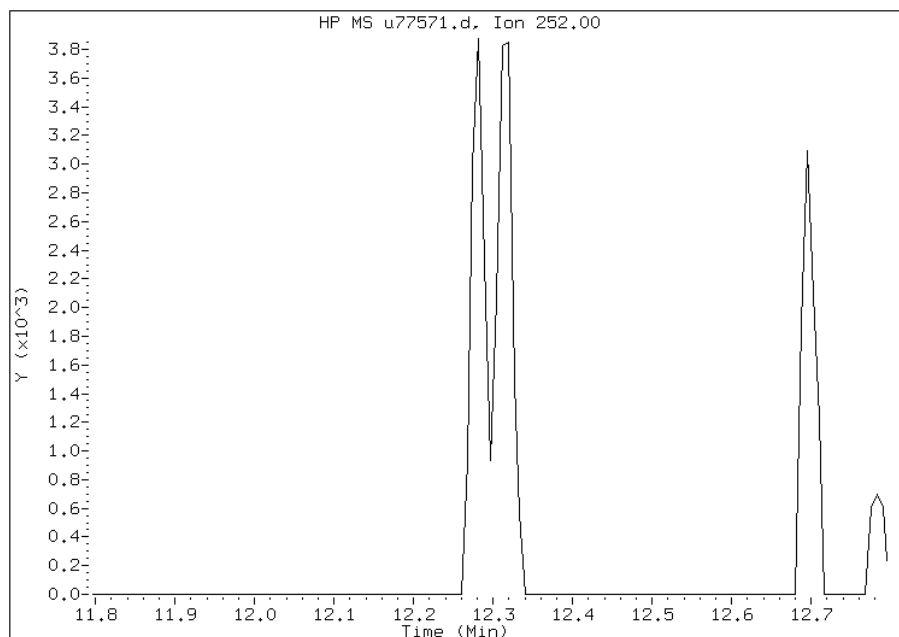
Manual Integration Report

Data File: u77571.d
Inj. Date and Time: 20-JUN-2012 17:43
Instrument ID: BNAMS4.i
Client ID:
Compound: 65 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 06/21/2012

Processing Integration Results

Not Detected

Expected RT: 12.30



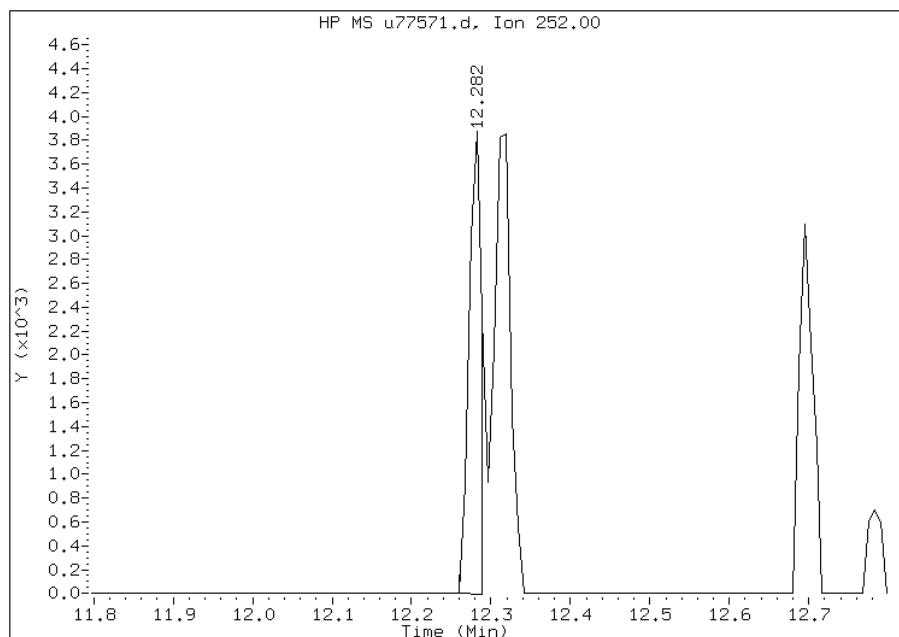
Manual Integration Results

RT: 12.28

Response: 4469

Amount: 0

Conc: 0



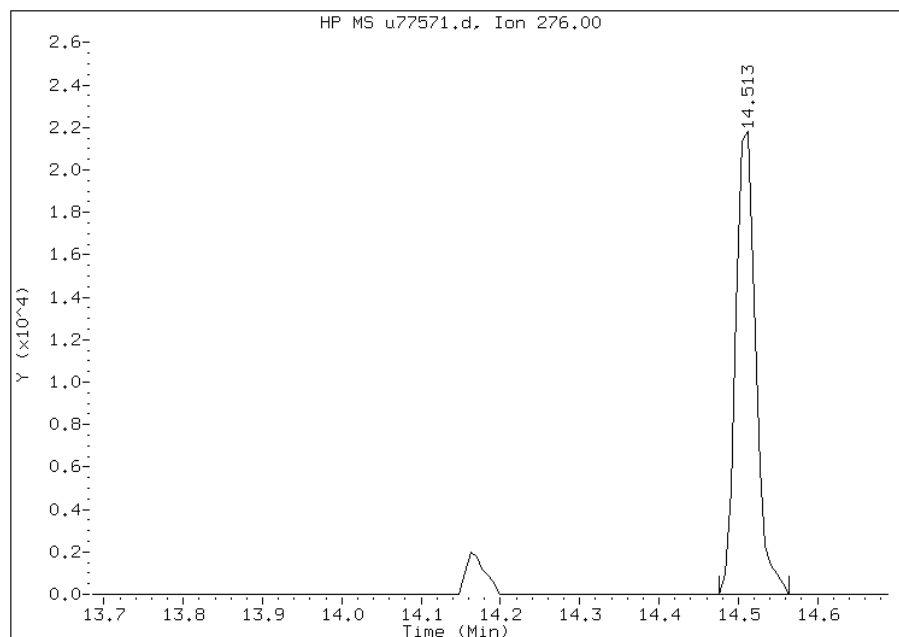
Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: u77571.d
Inj. Date and Time: 20-JUN-2012 17:43
Instrument ID: BNAMS4.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 06/21/2012

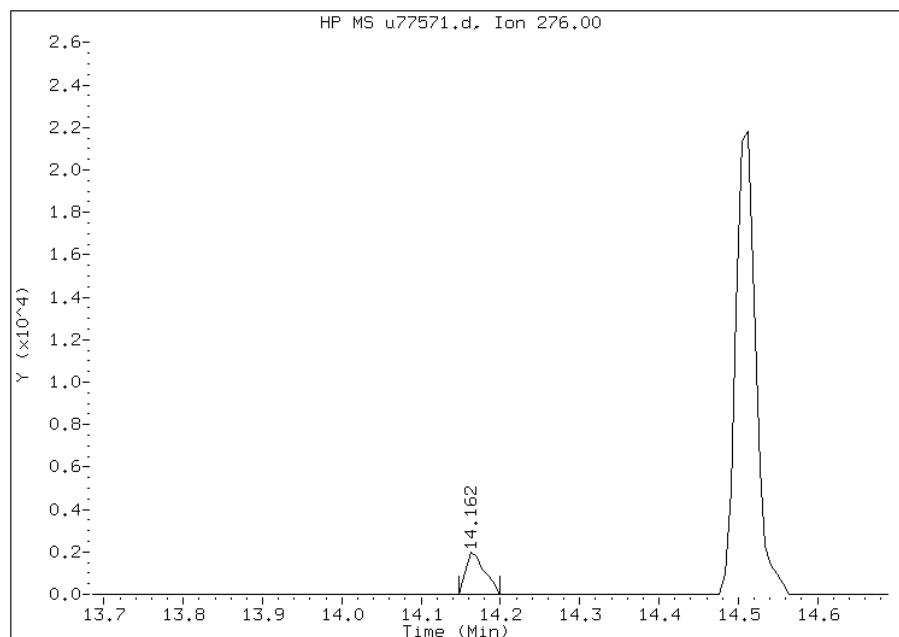
Processing Integration Results

RT: 14.51
Response: 38538
Amount: 2
Conc: 2



Manual Integration Results

RT: 14.16
Response: 3247
Amount: 0
Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

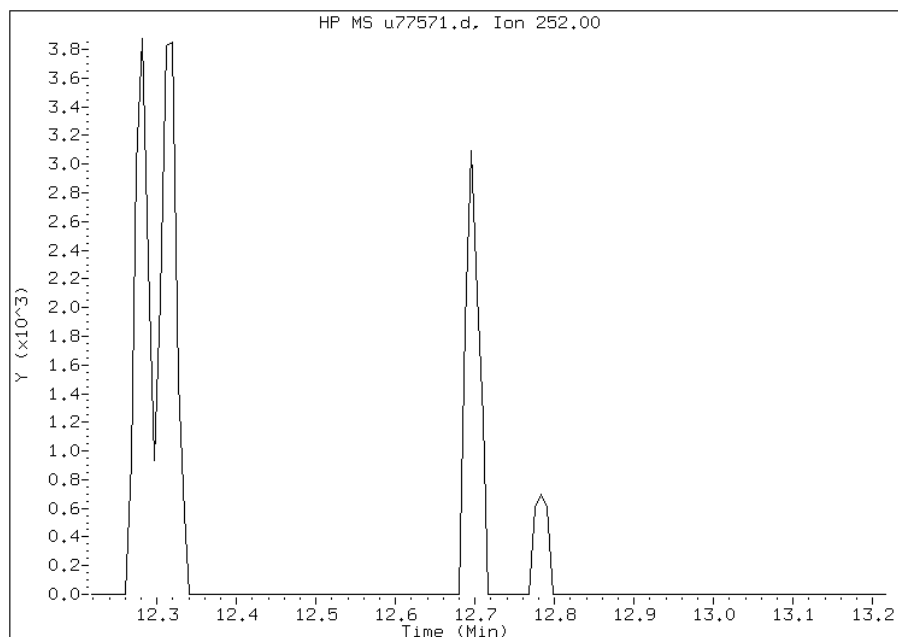
Manual Integration Report

Data File: u77571.d
Inj. Date and Time: 20-JUN-2012 17:43
Instrument ID: BNAMS4.i
Client ID:
Compound: 67 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 06/21/2012

Processing Integration Results

Not Detected

Expected RT: 12.72



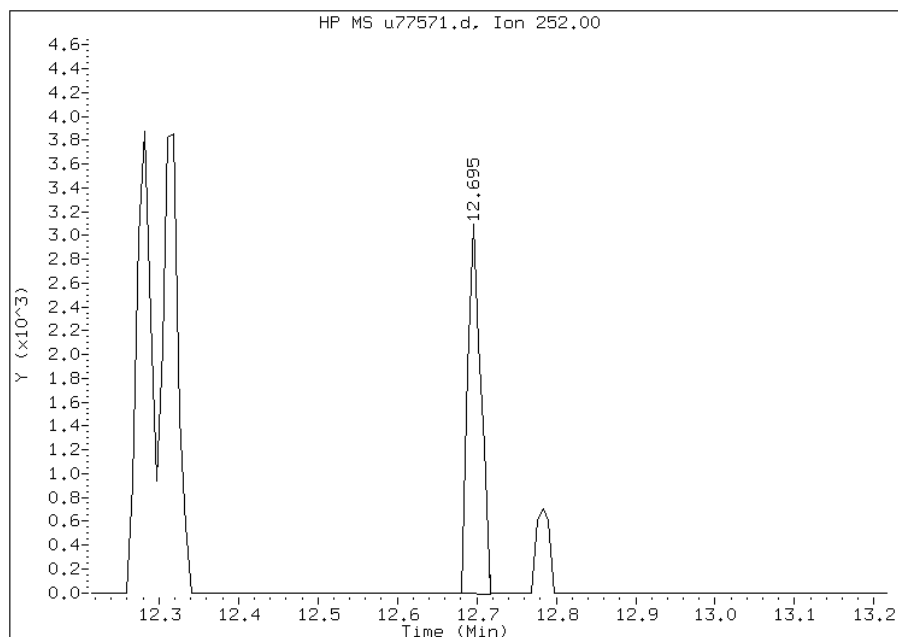
Manual Integration Results

RT: 12.70

Response: 3698

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

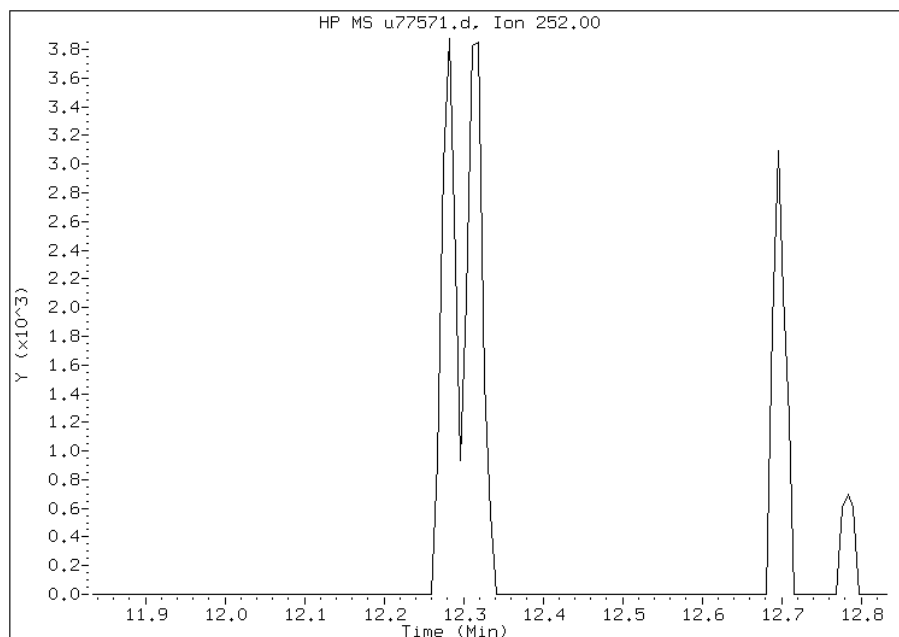
Manual Integration Report

Data File: u77571.d
Inj. Date and Time: 20-JUN-2012 17:43
Instrument ID: BNAMS4.i
Client ID:
Compound: 66 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 06/21/2012

Processing Integration Results

Not Detected

Expected RT: 12.33



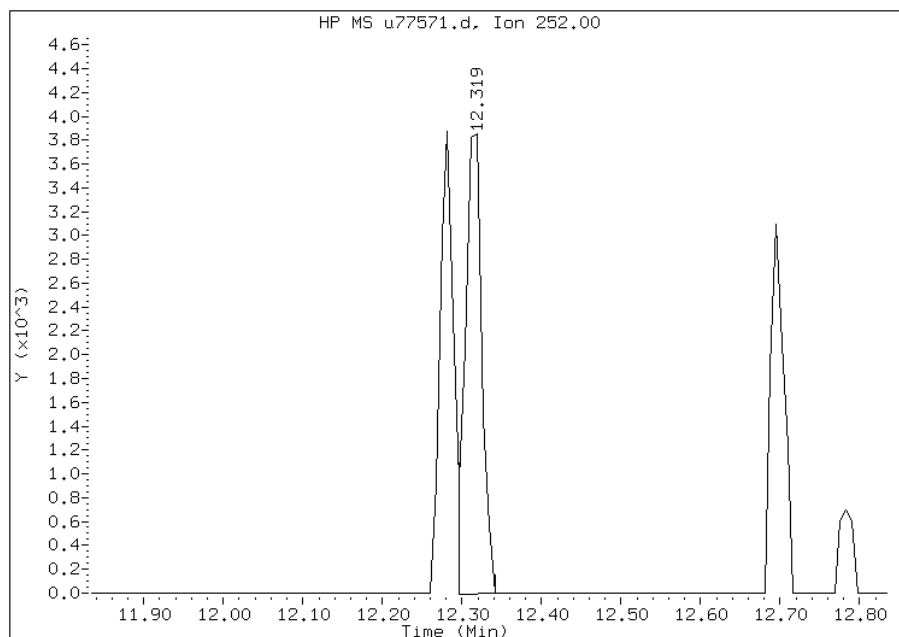
Manual Integration Results

RT: 12.32

Response: 5624

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

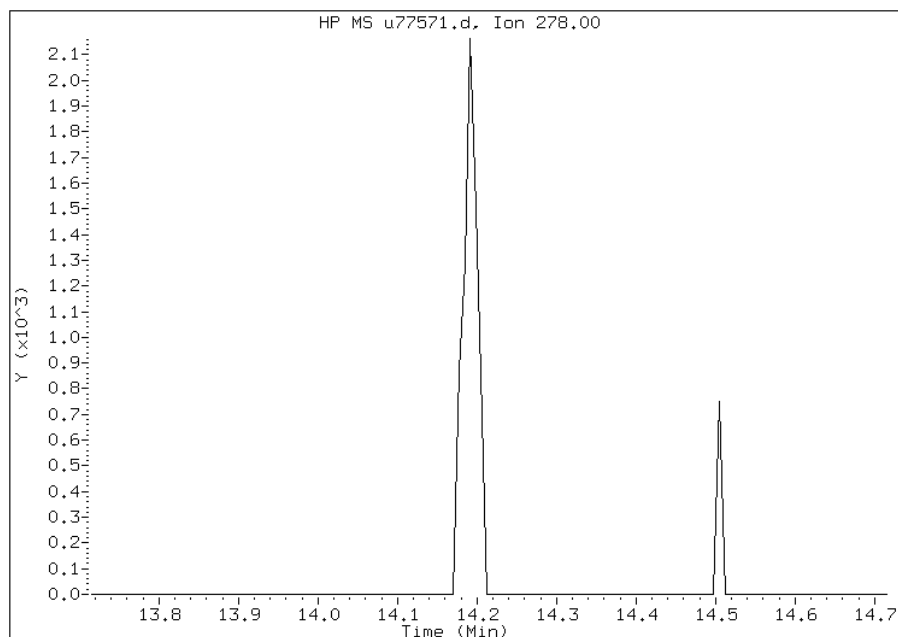
Manual Integration Report

Data File: u77571.d
Inj. Date and Time: 20-JUN-2012 17:43
Instrument ID: BNAMS4.i
Client ID:
Compound: 69 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 06/21/2012

Processing Integration Results

Not Detected

Expected RT: 14.22



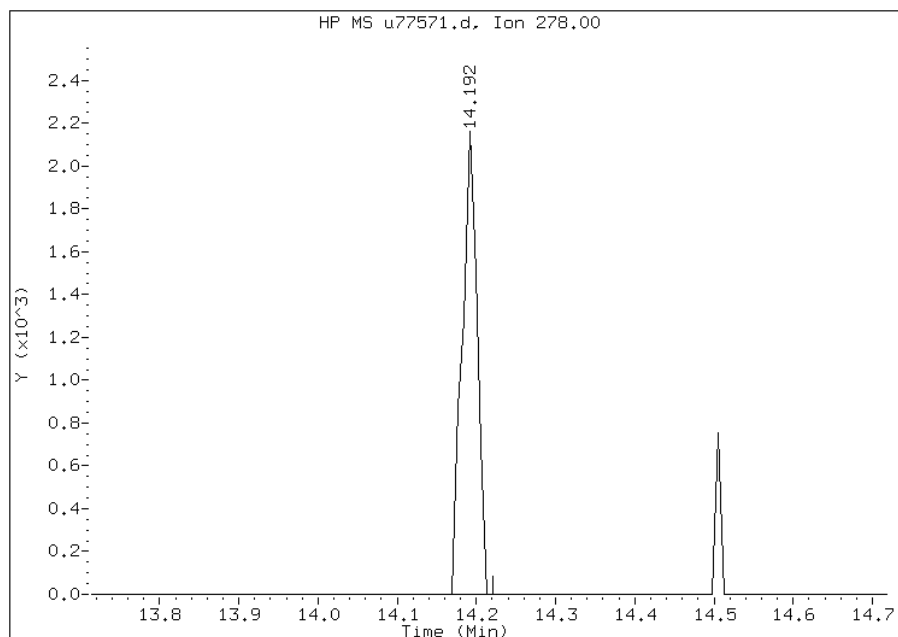
Manual Integration Results

RT: 14.19

Response: 2866

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

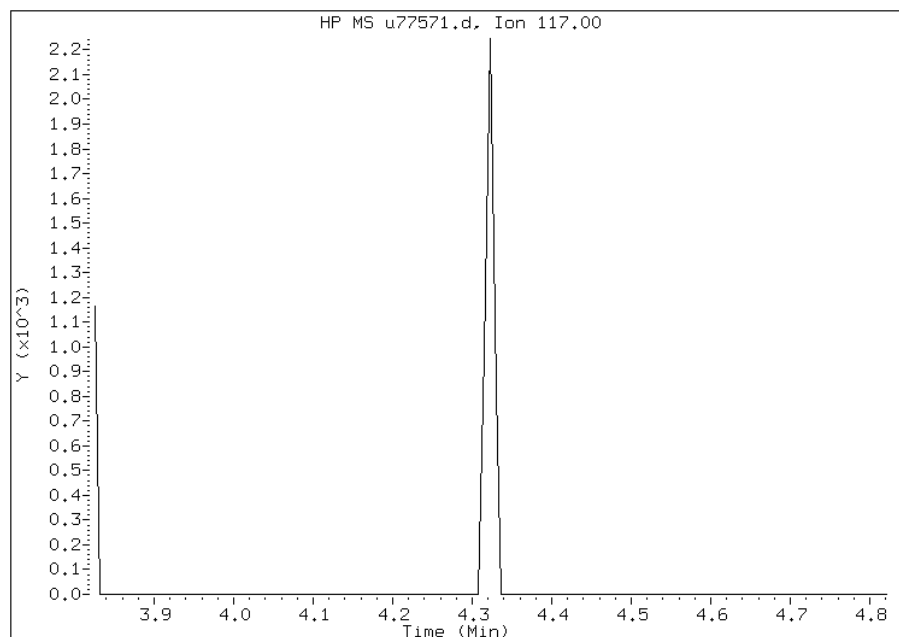
Manual Integration Report

Data File: u77571.d
Inj. Date and Time: 20-JUN-2012 17:43
Instrument ID: BNAMS4.i
Client ID:
Compound: 26 Hexachloroethane
CAS #: 67-72-1
Report Date: 06/21/2012

Processing Integration Results

Not Detected

Expected RT: 4.32



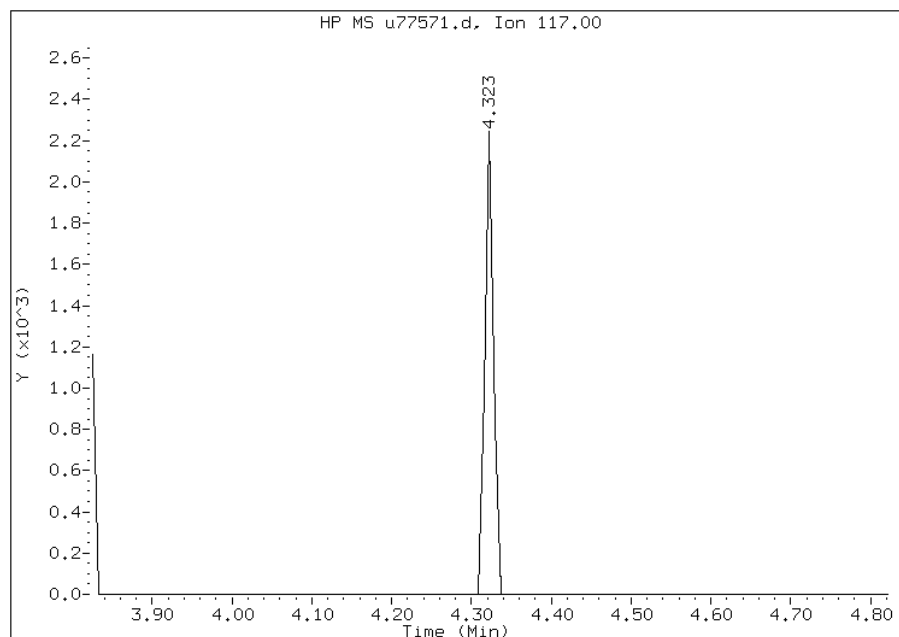
Manual Integration Results

RT: 4.32

Response: 1780

Amount: 1

Conc: 1



Manually Integrated By: wahied
Manual Integration Reason:

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-117976/2 Calibration Date: 06/26/2012 08:41
 Instrument ID: BNAMS11 Calib Start Date: 06/24/2012 23:52
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 06/25/2012 01:50
 Lab File ID: z19059.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5831	0.5175		44400	50000	-11.3	20.0
N-Nitrosodimethylamine	Ave	0.8056	0.7849		48700	50000	-2.6	20.0
Pyridine	Ave	1.441	1.345		46700	50000	-6.7	20.0
Benzaldehyde	Ave	0.5538	0.2724		24600	50000	-50.8*	20.0
Aniline	Ave	1.882	2.049		54400	50000	8.9	20.0
Phenol	Ave	1.785	1.847		51700	50000	3.5	20.0
Bis(2-chloroethyl)ether	Ave	1.486	1.422		47800	50000	-4.3	20.0
2-Chlorophenol	Ave	1.479	1.591		53800	50000	7.5	20.0
Decane	Ave	1.567	1.463		46700	50000	-6.6	20.0
1,3-Dichlorobenzene	Ave	1.582	1.591		50300	50000	0.6	20.0
1,4-Dichlorobenzene	Ave	1.600	1.605		50200	50000	0.3	20.0
1,2-Dichlorobenzene	Ave	1.475	1.468		49800	50000	-0.4	20.0
Benzyl alcohol	Ave	0.7988	0.8757		54800	50000	9.6	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.874	1.814		48400	50000	-3.2	20.0
2-Methylphenol	Ave	1.192	1.278		53600	50000	7.2	20.0
Acetophenone	Ave	1.776	1.809		50900	50000	1.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.8914	0.9575	0.0500	53700	50000	7.4	20.0
3 & 4 Methylphenol	Ave	1.168	1.278		54700	50000	9.4	20.0
4-Methylphenol	Ave	1.168	1.274		54600	50000	9.1	20.0
Hexachloroethane	Ave	0.6036	0.6215		51500	50000	3.0	20.0
Nitrobenzene	Ave	0.4776	0.4782		50100	50000	0.1	20.0
n,n'-Dimethylaniline	Ave	1.993	2.059		51600	50000	3.3	20.0
Isophorone	Ave	0.5957	0.6121		51400	50000	2.7	20.0
2-Nitrophenol	Ave	0.2004	0.2103		52500	50000	4.9	20.0
2,4-Dimethylphenol	Ave	0.3057	0.3330		54500	50000	8.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.3799	0.3948		52000	50000	3.9	20.0
2,4-Dichlorophenol	Ave	0.2687	0.2825		52600	50000	5.1	20.0
Benzoic acid	QuaF	0.1439	0.1794		59600	50000	19.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3062	0.3064		50000	50000	0.0	20.0
Naphthalene	Ave	1.051	1.054		50200	50000	0.3	20.0
4-Chloroaniline	Ave	0.3850	0.3926		51000	50000	2.0	20.0
Hexachlorobutadiene	Ave	0.1677	0.1610		48000	50000	-4.0	20.0
Caprolactam	Ave	0.0746	0.0772		51700	50000	3.5	20.0
4-Chloro-3-methylphenol	Ave	0.2530	0.2618		51700	50000	3.4	20.0
2-Methylnaphthalene	Ave	0.6396	0.6516		50900	50000	1.9	20.0
1-Methylnaphthalene	Ave	0.6562	0.6715		51200	50000	2.3	20.0
Hexachlorocyclopentadiene	LinF	0.2907	0.2969	0.0500	44700	50000	-10.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5662	0.5763		50900	50000	1.8	20.0
2-tertbutyl-4-methylphenol	Ave	0.4180	0.4423		52900	50000	5.8	20.0
2,4,6-Trichlorophenol	Ave	0.3805	0.3884		51000	50000	2.1	20.0
2,4,5-Trichlorophenol	Ave	0.3736	0.4078		54600	50000	9.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Lab Sample ID: CCVIS 460-117976/2 Calibration Date: 06/26/2012 08:41

Instrument ID: BNAMS11 Calib Start Date: 06/24/2012 23:52

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 06/25/2012 01:50

Lab File ID: z19059.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diphenyl	Ave	1.506	1.519		50400	50000	0.9	20.0
2-Chloronaphthalene	Ave	1.136	1.122		49400	50000	-1.3	20.0
Diphenyl ether	Ave	0.8379	0.8432		50300	50000	0.6	20.0
2-Nitroaniline	Ave	0.3331	0.3507		52600	50000	5.3	20.0
Dimethylnaphthalene, total	Ave	1.009	1.036		51300	50000	2.6	20.0
Coumarin	Ave	0.1809	0.1883		52100	50000	4.1	20.0
Dimethyl phthalate	Ave	1.147	1.160		50500	50000	1.1	20.0
2,6-Dinitrotoluene	Ave	0.2660	0.2790		52400	50000	4.9	20.0
Acenaphthylene	Ave	1.835	1.828		49800	50000	-0.4	20.0
3-Nitroaniline	Ave	0.2796	0.2868		51300	50000	2.5	20.0
Acenaphthene	Ave	1.085	1.104		50900	50000	1.7	20.0
3,5-di-tert-butyl-4-hydroxyt ol	Ave	0.9673	1.005		51900	50000	3.9	20.0
2,4-Dinitrophenol	QuaF	0.1170	0.1419	0.0500	56100	50000	12.2	20.0
4-Nitrophenol	Ave	0.1816	0.1977	0.0500	54500	50000	8.9	20.0
Dibenzofuran	Ave	1.514	1.522		50300	50000	0.5	20.0
2,4-Dinitrotoluene	Ave	0.3272	0.3406		52000	50000	4.1	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2386	0.2503		52400	50000	4.9	20.0
Diethyl phthalate	Ave	1.100	1.119		50900	50000	1.7	20.0
Fluorene	Ave	1.203	1.217		50600	50000	1.1	20.0
4-Chlorophenyl phenyl ether	Ave	0.5638	0.5812		51500	50000	3.1	20.0
4-Nitroaniline	Ave	0.2239	0.2384		53200	50000	6.5	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1282	0.1467		57200	50000	14.4	20.0
N-Nitrosodiphenylamine	Ave	0.6132	0.6344		51700	50000	3.5	20.0
1,2-Diphenylhydrazine	Ave	1.049	1.084		51700	50000	3.3	20.0
4-Bromophenyl phenyl ether	Ave	0.2305	0.2403		52100	50000	4.2	20.0
Hexachlorobenzene	Ave	0.2409	0.2503		52000	50000	3.9	20.0
Atrazine	Ave	0.1953	0.2016		51600	50000	3.2	20.0
Pentachlorophenol	Ave	0.1295	0.1461		56400	50000	12.8	20.0
Pentachloronitrobenzene	Ave	0.0924	0.0915		49500	50000	-1.0	
n-Octadecane	Ave	0.5678	0.5835		51400	50000	2.8	20.0
Phenanthrene	Ave	1.092	1.092		50000	50000	0.0	20.0
Anthracene	Ave	1.101	1.110		50400	50000	0.8	20.0
Carbazole	Ave	0.8911	0.8864		49700	50000	-0.5	20.0
Di-n-butyl phthalate	Ave	1.140	1.175		51600	50000	3.1	20.0
Fluoranthene	Ave	0.9163	0.9088		49600	50000	-0.8	20.0
Benzidine	Ave	0.1371	0.0295		10700	50000	-78.5*	20.0
Pyrene	Ave	1.889	2.056		54400	50000	8.9	20.0
Butyl benzyl phthalate	Ave	0.7273	0.8037		55300	50000	10.5	20.0
2,3,7,8-TCDD (Screen)	Ave	0.2031	0.2234		550	500	10.0	20.0
Carbamazepine	LinF	0.4039	0.4650		48300	50000	-3.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-117976/2 Calibration Date: 06/26/2012 08:41
 Instrument ID: BNAMS11 Calib Start Date: 06/24/2012 23:52
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 06/25/2012 01:50
 Lab File ID: z19059.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	Ave	0.3298	0.2871		43500	50000	-13.0	20.0
Benzo[a]anthracene	Ave	1.217	1.179		48400	50000	-3.1	20.0
Chrysene	Ave	1.162	1.202		51700	50000	3.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9498	1.068		56200	50000	12.4	20.0
Di-n-octyl phthalate	QuaF	2.067	2.307		53600	50000	7.2	20.0
Benzo[b]fluoranthene	Ave	1.360	1.306		48000	50000	-4.0	20.0
Benzo[k]fluoranthene	Ave	1.554	1.457		46900	50000	-6.3	20.0
Benzo[a]pyrene	Ave	1.074	1.063		49500	50000	-1.0	20.0
Indeno[1,2,3-cd]pyrene	LinF	0.7394	0.6537		36700	50000	-26.6*	20.0
Dibenz(a,h)anthracene	LinF	0.8050	0.7547		40100	50000	-19.8	20.0
Benzo[g,h,i]perylene	Ave	0.8413	0.7562		44900	50000	-10.1	20.0
2-Fluorophenol	Ave	1.324	1.345		50800	50000	1.6	20.0
Phenol-d5	Ave	1.560	1.638		52500	50000	5.0	20.0
Nitrobenzene-d5	Ave	0.3706	0.3792		51200	50000	2.3	20.0
2-Fluorobiphenyl	Ave	1.406	1.413		50200	50000	0.5	20.0
2,4,6-Tribromophenol	Ave	0.1517	0.1591		52400	50000	4.9	20.0
Terphenyl-d14	Ave	1.257	1.376		54700	50000	9.5	20.0

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19059.d
 Report Date: 26-Jun-2012 09:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19059.d
 Lab Smp Id: CCVIS-1519304
 Inj Date : 26-JUN-2012 08:41
 Operator : BNAMS 4
 Smp Info : CCVIS-1519304
 Misc Info : 50 ppm bna 4672
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/8270C_11.m
 Meth Date : 26-Jun-2012 09:07 croccom Quant Type: ISTD
 Cal Date : 25-JUN-2012 01:50 Cal File: z19018.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 * Uf*1000*Vt/(Ws*(100-M)/100) * 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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	0.991	0.991 (0.291)		154096	50.0000	44
19 N-Nitrosodimethylamine		74	1.185	1.185 (0.348)		233722	50.0000	49
71 Pyridine		79	1.202	1.202 (0.353)		400420	50.0000	47
\$ 16 2-Fluorophenol (SUR)		112	2.179	2.179 (0.639)		400541	50.0000	51
110 Benzaldehyde		77	2.955	2.955 (0.867)		81105	50.0000	24
\$ 17 Phenol-d5 (SUR)		99	3.091	3.091 (0.907)		487771	50.0000	52
1 Phenol		94	3.108	3.108 (0.912)		549932	50.0000	52
73 Aniline		93	3.079	3.079 (0.903)		610003	50.0000	54
20 bis(2-Chloroethyl)ether		93	3.167	3.167 (0.929)		423466	50.0000	48
2 2-Chlorophenol		128	3.202	3.202 (0.940)		473672	50.0000	54
113 n-decane		43	3.273	3.273 (0.960)		435707	50.0000	47
21 1,3-Dichlorobenzene		146	3.349	3.349 (0.983)		473883	50.0000	50
* 79 1,4-Dichlorobenzene-d4		152	3.408	3.408 (1.000)		238216	40.0000	

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19059.d
Report Date: 26-Jun-2012 09:07

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.426	3.426	(1.005)	478055	50.0000	50
74 Benzyl Alcohol	108	3.585	3.585	(1.052)	260764	50.0000	55
23 1,2-Dichlorobenzene	146	3.579	3.579	(1.050)	437237	50.0000	50
3 2-Methylphenol	108	3.720	3.720	(1.091)	380539	50.0000	54
24 bis (2-chloroisopropyl) ether	45	3.720	3.720	(1.091)	540199	50.0000	48
4 4-Methylphenol	108	3.896	3.896	(1.143)	379382	50.0000	54
123 3 & 4 Methylphenol	108	3.896	3.896	(1.143)	380493	50.0000	55
104 Acetophenone	105	3.849	3.849	(1.129)	538539	50.0000	51
25 N-Nitroso-di-n-propylamine	70	3.873	3.873	(1.136)	285119	50.0000	54
26 Hexachloroethane	117	3.920	3.920	(1.150)	185056	50.0000	51
\$ 76 Nitrobenzene-d5 (SUR)	82	3.996	3.996	(0.848)	431978	50.0000	51
27 Nitrobenzene	77	4.020	4.020	(0.853)	544808	50.0000	50
107 N,N-Dimethylaniline	120	4.026	4.026	(1.181)	612960	50.0000	52
28 Isophorone	82	4.273	4.273	(0.906)	697289	50.0000	51
5 2-Nitrophenol	139	4.338	4.338	(0.920)	239544	50.0000	52
6 2,4-Dimethylphenol	122	4.426	4.426	(0.939)	379404	50.0000	54
29 bis(2-Chloroethoxy)methane	93	4.514	4.514	(0.958)	449800	50.0000	52
15 Benzoic Acid	122	4.643	4.643	(0.985)	204332	50.0000	60
7 2,4-Dichlorophenol	162	4.596	4.596	(0.975)	321788	50.0000	52
30 1,2,4-Trichlorobenzene	180	4.667	4.667	(0.990)	349081	50.0000	50
* 80 Naphthalene-d8	136	4.714	4.714	(1.000)	911399	40.0000	
31 Naphthalene	128	4.738	4.738	(1.005)	1201033	50.0000	50
32 4-Chloroaniline	127	4.814	4.814	(1.021)	447277	50.0000	51
33 Hexachlorobutadiene	225	4.879	4.879	(1.035)	183399	50.0000	48
111 Caprolactam	113	5.238	5.238	(1.111)	87896	50.0000	52
8 4-Chloro-3-methylphenol	107	5.349	5.349	(1.135)	298216	50.0000	52
34 2-Methylnaphthalene	142	5.438	5.438	(1.153)	742313	50.0000	51
120 1-Methylnaphthalene	142	5.532	5.532	(1.173)	765019	50.0000	51
35 Hexachlorocyclopentadiene	237	5.602	5.602	(0.867)	158124	50.0000	45
129 1,2,4,5-Tetrachlorobenzene	216	5.608	5.608	(0.868)	306962	50.0000	51
121 2-tert-Butyl-4-methylphenol	149	5.690	5.690	(1.207)	503921	50.0000	53
9 2,4,6-Trichlorophenol	196	5.737	5.737	(0.888)	206863	50.0000	51
10 2,4,5-Trichlorophenol	196	5.779	5.779	(0.894)	217233	50.0000	54
\$ 77 2-Fluorobiphenyl (SUR)	172	5.820	5.820	(0.901)	752511	50.0000	50
102 Diphenyl	154	5.908	5.908	(0.914)	809155	50.0000	50
36 2-Chloronaphthalene	162	5.920	5.920	(0.916)	597554	50.0000	49
103 Diphenyl Ether	170	6.014	6.014	(0.931)	449131	50.0000	50
37 2-Nitroaniline	65	6.037	6.037	(0.934)	186811	50.0000	53
125 1,3-Dimethylnaphthalene	156	6.137	6.137	(0.950)	551603	50.0000	51
38 Dimethylphthalate	163	6.243	6.243	(0.966)	617838	50.0000	50
114 Coumarin	146	6.237	6.237	(1.323)	214559	50.0000	52
40 2,6-Dinitrotoluene	165	6.290	6.290	(0.974)	148605	50.0000	52
39 Acenaphthylene	152	6.320	6.320	(0.978)	973453	50.0000	50
41 3-Nitroaniline	138	6.449	6.449	(0.998)	152745	50.0000	51
* 82 Acenaphthene-d10	164	6.461	6.461	(1.000)	426122	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	6.520	6.520	(1.009)	535265	50.0000	52
42 Acenaphthene	154	6.490	6.490	(1.005)	587933	50.0000	51

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19059.d
 Report Date: 26-Jun-2012 09:07

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.555	6.555	(1.015)	75562	50.0000	56
12 4-Nitrophenol	65	6.655	6.655	(1.030)	105316	50.0000	54
44 2,4-Dinitrotoluene	165	6.679	6.679	(1.034)	181404	50.0000	52
43 Dibenzofuran	168	6.661	6.661	(1.031)	810774	50.0000	50
130 2,3,4,6-Tetrachlorophenol	232	6.796	6.796	(1.052)	133294	50.0000	52
45 Diethylphthalate	149	6.937	6.937	(1.074)	595979	50.0000	51
46 4-Chlorophenyl-phenylether	204	7.008	7.008	(1.085)	309571	50.0000	52
47 Fluorene	166	6.996	6.996	(1.083)	648199	50.0000	50
48 4-Nitroaniline	138	7.049	7.049	(1.091)	126981	50.0000	53
13 4,6-Dinitro-2-methylphenol	198	7.079	7.079	(0.896)	98770	50.0000	57
49 N-Nitrosodiphenylamine	169	7.137	7.137	(0.904)	426992	50.0000	52
75 1,2-Diphenylhydrazine	77	7.167	7.167	(0.908)	729437	50.0000	52
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.231	7.231	(1.119)	84729	50.0000	52
50 4-Bromophenyl-phenylether	248	7.484	7.484	(0.948)	161738	50.0000	52
51 Hexachlorobenzene	284	7.531	7.531	(0.954)	168495	50.0000	52
112 Atrazine	200	7.684	7.684	(0.973)	135685	50.0000	52
14 Pentachlorophenol	266	7.731	7.731	(0.979)	98346	50.0000	56
132 Pentachloronitrobenzene	237	7.749	7.749	(0.981)	61567	50.0000	50
115 n-Octadecane	57	7.867	7.867	(0.996)	392787	50.0000	51
* 83 Phenanthrene-d10	188	7.896	7.896	(1.000)	538487	40.0000	
52 Phenanthrene	178	7.920	7.920	(1.003)	735263	50.0000	50
53 Anthracene	178	7.973	7.973	(1.010)	746981	50.0000	50
54 Carbazole	167	8.137	8.137	(1.031)	596656	50.0000	50
55 Di-n-butylphthalate	149	8.520	8.520	(1.079)	791148	50.0000	52
56 Fluoranthene	202	9.067	9.067	(1.148)	611739	50.0000	50
58 Benzidine	184	9.220	9.220	(1.168)	19837	50.0000	11
57 Pyrene	202	9.284	9.284	(0.887)	589926	50.0000	54
\$ 78 Terphenyl-d14	244	9.467	9.467	(0.904)	394606	50.0000	55
59 Butylbenzylphthalate	149	9.961	9.961	(0.951)	230567	50.0000	55
109 2,3,7,8-TCDD (Screen)	320	10.020	10.020	(0.957)	641	0.50000	0.55
124 Carbamazepine	193	10.037	10.037	(0.958)	133386	50.0000	48
60 3,3'-Dichlorobenzidine	252	10.461	10.461	(0.999)	82354	50.0000	44
61 Benzo(a)anthracene	228	10.461	10.461	(0.999)	338270	50.0000	48
* 81 Chrysene-d12	240	10.472	10.472	(1.000)	229505	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.561	10.561	(1.008)	306277	50.0000	56
62 Chrysene	228	10.502	10.502	(1.003)	344834	50.0000	52
64 Di-n-octylphthalate	149	11.290	11.290	(0.933)	382752	50.0000	54
65 Benzo(b)fluoranthene	252	11.649	11.649	(0.963)	216672	50.0000	48
66 Benzo(k)fluoranthene	252	11.684	11.684	(0.965)	241685	50.0000	47
67 Benzo(a)pyrene	252	12.031	12.031	(0.994)	176435	50.0000	50
* 84 Perylene-d12	264	12.102	12.102	(1.000)	132736	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.402	13.402	(1.107)	108468	50.0000	37
69 Dibenz(a,h)anthracene	278	13.437	13.437	(1.110)	125216	50.0000	40
70 Benzo(g,h,i)perylene	276	13.713	13.713	(1.133)	125467	50.0000	45

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Lab Sample ID: CCVIS 460-117977/2 Calibration Date: 06/27/2012 09:04

Instrument ID: BNAMS11 Calib Start Date: 06/24/2012 23:52

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 06/25/2012 01:50

Lab File ID: z19088.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5831	0.5320		45600	50000	-8.8	20.0
N-Nitrosodimethylamine	Ave	0.8056	0.7827		48600	50000	-2.8	20.0
Pyridine	Ave	1.441	1.351		46900	50000	-6.2	20.0
Benzaldehyde	Ave	0.5538	0.3422		30900	50000	-38.2*	20.0
Aniline	Ave	1.882	1.946		51700	50000	3.4	20.0
Phenol	Ave	1.785	1.787		50100	50000	0.1	20.0
Bis(2-chloroethyl)ether	Ave	1.486	1.406		47300	50000	-5.4	20.0
2-Chlorophenol	Ave	1.479	1.538		52000	50000	4.0	20.0
Decane	Ave	1.567	1.511		48200	50000	-3.6	20.0
1,3-Dichlorobenzene	Ave	1.582	1.600		50600	50000	1.1	20.0
1,4-Dichlorobenzene	Ave	1.600	1.608		50200	50000	0.5	20.0
1,2-Dichlorobenzene	Ave	1.475	1.493		50600	50000	1.3	20.0
Benzyl alcohol	Ave	0.7988	0.8335		52200	50000	4.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.874	1.805		48200	50000	-3.7	20.0
2-Methylphenol	Ave	1.192	1.228		51500	50000	3.0	20.0
Acetophenone	Ave	1.776	1.812		51000	50000	2.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.8914	0.9359	0.0500	52500	50000	5.0	20.0
3 & 4 Methylphenol	Ave	1.168	1.219		52200	50000	4.3	20.0
4-Methylphenol	Ave	1.168	1.219		52200	50000	4.4	20.0
Hexachloroethane	Ave	0.6036	0.6556		54300	50000	8.6	20.0
Nitrobenzene	Ave	0.4776	0.4949		51800	50000	3.6	20.0
n,n'-Dimethylaniline	Ave	1.993	2.085		52300	50000	4.6	20.0
Isophorone	Ave	0.5957	0.6013		50500	50000	0.9	20.0
2-Nitrophenol	Ave	0.2004	0.2128		53100	50000	6.2	20.0
2,4-Dimethylphenol	Ave	0.3057	0.3096		50600	50000	1.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.3799	0.3881		51100	50000	2.2	20.0
2,4-Dichlorophenol	Ave	0.2687	0.2737		50900	50000	1.9	20.0
Benzoic acid	QuaF	0.1439	0.1765		58800	50000	17.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3062	0.3066		50100	50000	0.1	20.0
Naphthalene	Ave	1.051	1.062		50500	50000	1.0	20.0
4-Chloroaniline	Ave	0.3850	0.3848		50000	50000	-0.0	20.0
Hexachlorobutadiene	Ave	0.1677	0.1661		49500	50000	-1.0	20.0
Caprolactam	Ave	0.0746	0.0827		55400	50000	10.9	20.0
4-Chloro-3-methylphenol	Ave	0.2530	0.2565		50700	50000	1.4	20.0
2-Methylnaphthalene	Ave	0.6396	0.6519		51000	50000	1.9	20.0
1-Methylnaphthalene	Ave	0.6562	0.6737		51300	50000	2.7	20.0
Hexachlorocyclopentadiene	LinF	0.2907	0.3068	0.0500	46200	50000	-7.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5662	0.5708		50400	50000	0.8	20.0
2-tertbutyl-4-methylphenol	Ave	0.4180	0.4367		52200	50000	4.5	20.0
2,4,6-Trichlorophenol	Ave	0.3805	0.3749		49300	50000	-1.5	20.0
2,4,5-Trichlorophenol	Ave	0.3736	0.3884		52000	50000	4.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Lab Sample ID: CCVIS 460-117977/2 Calibration Date: 06/27/2012 09:04

Instrument ID: BNAMS11 Calib Start Date: 06/24/2012 23:52

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 06/25/2012 01:50

Lab File ID: z19088.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diphenyl	Ave	1.506	1.536		51000	50000	2.0	20.0
2-Chloronaphthalene	Ave	1.136	1.159		51000	50000	2.0	20.0
Diphenyl ether	Ave	0.8379	0.8402		50100	50000	0.3	20.0
2-Nitroaniline	Ave	0.3331	0.3312		49700	50000	-0.6	20.0
Dimethylnaphthalene, total	Ave	1.009	1.028		50900	50000	1.9	20.0
Coumarin	Ave	0.1809	0.1819		50300	50000	0.6	20.0
Dimethyl phthalate	Ave	1.147	1.139		49600	50000	-0.7	20.0
2,6-Dinitrotoluene	Ave	0.2660	0.2752		51700	50000	3.4	20.0
Acenaphthylene	Ave	1.835	1.800		49100	50000	-1.9	20.0
3-Nitroaniline	Ave	0.2796	0.2773		49600	50000	-0.8	20.0
Acenaphthene	Ave	1.085	1.095		50500	50000	1.0	20.0
3,5-di-tert-butyl-4-hydroxyt ol	Ave	0.9673	0.9864		51000	50000	2.0	20.0
2,4-Dinitrophenol	QuaF	0.1170	0.1470	0.0500	57900	50000	15.8	20.0
4-Nitrophenol	Ave	0.1816	0.1946	0.0500	53600	50000	7.2	20.0
Dibenzofuran	Ave	1.514	1.501		49600	50000	-0.9	20.0
2,4-Dinitrotoluene	Ave	0.3272	0.3282		50100	50000	0.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2386	0.2305		48300	50000	-3.4	20.0
Diethyl phthalate	Ave	1.100	1.117		50800	50000	1.5	20.0
Fluorene	Ave	1.203	1.214		50400	50000	0.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.5638	0.5737		50900	50000	1.8	20.0
4-Nitroaniline	Ave	0.2239	0.2248		50200	50000	0.4	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1282	0.1510		58900	50000	17.8	20.0
N-Nitrosodiphenylamine	Ave	0.6132	0.6330		51600	50000	3.2	20.0
1,2-Diphenylhydrazine	Ave	1.049	1.149		54800	50000	9.5	20.0
4-Bromophenyl phenyl ether	Ave	0.2305	0.2399		52000	50000	4.1	20.0
Hexachlorobenzene	Ave	0.2409	0.2464		51200	50000	2.3	20.0
Atrazine	Ave	0.1953	0.2047		52400	50000	4.8	20.0
Pentachlorophenol	Ave	0.1295	0.1373		53000	50000	6.0	20.0
Pentachloronitrobenzene	Ave	0.0924	0.0927		50200	50000	0.3	
n-Octadecane	Ave	0.5678	0.6366		56100	50000	12.1	20.0
Phenanthrene	Ave	1.092	1.100		50300	50000	0.7	20.0
Anthracene	Ave	1.101	1.128		51200	50000	2.5	20.0
Carbazole	Ave	0.8911	0.8996		50500	50000	1.0	20.0
Di-n-butyl phthalate	Ave	1.140	1.218		53400	50000	6.9	20.0
Fluoranthene	Ave	0.9163	0.9232		50400	50000	0.7	20.0
Benzidine	Ave	0.1371	0.0512		18700	50000	-62.7*	20.0
Pyrene	Ave	1.889	2.026		53600	50000	7.2	20.0
Butyl benzyl phthalate	Ave	0.7273	0.8196		56300	50000	12.7	20.0
2,3,7,8-TCDD (Screen)	Ave	0.2031	0.2350		578	500	15.7	20.0
Carbamazepine	LinF	0.4039	0.4622		48000	50000	-4.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-117977/2 Calibration Date: 06/27/2012 09:04
 Instrument ID: BNAMS11 Calib Start Date: 06/24/2012 23:52
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 06/25/2012 01:50
 Lab File ID: z19088.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	Ave	0.3298	0.3276		49700	50000	-0.7	20.0
Benzo[a]anthracene	Ave	1.217	1.219		50100	50000	0.1	20.0
Chrysene	Ave	1.162	1.166		50200	50000	0.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9498	1.049		55200	50000	10.4	20.0
Di-n-octyl phthalate	QuaF	2.067	2.304		53500	50000	7.1	20.0
Benzo[b]fluoranthene	Ave	1.360	1.306		48000	50000	-4.0	20.0
Benzo[k]fluoranthene	Ave	1.554	1.463		47100	50000	-5.8	20.0
Benzo[a]pyrene	Ave	1.074	1.053		49000	50000	-2.0	20.0
Indeno[1,2,3-cd]pyrene	LinF	0.7394	0.7726		43400	50000	-13.3	20.0
Dibenz(a,h)anthracene	LinF	0.8050	0.8339		44300	50000	-11.4	20.0
Benzo[g,h,i]perylene	Ave	0.8413	0.7984		47400	50000	-5.1	20.0
2-Fluorophenol	Ave	1.324	1.320		49800	50000	-0.4	20.0
Phenol-d5	Ave	1.560	1.594		51100	50000	2.1	20.0
Nitrobenzene-d5	Ave	0.3706	0.3912		52800	50000	5.6	20.0
2-Fluorobiphenyl	Ave	1.406	1.405		50000	50000	-0.0	20.0
2,4,6-Tribromophenol	Ave	0.1517	0.1498		49400	50000	-1.2	20.0
Terphenyl-d14	Ave	1.257	1.367		54400	50000	8.8	20.0

Data File: /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19088.d
 Report Date: 27-Jun-2012 09:29

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19088.d
 Lab Smp Id: CCVIS-1519304
 Inj Date : 27-JUN-2012 09:04
 Operator : BNAMS 4
 Smp Info : CCVIS-1519304
 Misc Info : 50 ppm bna 4672
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/27jun12.b/8270C_11.m
 Meth Date : 27-Jun-2012 09:29 czhao
 Cal Date : 25-JUN-2012 01:50
 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: z19018.d
 Continuing Calibration Sample
 Compound Sublist: all.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 MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	0.979	0.979	(0.289)	143261	50.0000	46
19 N-Nitrosodimethylamine	74	1.173	1.173	(0.346)	210775	50.0000	48
71 Pyridine	79	1.191	1.191	(0.351)	363919	50.0000	47
\$ 16 2-Fluorophenol (SUR)	112	2.167	2.167	(0.639)	355404	50.0000	50
110 Benzaldehyde	77	2.938	2.938	(0.866)	92159	50.0000	31
\$ 17 Phenol-d5 (SUR)	99	3.079	3.079	(0.908)	429129	50.0000	51
1 Phenol	94	3.091	3.091	(0.912)	481106	50.0000	50
73 Aniline	93	3.061	3.061	(0.903)	524162	50.0000	52
20 bis(2-Chloroethyl)ether	93	3.149	3.149	(0.929)	378628	50.0000	47
2 2-Chlorophenol	128	3.185	3.185	(0.939)	414210	50.0000	52
113 n-decane	43	3.261	3.261	(0.962)	406775	50.0000	48
21 1,3-Dichlorobenzene	146	3.332	3.332	(0.983)	430804	50.0000	50
* 79 1,4-Dichlorobenzene-d4	152	3.390	3.390	(1.000)	215431	40.0000	

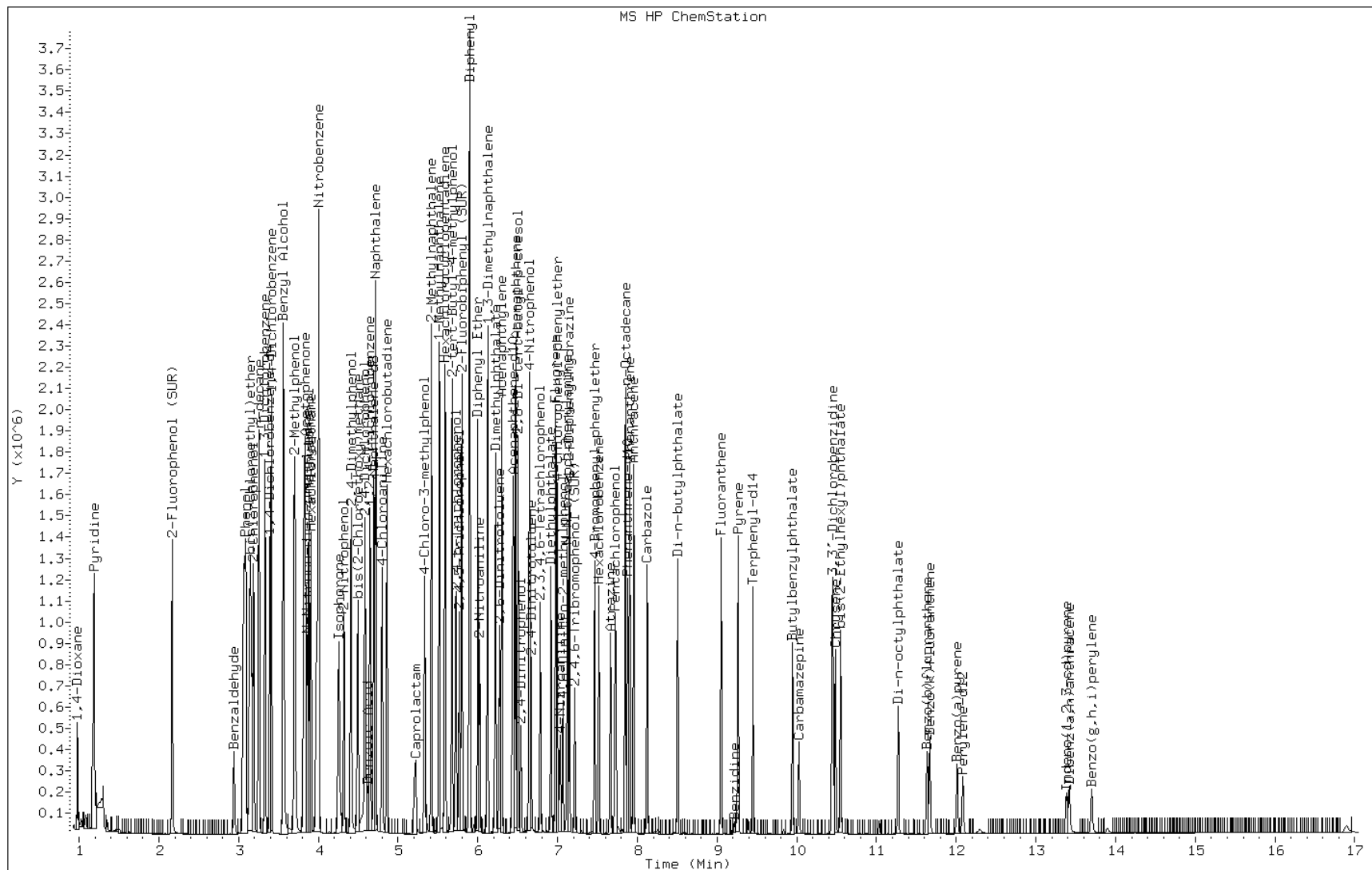
Data File: /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19088.d
 Report Date: 27-Jun-2012 09:29

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.408	3.408	(1.005)	433038	50.0000	50
74 Benzyl Alcohol	108	3.567	3.567	(1.052)	224456	50.0000	52
23 1,2-Dichlorobenzene	146	3.561	3.561	(1.050)	402085	50.0000	51
3 2-Methylphenol	108	3.708	3.708	(1.094)	330594	50.0000	51
24 bis (2-chloroisopropyl) ether	45	3.702	3.702	(1.092)	486042	50.0000	48
4 4-Methylphenol	108	3.879	3.879	(1.144)	328156	50.0000	52
123 3 & 4 Methylphenol	108	3.879	3.879	(1.144)	328156	50.0000	52
104 Acetophenone	105	3.838	3.838	(1.132)	487819	50.0000	51
25 N-Nitroso-di-n-propylamine	70	3.855	3.855	(1.137)	252038	50.0000	52
26 Hexachloroethane	117	3.902	3.902	(1.151)	176534	50.0000	54
\$ 76 Nitrobenzene-d5 (SUR)	82	3.979	3.979	(0.847)	397582	50.0000	53
27 Nitrobenzene	77	4.002	4.002	(0.852)	502965	50.0000	52
107 N,N-Dimethylaniline	120	4.008	4.008	(1.182)	561579	50.0000	52
28 Isophorone	82	4.255	4.255	(0.906)	611105	50.0000	50
5 2-Nitrophenol	139	4.320	4.320	(0.920)	216297	50.0000	53
6 2,4-Dimethylphenol	122	4.414	4.414	(0.940)	314680	50.0000	51
29 bis(2-Chloroethoxy)methane	93	4.496	4.496	(0.957)	394452	50.0000	51
15 Benzoic Acid	122	4.620	4.620	(0.984)	179367	50.0000	59
7 2,4-Dichlorophenol	162	4.585	4.585	(0.976)	278174	50.0000	51
30 1,2,4-Trichlorobenzene	180	4.649	4.649	(0.990)	311592	50.0000	50
* 80 Naphthalene-d8	136	4.696	4.696	(1.000)	813038	40.0000	
31 Naphthalene	128	4.720	4.720	(1.005)	1079215	50.0000	50
32 4-Chloroaniline	127	4.796	4.796	(1.021)	391090	50.0000	50
33 Hexachlorobutadiene	225	4.861	4.861	(1.035)	168833	50.0000	50
111 Caprolactam	113	5.220	5.220	(1.111)	84012	50.0000	55
8 4-Chloro-3-methylphenol	107	5.337	5.337	(1.137)	260684	50.0000	51
34 2-Methylnaphthalene	142	5.420	5.420	(1.154)	662492	50.0000	51
120 1-Methylnaphthalene	142	5.514	5.514	(1.174)	684676	50.0000	51
35 Hexachlorocyclopentadiene	237	5.590	5.590	(0.868)	144022	50.0000	46
129 1,2,4,5-Tetrachlorobenzene	216	5.596	5.596	(0.869)	267901	50.0000	50
121 2-tert-Butyl-4-methylphenol	149	5.679	5.679	(1.209)	443789	50.0000	52
9 2,4,6-Trichlorophenol	196	5.726	5.726	(0.889)	175968	50.0000	49
10 2,4,5-Trichlorophenol	196	5.767	5.767	(0.895)	182304	50.0000	52
\$ 77 2-Fluorobiphenyl (SUR)	172	5.802	5.802	(0.900)	659497	50.0000	50
102 Diphenyl	154	5.896	5.896	(0.915)	720820	50.0000	51
36 2-Chloronaphthalene	162	5.902	5.902	(0.916)	543934	50.0000	51
103 Diphenyl Ether	170	6.002	6.002	(0.932)	394389	50.0000	50
37 2-Nitroaniline	65	6.026	6.026	(0.935)	155443	50.0000	50
125 1,3-Dimethylnaphthalene	156	6.126	6.126	(0.951)	482729	50.0000	51
38 Dimethylphthalate	163	6.226	6.226	(0.966)	534636	50.0000	50
114 Coumarin	146	6.220	6.220	(1.324)	184858	50.0000	50
40 2,6-Dinitrotoluene	165	6.279	6.279	(0.974)	129159	50.0000	52
39 Acenaphthylene	152	6.302	6.302	(0.978)	845089	50.0000	49
41 3-Nitroaniline	138	6.431	6.431	(0.998)	130156	50.0000	50
* 82 Acenaphthene-d10	164	6.443	6.443	(1.000)	375508	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	6.508	6.508	(1.010)	463019	50.0000	51
42 Acenaphthene	154	6.479	6.479	(1.005)	514135	50.0000	50

Data File: /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19088.d
 Report Date: 27-Jun-2012 09:29

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.543	6.543	(1.016)	68987	50.0000	58
12 4-Nitrophenol	65	6.643	6.643	(1.031)	91334	50.0000	54
44 2,4-Dinitrotoluene	165	6.667	6.667	(1.035)	154028	50.0000	50
43 Dibenzofuran	168	6.649	6.649	(1.032)	704704	50.0000	50
130 2,3,4,6-Tetrachlorophenol	232	6.784	6.784	(1.053)	108172	50.0000	48
45 Diethylphthalate	149	6.920	6.920	(1.074)	524284	50.0000	51
46 4-Chlorophenyl-phenylether	204	6.996	6.996	(1.086)	269290	50.0000	51
47 Fluorene	166	6.978	6.978	(1.083)	569759	50.0000	50
48 4-Nitroaniline	138	7.031	7.031	(1.091)	105497	50.0000	50
13 4,6-Dinitro-2-methylphenol	198	7.067	7.067	(0.896)	85569	50.0000	59
49 N-Nitrosodiphenylamine	169	7.120	7.120	(0.903)	358621	50.0000	52
75 1,2-Diphenylhydrazine	77	7.149	7.149	(0.907)	650970	50.0000	55
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.220	7.220	(1.121)	70314	50.0000	49
50 4-Bromophenyl-phenylether	248	7.467	7.467	(0.947)	135924	50.0000	52
51 Hexachlorobenzene	284	7.520	7.520	(0.954)	139611	50.0000	51
112 Atrazine	200	7.667	7.667	(0.972)	115983	50.0000	52
14 Pentachlorophenol	266	7.720	7.720	(0.979)	77795	50.0000	53
132 Pentachloronitrobenzene	237	7.731	7.731	(0.981)	52502	50.0000	50
115 n-Octadecane	57	7.855	7.855	(0.996)	360686	50.0000	56
* 83 Phenanthrene-d10	188	7.884	7.884	(1.000)	453260	40.0000	
52 Phenanthrene	178	7.908	7.908	(1.003)	622955	50.0000	50
53 Anthracene	178	7.955	7.955	(1.009)	639283	50.0000	51
54 Carbazole	167	8.125	8.125	(1.031)	509676	50.0000	50
55 Di-n-butylphthalate	149	8.508	8.508	(1.079)	689942	50.0000	53
56 Fluoranthene	202	9.055	9.055	(1.148)	523043	50.0000	50
58 Benzidine	184	9.214	9.214	(1.169)	28987	50.0000	19
57 Pyrene	202	9.267	9.267	(0.886)	500131	50.0000	54
\$ 78 Terphenyl-d14	244	9.449	9.449	(0.903)	337377	50.0000	54
59 Butylbenzylphthalate	149	9.949	9.949	(0.951)	202324	50.0000	56
109 2,3,7,8-TCDD (Screen)	320	10.008	10.008	(0.957)	580	0.50000	0.58
124 Carbamazepine	193	10.031	10.031	(0.959)	114095	50.0000	48
60 3,3'-Dichlorobenzidine	252	10.443	10.443	(0.998)	80869	50.0000	50
61 Benzo(a)anthracene	228	10.449	10.449	(0.999)	300839	50.0000	50
* 81 Chrysene-d12	240	10.461	10.461	(1.000)	197493	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.549	10.549	(1.008)	258969	50.0000	55
62 Chrysene	228	10.484	10.484	(1.002)	287953	50.0000	50
64 Di-n-octylphthalate	149	11.272	11.272	(0.933)	348296	50.0000	54
65 Benzo(b)fluoranthene	252	11.637	11.637	(0.963)	197466	50.0000	48
66 Benzo(k)fluoranthene	252	11.666	11.666	(0.965)	221251	50.0000	47
67 Benzo(a)pyrene	252	12.013	12.013	(0.994)	159143	50.0000	49
* 84 Perylene-d12	264	12.084	12.084	(1.000)	120962	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.384	13.384	(1.108)	116818	50.0000	43
69 Dibenz(a,h)anthracene	278	13.419	13.419	(1.110)	126090	50.0000	44
70 Benzo(g,h,i)perylene	276	13.702	13.702	(1.134)	120725	50.0000	47

Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Lab Sample ID: CCVIS 460-117489/2 Calibration Date: 06/25/2012 12:56

Instrument ID: BNAMS4 Calib Start Date: 06/20/2012 15:47

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 06/20/2012 17:43

Lab File ID: u77718.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD (Screen)	Ave	0.1197	0.0000		1.00	500	-100.0*	20.0
1,4-Dioxane	Ave	0.5236	0.5028		48000	50000	-4.0	20.0
N-Nitrosodimethylamine	Ave	0.9822	0.9302		47400	50000	-5.3	20.0
Pyridine	Ave	1.555	1.640		52800	50000	5.5	20.0
Benzaldehyde	Ave	0.7386	0.9730		65900	50000	31.7*	20.0
Aniline	Ave	2.314	2.540		54900	50000	9.8	20.0
Phenol	Ave	2.151	2.451		57000	50000	13.9	20.0
Bis(2-chloroethyl)ether	Ave	1.639	1.724		52600	50000	5.2	20.0
2-Chlorophenol	Ave	1.256	1.401		55800	50000	11.5	20.0
Decane	Ave	2.122	2.007		47300	50000	-5.4	20.0
1,3-Dichlorobenzene	Ave	1.464	1.509		51500	50000	3.1	20.0
1,4-Dichlorobenzene	Ave	1.512	1.573		52000	50000	4.1	20.0
1,2-Dichlorobenzene	Ave	1.438	1.569		54600	50000	9.1	20.0
Benzyl alcohol	Ave	0.9685	0.9913		51200	50000	2.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	3.082	3.147		51100	50000	2.1	20.0
2-Methylphenol	Ave	1.353	1.450		53600	50000	7.2	20.0
Acetophenone	Ave	2.336	2.382		51000	50000	1.9	20.0
N-Nitrosodi-n-propylamine	Ave	1.482	1.491	0.0500	50300	50000	0.6	20.0
3 & 4 Methylphenol	Ave	1.396	1.444		51700	50000	3.4	20.0
4-Methylphenol	Ave	1.394	1.444		51800	50000	3.6	20.0
Hexachloroethane	Ave	0.8129	0.8343		51300	50000	2.6	20.0
n,n'-Dimethylaniline	Ave	1.874	2.215		59100	50000	18.2	20.0
Nitrobenzene	Ave	0.8135	0.7069		43400	50000	-13.1	20.0
Isophorone	Ave	1.038	0.9265		44600	50000	-10.7	20.0
2-Nitrophenol	Ave	0.2066	0.2127		51500	50000	2.9	20.0
2,4-Dimethylphenol	Ave	0.3073	0.3106		50500	50000	1.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.5267	0.4910		46600	50000	-6.8	20.0
2,4-Dichlorophenol	Ave	0.3387	0.3329		49100	50000	-1.7	20.0
Benzoic acid	QuaF	0.1638	0.1871		52300	50000	4.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3693	0.3551		48100	50000	-3.8	20.0
Naphthalene	Ave	0.9811	0.9213		47000	50000	-6.1	20.0
4-Chloroaniline	Ave	0.4003	0.3703		46200	50000	-7.5	20.0
Hexachlorobutadiene	Ave	0.2490	0.2121		42600	50000	-14.8	20.0
Caprolactam	Ave	0.1131	0.1042		46100	50000	-7.9	20.0
4-Chloro-3-methylphenol	Ave	0.4128	0.3572		43300	50000	-13.5	20.0
2-Methylnaphthalene	Ave	0.6453	0.5900		45700	50000	-8.6	20.0
1-Methylnaphthalene	Ave	0.6655	0.6617		49700	50000	-0.6	20.0
Hexachlorocyclopentadiene	LinF	0.3324	0.2847	0.0500	34000	50000	-31.9*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6436	0.6491		50400	50000	0.8	20.0
2-tertbutyl-4-methylphenol	Ave	0.5182	0.4670		45100	50000	-9.9	20.0
2,4,6-Trichlorophenol	Ave	0.4169	0.4013		48100	50000	-3.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-117489/2 Calibration Date: 06/25/2012 12:56
 Instrument ID: BNAMS4 Calib Start Date: 06/20/2012 15:47
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 06/20/2012 17:43
 Lab File ID: u77718.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4353	0.4118		47300	50000	-5.4	20.0
Diphenyl	Ave	1.341	1.353		50400	50000	0.9	20.0
2-Chloronaphthalene	Ave	1.129	1.123		49700	50000	-0.6	20.0
Diphenyl ether	Ave	0.7610	0.7397		48600	50000	-2.8	20.0
2-Nitroaniline	Ave	0.5726	0.5358		46800	50000	-6.4	20.0
Dimethylnaphthalene, total	Ave	0.8477	0.8973		52900	50000	5.9	20.0
Dimethyl phthalate	Ave	1.329	1.275		48000	50000	-4.0	20.0
Coumarin	Ave	0.2555	0.2436		47700	50000	-4.6	20.0
2,6-Dinitrotoluene	Ave	0.3150	0.3108		49300	50000	-1.4	20.0
Acenaphthylene	Ave	1.675	1.736		51800	50000	3.6	20.0
3-Nitroaniline	Ave	0.2988	0.2882		48200	50000	-3.5	20.0
Acenaphthene	Ave	1.011	1.030		51000	50000	1.9	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9489	0.9072		47800	50000	-4.4	20.0
2,4-Dinitrophenol	QuaF	0.1803	0.1845	0.0500	47700	50000	-4.7	20.0
4-Nitrophenol	Ave	0.3925	0.3476	0.0500	44300	50000	-11.4	20.0
Dibenzofuran	Ave	1.591	1.505		47300	50000	-5.4	20.0
2,4-Dinitrotoluene	Ave	0.4153	0.4200		50600	50000	1.1	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3305	0.3130		47300	50000	-5.3	20.0
Diethyl phthalate	Ave	1.389	1.350		48600	50000	-2.8	20.0
Fluorene	Ave	1.242	1.234		49700	50000	-0.6	20.0
4-Chlorophenyl phenyl ether	Ave	0.6390	0.5698		44600	50000	-10.8	20.0
4-Nitroaniline	Ave	0.2640	0.2590		49100	50000	-1.9	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1575	0.1741		55300	50000	10.5	20.0
N-Nitrosodiphenylamine	Ave	0.5292	0.5894		55700	50000	11.4	20.0
1,2-Diphenylhydrazine	Ave	1.419	1.439		50700	50000	1.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2296	0.2409		52500	50000	5.0	20.0
Hexachlorobenzene	Ave	0.2869	0.2922		50900	50000	1.8	20.0
Atrazine	Ave	0.2161	0.2319		53700	50000	7.3	20.0
Pentachlorophenol	QuaF	0.1718	0.1642		46400	50000	-7.2	20.0
Pentachloronitrobenzene	Ave	0.1356	0.1237		45600	50000	-8.8	
n-Octadecane	Ave	0.7439	0.8004		53800	50000	7.6	20.0
Phenanthrene	Ave	1.117	1.125		50400	50000	0.8	20.0
Anthracene	Ave	1.125	1.140		50600	50000	1.3	20.0
Carbazole	Ave	0.9591	0.9415		49100	50000	-1.8	20.0
Di-n-butyl phthalate	Ave	1.432	1.444		50400	50000	0.8	20.0
Fluoranthene	Ave	1.143	1.072		46900	50000	-6.1	20.0
Benzidine	Ave	0.2311	0.2017		43600	50000	-12.7	20.0
Pyrene	Ave	1.482	1.641		55400	50000	10.8	20.0
Butyl benzyl phthalate	Ave	0.7446	0.7681		51600	50000	3.2	20.0
Carbamazepine	Ave	0.4526	0.4757		52600	50000	5.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-117489/2 Calibration Date: 06/25/2012 12:56
 Instrument ID: BNAMS4 Calib Start Date: 06/20/2012 15:47
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 06/20/2012 17:43
 Lab File ID: u77718.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	Ave	0.3443	0.3918		56900	50000	13.8	20.0
Benzo[a]anthracene	Ave	1.171	1.100		47000	50000	-6.1	20.0
Chrysene	Ave	1.019	0.996		48900	50000	-2.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9556	0.9518		49800	50000	-0.4	20.0
Di-n-octyl phthalate	Ave	2.181	2.263		51900	50000	3.8	20.0
Benzo[b]fluoranthene	LinF	1.317	1.263		42000	50000	-16.1	20.0
Benzo[k]fluoranthene	Ave	1.369	1.335		48800	50000	-2.4	20.0
Benzo[a]pyrene	Ave	1.048	1.047		49900	50000	-0.1	20.0
Indeno[1,2,3-cd]pyrene	LinF	0.9543	1.236		55400	50000	10.9	20.0
Dibenz(a,h)anthracene	QuaF	0.9282	1.019		51800	50000	3.7	20.0
Benzo[g,h,i]perylene	Ave	0.9797	1.058		54000	50000	8.0	20.0
2-Fluorophenol	Ave	1.352	1.527		56500	50000	12.9	20.0
Phenol-d5	Ave	1.996	2.337		58500	50000	17.1	20.0
Nitrobenzene-d5	Ave	0.6170	0.5484		44400	50000	-11.1	20.0
2-Fluorobiphenyl	Ave	1.269	1.344		53000	50000	5.9	20.0
2,4,6-Tribromophenol	Ave	0.2481	0.2177		43900	50000	-12.3	20.0
Terphenyl-d14	Ave	1.003	1.076		53600	50000	7.3	20.0

Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77718.d
 Report Date: 25-Jun-2012 13:19

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77718.d
 Lab Smp Id: CCVIS-1519304
 Inj Date : 25-JUN-2012 12:56
 Operator : BNAMS 4
 Smp Info : CCVIS-1519304
 Misc Info : 50 ppm bna 4658
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/8270C_11.m
 Meth Date : 25-Jun-2012 13:19 czhao
 Cal Date : 20-JUN-2012 17:43
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS4.i
 Quant Type: ISTD
 Cal File: u77571.d
 Continuing Calibration Sample
 Compound Sublist: all.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				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.144	1.144	(0.309)	94651	50.0000	48
19 N-Nitrosodimethylamine	74	1.356	1.356	(0.366)	175118	50.0000	47
71 Pyridine	79	1.371	1.371	(0.370)	308839	50.0000	53
\$ 16 2-Fluorophenol (SUR)	112	2.438	2.438	(0.658)	287478	50.0000	56
110 Benzaldehyde	77	3.248	3.248	(0.877)	183178	50.0000	66
73 Aniline	93	3.372	3.372	(0.910)	478237	50.0000	55
\$ 17 Phenol-d5 (SUR)	99	3.387	3.387	(0.914)	439966	50.0000	58
1 Phenol	94	3.402	3.402	(0.918)	461381	50.0000	57
20 bis(2-Chloroethyl)ether	93	3.454	3.454	(0.932)	324547	50.0000	52
2 2-Chlorophenol	128	3.499	3.499	(0.944)	263804	50.0000	56
113 n-decane	43	3.558	3.558	(0.960)	377869	50.0000	47
21 1,3-Dichlorobenzene	146	3.646	3.646	(0.984)	284134	50.0000	52
* 79 1,4-Dichlorobenzene-d4	152	3.706	3.706	(1.000)	150608	40.0000	

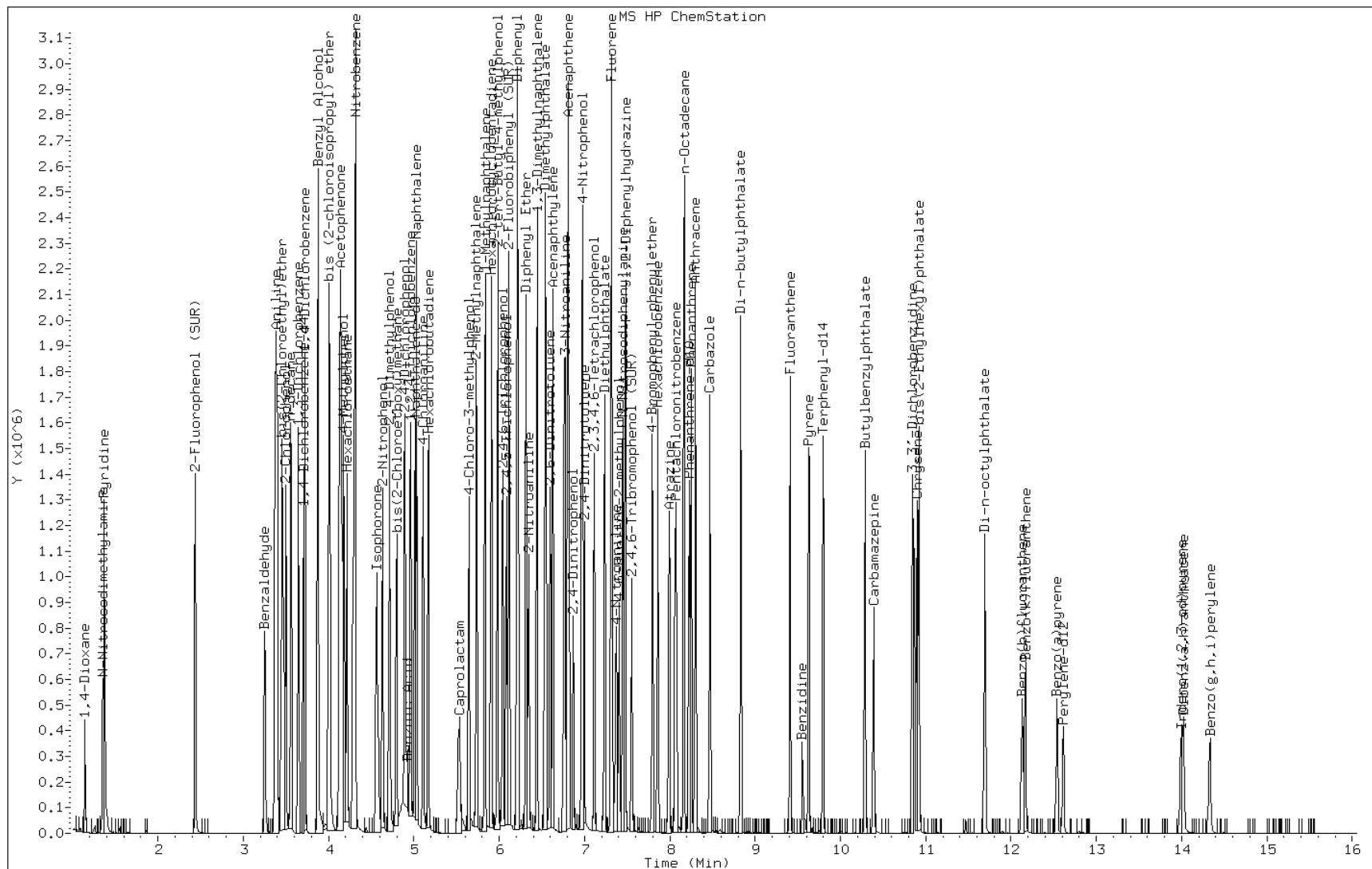
Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77718.d
Report Date: 25-Jun-2012 13:19

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.721	3.721	(1.004)	296221	50.0000	52
74 Benzyl Alcohol	108	3.876	3.876	(1.046)	186614	50.0000	51
23 1,2-Dichlorobenzene	146	3.876	3.876	(1.046)	295390	50.0000	54
24 bis (2-chloroisopropyl) ether	45	4.008	4.008	(1.082)	592383	50.0000	51
3 2-Methylphenol	108	4.008	4.008	(1.082)	272917	50.0000	54
104 Acetophenone	105	4.141	4.141	(1.117)	448397	50.0000	51
25 N-Nitroso-di-n-propylamine	70	4.156	4.156	(1.121)	280735	50.0000	50
4 4-Methylphenol	108	4.177	4.177	(1.127)	271773	50.0000	52
123 3 & 4 Methylphenol	108	4.177	4.177	(1.127)	271773	50.0000	52
26 Hexachloroethane	117	4.214	4.214	(1.137)	157073	50.0000	51
\$ 76 Nitrobenzene-d5 (SUR)	82	4.288	4.288	(0.855)	424984	50.0000	44
27 Nitrobenzene	77	4.317	4.317	(0.861)	547826	50.0000	43
107 N,N-Dimethylaniline	120	4.317	4.317	(1.165)	417059	50.0000	59
28 Isophorone	82	4.565	4.565	(0.911)	718028	50.0000	45
5 2-Nitrophenol	139	4.630	4.630	(0.924)	164832	50.0000	51
6 2,4-Dimethylphenol	122	4.717	4.717	(0.941)	240664	50.0000	50
29 bis(2-Chloroethoxy)methane	93	4.799	4.799	(0.957)	380503	50.0000	47
7 2,4-Dichlorophenol	162	4.896	4.896	(0.977)	257940	50.0000	49
15 Benzoic Acid	122	4.933	4.933	(0.984)	145028	50.0000	52
30 1,2,4-Trichlorobenzene	180	4.963	4.963	(0.990)	275184	50.0000	48
* 80 Naphthalene-d8	136	5.013	5.013	(1.000)	619962	40.0000	
31 Naphthalene	128	5.034	5.034	(1.004)	713980	50.0000	47
32 4-Chloroaniline	127	5.108	5.108	(1.019)	286938	50.0000	46
33 Hexachlorobutadiene	225	5.174	5.174	(1.032)	164392	50.0000	42
111 Caprolactam	113	5.540	5.540	(1.105)	80756	50.0000	46
8 4-Chloro-3-methylphenol	107	5.644	5.644	(1.126)	276786	50.0000	43
34 2-Methylnaphthalene	142	5.732	5.732	(1.143)	457226	50.0000	46
120 1-Methylnaphthalene	142	5.836	5.836	(1.164)	512799	50.0000	50
35 Hexachlorocyclopentadiene	237	5.903	5.903	(0.872)	126847	50.0000	34
129 1,2,4,5-Tetrachlorobenzene	216	5.911	5.911	(0.873)	289194	50.0000	50
121 2-tert-Butyl-4-methylphenol	149	5.982	5.982	(1.193)	361881	50.0000	45
9 2,4,6-Trichlorophenol	196	6.042	6.042	(0.892)	178788	50.0000	48
10 2,4,5-Trichlorophenol	196	6.086	6.086	(0.899)	183459	50.0000	47
\$ 77 2-Fluorobiphenyl (SUR)	172	6.115	6.115	(0.903)	598843	50.0000	53
102 Diphenyl	154	6.210	6.210	(0.917)	602692	50.0000	50
36 2-Chloronaphthalene	162	6.225	6.225	(0.919)	500175	50.0000	50
103 Diphenyl Ether	170	6.315	6.315	(0.932)	329538	50.0000	48
37 2-Nitroaniline	65	6.345	6.345	(0.937)	238725	50.0000	47
125 1,3-Dimethylnaphthalene	156	6.446	6.446	(0.952)	399779	50.0000	53
38 Dimethylphthalate	163	6.542	6.542	(0.966)	567950	50.0000	48
114 Coumarin	146	6.550	6.550	(1.307)	188786	50.0000	48
40 2,6-Dinitrotoluene	165	6.594	6.594	(0.974)	138452	50.0000	49
39 Acenaphthylene	152	6.632	6.632	(0.979)	773285	50.0000	52
41 3-Nitroaniline	138	6.764	6.764	(0.999)	128414	50.0000	48
* 82 Acenaphthene-d10	164	6.772	6.772	(1.000)	356427	40.0000	
42 Acenaphthene	154	6.807	6.807	(1.005)	459015	50.0000	51
122 2,6-Di-tert-butyl-p-cresol	205	6.815	6.815	(1.006)	404192	50.0000	48

Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77718.d
 Report Date: 25-Jun-2012 13:19

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.866	6.866	(1.014)	82210	50.0000	48
12 4-Nitrophenol	65	6.968	6.968	(1.029)	154859	50.0000	44
43 Dibenzofuran	168	6.975	6.975	(1.030)	670490	50.0000	47
44 2,4-Dinitrotoluene	165	6.998	6.998	(1.033)	187102	50.0000	50
130 2,3,4,6-Tetrachlorophenol	232	7.113	7.113	(1.050)	139453	50.0000	47
45 Diethylphthalate	149	7.238	7.238	(1.069)	601473	50.0000	49
47 Fluorene	166	7.312	7.312	(1.080)	549991	50.0000	50
46 4-Chlorophenyl-phenylether	204	7.320	7.320	(1.081)	253874	50.0000	44
48 4-Nitroaniline	138	7.372	7.372	(1.089)	115413	50.0000	49
13 4,6-Dinitro-2-methylphenol	198	7.410	7.410	(0.901)	110661	50.0000	55
49 N-Nitrosodiphenylamine	169	7.453	7.453	(0.906)	374593	50.0000	56
75 1,2-Diphenylhydrazine	77	7.483	7.483	(0.909)	914519	50.0000	51
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.558	7.558	(1.116)	96974	50.0000	44
50 4-Bromophenyl-phenylether	248	7.802	7.802	(0.948)	153120	50.0000	52
51 Hexachlorobenzene	284	7.861	7.861	(0.955)	185680	50.0000	51
112 Atrazine	200	7.993	7.993	(0.971)	147395	50.0000	54
14 Pentachlorophenol	266	8.060	8.060	(0.980)	104331	50.0000	46
132 Pentachloronitrobenzene	237	8.075	8.075	(0.981)	78599	50.0000	46
115 n-Octadecane	57	8.169	8.169	(0.993)	508701	50.0000	54
* 83 Phenanthrene-d10	188	8.228	8.228	(1.000)	508443	40.0000	
52 Phenanthrene	178	8.258	8.258	(1.004)	715287	50.0000	50
53 Anthracene	178	8.303	8.303	(1.009)	724308	50.0000	51
54 Carbazole	167	8.471	8.471	(1.030)	598380	50.0000	49
55 Di-n-butylphthalate	149	8.830	8.830	(1.073)	917713	50.0000	50
56 Fluoranthene	202	9.412	9.412	(1.144)	681514	50.0000	47
58 Benzidine	184	9.552	9.552	(1.161)	128219	50.0000	44
57 Pyrene	202	9.634	9.634	(0.887)	701041	50.0000	55
\$ 78 Terphenyl-d14	244	9.795	9.795	(0.901)	459375	50.0000	54
59 Butylbenzylphthalate	149	10.289	10.289	(0.947)	328054	50.0000	52
124 Carbamazepine	193	10.391	10.391	(0.956)	203195	50.0000	52
60 3,3'-Dichlorobenzidine	252	10.839	10.839	(0.997)	167359	50.0000	57
61 Benzo(a)anthracene	228	10.854	10.854	(0.999)	469773	50.0000	47
* 81 Chrysene-d12	240	10.867	10.867	(1.000)	341693	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.918	10.918	(1.005)	406547	50.0000	50
62 Chrysene	228	10.897	10.897	(1.003)	425462	50.0000	49
64 Di-n-octylphthalate	149	11.694	11.694	(0.927)	605410	50.0000	52
65 Benzo(b)fluoranthene	252	12.134	12.134	(0.962)	337875	50.0000	42
66 Benzo(k)fluoranthene	252	12.172	12.172	(0.965)	357215	50.0000	49
67 Benzo(a)pyrene	252	12.540	12.540	(0.994)	279942	50.0000	50
* 84 Perylene-d12	264	12.614	12.614	(1.000)	214001	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.996	13.996	(1.110)	330538	50.0000	55
69 Dibenz(a,h)anthracene	278	14.018	14.018	(1.111)	272536	50.0000	52
70 Benzo(g,h,i)perylene	276	14.335	14.335	(1.136)	282919	50.0000	54

Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Lab Sample ID: CCVIS 460-117507/2 Calibration Date: 06/26/2012 08:05

Instrument ID: BNAMS4 Calib Start Date: 06/20/2012 15:47

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 06/20/2012 17:43

Lab File ID: u77750.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5236	0.4737		45200	50000	-9.5	20.0
N-Nitrosodimethylamine	Ave	0.9822	1.072		54600	50000	9.2	20.0
Pyridine	Ave	1.555	1.623		52200	50000	4.4	20.0
Benzaldehyde	Ave	0.7386	0.3240		21900	50000	-56.1*	20.0
Aniline	Ave	2.314	2.598		56100	50000	12.3	20.0
Phenol	Ave	2.151	2.415		56100	50000	12.3	20.0
Bis(2-chloroethyl)ether	Ave	1.639	1.747		53300	50000	6.6	20.0
2-Chlorophenol	Ave	1.256	1.402		55800	50000	11.6	20.0
Decane	Ave	2.122	2.060		48500	50000	-2.9	20.0
1,3-Dichlorobenzene	Ave	1.464	1.521		51900	50000	3.9	20.0
1,4-Dichlorobenzene	Ave	1.512	1.579		52200	50000	4.4	20.0
1,2-Dichlorobenzene	Ave	1.438	1.571		54600	50000	9.2	20.0
Benzyl alcohol	Ave	0.9685	1.111		57300	50000	14.7	20.0
2,2'-oxybis[1-chloropropane]	Ave	3.082	3.234		52500	50000	4.9	20.0
2-Methylphenol	Ave	1.353	1.555		57500	50000	15.0	20.0
Acetophenone	Ave	2.336	2.411		51600	50000	3.2	20.0
N-Nitrosodi-n-propylamine	Ave	1.482	1.617	0.0500	54500	50000	9.1	20.0
3 & 4 Methylphenol	Ave	1.396	1.630		58400	50000	16.7	20.0
4-Methylphenol	Ave	1.394	1.630		58500	50000	16.9	20.0
Hexachloroethane	Ave	0.8129	0.8193		50400	50000	0.8	20.0
n,n'-Dimethylaniline	Ave	1.874	2.200		58700	50000	17.4	20.0
Nitrobenzene	Ave	0.8135	0.7480		46000	50000	-8.1	20.0
Isophorone	Ave	1.038	0.997		48000	50000	-4.0	20.0
2-Nitrophenol	Ave	0.2066	0.2322		56200	50000	12.4	20.0
2,4-Dimethylphenol	Ave	0.3073	0.3292		53600	50000	7.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.5267	0.5021		47700	50000	-4.7	20.0
2,4-Dichlorophenol	Ave	0.3387	0.3564		52600	50000	5.2	20.0
Benzoic acid	QuaF	0.1638	0.2009		55700	50000	11.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3693	0.3760		50900	50000	1.8	20.0
Naphthalene	Ave	0.9811	0.9665		49300	50000	-1.5	20.0
4-Chloroaniline	Ave	0.4003	0.3781		47200	50000	-5.6	20.0
Hexachlorobutadiene	Ave	0.2490	0.2215		44500	50000	-11.1	20.0
Caprolactam	Ave	0.1131	0.1054		46600	50000	-6.8	20.0
4-Chloro-3-methylphenol	Ave	0.4128	0.4226		51200	50000	2.4	20.0
2-Methylnaphthalene	Ave	0.6453	0.6473		50200	50000	0.3	20.0
1-Methylnaphthalene	Ave	0.6655	0.6892		51800	50000	3.6	20.0
Hexachlorocyclopentadiene	LinF	0.3324	0.3404	0.0500	40700	50000	-18.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6436	0.7025		54600	50000	9.1	20.0
2-tertbutyl-4-methylphenol	Ave	0.5182	0.5217		50300	50000	0.7	20.0
2,4,6-Trichlorophenol	Ave	0.4169	0.4621		55400	50000	10.8	20.0
2,4,5-Trichlorophenol	Ave	0.4353	0.5024		57700	50000	15.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Lab Sample ID: CCVIS 460-117507/2 Calibration Date: 06/26/2012 08:05

Instrument ID: BNAMS4 Calib Start Date: 06/20/2012 15:47

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 06/20/2012 17:43

Lab File ID: u77750.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diphenyl	Ave	1.341	1.514		56500	50000	12.9	20.0
2-Chloronaphthalene	Ave	1.129	1.201		53200	50000	6.3	20.0
Diphenyl ether	Ave	0.7610	0.8560		56200	50000	12.5	20.0
2-Nitroaniline	Ave	0.5726	0.6086		53100	50000	6.3	20.0
Dimethylnaphthalene, total	Ave	0.8477	0.9788		57700	50000	15.5	20.0
Dimethyl phthalate	Ave	1.329	1.424		53600	50000	7.2	20.0
Coumarin	Ave	0.2555	0.2779		54400	50000	8.8	20.0
2,6-Dinitrotoluene	Ave	0.3150	0.3510		55700	50000	11.4	20.0
Acenaphthylene	Ave	1.675	1.886		56300	50000	12.7	20.0
3-Nitroaniline	Ave	0.2988	0.3374		56500	50000	12.9	20.0
Acenaphthene	Ave	1.011	1.100		54400	50000	8.8	20.0
3,5-di-tert-butyl-4-hydroxytoluene	Ave	0.9489	0.9235		48700	50000	-2.7	20.0
2,4-Dinitrophenol	QuaF	0.1803	0.2190	0.0500	55900	50000	11.7	20.0
4-Nitrophenol	Ave	0.3925	0.4132	0.0500	52600	50000	5.3	20.0
Dibenzofuran	Ave	1.591	1.706		53600	50000	7.3	20.0
2,4-Dinitrotoluene	Ave	0.4153	0.4711		56700	50000	13.4	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3305	0.3671		55500	50000	11.1	20.0
Diethyl phthalate	Ave	1.389	1.486		53500	50000	7.0	20.0
Fluorene	Ave	1.242	1.408		56700	50000	13.4	20.0
4-Chlorophenyl phenyl ether	Ave	0.6390	0.6537		51100	50000	2.3	20.0
4-Nitroaniline	Ave	0.2640	0.2885		54600	50000	9.3	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1575	0.1770		56200	50000	12.4	20.0
N-Nitrosodiphenylamine	Ave	0.5292	0.5310		50200	50000	0.4	20.0
1,2-Diphenylhydrazine	Ave	1.419	1.467		51700	50000	3.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2296	0.2357		51300	50000	2.7	20.0
Hexachlorobenzene	Ave	0.2869	0.3030		52800	50000	5.6	20.0
Atrazine	Ave	0.2161	0.2409		55700	50000	11.5	20.0
Pentachlorophenol	QuaF	0.1718	0.1760		49500	50000	-1.1	20.0
Pentachloronitrobenzene	Ave	0.1356	0.1252		46200	50000	-7.7	
n-Octadecane	Ave	0.7439	0.7032		47300	50000	-5.5	20.0
Phenanthrene	Ave	1.117	1.090		48800	50000	-2.4	20.0
Anthracene	Ave	1.125	1.120		49800	50000	-0.5	20.0
Carbazole	Ave	0.9591	1.003		52300	50000	4.5	20.0
Di-n-butyl phthalate	Ave	1.432	1.419		49500	50000	-0.9	20.0
Fluoranthene	Ave	1.143	1.125		49200	50000	-1.6	20.0
Benzidine	Ave	0.2311	0.0893		19300	50000	-61.4*	20.0
Pyrene	Ave	1.482	1.563		52700	50000	5.5	20.0
Butyl benzyl phthalate	Ave	0.7446	0.8101		54400	50000	8.8	20.0
2,3,7,8-TCDD (Screen)	Ave	0.1197	0.1902		794	500	58.8*	20.0
Carbamazepine	Ave	0.4526	0.4742		52400	50000	4.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-117507/2 Calibration Date: 06/26/2012 08:05
 Instrument ID: BNAMS4 Calib Start Date: 06/20/2012 15:47
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 06/20/2012 17:43
 Lab File ID: u77750.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	Ave	0.3443	0.3110		45200	50000	-9.7	20.0
Benzo[a]anthracene	Ave	1.171	1.140		48700	50000	-2.7	20.0
Chrysene	Ave	1.019	1.032		50600	50000	1.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9556	0.9898		51800	50000	3.6	20.0
Di-n-octyl phthalate	Ave	2.181	1.984		45500	50000	-9.1	20.0
Benzo[b]fluoranthene	LinF	1.317	1.212		40300	50000	-19.5	20.0
Benzo[k]fluoranthene	Ave	1.369	1.131		41300	50000	-17.4	20.0
Benzo[a]pyrene	Ave	1.048	1.005		48000	50000	-4.0	20.0
Indeno[1,2,3-cd]pyrene	LinF	0.9543	0.9534		42800	50000	-14.5	20.0
Dibenz(a,h)anthracene	QuaF	0.9282	0.8883		45700	50000	-8.5	20.0
Benzo[g,h,i]perylene	Ave	0.9797	0.9310		47500	50000	-5.0	20.0
2-Fluorophenol	Ave	1.352	1.506		55700	50000	11.4	20.0
Phenol-d5	Ave	1.996	2.281		57100	50000	14.2	20.0
Nitrobenzene-d5	Ave	0.6170	0.5910		47900	50000	-4.2	20.0
2-Fluorobiphenyl	Ave	1.269	1.478		58200	50000	16.5	20.0
2,4,6-Tribromophenol	Ave	0.2481	0.2678		54000	50000	8.0	20.0
Terphenyl-d14	Ave	1.003	1.016		50600	50000	1.3	20.0

Data File: /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77750.d
 Report Date: 26-Jun-2012 08:39

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77750.d
 Lab Smp Id: CCVIS-1519304
 Inj Date : 26-JUN-2012 08:05
 Operator : BNAMS 4
 Smp Info : CCVIS-1519304
 Misc Info : 50 ppm bna 4672
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/8270C_11.m
 Meth Date : 26-Jun-2012 08:39 croccom Quant Type: ISTD
 Cal Date : 20-JUN-2012 17:43 Cal File: u77571.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	0.00000	% Moisture

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	1.130	1.130	(0.306)	73473		50.0000	45
19 N-Nitrosodimethylamine	74	1.341	1.341	(0.363)	166345		50.0000	54
71 Pyridine	79	1.356	1.356	(0.367)	251714		50.0000	52
\$ 16 2-Fluorophenol (SUR)	112	2.421	2.421	(0.656)	233666		50.0000	56
110 Benzaldehyde	77	3.235	3.235	(0.876)	50256		50.0000	22
73 Aniline	93	3.360	3.360	(0.910)	402978		50.0000	56
\$ 17 Phenol-d5 (SUR)	99	3.368	3.368	(0.912)	353753		50.0000	57
1 Phenol	94	3.383	3.383	(0.916)	374659		50.0000	56
20 bis(2-Chloroethyl)ether	93	3.442	3.442	(0.932)	270957		50.0000	53
2 2-Chlorophenol	128	3.486	3.486	(0.944)	217460		50.0000	56
113 n-decane	43	3.545	3.545	(0.960)	319485		50.0000	48
21 1,3-Dichlorobenzene	146	3.632	3.632	(0.984)	235858		50.0000	52
* 79 1,4-Dichlorobenzene-d4	152	3.692	3.692	(1.000)	124090		40.0000	

Data File: /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77750.d
 Report Date: 26-Jun-2012 08:39

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.707	3.707	(1.004)	244855	50.0000	52
74 Benzyl Alcohol	108	3.861	3.861	(1.046)	172273	50.0000	57
23 1,2-Dichlorobenzene	146	3.861	3.861	(1.046)	243627	50.0000	55
24 bis (2-chloroisopropyl) ether	45	3.987	3.987	(1.080)	501591	50.0000	52
3 2-Methylphenol	108	3.995	3.995	(1.082)	241199	50.0000	57
104 Acetophenone	105	4.128	4.128	(1.118)	373940	50.0000	52
25 N-Nitroso-di-n-propylamine	70	4.143	4.143	(1.122)	250766	50.0000	54
4 4-Methylphenol	108	4.166	4.166	(1.128)	252791	50.0000	58
123 3 & 4 Methylphenol	108	4.166	4.166	(1.128)	252791	50.0000	58
26 Hexachloroethane	117	4.203	4.203	(1.138)	127085	50.0000	50
\$ 76 Nitrobenzene-d5 (SUR)	82	4.277	4.277	(0.856)	362658	50.0000	48
27 Nitrobenzene	77	4.298	4.298	(0.860)	459012	50.0000	46
107 N,N-Dimethylaniline	120	4.298	4.298	(1.164)	341257	50.0000	59
28 Isophorone	82	4.549	4.549	(0.911)	611547	50.0000	48
5 2-Nitrophenol	139	4.615	4.615	(0.924)	142518	50.0000	56
6 2,4-Dimethylphenol	122	4.702	4.702	(0.941)	202021	50.0000	54
29 bis(2-Chloroethoxy)methane	93	4.782	4.782	(0.957)	308115	50.0000	48
7 2,4-Dichlorophenol	162	4.876	4.876	(0.976)	218710	50.0000	53
15 Benzoic Acid	122	4.906	4.906	(0.982)	123287	50.0000	56
30 1,2,4-Trichlorobenzene	180	4.943	4.943	(0.990)	230717	50.0000	51
* 80 Naphthalene-d8	136	4.995	4.995	(1.000)	490927	40.0000	
31 Naphthalene	128	5.018	5.018	(1.004)	593081	50.0000	49
32 4-Chloroaniline	127	5.092	5.092	(1.019)	231998	50.0000	47
33 Hexachlorobutadiene	225	5.158	5.158	(1.033)	135931	50.0000	44
111 Caprolactam	113	5.523	5.523	(1.106)	64694	50.0000	46
8 4-Chloro-3-methylphenol	107	5.627	5.627	(1.126)	259309	50.0000	51
34 2-Methylnaphthalene	142	5.724	5.724	(1.146)	397190	50.0000	50
120 1-Methylnaphthalene	142	5.819	5.819	(1.165)	422912	50.0000	52
35 Hexachlorocyclopentadiene	237	5.885	5.885	(0.871)	118148	50.0000	41
129 1,2,4,5-Tetrachlorobenzene	216	5.900	5.900	(0.873)	243855	50.0000	54
121 2-tert-Butyl-4-methylphenol	149	5.967	5.967	(1.194)	320152	50.0000	50
9 2,4,6-Trichlorophenol	196	6.025	6.025	(0.892)	160395	50.0000	55
10 2,4,5-Trichlorophenol	196	6.070	6.070	(0.898)	174413	50.0000	58
\$ 77 2-Fluorobiphenyl (SUR)	172	6.100	6.100	(0.903)	512986	50.0000	58
102 Diphenyl	154	6.194	6.194	(0.917)	525614	50.0000	56
36 2-Chloronaphthalene	162	6.208	6.208	(0.919)	416816	50.0000	53
103 Diphenyl Ether	170	6.298	6.298	(0.932)	297160	50.0000	56
37 2-Nitroaniline	65	6.333	6.333	(0.937)	211277	50.0000	53
125 1,3-Dimethylnaphthalene	156	6.430	6.430	(0.952)	339776	50.0000	58
38 Dimethylphthalate	163	6.527	6.527	(0.966)	494300	50.0000	54
114 Coumarin	146	6.534	6.534	(1.308)	170556	50.0000	54
40 2,6-Dinitrotoluene	165	6.579	6.579	(0.974)	121846	50.0000	56
39 Acenaphthylene	152	6.616	6.616	(0.979)	654852	50.0000	56
41 3-Nitroaniline	138	6.741	6.741	(0.998)	117116	50.0000	56
* 82 Acenaphthene-d10	164	6.756	6.756	(1.000)	277709	40.0000	
42 Acenaphthene	154	6.792	6.792	(1.005)	381747	50.0000	54
122 2,6-Di-tert-butyl-p-cresol	205	6.806	6.806	(1.007)	320572	50.0000	49

Data File: /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77750.d
 Report Date: 26-Jun-2012 08:39

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
11 2,4-Dinitrophenol	184	6.851	6.851	(1.014)	76013	50.0000	56
12 4-Nitrophenol	65	6.955	6.955	(1.029)	143432	50.0000	53(H)
43 Dibenzofuran	168	6.963	6.963	(1.031)	592335	50.0000	54
44 2,4-Dinitrotoluene	165	6.978	6.978	(1.033)	163525	50.0000	57
130 2,3,4,6-Tetrachlorophenol	232	7.096	7.096	(1.050)	127425	50.0000	56
45 Diethylphthalate	149	7.223	7.223	(1.069)	515729	50.0000	53
47 Fluorene	166	7.297	7.297	(1.080)	488903	50.0000	57
46 4-Chlorophenyl-phenylether	204	7.305	7.305	(1.081)	226904	50.0000	51
48 4-Nitroaniline	138	7.357	7.357	(1.089)	100134	50.0000	55
13 4,6-Dinitro-2-methylphenol	198	7.394	7.394	(0.900)	101307	50.0000	56
49 N-Nitrosodiphenylamine	169	7.431	7.431	(0.905)	303857	50.0000	50
75 1,2-Diphenylhydrazine	77	7.461	7.461	(0.908)	839331	50.0000	52
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.543	7.543	(1.116)	92965	50.0000	54
50 4-Bromophenyl-phenylether	248	7.780	7.780	(0.947)	134871	50.0000	51
51 Hexachlorobenzene	284	7.846	7.846	(0.955)	173403	50.0000	53
112 Atrazine	200	7.979	7.979	(0.971)	137822	50.0000	56
14 Pentachlorophenol	266	8.044	8.044	(0.979)	100715	50.0000	49
132 Pentachloronitrobenzene	237	8.059	8.059	(0.981)	71631	50.0000	46
115 n-Octadecane	57	8.148	8.148	(0.992)	402369	50.0000	47
* 83 Phenanthrene-d10	188	8.214	8.214	(1.000)	457780	40.0000	
52 Phenanthrene	178	8.236	8.236	(1.003)	623798	50.0000	49
53 Anthracene	178	8.289	8.289	(1.009)	640619	50.0000	50
54 Carbazole	167	8.457	8.457	(1.030)	573716	50.0000	52
55 Di-n-butylphthalate	149	8.818	8.818	(1.073)	812246	50.0000	50
56 Fluoranthene	202	9.399	9.399	(1.144)	643589	50.0000	49
58 Benzidine	184	9.537	9.537	(1.161)	51102	50.0000	19
57 Pyrene	202	9.617	9.617	(0.886)	647688	50.0000	53
\$ 78 Terphenyl-d14	244	9.779	9.779	(0.901)	420795	50.0000	51
109 2,3,7,8-TCDD (Screen)	320	10.356	10.356	(0.955)	788	0.50000	0.79(M)
59 Butylbenzylphthalate	149	10.277	10.277	(0.947)	335647	50.0000	54
124 Carbamazepine	193	10.379	10.379	(0.957)	196467	50.0000	52
60 3,3'-Dichlorobenzidine	252	10.821	10.821	(0.997)	128847	50.0000	45
61 Benzo(a)anthracene	228	10.828	10.828	(0.998)	472228	50.0000	49
* 81 Chrysene-d12	240	10.850	10.850	(1.000)	331449	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.902	10.902	(1.005)	410085	50.0000	52
62 Chrysene	228	10.879	10.879	(1.003)	427662	50.0000	51
64 Di-n-octylphthalate	149	11.673	11.673	(0.927)	588261	50.0000	45
65 Benzo(b)fluoranthene	252	12.113	12.113	(0.962)	359475	50.0000	40
66 Benzo(k)fluoranthene	252	12.143	12.143	(0.964)	335403	50.0000	41
67 Benzo(a)pyrene	252	12.517	12.517	(0.994)	298194	50.0000	48
* 84 Perylene-d12	264	12.591	12.591	(1.000)	237254	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.967	13.967	(1.109)	282759	50.0000	43(M)
69 Dibenz(a,h)anthracene	278	13.997	13.997	(1.112)	263427	50.0000	46
70 Benzo(g,h,i)perylene	276	14.304	14.304	(1.136)	276116	50.0000	48

Data File: /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77750.d
Report Date: 26-Jun-2012 08:39

QC Flag Legend

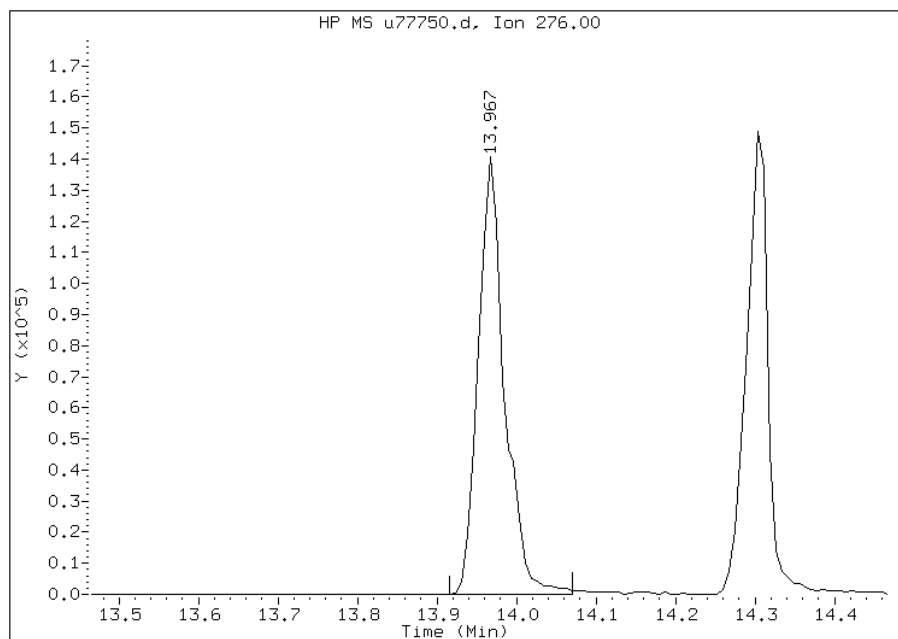
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Manual Integration Report

Data File: u77750.d
Inj. Date and Time: 26-JUN-2012 08:05
Instrument ID: BNAMS4.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 06/26/2012

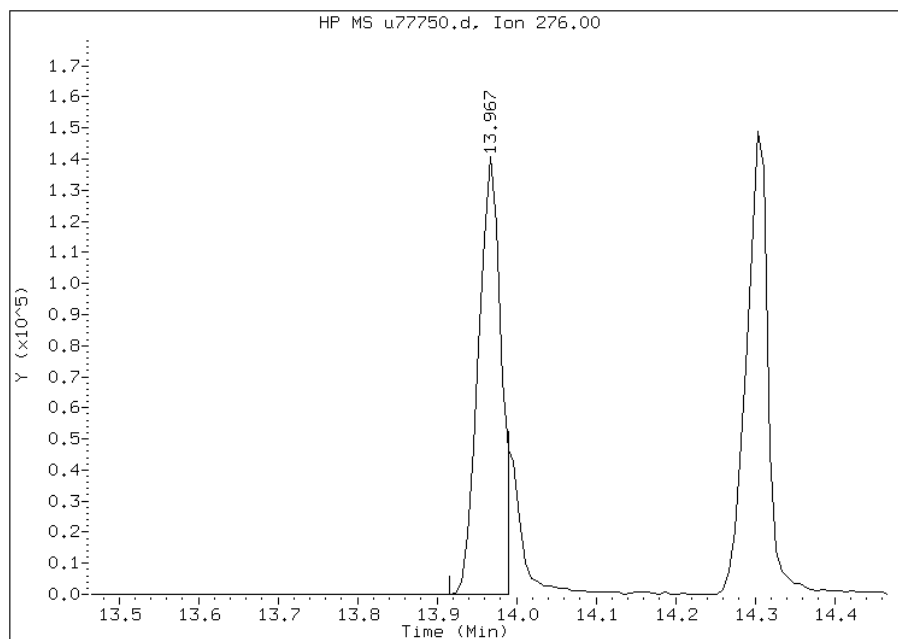
Processing Integration Results

RT: 13.97
Response: 325256
Amount: 49
Conc: 49



Manual Integration Results

RT: 13.97
Response: 282759
Amount: 43
Conc: 43



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

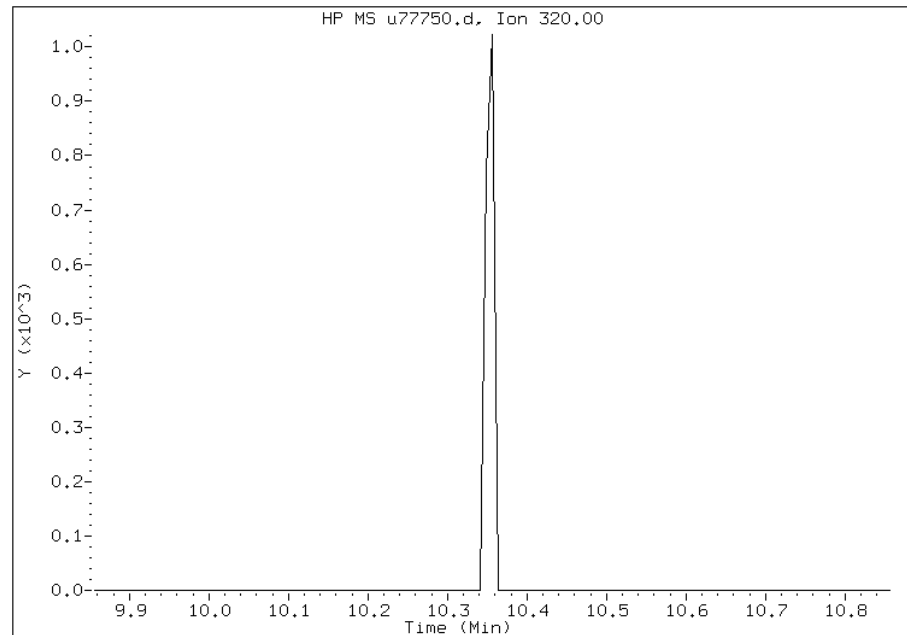
Manual Integration Report

Data File: u77750.d
Inj. Date and Time: 26-JUN-2012 08:05
Instrument ID: BNAMS4.i
Client ID:
Compound: 109 2,3,7,8-TCDD (Screen)
CAS #:
Report Date: 06/26/2012

Processing Integration Results

Not Detected

Expected RT: 10.36



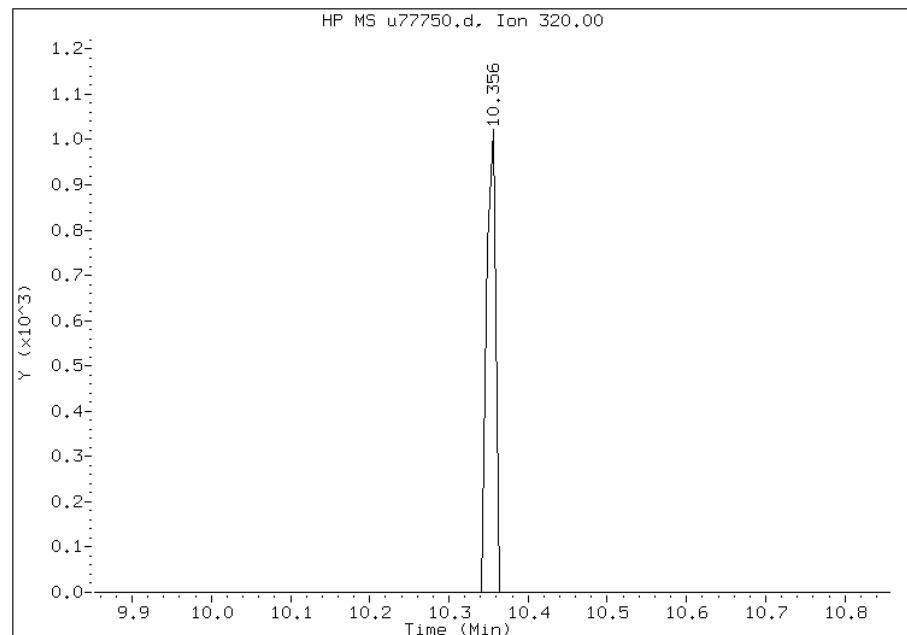
Manual Integration Results

RT: 10.36

Response: 788

Amount: 1

Conc: 1



Manually Integrated By: wahied
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19012.d
 Report Date: 24-Jun-2012 23:53

TestAmerica

Data file : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19012.d
 Lab Smp Id: DFTPP-1427854
 Inj Date : 24-JUN-2012 23:35
 Operator : BNAMS3 Inst ID: BNAMS11.i
 Smp Info : DFTPP-1427854
 Misc Info : 25 ppm bna 4642
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/24jun12.b/BNADFTPP.m
 Meth Date : 12-Jun-2012 14:00 monica Quant Type: ESTD
 Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
 Als bottle: 1 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: None

CONCENTRATIONS									
					ON-COL	FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====		=====
1 dftpp					CAS #:				
4.262	4.500	-0.238	198	24345			0.00-	100.00	100.00
4.262	4.500	-0.238	51	11330			30.00-	60.00	46.54
4.262	4.500	-0.238	68	0			0.00-	2.00	0.00
4.262	4.500	-0.238	69	10993			0.00-	0.00	45.16
4.262	4.500	-0.238	70	0			0.00-	2.00	0.00
4.262	4.500	-0.238	127	13437			40.00-	60.00	55.19
4.262	4.500	-0.238	197	0			0.00-	1.00	0.00
4.262	4.500	-0.238	199	1453			5.00-	9.00	5.97
4.262	4.500	-0.238	275	6407			10.00-	30.00	26.32
4.262	4.500	-0.238	365	957			1.00-	0.00	3.93
4.262	4.500	-0.238	441	2927			0.01-	100.00	77.39
4.262	4.500	-0.238	442	20032			40.00-	110.00	82.28
4.262	4.500	-0.238	443	3782			17.00-	23.00	18.88

Data File: z19012.d

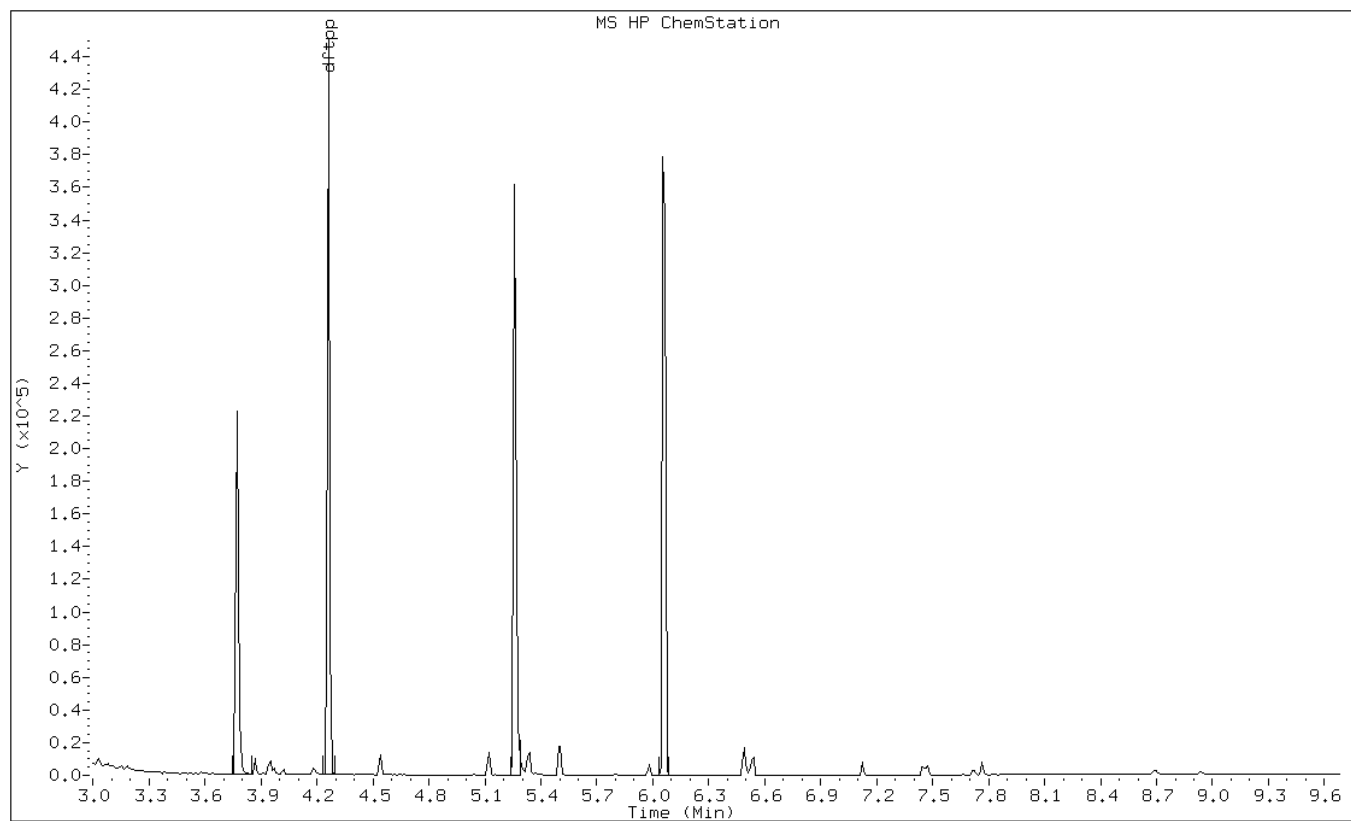
Date: 24-JUN-2012 23:35

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1427854

Operator: BNAMS3



Data File: z19012.d

Date: 24-JUN-2012 23:35

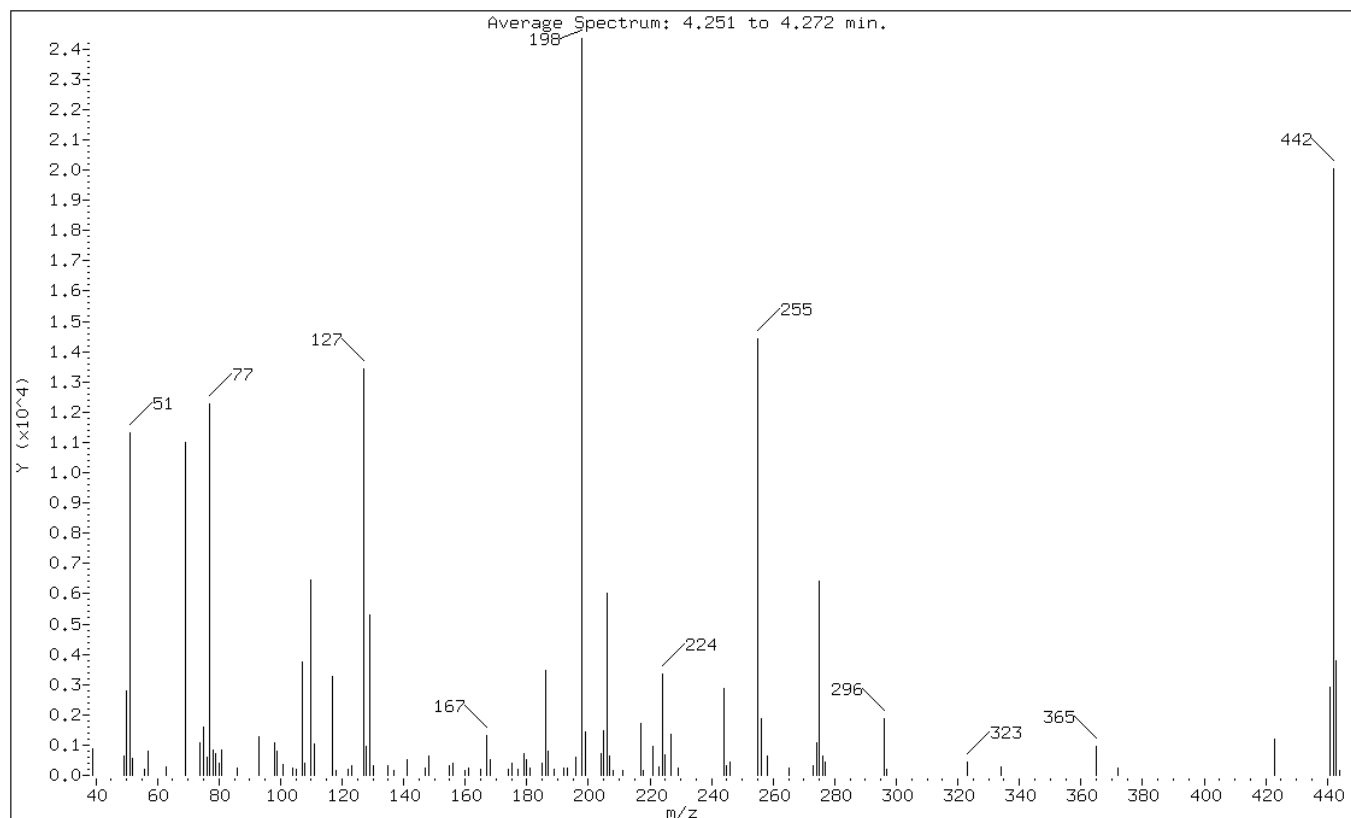
Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1427854

Operator: BNAMS3

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	46.54
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	45.16
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	55.19
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	5.97
275	10.00 - 30.00% of mass 198	26.32
365	Greater than 1.00% of mass 198	3.93
441	0.01 - 100.00% of mass 443	12.02 (77.39)
442	40.00 - 110.00% of mass 198	82.28
443	17.00 - 23.00% of mass 442	15.54 (18.88)

Data File: z19012.d

Date: 24-JUN-2012 23:35

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1427854

Operator: BNAMS3

Data File: /chem/BNAMS11.i/8270/06-24-12/24jun12.b/z19012.d
Spectrum: Average Spectrum: 4.251 to 4.272 min.
Location of Maximum: 198.00
Number of points: 100

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	885	110.00	6466	180.00	536	245.00	302
49.00	624	111.00	1017	181.00	235	246.00	431
50.00	2796	117.00	3283	185.00	391	255.00	14419
51.00	11330	118.00	174	186.00	3474	256.00	1877
52.00	575	122.00	195	187.00	778	258.00	636
56.00	209	123.00	319	189.00	203	265.00	256
57.00	782	127.00	13437	192.00	250	273.00	321
63.00	296	128.00	944	193.00	248	274.00	1075
69.00	10993	129.00	5294	196.00	578	275.00	6407
74.00	1064	130.00	325	198.00	24344	276.00	632
75.00	1599	135.00	318	199.00	1453	277.00	447
76.00	616	137.00	169	204.00	727	296.00	1890
77.00	12260	141.00	503	205.00	1471	297.00	194
78.00	820	147.00	249	206.00	6004	323.00	451
79.00	720	148.00	635	207.00	623	334.00	275
80.00	404	155.00	301	208.00	167	365.00	957
81.00	830	156.00	401	211.00	174	372.00	221
86.00	243	160.00	171	217.00	1724	423.00	1187
93.00	1293	161.00	227	218.00	171	441.00	2927
98.00	1056	165.00	201	221.00	938	442.00	20032
99.00	800	167.00	1313	223.00	286	443.00	3782
101.00	354	168.00	526	224.00	3333	444.00	169
104.00	224	174.00	213	225.00	670		
105.00	217	175.00	384	227.00	1367		
107.00	3761	177.00	183	229.00	230		
108.00	394	179.00	737	244.00	2870		

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19058.d
 Report Date: 26-Jun-2012 08:41

TestAmerica

Data file : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19058.d
 Lab Smp Id: DFTPP-1427854
 Inj Date : 26-JUN-2012 08:16
 Operator : BNA2
 Smp Info : DFTPP-1427854
 Misc Info : 25 ppm bna 4642
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/BNADFTPP.m
 Meth Date : 12-Jun-2012 14:00 monica
 Cal Date : 11-JAN-2010 13:45
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: BNAMS11.i
 Quant Type: ESTD
 Cal File: h85796.d
 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 #:				
4.230	4.500	-0.270	198	16784			0.00- 100.00	100.00	
4.230	4.500	-0.270	51	8035			30.00- 60.00	47.87	
4.230	4.500	-0.270	68	0			0.00- 2.00	0.00	
4.230	4.500	-0.270	69	7609			0.00- 0.00	45.33	
4.230	4.500	-0.270	70	0			0.00- 2.00	0.00	
4.230	4.500	-0.270	127	9113			40.00- 60.00	54.30	
4.230	4.500	-0.270	197	0			0.00- 1.00	0.00	
4.230	4.500	-0.270	199	1117			5.00- 9.00	6.66	
4.230	4.500	-0.270	275	4303			10.00- 30.00	25.64	
4.230	4.500	-0.270	365	680			1.00- 0.00	4.05	
4.230	4.500	-0.270	441	1932			0.01- 100.00	72.93	
4.230	4.500	-0.270	442	13946			40.00- 110.00	83.09	
4.230	4.500	-0.270	443	2649			17.00- 23.00	18.99	

Data File: z19058.d

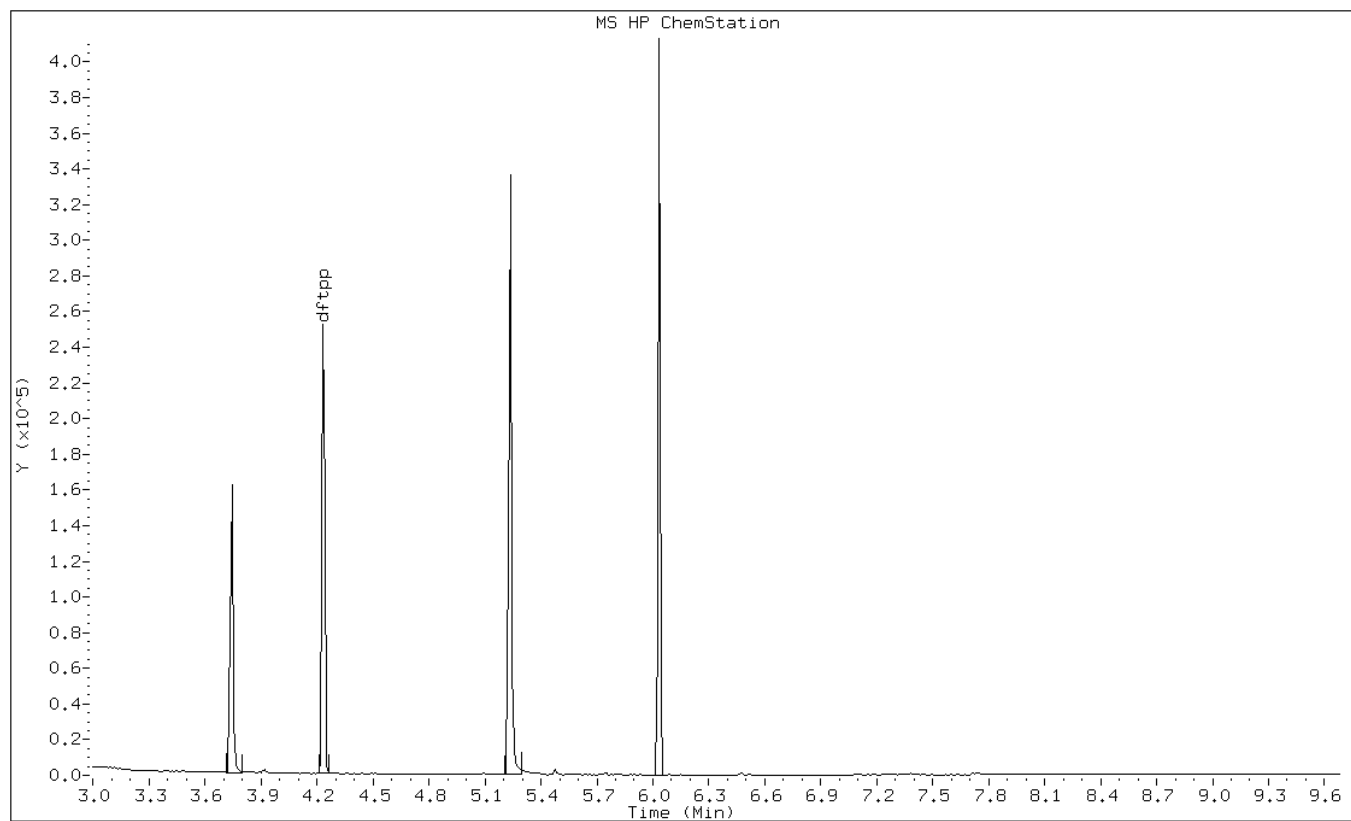
Date: 26-JUN-2012 08:16

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1427854

Operator: BNA2



Data File: z19058.d

Date: 26-JUN-2012 08:16

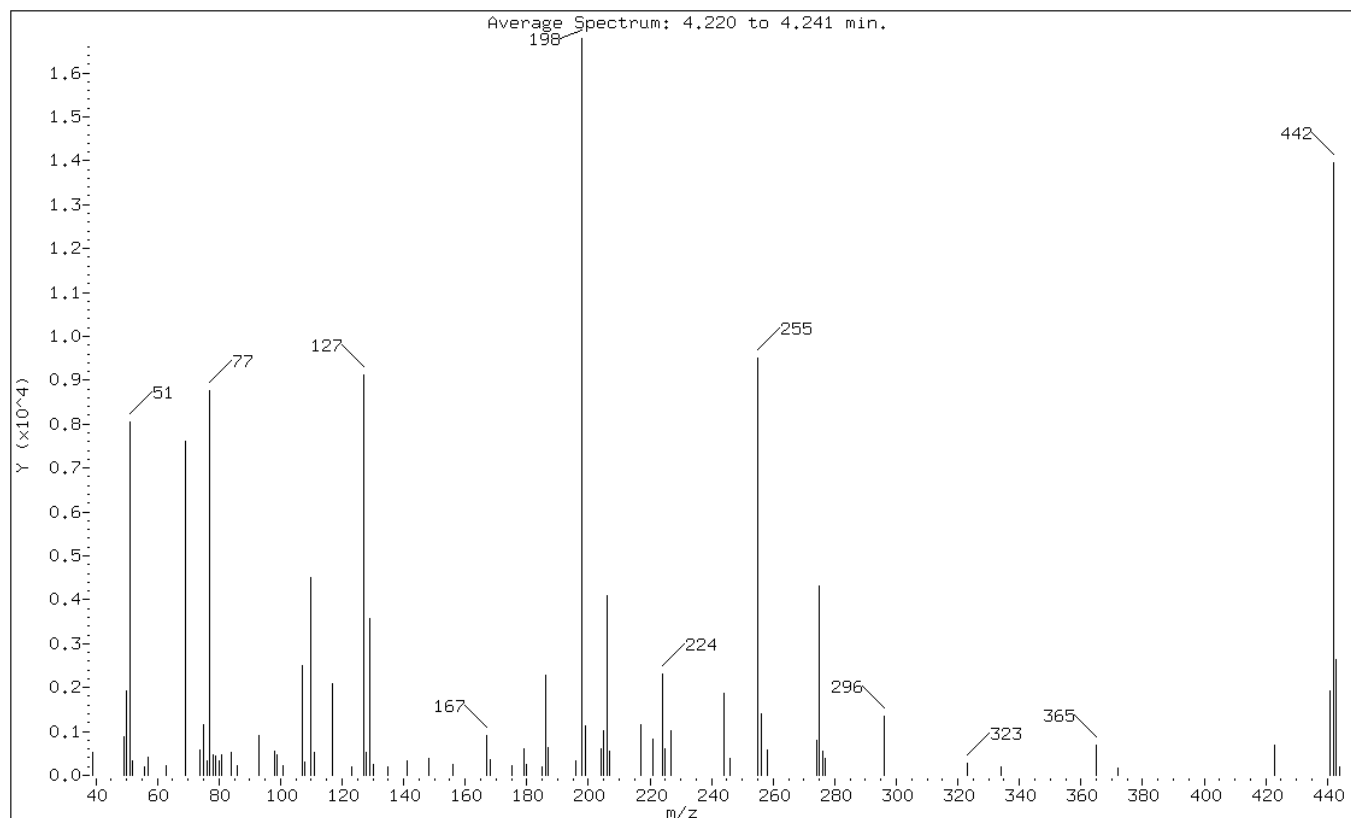
Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1427854

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	47.87
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	45.33
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	54.30
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.66
275	10.00 - 30.00% of mass 198	25.64
365	Greater than 1.00% of mass 198	4.05
441	0.01 - 100.00% of mass 443	11.51 (72.93)
442	40.00 - 110.00% of mass 198	83.09
443	17.00 - 23.00% of mass 442	15.78 (18.99)

Data File: z19058.d

Date: 26-JUN-2012 08:16

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1427854

Operator: BNA2

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19058.d
Spectrum: Average Spectrum: 4.220 to 4.241 min.
Location of Maximum: 198.00
Number of points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	525	98.00	540	179.00	615	256.00	1393
49.00	877	99.00	461	180.00	260	258.00	572
50.00	1920	101.00	225	185.00	196	274.00	801
51.00	8035	107.00	2488	186.00	2285	275.00	4303
52.00	329	108.00	294	187.00	641	276.00	560
56.00	184	110.00	4499	196.00	333	277.00	394
57.00	403	111.00	520	198.00	16784	296.00	1337
63.00	228	117.00	2079	199.00	1117	323.00	283
69.00	7609	123.00	180	204.00	603	334.00	205
74.00	583	127.00	9113	205.00	1011	365.00	680
75.00	1156	128.00	517	206.00	4094	372.00	176
76.00	341	129.00	3570	207.00	552	423.00	683
77.00	8752	130.00	236	217.00	1156	441.00	1932
78.00	469	135.00	202	221.00	822	442.00	13946
79.00	450	141.00	333	224.00	2304	443.00	2649
80.00	324	148.00	389	225.00	601	444.00	184
81.00	457	156.00	260	227.00	1007		
84.00	530	167.00	900	244.00	1873		
86.00	228	168.00	354	246.00	393		
93.00	905	175.00	229	255.00	9498		

Data File: /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19087.d
 Report Date: 27-Jun-2012 09:07

TestAmerica

Data file : /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19087.d
 Lab Smp Id: DFTPP-1427854
 Inj Date : 27-JUN-2012 08:49
 Operator : BNA2
 Smp Info : DFTPP-1427854
 Misc Info : 25 ppm bna 4642
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/27jun12.b/BNADFTPP.m
 Meth Date : 12-Jun-2012 14:00 monica
 Cal Date : 11-JAN-2010 13:45
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS11.i
 Quant Type: ESTD
 Cal File: h85796.d
 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 #:				
4.210	4.500	-0.290	198	22533			0.00- 100.00		100.00
4.210	4.500	-0.290	51	11049			30.00- 60.00		49.03
4.210	4.500	-0.290	68	0			0.00- 2.00		0.00
4.210	4.500	-0.290	69	10868			0.00- 0.00		48.23
4.210	4.500	-0.290	70	0			0.00- 2.00		0.00
4.210	4.500	-0.290	127	12838			40.00- 60.00		56.97
4.210	4.500	-0.290	197	0			0.00- 1.00		0.00
4.210	4.500	-0.290	199	1497			5.00- 9.00		6.64
4.210	4.500	-0.290	275	5795			10.00- 30.00		25.72
4.210	4.500	-0.290	365	963			1.00- 0.00		4.27
4.210	4.500	-0.290	441	2624			0.01- 100.00		75.04
4.210	4.500	-0.290	442	17979			40.00- 110.00		79.79
4.210	4.500	-0.290	443	3497			17.00- 23.00		19.45

Data File: z19087.d

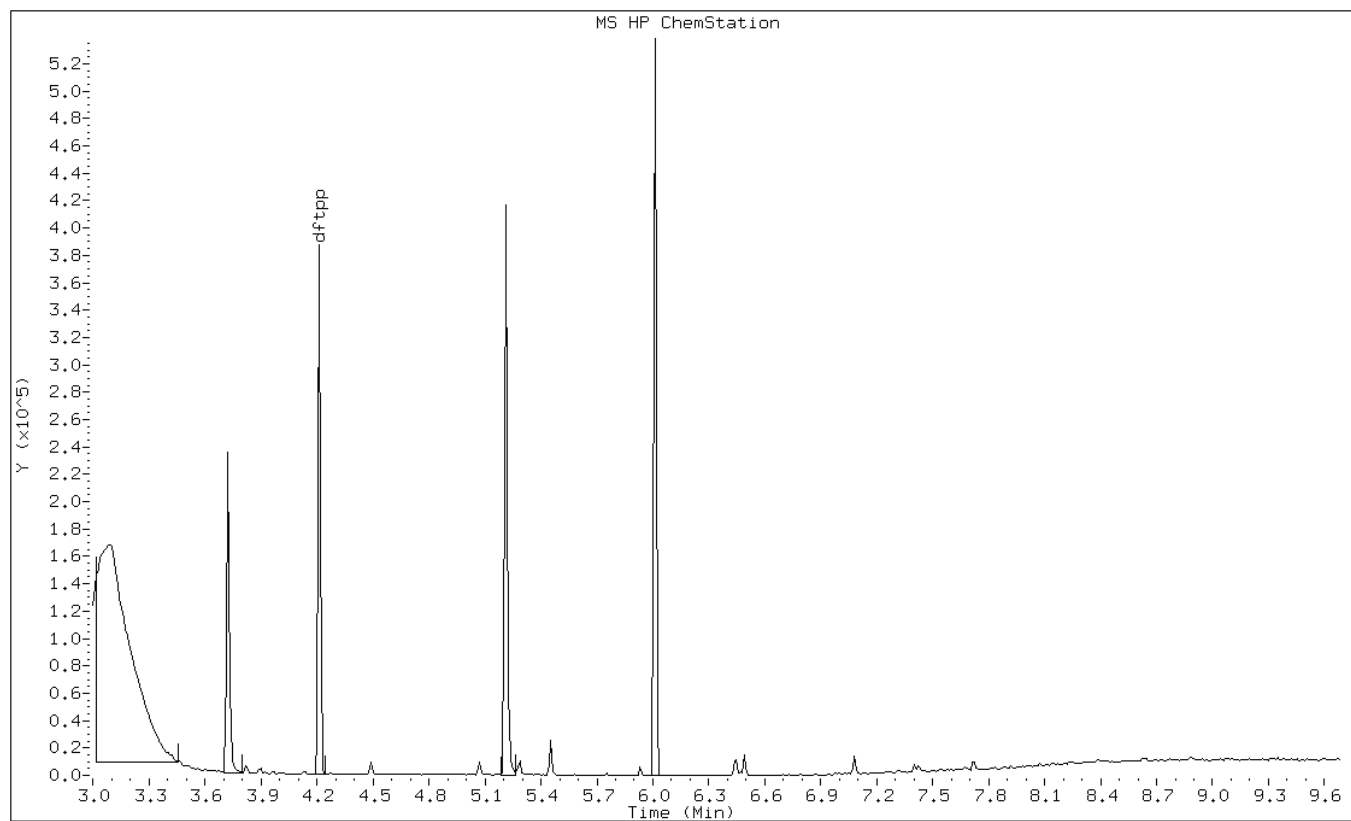
Date: 27-JUN-2012 08:49

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1427854

Operator: BNA2



Data File: z19087.d

Date: 27-JUN-2012 08:49

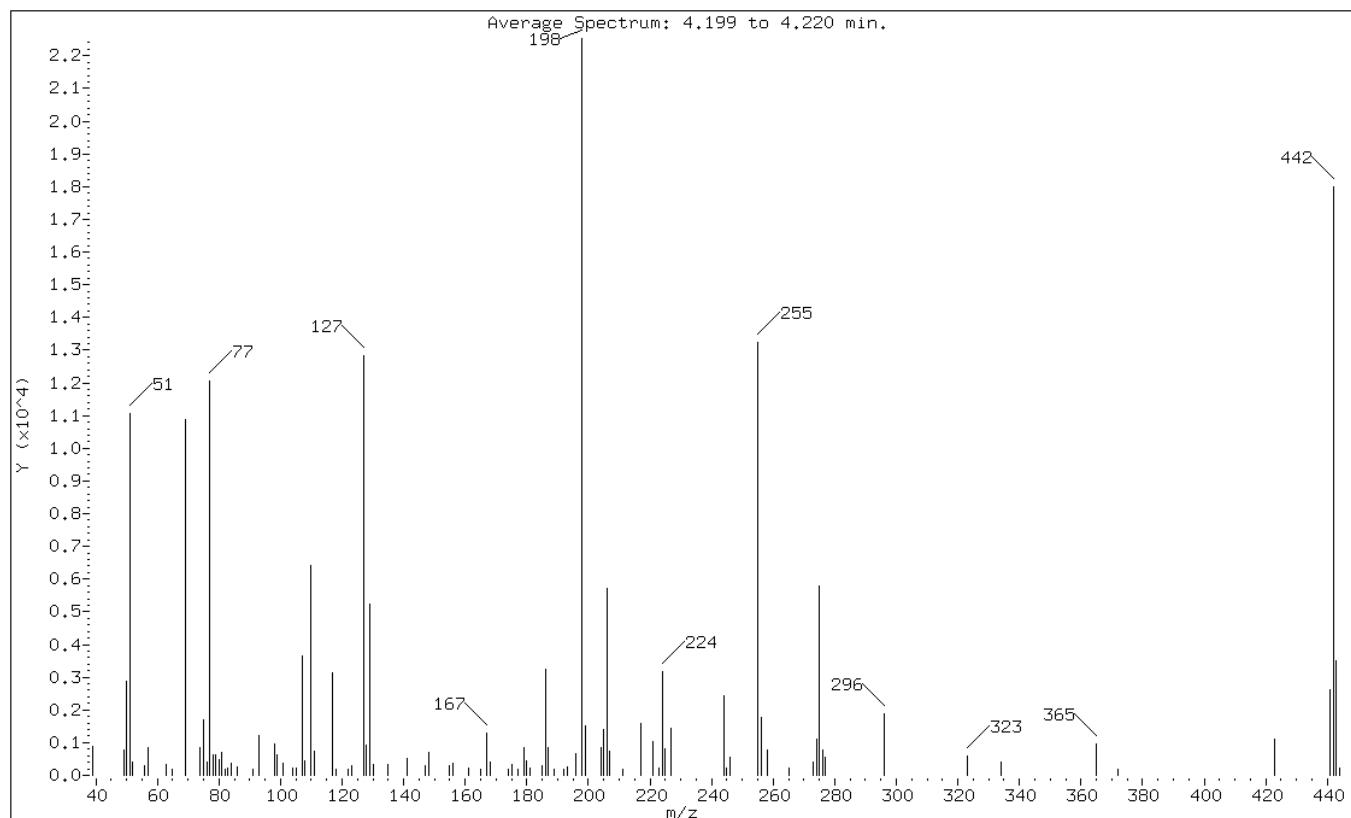
Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1427854

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	49.03
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	48.23
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	56.97
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.64
275	10.00 - 30.00% of mass 198	25.72
365	Greater than 1.00% of mass 198	4.27
441	0.01 - 100.00% of mass 443	11.65 (75.04)
442	40.00 - 110.00% of mass 198	79.79
443	17.00 - 23.00% of mass 442	15.52 (19.45)

Data File: z19087.d

Date: 27-JUN-2012 08:49

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1427854

Operator: BNA2

Data File: /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19087.d

Spectrum: Average Spectrum: 4.199 to 4.220 min.

Location of Maximum: 198.00

Number of points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	881	99.00	628	168.00	415	225.00	793
49.00	756	101.00	374	174.00	191	227.00	1454
50.00	2886	104.00	222	175.00	315	244.00	2429
51.00	11049	105.00	235	177.00	194	245.00	205
52.00	406	107.00	3649	179.00	855	246.00	554
56.00	291	108.00	426	180.00	439	255.00	13243
57.00	839	110.00	6398	181.00	203	256.00	1788
63.00	337	111.00	753	185.00	307	258.00	792
65.00	182	117.00	3125	186.00	3228	265.00	208
69.00	10868	118.00	189	187.00	847	273.00	398
74.00	854	122.00	171	189.00	172	274.00	1106
75.00	1695	123.00	301	192.00	184	275.00	5795
76.00	419	127.00	12838	193.00	259	276.00	790
77.00	12040	128.00	906	196.00	654	277.00	545
78.00	617	129.00	5253	198.00	22528	296.00	1877
79.00	624	130.00	339	199.00	1497	323.00	592
80.00	487	135.00	323	204.00	843	334.00	388
81.00	685	141.00	500	205.00	1413	365.00	963
82.00	172	147.00	278	206.00	5701	372.00	188
83.00	205	148.00	713	207.00	749	423.00	1097
84.00	351	155.00	284	211.00	182	441.00	2624
86.00	273	156.00	384	217.00	1592	442.00	17976
91.00	177	161.00	227	221.00	1031	443.00	3497
93.00	1218	165.00	183	223.00	226	444.00	217
98.00	943	167.00	1305	224.00	3162		

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77565.d
Report Date: 20-Jun-2012 17:37

TestAmerica

Data file : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77565.d
Lab Smp Id: DFTPP-1427854
Inj Date : 20-JUN-2012 15:28
Operator : BNA2
Smp Info : DFTPP-1427854
Misc Info : 25ng/uL DFTPP Lot 4642
Comment :
Method : /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/BNADFTPP.m
Meth Date : 27-May-2012 09:51 czhao
Cal Date : 11-JAN-2010 13:45
Als bottle: 96
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Inst ID: BNAMS4.i
Quant Type: ESTD
Cal File: h85796.d
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 #:				
4.558	5.000	-0.442	198	139554			0.00- 100.00	100.00	
4.558	5.000	-0.442	51	74144			30.00- 60.00	53.13	
4.558	5.000	-0.442	68	0			0.00- 2.00	0.00	
4.558	5.000	-0.442	69	98589			0.00- 0.00	70.65	
4.558	5.000	-0.442	70	362			0.00- 2.00	0.37	
4.558	5.000	-0.442	127	67050			40.00- 60.00	48.05	
4.558	5.000	-0.442	197	0			0.00- 1.00	0.00	
4.558	5.000	-0.442	199	10185			5.00- 9.00	7.30	
4.558	5.000	-0.442	275	28736			10.00- 30.00	20.59	
4.558	5.000	-0.442	365	3976			1.00- 0.00	2.85	
4.558	5.000	-0.442	441	12888			0.01- 100.00	76.67	
4.558	5.000	-0.442	442	82373			40.00- 110.00	59.03	
4.558	5.000	-0.442	443	16810			17.00- 23.00	20.41	

Data File: u77565.d

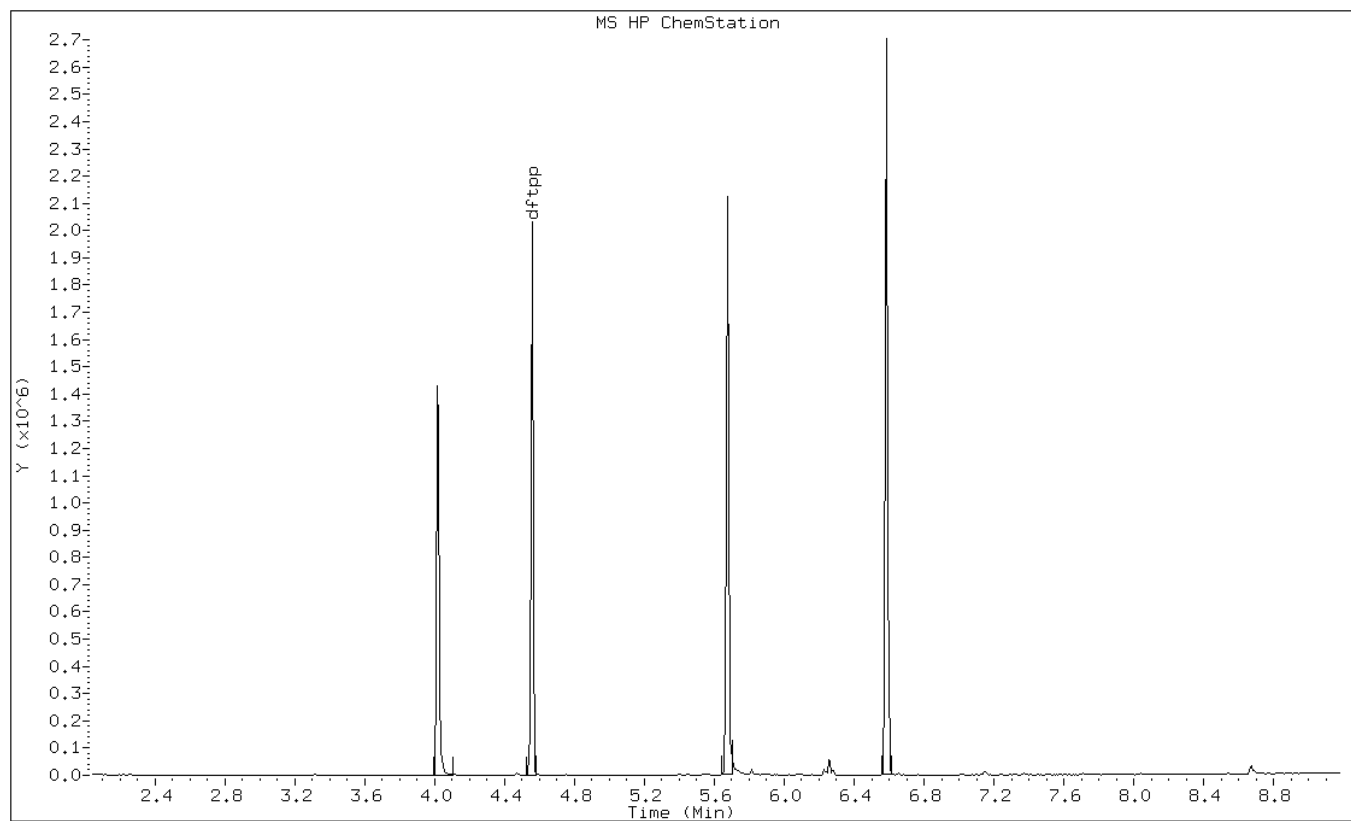
Date: 20-JUN-2012 15:28

Client ID:

Instrument: BNAMS4.i

Sample Info: DFTPP-1427854

Operator: BNA2



Data File: u77565.d

Date: 20-JUN-2012 15:28

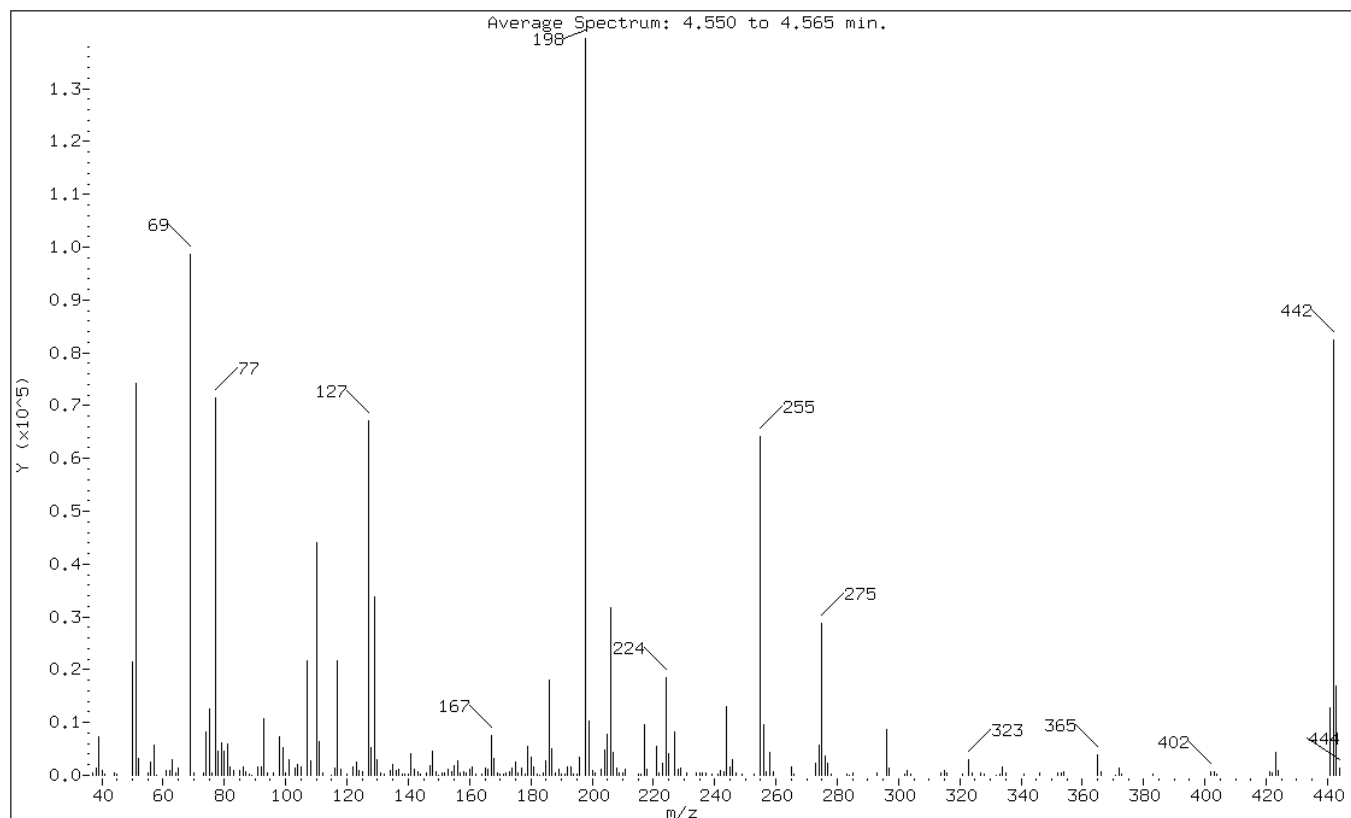
Client ID:

Instrument: BNAMS4.i

Sample Info: DFTPP-1427854

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	53.13
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	70.65
70	Less than 2.00% of mass 69	0.26 (0.37)
127	40.00 - 60.00% of mass 198	48.05
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.30
275	10.00 - 30.00% of mass 198	20.59
365	Greater than 1.00% of mass 198	2.85
441	0.01 - 100.00% of mass 443	9.24 (76.67)
442	40.00 - 110.00% of mass 198	59.03
443	17.00 - 23.00% of mass 442	12.05 (20.41)

Data File: u77565.d

Date: 20-JUN-2012 15:28

Client ID:

Instrument: BNAMS4.i

Sample Info: DFTPP-1427854

Operator: BNA2

Data File: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b/u77565.d

Spectrum: Average Spectrum: 4.550 to 4.565 min.

Location of Maximum: 198.00

Number of points: 226

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	365	118.00	1163	181.00	1618	256.00	9562
38.00	1347	120.00	130	182.00	117	257.00	601
39.00	7345	122.00	1633	183.00	113	258.00	4286
40.00	894	123.00	2607	184.00	513	259.00	668
41.00	172	124.00	871	185.00	2687	265.00	1677
44.00	422	125.00	766	186.00	17992	266.00	240
45.00	234	127.00	67048	187.00	4912	273.00	2284
50.00	21448	128.00	5273	188.00	484	274.00	5807
51.00	74144	129.00	33784	189.00	1146	275.00	28736
52.00	3122	130.00	2862	190.00	259	276.00	3695
55.00	499	131.00	498	191.00	157	277.00	2362
56.00	2522	132.00	307	192.00	1532	278.00	195
57.00	5791	134.00	940	193.00	1571	283.00	201
58.00	106	135.00	2040	194.00	292	284.00	112
61.00	856	136.00	956	195.00	121	285.00	409
62.00	987	137.00	1057	196.00	3326	293.00	430
63.00	2937	138.00	180	198.00	139520	296.00	8744
64.00	344	139.00	130	199.00	10185	297.00	1328
65.00	1426	140.00	325	200.00	814	302.00	120
69.00	98584	141.00	4058	201.00	559	303.00	940
70.00	362	142.00	1145	203.00	1079	304.00	149
73.00	555	143.00	645	204.00	4757	314.00	355
74.00	8138	144.00	120	205.00	7834	315.00	895
75.00	12584	146.00	569	206.00	31704	316.00	391
76.00	480	147.00	1905	207.00	4243	321.00	135
77.00	71544	148.00	4608	208.00	1278	323.00	3018
78.00	4604	149.00	766	209.00	391	324.00	524
79.00	6222	150.00	106	210.00	559	327.00	366
80.00	4552	151.00	537	211.00	1226	328.00	182
81.00	6035	152.00	374	215.00	182	332.00	111
82.00	1528	153.00	1169	216.00	139	333.00	129
83.00	986	154.00	625	217.00	9646	334.00	1683
85.00	978	155.00	1902	218.00	1159	335.00	380
86.00	1651	156.00	2652	221.00	5439	341.00	169
87.00	580	157.00	489	222.00	432	346.00	401
88.00	146	158.00	607	223.00	2238	352.00	550
89.00	109	159.00	437	224.00	18448	353.00	522
91.00	1634	160.00	1135	225.00	4062	354.00	705
92.00	1593	161.00	1499	227.00	8280	365.00	3976
93.00	10663	162.00	199	228.00	1231	366.00	620

94.00	463	164.00	322	229.00	1386	371.00	100
96.00	435	165.00	1432	231.00	423	372.00	1452
98.00	7218	166.00	1147	234.00	493	373.00	161
99.00	5344	167.00	7540	235.00	397	383.00	259
100.00	506	168.00	3210	236.00	343	402.00	680
+-----+							
101.00	2946	169.00	546	237.00	377	403.00	576
103.00	1257	170.00	165	239.00	288	404.00	155
104.00	2014	171.00	244	241.00	253	421.00	592
105.00	1689	172.00	566	242.00	862	422.00	423
107.00	21712	173.00	686	243.00	601	423.00	4359
+-----+							
108.00	2628	174.00	1395	244.00	13052	424.00	821
110.00	44112	175.00	2432	245.00	1644	441.00	12888
111.00	6313	176.00	475	246.00	2896	442.00	82368
112.00	556	177.00	1343	247.00	408	443.00	16808
115.00	113	178.00	194	249.00	200	444.00	1456
+-----+							
116.00	1323	179.00	5468	253.00	132		
117.00	21736	180.00	3413	255.00	64224		
+-----+							

Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77717.d
 Report Date: 25-Jun-2012 12:51

TestAmerica

Data file : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77717.d
 Lab Smp Id: DFTPP-1427854
 Inj Date : 25-JUN-2012 12:38
 Operator : BNA2
 Smp Info : DFTPP-1427854
 Misc Info : 25ng/uL DFTPP Lot 4642
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/BNADFTPP.m
 Meth Date : 24-Jun-2012 02:05 asfawa
 Cal Date : 11-JAN-2010 13:45
 Als bottle: 96
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS4.i
 Quant Type: ESTD
 Cal File: h85796.d
 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 #:				
4.430	4.500	-0.070	198	120776			0.00- 100.00	100.00	
4.430	4.500	-0.070	51	71002			30.00- 60.00	58.79	
4.430	4.500	-0.070	68	0			0.00- 2.00	0.00	
4.430	4.500	-0.070	69	87738			0.00- 0.00	72.65	
4.430	4.500	-0.070	70	0			0.00- 2.00	0.00	
4.430	4.500	-0.070	127	60560			40.00- 60.00	50.14	
4.430	4.500	-0.070	197	0			0.00- 1.00	0.00	
4.430	4.500	-0.070	199	8328			5.00- 9.00	6.90	
4.430	4.500	-0.070	275	23034			10.00- 30.00	19.07	
4.430	4.500	-0.070	365	3114			1.00- 0.00	2.58	
4.430	4.500	-0.070	441	10059			0.01- 100.00	80.36	
4.430	4.500	-0.070	442	62881			40.00- 110.00	52.06	
4.430	4.500	-0.070	443	12518			17.00- 23.00	19.91	

Data File: u77717.d

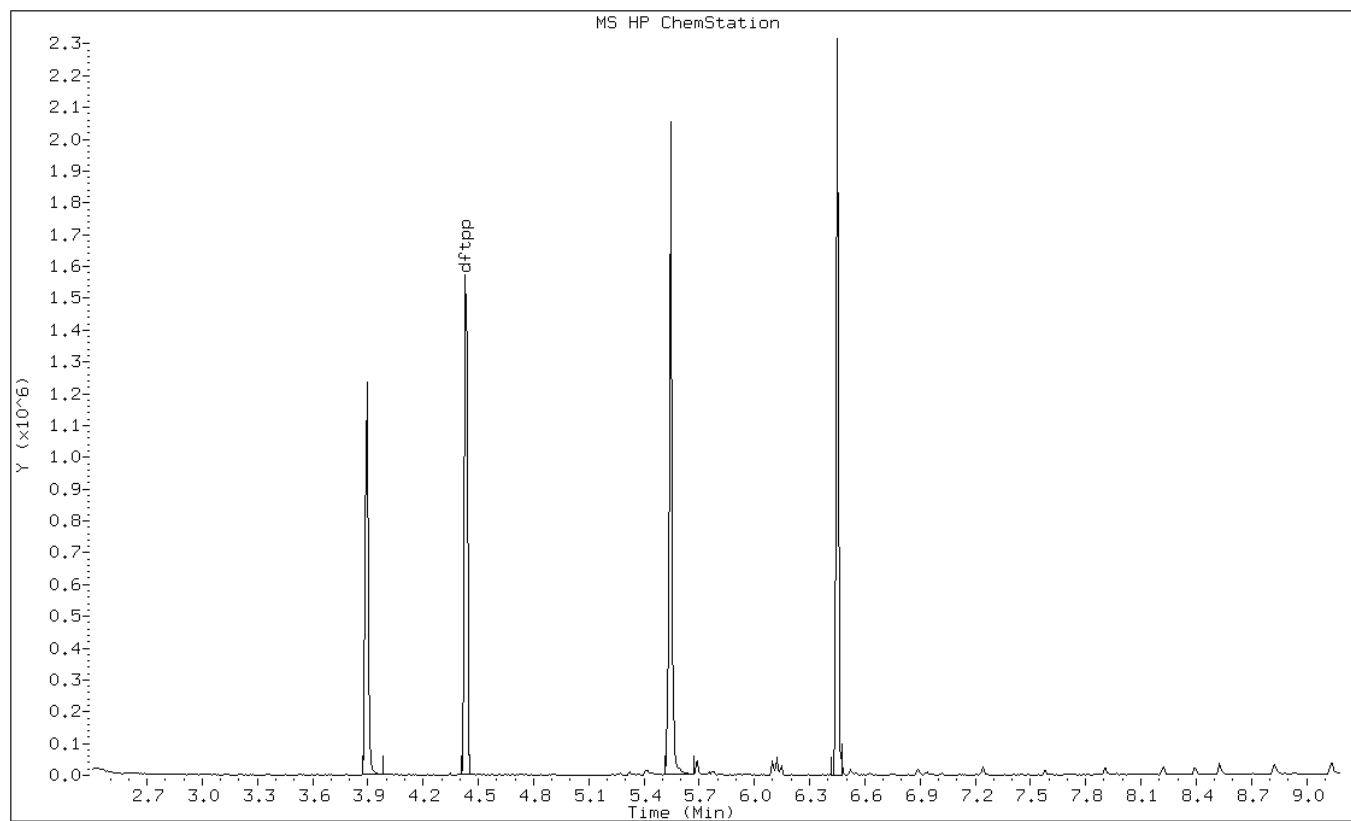
Date: 25-JUN-2012 12:38

Client ID:

Instrument: BNAMS4.i

Sample Info: DFTPP-1427854

Operator: BNA2



Data File: u77717.d

Date: 25-JUN-2012 12:38

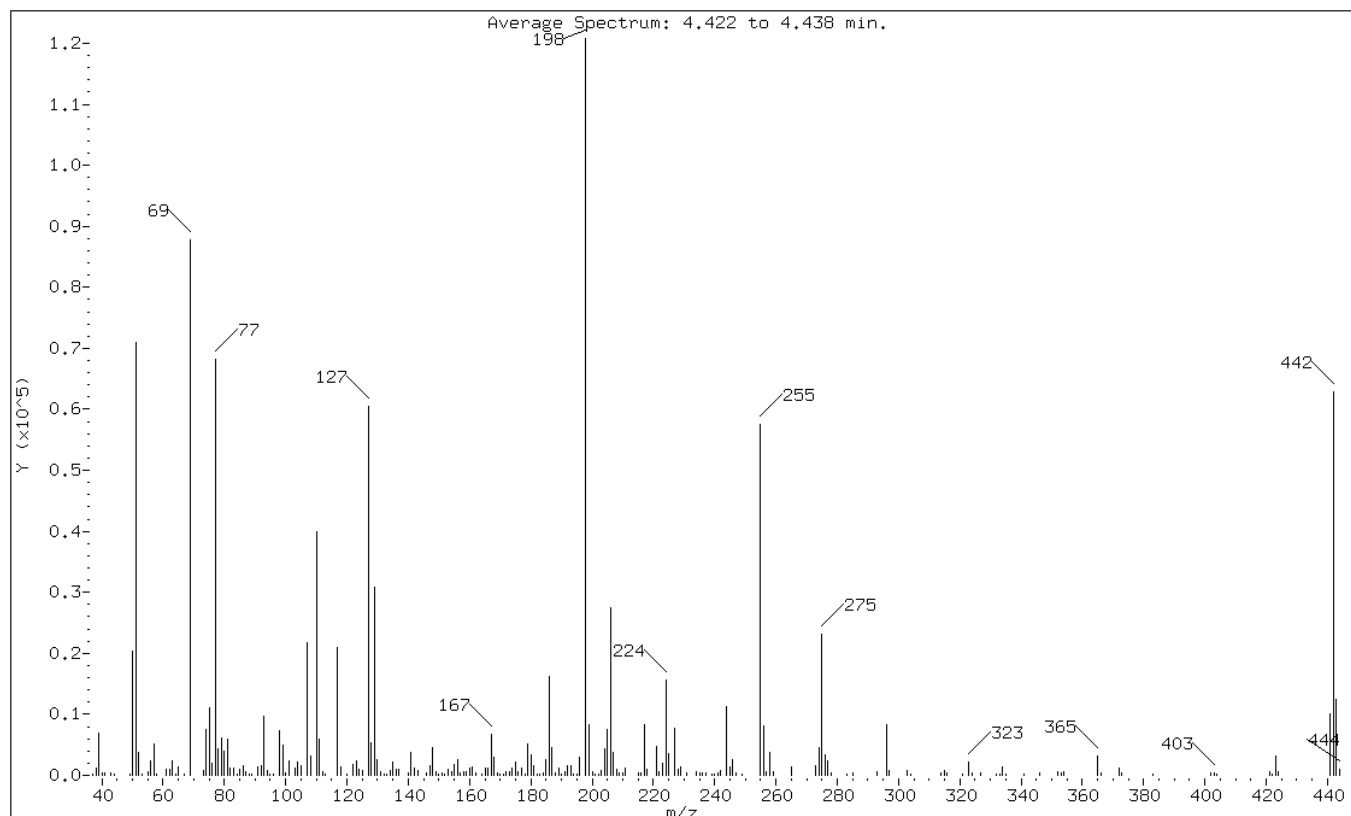
Client ID:

Instrument: BNAMS4.i

Sample Info: DFTPP-1427854

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	58.79
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	72.65
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	50.14
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 30.00% of mass 198	19.07
365	Greater than 1.00% of mass 198	2.58
441	0.01 - 100.00% of mass 443	8.33 (80.36)
442	40.00 - 110.00% of mass 198	52.06
443	17.00 - 23.00% of mass 442	10.36 (19.91)

Data File: u77717.d

Date: 25-JUN-2012 12:38

Client ID:

Instrument: BNAMS4.i

Sample Info: DFTPP-1427854

Operator: BNA2

Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77717.d

Spectrum: Average Spectrum: 4.422 to 4.438 min.

Location of Maximum: 198.00

Number of points: 222

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	275	111.00	5894	178.00	230	246.00	2517
38.00	1244	112.00	665	179.00	5075	247.00	445
39.00	6876	113.00	102	180.00	3408	249.00	252
40.00	380	117.00	21032	181.00	1518	255.00	57432
41.00	463	118.00	1389	182.00	123	256.00	8069
43.00	446	120.00	128	183.00	103	257.00	598
44.00	102	122.00	1745	184.00	309	258.00	3770
49.00	126	123.00	2390	185.00	2523	259.00	522
50.00	20392	124.00	1043	186.00	16286	265.00	1417
51.00	71000	125.00	740	187.00	4626	273.00	1646
52.00	3662	127.00	60560	188.00	390	274.00	4477
53.00	106	128.00	5291	189.00	1093	275.00	23032
55.00	670	129.00	30880	190.00	104	276.00	3290
56.00	2417	130.00	2661	191.00	549	277.00	2306
57.00	5207	131.00	522	192.00	1509	278.00	398
58.00	126	132.00	113	193.00	1667	283.00	219
61.00	891	133.00	106	194.00	268	285.00	305
62.00	917	134.00	884	195.00	126	293.00	515
63.00	2450	135.00	2102	196.00	2997	296.00	8268
64.00	249	136.00	907	198.00	120776	297.00	789
65.00	1302	137.00	1079	199.00	8328	303.00	780
67.00	128	140.00	309	200.00	598	304.00	135
69.00	87736	141.00	3728	201.00	188	314.00	354
73.00	708	142.00	1090	202.00	186	315.00	852
74.00	7456	143.00	796	203.00	750	316.00	409
75.00	10994	146.00	474	204.00	4262	321.00	113
76.00	1969	147.00	1676	205.00	7518	323.00	2212
77.00	68136	148.00	4595	206.00	27440	324.00	401
78.00	4356	149.00	689	207.00	3673	327.00	309
79.00	6029	150.00	215	208.00	1024	332.00	265
80.00	3951	151.00	455	209.00	317	333.00	268
81.00	5940	152.00	253	210.00	473	334.00	1301
82.00	1233	153.00	1026	211.00	1204	335.00	215
83.00	1194	154.00	677	215.00	337	341.00	141
84.00	242	155.00	1744	216.00	391	346.00	413
85.00	949	156.00	2510	217.00	8395	352.00	612
86.00	1542	157.00	442	218.00	894	353.00	413
87.00	575	158.00	632	221.00	4686	354.00	576
88.00	112	159.00	500	222.00	540	365.00	3114
89.00	124	160.00	1118	223.00	2038	366.00	351

91.00	1370	161.00	1355	224.00	15552	372.00	1192
92.00	1596	162.00	331	225.00	3529	373.00	348
93.00	9781	164.00	115	227.00	7685	383.00	140
94.00	809	165.00	1179	228.00	1027	402.00	400
95.00	202	166.00	1130	229.00	1377	403.00	403
+-----+-----+-----+-----+-----+-----+-----+-----+							
96.00	177	167.00	6807	231.00	368	404.00	105
98.00	7217	168.00	3054	234.00	642	421.00	560
99.00	4874	169.00	372	235.00	385	422.00	133
100.00	369	170.00	114	236.00	323	423.00	3088
101.00	2450	171.00	164	237.00	371	424.00	622
+-----+-----+-----+-----+-----+-----+-----+-----+							
103.00	1187	172.00	560	239.00	280	441.00	10059
104.00	2117	173.00	592	240.00	117	442.00	62880
105.00	1574	174.00	1242	241.00	297	443.00	12518
107.00	21840	175.00	2219	242.00	707	444.00	992
108.00	3260	176.00	568	244.00	11229		
+-----+-----+-----+-----+-----+-----+-----+-----+							
110.00	39856	177.00	1217	245.00	1482		
+-----+-----+-----+-----+-----+-----+-----+-----+							

Data File: /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77749.d
 Report Date: 26-Jun-2012 07:56

TestAmerica

Data file : /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77749.d
 Lab Smp Id: DFTPP-1427854
 Inj Date : 26-JUN-2012 07:37
 Operator : BNA2
 Smp Info : DFTPP-1427854
 Misc Info : 25ng/uL DFTPP Lot 4642
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/BNADFTPP.m
 Meth Date : 24-Jun-2012 02:05 asfawa
 Cal Date : 11-JAN-2010 13:45
 Als bottle: 96
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: BNAMS4.i
 Quant Type: ESTD
 Cal File: h85796.d
 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 #:				
4.416	4.500	-0.084	198	122890			0.00- 100.00	100.00	
4.416	4.500	-0.084	51	66280			30.00- 60.00	53.93	
4.416	4.500	-0.084	68	0			0.00- 2.00	0.00	
4.416	4.500	-0.084	69	85000			0.00- 0.00	69.17	
4.416	4.500	-0.084	70	161			0.00- 2.00	0.19	
4.416	4.500	-0.084	127	60450			40.00- 60.00	49.19	
4.416	4.500	-0.084	197	0			0.00- 1.00	0.00	
4.416	4.500	-0.084	199	7946			5.00- 9.00	6.47	
4.416	4.500	-0.084	275	23960			10.00- 30.00	19.50	
4.416	4.500	-0.084	365	3176			1.00- 0.00	2.58	
4.416	4.500	-0.084	441	10161			0.01- 100.00	80.52	
4.416	4.500	-0.084	442	65846			40.00- 110.00	53.58	
4.416	4.500	-0.084	443	12620			17.00- 23.00	19.17	

Data File: u77749.d

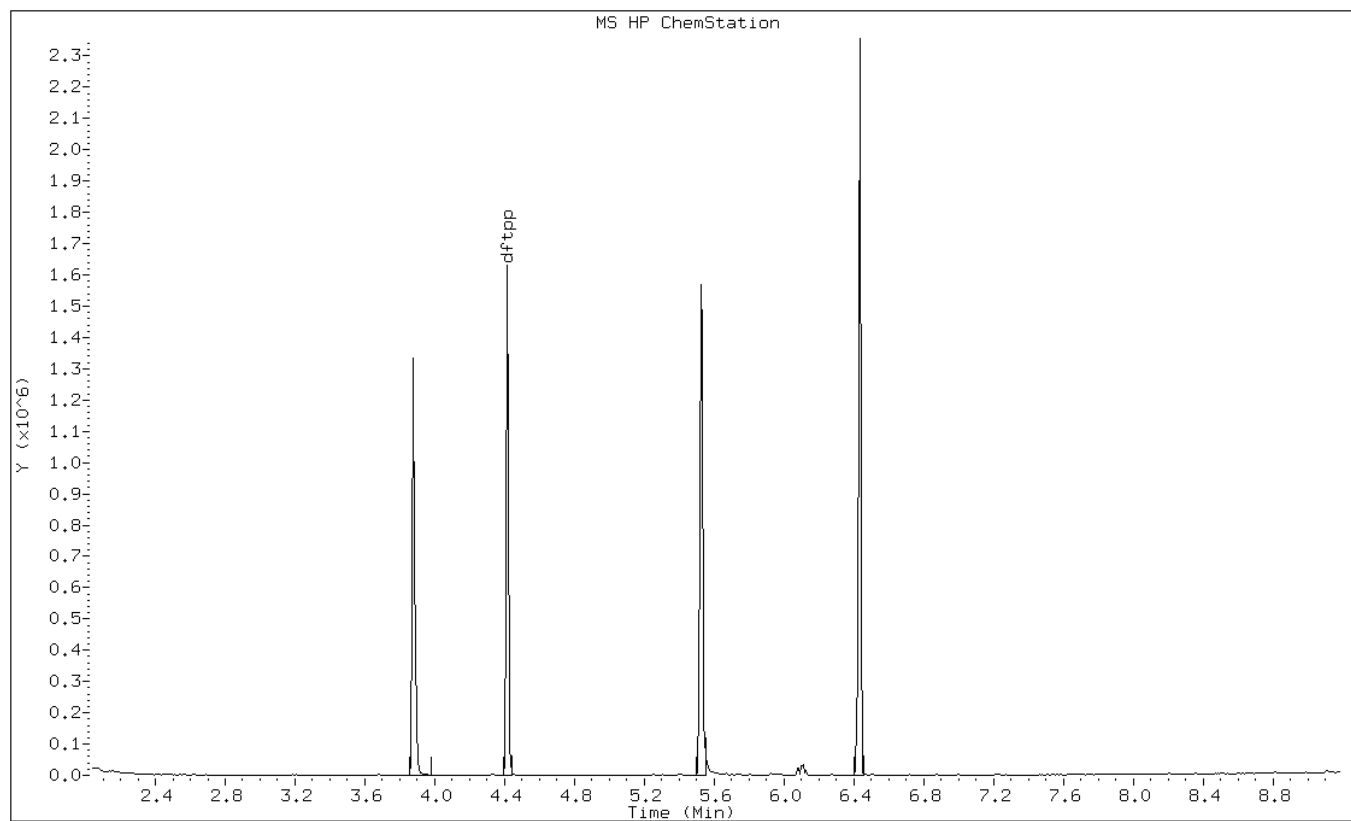
Date: 26-JUN-2012 07:37

Client ID:

Instrument: BNAMS4.i

Sample Info: DFTPP-1427854

Operator: BNA2



Data File: u77749.d

Date: 26-JUN-2012 07:37

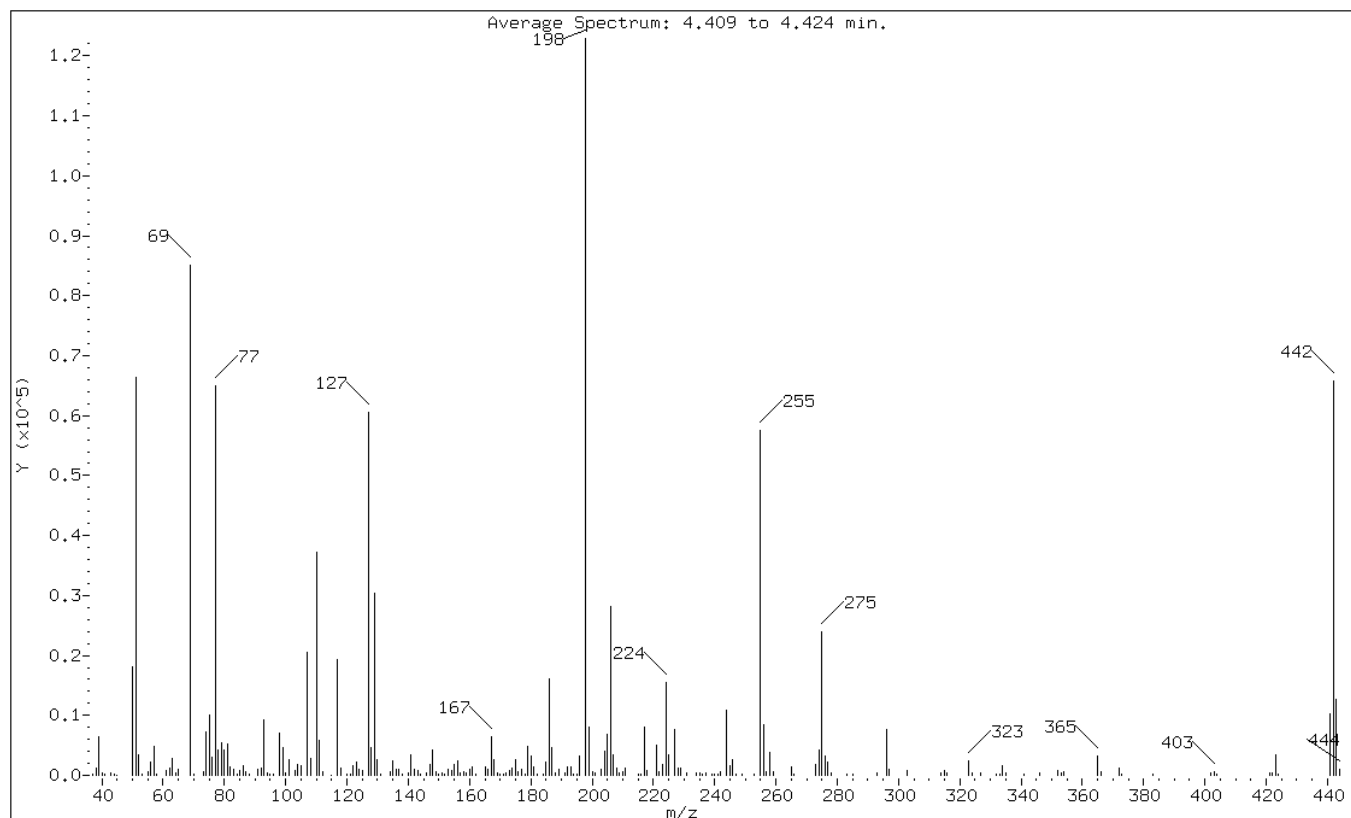
Client ID:

Instrument: BNAMS4.i

Sample Info: DFTPP-1427854

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	53.93
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	69.17
70	Less than 2.00% of mass 69	0.13 (0.19)
127	40.00 - 60.00% of mass 198	49.19
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.47
275	10.00 - 30.00% of mass 198	19.50
365	Greater than 1.00% of mass 198	2.58
441	0.01 - 100.00% of mass 443	8.27 (80.52)
442	40.00 - 110.00% of mass 198	53.58
443	17.00 - 23.00% of mass 442	10.27 (19.17)

Data File: u77749.d

Date: 26-JUN-2012 07:37

Client ID:

Instrument: BNAMS4.i

Sample Info: DFTPP-1427854

Operator: BNA2

Data File: /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77749.d

Spectrum: Average Spectrum: 4.409 to 4.424 min.

Location of Maximum: 198.00

Number of points: 218

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	180	111.00	5868	177.00	1037	247.00	291
38.00	1216	112.00	694	178.00	265	249.00	263
39.00	6461	115.00	100	179.00	4881	253.00	121
40.00	339	117.00	19384	180.00	3216	255.00	57496
41.00	265	118.00	1269	181.00	1452	256.00	8473
43.00	360	120.00	138	182.00	152	257.00	563
44.00	238	121.00	106	184.00	294	258.00	3847
45.00	100	122.00	1579	185.00	2243	259.00	649
50.00	18120	123.00	2245	186.00	16082	265.00	1435
51.00	66280	124.00	1029	187.00	4683	266.00	268
52.00	3389	125.00	842	188.00	421	273.00	1732
53.00	131	127.00	60448	189.00	1054	274.00	4315
55.00	694	128.00	4526	191.00	403	275.00	23960
56.00	2165	129.00	30280	192.00	1473	276.00	3149
57.00	4867	130.00	2595	193.00	1455	277.00	2253
58.00	129	131.00	268	194.00	165	278.00	352
61.00	758	134.00	668	195.00	141	283.00	145
62.00	1150	135.00	2341	196.00	3189	285.00	247
63.00	2772	136.00	953	198.00	122888	293.00	489
64.00	481	137.00	1103	199.00	7946	296.00	7714
65.00	977	138.00	112	200.00	511	297.00	993
69.00	85000	140.00	364	201.00	391	303.00	705
70.00	161	141.00	3448	203.00	921	314.00	315
73.00	679	142.00	1060	204.00	4121	315.00	799
74.00	7165	143.00	739	205.00	6791	316.00	387
75.00	9982	144.00	139	206.00	28208	323.00	2382
76.00	2964	146.00	422	207.00	3447	324.00	379
77.00	64968	147.00	1859	208.00	1108	327.00	336
78.00	4322	148.00	4296	209.00	430	332.00	130
79.00	5473	149.00	702	210.00	547	333.00	121
80.00	4253	150.00	101	211.00	1203	334.00	1563
81.00	5269	151.00	407	215.00	274	335.00	335
82.00	1426	152.00	143	216.00	208	341.00	135
83.00	1056	153.00	957	217.00	8113	346.00	403
84.00	108	154.00	706	218.00	756	352.00	711
85.00	791	155.00	1908	221.00	4954	353.00	347
86.00	1525	156.00	2488	222.00	583	354.00	601
87.00	527	157.00	431	223.00	1756	365.00	3176
88.00	120	158.00	618	224.00	15543	366.00	508
91.00	1105	159.00	391	225.00	3494	372.00	1141

92.00	1287	160.00	1038	227.00	7663	373.00	292
93.00	9166	161.00	1443	228.00	1183	383.00	270
94.00	501	162.00	256	229.00	1276	402.00	426
95.00	113	165.00	1325	231.00	485	403.00	543
96.00	158	166.00	1014	234.00	337	404.00	138
98.00	7084	167.00	6396	235.00	392	421.00	488
99.00	4644	168.00	2655	236.00	293	422.00	423
100.00	493	169.00	409	237.00	433	423.00	3324
101.00	2601	170.00	138	239.00	257	424.00	255
103.00	898	171.00	120	240.00	130	441.00	10161
104.00	1739	172.00	493	241.00	268	442.00	65840
105.00	1629	173.00	706	242.00	624	443.00	12620
107.00	20432	174.00	1177	244.00	10869	444.00	1053
108.00	2879	175.00	2611	245.00	1606		
110.00	37304	176.00	699	246.00	2521		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-117106/1-A
 Matrix: Solid Lab File ID: z19062.d
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
 Sample wt/vol: 15.00(g) Date Analyzed: 06/26/2012 10:02
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117976 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	44	U	330	44
95-57-8	2-Chlorophenol	44	U	330	44
95-48-7	2-Methylphenol	56	U	330	56
106-44-5	4-Methylphenol	65	U	330	65
100-52-7	Benzaldehyde	39	U	330	39
98-86-2	Acetophenone	51	U	330	51
111-44-4	Bis(2-chloroethyl) ether	4.5	U	33	4.5
108-60-1	2,2'-oxybis[1-chloropropane]	37	U	330	37
621-64-7	N-Nitrosodi-n-propylamine	5.5	U	33	5.5
98-95-3	Nitrobenzene	4.7	U	33	4.7
67-72-1	Hexachloroethane	3.7	U	33	3.7
78-59-1	Isophorone	40	U	330	40
88-75-5	2-Nitrophenol	37	U	330	37
105-67-9	2,4-Dimethylphenol	82	U	330	82
120-83-2	2,4-Dichlorophenol	48	U	330	48
111-91-1	Bis(2-chloroethoxy)methane	43	U	330	43
91-20-3	Naphthalene	38	U	330	38
106-47-8	4-Chloroaniline	88	U	330	88
87-68-3	Hexachlorobutadiene	8.1	U	67	8.1
105-60-2	Caprolactam	76	U	330	76
59-50-7	4-Chloro-3-methylphenol	50	U	330	50
91-57-6	2-Methylnaphthalene	43	U	330	43
118-74-1	Hexachlorobenzene	4.5	U	33	4.5
77-47-4	Hexachlorocyclopentadiene	39	U	330	39
88-06-2	2,4,6-Trichlorophenol	39	U	330	39
95-95-4	2,4,5-Trichlorophenol	43	U	330	43
92-52-4	Diphenyl	44	U	330	44
91-58-7	2-Chloronaphthalene	37	U	330	37
88-74-4	2-Nitroaniline	140	U	670	140
606-20-2	2,6-Dinitrotoluene	10	U	67	10
131-11-3	Dimethyl phthalate	39	U	330	39
208-96-8	Acenaphthylene	39	U	330	39
99-09-2	3-Nitroaniline	120	U	670	120
83-32-9	Acenaphthene	48	U	330	48

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-117106/1-A

Matrix: Solid Lab File ID: z19062.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3541 Date Extracted: 06/22/2012 08:49

Sample wt/vol: 15.00(g) Date Analyzed: 06/26/2012 10:02

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

Injection Volume: 1(uL) Level: (low/med) Low

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

Analysis Batch No.: 117976 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	210	U	1000	210
51-28-5	2,4-Dinitrophenol	190	U	1000	190
132-64-9	Dibenzofuran	39	U	330	39
84-66-2	Diethyl phthalate	39	U	330	39
86-73-7	Fluorene	42	U	330	42
206-44-0	Fluoranthene	44	U	330	44
84-74-2	Di-n-butyl phthalate	41	U	330	41
121-14-2	2,4-Dinitrotoluene	11	U	67	11
7005-72-3	4-Chlorophenyl phenyl ether	39	U	330	39
100-01-6	4-Nitroaniline	100	U	670	100
534-52-1	4,6-Dinitro-2-methylphenol	90	U	1000	90
101-55-3	4-Bromophenyl phenyl ether	33	U	330	33
1912-24-9	Atrazine	51	U	330	51
120-12-7	Anthracene	40	U	330	40
86-74-8	Carbazole	39	U	330	39
85-01-8	Phenanthrene	42	U	330	42
87-86-5	Pentachlorophenol	99	U	1000	99
129-00-0	Pyrene	28	U	330	28
218-01-9	Chrysene	39	U	330	39
207-08-9	Benzo[k]fluoranthene	2.5	U	33	2.5
191-24-2	Benzo[g,h,i]perylene	25	U	330	25
205-99-2	Benzo[b]fluoranthene	2.1	U	33	2.1
50-32-8	Benzo[a]pyrene	2.3	U	33	2.3
56-55-3	Benzo[a]anthracene	2.3	U	33	2.3
86-30-6	N-Nitrosodiphenylamine	33	U	330	33
85-68-7	Butyl benzyl phthalate	30	U	330	30
117-81-7	Bis(2-ethylhexyl) phthalate	110	U	330	110
117-84-0	Di-n-octyl phthalate	21	U	330	21
193-39-5	Indeno[1,2,3-cd]pyrene	6.2	U	33	6.2
53-70-3	Dibenz(a,h)anthracene	4.2	U	33	4.2
91-94-1	3,3'-Dichlorobenzidine	120	U	670	120
95-94-3	1,2,4,5-Tetrachlorobenzene	45	U	330	45
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	330	43
123-91-1	1,4-Dioxane	24	U	330	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-117106/1-A
Matrix: Solid Lab File ID: z19062.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 15.00(g) Date Analyzed: 06/26/2012 10:02
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 117976 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	87		38-105
4165-62-2	Phenol-d5	93		41-118
1718-51-0	Terphenyl-d14	93		16-151
118-79-6	2,4,6-Tribromophenol	65		10-120
367-12-4	2-Fluorophenol	85		37-125
321-60-8	2-Fluorobiphenyl	86		40-109

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-117106/1-A
Matrix: Solid Lab File ID: z19062.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 15.00(g) Date Analyzed: 06/26/2012 10:02
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 117976 Units: ug/Kg
Number TICs Found: 2 TIC Result Total: 4816

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown Aldol Condensate	1.96	4530	A J
	Degradation product of 2,4,6-Tribromophenol(sur)	8.06	286	J

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19062.d
 Report Date: 27-Jun-2012 11:51

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19062.d
 Lab Smp Id: MB 460-117106/1-A
 Inj Date : 26-JUN-2012 10:02
 Operator : BNAMS 4
 Smp Info : MB 460-117106/1-A
 Misc Info :
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/8270C_11.m
 Meth Date : 26-Jun-2012 09:07 croccom Quant Type: ISTD
 Cal Date : 25-JUN-2012 01:50 Cal File: z19018.d
 Als bottle: 5 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 Compound Sublist: all.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 MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
\$ 16 2-Fluorophenol (SUR)	112	2.226	2.179	(0.654)	713297	85.2339	5700
\$ 17 Phenol-d5 (SUR)	99	3.085	3.091	(0.907)	917255	93.0484	6200
* 79 1,4-Dichlorobenzene-d4	152	3.402	3.408	(1.000)	252740	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	3.979	3.996	(0.846)	405925	43.4998	2900
* 80 Naphthalene-d8	136	4.702	4.714	(1.000)	1007225	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	5.808	5.820	(0.901)	782155	42.9051	2900
* 82 Acenaphthene-d10	164	6.449	6.461	(1.000)	518730	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.226	7.231	(1.120)	127111	64.6325	4300
* 83 Phenanthrene-d10	188	7.890	7.896	(1.000)	725402	40.0000	
52 Phenanthrene	178	7.908	7.920	(1.002)	3114	0.15720	10(a)
\$ 78 Terphenyl-d14	244	9.461	9.467	(0.904)	526374	46.2677	3100
* 81 Chrysene-d12	240	10.467	10.472	(1.000)	362143	40.0000	
* 84 Perylene-d12	264	12.096	12.102	(1.000)	235050	40.0000	

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19062.d
Report Date: 27-Jun-2012 11:51

QC Flag Legend

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

Data File: z19062.d

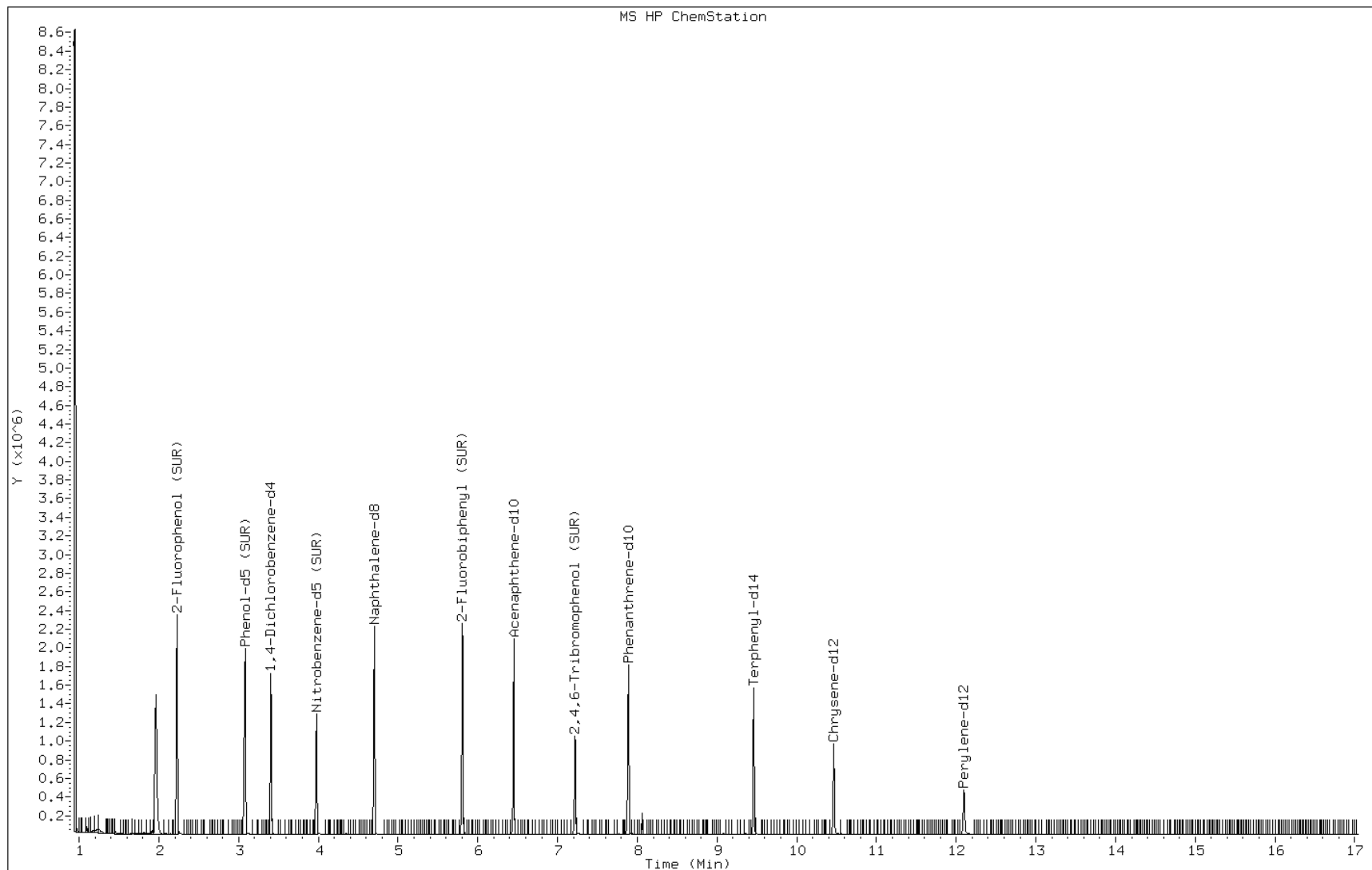
Date: 26-JUN-2012 10:02

Client ID:

Instrument: BNAMS11.i

Sample Info: MB 460-117106/1-A

Operator: BNAMS 4



Data File: z19062.d

Date: 26-JUN-2012 10:02

Client ID:

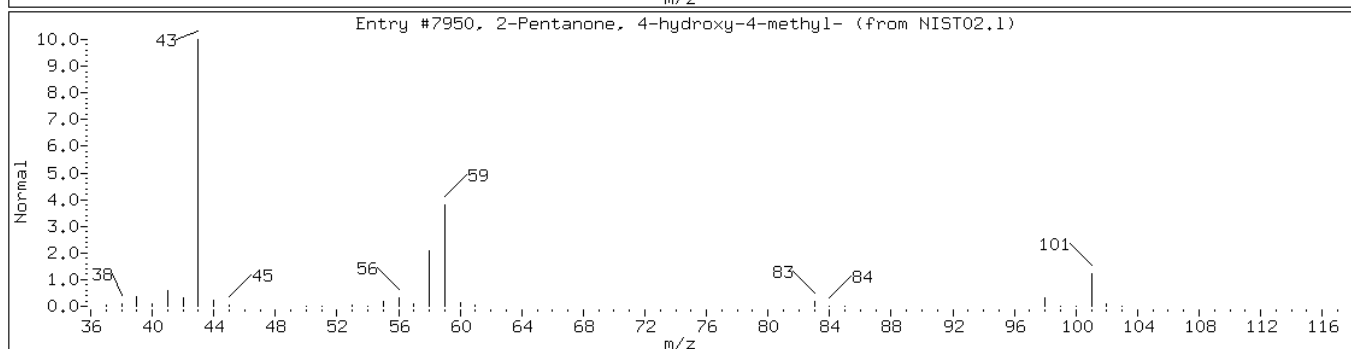
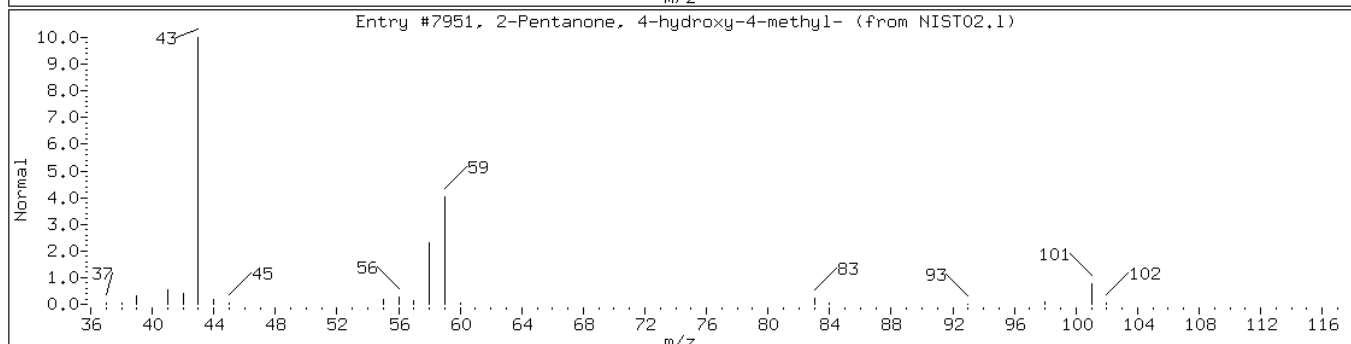
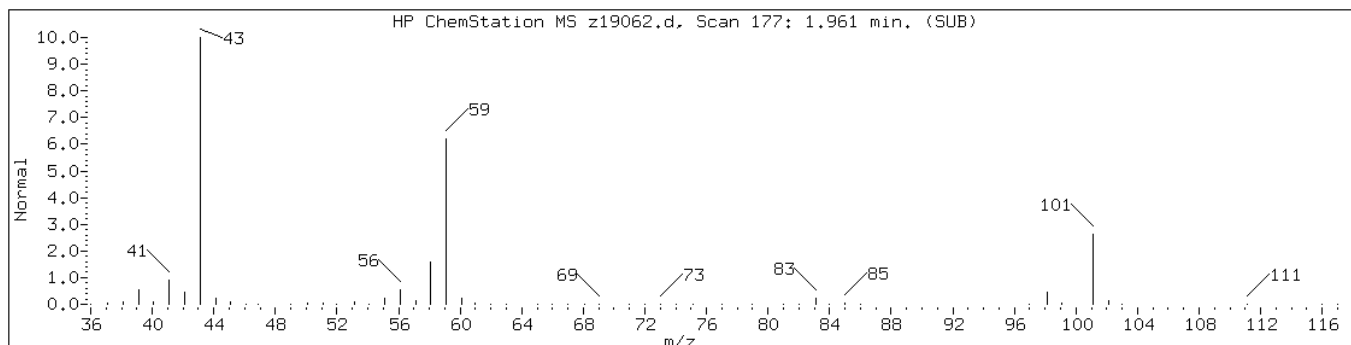
Instrument: BNAMS11.i

Sample Info: MB 460-117106/1-A

Operator: BNAMS 4

Retention Time: 1.96

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	7951	56	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST02.1	7950	40	C6H12O2	116



Data File: z19062.d

Date: 26-JUN-2012 10:02

Client ID:

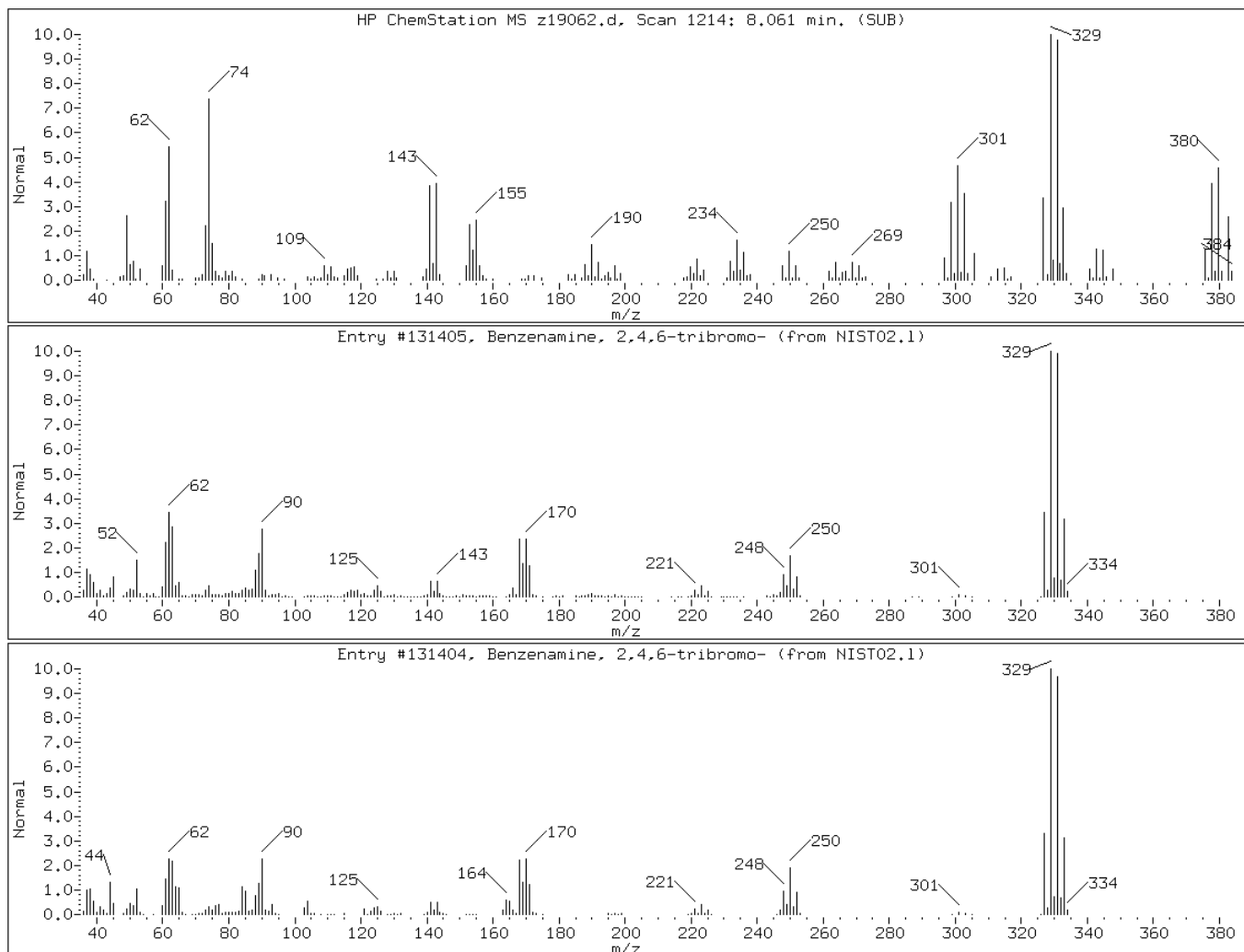
Instrument: BNAMS11.i

Sample Info: MB 460-117106/1-A

Operator: BNAMS 4

Retention Time: 8.06

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Degradation product of 2,4,6-Tribr						
Benzenamine, 2,4,6-tribromo-	147-82-0	NIST02.1	131405	46	C6H4Br3N	327
Benzenamine, 2,4,6-tribromo-	147-82-0	NIST02.1	131404	25	C6H4Br3N	327



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-117111/1-A

Matrix: Solid Lab File ID: u77720.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3541 Date Extracted: 06/22/2012 08:58

Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 13:42

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

Injection Volume: 1(uL) Level: (low/med) Low

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

Analysis Batch No.: 117489 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	44	U	330	44
95-57-8	2-Chlorophenol	44	U	330	44
95-48-7	2-Methylphenol	56	U	330	56
106-44-5	4-Methylphenol	65	U	330	65
100-52-7	Benzaldehyde	39	U	330	39
98-86-2	Acetophenone	51	U	330	51
111-44-4	Bis(2-chloroethyl) ether	4.5	U	33	4.5
108-60-1	2,2'-oxybis[1-chloropropane]	37	U	330	37
621-64-7	N-Nitrosodi-n-propylamine	5.5	U	33	5.5
98-95-3	Nitrobenzene	4.7	U	33	4.7
67-72-1	Hexachloroethane	3.7	U	33	3.7
78-59-1	Isophorone	40	U	330	40
88-75-5	2-Nitrophenol	37	U	330	37
105-67-9	2,4-Dimethylphenol	82	U	330	82
120-83-2	2,4-Dichlorophenol	48	U	330	48
111-91-1	Bis(2-chloroethoxy)methane	43	U	330	43
91-20-3	Naphthalene	38	U	330	38
106-47-8	4-Chloroaniline	88	U	330	88
87-68-3	Hexachlorobutadiene	8.1	U	67	8.1
105-60-2	Caprolactam	76	U	330	76
59-50-7	4-Chloro-3-methylphenol	50	U	330	50
91-57-6	2-Methylnaphthalene	43	U	330	43
118-74-1	Hexachlorobenzene	4.5	U	33	4.5
77-47-4	Hexachlorocyclopentadiene	39	U	330	39
88-06-2	2,4,6-Trichlorophenol	39	U	330	39
95-95-4	2,4,5-Trichlorophenol	43	U	330	43
92-52-4	Diphenyl	44	U	330	44
91-58-7	2-Chloronaphthalene	37	U	330	37
88-74-4	2-Nitroaniline	140	U	670	140
606-20-2	2,6-Dinitrotoluene	10	U	67	10
131-11-3	Dimethyl phthalate	39	U	330	39
208-96-8	Acenaphthylene	39	U	330	39
99-09-2	3-Nitroaniline	120	U	670	120
83-32-9	Acenaphthene	48	U	330	48

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-117111/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>u77720.d</u>
Analysis Method: <u>8270C</u>	Date Collected: _____
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:58</u>
Sample wt/vol: <u>15.00(g)</u>	Date Analyzed: <u>06/25/2012 13:42</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117489</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	210	U	1000	210
51-28-5	2,4-Dinitrophenol	190	U	1000	190
132-64-9	Dibenzofuran	39	U	330	39
84-66-2	Diethyl phthalate	39	U	330	39
86-73-7	Fluorene	42	U	330	42
206-44-0	Fluoranthene	44	U	330	44
84-74-2	Di-n-butyl phthalate	41	U	330	41
121-14-2	2,4-Dinitrotoluene	11	U	67	11
7005-72-3	4-Chlorophenyl phenyl ether	39	U	330	39
100-01-6	4-Nitroaniline	100	U	670	100
534-52-1	4,6-Dinitro-2-methylphenol	90	U	1000	90
101-55-3	4-Bromophenyl phenyl ether	33	U	330	33
1912-24-9	Atrazine	51	U	330	51
120-12-7	Anthracene	40	U	330	40
86-74-8	Carbazole	39	U	330	39
85-01-8	Phenanthrene	42	U	330	42
87-86-5	Pentachlorophenol	99	U	1000	99
129-00-0	Pyrene	28	U	330	28
218-01-9	Chrysene	39	U	330	39
207-08-9	Benzo[k]fluoranthene	2.5	U	33	2.5
191-24-2	Benzo[g,h,i]perylene	25	U	330	25
205-99-2	Benzo[b]fluoranthene	2.1	U	33	2.1
50-32-8	Benzo[a]pyrene	2.3	U	33	2.3
56-55-3	Benzo[a]anthracene	2.3	U	33	2.3
86-30-6	N-Nitrosodiphenylamine	33	U	330	33
85-68-7	Butyl benzyl phthalate	30	U	330	30
117-81-7	Bis(2-ethylhexyl) phthalate	110	U	330	110
117-84-0	Di-n-octyl phthalate	21	U	330	21
193-39-5	Indeno[1,2,3-cd]pyrene	6.2	U	33	6.2
53-70-3	Dibenz(a,h)anthracene	4.2	U	33	4.2
91-94-1	3,3'-Dichlorobenzidine	120	U	670	120
95-94-3	1,2,4,5-Tetrachlorobenzene	45	U	330	45
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	330	43
123-91-1	1,4-Dioxane	24	U	330	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-117111/1-A
Matrix: Solid Lab File ID: u77720.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3541 Date Extracted: 06/22/2012 08:58
Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 13:42
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 117489 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	90		38-105
4165-62-2	Phenol-d5	112		41-118
1718-51-0	Terphenyl-d14	84		16-151
118-79-6	2,4,6-Tribromophenol	68		10-120
367-12-4	2-Fluorophenol	107		37-125
321-60-8	2-Fluorobiphenyl	88		40-109

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-117111/1-A
Matrix: Solid Lab File ID: u77720.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3541 Date Extracted: 06/22/2012 08:58
Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 13:42
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 117489 Units: ug/Kg
Number TICs Found: 2 TIC Result Total: 4849

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown Aldol Condensate	2.15	4540	A J
	Degradation product of 2,4,6-Tribromophenol(sur)	8.38	309	J

Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77720.d
 Report Date: 26-Jun-2012 10:01

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77720.d
 Lab Smp Id: MB 460-117111/1-A
 Inj Date : 25-JUN-2012 13:42
 Operator : BNAMS 4
 Smp Info : MB 460-117111/1-A
 Misc Info :
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/8270C_11.m
 Meth Date : 25-Jun-2012 13:19 czhao
 Cal Date : 20-JUN-2012 17:43
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS4.i
 Quant Type: ISTD
 Cal File: u77571.d
 QC Sample: BLANK
 Compound Sublist: all.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	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/ml)	(ug/Kg)
\$ 16 2-Fluorophenol (SUR)		112	2.445	2.438	(0.661)	331113	107.426	7200
\$ 17 Phenol-d5 (SUR)		99	3.371	3.387	(0.911)	510381	112.156	7500
* 79 1,4-Dichlorobenzene-d4		152	3.701	3.706	(1.000)	91181	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)		82	4.273	4.288	(0.854)	255554	45.1864	3000
* 80 Naphthalene-d8		136	5.000	5.013	(1.000)	366653	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)		172	6.108	6.115	(0.903)	352718	43.8576	2900
* 82 Acenaphthene-d10		164	6.763	6.772	(1.000)	253570	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)		330	7.545	7.558	(1.116)	107047	68.0730	4500
* 83 Phenanthrene-d10		188	8.218	8.228	(1.000)	472796	40.0000	
\$ 78 Terphenyl-d14		244	9.799	9.795	(0.902)	447620	42.0784	2800
* 81 Chrysene-d12		240	10.861	10.867	(1.000)	424373	40.0000	
* 84 Perylene-d12		264	12.616	12.614	(1.000)	344610	40.0000	

Data File: u77720.d

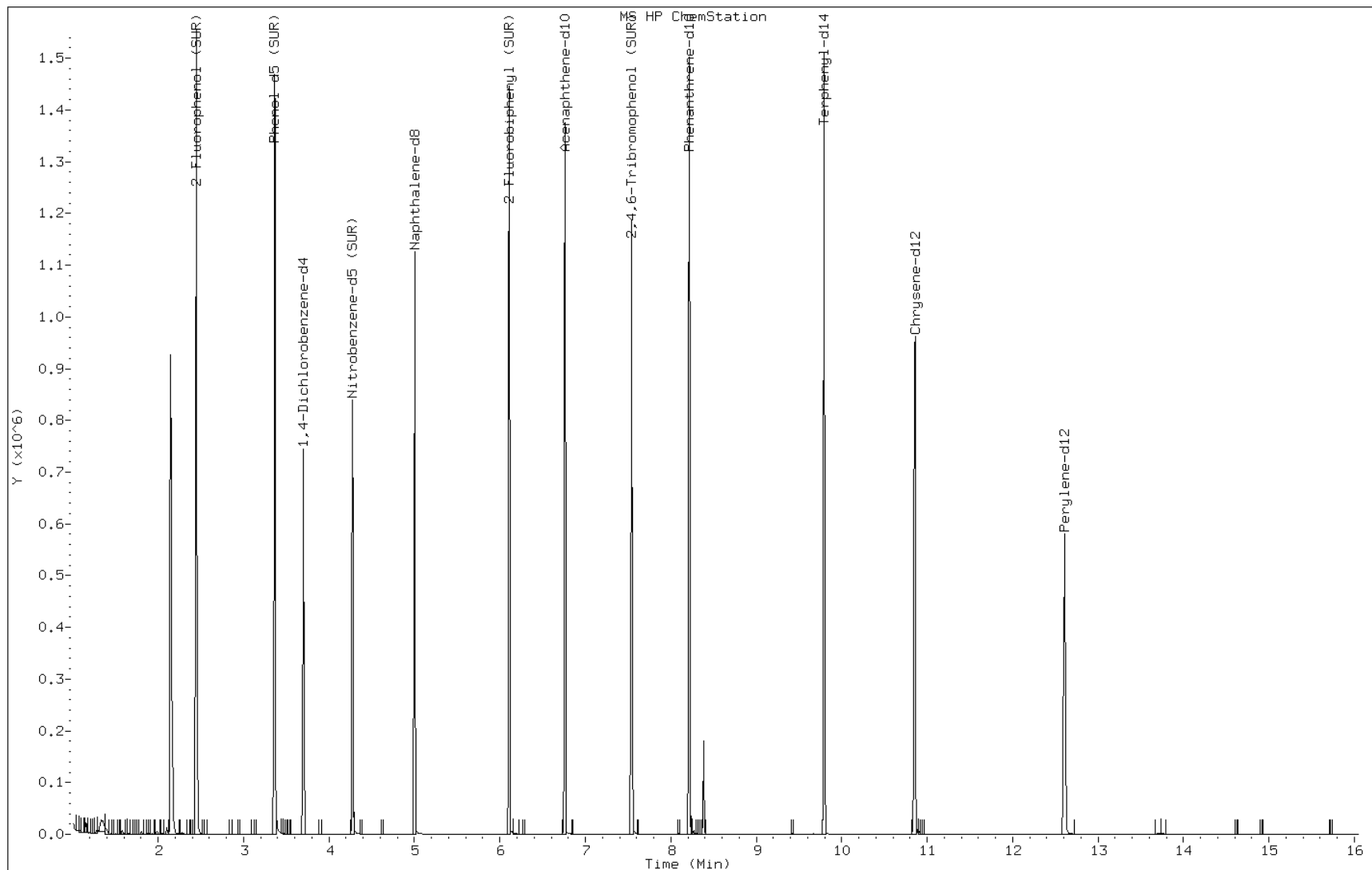
Date: 25-JUN-2012 13:42

Client ID:

Instrument: BNAMS4.i

Sample Info: MB 460-117111/1-A

Operator: BNAMS 4



Data File: u77720.d

Date: 25-JUN-2012 13:42

Client ID:

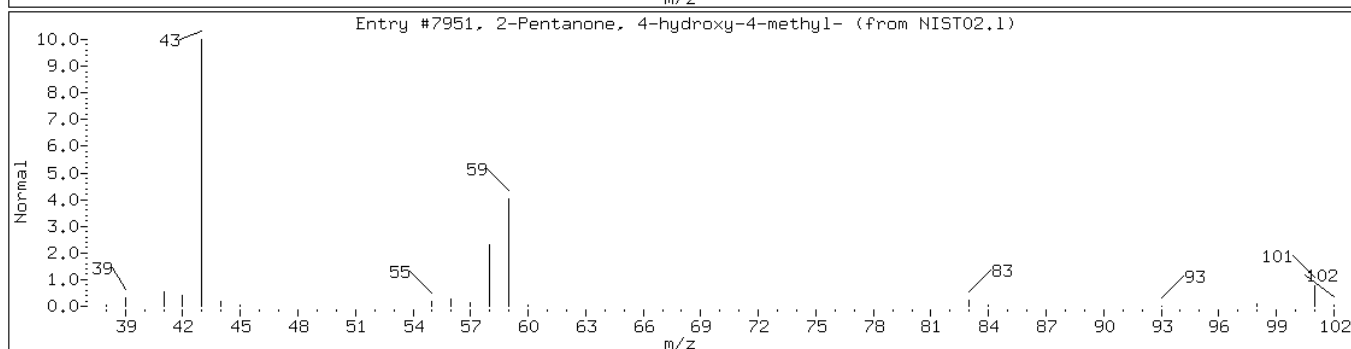
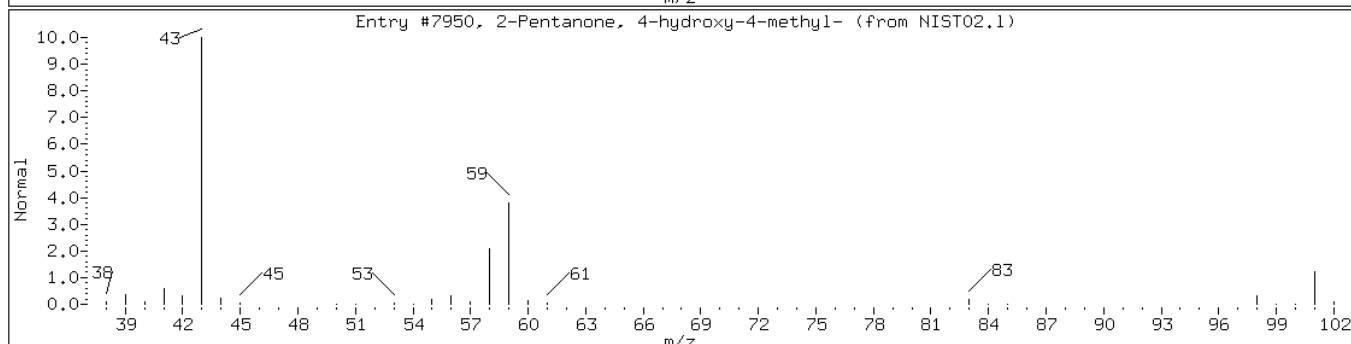
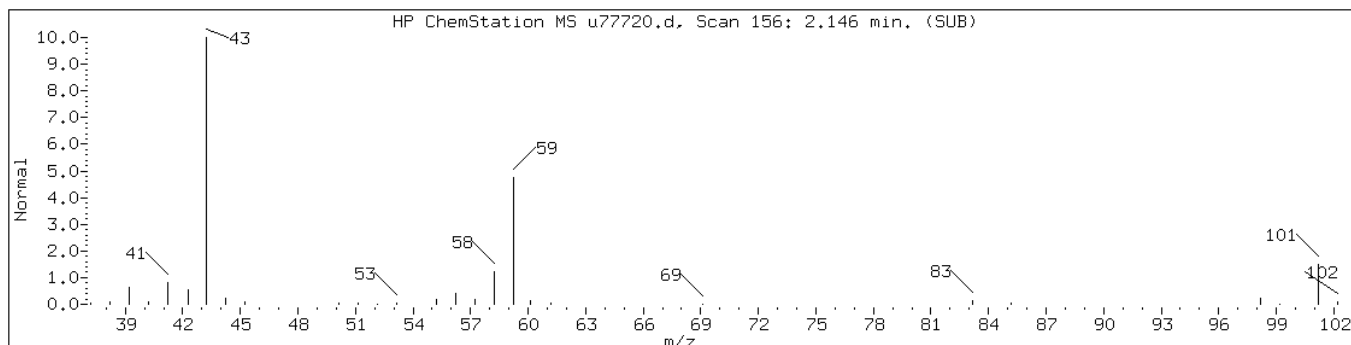
Instrument: BNAMS4.i

Sample Info: MB 460-117111/1-A

Operator: BNAMS 4

Retention Time: 2.15

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	7950	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST02.1	7951	50	C6H12O2	116



Data File: u77720.d

Date: 25-JUN-2012 13:42

Client ID:

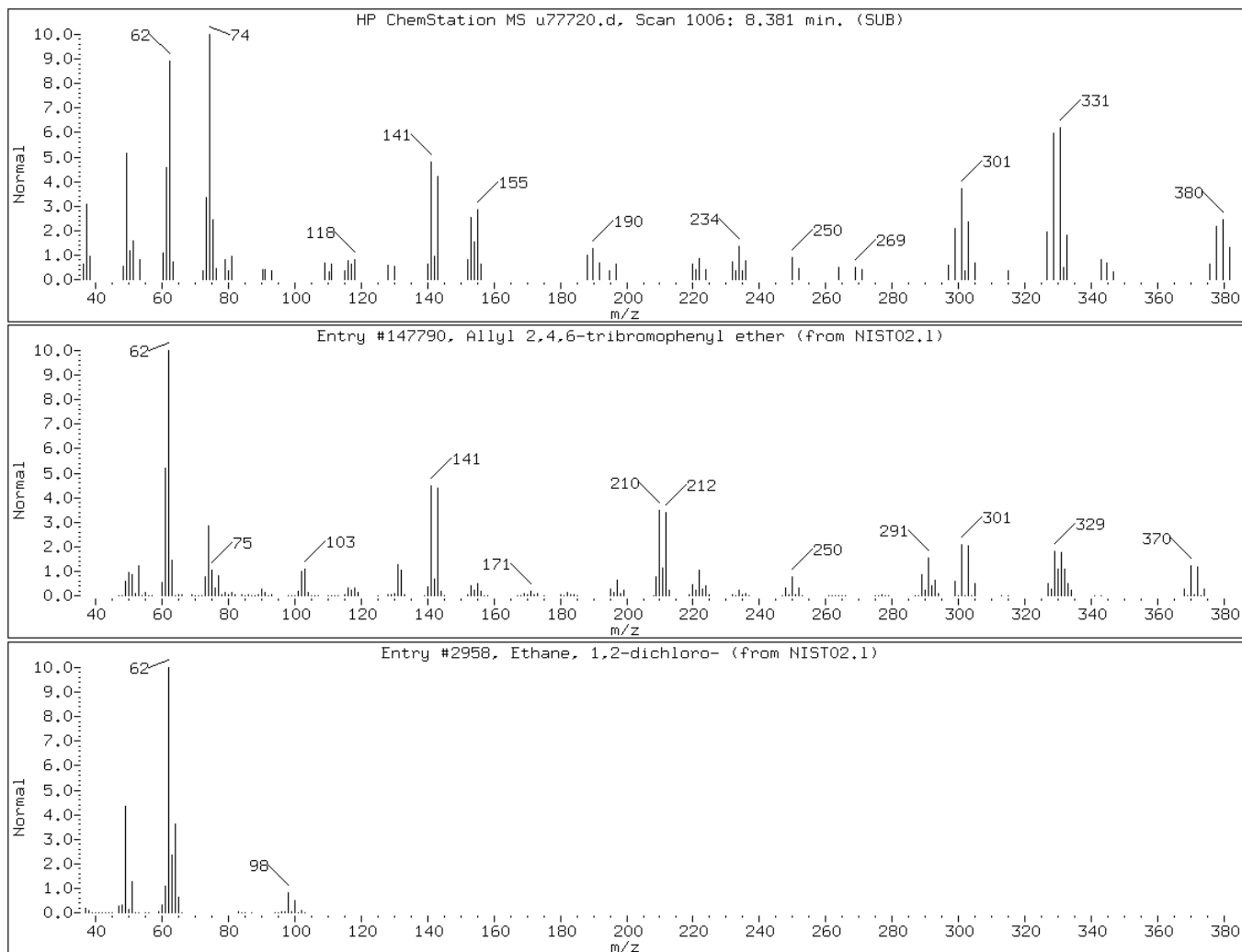
Instrument: BNAMS4.i

Sample Info: MB 460-117111/1-A

Operator: BNAMS 4

Retention Time: 8.38

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Degradation product of 2,4,6-Tribr						
Allyl 2,4,6-tribromophenyl ether	3278-89-5	NIST02.1	147790	43	C9H7Br30	368
Ethane, 1,2-dichloro-	107-06-2	NIST02.1	2958	33	C2H4Cl2	98



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-117106/2-A
 Matrix: Solid Lab File ID: z19063.d
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
 Sample wt/vol: 15.00(g) Date Analyzed: 06/26/2012 10:26
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117976 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	5620		330	44
95-57-8	2-Chlorophenol	5960		330	44
95-48-7	2-Methylphenol	6060		330	56
106-44-5	4-Methylphenol	6180		330	65
100-52-7	Benzaldehyde	1550		330	39
98-86-2	Acetophenone	2940		330	51
111-44-4	Bis(2-chloroethyl) ether	2870		33	4.5
108-60-1	2,2'-oxybis[1-chloropropane]	2490		330	37
621-64-7	N-Nitrosodi-n-propylamine	2990		33	5.5
98-95-3	Nitrobenzene	2910		33	4.7
67-72-1	Hexachloroethane	2760		33	3.7
78-59-1	Isophorone	2940		330	40
88-75-5	2-Nitrophenol	6200		330	37
105-67-9	2,4-Dimethylphenol	6270		330	82
120-83-2	2,4-Dichlorophenol	5920		330	48
111-91-1	Bis(2-chloroethoxy)methane	3130		330	43
91-20-3	Naphthalene	2990		330	38
106-47-8	4-Chloroaniline	2370		330	88
87-68-3	Hexachlorobutadiene	2890		67	8.1
105-60-2	Caprolactam	2780		330	76
59-50-7	4-Chloro-3-methylphenol	6450		330	50
91-57-6	2-Methylnaphthalene	3070		330	43
118-74-1	Hexachlorobenzene	3150		33	4.5
77-47-4	Hexachlorocyclopentadiene	2140		330	39
88-06-2	2,4,6-Trichlorophenol	5930		330	39
95-95-4	2,4,5-Trichlorophenol	5660		330	43
92-52-4	Diphenyl	2990		330	44
91-58-7	2-Chloronaphthalene	2940		330	37
88-74-4	2-Nitroaniline	3600		670	140
606-20-2	2,6-Dinitrotoluene	3190		67	10
131-11-3	Dimethyl phthalate	3150		330	39
208-96-8	Acenaphthylene	2960		330	39
99-09-2	3-Nitroaniline	2510		670	120
83-32-9	Acenaphthene	3060		330	48

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-117106/2-A

Matrix: Solid Lab File ID: z19063.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3541 Date Extracted: 06/22/2012 08:49

Sample wt/vol: 15.00(g) Date Analyzed: 06/26/2012 10:26

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

Injection Volume: 1(uL) Level: (low/med) Low

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

Analysis Batch No.: 117976 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	5410		1000	210
51-28-5	2,4-Dinitrophenol	1140		1000	190
132-64-9	Dibenzofuran	2950		330	39
84-66-2	Diethyl phthalate	3130		330	39
86-73-7	Fluorene	3080		330	42
206-44-0	Fluoranthene	3090		330	44
84-74-2	Di-n-butyl phthalate	3160		330	41
121-14-2	2,4-Dinitrotoluene	3180		67	11
7005-72-3	4-Chlorophenyl phenyl ether	3120		330	39
100-01-6	4-Nitroaniline	2930		670	100
534-52-1	4,6-Dinitro-2-methylphenol	2220		1000	90
101-55-3	4-Bromophenyl phenyl ether	3210		330	33
1912-24-9	Atrazine	2320		330	51
120-12-7	Anthracene	3080		330	40
86-74-8	Carbazole	3160		330	39
85-01-8	Phenanthrene	3130		330	42
87-86-5	Pentachlorophenol	5490		1000	99
129-00-0	Pyrene	3370		330	28
218-01-9	Chrysene	3170		330	39
207-08-9	Benzo[k]fluoranthene	2840		33	2.5
191-24-2	Benzo[g,h,i]perylene	3110		330	25
205-99-2	Benzo[b]fluoranthene	2830		33	2.1
50-32-8	Benzo[a]pyrene	2900		33	2.3
56-55-3	Benzo[a]anthracene	3050		33	2.3
86-30-6	N-Nitrosodiphenylamine	3360		330	33
85-68-7	Butyl benzyl phthalate	3330		330	30
117-81-7	Bis(2-ethylhexyl) phthalate	3310		330	110
117-84-0	Di-n-octyl phthalate	3020		330	21
193-39-5	Indeno[1,2,3-cd]pyrene	2410		33	6.2
53-70-3	Dibenz(a,h)anthracene	2680		33	4.2
91-94-1	3,3'-Dichlorobenzidine	2290		670	120
95-94-3	1,2,4,5-Tetrachlorobenzene	2740		330	45
58-90-2	2,3,4,6-Tetrachlorophenol	3020		330	43
123-91-1	1,4-Dioxane	1490		330	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 460-117106/2-A
Matrix: Solid Lab File ID: z19063.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 15.00(g) Date Analyzed: 06/26/2012 10:26
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 117976 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	74		38-105
4165-62-2	Phenol-d5	75		41-118
1718-51-0	Terphenyl-d14	83		16-151
118-79-6	2,4,6-Tribromophenol	74		10-120
367-12-4	2-Fluorophenol	72		37-125
321-60-8	2-Fluorobiphenyl	73		40-109

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19063.d
 Report Date: 27-Jun-2012 11:53

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19063.d
 Lab Smp Id: LCS 460-117106/2-A
 Inj Date : 26-JUN-2012 10:26
 Operator : BNAMS 4
 Smp Info : LCS 460-117106/2-A
 Misc Info :
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/26jun12.b/8270C_11.m
 Meth Date : 26-Jun-2012 09:07 croccom Quant Type: ISTD
 Cal Date : 25-JUN-2012 01:50 Cal File: z19018.d
 Als bottle: 6 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.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	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	1.114	0.991 (0.326)	96308	22.3761	1500	
19 N-Nitrosodimethylamine	74	1.285	1.185 (0.376)	256472	43.1359	2900(RH)	
71 Pyridine	79	1.303	1.202 (0.382)	300951	28.2948	1900	
\$ 16 2-Fluorophenol (SUR)	112	2.226	2.179 (0.652)	699563	71.5617	4800	
110 Benzaldehyde	77	2.967	2.955 (0.869)	95194	23.2896	1600	
\$ 17 Phenol-d5 (SUR)	99	3.108	3.091 (0.910)	860032	74.6871	5000	
1 Phenol	94	3.126	3.108 (0.916)	1109560	84.2399	5600	
73 Aniline	93	3.091	3.079 (0.905)	440774	31.7376	2100	
20 bis(2-Chloroethyl)ether	93	3.179	3.167 (0.931)	472815	43.1085	2900	
2 2-Chlorophenol	128	3.208	3.202 (0.940)	976152	89.4067	6000	
113 n-decane	43	3.279	3.273 (0.960)	368165	31.8262	2100	
21 1,3-Dichlorobenzene	146	3.355	3.349 (0.983)	494919	42.3865	2800(R)	
* 79 1,4-Dichlorobenzene-d4	152	3.414	3.408 (1.000)	295231	40.0000		

Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19063.d
Report Date: 27-Jun-2012 11:53

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.432	3.426	(1.005)	506990	42.9278	2900
74 Benzyl Alcohol	108	3.597	3.585	(1.053)	303751	51.5233	3400
23 1,2-Dichlorobenzene	146	3.579	3.579	(1.048)	470503	43.2308	2900
3 2-Methylphenol	108	3.720	3.720	(1.090)	799526	90.8510	6000
24 bis (2-chloroisopropyl) ether	45	3.714	3.720	(1.088)	515570	37.2843	2500
4 4-Methylphenol	108	3.902	3.896	(1.143)	798298	92.6255	6200
123 3 & 4 Methylphenol	108	3.902	3.896	(1.143)	798298	92.5855	6200
104 Acetophenone	105	3.855	3.849	(1.129)	577355	44.0370	2900
25 N-Nitroso-di-n-propylamine	70	3.914	3.873	(1.146)	294691	44.7904	3000
26 Hexachloroethane	117	3.920	3.920	(1.148)	184448	41.4000	2800
\$ 76 Nitrobenzene-d5 (SUR)	82	3.997	3.996	(0.848)	385747	36.8115	2400
27 Nitrobenzene	77	4.020	4.020	(0.853)	588437	43.5761	2900
107 N,N-Dimethylaniline	120	4.026	4.026	(1.179)	637392	43.3212	2900
28 Isophorone	82	4.296	4.273	(0.911)	742300	44.0682	2900(MH)
5 2-Nitrophenol	139	4.344	4.338	(0.921)	526966	92.9903	6200
6 2,4-Dimethylphenol	122	4.438	4.426	(0.941)	812855	94.0317	6300
29 bis(2-Chloroethoxy)methane	93	4.520	4.514	(0.959)	504369	46.9489	3100
15 Benzoic Acid	122	4.644	4.643	(0.985)	213900	51.3403	3400
7 2,4-Dichlorophenol	162	4.602	4.596	(0.976)	674419	88.7635	5900
30 1,2,4-Trichlorobenzene	180	4.667	4.667	(0.990)	388270	44.8387	3000
* 80 Naphthalene-d8	136	4.714	4.714	(1.000)	1131064	40.0000	
31 Naphthalene	128	4.738	4.738	(1.005)	1332366	44.8318	3000
32 4-Chloroaniline	127	4.814	4.814	(1.021)	387616	35.6098	2400
33 Hexachlorobutadiene	225	4.879	4.879	(1.035)	205614	43.3500	2900
111 Caprolactam	113	5.255	5.238	(1.115)	87777	41.6294	2800
8 4-Chloro-3-methylphenol	107	5.361	5.349	(1.137)	692034	96.7195	6400
34 2-Methylnaphthalene	142	5.438	5.438	(1.153)	831552	45.9794	3100
120 1-Methylnaphthalene	142	5.532	5.532	(1.173)	779996	42.0361	2800
35 Hexachlorocyclopentadiene	237	5.602	5.602	(0.867)	146530	32.1731	2100
129 1,2,4,5-Tetrachlorobenzene	216	5.608	5.608	(0.868)	318776	41.0817	2700
9 2,4,6-Trichlorophenol	196	5.743	5.737	(0.889)	463794	88.9277	5900
10 2,4,5-Trichlorophenol	196	5.785	5.779	(0.895)	434963	84.9418	5700
\$ 77 2-Fluorobiphenyl (SUR)	172	5.820	5.820	(0.901)	707438	36.7183	2400
102 Diphenyl	154	5.908	5.908	(0.914)	926645	44.8908	3000
36 2-Chloronaphthalene	162	5.920	5.920	(0.916)	686473	44.0812	2900
103 Diphenyl Ether	170	6.014	6.014	(0.931)	518672	45.1624	3000
37 2-Nitroaniline	65	6.038	6.037	(0.934)	246383	53.9698	3600
38 Dimethylphthalate	163	6.243	6.243	(0.966)	743010	47.2453	3100
40 2,6-Dinitrotoluene	165	6.290	6.290	(0.974)	174339	47.8195	3200
39 Acenaphthylene	152	6.314	6.320	(0.977)	1115471	44.3628	3000
41 3-Nitroaniline	138	6.449	6.449	(0.998)	144344	37.6619	2500
* 82 Acenaphthene-d10	164	6.461	6.461	(1.000)	548230	40.0000	
42 Acenaphthene	154	6.490	6.490	(1.005)	681611	45.8406	3000
11 2,4-Dinitrophenol	184	6.549	6.555	(1.014)	27462	17.0446	1100
12 4-Nitrophenol	65	6.661	6.655	(1.031)	202030	81.1925	5400
44 2,4-Dinitrotoluene	165	6.685	6.679	(1.035)	214118	47.7450	3200
43 Dibenzofuran	168	6.661	6.661	(1.031)	917284	44.1950	2900

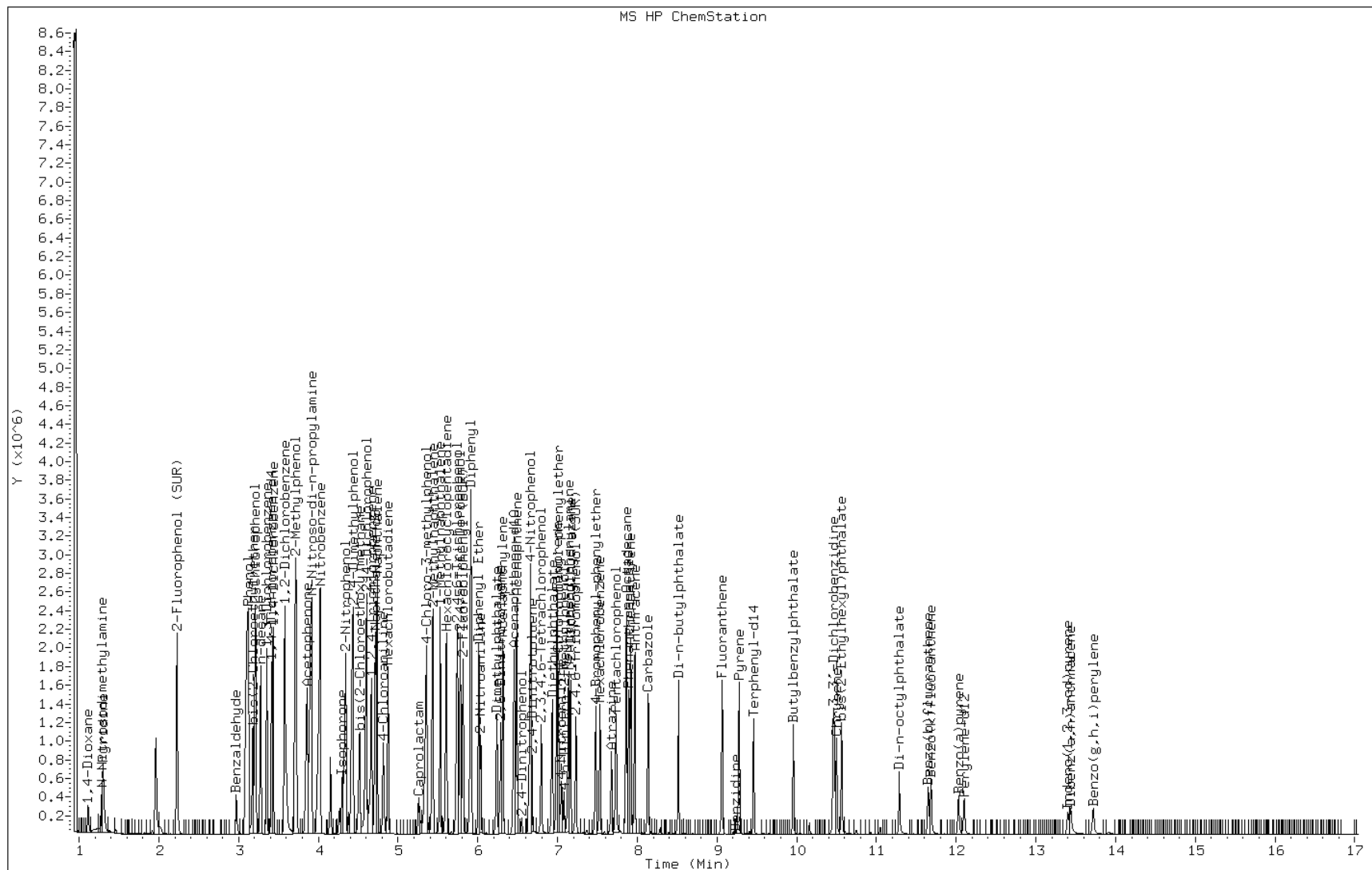
Data File: /chem/BNAMS11.i/8270/06-24-12/26jun12.b/z19063.d
Report Date: 27-Jun-2012 11:53

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
130 2,3,4,6-Tetrachlorophenol	232		6.796	6.796	(1.052)		148384	45.3742	3000
45 Diethylphthalate	149		6.938	6.937	(1.074)		707814	46.9417	3100
46 4-Chlorophenyl-phenylether	204		7.014	7.008	(1.086)		361906	46.8374	3100
47 Fluorene	166		6.996	6.996	(1.083)		762093	46.2164	3100
48 4-Nitroaniline	138		7.049	7.049	(1.091)		135061	44.0141	2900
13 4,6-Dinitro-2-methylphenol	198		7.079	7.079	(0.896)		73574	33.2655	2200
49 N-Nitrosodiphenylamine	169		7.137	7.137	(0.904)		532565	50.3480	3400
75 1,2-Diphenylhydrazine	77		7.167	7.167	(0.908)		708495	39.1567	2600
\$ 18 2,4,6-Tribromophenol (SUR)	330		7.232	7.231	(1.119)		153300	73.7544	4900
50 4-Bromophenyl-phenylether	248		7.485	7.484	(0.948)		191214	48.0814	3200
51 Hexachlorobenzene	284		7.532	7.531	(0.954)		196384	47.2655	3200
112 Atrazine	200		7.679	7.684	(0.972)		117482	34.8725	2300
14 Pentachlorophenol	266		7.737	7.731	(0.980)		183927	82.3226	5500
115 n-Octadecane	57		7.867	7.867	(0.996)		477920	48.7940	3200
* 83 Phenanthrene-d10	188		7.896	7.896	(1.000)		690004	40.0000	
52 Phenanthrene	178		7.920	7.920	(1.003)		884039	46.9160	3100
53 Anthracene	178		7.973	7.973	(1.010)		876422	46.1491	3100
54 Carbazole	167		8.137	8.137	(1.031)		728180	47.3744	3200
55 Di-n-butylphthalate	149		8.520	8.520	(1.079)		932298	47.4271	3200
56 Fluoranthene	202		9.067	9.067	(1.148)		732647	46.3513	3100
58 Benzidine	184		9.226	9.220	(1.168)		5968	2.52317	170(aR)
57 Pyrene	202		9.279	9.284	(0.886)		712670	50.5138	3400
\$ 78 Terphenyl-d14	244		9.461	9.467	(0.903)		387625	41.3025	2800
59 Butylbenzylphthalate	149		9.961	9.961	(0.951)		271312	49.9481	3300
60 3,3'-Dichlorobenzidine	252		10.461	10.461	(0.999)		84643	34.3628	2300
61 Benzo(a)anthracene	228		10.461	10.461	(0.999)		416496	45.8239	3000
* 81 Chrysene-d12	240		10.473	10.472	(1.000)		298744	40.0000	
63 bis(2-Ethylhexyl)phthalate	149		10.561	10.561	(1.008)		352314	49.6667	3300
62 Chrysene	228		10.502	10.502	(1.003)		412828	47.5498	3200
64 Di-n-octylphthalate	149		11.284	11.290	(0.932)		446514	45.3064	3000
65 Benzo(b)fluoranthene	252		11.649	11.649	(0.963)		269628	42.4268	2800
66 Benzo(k)fluoranthene	252		11.684	11.684	(0.965)		309743	42.6657	2800
67 Benzo(a)pyrene	252		12.031	12.031	(0.994)		218536	43.5627	2900
* 84 Perylene-d12	264		12.102	12.102	(1.000)		186861	40.0000	
68 Indeno(1,2,3-cd)pyrene	276		13.402	13.402	(1.107)		150432	36.1560	2400
69 Dibenz(a,h)anthracene	278		13.437	13.437	(1.110)		176922	40.2463	2700
70 Benzo(g,h,i)perylene	276		13.719	13.713	(1.134)		183168	46.6031	3100

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Operator: BNAMS 4

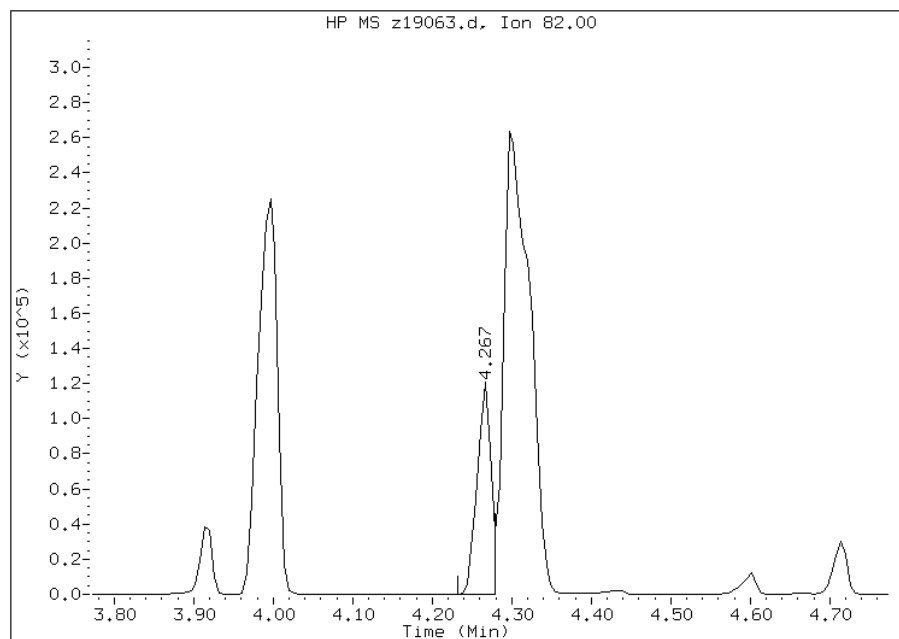


Manual Integration Report

Data File: z19063.d
Inj. Date and Time: 26-JUN-2012 10:26
Instrument ID: BNAMS11.i
Client ID:
Compound: 28 Isophorone
CAS #: 78-59-1
Report Date: 06/29/2012

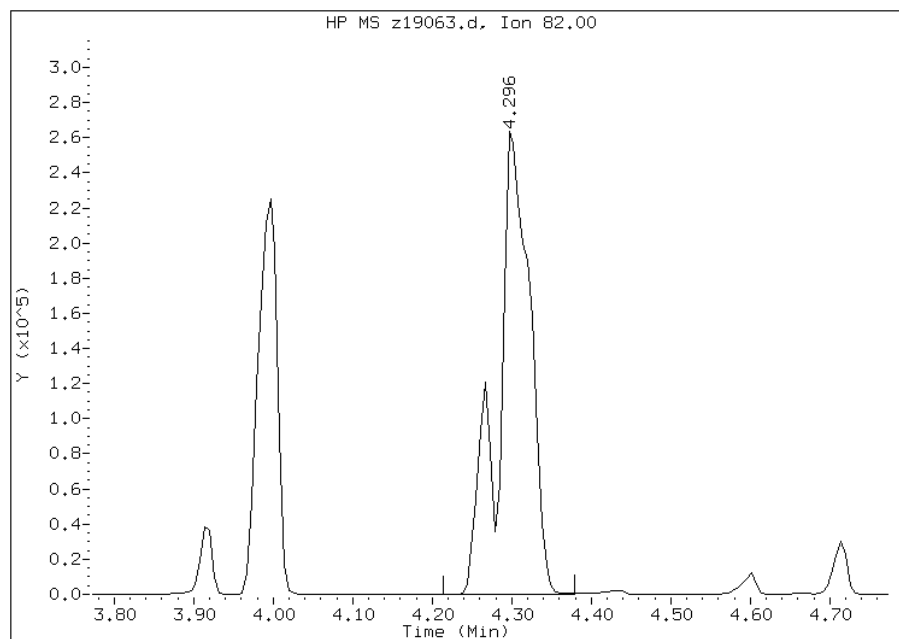
Processing Integration Results

RT: 4.27
Response: 146585
Amount: 9
Conc: 580



Manual Integration Results

RT: 4.30
Response: 742300
Amount: 44
Conc: 2938



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-117111/2-A

Matrix: Solid Lab File ID: u77724.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3541 Date Extracted: 06/22/2012 08:58

Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 15:26

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

Injection Volume: 1(uL) Level: (low/med) Low

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

Analysis Batch No.: 117489 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	6250		330	44
95-57-8	2-Chlorophenol	6940		330	44
95-48-7	2-Methylphenol	6610		330	56
106-44-5	4-Methylphenol	6420		330	65
100-52-7	Benzaldehyde	1770		330	39
98-86-2	Acetophenone	2640		330	51
111-44-4	Bis(2-chloroethyl) ether	2930		33	4.5
108-60-1	2,2'-oxybis[1-chloropropane]	2800		330	37
621-64-7	N-Nitrosodi-n-propylamine	2090		33	5.5
98-95-3	Nitrobenzene	2500		33	4.7
67-72-1	Hexachloroethane	2390		33	3.7
78-59-1	Isophorone	2340		330	40
88-75-5	2-Nitrophenol	5760		330	37
105-67-9	2,4-Dimethylphenol	6180		330	82
120-83-2	2,4-Dichlorophenol	5860		330	48
111-91-1	Bis(2-chloroethoxy)methane	2850		330	43
91-20-3	Naphthalene	2780		330	38
106-47-8	4-Chloroaniline	2170		330	88
87-68-3	Hexachlorobutadiene	2410		67	8.1
105-60-2	Caprolactam	1840		330	76
59-50-7	4-Chloro-3-methylphenol	5800		330	50
91-57-6	2-Methylnaphthalene	2780		330	43
118-74-1	Hexachlorobenzene	2500		33	4.5
77-47-4	Hexachlorocyclopentadiene	1520		330	39
88-06-2	2,4,6-Trichlorophenol	5230		330	39
95-95-4	2,4,5-Trichlorophenol	5300		330	43
92-52-4	Diphenyl	2810		330	44
91-58-7	2-Chloronaphthalene	2690		330	37
88-74-4	2-Nitroaniline	2640		670	140
606-20-2	2,6-Dinitrotoluene	2900		67	10
131-11-3	Dimethyl phthalate	2820		330	39
208-96-8	Acenaphthylene	2680		330	39
99-09-2	3-Nitroaniline	2370		670	120
83-32-9	Acenaphthene	2650		330	48

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-117111/2-A

Matrix: Solid Lab File ID: u77724.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3541 Date Extracted: 06/22/2012 08:58

Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 15:26

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

Injection Volume: 1(uL) Level: (low/med) Low

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

Analysis Batch No.: 117489 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	5330		1000	210
51-28-5	2,4-Dinitrophenol	1470		1000	190
132-64-9	Dibenzofuran	2640		330	39
84-66-2	Diethyl phthalate	2840		330	39
86-73-7	Fluorene	2830		330	42
206-44-0	Fluoranthene	2480		330	44
84-74-2	Di-n-butyl phthalate	2830		330	41
121-14-2	2,4-Dinitrotoluene	2960		67	11
7005-72-3	4-Chlorophenyl phenyl ether	2530		330	39
100-01-6	4-Nitroaniline	2910		670	100
534-52-1	4,6-Dinitro-2-methylphenol	2580		1000	90
101-55-3	4-Bromophenyl phenyl ether	2540		330	33
1912-24-9	Atrazine	1850		330	51
120-12-7	Anthracene	2510		330	40
86-74-8	Carbazole	2630		330	39
85-01-8	Phenanthrene	2640		330	42
87-86-5	Pentachlorophenol	4190		1000	99
129-00-0	Pyrene	2780		330	28
218-01-9	Chrysene	2790		330	39
207-08-9	Benzo[k]fluoranthene	2260		33	2.5
191-24-2	Benzo[g,h,i]perylene	2250		330	25
205-99-2	Benzo[b]fluoranthene	2150		33	2.1
50-32-8	Benzo[a]pyrene	2410		33	2.3
56-55-3	Benzo[a]anthracene	2540		33	2.3
86-30-6	N-Nitrosodiphenylamine	2860		330	33
85-68-7	Butyl benzyl phthalate	2990		330	30
117-81-7	Bis(2-ethylhexyl) phthalate	2860		330	110
117-84-0	Di-n-octyl phthalate	2520		330	21
193-39-5	Indeno[1,2,3-cd]pyrene	2360		33	6.2
53-70-3	Dibenz(a,h)anthracene	2270		33	4.2
91-94-1	3,3'-Dichlorobenzidine	2220		670	120
95-94-3	1,2,4,5-Tetrachlorobenzene	2240		330	45
58-90-2	2,3,4,6-Tetrachlorophenol	2470		330	43
123-91-1	1,4-Dioxane	1130		330	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 460-117111/2-A
Matrix: Solid Lab File ID: u77724.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3541 Date Extracted: 06/22/2012 08:58
Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 15:26
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 117489 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	64		38-105
4165-62-2	Phenol-d5	79		41-118
1718-51-0	Terphenyl-d14	68		16-151
118-79-6	2,4,6-Tribromophenol	59		10-120
367-12-4	2-Fluorophenol	80		37-125
321-60-8	2-Fluorobiphenyl	61		40-109

Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77724.d
 Report Date: 26-Jun-2012 09:26

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77724.d
 Lab Smp Id: LCS 460-117111/2-A
 Inj Date : 25-JUN-2012 15:26
 Operator : BNAMS 4
 Smp Info : LCS 460-117111/2-A
 Misc Info :
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/8270C_11.m
 Meth Date : 25-Jun-2012 13:19 czhao
 Cal Date : 20-JUN-2012 17:43
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS4.i
 Quant Type: ISTD
 Cal File: u77571.d
 QC Sample: BS
 Compound Sublist: all.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	1.166	1.144	(0.315)	30841	16.9780	1100
19 N-Nitrosodimethylamine	74	1.371	1.356	(0.370)	130404	38.2676	2600
71 Pyridine	79	1.393	1.371	(0.376)	128353	23.7953	1600
\$ 16 2-Fluorophenol (SUR)	112	2.451	2.438	(0.662)	376085	80.1661	5300
110 Benzaldehyde	77	3.257	3.248	(0.879)	67955	26.5181	1800
73 Aniline	93	3.375	3.372	(0.911)	284000	35.3735	2400
\$ 17 Phenol-d5 (SUR)	99	3.390	3.387	(0.915)	546800	78.9458	5300
1 Phenol	94	3.405	3.402	(0.919)	699837	93.7569	6200
20 bis(2-Chloroethyl)ether	93	3.457	3.454	(0.933)	250004	43.9585	2900
2 2-Chlorophenol	128	3.500	3.499	(0.945)	453807	104.100	6900
113 n-decane	43	3.557	3.558	(0.961)	183088	24.8691	1600
21 1,3-Dichlorobenzene	146	3.646	3.646	(0.984)	203168	39.9991	2700
* 79 1,4-Dichlorobenzene-d4	152	3.704	3.706	(1.000)	138782	40.0000	

Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77724.d
Report Date: 26-Jun-2012 09:26

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.726	3.721	(1.006)	200711	38.2616	2600
74 Benzyl Alcohol	108	3.881	3.876	(1.048)	164567	48.9727	3300
23 1,2-Dichlorobenzene	146	3.873	3.876	(1.046)	204168	40.9207	2700
24 bis (2-chloroisopropyl) ether	45	4.007	4.008	(1.082)	449215	42.0123	2800
3 2-Methylphenol	108	4.007	4.008	(1.082)	465411	99.1788	6600
104 Acetophenone	105	4.141	4.141	(1.118)	320933	39.5894	2600
25 N-Nitroso-di-n-propylamine	70	4.163	4.156	(1.124)	161132	31.3368	2100
4 4-Methylphenol	108	4.185	4.177	(1.130)	465804	96.3100	6400
123 3 & 4 Methylphenol	108	4.185	4.177	(1.130)	465804	96.1674	6400
26 Hexachloroethane	117	4.215	4.214	(1.138)	101157	35.8645	2400
\$ 76 Nitrobenzene-d5 (SUR)	82	4.288	4.288	(0.855)	274521	31.8807	2100
27 Nitrobenzene	77	4.311	4.317	(0.860)	426159	37.5354	2500
107 N,N-Dimethylaniline	120	4.311	4.317	(1.164)	271454	41.7561	2800
28 Isophorone	82	4.583	4.565	(0.914)	507660	35.0469	2300(H)
5 2-Nitrophenol	139	4.634	4.630	(0.924)	249143	86.4020	5800
6 2,4-Dimethylphenol	122	4.723	4.717	(0.942)	397893	92.7676	6200
29 bis(2-Chloroethoxy)methane	93	4.798	4.799	(0.957)	314572	42.7969	2800
7 2,4-Dichlorophenol	162	4.893	4.896	(0.976)	415460	87.8787	5800
15 Benzoic Acid	122	4.953	4.933	(0.988)	151390	59.7045	4000
30 1,2,4-Trichlorobenzene	180	4.961	4.963	(0.990)	196843	38.1962	2500
* 80 Naphthalene-d8	136	5.013	5.013	(1.000)	558250	40.0000	
31 Naphthalene	128	5.035	5.034	(1.004)	571180	41.7134	2800
32 4-Chloroaniline	127	5.110	5.108	(1.019)	182191	32.6097	2200
33 Hexachlorobutadiene	225	5.168	5.174	(1.031)	125845	36.2073	2400
111 Caprolactam	113	5.548	5.540	(1.107)	43570	27.5990	1800
8 4-Chloro-3-methylphenol	107	5.650	5.644	(1.127)	501638	87.0658	5800
34 2-Methylnaphthalene	142	5.737	5.732	(1.145)	375644	41.7102	2800
120 1-Methylnaphthalene	142	5.833	5.836	(1.164)	356696	38.4038	2600
35 Hexachlorocyclopentadiene	237	5.899	5.903	(0.872)	89640	22.7296	1500
129 1,2,4,5-Tetrachlorobenzene	216	5.913	5.911	(0.874)	203877	33.5839	2200(R)
9 2,4,6-Trichlorophenol	196	6.045	6.042	(0.893)	308235	78.3868	5200
10 2,4,5-Trichlorophenol	196	6.090	6.086	(0.900)	326723	79.5725	5300
\$ 77 2-Fluorobiphenyl (SUR)	172	6.112	6.115	(0.903)	363781	30.4014	2000
102 Diphenyl	154	6.215	6.210	(0.918)	532898	42.1316	2800
36 2-Chloronaphthalene	162	6.223	6.225	(0.920)	430088	40.3721	2700
103 Diphenyl Ether	170	6.311	6.315	(0.933)	280989	39.1459	2600
37 2-Nitroaniline	65	6.341	6.345	(0.937)	213949	39.6132	2600
38 Dimethylphthalate	163	6.541	6.542	(0.967)	529525	42.2582	2800
40 2,6-Dinitrotoluene	165	6.600	6.594	(0.975)	129336	43.5288	2900
39 Acenaphthylene	152	6.628	6.632	(0.979)	636112	40.2738	2700
41 3-Nitroaniline	138	6.760	6.764	(0.999)	100299	35.5945	2400
* 82 Acenaphthene-d10	164	6.768	6.772	(1.000)	377279	40.0000	
42 Acenaphthene	154	6.804	6.807	(1.005)	378451	39.6935	2600
11 2,4-Dinitrophenol	184	6.864	6.866	(1.014)	38945	22.1051	1500
12 4-Nitrophenol	65	6.982	6.968	(1.032)	296193	80.0128	5300
43 Dibenzofuran	168	6.974	6.975	(1.031)	593180	39.5312	2600
44 2,4-Dinitrotoluene	165	6.997	6.998	(1.034)	173792	44.3665	3000

Data File: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b/u77724.d
Report Date: 26-Jun-2012 09:26

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
130 2,3,4,6-Tetrachlorophenol	232		7.115	7.113	(1.051)		115671	37.1021	2500
45 Diethylphthalate	149		7.242	7.238	(1.070)		558420	42.6297	2800
47 Fluorene	166		7.315	7.312	(1.081)		496417	42.3768	2800
46 4-Chlorophenyl-phenylether	204		7.322	7.320	(1.082)		228862	37.9747	2500
48 4-Nitroaniline	138		7.375	7.372	(1.090)		108720	43.6655	2900
13 4,6-Dinitro-2-methylphenol	198		7.411	7.410	(0.900)		93153	38.6739	2600
49 N-Nitrosodiphenylamine	169		7.448	7.453	(0.905)		347657	42.9685	2900
75 1,2-Diphenylhydrazine	77		7.478	7.483	(0.909)		705739	32.5383	2200
\$ 18 2,4,6-Tribromophenol (SUR)	330		7.559	7.558	(1.117)		138973	59.3972	4000
50 4-Bromophenyl-phenylether	248		7.801	7.802	(0.948)		133582	38.0582	2500
51 Hexachlorobenzene	284		7.860	7.861	(0.955)		164783	37.5689	2500
112 Atrazine	200		7.993	7.993	(0.971)		91466	27.6828	1800
14 Pentachlorophenol	266		8.066	8.060	(0.980)		175349	62.8104	4200
115 n-Octadecane	57		8.163	8.169	(0.992)		432208	37.9986	2500
* 83 Phenanthrene-d10	188		8.230	8.228	(1.000)		611612	40.0000	
52 Phenanthrene	178		8.253	8.258	(1.003)		675556	39.5541	2600
53 Anthracene	178		8.305	8.303	(1.009)		646740	37.5954	2500
54 Carbazole	167		8.471	8.471	(1.029)		578204	39.4270	2600
55 Di-n-butylphthalate	149		8.830	8.830	(1.073)		930411	42.4818	2800
56 Fluoranthene	202		9.411	9.412	(1.143)		649776	37.1954	2500
58 Benzidine	184		9.557	9.552	(1.161)		14632	4.14089	280(aR)
57 Pyrene	202		9.630	9.634	(0.886)		673495	41.6644	2800
\$ 78 Terphenyl-d14	244		9.798	9.795	(0.901)		369224	33.7601	2200
59 Butylbenzylphthalate	149		10.292	10.289	(0.947)		363895	44.8070	3000
60 3,3'-Dichlorobenzidine	252		10.846	10.839	(0.997)		125029	33.2927	2200
61 Benzo(a)anthracene	228		10.852	10.854	(0.998)		485980	38.0491	2500
* 81 Chrysene-d12	240		10.873	10.867	(1.000)		436298	40.0000	
63 bis(2-Ethylhexyl)phthalate	149		10.924	10.918	(1.005)		447014	42.8884	2800
62 Chrysene	228		10.902	10.897	(1.003)		465391	41.8709	2800
64 Di-n-octylphthalate	149		11.693	11.694	(0.927)		656898	37.7872	2500
65 Benzo(b)fluoranthene	252		12.134	12.134	(0.962)		387568	32.3010	2200
66 Benzo(k)fluoranthene	252		12.177	12.172	(0.965)		369713	33.8930	2200
67 Benzo(a)pyrene	252		12.545	12.540	(0.994)		302036	36.1657	2400
* 84 Perylene-d12	264		12.619	12.614	(1.000)		318811	40.0000	
68 Indeno(1,2,3-cd)pyrene	276		13.996	13.996	(1.109)		313955	35.3403	2400
69 Dibenz(a,h)anthracene	278		14.024	14.018	(1.111)		257334	33.9942	2300
70 Benzo(g,h,i)perylene	276		14.341	14.335	(1.136)		263747	33.7773	2200

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.

Data File: u77724.d

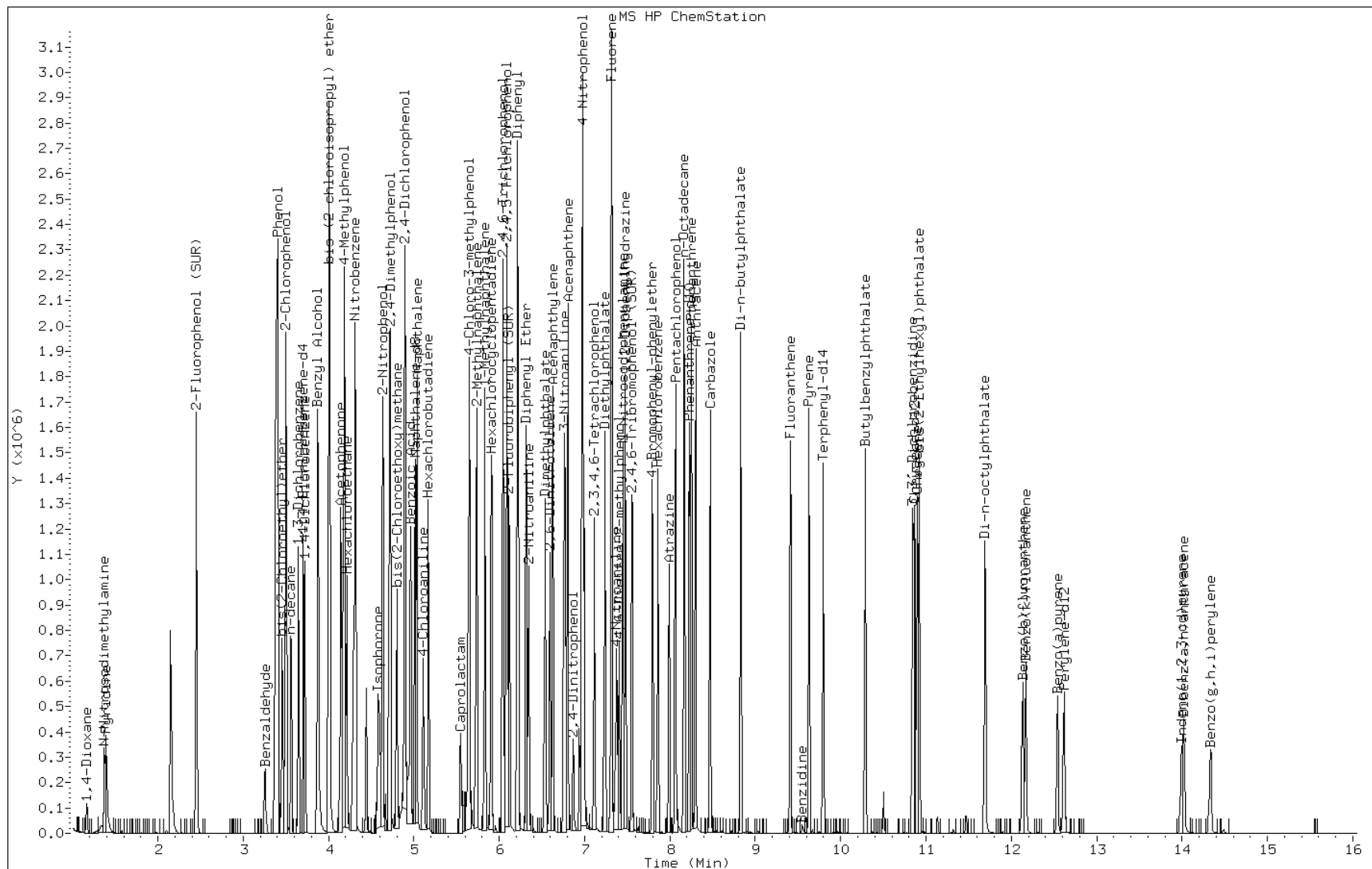
Date: 25-JUN-2012 15:26

Client ID:

Instrument: BNAMS4.i

Sample Info: LCS 460-117111/2-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-12 MS</u>	Lab Sample ID: <u>460-41546-21 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z19102.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 15:10</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:49</u>
Sample wt/vol: <u>15.04(g)</u>	Date Analyzed: <u>06/27/2012 14:49</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117977</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	5950		350	48
95-57-8	2-Chlorophenol	6510		350	47
95-48-7	2-Methylphenol	6600		350	61
106-44-5	4-Methylphenol	6550		350	70
100-52-7	Benzaldehyde	1560		350	42
98-86-2	Acetophenone	3190		350	55
111-44-4	Bis(2-chloroethyl) ether	3130		35	4.9
108-60-1	2,2'-oxybis[1-chloropropane]	2760		350	39
621-64-7	N-Nitrosodi-n-propylamine	3400		35	5.9
98-95-3	Nitrobenzene	3270		35	5.1
67-72-1	Hexachloroethane	2990		35	4.0
78-59-1	Isophorone	3220		350	43
88-75-5	2-Nitrophenol	6830		350	40
105-67-9	2,4-Dimethylphenol	6700		350	88
120-83-2	2,4-Dichlorophenol	6440		350	52
111-91-1	Bis(2-chloroethoxy)methane	3480		350	46
91-20-3	Naphthalene	3300		350	41
106-47-8	4-Chloroaniline	2100		350	94
87-68-3	Hexachlorobutadiene	3210		72	8.7
105-60-2	Caprolactam	2940		350	82
59-50-7	4-Chloro-3-methylphenol	6700		350	54
91-57-6	2-Methylnaphthalene	3300		350	46
118-74-1	Hexachlorobenzene	3720		35	4.9
77-47-4	Hexachlorocyclopentadiene	2270		350	42
88-06-2	2,4,6-Trichlorophenol	6700		350	42
95-95-4	2,4,5-Trichlorophenol	6550		350	46
92-52-4	Diphenyl	3620		350	48
91-58-7	2-Chloronaphthalene	3520		350	40
88-74-4	2-Nitroaniline	3130		720	150
606-20-2	2,6-Dinitrotoluene	3500		72	11
131-11-3	Dimethyl phthalate	3490		350	42
208-96-8	Acenaphthylene	3390		350	42
99-09-2	3-Nitroaniline	2550		720	130
83-32-9	Acenaphthene	3560		350	52

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-12 MS</u>	Lab Sample ID: <u>460-41546-21 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z19102.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 15:10</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:49</u>
Sample wt/vol: <u>15.04(g)</u>	Date Analyzed: <u>06/27/2012 14:49</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117977</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	5750		1100	230
51-28-5	2,4-Dinitrophenol	570	J	1100	200
132-64-9	Dibenzofuran	3400		350	42
84-66-2	Diethyl phthalate	3340		350	42
86-73-7	Fluorene	3410		350	45
206-44-0	Fluoranthene	3210		350	47
84-74-2	Di-n-butyl phthalate	3490		350	44
121-14-2	2,4-Dinitrotoluene	3250		72	12
7005-72-3	4-Chlorophenyl phenyl ether	3480		350	42
100-01-6	4-Nitroaniline	2390		720	110
534-52-1	4,6-Dinitro-2-methylphenol	1630		1100	97
101-55-3	4-Bromophenyl phenyl ether	3860		350	35
1912-24-9	Atrazine	2640		350	55
120-12-7	Anthracene	3520		350	43
86-74-8	Carbazole	3390		350	42
85-01-8	Phenanthrene	3630		350	45
87-86-5	Pentachlorophenol	4260		1100	110
129-00-0	Pyrene	3810		350	30
218-01-9	Chrysene	3810		350	42
207-08-9	Benzo[k]fluoranthene	3210		35	2.7
191-24-2	Benzo[g,h,i]perylene	4090		350	26
205-99-2	Benzo[b]fluoranthene	3190		35	2.2
50-32-8	Benzo[a]pyrene	3450		35	2.5
56-55-3	Benzo[a]anthracene	3610		35	2.5
86-30-6	N-Nitrosodiphenylamine	4050		350	35
85-68-7	Butyl benzyl phthalate	3990		350	33
117-81-7	Bis(2-ethylhexyl) phthalate	3960		350	120
117-84-0	Di-n-octyl phthalate	3290		350	23
193-39-5	Indeno[1,2,3-cd]pyrene	3430		35	6.6
53-70-3	Dibenz(a,h)anthracene	3620		35	4.5
91-94-1	3,3'-Dichlorobenzidine	3250		720	120
95-94-3	1,2,4,5-Tetrachlorobenzene	3300		350	48
58-90-2	2,3,4,6-Tetrachlorophenol	2680		350	46
123-91-1	1,4-Dioxane	1510		350	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-12 MS Lab Sample ID: 460-41546-21 MS
Matrix: Solid Lab File ID: z19102.d
Analysis Method: 8270C Date Collected: 06/20/2012 15:10
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 15.04(g) Date Analyzed: 06/27/2012 14:49
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 7.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117977 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	80		38-105
4165-62-2	Phenol-d5	77		41-118
1718-51-0	Terphenyl-d14	87		16-151
118-79-6	2,4,6-Tribromophenol	67		10-120
367-12-4	2-Fluorophenol	74		37-125
321-60-8	2-Fluorobiphenyl	83		40-109

Data File: /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19102.d
Report Date: 28-Jun-2012 09:24

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19102.d
Lab Smp Id: 460-41546-D-21-A MS Client Smp ID: F-12
Inj Date : 27-JUN-2012 14:49
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : 460-41546-D-21-A MS
Misc Info : 460-41546-D-21-A MS
Comment :
Method : /chem/BNAMS11.i/8270/06-24-12/27jun12.b/8270C_11.m
Meth Date : 27-Jun-2012 09:29 czhao Quant Type: ISTD
Cal Date : 25-JUN-2012 01:50 Cal File: z19018.d
Als bottle: 16 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	15.04000	Weight of sample extracted (g)
M	7.27969	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/ml)	(ug/Kg)
106 1,4-Dioxane	88	1.079	0.979	(0.318)	85327	21.0760	1500	
19 N-Nitrosodimethylamine	74	1.255	1.173	(0.370)	237840	42.5271	3000(RH)	
71 Pyridine	79	1.267	1.191	(0.374)	305008	30.4862	2200	
\$ 16 2-Fluorophenol (SUR)	112	2.214	2.167	(0.653)	676758	73.5985	5300	
110 Benzaldehyde	77	2.949	2.938	(0.870)	83617	21.7485	1600	
\$ 17 Phenol-d5 (SUR)	99	3.091	3.079	(0.912)	838755	77.4368	5600	
1 Phenol	94	3.108	3.091	(0.917)	1028116	82.9833	6000	
73 Aniline	93	3.067	3.061	(0.905)	363844	27.8519	2000	
20 bis(2-Chloroethyl)ether	93	3.155	3.149	(0.931)	450022	43.6202	3100	
2 2-Chlorophenol	128	3.191	3.185	(0.941)	933124	90.8602	6500	
113 n-decane	43	3.255	3.261	(0.960)	320302	29.4363	2100	
21 1,3-Dichlorobenzene	146	3.332	3.332	(0.983)	456410	41.5557	3000	
* 79 1,4-Dichlorobenzene-d4	152	3.391	3.390	(1.000)	277703	40.0000		

Data File: /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19102.d
 Report Date: 28-Jun-2012 09:24

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.408	3.408	(1.005)	467633	42.0945	3000
74 Benzyl Alcohol	108	3.573	3.567	(1.054)	286588	51.6804	3700
23 1,2-Dichlorobenzene	146	3.561	3.561	(1.050)	439294	42.9109	3100
3 2-Methylphenol	108	3.708	3.708	(1.094)	761530	91.9952	6600
24 bis (2-chloroisopropyl) ether	45	3.696	3.702	(1.090)	501458	38.5526	2800
4 4-Methylphenol	108	3.885	3.879	(1.146)	740643	91.3599	6600
123 3 & 4 Methylphenol	108	3.885	3.879	(1.146)	740643	91.3205	6500
104 Acetophenone	105	3.838	3.838	(1.132)	548022	44.4380	3200
25 N-Nitroso-di-n-propylamine	70	3.896	3.855	(1.149)	293757	47.4666	3400
26 Hexachloroethane	117	3.896	3.902	(1.149)	174779	41.7058	3000
\$ 76 Nitrobenzene-d5 (SUR)	82	3.979	3.979	(0.847)	381662	39.8929	2900
27 Nitrobenzene	77	4.002	4.002	(0.852)	562570	45.6310	3300
107 N,N-Dimethylaniline	120	4.002	4.008	(1.180)	592458	42.8088	3100
28 Isophorone	82	4.273	4.255	(0.910)	690999	44.9323	3200(M)
5 2-Nitrophenol	139	4.326	4.320	(0.921)	492794	95.2481	6800
6 2,4-Dimethylphenol	122	4.420	4.414	(0.941)	737594	93.4576	6700
29 bis(2-Chloroethoxy)methane	93	4.496	4.496	(0.957)	475860	48.5168	3500
15 Benzoic Acid	122	4.555	4.620	(0.970)	45992	13.1322	940(H)
7 2,4-Dichlorophenol	162	4.585	4.585	(0.976)	623494	89.8820	6400
30 1,2,4-Trichlorobenzene	180	4.649	4.649	(0.990)	361280	45.6982	3300
* 80 Naphthalene-d8	136	4.696	4.696	(1.000)	1032646	40.0000	
31 Naphthalene	128	4.720	4.720	(1.005)	1249722	46.0587	3300
32 4-Chloroaniline	127	4.790	4.796	(1.020)	291596	29.3417	2100
33 Hexachlorobutadiene	225	4.861	4.861	(1.035)	193771	44.7467	3200
111 Caprolactam	113	5.232	5.220	(1.114)	78888	40.9795	2900
8 4-Chloro-3-methylphenol	107	5.343	5.337	(1.138)	610376	93.4372	6700
34 2-Methylnaphthalene	142	5.420	5.420	(1.154)	759525	45.9993	3300
120 1-Methylnaphthalene	142	5.514	5.514	(1.174)	712088	42.0339	3000
35 Hexachlorocyclopentadiene	237	5.585	5.590	(0.867)	118668	31.6768	2300
129 1,2,4,5-Tetrachlorobenzene	216	5.590	5.596	(0.868)	293437	45.9746	3300
9 2,4,6-Trichlorophenol	196	5.726	5.726	(0.889)	400779	93.4239	6700
10 2,4,5-Trichlorophenol	196	5.767	5.767	(0.895)	384614	91.3136	6500
\$ 77 2-Fluorobiphenyl (SUR)	172	5.802	5.802	(0.900)	654410	41.2938	3000
102 Diphenyl	154	5.896	5.896	(0.915)	858021	50.5339	3600
36 2-Chloronaphthalene	162	5.902	5.902	(0.916)	628799	49.0888	3500
103 Diphenyl Ether	170	6.002	6.002	(0.932)	470387	49.7944	3600
37 2-Nitroaniline	65	6.020	6.026	(0.934)	163875	43.6409	3100
38 Dimethylphthalate	163	6.226	6.226	(0.966)	630102	48.7098	3500
40 2,6-Dinitrotoluene	165	6.273	6.279	(0.974)	146450	48.8361	3500
39 Acenaphthylene	152	6.302	6.302	(0.978)	976500	47.2144	3400
41 3-Nitroaniline	138	6.432	6.431	(0.998)	112333	35.6330	2600
* 82 Acenaphthene-d10	164	6.443	6.443	(1.000)	450943	40.0000	
42 Acenaphthene	154	6.473	6.479	(1.005)	606464	49.5861	3600
11 2,4-Dinitrophenol	184	6.537	6.543	(1.015)	10384	7.95290	570(aR)
12 4-Nitrophenol	65	6.649	6.643	(1.032)	164098	80.1760	5700
44 2,4-Dinitrotoluene	165	6.667	6.667	(1.035)	167350	45.3672	3200
43 Dibenzofuran	168	6.643	6.649	(1.031)	809638	47.4243	3400

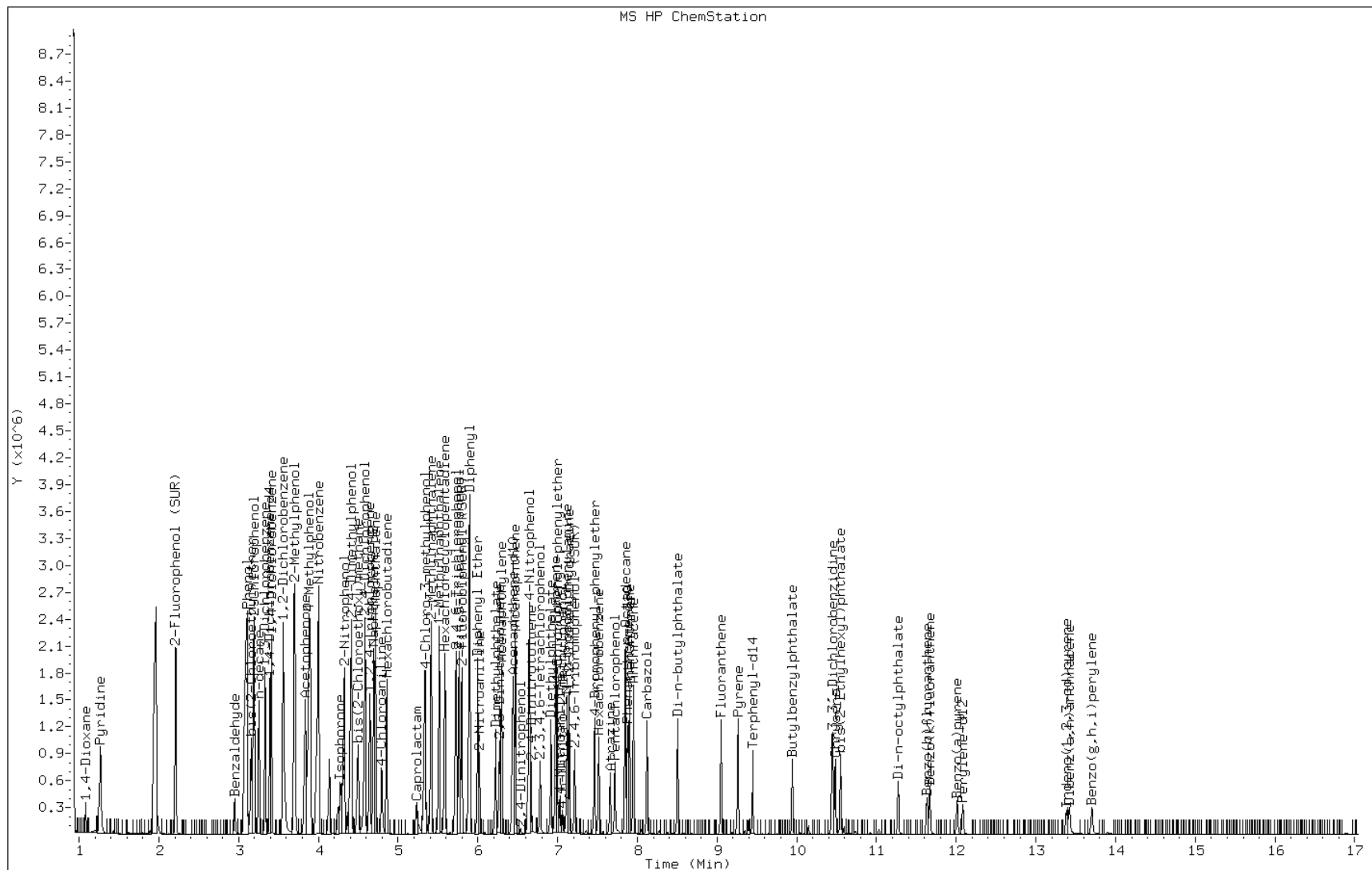
Data File: /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19102.d
 Report Date: 28-Jun-2012 09:24

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====
130 2,3,4,6-Tetrachlorophenol	232	6.784	6.784	(1.053)	100459	37.3467	2700
45 Diethylphthalate	149	6.920	6.920	(1.074)	577895	46.5940	3300
46 4-Chlorophenyl-phenylether	204	6.996	6.996	(1.086)	308740	48.5770	3500
47 Fluorene	166	6.979	6.978	(1.083)	646011	47.6287	3400
48 4-Nitroaniline	138	7.032	7.031	(1.091)	84309	33.4024	2400
13 4,6-Dinitro-2-methylphenol	198	7.061	7.067	(0.896)	36213	22.6892	1600
49 N-Nitrosodiphenylamine	169	7.120	7.120	(0.904)	431309	56.5047	4000(R)
75 1,2-Diphenylhydrazine	77	7.149	7.149	(0.907)	661258	50.6437	3600(R)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.220	7.220	(1.120)	113803	66.5642	4800
50 4-Bromophenyl-phenylether	248	7.467	7.467	(0.948)	154430	53.8114	3800(R)
51 Hexachlorobenzene	284	7.520	7.520	(0.954)	155584	51.8906	3700
112 Atrazine	200	7.667	7.667	(0.973)	89670	36.8845	2600
14 Pentachlorophenol	266	7.720	7.720	(0.980)	95687	59.3489	4200
115 n-Octadecane	57	7.849	7.855	(0.996)	421122	59.5807	4300
* 83 Phenanthrene-d10	188	7.878	7.884	(1.000)	497927	40.0000	
52 Phenanthrene	178	7.902	7.908	(1.003)	689154	50.6817	3600
53 Anthracene	178	7.955	7.955	(1.010)	673056	49.1119	3500
54 Carbazole	167	8.126	8.125	(1.031)	524176	47.2572	3400
55 Di-n-butylphthalate	149	8.502	8.508	(1.079)	691260	48.7303	3500
56 Fluoranthene	202	9.055	9.055	(1.149)	510310	44.7391	3200
58 Benzidine	184	9.225	9.214	(1.171)	504	0.29528	21(aR)
57 Pyrene	202	9.267	9.267	(0.886)	491595	53.1931	3800
\$ 78 Terphenyl-d14	244	9.449	9.449	(0.904)	267332	43.4852	3100
59 Butylbenzylphthalate	149	9.949	9.949	(0.952)	197850	55.6047	4000
60 3,3'-Dichlorobenzidine	252	10.443	10.443	(0.999)	73080	45.2921	3200
61 Benzo(a)anthracene	228	10.443	10.449	(0.999)	299949	50.3796	3600
* 81 Chrysene-d12	240	10.455	10.461	(1.000)	195692	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.549	10.549	(1.009)	256927	55.2931	4000
62 Chrysene	228	10.484	10.484	(1.003)	302147	53.1280	3800
64 Di-n-octylphthalate	149	11.272	11.272	(0.933)	368716	45.8545	3300
65 Benzo(b)fluoranthene	252	11.637	11.637	(0.963)	230211	44.4549	3200
66 Benzo(k)fluoranthene	252	11.666	11.666	(0.965)	264447	44.7028	3200
67 Benzo(a)pyrene	252	12.014	12.013	(0.994)	196791	48.1410	3400(R)
* 84 Perylene-d12	264	12.084	12.084	(1.000)	152265	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.384	13.384	(1.108)	162202	47.8426	3400
69 Dibenz(a,h)anthracene	278	13.419	13.419	(1.110)	180736	50.4553	3600
70 Benzo(g,h,i)perylene	276	13.702	13.702	(1.134)	182903	57.1090	4100(R)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Operator: BNAMS 4

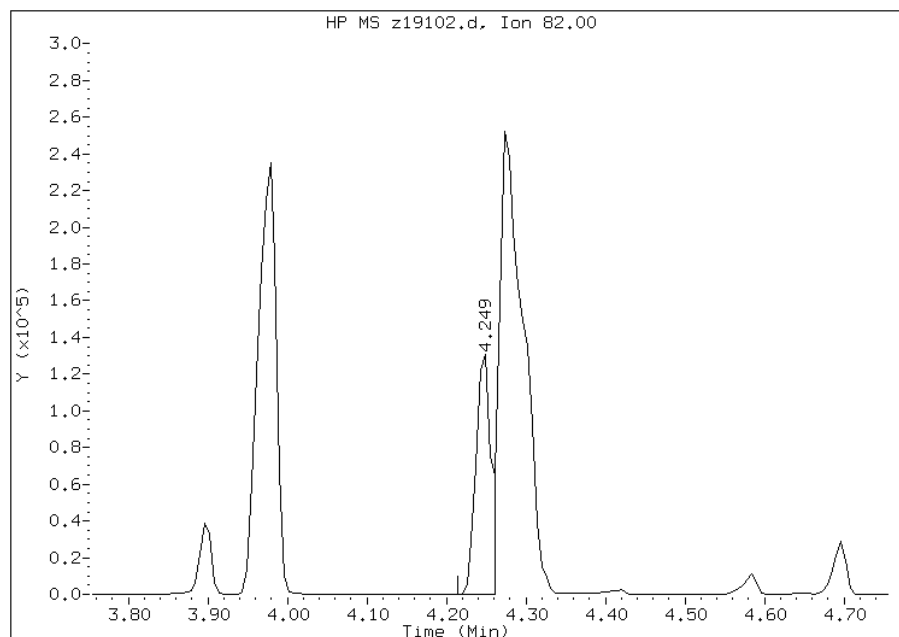


Manual Integration Report

Data File: z19102.d
Inj. Date and Time: 27-JUN-2012 14:49
Instrument ID: BNAMS11.i
Client ID: F-12
Compound: 28 Isophorone
CAS #: 78-59-1
Report Date: 06/29/2012

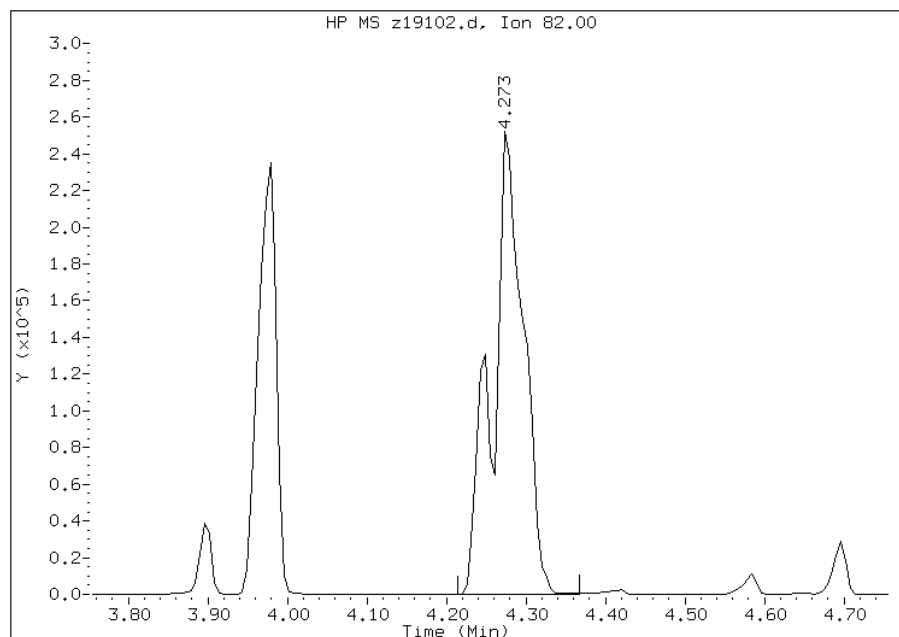
Processing Integration Results

RT: 4.25
Response: 175388
Amount: 11
Conc: 818



Manual Integration Results

RT: 4.27
Response: 690999
Amount: 45
Conc: 3222



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 460-41556-A-10-A MS DL

Matrix: Solid Lab File ID: u77757.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3541 Date Extracted: 06/22/2012 08:58

Sample wt/vol: 15.03(g) Date Analyzed: 06/26/2012 10:51

Con. Extract Vol.: 1(mL) Dilution Factor: 100

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 22.5 GPC Cleanup: (Y/N) N

Analysis Batch No.: 117507 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	5700	U	43000	5700
95-57-8	2-Chlorophenol	5600	U	43000	5600
95-48-7	2-Methylphenol	7300	U	43000	7300
106-44-5	4-Methylphenol	8400	U	43000	8400
100-52-7	Benzaldehyde	5000	U	43000	5000
98-86-2	Acetophenone	6500	U	43000	6500
111-44-4	Bis(2-chloroethyl) ether	580	U	4300	580
108-60-1	2,2'-oxybis[1-chloropropane]	4700	U	43000	4700
621-64-7	N-Nitrosodi-n-propylamine	710	U	4300	710
98-95-3	Nitrobenzene	610	U	4300	610
67-72-1	Hexachloroethane	470	U	4300	470
78-59-1	Isophorone	5200	U	43000	5200
88-75-5	2-Nitrophenol	4800	U	43000	4800
105-67-9	2,4-Dimethylphenol	11000	U	43000	11000
120-83-2	2,4-Dichlorophenol	6200	U	43000	6200
111-91-1	Bis(2-chloroethoxy)methane	5500	U	43000	5500
91-20-3	Naphthalene	4900	U	43000	4900
106-47-8	4-Chloroaniline	11000	U	43000	11000
87-68-3	Hexachlorobutadiene	1000	U	8600	1000
105-60-2	Caprolactam	9800	U	43000	9800
59-50-7	4-Chloro-3-methylphenol	6400	U	43000	6400
91-57-6	2-Methylnaphthalene	5500	U	43000	5500
118-74-1	Hexachlorobenzene	580	U	4300	580
77-47-4	Hexachlorocyclopentadiene	5000	U	43000	5000
88-06-2	2,4,6-Trichlorophenol	5000	U	43000	5000
95-95-4	2,4,5-Trichlorophenol	5500	U	43000	5500
92-52-4	Diphenyl	5700	U	43000	5700
91-58-7	2-Chloronaphthalene	4800	U	43000	4800
88-74-4	2-Nitroaniline	18000	U	86000	18000
606-20-2	2,6-Dinitrotoluene	1300	U	8600	1300
131-11-3	Dimethyl phthalate	5100	U	43000	5100
208-96-8	Acenaphthylene	5000	U	43000	5000
99-09-2	3-Nitroaniline	15000	U	86000	15000
83-32-9	Acenaphthene	6200	U	43000	6200

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 460-41556-A-10-A MS DL

Matrix: Solid Lab File ID: u77757.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3541 Date Extracted: 06/22/2012 08:58

Sample wt/vol: 15.03(g) Date Analyzed: 06/26/2012 10:51

Con. Extract Vol.: 1(mL) Dilution Factor: 100

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 22.5 GPC Cleanup: (Y/N) N

Analysis Batch No.: 117507 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	27000	U	130000	27000
51-28-5	2,4-Dinitrophenol	24000	U	130000	24000
132-64-9	Dibenzofuran	5000	U	43000	5000
84-66-2	Diethyl phthalate	5100	U	43000	5100
86-73-7	Fluorene	5500	U	43000	5500
206-44-0	Fluoranthene	5700	U	43000	5700
84-74-2	Di-n-butyl phthalate	5300	U	43000	5300
121-14-2	2,4-Dinitrotoluene	1400	U	8600	1400
7005-72-3	4-Chlorophenyl phenyl ether	5000	U	43000	5000
100-01-6	4-Nitroaniline	13000	U	86000	13000
534-52-1	4,6-Dinitro-2-methylphenol	12000	U	130000	12000
101-55-3	4-Bromophenyl phenyl ether	4200	U	43000	4200
1912-24-9	Atrazine	6600	U	43000	6600
120-12-7	Anthracene	5200	U	43000	5200
86-74-8	Carbazole	5000	U	43000	5000
85-01-8	Phenanthrene	5400	U	43000	5400
87-86-5	Pentachlorophenol	13000	U	130000	13000
129-00-0	Pyrene	3600	U	43000	3600
218-01-9	Chrysene	5000	U	43000	5000
207-08-9	Benzo[k]fluoranthene	320	U	4300	320
191-24-2	Benzo[g,h,i]perylene	3200	U	43000	3200
205-99-2	Benzo[b]fluoranthene	270	U	4300	270
50-32-8	Benzo[a]pyrene	300	U	4300	300
56-55-3	Benzo[a]anthracene	300	U	4300	300
86-30-6	N-Nitrosodiphenylamine	4200	U	43000	4200
85-68-7	Butyl benzyl phthalate	3900	U	43000	3900
117-81-7	Bis(2-ethylhexyl) phthalate	555000		43000	14000
117-84-0	Di-n-octyl phthalate	23800	J	43000	2700
193-39-5	Indeno[1,2,3-cd]pyrene	790	U	4300	790
53-70-3	Dibenz(a,h)anthracene	540	U	4300	540
91-94-1	3,3'-Dichlorobenzidine	15000	U	86000	15000
95-94-3	1,2,4,5-Tetrachlorobenzene	5700	U	43000	5700
58-90-2	2,3,4,6-Tetrachlorophenol	5500	U	43000	5500
123-91-1	1,4-Dioxane	3100	U	43000	3100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: 460-41556-A-10-A MS DL
Matrix: Solid Lab File ID: u77757.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3541 Date Extracted: 06/22/2012 08:58
Sample wt/vol: 15.03(g) Date Analyzed: 06/26/2012 10:51
Con. Extract Vol.: 1(mL) Dilution Factor: 100
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 22.5 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117507 Units: ug/Kg

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

Data File: /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77757.d
 Report Date: 26-Jun-2012 12:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77757.d
 Lab Smp Id: 460-41556-A-10-A MS Client Smp ID: CD_GF_39-AX-AY-0
 Inj Date : 26-JUN-2012 10:51
 Operator : BNAMS 4 Inst ID: BNAMS4.i
 Smp Info : 460-41556-A-10-A MS
 Misc Info : 460-41556-A-10-A MS
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/8270C_11.m
 Meth Date : 26-Jun-2012 08:39 croccom Quant Type: ISTD
 Cal Date : 20-JUN-2012 17:43 Cal File: u77571.d
 Als bottle: 8 QC Sample: MS
 Dil Factor: 100.00000
 Integrator: HP RTE Compound Sublist: all.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	100.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.03000	Weight of sample extracted (g)
M	22.54733	% Moisture

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/ml)	(ug/Kg)
* 79 1,4-Dichlorobenzene-d4	152	3.687	3.692	(1.000)	102398	40.0000		
* 80 Naphthalene-d8	136	4.986	4.995	(1.000)	396049	40.0000		
* 82 Acenaphthene-d10	164	6.747	6.756	(1.000)	271633	40.0000		
* 83 Phenanthrene-d10	188	8.206	8.214	(1.000)	416055	40.0000		
* 81 Chrysene-d12	240	10.839	10.850	(1.000)	317699	40.0000		
63 bis(2-Ethylhexyl)phthalate	149	10.899	10.902	(1.006)	490770	64.6642		560000(R)
64 Di-n-octylphthalate	149	11.666	11.673	(0.926)	38413	2.77336		24000(aR)
* 84 Perylene-d12	264	12.591	12.591	(1.000)	254011	40.0000		

QC Flag Legend

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

Data File: /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77757.d
Report Date: 26-Jun-2012 12:27

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: u77757.d

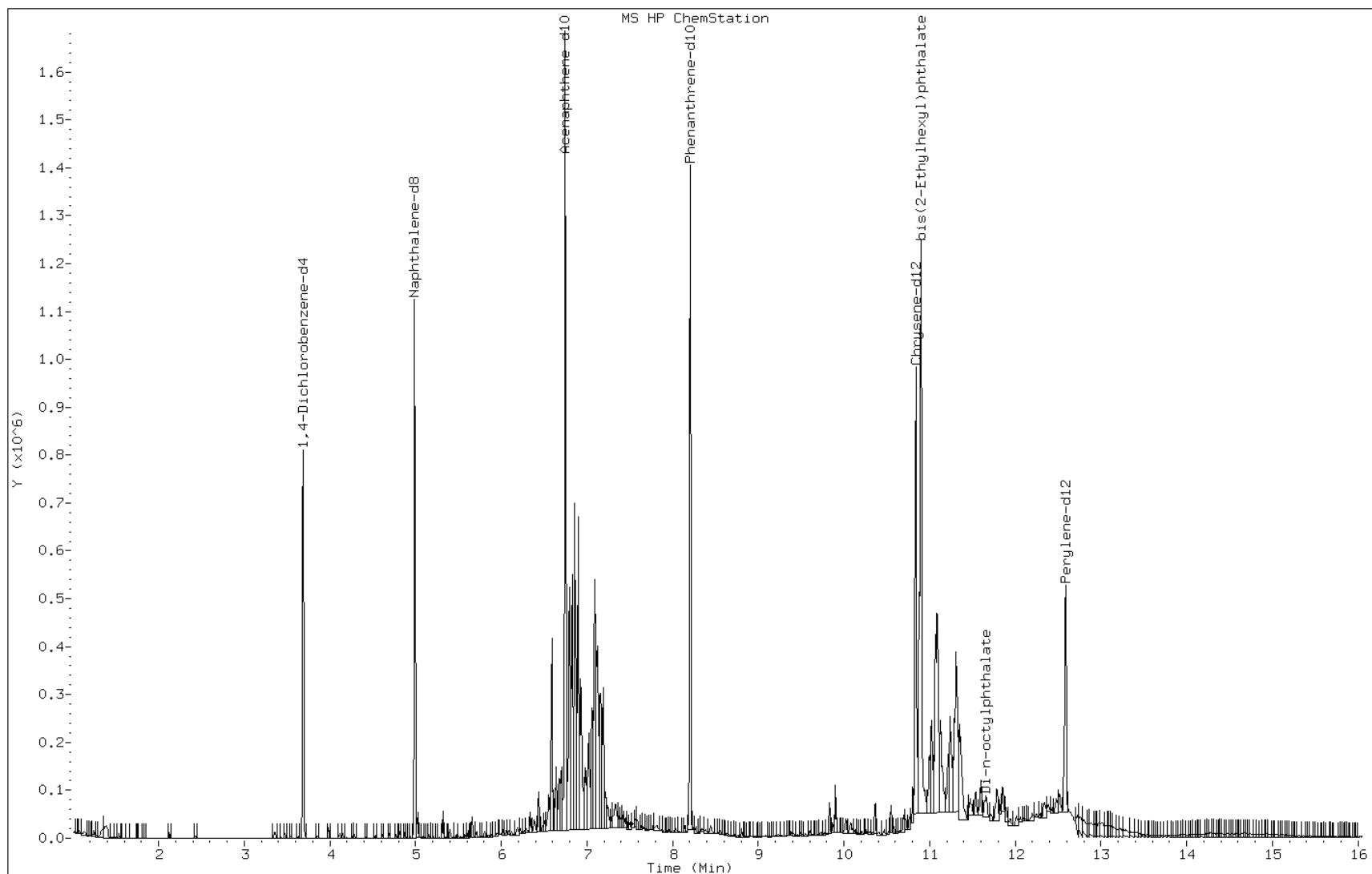
Date: 26-JUN-2012 10:51

Client ID: CD_GF_39-AX-AY-0

Instrument: BNAMS4.i

Sample Info: 460-41556-A-10-A MS

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-12 MSD</u>	Lab Sample ID: <u>460-41546-21 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z19103.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 15:10</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:49</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>06/27/2012 15:13</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117977</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	6050		360	48
95-57-8	2-Chlorophenol	6480		360	47
95-48-7	2-Methylphenol	6610		360	61
106-44-5	4-Methylphenol	6530		360	70
100-52-7	Benzaldehyde	1630		360	42
98-86-2	Acetophenone	3180		360	55
111-44-4	Bis(2-chloroethyl) ether	3090		36	4.9
108-60-1	2,2'-oxybis[1-chloropropane]	2780		360	39
621-64-7	N-Nitrosodi-n-propylamine	3490		36	5.9
98-95-3	Nitrobenzene	3250		36	5.1
67-72-1	Hexachloroethane	2980		36	4.0
78-59-1	Isophorone	3250		360	43
88-75-5	2-Nitrophenol	6740		360	40
105-67-9	2,4-Dimethylphenol	6660		360	88
120-83-2	2,4-Dichlorophenol	6360		360	52
111-91-1	Bis(2-chloroethoxy) methane	3460		360	46
91-20-3	Naphthalene	3310		360	41
106-47-8	4-Chloroaniline	2190		360	94
87-68-3	Hexachlorobutadiene	3160		72	8.7
105-60-2	Caprolactam	3190		360	82
59-50-7	4-Chloro-3-methylphenol	6850		360	54
91-57-6	2-Methylnaphthalene	3310		360	46
118-74-1	Hexachlorobenzene	3570		36	4.9
77-47-4	Hexachlorocyclopentadiene	2330		360	42
88-06-2	2,4,6-Trichlorophenol	6640		360	42
95-95-4	2,4,5-Trichlorophenol	6480		360	46
92-52-4	Diphenyl	3560		360	48
91-58-7	2-Chloronaphthalene	3440		360	40
88-74-4	2-Nitroaniline	3080		720	150
606-20-2	2,6-Dinitrotoluene	3540		72	11
131-11-3	Dimethyl phthalate	3540		360	42
208-96-8	Acenaphthylene	3360		360	42
99-09-2	3-Nitroaniline	2700		720	130
83-32-9	Acenaphthene	3480		360	52

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-12 MSD</u>	Lab Sample ID: <u>460-41546-21 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z19103.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>06/20/2012 15:10</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:49</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>06/27/2012 15:13</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>7.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117977</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	5690		1100	230
51-28-5	2,4-Dinitrophenol	499	J	1100	200
132-64-9	Dibenzofuran	3330		360	42
84-66-2	Diethyl phthalate	3400		360	42
86-73-7	Fluorene	3390		360	46
206-44-0	Fluoranthene	3260		360	47
84-74-2	Di-n-butyl phthalate	3490		360	44
121-14-2	2,4-Dinitrotoluene	3360		72	12
7005-72-3	4-Chlorophenyl phenyl ether	3420		360	42
100-01-6	4-Nitroaniline	2960		720	110
534-52-1	4,6-Dinitro-2-methylphenol	1490		1100	97
101-55-3	4-Bromophenyl phenyl ether	3620		360	35
1912-24-9	Atrazine	2620		360	55
120-12-7	Anthracene	3430		360	43
86-74-8	Carbazole	3400		360	42
85-01-8	Phenanthrene	3560		360	45
87-86-5	Pentachlorophenol	3690		1100	110
129-00-0	Pyrene	3660		360	30
218-01-9	Chrysene	3470		360	42
207-08-9	Benzo[k]fluoranthene	3140		36	2.7
191-24-2	Benzo[g,h,i]perylene	3970		360	26
205-99-2	Benzo[b]fluoranthene	3130		36	2.3
50-32-8	Benzo[a]pyrene	3420		36	2.5
56-55-3	Benzo[a]anthracene	3550		36	2.5
86-30-6	N-Nitrosodiphenylamine	3850		360	35
85-68-7	Butyl benzyl phthalate	3830		360	33
117-81-7	Bis(2-ethylhexyl) phthalate	3840		360	120
117-84-0	Di-n-octyl phthalate	3290		360	23
193-39-5	Indeno[1,2,3-cd]pyrene	3300		36	6.6
53-70-3	Dibenz(a,h)anthracene	3590		36	4.5
91-94-1	3,3'-Dichlorobenzidine	3000		720	120
95-94-3	1,2,4,5-Tetrachlorobenzene	3210		360	48
58-90-2	2,3,4,6-Tetrachlorophenol	2710		360	46
123-91-1	1,4-Dioxane	1410		360	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-12 MSD Lab Sample ID: 460-41546-21 MSD
Matrix: Solid Lab File ID: z19103.d
Analysis Method: 8270C Date Collected: 06/20/2012 15:10
Extract. Method: 3541 Date Extracted: 06/22/2012 08:49
Sample wt/vol: 15.02(g) Date Analyzed: 06/27/2012 15:13
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 7.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117977 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	80		38-105
4165-62-2	Phenol-d5	77		41-118
1718-51-0	Terphenyl-d14	86		16-151
118-79-6	2,4,6-Tribromophenol	69		10-120
367-12-4	2-Fluorophenol	74		37-125
321-60-8	2-Fluorobiphenyl	82		40-109

Data File: /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19103.d
 Report Date: 28-Jun-2012 09:26

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19103.d
 Lab Smp Id: 460-41546-D-21-BMSD Client Smp ID: F-12
 Inj Date : 27-JUN-2012 15:13
 Operator : BNAMS 4 Inst ID: BNAMS11.i
 Smp Info : 460-41546-D-21-B MSD
 Misc Info : 460-41546-D-21-B MSD
 Comment :
 Method : /chem/BNAMS11.i/8270/06-24-12/27jun12.b/8270C_11.m
 Meth Date : 27-Jun-2012 09:29 czhao Quant Type: ISTD
 Cal Date : 25-JUN-2012 01:50 Cal File: z19018.d
 Als bottle: 17 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	7.27969	% 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	1.085	0.979	(0.320)	77384	19.6430	1400
19 N-Nitrosodimethylamine	74	1.256	1.173	(0.370)	226229	41.5704	3000(H)
71 Pyridine	79	1.273	1.191	(0.375)	281917	28.9580	2100
\$ 16 2-Fluorophenol (SUR)	112	2.214	2.167	(0.653)	661327	73.9106	5300
110 Benzaldehyde	77	2.950	2.938	(0.870)	85001	22.7203	1600
\$ 17 Phenol-d5 (SUR)	99	3.091	3.079	(0.912)	815902	77.4115	5600
1 Phenol	94	3.108	3.091	(0.917)	1016988	84.3567	6000
73 Aniline	93	3.067	3.061	(0.905)	355413	27.9594	2000
20 bis(2-Chloroethyl)ether	93	3.155	3.149	(0.931)	432223	43.0543	3100
2 2-Chlorophenol	128	3.191	3.185	(0.941)	902222	90.2823	6500
113 n-decane	43	3.255	3.261	(0.960)	294340	27.7989	2000
21 1,3-Dichlorobenzene	146	3.332	3.332	(0.983)	433054	40.5203	2900
* 79 1,4-Dichlorobenzene-d4	152	3.391	3.390	(1.000)	270225	40.0000	

Data File: /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19103.d
 Report Date: 28-Jun-2012 09:26

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.408	3.408	(1.005)	445065	41.1717	3000
74 Benzyl Alcohol	108	3.573	3.567	(1.054)	273389	50.6645	3600
23 1,2-Dichlorobenzene	146	3.561	3.561	(1.050)	424424	42.6057	3000
3 2-Methylphenol	108	3.702	3.708	(1.092)	741718	92.0815	6600
24 bis (2-chloroisopropyl) ether	45	3.697	3.702	(1.090)	490897	38.7851	2800
4 4-Methylphenol	108	3.885	3.879	(1.146)	717678	90.9769	6500
123 3 & 4 Methylphenol	108	3.885	3.879	(1.146)	716547	90.7944	6500
104 Acetophenone	105	3.838	3.838	(1.132)	531950	44.3284	3200
25 N-Nitroso-di-n-propylamine	70	3.897	3.855	(1.149)	293142	48.6780	3500
26 Hexachloroethane	117	3.897	3.902	(1.149)	169170	41.4845	3000
\$ 76 Nitrobenzene-d5 (SUR)	82	3.979	3.979	(0.847)	375223	39.9714	2900
27 Nitrobenzene	77	4.002	4.002	(0.852)	547660	45.2729	3200
107 N,N-Dimethylaniline	120	4.002	4.008	(1.180)	571784	42.4583	3000
28 Isophorone	82	4.273	4.255	(0.910)	682792	45.2494	3200(M)
5 2-Nitrophenol	139	4.326	4.320	(0.921)	476790	93.9207	6700
6 2,4-Dimethylphenol	122	4.420	4.414	(0.941)	718276	92.7538	6700
29 bis(2-Chloroethoxy)methane	93	4.496	4.496	(0.957)	463888	48.2025	3500
15 Benzoic Acid	122	4.544	4.620	(0.967)	27281	8.01558	580(RH)
7 2,4-Dichlorophenol	162	4.585	4.585	(0.976)	603195	88.6220	6400
30 1,2,4-Trichlorobenzene	180	4.649	4.649	(0.990)	348568	44.9352	3200
* 80 Naphthalene-d8	136	4.696	4.696	(1.000)	1013230	40.0000	
31 Naphthalene	128	4.720	4.720	(1.005)	1227350	46.1010	3300
32 4-Chloroaniline	127	4.796	4.796	(1.021)	297050	30.4632	2200
33 Hexachlorobutadiene	225	4.861	4.861	(1.035)	186998	44.0101	3200
111 Caprolactam	113	5.232	5.220	(1.114)	84062	44.5040	3200
8 4-Chloro-3-methylphenol	107	5.338	5.337	(1.137)	611663	95.4284	6800
34 2-Methylnaphthalene	142	5.420	5.420	(1.154)	747935	46.1654	3300
120 1-Methylnaphthalene	142	5.514	5.514	(1.174)	708364	42.6153	3000
35 Hexachlorocyclopentadiene	237	5.585	5.590	(0.867)	123111	32.5024	2300
129 1,2,4,5-Tetrachlorobenzene	216	5.591	5.596	(0.868)	288561	44.7149	3200
9 2,4,6-Trichlorophenol	196	5.726	5.726	(0.889)	401075	92.4676	6600
10 2,4,5-Trichlorophenol	196	5.767	5.767	(0.895)	384484	90.2817	6500
\$ 77 2-Fluorobiphenyl (SUR)	172	5.802	5.802	(0.900)	660574	41.2257	3000
102 Diphenyl	154	5.896	5.896	(0.915)	850866	49.5629	3600
36 2-Chloronaphthalene	162	5.902	5.902	(0.916)	620809	47.9336	3400
103 Diphenyl Ether	170	6.002	6.002	(0.932)	461808	48.3502	3500
37 2-Nitroaniline	65	6.020	6.026	(0.934)	162845	42.8911	3100
38 Dimethylphthalate	163	6.226	6.226	(0.966)	644770	49.2971	3500
40 2,6-Dinitrotoluene	165	6.273	6.279	(0.974)	149350	49.2570	3500
39 Acenaphthylene	152	6.296	6.302	(0.977)	979931	46.8607	3400
41 3-Nitroaniline	138	6.432	6.431	(0.998)	119901	37.6165	2700
* 82 Acenaphthene-d10	164	6.443	6.443	(1.000)	455943	40.0000	
42 Acenaphthene	154	6.473	6.479	(1.005)	599316	48.4643	3500
11 2,4-Dinitrophenol	184	6.537	6.543	(1.015)	9166	6.95415	500(aR)
12 4-Nitrophenol	65	6.649	6.643	(1.032)	164168	79.3306	5700
44 2,4-Dinitrotoluene	165	6.667	6.667	(1.035)	174585	46.8095	3400
43 Dibenzofuran	168	6.643	6.649	(1.031)	801346	46.4239	3300

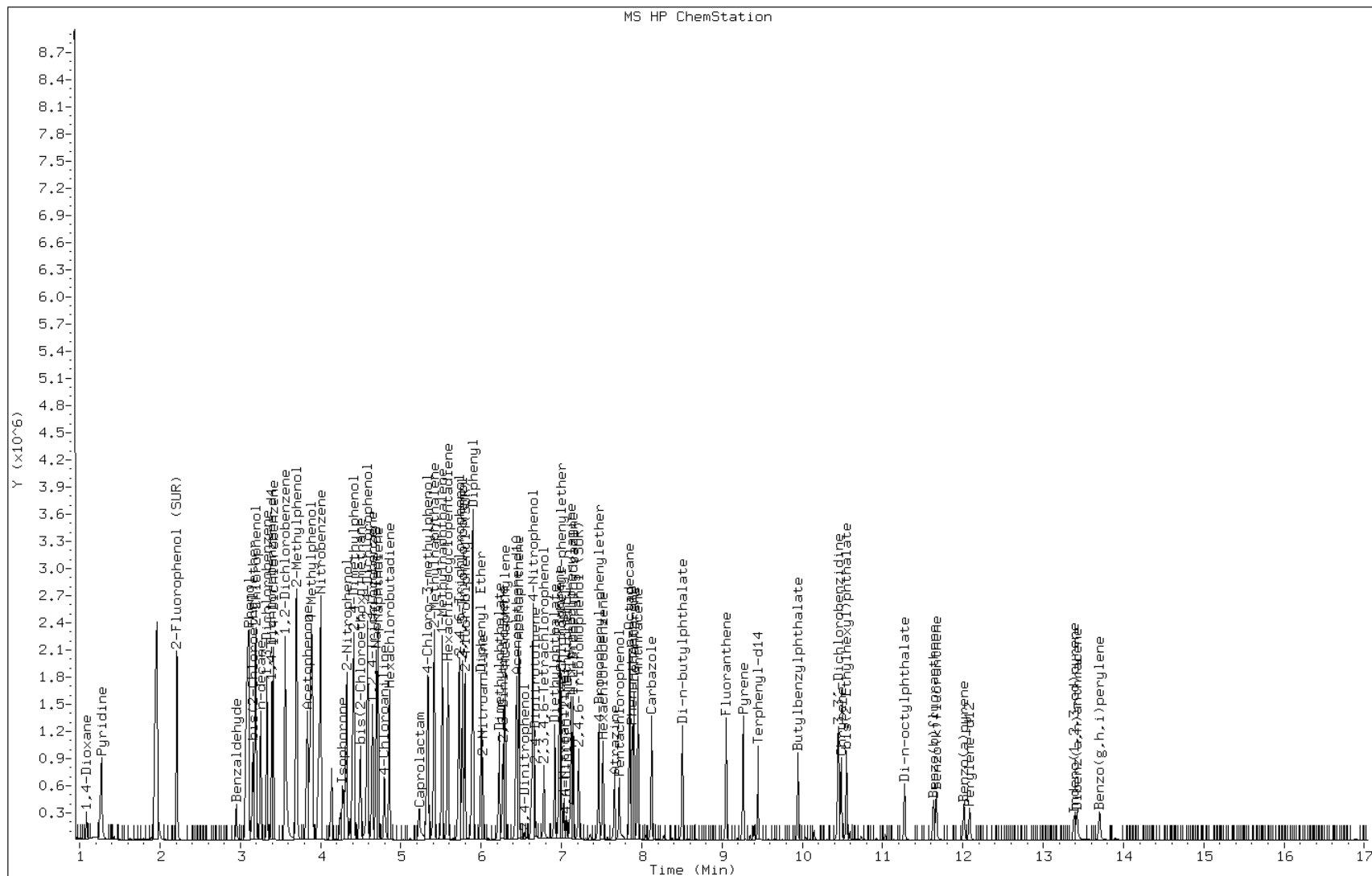
Data File: /chem/BNAMS11.i/8270/06-24-12/27jun12.b/z19103.d
Report Date: 28-Jun-2012 09:26

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
130 2,3,4,6-Tetrachlorophenol	232		6.785	6.784	(1.053)		102760	37.7832	2700
45 Diethylphthalate	149		6.920	6.920	(1.074)		593980	47.3657	3400
46 4-Chlorophenyl-phenylether	204		6.996	6.996	(1.086)		306092	47.6323	3400
47 Fluorene	166		6.979	6.978	(1.083)		647937	47.2469	3400
48 4-Nitroaniline	138		7.032	7.031	(1.091)		105397	41.2993	3000
13 4,6-Dinitro-2-methylphenol	198		7.061	7.067	(0.896)		35722	20.7958	1500
49 N-Nitrosodiphenylamine	169		7.120	7.120	(0.904)		440215	53.5853	3800(R)
75 1,2-Diphenylhydrazine	77		7.149	7.149	(0.907)		611995	43.5500	3100
\$ 18 2,4,6-Tribromophenol (SUR)	330		7.220	7.220	(1.120)		120053	69.4499	5000
50 4-Bromophenyl-phenylether	248		7.467	7.467	(0.948)		155613	50.3818	3600
51 Hexachlorobenzene	284		7.520	7.520	(0.954)		160430	49.7158	3600
112 Atrazine	200		7.667	7.667	(0.973)		95348	36.4413	2600
14 Pentachlorophenol	266		7.720	7.720	(0.980)		89191	51.4003	3700
115 n-Octadecane	57		7.849	7.855	(0.996)		425533	55.9391	4000
* 83 Phenanthrene-d10	188		7.879	7.884	(1.000)		535896	40.0000	
52 Phenanthrene	178		7.908	7.908	(1.004)		725691	49.5875	3600
53 Anthracene	178		7.955	7.955	(1.010)		705201	47.8117	3400
54 Carbazole	167		8.126	8.125	(1.031)		565062	47.3339	3400
55 Di-n-butylphthalate	149		8.508	8.508	(1.080)		742243	48.6171	3500
56 Fluoranthene	202		9.055	9.055	(1.149)		557922	45.4476	3300
58 Benzidine	184		9.220	9.214	(1.170)		636	0.34621	25(aR)
57 Pyrene	202		9.267	9.267	(0.886)		535478	51.0000	3700
\$ 78 Terphenyl-d14	244		9.449	9.449	(0.904)		299385	42.8648	3100
59 Butylbenzylphthalate	149		9.949	9.949	(0.952)		215545	53.3205	3800
60 3,3'-Dichlorobenzidine	252		10.443	10.443	(0.999)		76503	41.7333	3000
61 Benzo(a)anthracene	228		10.449	10.449	(0.999)		334177	49.4043	3500
* 81 Chrysene-d12	240		10.455	10.461	(1.000)		222327	40.0000	
63 bis(2-Ethylhexyl)phthalate	149		10.549	10.549	(1.009)		282137	53.4444	3800
62 Chrysene	228		10.484	10.484	(1.003)		312706	48.3974	3500
64 Di-n-octylphthalate	149		11.273	11.272	(0.933)		392564	45.8097	3300
65 Benzo(b)fluoranthene	252		11.637	11.637	(0.963)		240702	43.6098	3100
66 Benzo(k)fluoranthene	252		11.667	11.666	(0.965)		275614	43.7128	3100
67 Benzo(a)pyrene	252		12.014	12.013	(0.994)		207703	47.6721	3400(R)
* 84 Perylene-d12	264		12.084	12.084	(1.000)		162289	40.0000	
68 Indeno(1,2,3-cd)pyrene	276		13.390	13.384	(1.108)		166104	45.9674	3300
69 Dibenz(a,h)anthracene	278		13.425	13.419	(1.111)		190845	49.9866	3600
70 Benzo(g,h,i)perylene	276		13.702	13.702	(1.134)		188905	55.3399	4000(R)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Operator: BNAMS 4

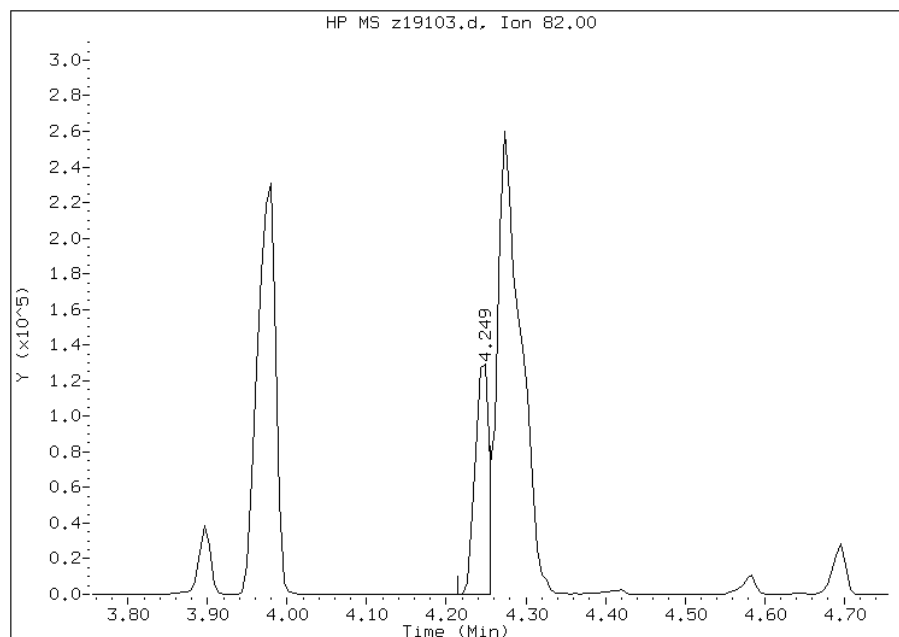


Manual Integration Report

Data File: z19103.d
Inj. Date and Time: 27-JUN-2012 15:13
Instrument ID: BNAMS11.i
Client ID: F-12
Compound: 28 Isophorone
CAS #: 78-59-1
Report Date: 06/29/2012

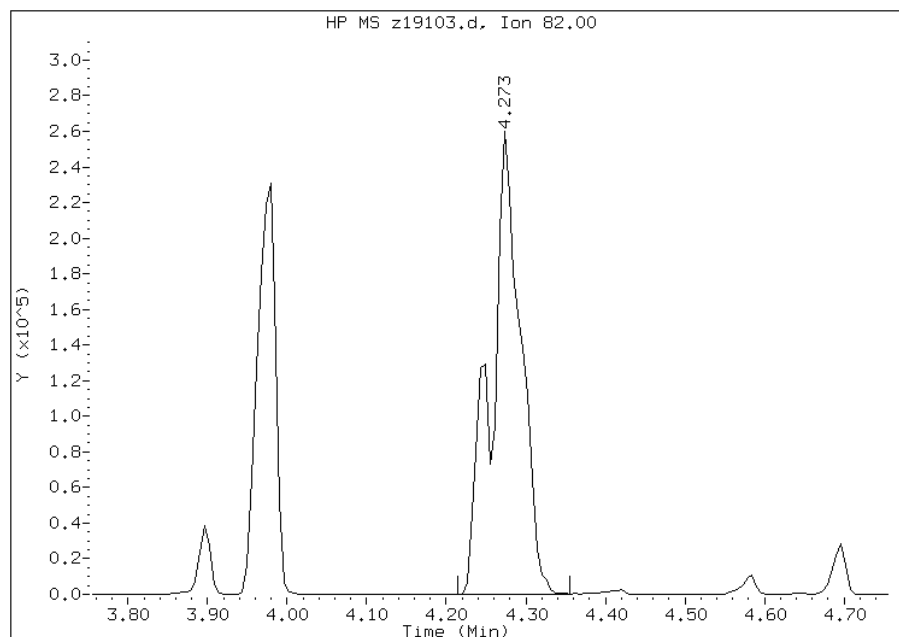
Processing Integration Results

RT: 4.25
Response: 159002
Amount: 11
Conc: 757



Manual Integration Results

RT: 4.27
Response: 682792
Amount: 45
Conc: 3249



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-41556-A-10-B MSD DL</u>
Matrix: <u>Solid</u>	Lab File ID: <u>u77758.d</u>
Analysis Method: <u>8270C</u>	Date Collected: _____
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:58</u>
Sample wt/vol: <u>15.01(g)</u>	Date Analyzed: <u>06/26/2012 11:11</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>100</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>22.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117507</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	5700	U	42000	5700
95-57-8	2-Chlorophenol	5600	U	42000	5600
95-48-7	2-Methylphenol	7300	U	42000	7300
106-44-5	4-Methylphenol	8400	U	42000	8400
100-52-7	Benzaldehyde	5000	U	42000	5000
98-86-2	Acetophenone	6500	U	42000	6500
111-44-4	Bis(2-chloroethyl) ether	580	U	4200	580
108-60-1	2,2'-oxybis[1-chloropropane]	4700	U	42000	4700
621-64-7	N-Nitrosodi-n-propylamine	710	U	4200	710
98-95-3	Nitrobenzene	600	U	4200	600
67-72-1	Hexachloroethane	470	U	4200	470
78-59-1	Isophorone	5200	U	42000	5200
88-75-5	2-Nitrophenol	4700	U	42000	4700
105-67-9	2,4-Dimethylphenol	11000	U	42000	11000
120-83-2	2,4-Dichlorophenol	6200	U	42000	6200
111-91-1	Bis(2-chloroethoxy)methane	5500	U	42000	5500
91-20-3	Naphthalene	4900	U	42000	4900
106-47-8	4-Chloroaniline	11000	U	42000	11000
87-68-3	Hexachlorobutadiene	1000	U	8600	1000
105-60-2	Caprolactam	9800	U	42000	9800
59-50-7	4-Chloro-3-methylphenol	6400	U	42000	6400
91-57-6	2-Methylnaphthalene	5500	U	42000	5500
118-74-1	Hexachlorobenzene	580	U	4200	580
77-47-4	Hexachlorocyclopentadiene	5000	U	42000	5000
88-06-2	2,4,6-Trichlorophenol	5000	U	42000	5000
95-95-4	2,4,5-Trichlorophenol	5500	U	42000	5500
92-52-4	Diphenyl	5700	U	42000	5700
91-58-7	2-Chloronaphthalene	4700	U	42000	4700
88-74-4	2-Nitroaniline	18000	U	86000	18000
606-20-2	2,6-Dinitrotoluene	1300	U	8600	1300
131-11-3	Dimethyl phthalate	5000	U	42000	5000
208-96-8	Acenaphthylene	5000	U	42000	5000
99-09-2	3-Nitroaniline	15000	U	86000	15000
83-32-9	Acenaphthene	6200	U	42000	6200

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-41556-A-10-B MSD DL</u>
Matrix: <u>Solid</u>	Lab File ID: <u>u77758.d</u>
Analysis Method: <u>8270C</u>	Date Collected: _____
Extract. Method: <u>3541</u>	Date Extracted: <u>06/22/2012 08:58</u>
Sample wt/vol: <u>15.01(g)</u>	Date Analyzed: <u>06/26/2012 11:11</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>100</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>22.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117507</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	27000	U	130000	27000
51-28-5	2,4-Dinitrophenol	24000	U	130000	24000
132-64-9	Dibenzofuran	5000	U	42000	5000
84-66-2	Diethyl phthalate	5100	U	42000	5100
86-73-7	Fluorene	5400	U	42000	5400
206-44-0	Fluoranthene	5700	U	42000	5700
84-74-2	Di-n-butyl phthalate	5300	U	42000	5300
121-14-2	2,4-Dinitrotoluene	1400	U	8600	1400
7005-72-3	4-Chlorophenyl phenyl ether	5000	U	42000	5000
100-01-6	4-Nitroaniline	13000	U	86000	13000
534-52-1	4,6-Dinitro-2-methylphenol	12000	U	130000	12000
101-55-3	4-Bromophenyl phenyl ether	4200	U	42000	4200
1912-24-9	Atrazine	6600	U	42000	6600
120-12-7	Anthracene	5200	U	42000	5200
86-74-8	Carbazole	5000	U	42000	5000
85-01-8	Phenanthrene	5400	U	42000	5400
87-86-5	Pentachlorophenol	13000	U	130000	13000
129-00-0	Pyrene	3600	U	42000	3600
218-01-9	Chrysene	5000	U	42000	5000
207-08-9	Benzo[k]fluoranthene	320	U	4200	320
191-24-2	Benzo[g,h,i]perylene	3200	U	42000	3200
205-99-2	Benzo[b]fluoranthene	270	U	4200	270
50-32-8	Benzo[a]pyrene	300	U	4200	300
56-55-3	Benzo[a]anthracene	300	U	4200	300
86-30-6	N-Nitrosodiphenylamine	4200	U	42000	4200
85-68-7	Butyl benzyl phthalate	3900	U	42000	3900
117-81-7	Bis(2-ethylhexyl) phthalate	555000		42000	14000
117-84-0	Di-n-octyl phthalate	18300	J	42000	2700
193-39-5	Indeno[1,2,3-cd]pyrene	790	U	4200	790
53-70-3	Dibenz(a,h)anthracene	540	U	4200	540
91-94-1	3,3'-Dichlorobenzidine	15000	U	86000	15000
95-94-3	1,2,4,5-Tetrachlorobenzene	5700	U	42000	5700
58-90-2	2,3,4,6-Tetrachlorophenol	5500	U	42000	5500
123-91-1	1,4-Dioxane	3100	U	42000	3100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: 460-41556-A-10-B MSD DL
Matrix: Solid Lab File ID: u77758.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3541 Date Extracted: 06/22/2012 08:58
Sample wt/vol: 15.01(g) Date Analyzed: 06/26/2012 11:11
Con. Extract Vol.: 1(mL) Dilution Factor: 100
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 22.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117507 Units: ug/Kg

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

Data File: /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77758.d
 Report Date: 26-Jun-2012 12:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77758.d
 Lab Smp Id: 460-41556-A-10-BMSD
 Inj Date : 26-JUN-2012 11:11
 Operator : BNAMS 4
 Smp Info : 460-41556-A-10-B MSD
 Misc Info :
 Comment :
 Method : /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/8270C_11.m
 Meth Date : 26-Jun-2012 08:39 croccom
 Cal Date : 20-JUN-2012 17:43
 Als bottle: 9
 Dil Factor: 100.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS4.i
 Quant Type: ISTD
 Cal File: u77571.d
 QC Sample: MSD
 Compound Sublist: all.sub

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

Name	Value	Description
DF	100.00000	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	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/ml)	(ug/Kg)
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 79 1,4-Dichlorobenzene-d4		152	3.685	3.692	(1.000)	130185	40.0000	
* 80 Naphthalene-d8		136	4.987	4.995	(1.000)	495279	40.0000	
* 82 Acenaphthene-d10		164	6.746	6.756	(1.000)	316164	40.0000	
* 83 Phenanthrene-d10		188	8.207	8.214	(1.000)	471221	40.0000	
* 81 Chrysene-d12		240	10.839	10.850	(1.000)	314421	40.0000	
63 bis(2-Ethylhexyl)phthalate		149	10.897	10.902	(1.005)	486126	64.7201	430000(R)
64 Di-n-octylphthalate		149	11.666	11.673	(0.927)	30001	2.13205	14000(aR)
* 84 Perylene-d12		264	12.589	12.591	(1.000)	258059	40.0000	

QC Flag Legend

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

Data File: /chem/BNAMS4.i/8270T/06-20-12/26jun12.b/u77758.d
Report Date: 26-Jun-2012 12:28

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: u77758.d

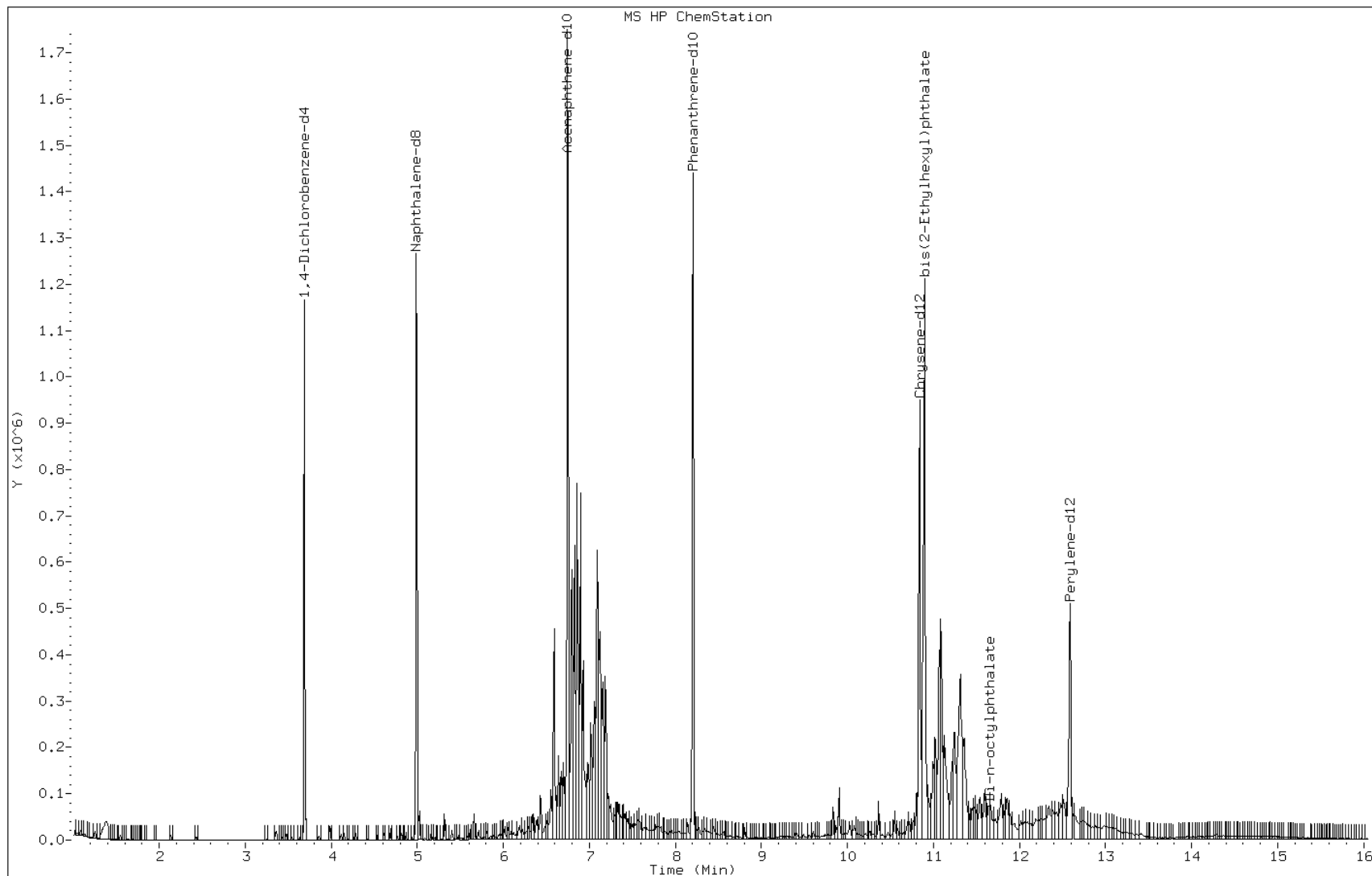
Date: 26-JUN-2012 11:11

Client ID:

Instrument: BNAMS4.i

Sample Info: 460-41556-A-10-B MSD

Operator: BNAMS 4



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: BNAMS11 Start Date: 06/24/2012 23:35Analysis Batch Number: 117458 End Date: 06/25/2012 04:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-117458/1		06/24/2012 23:35	1	z19012.d	Rtx-5MS 0.25 (mm)
ICIS 460-117458/2		06/24/2012 23:52	1	z19013.d	Rtx-5MS 0.25 (mm)
IC 460-117458/3		06/25/2012 00:16	1	z19014.d	Rtx-5MS 0.25 (mm)
IC 460-117458/4		06/25/2012 00:39	1	z19015.d	Rtx-5MS 0.25 (mm)
IC 460-117458/5		06/25/2012 01:03	1	z19016.d	Rtx-5MS 0.25 (mm)
IC 460-117458/6		06/25/2012 01:26	1	z19017.d	Rtx-5MS 0.25 (mm)
IC 460-117458/7		06/25/2012 01:50	1	z19018.d	Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 04:04	1		Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: BNAMS11 Start Date: 06/26/2012 08:16Analysis Batch Number: 117976 End Date: 06/26/2012 15:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-117976/1		06/26/2012 08:16	1	z19058.d	Rtx-5MS 0.25 (mm)
CCVIS 460-117976/2		06/26/2012 08:41	1	z19059.d	Rtx-5MS 0.25 (mm)
MB 460-117106/1-A		06/26/2012 10:02	1	z19062.d	Rtx-5MS 0.25 (mm)
LCS 460-117106/2-A		06/26/2012 10:26	1	z19063.d	Rtx-5MS 0.25 (mm)
460-41546-18	F-9	06/26/2012 10:49	1	z19064.d	Rtx-5MS 0.25 (mm)
460-41546-19	F-10	06/26/2012 11:13	1	z19065.d	Rtx-5MS 0.25 (mm)
460-41546-21	F-12	06/26/2012 11:36	1	z19066.d	Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 12:00	1		Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 12:23	1		Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 12:46	1		Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 13:10	1		Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 13:33	1		Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 14:44	1		Rtx-5MS 0.25 (mm)
460-41546-17	F-8	06/26/2012 15:08	1	z19075.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: BNAMS11 Start Date: 06/27/2012 08:49Analysis Batch Number: 117977 End Date: 06/27/2012 15:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-117977/1		06/27/2012 08:49	1	z19087.d	Rtx-5MS 0.25 (mm)
CCVIS 460-117977/2		06/27/2012 09:04	1	z19088.d	Rtx-5MS 0.25 (mm)
ZZZZZ		06/27/2012 11:41	1		Rtx-5MS 0.25 (mm)
ZZZZZ		06/27/2012 12:05	1		Rtx-5MS 0.25 (mm)
460-41546-21 MS	F-12 MS	06/27/2012 14:49	1	z19102.d	Rtx-5MS 0.25 (mm)
460-41546-21 MSD	F-12 MSD	06/27/2012 15:13	1	z19103.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: BNAMS4 Start Date: 06/20/2012 15:28Analysis Batch Number: 116906 End Date: 06/20/2012 17:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-116906/1		06/20/2012 15:28	1	u77565.d	Rtx-5MS 0.25 (mm)
ICIS 460-116906/2		06/20/2012 15:47	1	u77566.d	Rtx-5MS 0.25 (mm)
IC 460-116906/3		06/20/2012 16:22	1	u77567.d	Rtx-5MS 0.25 (mm)
IC 460-116906/4		06/20/2012 16:42	1	u77568.d	Rtx-5MS 0.25 (mm)
IC 460-116906/5		06/20/2012 17:03	1	u77569.d	Rtx-5MS 0.25 (mm)
IC 460-116906/6		06/20/2012 17:23	1	u77570.d	Rtx-5MS 0.25 (mm)
IC 460-116906/7		06/20/2012 17:43	1	u77571.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: BNAMS4 Start Date: 06/25/2012 12:38Analysis Batch Number: 117489 End Date: 06/25/2012 22:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-117489/1		06/25/2012 12:38	1	u77717.d	Rtx-5MS 0.25 (mm)
CCVIS 460-117489/2		06/25/2012 12:56	1	u77718.d	Rtx-5MS 0.25 (mm)
MB 460-117111/1-A		06/25/2012 13:42	1	u77720.d	Rtx-5MS 0.25 (mm)
460-41546-20	F-11	06/25/2012 14:45	1	u77722.d	Rtx-5MS 0.25 (mm)
460-41546-23	FB-E	06/25/2012 15:06	1	u77723.d	Rtx-5MS 0.25 (mm)
LCS 460-117111/2-A		06/25/2012 15:26	1	u77724.d	Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 18:08	5000		Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 18:29	10		Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 18:49	20		Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 19:09	1000		Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 19:29	100		Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 19:50	500		Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 20:10	20		Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 20:30	50		Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 20:50	500		Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 21:11	1000		Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 21:31	50		Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 21:51	100		Rtx-5MS 0.25 (mm)
460-41546-22	F-13	06/25/2012 22:11	1	u77744.d	Rtx-5MS 0.25 (mm)
ZZZZZ		06/25/2012 22:51	1		Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: BNAMS4 Start Date: 06/26/2012 07:37Analysis Batch Number: 117507 End Date: 06/26/2012 12:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-117507/1		06/26/2012 07:37	1	u77749.d	Rtx-5MS 0.25 (mm)
CCVIS 460-117507/2		06/26/2012 08:05	1	u77750.d	Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 08:50	500		Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 09:10	2000		Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 09:30	5000		Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 09:50	20		Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 10:11	2		Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 10:31	100		Rtx-5MS 0.25 (mm)
460-41556-A-10-A MS DL		06/26/2012 10:51	100	u77757.d	Rtx-5MS 0.25 (mm)
460-41556-A-10-B MSD DL		06/26/2012 11:11	100	u77758.d	Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 11:31	5		Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 11:52	50		Rtx-5MS 0.25 (mm)
ZZZZZ		06/26/2012 12:12	1		Rtx-5MS 0.25 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS4.i

Analytical Batch: /chem/BNAMS4.i/8270T/06-20-12/20jun12.b

Date Generated: 06/21/2012

Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
06/20/12 1528	u77565.d	96	DPFPP-1427854			0	0	1	2.0	all	4642	G P = .768, B = .928
06/20/12 1547	u77566.d	1	ICVIS-1519304			15	1	1	1.0	all	4658	G
06/20/12 1622	u77567.d	2	IC-1519307			15	1	1	1.0	all	4658	G - good except
06/20/12 1642	u77568.d	3	IC-1519305			15	1	1	1.0	all	4658	G - Benzaldehyde
06/20/12 1703	u77569.d	4	IC-1519303			15	1	1	1.0	all	4658	G - Benzidine
06/20/12 1723	u77570.d	5	IC-1519302			15	1	1	1.0	all	4658	G
06/20/12 1743	u77571.d	6	IC-1519301			15	1	1	1.0	all	4658	G
06/20/12 1804	u77572.d	7	ICV	20jun12		15	1	1	1.0	all	4671	G

Signed: W Read and Understood by: [Signature]

Date: 6/21/12

Date: 6-22-12

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i
Analytical Batch: /chem/BNAMS11.i/8270/06-24-12/24jun12.b

Date Generated: 06/25/2012
Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
06/24/12 2335	219012.d	1	DFTPP-1427854	—	—	0	0	1	2.0	all	4412	117458 Leaky pena → 1.011 para → 2.329
06/24/12 2352	219013.d	2	ICIS-1519304	—	—	15	1	1	1.0	all	4418	
06/25/12 0016	219014.d	3	IC-1519307	—	—	15	1	1	1.0	all	4418	
06/25/12 0039	219015.d	4	IC-1519305	—	—	15	1	1	1.0	all	4418	
06/25/12 0103	219016.d	5	IC-1519303	—	—	15	1	1	1.0	all	4418	
06/25/12 0126	219017.d	6	IC-1519302	—	—	15	1	1	1.0	all	4418	
06/25/12 0150	219018.d	7	IC-1519301	—	—	15	1	1	1.0	all	4418	
06/25/12 0309	219019.d	8	icv	24jun12	—	15	1	1	1.0	all	4417	
06/25/12 0341	219020.d	9	MB 460-116953/1-A	460-116953	—	15	1	1	1.0	all-so	—	
06/25/12 0404	219021.d	10	ICS 460-116953/2-A	460-116953	—	15	1	1	1.0	all-so	—	

Signed: Michael Moore Read and Understood by: CS. [Signature]

Date: 6/25/12

Date: 6-26-12

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: ENAMS4.i
Analytical Batch: /chem/ENAMS4.i/8270T/06-20-12/25jun12.b

Date Generated: 06/26/2012
Page 1

Date	Data File	ALS	Sample ID	LPS	EXT DATE	IV	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
06/25/12 1238	u77717.d	96	DFTPP-1427854				0	0	1	2.0 all	4692	117489 S Tail P07-1927 P30-0-674
06/25/12 1256	u77718.d	1	CCVIS-1519304				15	1	1	1.0 all	4698	S 8270
06/25/12 1322	u77719.d	2	LCS 460-117111/2-A	25jun12			15	1	1	1.0 all		SPK R2
06/25/12 1342	u77720.d	3	MB 460-117111/1-A	25jun12			15	1	1	1.0 all		S
06/25/12 1425	u77721.d	4	LCS 460-117111/2-A	25jun12			15	1	1	1.0 all		SPK R2
06/25/12 1445	u77722.d	5	460-41546-D-20-A	460-117111	06/22/12	15.0	1		1	1.0 all		S
06/25/12 1506	u77723.d	6	460-41546-D-23-A	460-117111	06/22/12	15.0	1		1	1.0 all		S
06/25/12 1526	u77724.d	7	LCS 460-117111/2-A	25jun12			15	1	1	1.0 all		S
06/25/12 1546	u77725.d	8	460-41556-A-1-A	460-117111	06/22/12	15.0	1	100	1.0	1.0 all		RR 100X
06/25/12 1607	u77726.d	9	460-41556-A-4-A	460-117111	06/22/12	15.0	1	1000	1.0	1.0 all		RR 2000X
06/25/12 1627	u77727.d	10	460-41556-A-7-A	460-117111	06/22/12	15	1	2000	1.0	1.0 all		RR 5000X
06/25/12 1647	u77728.d	11	460-41556-A-10-C	460-117111	06/22/12	15.0	1	50	1.0	1.0 all		RR 100X
06/25/12 1708	u77729.d	12	460-41556-A-10-A MS	460-117111	06/22/12	15.0	1	50	1.0	1.0 all		
06/25/12 1728	u77730.d	13	460-41556-A-10-BMSD				15	1	50	1.0 all		

Note~ Dilutions prepared as follows:
Dil = Dilution Factor

2x: 300ul sample/ 300ul MeCl₃/ 6ul ISTD
5x: 200ul sample/ 800ul MeCl₃/ 16ul ISTD
10x: 100ul sample/ 900ul MeCl₃/ 18ul ISTD

20x: Prepared 2x from 10x
25x: Prepared 5x from 5x
50x: Prepared 5x from 10x
100x: Prepared 10x from 10x
200x: Prepared 2x from 100x
250x: Prepared 5x from 50x
500x: Prepared 5x from 100x
1000x: Prepared 10x from 100x

07/06/2012

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS4.i

Analytical Batch: /chem/BNAMS4.i/8270T/06-20-12/25jun12.b

Date Generated: 06/26/2012

Page 2

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
06/25/12 1748	u77731.d	14	460-41556-A-13-A	460-117111	06/22/12	15.0	1	10	1.0	all		RR 20x
06/25/12 1808	u77732.d	15	460-41556-A-16-A	460-117111	06/22/12	15.0	1	5000	1.0	all		✓
06/25/12 1829	u77733.d	16	460-41556-A-19-A	460-117111	06/22/12	15.0	1	10	1.0	all		✓
06/25/12 1849	u77734.d	17	460-41556-A-20-A	460-117111	06/22/12	15.0	1	20	1.0	all		✓
06/25/12 1909	u77735.d	18	460-41556-A-23-A	460-117111	06/22/12	15.0	1	1000	1.0	all		✓
06/25/12 1929	u77736.d	19	460-41556-A-26-A	460-117111	06/22/12	15.0	1	100	1.0	all		✓
06/25/12 1950	u77737.d	20	460-41556-A-29-A	460-117111	06/22/12	15.0	1	500	1.0	all		✓
06/25/12 2010	u77738.d	21	460-41556-A-32-A	460-117111	06/22/12	15.0	1	20	1.0	all		✓
06/25/12 2030	u77739.d	22	460-41565-A-1-A	460-117111	06/22/12	15.0	1	50	1.0	all		✓
06/25/12 2050	u77740.d	23	460-41565-A-4-A	460-117111	06/22/12	15.0	1	500	1.0	all		✓
06/25/12 2111	u77741.d	24	460-41565-A-11-A	460-117111	06/22/12	15.0	1	1000	1.0	all		✓
06/25/12 2131	u77742.d	25	460-41565-A-14-A	460-117111	06/22/12	15.0	1	50	1.0	all		✓
06/25/12 2151	u77743.d	26	460-41556-A-33-B	460-117278	06/24/12	15	1	100	1.0	all		✓
06/25/12 2211	u77744.d	27	460-41546-D-22-A	460-117111	06/22/12	15.0	1	1	1.0	all		✓

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS4.i
Analytical Batch: /chem/BNAMS4.i/82707/06-20-12/25jun12.b

Date Generated: 06/26/2012
Page 3

Date	Data File	ALS	Sample ID	LFB	EXT DATE	IV/	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
06/25/12 2231	u77745.d	28	460-41556-A-2-D	460-117278	06/24/12	15.0	1	1.0	all			RR 28
06/25/12 2251	u77746.d	29	460-41552-E-1-A	460-117111	06/22/12	15	1	1.0	all			S
06/25/12 2311	u77747.d	30		25jun12		15	1	1.0	all			—
06/25/12 2332	u77748.d	31		25jun12		15	1	1.0	all			—

Signed: C. J. [Signature] Read and Understood by: [Signature]
Date: 6/26/12 Date: 6-27-12

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAWS4.i

Analytical Batch: /chem/BNAWS4.i/8270T/06-20-12/26jun12.b

Date Generated: 06/26/2012

Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
06/26/12	0737	u77749.d	96 DFTPP-1427854			0	0		1	2.0 all		117507
06/26/12	0805	u77750.d	1 CCVIS-1519304			15	1		1	1.0 all		5 Tail peak
06/26/12	0850	u77751.d	2 460-41556-A-1-A	460-117111	06/22/12	15.0	1		500	1.0 all		5
06/26/12	0910	u77752.d	3 460-41556-A-4-A	460-117111	06/22/12	15.0	1		2000	1.0 all		5
06/26/12	0930	u77753.d	4 460-41556-A-7-A	460-117111	06/22/12	15	1		5000	1.0 all		5
06/26/12	0950	u77754.d	5 460-41556-A-13-A	460-117111	06/22/12	15.0	1		20	1.0 all		5
06/26/12	1011	u77755.d	6 460-41556-A-2-D	460-117278	06/24/12	15.0	1		2	1.0 all		5
06/26/12	1031	u77756.d	7 460-41556-A-10-C	460-117111	06/22/12	15.0	1		100	1.0 all		5
06/26/12	1051	u77757.d	8 460-41556-A-10-A MS	460-117111	06/22/12	15.0	1		100	1.0 all		5
06/26/12	1111	u77758.d	9 460-41556-A-10-BMSD			15	1		100	1.0 all		5
06/26/12	1131	u77759.d	10 460-41556-A-17-B	460-117279	06/24/12	15.0	1		5	1.0 all		5
06/26/12	1152	u77760.d	11 460-41556-A-8-B	460-117279	06/24/12	15.0	1		50	1.0 all		5
06/26/12	1212	u77761.d	12 460-41556-A-18-B	460-117279	06/24/12	15.0	1		1	1.0 all		5

20x: Prepared 2x from 10x
25x: Prepared 5x from 5x
50x: Prepared 5x from 10x
100x: Prepared 10x from 10x
200x: Prepared 2x from 100x
250x: Prepared 5x from 50x
500x: Prepared 5x from 100x
1000x: Prepared 10x from 100x

Note: Dilutions prepared as follows:
Dil = Dilution Factor

2x: 300ul sample/ 300ul MeCl₂/ 6ul ISTD
5x: 200ul sample/ 800ul MeCl₂/ 16ul ISTD
10x: 100ul sample/ 900ul MeCl₂/ 18ul ISTD

Read and Understood by:

Signature:

Date:

Date:

07/06/2012

6/26/12

6-27-

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i
Analytical Batch: /chem/BNAMS11.i/8270/06-24-12/26jun12.b

Date Generated: 06/27/2012
Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	TV/IR	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
06/26/12	0753	219057.d	1 DFTPP-1427854	---	---	0	0	1	2.0	all	4442	117976
06/26/12	0816	219058.d	1 DFTPP-1427854	---	---	0	0	1	2.0	all	4442	N6
06/26/12	0841	219059.d	2 CCVTS-1519304	---	---	15	1	1	1.0	all	4442	no interference
06/26/12	0939	219061.d	4 LCS 460-117106/2-A	26jun12	---	15	1	1	1.0	all	4442	no spike here
06/26/12	1002	219062.d	5 MB 460-117106/1-A	26jun12	---	15	1	1	1.0	all	4442	---
06/26/12	1026	219063.d	6 LCS 460-117106/2-A	26jun12	---	15	1	1	1.0	all	4442	---
06/26/12	1049	219064.d	7 460-41546-D-18-A	460-117106	06/22/12	15.0	1	1	1.0	all	4442	---
06/26/12	1113	219065.d	8 460-41546-D-19-A	460-117106	06/22/12	15.0	1	1	1.0	all	4442	---
06/26/12	1136	219066.d	9 460-41546-D-21-C	460-117106	06/22/12	15.0	1	1	1.0	all	4442	---
06/26/12	1200	219067.d	10 200-11346-C-3-A	460-117106	06/22/12	15.0	1	1	1.0	all	4442	---
06/26/12	1223	219068.d	11 200-11346-A-3-A	460-117106	06/22/12	15.0	1	1	1.0	all	4442	---
06/26/12	1246	219069.d	12 200-11346-A-4-A	460-117106	06/22/12	15.0	1	1	1.0	all	4442	---
06/26/12	1310	219070.d	13 200-11346-A-5-A	460-117106	06/22/12	15.0	1	1	1.0	all	4442	---
06/26/12	1333	219071.d	14 200-11346-A-7-C	460-117106	06/22/12	15.0	1	1	1.0	all	4442	---

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/06-24-12/26jun12.b

Date Generated: 06/27/2012

Page 2

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/	FW	Dil	Inj Vol	Sublist	LOT	COMMENTS
06/26/12 1357	z19072.d	15	460-41546-D-21-A MS	460-117106	06/22/12	15.0	1	1	1.0	all	1	ER spike high
06/26/12 1420	z19073.d	16	460-41546-D-21-B MS	460-117106	06/22/12	15.0	1	1	1.0	all	1	ER spike high
06/26/12 1444	z19074.d	17	460-41482-F-1-D	460-117106	06/22/12	15.0	1	1	1.0	all	1	ER spike high
06/26/12 1508	z19075.d	18	460-41546-D-17-A	460-117106	06/22/12	15.0	1	1	1.0	all	1	ER spike high

Signed: Michael Auer Read and Understood by: [Signature]

Date: 06/27/12

Date: 06-28-12

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNMS11.i
Analytical Batch: /chem/BNMS11.i/8270/06-24-12/27jun12.b

Date Generated: 06/28/2012
Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
06/27/12	0849	219087.d	1	DFTPP-1427854		0	0	1	2.0	all		117977
06/27/12	0904	219088.d	2	CCVIS-1519304		15	1	1	1.0	all		117977
06/27/12	1118	219093.d	7	LCS 460-117388/2-A		15	1	1	1.0	all-so		117977
06/27/12	1141	219094.d	8	MB 460-117388/1-A		15	1	1	1.0	all-so		117977
06/27/12	1205	219095.d	9	MB 460-116413/1-A		1000	2	1	1.0	all-h2		117977
06/27/12	1449	219102.d	16	460-41546-D-21-A MS	06/22/12	15.0	1	1	1.0	all-so		117977
06/27/12	1513	219103.d	17	460-41546-D-21-B MSD		15.0	1	1	1.0	all-so		117977

Signed: Mukul Arora Read and Understood by: CS: DS

Date: 6/28/12

Date: 6-29-12

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117106 Batch Start Date: 06/22/12 08:49 Batch Analyst: Patel, HarshBatch Method: 3541 Batch End Date: 06/22/12 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SoxThermPositio n	OP8270SoilSUR 00007	OP8270sp 00027	
MB 460-117106/1		3541, 8270C		15.00 g	1 mL	73	500 uL		
LCS 460-117106/2		3541, 8270C		15.00 g	1 mL	74	500 uL	0.5 mL	
460-41546-D-21 MS	F-12	3541, 8270C	T	15.04 g	1 mL	75	500 uL	0.5 mL	
460-41546-D-21 MSD	F-12	3541, 8270C	T	15.02 g	1 mL	76	500 uL	0.5 mL	
460-41546-D-21	F-12	3541, 8270C	T	15.02 g	1 mL	77	500 uL		
460-41546-D-17	F-8	3541, 8270C	T	14.99 g	1 mL	4	500 uL		
460-41546-D-18	F-9	3541, 8270C	T	15.01 g	1 mL	5	500 uL		
460-41546-D-19	F-10	3541, 8270C	T	15.02 g	1 mL	6	500 uL		

Batch Notes	
Balance ID	28
Batch Comment	BNA soil
Person's name who did the concentration	hp
Vendor lot number	L08E09
Na2SO4 Lot Number	135309
Person's name who did the prep	hp
Solvent	Acetone/MeCL2 mix
First Start time	9.00am

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117111 Batch Start Date: 06/22/12 08:58 Batch Analyst: Patel, HarshBatch Method: 3541 Batch End Date: 06/22/12 17:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SoxThermPositio n	OP8270SoilSUR 00007	OP8270sp 00027	
MB 460-117111/1		3541, 8270C		15.00 g	1 mL	97	500 uL		
LCS 460-117111/2		3541, 8270C		15.00 g	1 mL	98	500 uL	0.5 mL	
460-41556-A-10 MS		3541, 8270C	T	15.03 g	1 mL	99	500 uL	0.5 mL	
460-41556-A-10 MSD		3541, 8270C	T	15.01 g	1 mL	100	500 uL	0.5 mL	
460-41546-D-20	F-11	3541, 8270C	T	15.02 g	1 mL	101	500 uL		
460-41546-D-22	F-13	3541, 8270C	T	15.02 g	1 mL	102	500 uL		
460-41546-D-23	FB-E	3541, 8270C	T	15.03 g	1 mL	103	500 uL		

Batch Notes	
Balance ID	28
Batch Comment	BNA soil
Person's name who did the concentration	hp
Vendor lot number	L08E09
Na2SO4 Lot Number	135309
Person's name who did the prep	hp
Solvent	Acetone/MeCL2 mix
First Start time	9.00am

Basis	Basis Description
T	Total/NA

Method 8081A

Organochlorine Pesticides (GC) by
Method 8081A

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
F-8	460-41546-17	94	100	98	96
F-9	460-41546-18	91	99	98	90
F-10	460-41546-19	96	102	106	97
F-11	460-41546-20	85	92	90	85
F-12	460-41546-21	93	100	104	95
F-13	460-41546-22	94	102	101	97
FB-E	460-41546-23	97	105	102	93
	MB 460-117130/1-A	121	128	138	126
	LCS 460-117130/2-A	132	136	132	125
F-12 MS	460-41546-21 MS	128	131	134	121
F-12 MSD	460-41546-21 MSD	125	129	130	119

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

QC LIMITS
40-150
53-150

Column to be used to flag recovery values

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: WF703324.D
 Lab ID: LCS 460-117130/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aldrin	133	140	105	58-143	
alpha-BHC	133	148	111	58-138	
beta-BHC	133	147	110	60-139	
delta-BHC	133	147	110	60-141	
gamma-BHC (Lindane)	133	144	108	58-136	
4,4'-DDD	133	153	114	63-150	
4,4'-DDE	133	150	112	58-150	
4,4'-DDT	133	151	113	57-150	
Dieldrin	133	129	97	55-128	
Endosulfan I	133	139	104	60-138	
Endosulfan II	133	138	103	59-133	
Endosulfan sulfate	133	146	110	56-133	
Endrin	133	150	112	61-150	
Endrin aldehyde	133	129	97	55-122	
Endrin ketone	133	152	114	62-139	
Heptachlor	133	142	106	58-137	
Heptachlor epoxide	133	134	100	59-136	
Methoxychlor	133	154	116	42-150	

Column to be used to flag recovery and RPD values

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: WR703324.D
 Lab ID: LCS 460-117130/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aldrin	133	143	107	58-143	
alpha-BHC	133	144	108	58-138	
beta-BHC	133	146	110	60-139	
delta-BHC	133	147	110	60-141	
gamma-BHC (Lindane)	133	145	108	58-136	
4,4'-DDD	133	143	107	63-150	
4,4'-DDE	133	144	108	58-150	
4,4'-DDT	133	136	102	57-150	
Dieldrin	133	124	93	55-128	
Endosulfan I	133	134	101	60-138	
Endosulfan II	133	133	100	59-133	
Endosulfan sulfate	133	139	104	56-133	
Endrin	133	139	104	61-150	
Endrin aldehyde	133	124	93	55-122	
Endrin ketone	133	143	107	62-139	
Heptachlor	133	141	106	58-137	
Heptachlor epoxide	133	137	103	59-136	
Methoxychlor	133	133	100	42-150	

Column to be used to flag recovery and RPD values

FORM III
PESTICIDES MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: WF703325.D
 Lab ID: 460-41546-21 MS Client ID: F-12 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aldrin	144	1.6 U	155	108	58-143	
alpha-BHC	144	1.3 U	156	109	58-138	
beta-BHC	144	0.98 U	155	108	60-139	
delta-BHC	144	1.1 U	151	105	60-141	
gamma-BHC (Lindane)	144	0.84 U	153	107	58-136	
4,4'-DDD	144	0.86 U	162	113	63-150	
4,4'-DDE	144	1.4 U	162	112	58-150	
4,4'-DDT	144	0.90 U	158	110	57-150	
Dieldrin	144	1.4 U	140	97	55-128	
Endosulfan I	144	1.5 U	151	105	60-138	
Endosulfan II	144	1.1 U	148	103	59-133	
Endosulfan sulfate	144	0.93 U	149	104	56-133	
Endrin	144	1.0 U	157	109	61-150	
Endrin aldehyde	144	1.8 U	134	93	55-122	
Endrin ketone	144	1.1 U	153	107	62-139	
Heptachlor	144	1.0 U	154	107	58-137	
Heptachlor epoxide	144	1.5 U	148	103	59-136	
Methoxychlor	144	0.81 U	153	106	42-150	

Column to be used to flag recovery and RPD values

FORM III
PESTICIDES MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: WR703325.D
 Lab ID: 460-41546-21 MS Client ID: F-12 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aldrin	144	1.6 U	152	106	58-143	
alpha-BHC	144	1.3 U	150	104	58-138	
beta-BHC	144	0.98 U	152	106	60-139	
delta-BHC	144	1.1 U	150	104	60-141	
gamma-BHC (Lindane)	144	0.84 U	151	105	58-136	
4,4'-DDD	144	0.86 U	160	111	63-150	
4,4'-DDE	144	1.4 U	159	111	58-150	
4,4'-DDT	144	0.90 U	152	106	57-150	
Dieldrin	144	1.4 U	138	96	55-128	
Endosulfan I	144	1.5 U	152	106	60-138	
Endosulfan II	144	1.1 U	146	102	59-133	
Endosulfan sulfate	144	0.93 U	147	103	56-133	
Endrin	144	1.0 U	149	104	61-150	
Endrin aldehyde	144	1.8 U	136	95	55-122	
Endrin ketone	144	1.1 U	149	104	62-139	
Heptachlor	144	1.0 U	147	102	58-137	
Heptachlor epoxide	144	1.5 U	152	105	59-136	
Methoxychlor	144	0.81 U	149	104	42-150	

Column to be used to flag recovery and RPD values

FORM III
PESTICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: WF703326.D
 Lab ID: 460-41546-21 MSD Client ID: F-12 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Aldrin	143	156	109	1	30	58-143	
alpha-BHC	143	158	110	1	30	58-138	
beta-BHC	143	156	109	1	30	60-139	
delta-BHC	143	152	106	1	30	60-141	
gamma-BHC (Lindane)	143	154	107	0	30	58-136	
4,4'-DDD	143	163	113	0	30	63-150	
4,4'-DDE	143	164	114	1	30	58-150	
4,4'-DDT	143	159	111	0	30	57-150	
Dieldrin	143	141	99	1	30	55-128	
Endosulfan I	143	154	107	1	30	60-138	
Endosulfan II	143	148	103	0	30	59-133	
Endosulfan sulfate	143	148	103	1	30	56-133	
Endrin	143	159	111	1	30	61-150	
Endrin aldehyde	143	133	93	0	30	55-122	
Endrin ketone	143	153	107	0	30	62-139	
Heptachlor	143	156	109	1	30	58-137	
Heptachlor epoxide	143	150	105	1	30	59-136	
Methoxychlor	143	152	106	0	30	42-150	

Column to be used to flag recovery and RPD values

FORM III
PESTICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: WR703326.D
 Lab ID: 460-41546-21 MSD Client ID: F-12 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Aldrin	143	152	106	0	30	58-143	
alpha-BHC	143	150	105	0	30	58-138	
beta-BHC	143	155	108	2	30	60-139	
delta-BHC	143	151	105	1	30	60-141	
gamma-BHC (Lindane)	143	153	107	1	30	58-136	
4,4'-DDD	143	159	111	1	30	63-150	
4,4'-DDE	143	161	112	1	30	58-150	
4,4'-DDT	143	150	105	1	30	57-150	
Dieldrin	143	139	97	1	30	55-128	
Endosulfan I	143	152	106	1	30	60-138	
Endosulfan II	143	146	102	0	30	59-133	
Endosulfan sulfate	143	145	101	2	30	56-133	
Endrin	143	151	105	1	30	61-150	
Endrin aldehyde	143	134	93	2	30	55-122	
Endrin ketone	143	149	104	0	30	62-139	
Heptachlor	143	149	104	2	30	58-137	
Heptachlor epoxide	143	153	107	1	30	59-136	
Methoxychlor	143	142	99	5	30	42-150	

Column to be used to flag recovery and RPD values

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: MB 460-117130/1-A
 Matrix: Solid Date Extracted: 06/22/2012 09:49
 Lab File ID: (1) WR703340.D Lab File ID: (2) WF703340.D
 Date Analyzed: (1) 06/25/2012 12:06 Date Analyzed: (2) 06/25/2012 12:06
 Instrument ID: (1) PESTGC4 Instrument ID: (2) PESTGC4
 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 460-117130/2-A	06/25/2012 07:48	06/25/2012 07:48
F-12 MS	460-41546-21 MS	06/25/2012 08:03	06/25/2012 08:03
F-12 MSD	460-41546-21 MSD	06/25/2012 08:17	06/25/2012 08:17
F-12	460-41546-21	06/25/2012 08:30	06/25/2012 08:30
F-8	460-41546-17	06/25/2012 08:44	06/25/2012 08:44
F-9	460-41546-18	06/25/2012 08:58	06/25/2012 08:58
F-10	460-41546-19	06/25/2012 09:12	06/25/2012 09:12
F-11	460-41546-20	06/25/2012 09:26	06/25/2012 09:26
F-13	460-41546-22	06/25/2012 09:40	06/25/2012 09:40
FB-E	460-41546-23	06/25/2012 09:54	06/25/2012 09:54

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Sample No.: CCVRT 460-117505/5 Date Analyzed: 06/25/2012 06:48
 Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): WF703323.D Heated Purge: (Y/N) N
 Calibration ID: 16120

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

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.32	9.85	
UPPER LIMIT				2.37	9.95	
LOWER LIMIT				2.27	9.75	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-117505/5		06/25/2012 06:48	WF703323.D	2.32	9.85	
LCS 460-117130/2-A		06/25/2012 07:48	WF703324.D	2.36	9.86	
460-41546-21 MS	F-12 MS	06/25/2012 08:03	WF703325.D	2.33	9.86	
460-41546-21 MSD	F-12 MSD	06/25/2012 08:17	WF703326.D	2.32	9.86	
460-41546-21	F-12	06/25/2012 08:30	WF703327.D	2.32	9.86	
460-41546-17	F-8	06/25/2012 08:44	WF703328.D	2.33	9.85	
460-41546-18	F-9	06/25/2012 08:58	WF703329.D	2.32	9.86	
460-41546-19	F-10	06/25/2012 09:12	WF703330.D	2.33	9.85	
460-41546-20	F-11	06/25/2012 09:26	WF703331.D	2.32	9.86	
460-41546-22	F-13	06/25/2012 09:40	WF703332.D	2.33	9.85	
460-41546-23	FB-E	06/25/2012 09:54	WF703333.D	2.33	9.86	
MB 460-117130/1-A		06/25/2012 12:06	WF703340.D	2.33	9.86	
CCV 460-117505/24		06/25/2012 12:34	WF703342.D	2.33	9.86	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

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

Column used to flag values outside QC limits

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Sample No.: CCVRT 460-117505/5 Date Analyzed: 06/25/2012 06:48
 Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm)
 Lab File ID (Standard): WR703323.D Heated Purge: (Y/N) N
 Calibration ID: 16121

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

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.92	8.94	
UPPER LIMIT				1.97	9.04	
LOWER LIMIT				1.87	8.84	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-117505/5		06/25/2012 06:48	WR703323.D	1.92	8.94	
LCS 460-117130/2-A		06/25/2012 07:48	WR703324.D	1.92	8.94	
460-41546-21 MS	F-12 MS	06/25/2012 08:03	WR703325.D	1.92	8.94	
460-41546-21 MSD	F-12 MSD	06/25/2012 08:17	WR703326.D	1.92	8.94	
460-41546-21	F-12	06/25/2012 08:30	WR703327.D	1.92	8.94	
460-41546-17	F-8	06/25/2012 08:44	WR703328.D	1.92	8.94	
460-41546-18	F-9	06/25/2012 08:58	WR703329.D	1.92	8.94	
460-41546-19	F-10	06/25/2012 09:12	WR703330.D	1.92	8.94	
460-41546-20	F-11	06/25/2012 09:26	WR703331.D	1.92	8.94	
460-41546-22	F-13	06/25/2012 09:40	WR703332.D	1.92	8.94	
460-41546-23	FB-E	06/25/2012 09:54	WR703333.D	1.92	8.94	
MB 460-117130/1-A		06/25/2012 12:06	WR703340.D	1.92	8.94	
CCV 460-117505/24		06/25/2012 12:34	WR703342.D	1.92	8.94	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

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

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-8 Lab Sample ID: 460-41546-17
Instrument ID (1): PESTGC4 Instrument ID (2): PESTGC4
Date Analyzed (1): 06/25/2012 08:44 Date Analyzed (2): 06/25/2012 08:44
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	
4,4'-DDT	1		7.07	7.01	7.15	7.8		21.9
	2		8.06	7.99	8.13	6.3		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-12 MS Lab Sample ID: 460-41546-21 MS
 Instrument ID (1): PESTGC4 Instrument ID (2): PESTGC4
 Date Analyzed (1): 06/25/2012 08:03 Date Analyzed (2): 06/25/2012 08:03
 GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.46	2.42	2.52	150		4.1
	2		3.38	3.34	3.44	156		
gamma-BHC (Lindane)	1		2.93	2.90	3.00	151		1.4
	2		4.08	4.04	4.14	153		
beta-BHC	1		3.09	3.06	3.16	152		1.8
	2		4.22	4.19	4.29	155		
delta-BHC	1		3.41	3.37	3.47	150		0.8
	2		4.80	4.77	4.87	151		
Heptachlor	1		3.79	3.76	3.86	147		4.7
	2		4.95	4.92	5.02	154		
Aldrin	1		4.34	4.31	4.41	152		1.8
	2		5.62	5.58	5.68	155		
Heptachlor epoxide	1		5.46	5.41	5.55	152		2.3
	2		6.54	6.48	6.62	148		
4,4'-DDE	1		6.10	6.04	6.18	159		1.4
	2		7.05	6.99	7.13	162		
Endosulfan I	1		6.19	6.13	6.27	152		0.9
	2		6.96	6.90	7.04	151		
Dieldrin	1		6.49	6.43	6.57	138		1.1
	2		7.26	7.19	7.33	140		
Endrin	1		6.73	6.67	6.81	149		5.0
	2		7.60	7.53	7.67	157		
4,4'-DDD	1		6.79	6.73	6.87	160		1.4
	2		7.69	7.63	7.77	162		
Endosulfan II	1		6.95	6.89	7.03	146		1.2
	2		7.83	7.77	7.91	148		
4,4'-DDT	1		7.07	7.01	7.15	152		3.9
	2		8.05	7.99	8.13	158		
Endrin aldehyde	1		7.38	7.31	7.45	136		1.9
	2		8.21	8.14	8.28	134		
Methoxychlor	1		7.58	7.52	7.66	149		2.2
	2		8.66	8.60	8.74	153		
Endosulfan sulfate	1		7.84	7.78	7.92	147		1.2
	2		8.46	8.40	8.54	149		
Endrin ketone	1		8.15	8.09	8.23	149		2.8
	2		8.86	8.80	8.94	153		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: F-12 MSD Lab Sample ID: 460-41546-21 MSD

Instrument ID (1): PESTGC4 Instrument ID (2): PESTGC4

Date Analyzed (1): 06/25/2012 08:17 Date Analyzed (2): 06/25/2012 08:17

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

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.46	2.42	2.52	150		4.7
	2		3.38	3.34	3.44	158		
gamma-BHC (Lindane)	1		2.93	2.90	3.00	153		0.8
	2		4.08	4.04	4.14	154		
beta-BHC	1		3.10	3.06	3.16	155		0.1
	2		4.22	4.19	4.29	156		
delta-BHC	1		3.41	3.37	3.47	151		0.9
	2		4.80	4.77	4.87	152		
Heptachlor	1		3.79	3.76	3.86	149		4.2
	2		4.95	4.92	5.02	156		
Aldrin	1		4.34	4.31	4.41	152		2.3
	2		5.61	5.58	5.68	156		
Heptachlor epoxide	1		5.46	5.41	5.55	153		1.7
	2		6.54	6.48	6.62	150		
4,4'-DDE	1		6.10	6.04	6.18	161		2.0
	2		7.05	6.99	7.13	164		
Endosulfan I	1		6.19	6.13	6.27	152		1.2
	2		6.96	6.90	7.04	154		
Dieldrin	1		6.49	6.43	6.57	139		1.7
	2		7.26	7.19	7.33	141		
Endrin	1		6.73	6.67	6.81	151		5.0
	2		7.60	7.53	7.67	159		
4,4'-DDD	1		6.79	6.73	6.87	159		2.4
	2		7.69	7.63	7.77	163		
Endosulfan II	1		6.95	6.89	7.03	146		1.6
	2		7.83	7.77	7.91	148		
4,4'-DDT	1		7.07	7.01	7.15	150		5.4
	2		8.05	7.99	8.13	159		
Endrin aldehyde	1		7.38	7.31	7.45	134		0.5
	2		8.21	8.14	8.28	133		
Methoxychlor	1		7.58	7.52	7.66	142		7.1
	2		8.66	8.60	8.74	152		
Endosulfan sulfate	1		7.84	7.78	7.92	145		2.5
	2		8.46	8.40	8.54	148		
Endrin ketone	1		8.15	8.09	8.23	149		2.4
	2		8.86	8.80	8.94	153		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-13 Lab Sample ID: 460-41546-22
 Instrument ID (1): PESTGC4 Instrument ID (2): PESTGC4
 Date Analyzed (1): 06/25/2012 09:40 Date Analyzed (2): 06/25/2012 09:40
 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	
4,4'-DDE	1		6.10	6.04	6.18	17		7.7
	2		7.06	6.99	7.13	16		
Dieldrin	1		6.49	6.43	6.57	4.7		65.6
	2		7.27	7.19	7.33	9.3		
4,4'-DDD	1		6.79	6.73	6.87	46		3.5
	2		7.69	7.63	7.77	44		
4,4'-DDT	1		7.05	7.01	7.15	9.9		15.6
	2		8.06	7.99	8.13	8.4		
Chlordane	1	1	3.65	3.55	3.69	55.5	58	133.8
		2	3.79	3.69	3.83	36.5		
		3	4.59	4.49	4.63	39.1		
		4	5.35	5.24	5.38	45.6		
		5	5.72	5.61	5.75	82.9		
		6	5.97	5.86	6.00	69.5		
		7	6.71	6.68	6.82	30.0		
		8	6.87	6.80	6.94	105		
	2	1	4.67	4.56	4.70	24.3	290	
		3	5.91	5.81	5.95	34.7		
		4	6.75	6.66	6.80	202		
		5	6.84	6.75	6.89	64.5		
		6	6.90	6.81	6.95	75.4		
		7	7.69	7.59	7.73	1520		
		8	7.84	7.80	7.94	125		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-117130/2-A

Instrument ID (1): PESTGC4 Instrument ID (2): PESTGC4

Date Analyzed (1): 06/25/2012 07:48 Date Analyzed (2): 06/25/2012 07:48

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

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.46	2.42	2.52	144		3.3
	2		3.43	3.34	3.44	148		
gamma-BHC (Lindane)	1		2.94	2.90	3.00	145		0.2
	2		4.13	4.04	4.14	144		
beta-BHC	1		3.10	3.06	3.16	146		0.1
	2		4.27	4.19	4.29	147		
delta-BHC	1		3.42	3.37	3.47	147		0.3
	2		4.85	4.77	4.87	147		
Heptachlor	1		3.80	3.76	3.86	141		0.9
	2		5.00	4.92	5.02	142		
Aldrin	1		4.35	4.31	4.41	143		2.2
	2		5.67	5.58	5.68	140		
Heptachlor epoxide	1		5.47	5.41	5.55	137		2.6
	2		6.56	6.48	6.62	134		
4,4'-DDE	1		6.11	6.04	6.18	144		4.1
	2		7.07	6.99	7.13	150		
Endosulfan I	1		6.20	6.13	6.27	134		3.3
	2		6.98	6.90	7.04	139		
Dieldrin	1		6.49	6.43	6.57	124		3.9
	2		7.27	7.19	7.33	129		
Endrin	1		6.73	6.67	6.81	139		7.5
	2		7.61	7.53	7.67	150		
4,4'-DDD	1		6.79	6.73	6.87	143		6.7
	2		7.71	7.63	7.77	153		
Endosulfan II	1		6.96	6.89	7.03	133		3.5
	2		7.85	7.77	7.91	138		
4,4'-DDT	1		7.07	7.01	7.15	136		10.3
	2		8.07	7.99	8.13	151		
Endrin aldehyde	1		7.38	7.31	7.45	124		4.4
	2		8.22	8.14	8.28	129		
Methoxychlor	1		7.58	7.52	7.66	133		14.9
	2		8.67	8.60	8.74	154		
Endosulfan sulfate	1		7.84	7.78	7.92	139		5.3
	2		8.47	8.40	8.54	146		
Endrin ketone	1		8.16	8.09	8.23	143		6.2
	2		8.87	8.80	8.94	152		

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-8 Lab Sample ID: 460-41546-17
Matrix: Solid Lab File ID: WF703328.D
Analysis Method: 8081A Date Collected: 06/20/2012 13:05
Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
Sample wt/vol: 15.02(g) Date Analyzed: 06/25/2012 08:44
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 9.1 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	100		40-150
2051-24-3	DCB Decachlorobiphenyl	96		53-150

Data File: WF703328.D
Report Date: 26-Jun-2012 11:05

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703328.D
Lab Smp Id: 460-41546-D-17-C Client Smp ID: F-8
Inj Date : 25-JUN-2012 08:44
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-17-C
Misc Info : 460-41546-D-17-C
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
Meth Date : 26-Jun-2012 07:31 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WF703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.02000	Weight of sample extracted (g)
M	9.10853	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8 2.327 2.333 -0.006 159404 50.0904 37 80.00- 120.00 100.00									
9 4,4'-DDT CAS #: 50-29-3 8.060 8.060 0.000 19234 8.54790 6.3 80.00- 120.00 100.00									
\$ 30 Decachlorobiphenyl CAS #: 2051-24-3 9.853 9.857 -0.004 112761 47.8815 35 80.00- 120.00 100.00									

Data File: WF703328.D

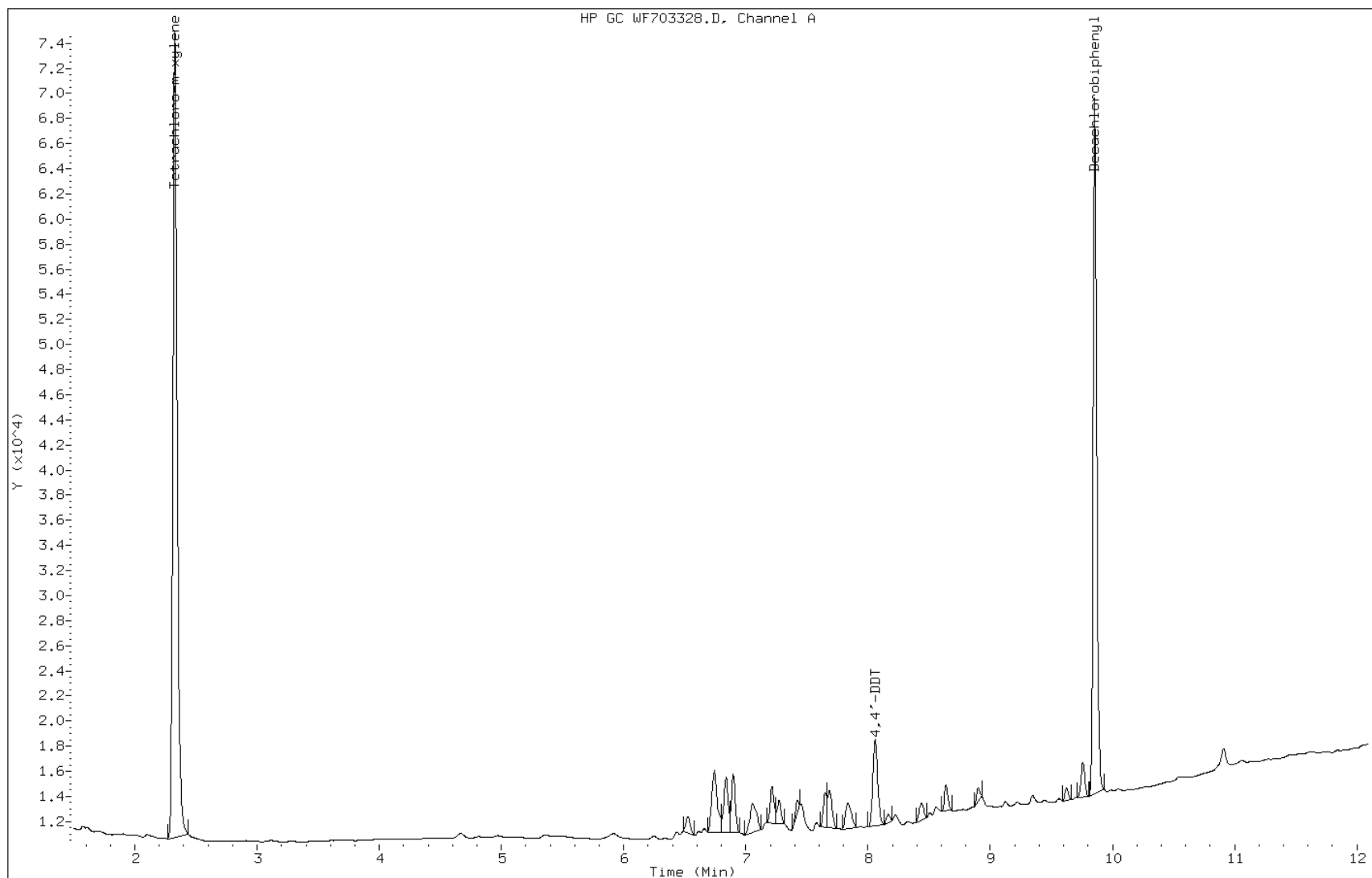
Date: 25-JUN-2012 08:44

Client ID: F-8

Instrument: PESTGC4.i

Sample Info: 460-41546-D-17-C

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: F-8 Lab Sample ID: 460-41546-17

Matrix: Solid Lab File ID: WR703328.D

Analysis Method: 8081A Date Collected: 06/20/2012 13:05

Extraction Method: 3541 Date Extracted: 06/22/2012 09:49

Sample wt/vol: 15.02(g) Date Analyzed: 06/25/2012 08:44

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

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: 9.1 GPC Cleanup: (Y/N) N

Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.6	U	7.4	1.6
319-84-6	alpha-BHC	1.4	U	7.4	1.4
319-85-7	beta-BHC	1.0	U	7.4	1.0
319-86-8	delta-BHC	1.1	U	7.4	1.1
58-89-9	gamma-BHC (Lindane)	0.86	U	7.4	0.86
57-74-9	Chlordane	16	U	74	16
72-54-8	4,4'-DDD	0.88	U	7.4	0.88
72-55-9	4,4'-DDE	1.4	U	7.4	1.4
50-29-3	4,4'-DDT	7.8		7.4	0.92
60-57-1	Dieldrin	1.4	U	7.4	1.4
959-98-8	Endosulfan I	1.5	U	7.4	1.5
33213-65-9	Endosulfan II	1.1	U	7.4	1.1
1031-07-8	Endosulfan sulfate	0.94	U	7.4	0.94
72-20-8	Endrin	1.0	U	7.4	1.0
7421-93-4	Endrin aldehyde	1.8	U	7.4	1.8
53494-70-5	Endrin ketone	1.1	U	7.4	1.1
76-44-8	Heptachlor	1.1	U	7.4	1.1
1024-57-3	Heptachlor epoxide	1.5	U	7.4	1.5
72-43-5	Methoxychlor	0.82	U	7.4	0.82
8001-35-2	Toxaphene	15	U	74	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		40-150
2051-24-3	DCB Decachlorobiphenyl	98		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703328.D
Lab Smp Id: 460-41546-D-17-C Client Smp ID: F-8
Inj Date : 25-JUN-2012 08:44
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-17-C
Misc Info : 460-41546-D-17-C
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WR703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.02000	Weight of sample extracted (g)
M	9.10853	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
		ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8							
1.917	1.920	-0.003	157265 46.7994	34	80.00- 120.00	100.00	

9 4,4'-DDT CAS #: 50-29-3							
7.067	7.077	-0.010	25913 10.6483	7.8	80.00- 120.00	100.00	

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3							
8.937	8.940	-0.003	102411 49.2385	36	80.00- 120.00	100.00	

Data File: WR703328.D

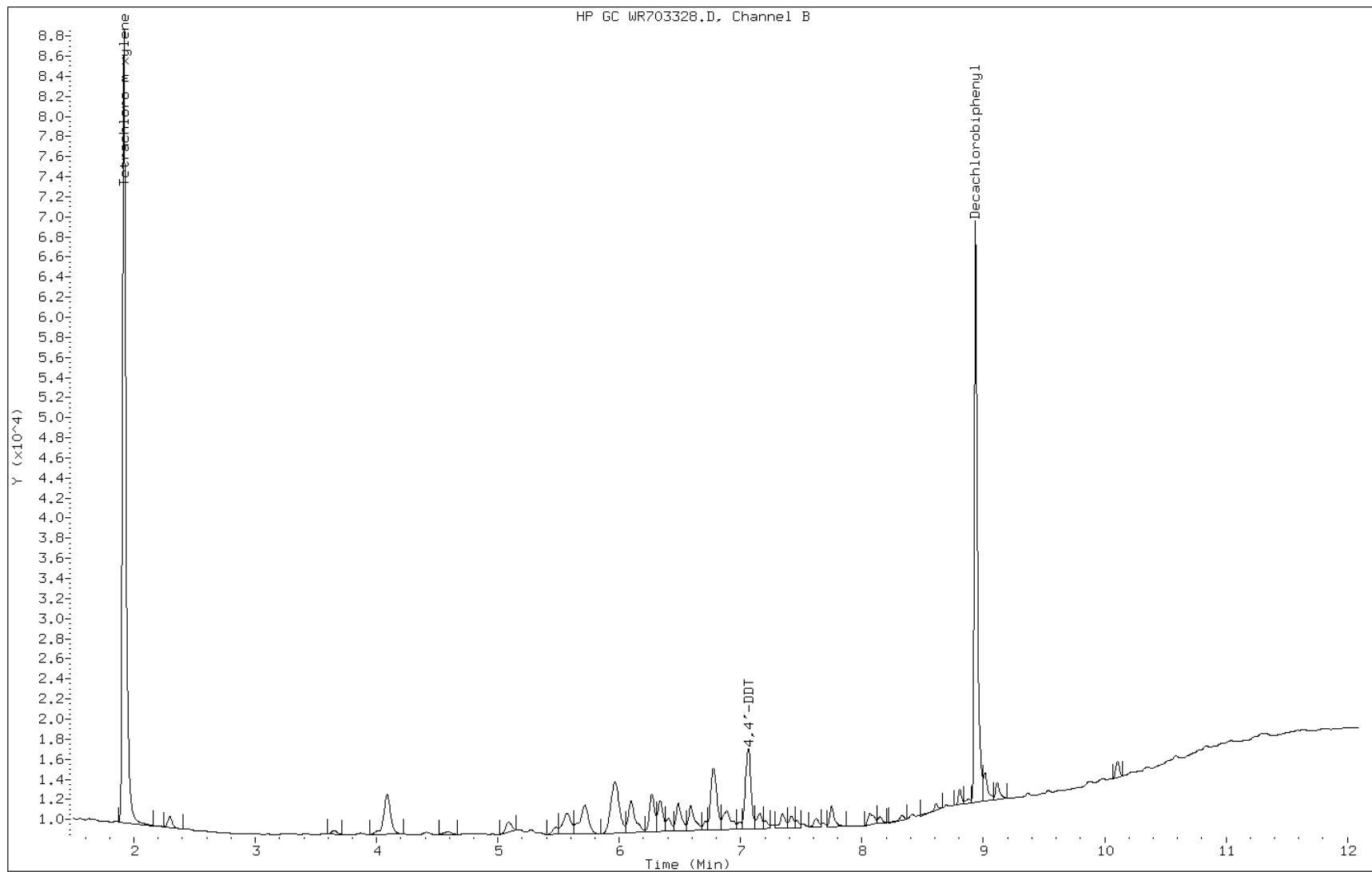
Date: 25-JUN-2012 08:44

Client ID: F-8

Instrument: PESTGC4.i

Sample Info: 460-41546-D-17-C

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-9 Lab Sample ID: 460-41546-18
Matrix: Solid Lab File ID: WF703329.D
Analysis Method: 8081A Date Collected: 06/20/2012 13:14
Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
Sample wt/vol: 15.01(g) Date Analyzed: 06/25/2012 08:58
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 10.8 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		40-150
2051-24-3	DCB Decachlorobiphenyl	90		53-150

Data File: WF703329.D
Report Date: 26-Jun-2012 11:06

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703329.D
Lab Smp Id: 460-41546-D-18-C Client Smp ID: F-9
Inj Date : 25-JUN-2012 08:58
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-18-C
Misc Info : 460-41546-D-18-C
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
Meth Date : 26-Jun-2012 07:31 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WF703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.01000	Weight of sample extracted (g)
M	10.78611	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene					CAS #: 877-09-8				
2.323	2.333	-0.010	156992	49.3324	37	80.00- 120.00	100.00		
\$ 30 Decachlorobiphenyl					CAS #: 2051-24-3				
9.857	9.857	0.000	105894	44.9655	34	80.00- 120.00	100.00		

Data File: WF703329.D

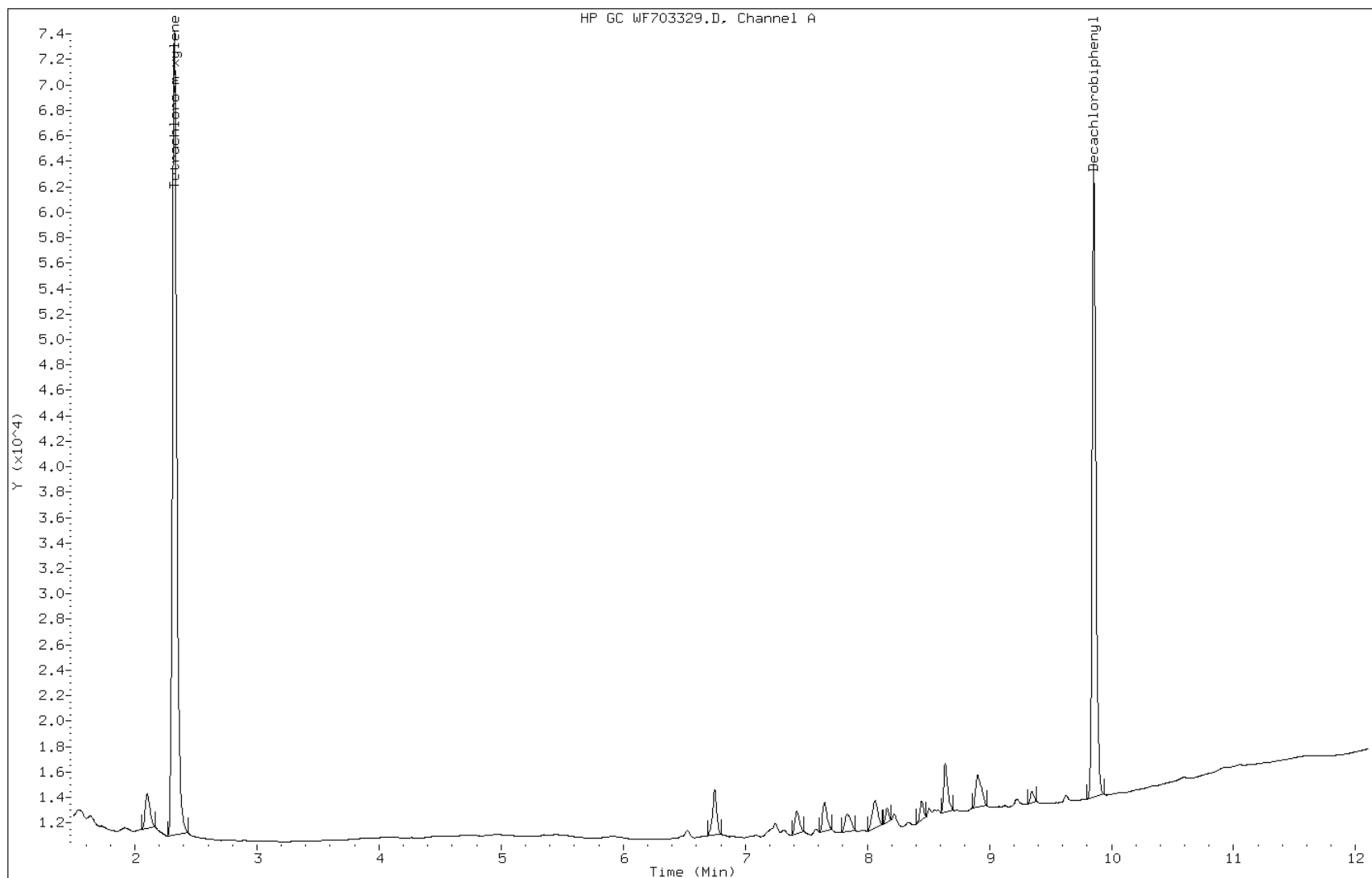
Date: 25-JUN-2012 08:58

Client ID: F-9

Instrument: PESTGC4.i

Sample Info: 460-41546-D-18-C

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-9 Lab Sample ID: 460-41546-18
 Matrix: Solid Lab File ID: WR703329.D
 Analysis Method: 8081A Date Collected: 06/20/2012 13:14
 Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
 Sample wt/vol: 15.01(g) Date Analyzed: 06/25/2012 08:58
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 10.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.6	U	7.5	1.6
319-84-6	alpha-BHC	1.4	U	7.5	1.4
319-85-7	beta-BHC	1.0	U	7.5	1.0
319-86-8	delta-BHC	1.1	U	7.5	1.1
58-89-9	gamma-BHC (Lindane)	0.87	U	7.5	0.87
57-74-9	Chlordane	16	U	75	16
72-54-8	4,4'-DDD	0.90	U	7.5	0.90
72-55-9	4,4'-DDE	1.5	U	7.5	1.5
50-29-3	4,4'-DDT	0.94	U	7.5	0.94
60-57-1	Dieldrin	1.4	U	7.5	1.4
959-98-8	Endosulfan I	1.6	U	7.5	1.6
33213-65-9	Endosulfan II	1.1	U	7.5	1.1
1031-07-8	Endosulfan sulfate	0.96	U	7.5	0.96
72-20-8	Endrin	1.1	U	7.5	1.1
7421-93-4	Endrin aldehyde	1.9	U	7.5	1.9
53494-70-5	Endrin ketone	1.1	U	7.5	1.1
76-44-8	Heptachlor	1.1	U	7.5	1.1
1024-57-3	Heptachlor epoxide	1.5	U	7.5	1.5
72-43-5	Methoxychlor	0.84	U	7.5	0.84
8001-35-2	Toxaphene	16	U	75	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		40-150
2051-24-3	DCB Decachlorobiphenyl	98		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703329.D
Lab Smp Id: 460-41546-D-18-C Client Smp ID: F-9
Inj Date : 25-JUN-2012 08:58
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-18-C
Misc Info : 460-41546-D-18-C
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WR703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.01000	Weight of sample extracted (g)
M	10.78611	% Moisture

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
1.917	1.920	-0.003	153085	45.5555	34	80.00- 120.00	100.00		

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
8.937	8.940	-0.003	102009	49.0455	37	80.00- 120.00	100.00		

Data File: WR703329.D

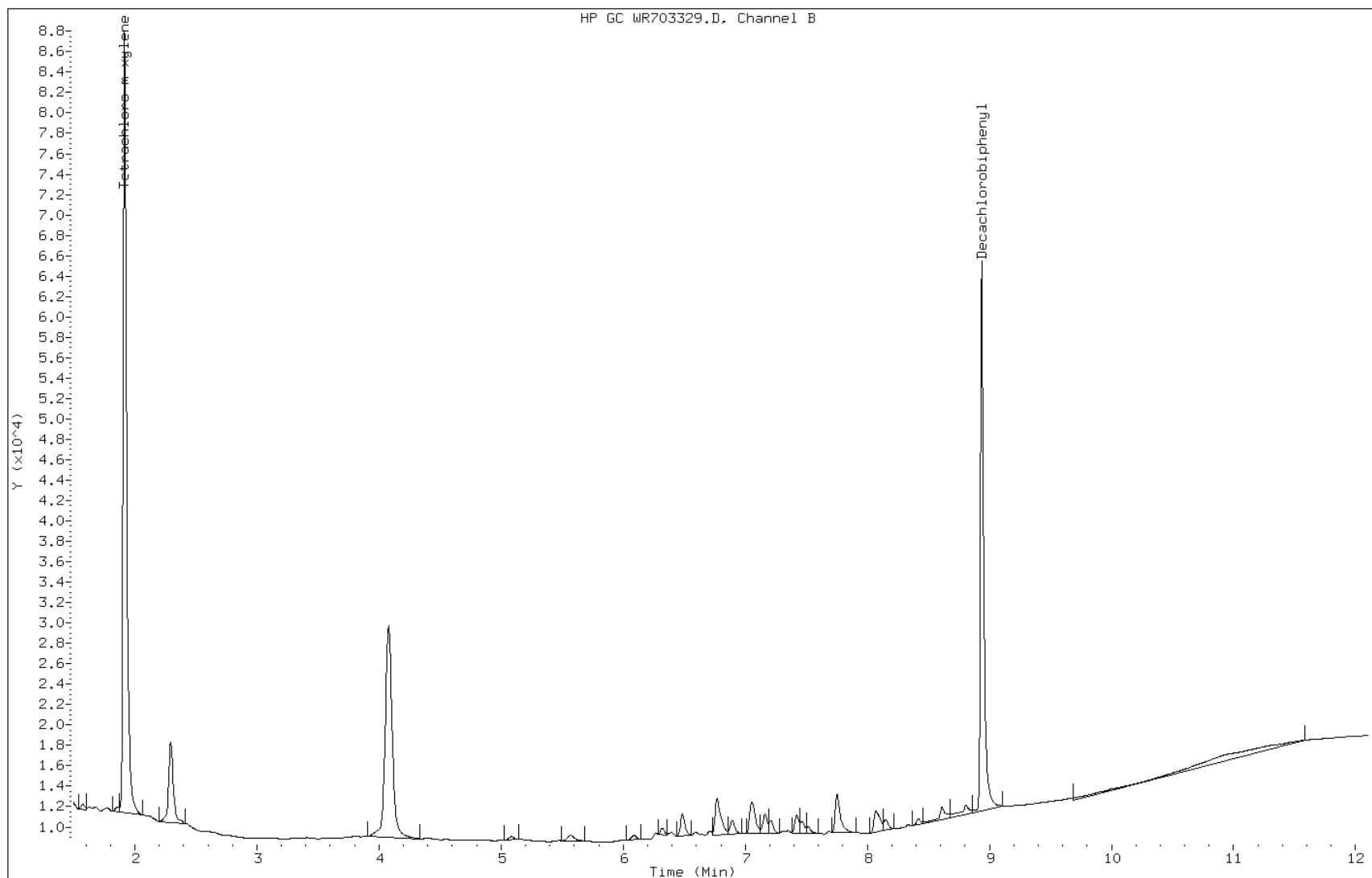
Date: 25-JUN-2012 08:58

Client ID: F-9

Instrument: PESTGC4.i

Sample Info: 460-41546-D-18-C

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-10 Lab Sample ID: 460-41546-19
Matrix: Solid Lab File ID: WF703330.D
Analysis Method: 8081A Date Collected: 06/20/2012 13:48
Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 09:12
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 9.7 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	102		40-150
2051-24-3	DCB Decachlorobiphenyl	97		53-150

Data File: WF703330.D
Report Date: 26-Jun-2012 11:08

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703330.D
Lab Smp Id: 460-41546-D-19-C Client Smp ID: F-10
Inj Date : 25-JUN-2012 09:12
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-19-C
Misc Info : 460-41546-D-19-C
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
Meth Date : 26-Jun-2012 07:31 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WF703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	9.65058	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene					CAS #: 877-09-8				
2.327	2.333	-0.006	161763	50.8317	38	80.00- 120.00	100.00		
\$ 30 Decachlorobiphenyl					CAS #: 2051-24-3				
9.853	9.857	-0.004	114475	48.6093	36	80.00- 120.00	100.00		

Data File: WF703330.D

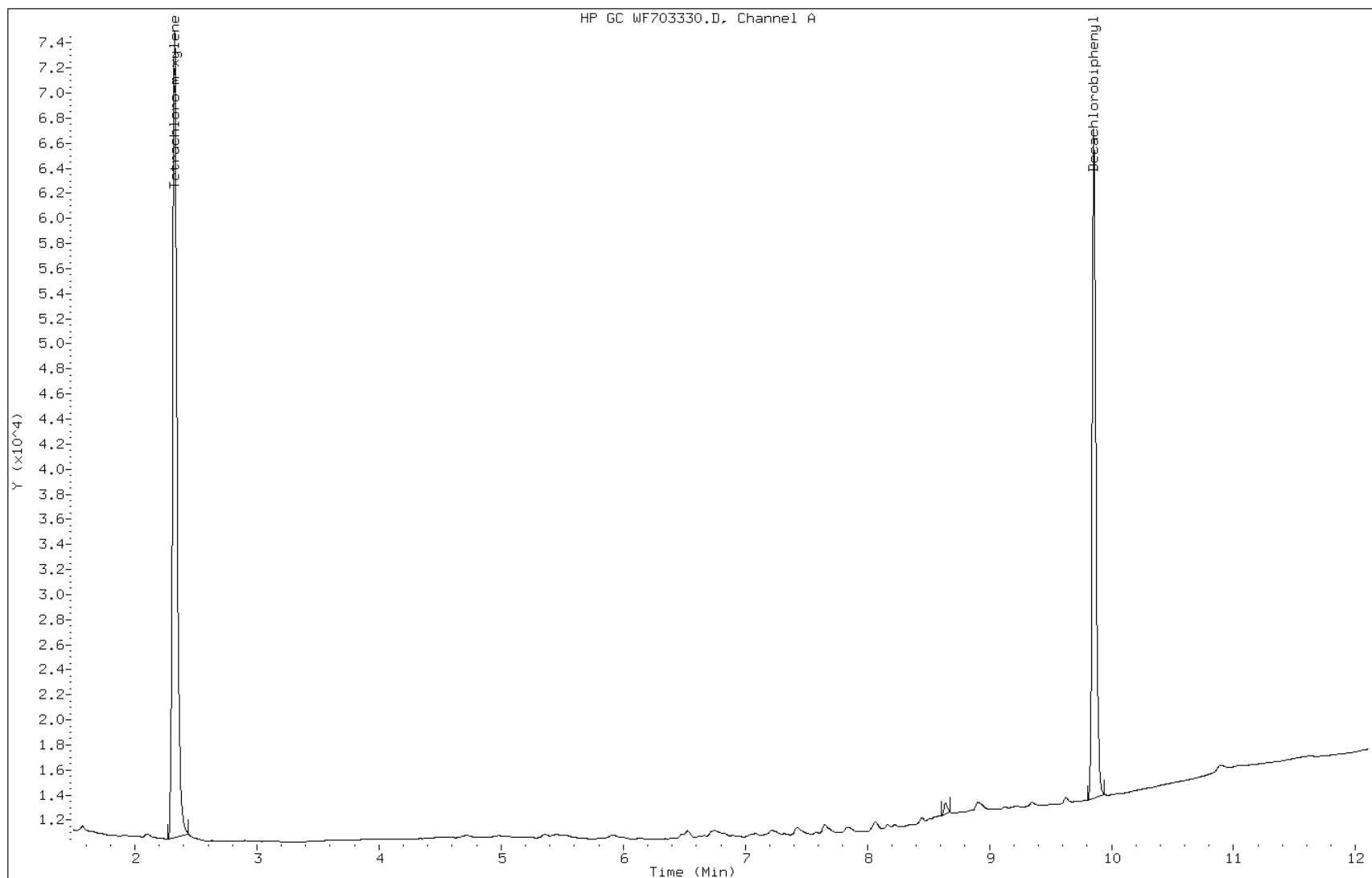
Date: 25-JUN-2012 09:12

Client ID: F-10

Instrument: PESTGC4.i

Sample Info: 460-41546-D-19-C

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-10</u>	Lab Sample ID: <u>460-41546-19</u>
Matrix: <u>Solid</u>	Lab File ID: <u>WR703330.D</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>06/20/2012 13:48</u>
Extraction Method: <u>3541</u>	Date Extracted: <u>06/22/2012 09:49</u>
Sample wt/vol: <u>15.00(g)</u>	Date Analyzed: <u>06/25/2012 09:12</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53(mm)</u>
% Moisture: <u>9.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117505</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.6	U	7.4	1.6
319-84-6	alpha-BHC	1.4	U	7.4	1.4
319-85-7	beta-BHC	1.0	U	7.4	1.0
319-86-8	delta-BHC	1.1	U	7.4	1.1
58-89-9	gamma-BHC (Lindane)	0.86	U	7.4	0.86
57-74-9	Chlordane	16	U	74	16
72-54-8	4,4'-DDD	0.89	U	7.4	0.89
72-55-9	4,4'-DDE	1.4	U	7.4	1.4
50-29-3	4,4'-DDT	0.93	U	7.4	0.93
60-57-1	Dieldrin	1.4	U	7.4	1.4
959-98-8	Endosulfan I	1.6	U	7.4	1.6
33213-65-9	Endosulfan II	1.1	U	7.4	1.1
1031-07-8	Endosulfan sulfate	0.95	U	7.4	0.95
72-20-8	Endrin	1.0	U	7.4	1.0
7421-93-4	Endrin aldehyde	1.8	U	7.4	1.8
53494-70-5	Endrin ketone	1.1	U	7.4	1.1
76-44-8	Heptachlor	1.1	U	7.4	1.1
1024-57-3	Heptachlor epoxide	1.5	U	7.4	1.5
72-43-5	Methoxychlor	0.83	U	7.4	0.83
8001-35-2	Toxaphene	15	U	74	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		40-150
2051-24-3	DCB Decachlorobiphenyl	106		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703330.D
Lab Smp Id: 460-41546-D-19-C Client Smp ID: F-10
Inj Date : 25-JUN-2012 09:12
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-19-C
Misc Info : 460-41546-D-19-C
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WR703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	9.65058	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
1.917	1.920	-0.003	160841	47.8637	35	80.00- 120.00	100.00		

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
8.937	8.940	-0.003	109778	52.7808	39	80.00- 120.00	100.00		

Data File: WR703330.D

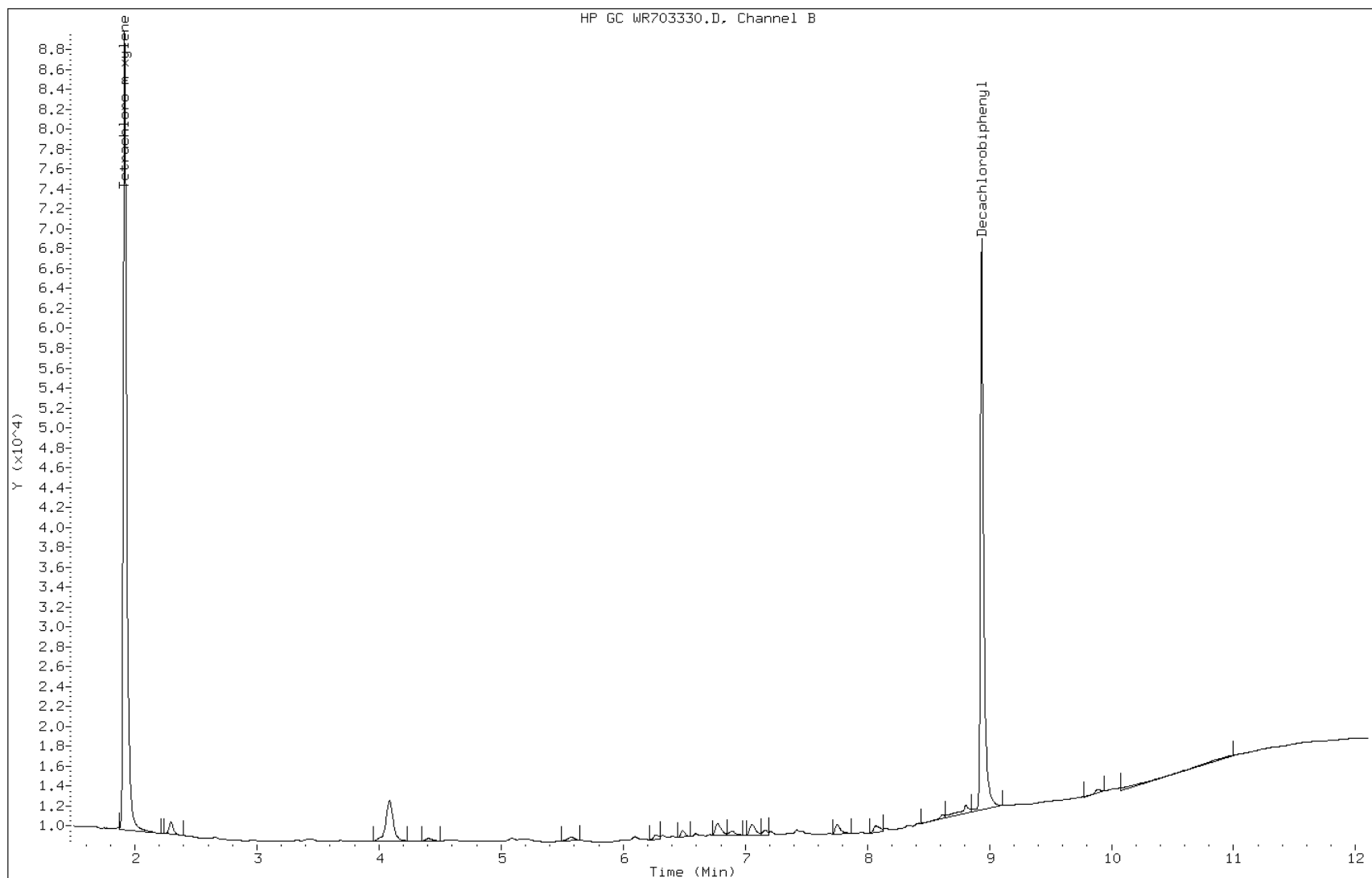
Date: 25-JUN-2012 09:12

Client ID: F-10

Instrument: PESTGC4.i

Sample Info: 460-41546-D-19-C

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-11 Lab Sample ID: 460-41546-20
Matrix: Solid Lab File ID: WF703331.D
Analysis Method: 8081A Date Collected: 06/20/2012 13:52
Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 09:26
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 10.1 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92		40-150
2051-24-3	DCB Decachlorobiphenyl	85		53-150

Data File: WF703331.D
Report Date: 26-Jun-2012 11:10

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703331.D
Lab Smp Id: 460-41546-D-20-C Client Smp ID: F-11
Inj Date : 25-JUN-2012 09:26
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-20-C
Misc Info : 460-41546-D-20-C
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
Meth Date : 26-Jun-2012 07:31 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WF703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	10.08547	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
2.323	2.333	-0.010	145939	45.8591	34	80.00- 120.00	100.00		

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
9.857	9.857	0.000	99559	42.2757	31	80.00- 120.00	100.00		

Data File: WF703331.D

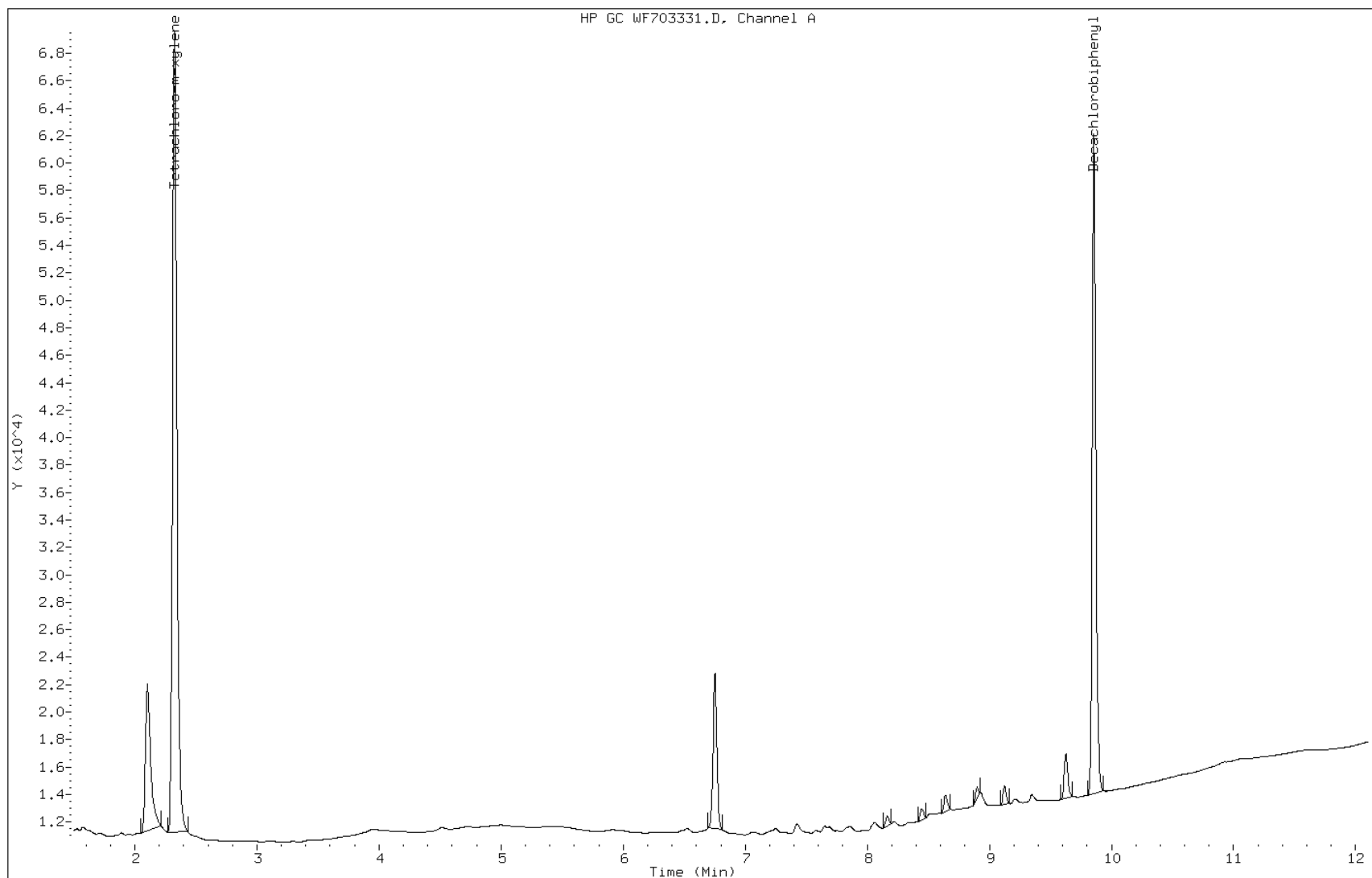
Date: 25-JUN-2012 09:26

Client ID: F-11

Instrument: PESTGC4.i

Sample Info: 460-41546-D-20-C

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-11 Lab Sample ID: 460-41546-20
 Matrix: Solid Lab File ID: WR703331.D
 Analysis Method: 8081A Date Collected: 06/20/2012 13:52
 Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
 Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 09:26
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 10.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.6	U	7.5	1.6
319-84-6	alpha-BHC	1.4	U	7.5	1.4
319-85-7	beta-BHC	1.0	U	7.5	1.0
319-86-8	delta-BHC	1.1	U	7.5	1.1
58-89-9	gamma-BHC (Lindane)	0.87	U	7.5	0.87
57-74-9	Chlordane	16	U	75	16
72-54-8	4,4'-DDD	0.89	U	7.5	0.89
72-55-9	4,4'-DDE	1.4	U	7.5	1.4
50-29-3	4,4'-DDT	0.93	U	7.5	0.93
60-57-1	Dieldrin	1.4	U	7.5	1.4
959-98-8	Endosulfan I	1.6	U	7.5	1.6
33213-65-9	Endosulfan II	1.1	U	7.5	1.1
1031-07-8	Endosulfan sulfate	0.96	U	7.5	0.96
72-20-8	Endrin	1.0	U	7.5	1.0
7421-93-4	Endrin aldehyde	1.9	U	7.5	1.9
53494-70-5	Endrin ketone	1.1	U	7.5	1.1
76-44-8	Heptachlor	1.1	U	7.5	1.1
1024-57-3	Heptachlor epoxide	1.5	U	7.5	1.5
72-43-5	Methoxychlor	0.83	U	7.5	0.83
8001-35-2	Toxaphene	16	U	75	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85		40-150
2051-24-3	DCB Decachlorobiphenyl	90		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703331.D
Lab Smp Id: 460-41546-D-20-C Client Smp ID: F-11
Inj Date : 25-JUN-2012 09:26
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-20-C
Misc Info : 460-41546-D-20-C
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WR703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	10.08547	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
1.917	1.920	-0.003	142616	42.4402	31	80.00- 120.00	100.00		

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
8.937	8.940	-0.003	94093	45.2395	34	80.00- 120.00	100.00		

Data File: WR703331.D

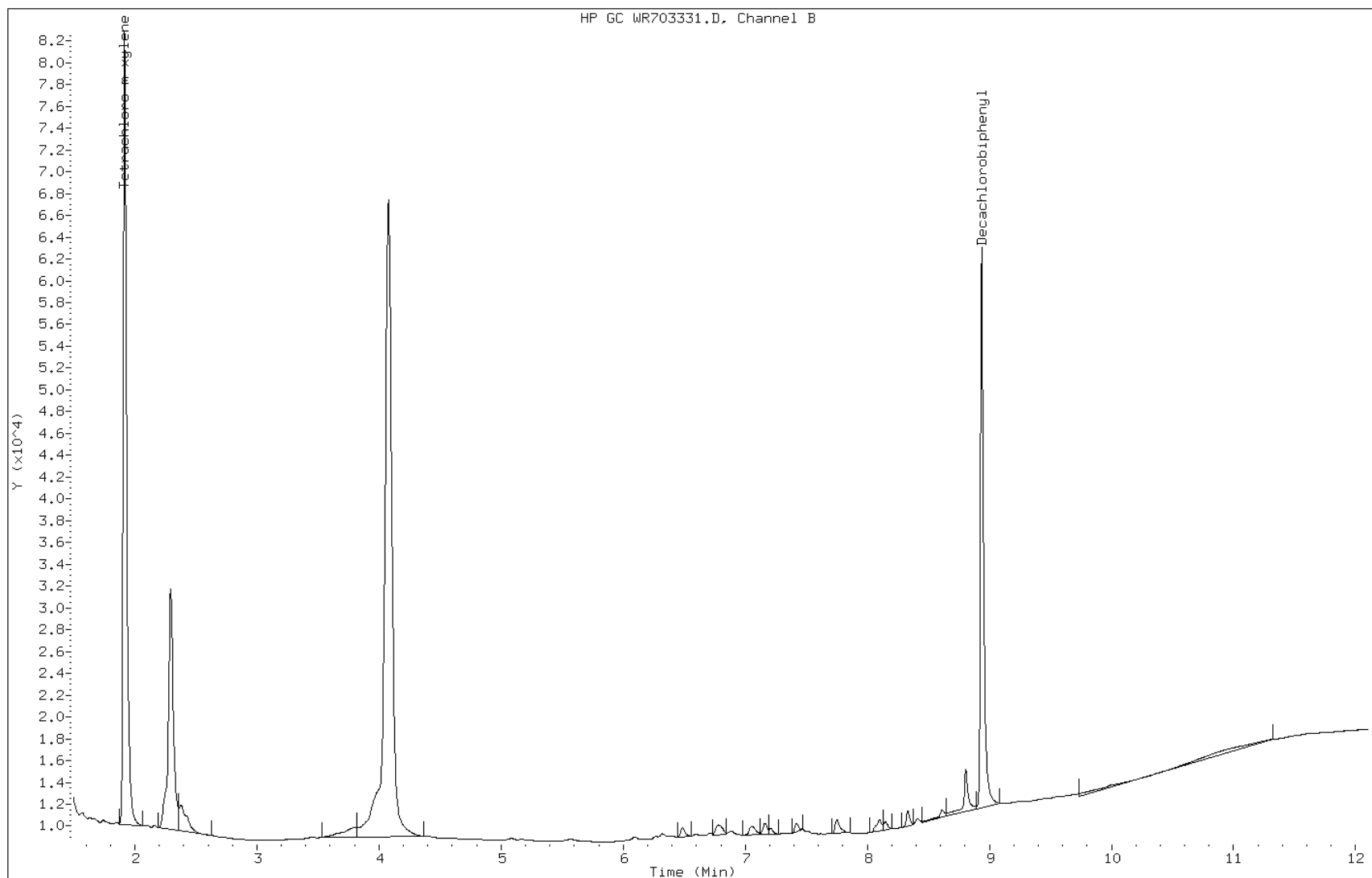
Date: 25-JUN-2012 09:26

Client ID: F-11

Instrument: PESTGC4.i

Sample Info: 460-41546-D-20-C

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-12 Lab Sample ID: 460-41546-21
Matrix: Solid Lab File ID: WF703327.D
Analysis Method: 8081A Date Collected: 06/20/2012 15:10
Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
Sample wt/vol: 15.04(g) Date Analyzed: 06/25/2012 08:30
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 7.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	100		40-150
2051-24-3	DCB Decachlorobiphenyl	95		53-150

Data File: WF703327.D
Report Date: 26-Jun-2012 07:30

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703327.D
Lab Smp Id: 460-41546-D-21-I Client Smp ID: F-12
Inj Date : 25-JUN-2012 08:30
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-21-I
Misc Info : 460-41546-D-21-I
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
Meth Date : 26-Jun-2012 07:30 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WF703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.04000	Weight of sample extracted (g)
M	7.27969	% Moisture

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
2.323	2.323	0.000	159222	50.0331	36	80.00- 120.00	100.00		

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
9.857	9.853	0.004	111500	47.3458	34	80.00- 120.00	100.00		

Data File: WF703327.D

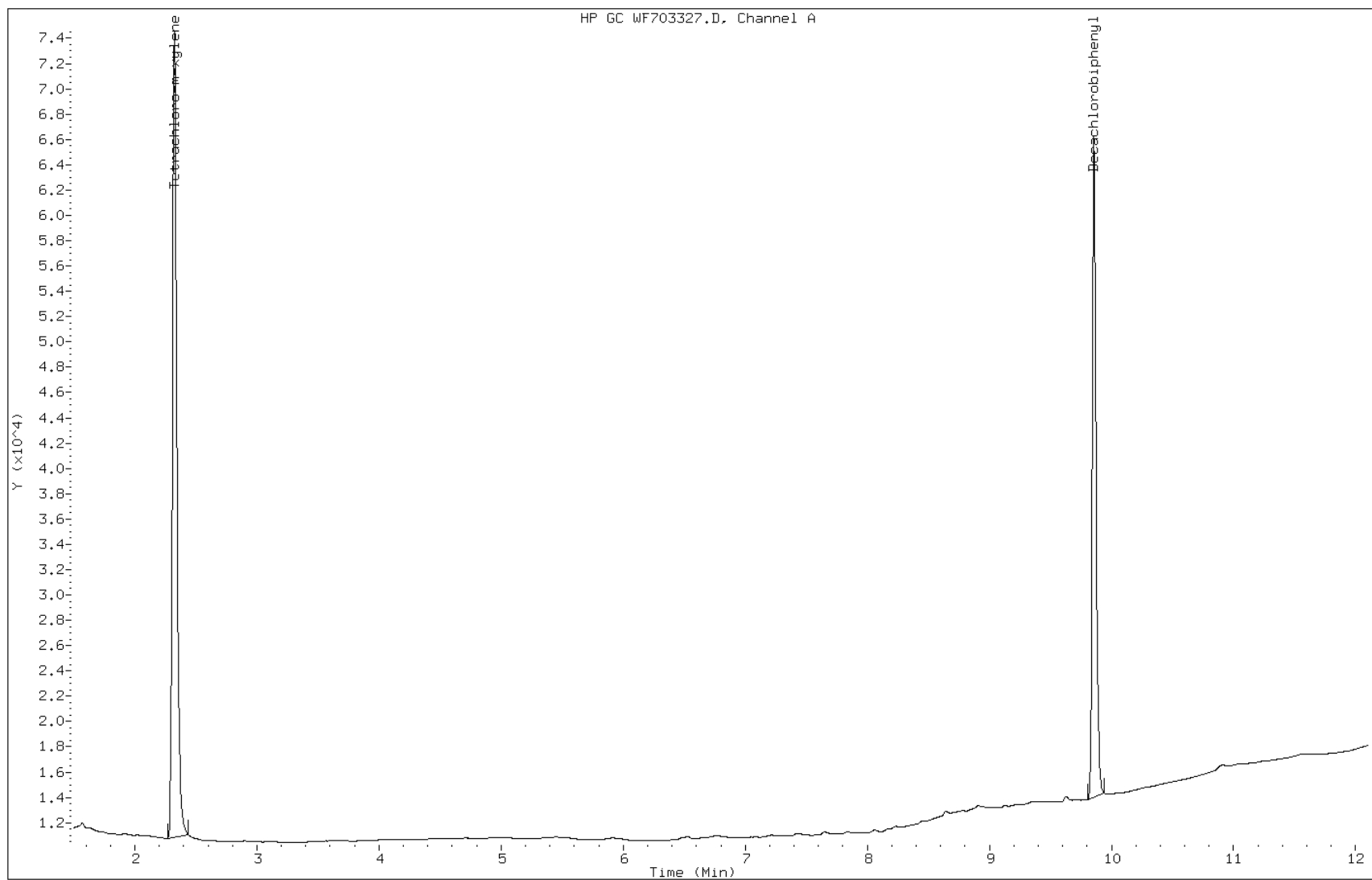
Date: 25-JUN-2012 08:30

Client ID: F-12

Instrument: PESTGC4.i

Sample Info: 460-41546-D-21-I

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-12 Lab Sample ID: 460-41546-21
 Matrix: Solid Lab File ID: WR703327.D
 Analysis Method: 8081A Date Collected: 06/20/2012 15:10
 Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
 Sample wt/vol: 15.04(g) Date Analyzed: 06/25/2012 08:30
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 7.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.6	U	7.2	1.6
319-84-6	alpha-BHC	1.3	U	7.2	1.3
319-85-7	beta-BHC	0.98	U	7.2	0.98
319-86-8	delta-BHC	1.1	U	7.2	1.1
58-89-9	gamma-BHC (Lindane)	0.84	U	7.2	0.84
57-74-9	Chlordane	16	U	72	16
72-54-8	4,4'-DDD	0.86	U	7.2	0.86
72-55-9	4,4'-DDE	1.4	U	7.2	1.4
50-29-3	4,4'-DDT	0.90	U	7.2	0.90
60-57-1	Dieldrin	1.4	U	7.2	1.4
959-98-8	Endosulfan I	1.5	U	7.2	1.5
33213-65-9	Endosulfan II	1.1	U	7.2	1.1
1031-07-8	Endosulfan sulfate	0.93	U	7.2	0.93
72-20-8	Endrin	1.0	U	7.2	1.0
7421-93-4	Endrin aldehyde	1.8	U	7.2	1.8
53494-70-5	Endrin ketone	1.1	U	7.2	1.1
76-44-8	Heptachlor	1.0	U	7.2	1.0
1024-57-3	Heptachlor epoxide	1.5	U	7.2	1.5
72-43-5	Methoxychlor	0.81	U	7.2	0.81
8001-35-2	Toxaphene	15	U	72	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		40-150
2051-24-3	DCB Decachlorobiphenyl	104		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703327.D
Lab Smp Id: 460-41546-D-21-I Client Smp ID: F-12
Inj Date : 25-JUN-2012 08:30
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-21-I
Misc Info : 460-41546-D-21-I
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WR703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.04000	Weight of sample extracted (g)
M	7.27969	% Moisture

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS							
		ON-COL	FINAL						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====		=====	
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
1.917	1.920	-0.003	156746	46.6448	33 80.00- 120.00	100.00			

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
8.937	8.940	-0.003	107703	51.7827	37 80.00- 120.00	100.00			

Data File: WR703327.D

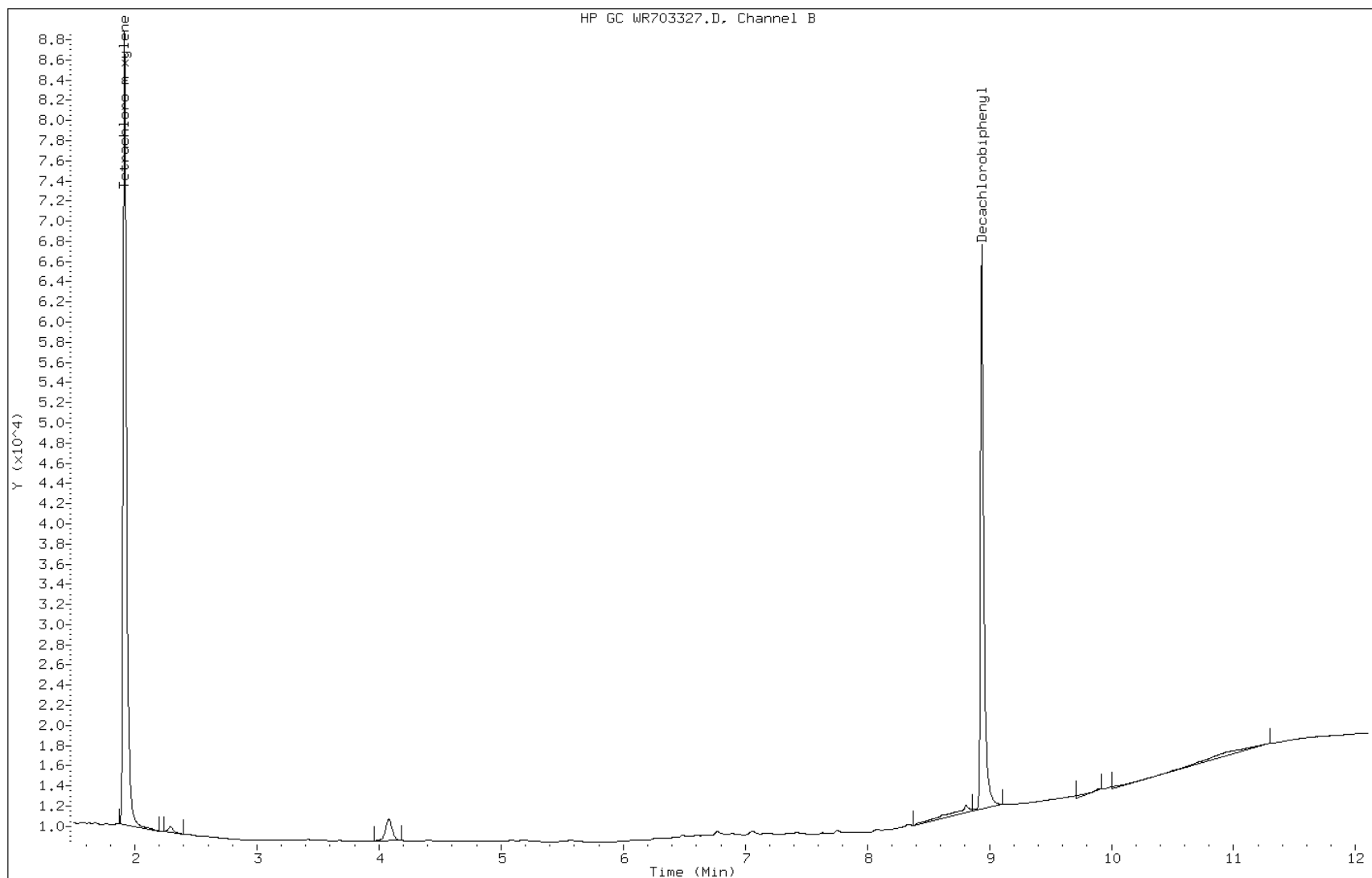
Date: 25-JUN-2012 08:30

Client ID: F-12

Instrument: PESTGC4.i

Sample Info: 460-41546-D-21-I

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-13 Lab Sample ID: 460-41546-22
Matrix: Solid Lab File ID: WF703332.D
Analysis Method: 8081A Date Collected: 06/20/2012 15:20
Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
Sample wt/vol: 15.03(g) Date Analyzed: 06/25/2012 09:40
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 10.0 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	102		40-150
2051-24-3	DCB Decachlorobiphenyl	97		53-150

Data File: WF703332.D
Report Date: 26-Jun-2012 11:19

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703332.D
Lab Smp Id: 460-41546-D-22-C Client Smp ID: F-13
Inj Date : 25-JUN-2012 09:40
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-22-C
Misc Info : 460-41546-D-22-C
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
Meth Date : 26-Jun-2012 07:31 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WF703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.03000	Weight of sample extracted (g)
M	10.03401	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/kg)		TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene					CAS #: 877-09-8				
2.327	2.333	-0.006	162446	51.0464	38	80.00-	120.00	100.00	
6 Chlordane					CAS #: 57-74-9				
4.670	4.633	0.037	5676	32.8007	24	80.00-	120.00	100.00(T)	
0.000	4.920	-4.920	0			107.55-	161.33	0.00	
5.913	5.880	0.033	7150	46.9739	35	70.37-	105.56	125.98	
6.750	6.727	0.023	104540	272.925	200	177.08-	265.62	1841.80	
6.837	6.823	0.014	27427	87.2296	64	145.36-	218.05	483.22	
6.897	6.877	0.020	33952	101.947	75	153.97-	230.95	598.18	
7.690	7.663	0.027	131543	2056.65	1500	29.57-	44.35	2317.54	
7.840	7.873	-0.033	18315	169.415	120	49.98-	74.97	322.68	
Average of Peak Concentrations =					290				

Data File: WF703332.D
 Report Date: 26-Jun-2012 11:19

			CONCENTRATIONS					
				ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
65	gamma-Chlordane				CAS #:	5103-74-2		
6.750	6.750	0.000	104540	35.3529	26	80.00-	120.00	100.00

66	alpha-Chlordane				CAS #:	5103-71-9		
6.897	6.903	-0.006	33952	12.3219	9.1	80.00-	120.00	100.00

8	4,4'-DDE				CAS #:	72-55-9		
7.057	7.063	-0.006	57979	21.3887	16	80.00-	120.00	100.00

10	Dieldrin				CAS #:	60-57-1		
7.273	7.263	0.010	36565	12.5409	9.3	80.00-	120.00	100.00

7	4,4'-DDD				CAS #:	72-54-8		
7.690	7.700	-0.010	131543	59.4812	44	80.00-	120.00	100.00

9	4,4'-DDT				CAS #:	50-29-3		
8.063	8.060	0.003	25709	11.4253	8.4	80.00-	120.00	100.00

\$ 30	Decachlorobiphenyl				CAS #:	2051-24-3		
9.853	9.857	-0.004	114743	48.7231	36	80.00-	120.00	100.00

QC Flag Legend

T - Target compound detected outside RT window.

Data File: WF703332.D

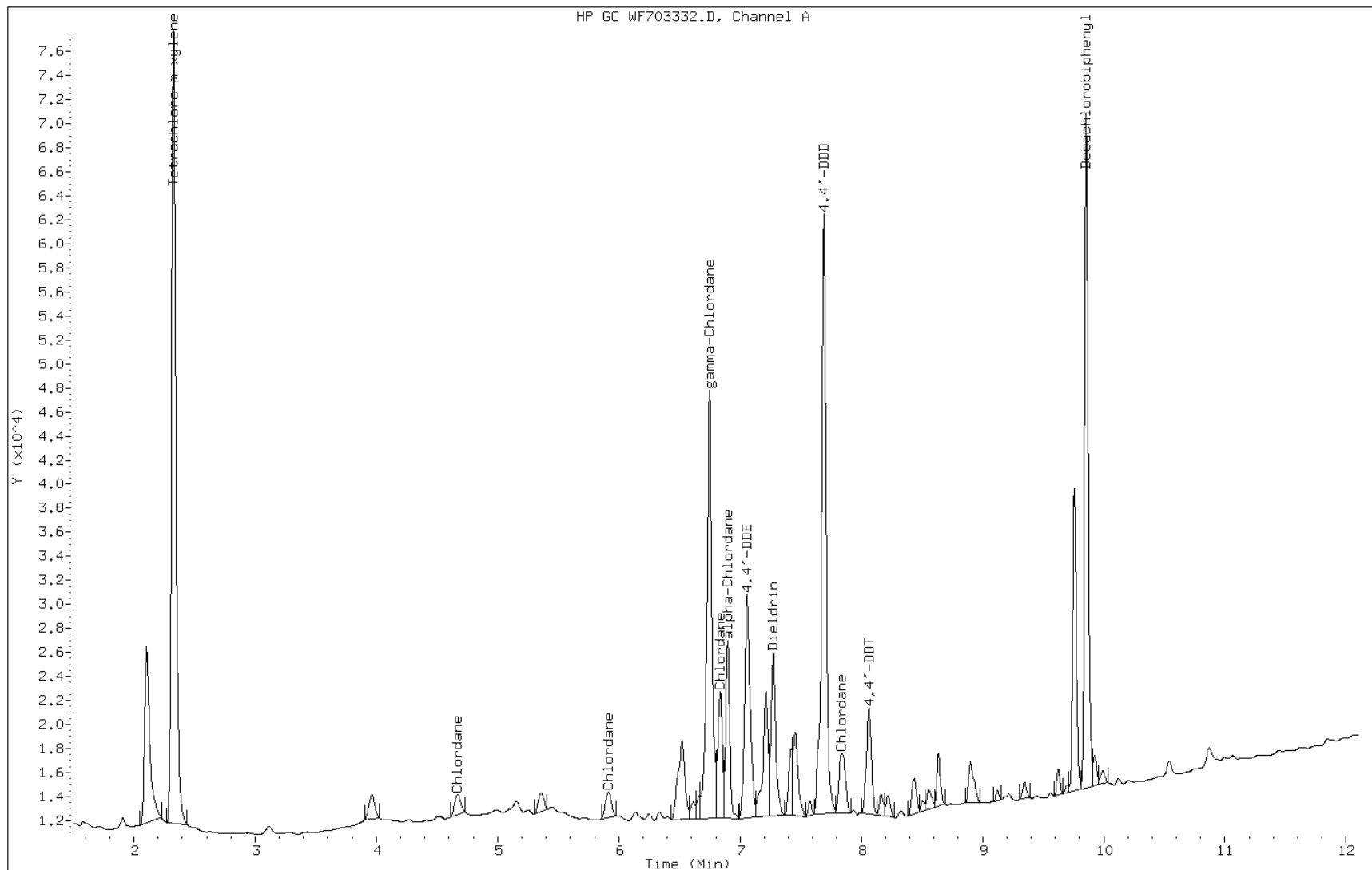
Date: 25-JUN-2012 09:40

Client ID: F-13

Instrument: PESTGC4.i

Sample Info: 460-41546-D-22-C

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-13</u>	Lab Sample ID: <u>460-41546-22</u>
Matrix: <u>Solid</u>	Lab File ID: <u>WR703332.D</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>06/20/2012 15:20</u>
Extraction Method: <u>3541</u>	Date Extracted: <u>06/22/2012 09:49</u>
Sample wt/vol: <u>15.03(g)</u>	Date Analyzed: <u>06/25/2012 09:40</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53(mm)</u>
% Moisture: <u>10.0</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117505</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.6	U	7.4	1.6
319-84-6	alpha-BHC	1.4	U	7.4	1.4
319-85-7	beta-BHC	1.0	U	7.4	1.0
319-86-8	delta-BHC	1.1	U	7.4	1.1
58-89-9	gamma-BHC (Lindane)	0.87	U	7.4	0.87
57-74-9	Chlordane	58	J p	74	16
72-54-8	4,4'-DDD	46		7.4	0.89
72-55-9	4,4'-DDE	17		7.4	1.4
50-29-3	4,4'-DDT	9.9		7.4	0.93
60-57-1	Dieldrin	4.7	J p	7.4	1.4
959-98-8	Endosulfan I	1.6	U	7.4	1.6
33213-65-9	Endosulfan II	1.1	U	7.4	1.1
1031-07-8	Endosulfan sulfate	0.95	U	7.4	0.95
72-20-8	Endrin	1.0	U	7.4	1.0
7421-93-4	Endrin aldehyde	1.9	U	7.4	1.9
53494-70-5	Endrin ketone	1.1	U	7.4	1.1
76-44-8	Heptachlor	1.1	U	7.4	1.1
1024-57-3	Heptachlor epoxide	1.5	U	7.4	1.5
72-43-5	Methoxychlor	0.83	U	7.4	0.83
8001-35-2	Toxaphene	16	U	74	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		40-150
2051-24-3	DCB Decachlorobiphenyl	101		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703332.D
Lab Smp Id: 460-41546-D-22-C Client Smp ID: F-13
Inj Date : 25-JUN-2012 09:40
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-22-C
Misc Info : 460-41546-D-22-C
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WR703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.03000	Weight of sample extracted (g)
M	10.03401	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE (ug/L)		(ug/kg)		TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene					CAS #: 877-09-8				
1.920	1.920	0.000	157266	46.7998	35	80.00-	120.00	100.00	
6 Chlordane					CAS #: 57-74-9				
3.653	3.617	0.036	11274	75.0684	56	80.00-	120.00	100.00	
3.793	3.763	0.030	9468	49.3470	36	102.20-	153.30	83.98	
4.587	4.560	0.027	9257	52.8530	39	93.29-	139.94	82.11	
5.347	5.310	0.037	4954	61.6095	46	42.84-	64.25	43.95	
5.717	5.683	0.034	52715	112.068	83	250.55-	375.83	467.56	
5.973	5.933	0.040	66992	93.9404	69	379.86-	569.78	594.19	
6.710	6.747	-0.037	3404	40.5629	30	44.70-	67.05	30.19	
6.867	6.873	-0.006	18724	142.310	100	70.09-	105.13	166.08	
Average of Peak Concentrations =					58				

CONCENTRATIONS									
RT	EXP RT	DLT RT	ON-COL		FINAL		TARGET RANGE	RATIO	
			RESPONSE	(ug/L)	(ug/kg)				
==	=====	=====	=====	=====	=====		=====	=====	
65	gamma-Chlordane								
	CAS #: 5103-74-2								
5.717	5.733	-0.016	52715	15.2288	11	80.00-	120.00	100.00	

66	alpha-Chlordane								
	CAS #: 5103-71-9								
5.973	5.990	-0.017	66992	20.2860	15	80.00-	120.00	100.00	

8	4,4'-DDE								
	CAS #: 72-55-9								
6.100	6.113	-0.013	65121	23.0931	17	80.00-	120.00	100.00	

10	Dieldrin								
	CAS #: 60-57-1								
6.487	6.497	-0.010	18584	6.34340	4.7	80.00-	120.00	100.00	

7	4,4'-DDD								
	CAS #: 72-54-8								
6.790	6.800	-0.010	140707	61.5963	46	80.00-	120.00	100.00	

9	4,4'-DDT								
	CAS #: 50-29-3								
7.047	7.077	-0.030	32499	13.3550	9.9	80.00-	120.00	100.00	

\$ 30	Decachlorobiphenyl								
	CAS #: 2051-24-3								
8.937	8.940	-0.003	104998	50.4824	37	80.00-	120.00	100.00	

Data File: WR703332.D

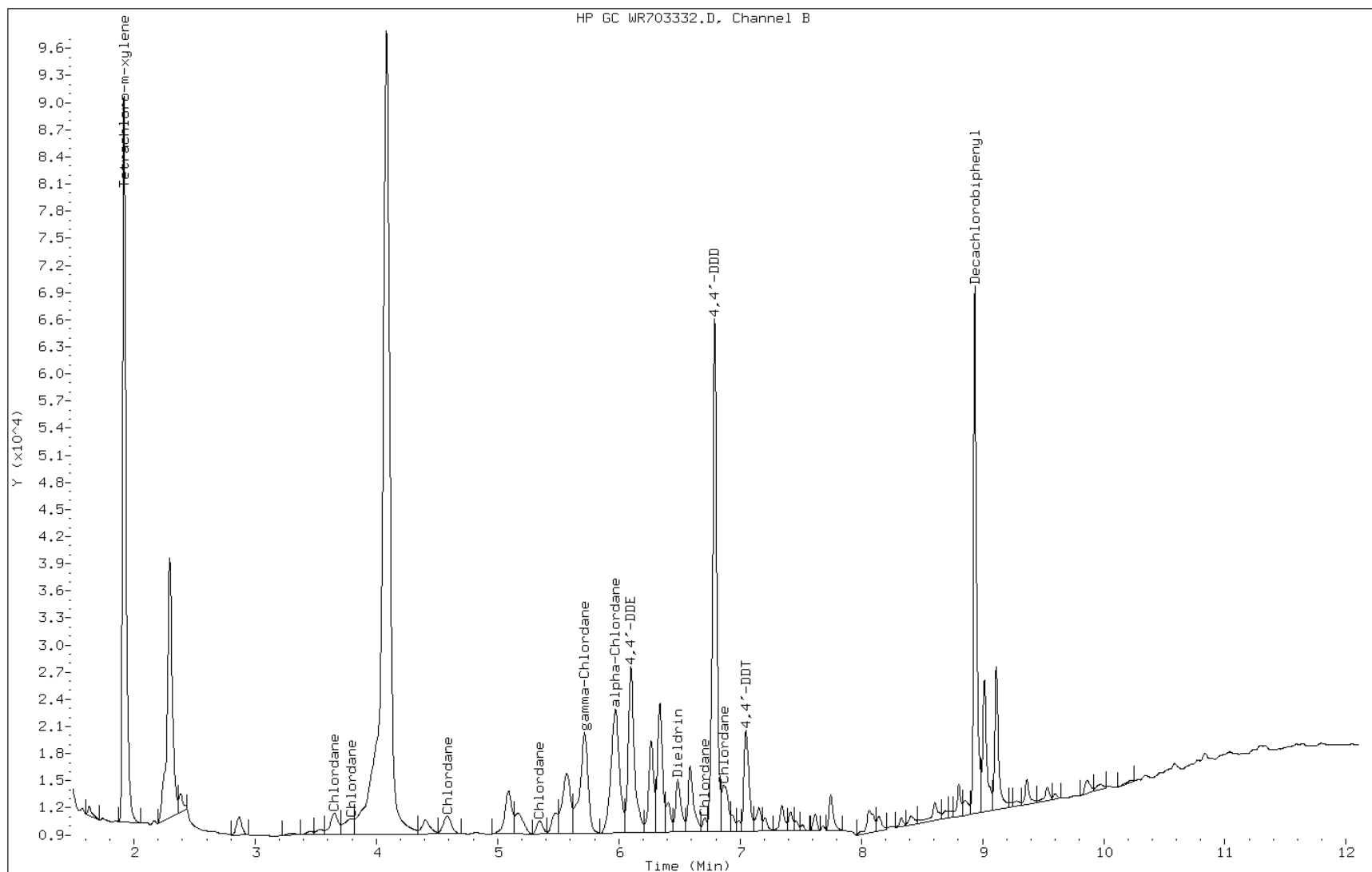
Date: 25-JUN-2012 09:40

Client ID: F-13

Instrument: PESTGC4.i

Sample Info: 460-41546-D-22-C

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: FB-E Lab Sample ID: 460-41546-23
Matrix: Solid Lab File ID: WF703333.D
Analysis Method: 8081A Date Collected: 06/20/2012 00:00
Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
Sample wt/vol: 15.01(g) Date Analyzed: 06/25/2012 09:54
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 11.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		40-150
2051-24-3	DCB Decachlorobiphenyl	93		53-150

Data File: WF703333.D
 Report Date: 26-Jun-2012 11:20

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703333.D
 Lab Smp Id: 460-41546-D-23-C Client Smp ID: FB-E
 Inj Date : 25-JUN-2012 09:54
 Operator : Inst ID: PESTGC4.i
 Smp Info : 460-41546-D-23-C
 Misc Info : 460-41546-D-23-C
 Comment :
 Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
 Meth Date : 26-Jun-2012 07:31 ferdie Quant Type: ESTD
 Cal Date : 21-JUN-2012 08:24 Cal File: WF703230.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Allpest.sub
 Target Version: 3.50 Sample Matrix: SOLID
 Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.01000	Weight of sample extracted (g)
M	11.85468	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
		ON-COL		FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8						
2.327	2.333	-0.006	166570 52.3422	40	80.00- 120.00	100.00

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3						
9.857	9.857	0.000	109517 46.5041	35	80.00- 120.00	100.00

Data File: WF703333.D

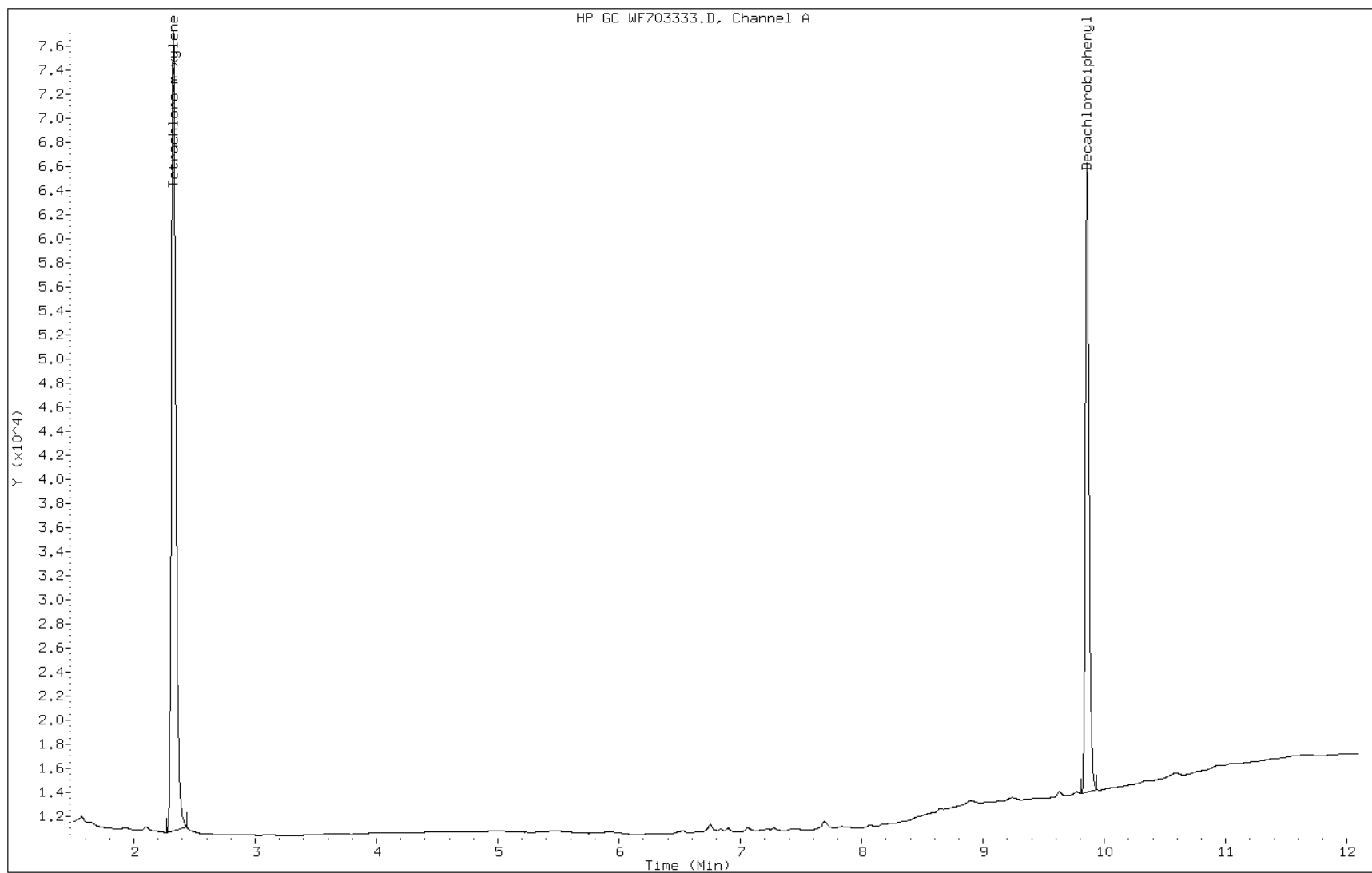
Date: 25-JUN-2012 09:54

Client ID: FB-E

Instrument: PESTGC4.i

Sample Info: 460-41546-D-23-C

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: FB-E Lab Sample ID: 460-41546-23
 Matrix: Solid Lab File ID: WR703333.D
 Analysis Method: 8081A Date Collected: 06/20/2012 00:00
 Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
 Sample wt/vol: 15.01(g) Date Analyzed: 06/25/2012 09:54
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 11.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.7	U	7.6	1.7
319-84-6	alpha-BHC	1.4	U	7.6	1.4
319-85-7	beta-BHC	1.0	U	7.6	1.0
319-86-8	delta-BHC	1.2	U	7.6	1.2
58-89-9	gamma-BHC (Lindane)	0.88	U	7.6	0.88
57-74-9	Chlordane	16	U	76	16
72-54-8	4,4'-DDD	0.91	U	7.6	0.91
72-55-9	4,4'-DDE	1.5	U	7.6	1.5
50-29-3	4,4'-DDT	0.95	U	7.6	0.95
60-57-1	Dieldrin	1.5	U	7.6	1.5
959-98-8	Endosulfan I	1.6	U	7.6	1.6
33213-65-9	Endosulfan II	1.1	U	7.6	1.1
1031-07-8	Endosulfan sulfate	0.98	U	7.6	0.98
72-20-8	Endrin	1.1	U	7.6	1.1
7421-93-4	Endrin aldehyde	1.9	U	7.6	1.9
53494-70-5	Endrin ketone	1.1	U	7.6	1.1
76-44-8	Heptachlor	1.1	U	7.6	1.1
1024-57-3	Heptachlor epoxide	1.5	U	7.6	1.5
72-43-5	Methoxychlor	0.85	U	7.6	0.85
8001-35-2	Toxaphene	16	U	76	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	97		40-150
2051-24-3	DCB Decachlorobiphenyl	102		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703333.D
Lab Smp Id: 460-41546-D-23-C Client Smp ID: FB-E
Inj Date : 25-JUN-2012 09:54
Operator : Inst ID: PESTGC4.i
Smp Info : 460-41546-D-23-C
Misc Info : 460-41546-D-23-C
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WR703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Allpest.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.01000	Weight of sample extracted (g)
M	11.85468	% Moisture

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS							
		ON-COL	FINAL						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====		=====	
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
1.917	1.920	-0.003	163445	48.6384	37	80.00-	120.00	100.00	

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
8.937	8.940	-0.003	106048	50.9870	38	80.00-	120.00	100.00	

Data File: WR703333.D

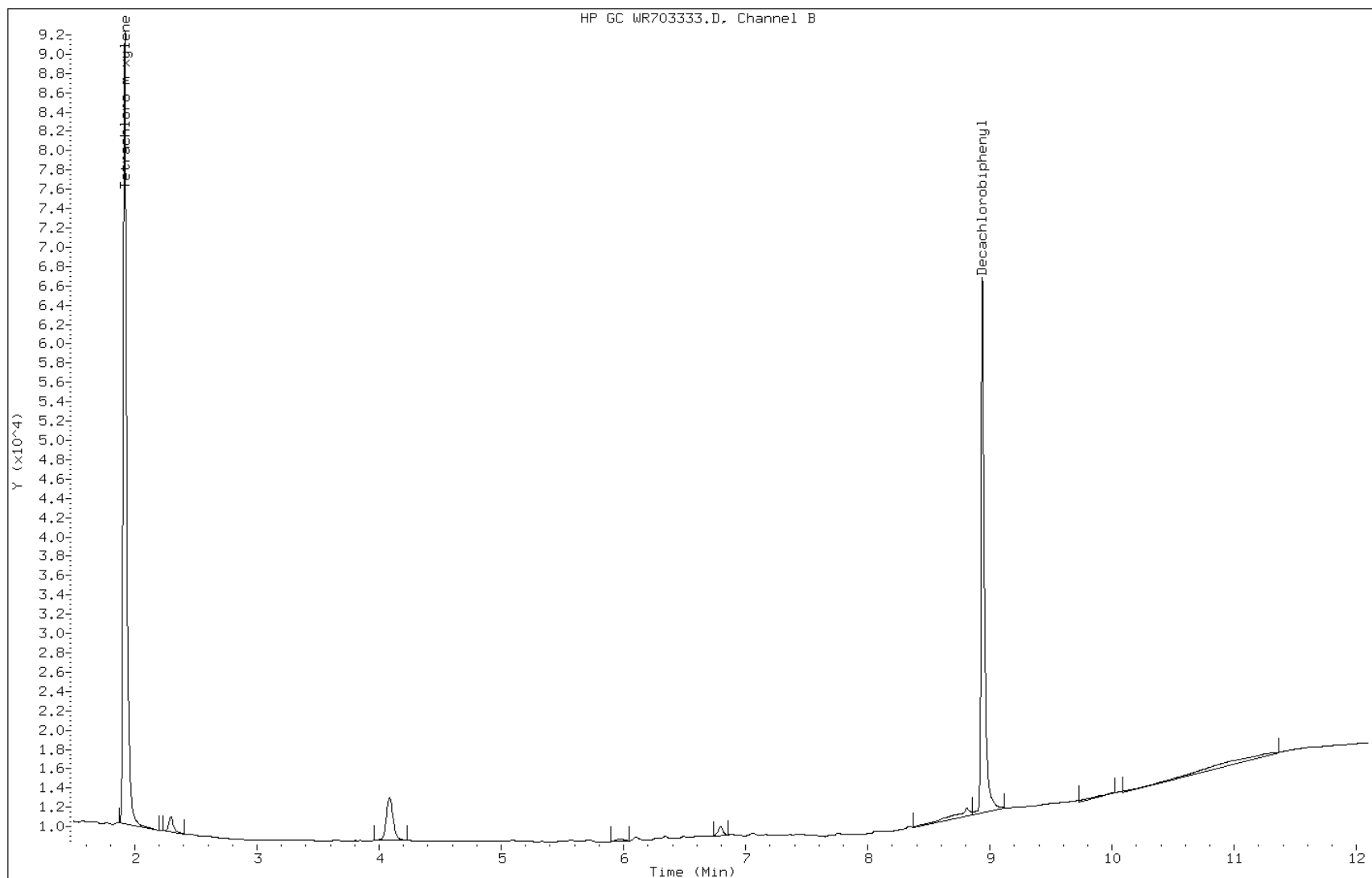
Date: 25-JUN-2012 09:54

Client ID: FB-E

Instrument: PESTGC4.i

Sample Info: 460-41546-D-23-C

Operator:



FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 07:00 Calibration End Date: 06/21/2012 07:56 Calibration ID: 16120

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/6	WF703225.D
Level 2	IC 460-116941/7	WF703226.D
Level 3	IC 460-116941/5	WF703224.D
Level 4	IC 460-116941/8	WF703227.D
Level 5	IC 460-116941/9	WF703228.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
alpha-BHC	3.343	3.343	3.343	3.340	3.353						3.293 - 3.393	3.345
gamma-BHC (Lindane)	4.040	4.043	4.043	4.037	4.050						3.993 - 4.093	4.043
beta-BHC	4.187	4.190	4.190	4.187	4.200						4.140 - 4.240	4.191
delta-BHC	4.760	4.763	4.763	4.760	4.773						4.713 - 4.813	4.764
Heptachlor	4.910	4.913	4.913	4.910	4.923						4.863 - 4.963	4.914
Aldrin	5.577	5.577	5.580	5.573	5.587						5.530 - 5.630	5.579
Heptachlor epoxide	6.520	6.520	6.520	6.517	6.523						6.450 - 6.590	6.520
gamma-Chlordane	6.727	6.727	6.727	6.723	6.727						6.657 - 6.797	6.726
alpha-Chlordane	6.877	6.877	6.877	6.877	6.880						6.807 - 6.947	6.877
Endosulfan I	6.943	6.947	6.947	6.943	6.947						6.877 - 7.017	6.945
4,4'-DDE	7.037	7.037	7.037	7.033	7.037						6.967 - 7.107	7.036
Dieldrin	7.237	7.237	7.240	7.237	7.240						7.170 - 7.310	7.238
Endrin	7.580	7.580	7.580	7.577	7.580						7.510 - 7.650	7.579
4,4'-DDD	7.673	7.673	7.673	7.670	7.673						7.603 - 7.743	7.673
Endosulfan II	7.813	7.817	7.813	7.813	7.813						7.743 - 7.883	7.814
4,4'-DDT	8.037	8.037	8.037	8.033	8.037						7.967 - 8.107	8.036
Endrin aldehyde	8.193	8.193	8.193	8.190	8.193						8.123 - 8.263	8.193
Endosulfan sulfate	8.450	8.450	8.450	8.447	8.450						8.380 - 8.520	8.449
Methoxychlor	8.657	8.657	8.653	8.653	8.653						8.583 - 8.723	8.655
Endrin ketone	8.853	8.853	8.853	8.850	8.850						8.783 - 8.923	8.852
Tetrachloro-m-xylene	2.303	2.303	2.303	2.300	2.307						2.253 - 2.353	2.303
DCB Decachlorobiphenyl	9.847	9.847	9.847	9.847	9.847						9.747 - 9.947	9.847

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 07:00 Calibration End Date: 06/21/2012 07:56 Calibration ID: 16120

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/6	WF703225.D
Level 2	IC 460-116941/7	WF703226.D
Level 3	IC 460-116941/5	WF703224.D
Level 4	IC 460-116941/8	WF703227.D
Level 5	IC 460-116941/9	WF703228.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	4383.3 4254.4	4867.2	4428.0	4433.0	Ave		4473.16800				5.2		20.0			
gamma-BHC (Lindane)	4169.9 3899.5	4539.4	4095.3	4073.7	Ave		4155.55760				5.7		20.0			
beta-BHC	2021.5 1832.3	2182.6	1938.5	1926.2	Ave		1980.22800				6.6		20.0			
delta-BHC	3608.4 3732.5	4111.1	3832.2	3887.7	Ave		3834.36400				4.9		20.0			
Heptachlor	4558.4 3870.7	4659.9	4192.2	4107.9	Ave		4277.80320				7.6		20.0			
Aldrin	4009.5 3761.7	4359.4	3941.2	3970.8	Ave		4008.51720				5.4		20.0			
Heptachlor epoxide	3352.5 2789.6	3343.0	2950.5	2939.4	Ave		3075.00240				8.4		20.0			
gamma-Chlordane	3161.7 2744.8	3197.7	2831.9	2849.2	Ave		2957.05480				7.0		20.0			
alpha-Chlordane	3002.0 2541.0	2979.7	2628.9	2625.9	Ave		2755.49240				7.9		20.0			
Endosulfan I	2860.2 2588.7	3018.4	2685.7	2701.5	Ave		2770.88920				6.1		20.0			
4,4'-DDE	2386.4 2683.4	2998.5	2709.6	2775.9	Ave		2710.77120				8.1		20.0			
Dieldrin	2929.2 2780.1	3151.2	2835.5	2882.8	Ave		2915.74440				4.9		20.0			
Endrin	2528.9 2384.6	2679.1	2430.1	2472.1	Ave		2498.95680				4.6		20.0			
4,4'-DDD	2026.6 2218.8	2352.9	2184.5	2274.8	Ave		2211.51640				5.5		20.0			
Endosulfan II	2637.3 2387.9	2767.7	2476.6	2494.3	Ave		2552.76400				5.9		20.0			

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 07:00 Calibration End Date: 06/21/2012 07:56 Calibration ID: 16120

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	2026.7 2281.5	2388.0	2225.2	2329.7	Ave		2250.21280				6.2		20.0			
Endrin aldehyde	2008.7 1771.6	2024.9	1849.7	1832.2	Ave		1897.42640				6.0		20.0			
Endosulfan sulfate	1899.8 1817.9	1997.5	1865.2	1866.8	Ave		1889.43240				3.6		20.0			
Methoxychlor	1016.0 1048.2	1111.8	1039.5	1070.0	Ave		1057.10280				3.4		20.0			
Endrin ketone	2232.8 2039.0	2242.4	2102.2	2076.6	Ave		2138.59680				4.4		20.0			
Tetrachloro-m-xylene	3398.4 3025.6	3296.5	3073.6	3117.5	Ave		3182.33400				5.0		20.0			
DCB Decachlorobiphenyl	2570.6 2216.4	2473.4	2268.9	2245.6	Ave		2355.01233				6.7		20.0			

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 07:00 Calibration End Date: 06/21/2012 07:56 Calibration ID: 16120

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/6	WF703225.D
Level 2	IC 460-116941/7	WF703226.D
Level 3	IC 460-116941/5	WF703224.D
Level 4	IC 460-116941/8	WF703227.D
Level 5	IC 460-116941/9	WF703228.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	43833	243358	442799	1108257	2127181	10.0	50.0	100	250	500
gamma-BHC (Lindane)	Ave	41699	226970	409533	1018413	1949753	10.0	50.0	100	250	500
beta-BHC	Ave	20215	109131	193846	481561	916158	10.0	50.0	100	250	500
delta-BHC	Ave	36084	205555	383216	971922	1866236	10.0	50.0	100	250	500
Heptachlor	Ave	45584	232994	419216	1026970	1935348	10.0	50.0	100	250	500
Aldrin	Ave	40095	217972	394117	992705	1880828	10.0	50.0	100	250	500
Heptachlor epoxide	Ave	33525	167151	295054	734843	1394790	10.0	50.0	100	250	500
gamma-Chlordane	Ave	31617	159885	283187	712307	1372388	10.0	50.0	100	250	500
alpha-Chlordane	Ave	30020	148984	262890	656481	1270479	10.0	50.0	100	250	500
Endosulfan I	Ave	28602	150920	268566	675383	1294327	10.0	50.0	100	250	500
4,4'-DDE	Ave	23864	149925	270961	693985	1341703	10.0	50.0	100	250	500
Dieldrin	Ave	29292	157558	283546	720701	1390049	10.0	50.0	100	250	500
Endrin	Ave	25289	133955	243010	618032	1192278	10.0	50.0	100	250	500
4,4'-DDD	Ave	20266	117643	218453	568694	1109408	10.0	50.0	100	250	500
Endosulfan II	Ave	26373	138384	247661	623580	1193955	10.0	50.0	100	250	500
4,4'-DDT	Ave	20267	119402	222515	582428	1140731	10.0	50.0	100	250	500
Endrin aldehyde	Ave	20087	101246	184973	458039	885813	10.0	50.0	100	250	500
Endosulfan sulfate	Ave	18998	99877	186519	466692	908932	10.0	50.0	100	250	500
Methoxychlor	Ave	10160	55590	103949	267506	524100	10.0	50.0	100	250	500
Endrin ketone	Ave	22328	112118	210223	519151	1019495	10.0	50.0	100	250	500
Tetrachloro-m-xylene	Ave	84961	164826	307364	467622	605118	25.0	50.0	100	150	200
DCB Decachlorobiphenyl	Ave	64266	123671	226893	336847	443285	25.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/WF703224.D
Lab Smp Id: SGPESTL3_00013
Inj Date : 21-JUN-2012 07:00
Operator :
Smp Info : SGPESTL3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/08Wf8081.m
Meth Date : 21-Jun-2012 09:36 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WF703230.D
Calibration Sample, Level: 3
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
2.303	2.303	0.000	307364	100.000	96	80.00- 120.00	100.00	

2 alpha-BHC					CAS #:	319-84-6		
3.343	3.343	0.000	442799	100.000	99	80.00- 120.00	100.00	

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
4.043	4.043	0.000	409533	100.000	98	80.00- 120.00	100.00	

3 beta-BHC					CAS #:	319-85-7		
4.190	4.190	0.000	193846	100.000	98	80.00- 120.00	100.00	

4 delta-BHC					CAS #:	319-86-8		
4.763	4.763	0.000	383216	100.000	100	80.00- 120.00	100.00	

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17 Heptachlor								
4.913	4.913	0.000	419216	100.000	98	80.00-	120.00	100.00
CAS #: 76-44-8								

1 Aldrin								
5.580	5.580	0.000	394117	100.000	98	80.00-	120.00	100.00
CAS #: 309-00-2								

18 Heptachlor epoxide								
6.520	6.520	0.000	295054	100.000	96	80.00-	120.00	100.00
CAS #: 1024-57-3								

65 gamma-Chlordane								
6.727	6.727	0.000	283187	100.000	96	80.00-	120.00	100.00
CAS #: 5103-74-2								

66 alpha-Chlordane								
6.877	6.877	0.000	262890	100.000	95	80.00-	120.00	100.00
CAS #: 5103-71-9								

11 Endosulfan I								
6.947	6.947	0.000	268566	100.000	97	80.00-	120.00	100.00
CAS #: 959-98-8								

8 4,4'-DDE								
7.037	7.037	0.000	270961	100.000	100	80.00-	120.00	100.00
CAS #: 72-55-9								

10 Dieldrin								
7.240	7.240	0.000	283546	100.000	97	80.00-	120.00	100.00
CAS #: 60-57-1								

14 Endrin								
7.580	7.580	0.000	243010	100.000	97	80.00-	120.00	100.00
CAS #: 72-20-8								

7 4,4'-DDD								
7.673	7.673	0.000	218453	100.000	99	80.00-	120.00	100.00
CAS #: 72-54-8								

12 Endosulfan II								
7.813	7.813	0.000	247661	100.000	97	80.00-	120.00	100.00
CAS #: 33213-65-9								

9 4,4'-DDT								
8.037	8.037	0.000	222515	100.000	99	80.00-	120.00	100.00
CAS #: 50-29-3								

15 Endrin aldehyde								
8.193	8.193	0.000	184973	100.000	97	80.00-	120.00	100.00
CAS #: 7421-93-4								

13 Endosulfan sulfate								
8.450	8.450	0.000	186519	100.000	99	80.00-	120.00	100.00
CAS #: 1031-07-8								

19 Methoxychlor								
8.653	8.653	0.000	103949	100.000	98	80.00-	120.00	100.00
CAS #: 72-43-5								

16 Endrin ketone								
8.853	8.853	0.000	210223	100.000	98	80.00-	120.00	100.00
CAS #: 53494-70-5								

AMOUNTS						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE
==	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)			CAS #: 2051-24-3			
9.847	9.847	0.000	226893	100.000	96	80.00- 120.00
100.00						

Data File: WF703224.D

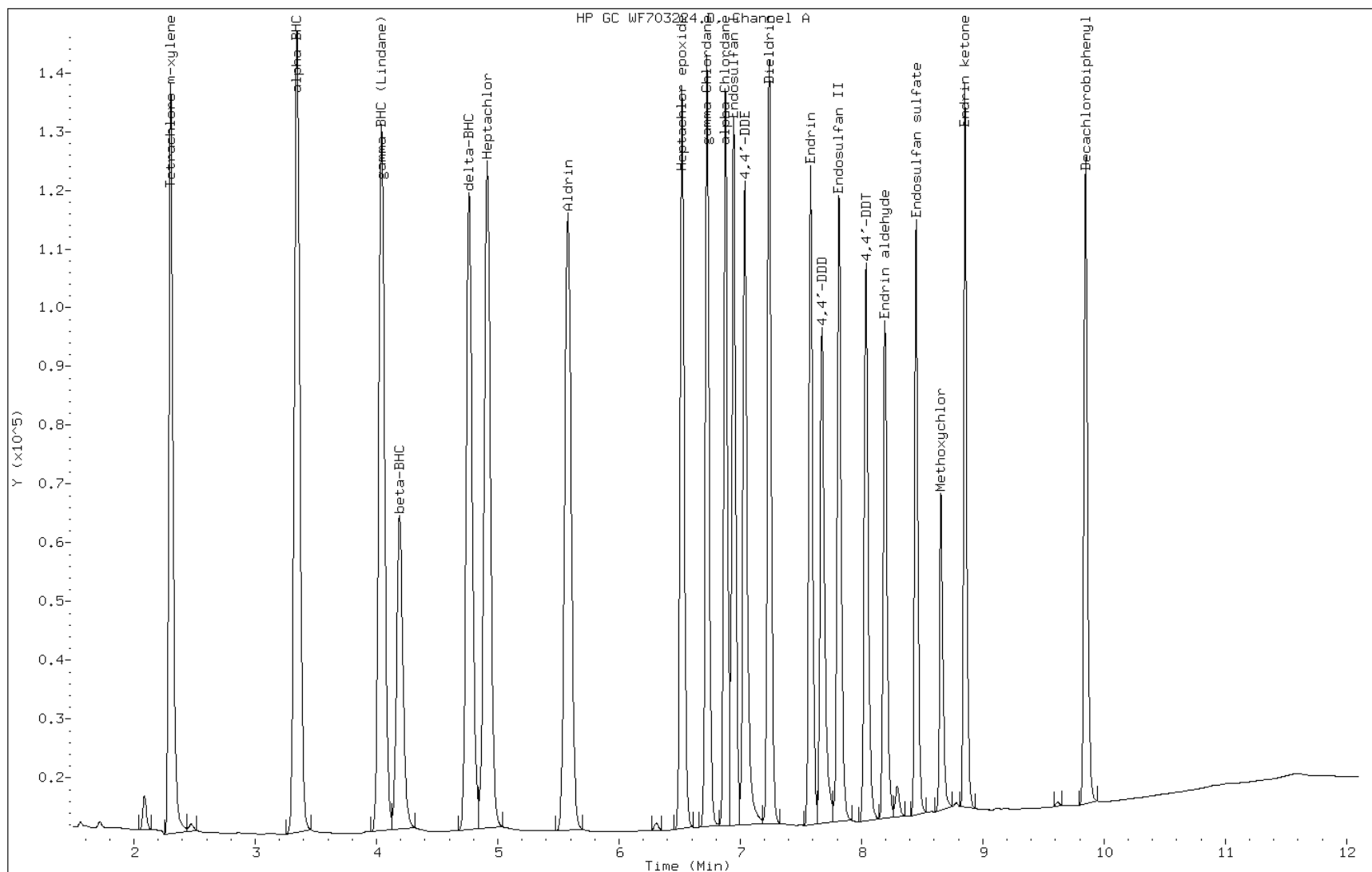
Date: 21-JUN-2012 07:00

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3_00013

Operator:



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/WF703225.D
Lab Smp Id: SGPESTL1_00015
Inj Date : 21-JUN-2012 07:14
Operator :
Smp Info : SGPESTL1_00015
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/08Wf8081.m
Meth Date : 21-Jun-2012 09:36 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WF703230.D
Calibration Sample, Level: 1
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	CAL-AMT		ON-COL	TARGET RANGE		RATIO	
==	=====	=====	RESPONSE	(ug/L)	(ug/L)	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)									
2.303	2.303	0.000	84961	25.0000	27	80.00-	120.00	100.00	
2 alpha-BHC									
3.343	3.343	0.000	43833	10.0000	9.8	80.00-	120.00	100.00	
5 gamma-BHC (Lindane)									
4.040	4.043	-0.003	41699	10.0000	10	80.00-	120.00	100.00	
3 beta-BHC									
4.187	4.190	-0.003	20215	10.0000	10	80.00-	120.00	100.00	
4 delta-BHC									
4.760	4.763	-0.003	36084	10.0000	9.4	80.00-	120.00	100.00	

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17 Heptachlor								
4.910	4.913	-0.003	45584	10.0000	11	80.00-	120.00	100.00
CAS #: 76-44-8								

1 Aldrin								
5.577	5.580	-0.003	40095	10.0000	10	80.00-	120.00	100.00
CAS #: 309-00-2								

18 Heptachlor epoxide								
6.520	6.520	0.000	33525	10.0000	11	80.00-	120.00	100.00
CAS #: 1024-57-3								

65 gamma-Chlordane								
6.727	6.727	0.000	31617	10.0000	11	80.00-	120.00	100.00
CAS #: 5103-74-2								

66 alpha-Chlordane								
6.877	6.877	0.000	30020	10.0000	11	80.00-	120.00	100.00
CAS #: 5103-71-9								

11 Endosulfan I								
6.943	6.947	-0.004	28602	10.0000	10	80.00-	120.00	100.00
CAS #: 959-98-8								

8 4,4'-DDE								
7.037	7.037	0.000	23864	10.0000	8.8	80.00-	120.00	100.00
CAS #: 72-55-9								

10 Dieldrin								
7.237	7.240	-0.003	29292	10.0000	10	80.00-	120.00	100.00
CAS #: 60-57-1								

14 Endrin								
7.580	7.580	0.000	25289	10.0000	10	80.00-	120.00	100.00
CAS #: 72-20-8								

7 4,4'-DDD								
7.673	7.673	0.000	20266	10.0000	9.2	80.00-	120.00	100.00
CAS #: 72-54-8								

12 Endosulfan II								
7.813	7.813	0.000	26373	10.0000	10	80.00-	120.00	100.00
CAS #: 33213-65-9								

9 4,4'-DDT								
8.037	8.037	0.000	20267	10.0000	9.0	80.00-	120.00	100.00
CAS #: 50-29-3								

15 Endrin aldehyde								
8.193	8.193	0.000	20087	10.0000	10	80.00-	120.00	100.00
CAS #: 7421-93-4								

13 Endosulfan sulfate								
8.450	8.450	0.000	18998	10.0000	10	80.00-	120.00	100.00
CAS #: 1031-07-8								

19 Methoxychlor								
8.657	8.653	0.004	10160	10.0000	9.6	80.00-	120.00	100.00
CAS #: 72-43-5								

16 Endrin ketone								
8.853	8.853	0.000	22328	10.0000	10	80.00-	120.00	100.00
CAS #: 53494-70-5								

		AMOUNTS									
		CAL-AMT		ON-COL							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO					
==	=====	=====	=====	=====	=====	=====					
\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3						
9.847	9.847	0.000	64266	25.0000	27 80.00- 120.00	100.00					

Data File: WF703225.D

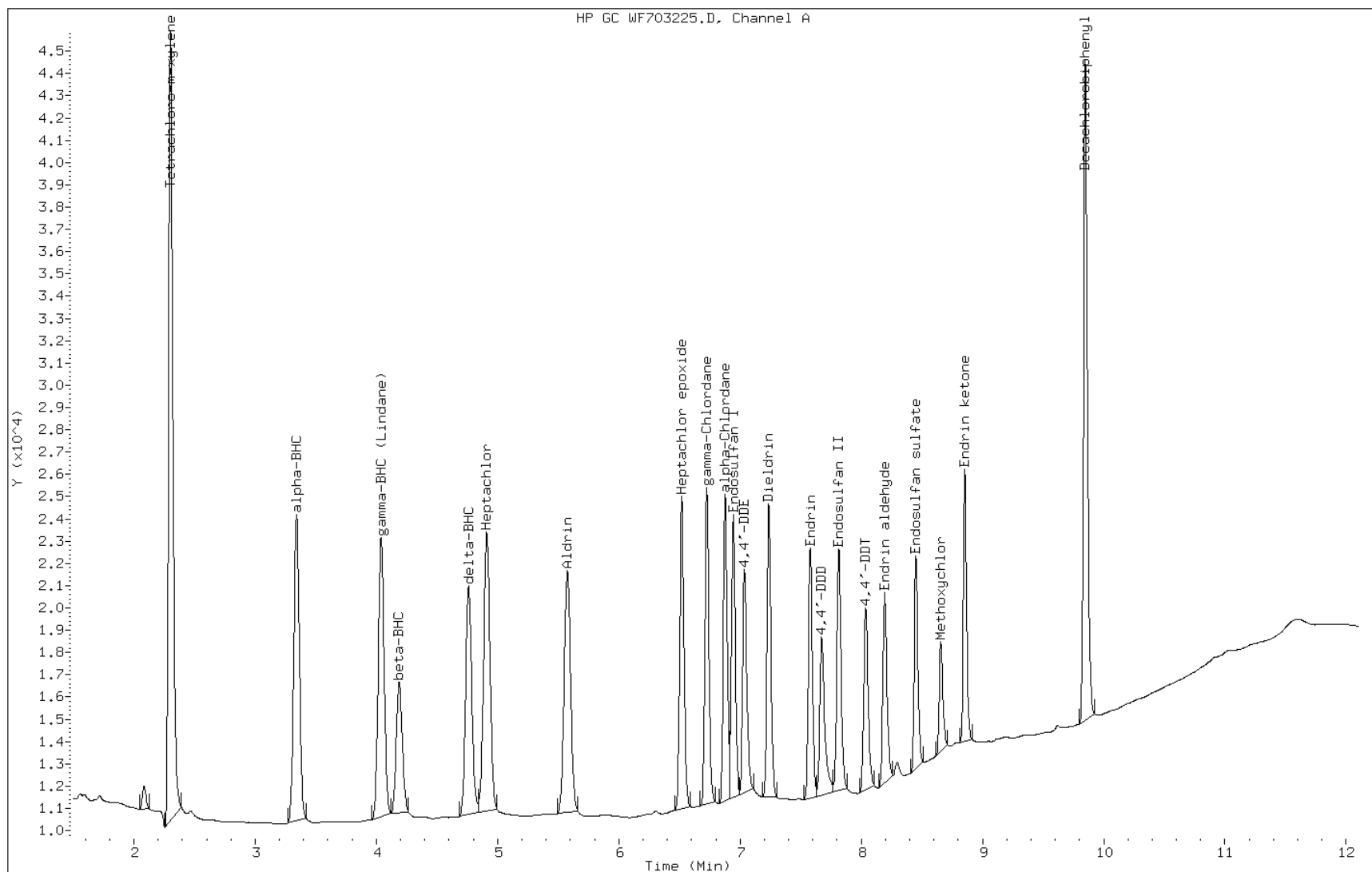
Date: 21-JUN-2012 07:14

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL1_00015

Operator:



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/WF703226.D
Lab Smp Id: SGPESTL2_00012
Inj Date : 21-JUN-2012 07:28
Operator :
Smp Info : SGPESTL2_00012
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/08Wf8081.m
Meth Date : 21-Jun-2012 09:36 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WF703230.D
Calibration Sample, Level: 2
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	CAL-AMT		ON-COL		TARGET RANGE		RATIO
==	=====	=====	RESPONSE	(ug/L)	(ug/L)		=====		=====
\$ 28 Tetrachloro-m-xylene(surr)									
						CAS #:			
2.303	2.303	0.000	164826	50.0000	52	80.00-	120.00	100.00	

2 alpha-BHC									
						CAS #:			
3.343	3.343	0.000	243358	50.0000	54	80.00-	120.00	100.00	

5 gamma-BHC (Lindane)									
						CAS #:			
4.043	4.043	0.000	226970	50.0000	55	80.00-	120.00	100.00	

3 beta-BHC									
						CAS #:			
4.190	4.190	0.000	109131	50.0000	55	80.00-	120.00	100.00	

4 delta-BHC									
						CAS #:			
4.763	4.763	0.000	205555	50.0000	54	80.00-	120.00	100.00	

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17 Heptachlor								
4.913	4.913	0.000	232994	50.0000	54	80.00-	120.00	100.00
CAS #: 76-44-8								

1 Aldrin								
5.577	5.580	-0.003	217972	50.0000	54	80.00-	120.00	100.00
CAS #: 309-00-2								

18 Heptachlor epoxide								
6.520	6.520	0.000	167151	50.0000	54	80.00-	120.00	100.00
CAS #: 1024-57-3								

65 gamma-Chlordane								
6.727	6.727	0.000	159885	50.0000	54	80.00-	120.00	100.00
CAS #: 5103-74-2								

66 alpha-Chlordane								
6.877	6.877	0.000	148984	50.0000	54	80.00-	120.00	100.00
CAS #: 5103-71-9								

11 Endosulfan I								
6.947	6.947	0.000	150920	50.0000	54	80.00-	120.00	100.00
CAS #: 959-98-8								

8 4,4'-DDE								
7.037	7.037	0.000	149925	50.0000	55	80.00-	120.00	100.00
CAS #: 72-55-9								

10 Dieldrin								
7.237	7.240	-0.003	157558	50.0000	54	80.00-	120.00	100.00
CAS #: 60-57-1								

14 Endrin								
7.580	7.580	0.000	133955	50.0000	54	80.00-	120.00	100.00
CAS #: 72-20-8								

7 4,4'-DDD								
7.673	7.673	0.000	117643	50.0000	53	80.00-	120.00	100.00
CAS #: 72-54-8								

12 Endosulfan II								
7.817	7.813	0.004	138384	50.0000	54	80.00-	120.00	100.00
CAS #: 33213-65-9								

9 4,4'-DDT								
8.037	8.037	0.000	119402	50.0000	53	80.00-	120.00	100.00
CAS #: 50-29-3								

15 Endrin aldehyde								
8.193	8.193	0.000	101246	50.0000	53	80.00-	120.00	100.00
CAS #: 7421-93-4								

13 Endosulfan sulfate								
8.450	8.450	0.000	99877	50.0000	53	80.00-	120.00	100.00
CAS #: 1031-07-8								

19 Methoxychlor								
8.657	8.653	0.004	55590	50.0000	52	80.00-	120.00	100.00
CAS #: 72-43-5								

16 Endrin ketone								
8.853	8.853	0.000	112118	50.0000	52	80.00-	120.00	100.00
CAS #: 53494-70-5								

Data File: WF703226.D
Report Date: 21-Jun-2012 09:36

Page 3

		AMOUNTS							
		CAL-AMT		ON-COL					
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
9.847	9.847	0.000	123671	50.0000	52	80.00-	120.00	100.00	

Data File: WF703226.D

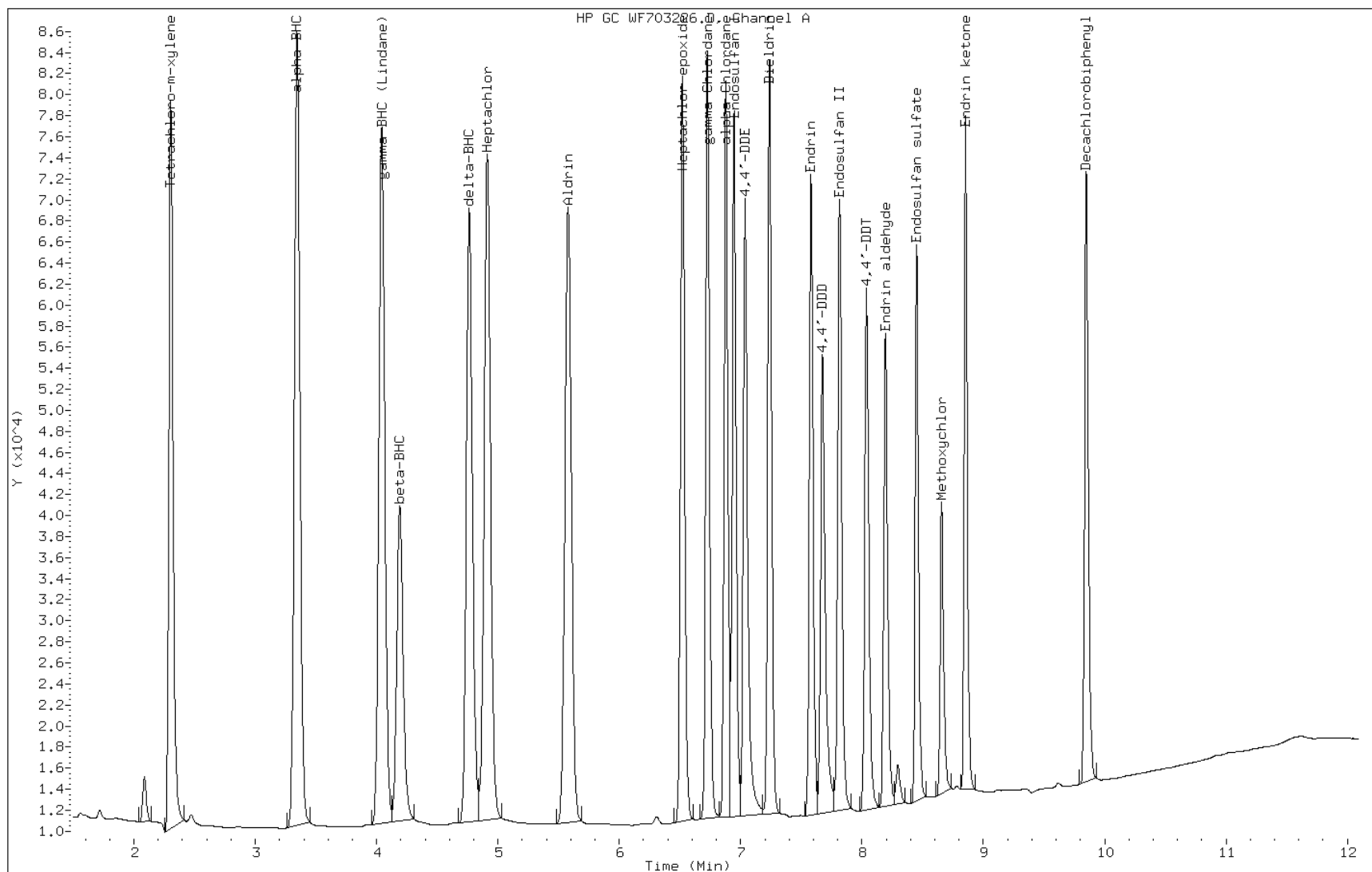
Date: 21-JUN-2012 07:28

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL2_00012

Operator:



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/WF703227.D
Lab Smp Id: SGPESTL4_00012
Inj Date : 21-JUN-2012 07:42
Operator :
Smp Info : SGPESTL4_00012
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/08Wf8081.m
Meth Date : 21-Jun-2012 09:36 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WF703230.D
Calibration Sample, Level: 4
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
2.300	2.303	-0.003	467622	150.000	150	80.00-	120.00	100.00

2 alpha-BHC					CAS #:	319-84-6		
3.340	3.343	-0.003	1108257	250.000	250	80.00-	120.00	100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
4.037	4.043	-0.006	1018413	250.000	240	80.00-	120.00	100.00

3 beta-BHC					CAS #:	319-85-7		
4.187	4.190	-0.003	481561	250.000	240	80.00-	120.00	100.00

4 delta-BHC					CAS #:	319-86-8		
4.760	4.763	-0.003	971922	250.000	250	80.00-	120.00	100.00

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17 Heptachlor								
4.910	4.913	-0.003	1026970	250.000	240	80.00-	120.00	100.00
CAS #: 76-44-8								

1 Aldrin								
5.573	5.580	-0.007	992705	250.000	250	80.00-	120.00	100.00
CAS #: 309-00-2								

18 Heptachlor epoxide								
6.517	6.520	-0.003	734843	250.000	240	80.00-	120.00	100.00
CAS #: 1024-57-3								

65 gamma-Chlordane								
6.723	6.727	-0.004	712307	250.000	240	80.00-	120.00	100.00
CAS #: 5103-74-2								

66 alpha-Chlordane								
6.877	6.877	0.000	656481	250.000	240	80.00-	120.00	100.00
CAS #: 5103-71-9								

11 Endosulfan I								
6.943	6.947	-0.004	675383	250.000	240	80.00-	120.00	100.00
CAS #: 959-98-8								

8 4,4'-DDE								
7.033	7.037	-0.004	693985	250.000	260	80.00-	120.00	100.00
CAS #: 72-55-9								

10 Dieldrin								
7.237	7.240	-0.003	720701	250.000	250	80.00-	120.00	100.00
CAS #: 60-57-1								

14 Endrin								
7.577	7.580	-0.003	618032	250.000	250	80.00-	120.00	100.00
CAS #: 72-20-8								

7 4,4'-DDD								
7.670	7.673	-0.003	568694	250.000	260	80.00-	120.00	100.00
CAS #: 72-54-8								

12 Endosulfan II								
7.813	7.813	0.000	623580	250.000	240	80.00-	120.00	100.00
CAS #: 33213-65-9								

9 4,4'-DDT								
8.033	8.037	-0.004	582428	250.000	260	80.00-	120.00	100.00
CAS #: 50-29-3								

15 Endrin aldehyde								
8.190	8.193	-0.003	458039	250.000	240	80.00-	120.00	100.00
CAS #: 7421-93-4								

13 Endosulfan sulfate								
8.447	8.450	-0.003	466692	250.000	250	80.00-	120.00	100.00
CAS #: 1031-07-8								

19 Methoxychlor								
8.653	8.653	0.000	267506	250.000	250	80.00-	120.00	100.00
CAS #: 72-43-5								

16 Endrin ketone								
8.850	8.853	-0.003	519151	250.000	240	80.00-	120.00	100.00
CAS #: 53494-70-5								

Data File: WF703227.D
Report Date: 21-Jun-2012 09:36

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		AMOUNTS									
		CAL-AMT		ON-COL							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO					
==	=====	=====	=====	=====	=====	=====					
\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3						
9.847	9.847	0.000	336847	150.000	140 80.00- 120.00	100.00					

Data File: WF703227.D

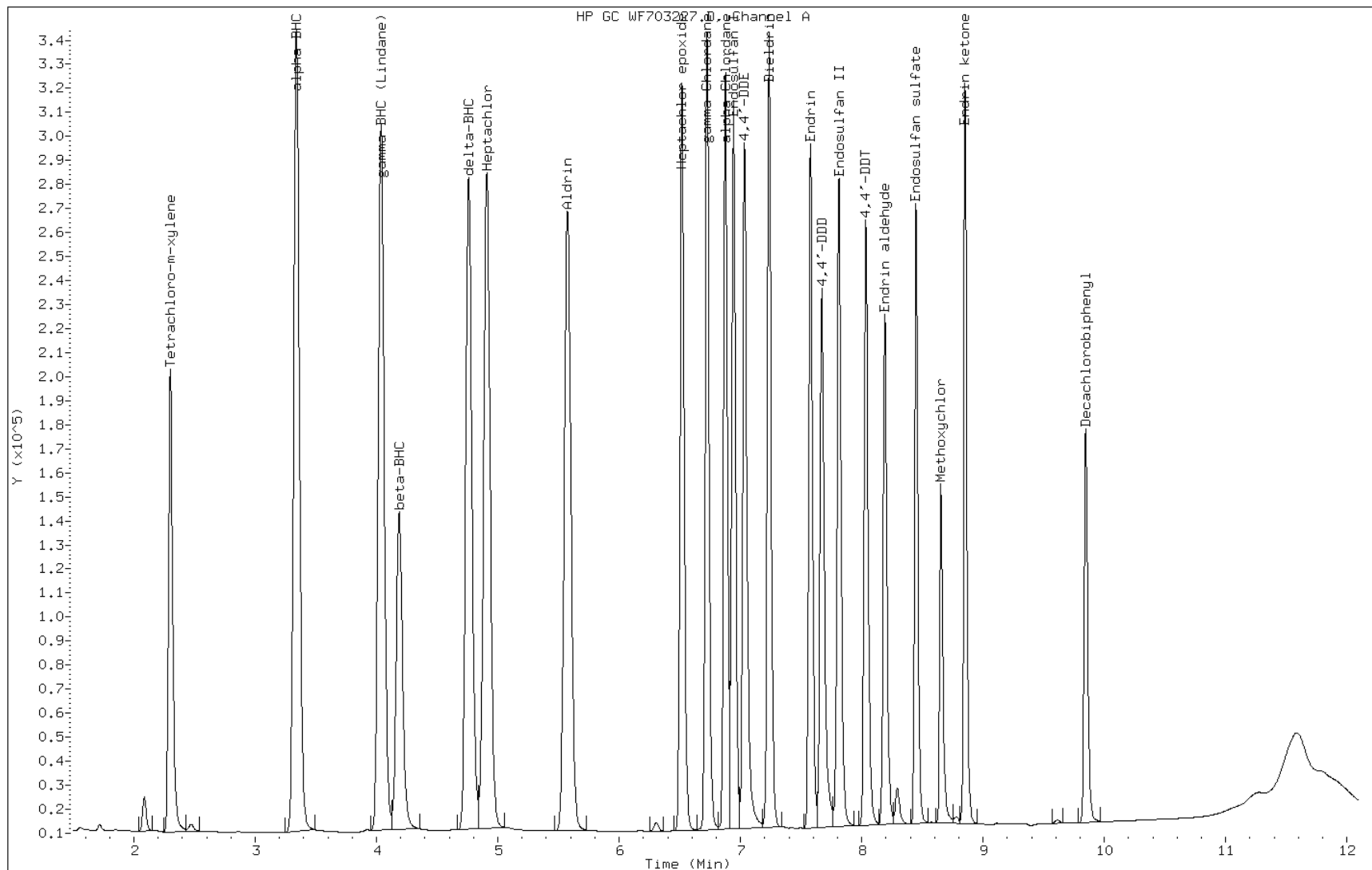
Date: 21-JUN-2012 07:42

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL4_00012

Operator:



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/WF703228.D
Lab Smp Id: SGPESTL5_00012
Inj Date : 21-JUN-2012 07:56
Operator :
Smp Info : SGPESTL5_00012
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/08Wf8081.m
Meth Date : 21-Jun-2012 09:36 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WF703230.D
Calibration Sample, Level: 5
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====		=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
2.307	2.303	0.004	605118	200.000	190	80.00- 120.00		100.00

2 alpha-BHC					CAS #:	319-84-6		
3.353	3.343	0.010	2127181	500.000	480	80.00- 120.00		100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
4.050	4.043	0.007	1949753	500.000	470	80.00- 120.00		100.00

3 beta-BHC					CAS #:	319-85-7		
4.200	4.190	0.010	916158	500.000	460	80.00- 120.00		100.00

4 delta-BHC					CAS #:	319-86-8		
4.773	4.763	0.010	1866236	500.000	490	80.00- 120.00		100.00

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17 Heptachlor								
4.923	4.913	0.010	1935348	500.000	450	80.00-	120.00	100.00
CAS #: 76-44-8								

1 Aldrin								
5.587	5.580	0.007	1880828	500.000	470	80.00-	120.00	100.00
CAS #: 309-00-2								

18 Heptachlor epoxide								
6.523	6.520	0.003	1394790	500.000	450	80.00-	120.00	100.00
CAS #: 1024-57-3								

65 gamma-Chlordane								
6.727	6.727	0.000	1372388	500.000	460	80.00-	120.00	100.00
CAS #: 5103-74-2								

66 alpha-Chlordane								
6.880	6.877	0.003	1270479	500.000	460	80.00-	120.00	100.00
CAS #: 5103-71-9								

11 Endosulfan I								
6.947	6.947	0.000	1294327	500.000	470	80.00-	120.00	100.00
CAS #: 959-98-8								

8 4,4'-DDE								
7.037	7.037	0.000	1341703	500.000	490	80.00-	120.00	100.00
CAS #: 72-55-9								

10 Dieldrin								
7.240	7.240	0.000	1390049	500.000	480	80.00-	120.00	100.00
CAS #: 60-57-1								

14 Endrin								
7.580	7.580	0.000	1192278	500.000	480	80.00-	120.00	100.00
CAS #: 72-20-8								

7 4,4'-DDD								
7.673	7.673	0.000	1109408	500.000	500	80.00-	120.00	100.00(A)
CAS #: 72-54-8								

12 Endosulfan II								
7.813	7.813	0.000	1193955	500.000	470	80.00-	120.00	100.00
CAS #: 33213-65-9								

9 4,4'-DDT								
8.037	8.037	0.000	1140731	500.000	510	80.00-	120.00	100.00(A)
CAS #: 50-29-3								

15 Endrin aldehyde								
8.193	8.193	0.000	885813	500.000	470	80.00-	120.00	100.00
CAS #: 7421-93-4								

13 Endosulfan sulfate								
8.450	8.450	0.000	908932	500.000	480	80.00-	120.00	100.00
CAS #: 1031-07-8								

19 Methoxychlor								
8.653	8.653	0.000	524100	500.000	500	80.00-	120.00	100.00
CAS #: 72-43-5								

16 Endrin ketone								
8.850	8.853	-0.003	1019495	500.000	480	80.00-	120.00	100.00
CAS #: 53494-70-5								

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)									
CAS #: 2051-24-3									
9.847	9.847	0.000	443285	200.000	190	80.00-	120.00	100.00	

QC Flag Legend

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

Data File: WF703228.D

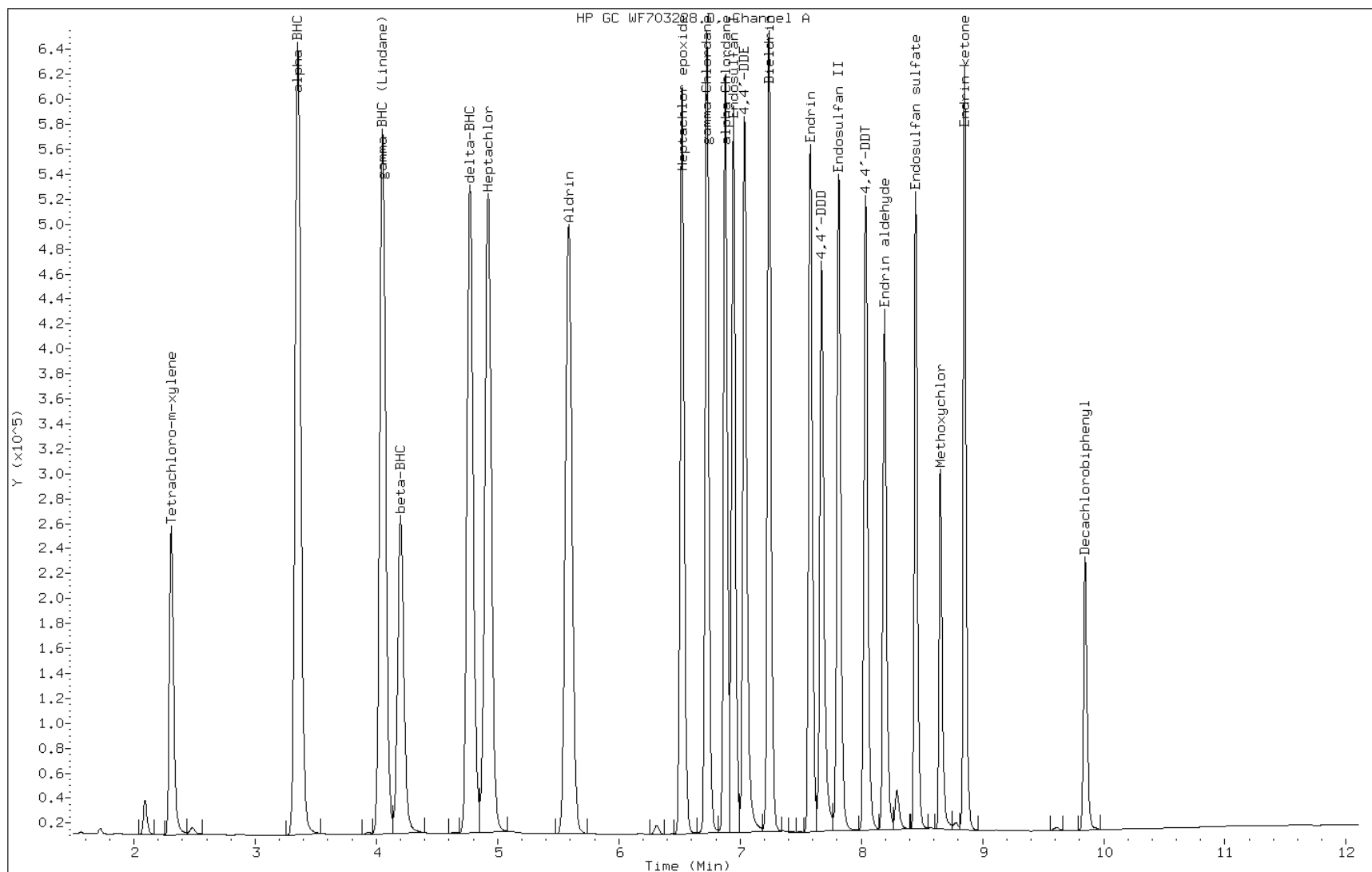
Date: 21-JUN-2012 07:56

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL5_00012

Operator:



FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 07:00 Calibration End Date: 06/21/2012 07:56 Calibration ID: 16121

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/6	WR703225.D
Level 2	IC 460-116941/7	WR703226.D
Level 3	IC 460-116941/5	WR703224.D
Level 4	IC 460-116941/8	WR703227.D
Level 5	IC 460-116941/9	WR703228.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
alpha-BHC	2.437	2.437	2.437	2.433	2.440						2.387 - 2.487	2.437
gamma-BHC (Lindane)	2.897	2.897	2.897	2.893	2.907						2.847 - 2.947	2.898
beta-BHC	3.057	3.060	3.060	3.057	3.070						3.010 - 3.110	3.061
delta-BHC	3.373	3.373	3.377	3.370	3.383						3.327 - 3.427	3.375
Heptachlor	3.757	3.757	3.760	3.753	3.767						3.710 - 3.810	3.759
Aldrin	4.300	4.303	4.303	4.300	4.313						4.253 - 4.353	4.304
Heptachlor epoxide	5.427	5.427	5.430	5.427	5.437						5.360 - 5.500	5.429
gamma-Chlordane	5.673	5.677	5.677	5.673	5.687						5.607 - 5.747	5.677
alpha-Chlordane	5.940	5.940	5.943	5.937	5.950						5.873 - 6.013	5.942
4,4'-DDE	6.070	6.070	6.073	6.070	6.077						6.003 - 6.143	6.072
Endosulfan I	6.163	6.163	6.163	6.160	6.170						6.093 - 6.233	6.164
Dieldrin	6.470	6.470	6.470	6.467	6.473						6.400 - 6.540	6.470
Endrin	6.713	6.713	6.713	6.710	6.713						6.643 - 6.783	6.713
4,4'-DDD	6.777	6.773	6.773	6.773	6.773						6.703 - 6.843	6.774
Endosulfan II	6.937	6.933	6.933	6.933	6.937						6.863 - 7.003	6.935
4,4'-DDT	7.053	7.053	7.053	7.050	7.053						6.983 - 7.123	7.053
Endrin aldehyde	7.363	7.360	7.360	7.357	7.360						7.290 - 7.430	7.360
Methoxychlor	7.567	7.563	7.563	7.560	7.563						7.493 - 7.633	7.563
Endosulfan sulfate	7.827	7.827	7.827	7.823	7.827						7.757 - 7.897	7.826
Endrin ketone	8.140	8.140	8.140	8.137	8.137						8.070 - 8.210	8.139
Tetrachloro-m-xylene	1.900	1.900	1.900	1.897	1.900						1.850 - 1.950	1.899
DCB Decachlorobiphenyl	8.930	8.930	8.930	8.927	8.927						8.830 - 9.030	8.929

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 07:00 Calibration End Date: 06/21/2012 07:56 Calibration ID: 16121

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/6	WR703225.D
Level 2	IC 460-116941/7	WR703226.D
Level 3	IC 460-116941/5	WR703224.D
Level 4	IC 460-116941/8	WR703227.D
Level 5	IC 460-116941/9	WR703228.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	4799.8 4043.3	4891.1	4450.0	4208.3	Ave		4478.49560				8.2		20.0			
gamma-BHC (Lindane)	4556.1 3881.2	4677.0	4327.7	4105.7	Ave		4309.54000				7.5		20.0			
beta-BHC	2344.6 1852.6	2242.1	2069.7	1974.2	Ave		2096.61440				9.5		20.0			
delta-BHC	3815.0 3712.3	4201.1	4069.9	3890.6	Ave		3937.79320				5.0		20.0			
Heptachlor	4092.2 3194.8	4013.0	3643.6	3418.6	Ave		3672.43160				10.4		20.0			
Aldrin	3875.5 3429.5	4114.2	3794.0	3613.5	Ave		3765.34640				6.9		20.0			
Heptachlor epoxide	3626.2 3005.1	3681.3	3343.7	3204.4	Ave		3372.13720				8.4		20.0			
gamma-Chlordane	3616.2 3181.2	3747.9	3425.4	3337.2	Ave		3461.55840				6.5		20.0			
alpha-Chlordane	3602.5 2958.1	3584.4	3238.9	3128.0	Ave		3302.39280				8.6		20.0			
4,4'-DDE	2665.4 2744.8	3027.9	2839.4	2822.2	Ave		2819.94600				4.8		20.0			
Endosulfan I	3297.7 2775.4	3406.7	3113.8	3019.3	Ave		3122.58240				7.9		20.0			
Dieldrin	3054.1 2671.6	3208.6	2884.5	2830.2	Ave		2929.77080				7.1		20.0			
Endrin	2603.7 2147.2	2668.1	2385.1	2280.1	Ave		2416.82080				9.0		20.0			
4,4'-DDD	1982.5 2240.3	2522.3	2328.9	2347.8	Ave		2284.35640				8.6		20.0			
Endosulfan II	2683.4 2292.4	2805.6	2540.6	2447.2	Ave		2553.84400				7.8		20.0			

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 07:00 Calibration End Date: 06/21/2012 07:56 Calibration ID: 16121

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	2327.8 2340.3	2615.3	2433.2	2451.0	Ave		2433.53040				4.7		20.0			
Endrin aldehyde	2282.9 1886.0	2253.2	2050.3	2003.4	Ave		2095.17320				8.1		20.0			
Methoxychlor	1211.5 1039.4	1239.5	1107.9	1114.1	Ave		1142.49280				7.2		20.0			
Endosulfan sulfate	2217.6 1977.2	2289.5	2104.4	2068.9	Ave		2131.49640				5.8		20.0			
Endrin ketone	2682.9 2185.3	2609.1	2379.8	2249.8	Ave		2421.36280				9.0		20.0			
Tetrachloro-m-xylene	3661.3 3161.6	3548.5	3249.3	3181.3	Ave		3360.41433				6.8		20.0			
DCB Decachlorobiphenyl	2404.0 1884.4	2186.3	2023.6	1901.2	Ave		2079.90233				10.5		20.0			

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 07:00 Calibration End Date: 06/21/2012 07:56 Calibration ID: 16121

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/6	WR703225.D
Level 2	IC 460-116941/7	WR703226.D
Level 3	IC 460-116941/5	WR703224.D
Level 4	IC 460-116941/8	WR703227.D
Level 5	IC 460-116941/9	WR703228.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	47998	244553	444999	1052080	2021654	10.0	50.0	100	250	500
gamma-BHC (Lindane)	Ave	45561	233849	432771	1026430	1940595	10.0	50.0	100	250	500
beta-BHC	Ave	23446	112103	206969	493539	926283	10.0	50.0	100	250	500
delta-BHC	Ave	38150	210056	406994	972661	1856131	10.0	50.0	100	250	500
Heptachlor	Ave	40922	200649	364355	854653	1597408	10.0	50.0	100	250	500
Aldrin	Ave	38755	205710	379403	903378	1714745	10.0	50.0	100	250	500
Heptachlor epoxide	Ave	36262	184064	334371	801105	1502538	10.0	50.0	100	250	500
gamma-Chlordane	Ave	36162	187393	342536	834303	1590580	10.0	50.0	100	250	500
alpha-Chlordane	Ave	36025	179220	323894	782002	1479058	10.0	50.0	100	250	500
4,4'-DDE	Ave	26654	151396	283937	705561	1372398	10.0	50.0	100	250	500
Endosulfan I	Ave	32977	170336	311380	754822	1387702	10.0	50.0	100	250	500
Dieldrin	Ave	30541	160428	288448	707538	1335781	10.0	50.0	100	250	500
Endrin	Ave	26037	133404	238505	570024	1073589	10.0	50.0	100	250	500
4,4'-DDD	Ave	19825	126114	232885	586954	1120168	10.0	50.0	100	250	500
Endosulfan II	Ave	26834	140282	254056	611802	1146206	10.0	50.0	100	250	500
4,4'-DDT	Ave	23278	130766	243322	612751	1170154	10.0	50.0	100	250	500
Endrin aldehyde	Ave	22829	112660	205034	500861	942991	10.0	50.0	100	250	500
Methoxychlor	Ave	12115	61973	110792	278534	519724	10.0	50.0	100	250	500
Endosulfan sulfate	Ave	22176	114473	210440	517218	988575	10.0	50.0	100	250	500
Endrin ketone	Ave	26829	130453	237983	562439	1092634	10.0	50.0	100	250	500
Tetrachloro-m-xylene	Ave	91532	177427	324934	477202	632313	25.0	50.0	100	150	200
DCB Decachlorobiphenyl	Ave	60101	109316	202355	285175	376887	25.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

Data File: WR703224.D
Report Date: 21-Jun-2012 09:36

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/WR703224.D
Lab Smp Id: SGPESTL3_00013
Inj Date : 21-JUN-2012 07:00
Operator : Inst ID: PESTGC4.i
Smp Info : SGPESTL3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/08Wr8081.m
Meth Date : 21-Jun-2012 09:36 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WR703230.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SCpestRANGE.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

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

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

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
1.900	1.900	0.000	324934	100.000	97	80.00- 120.00	100.00	

2 alpha-BHC					CAS #:	319-84-6		
2.437	2.437	0.000	444999	100.000	99	80.00- 120.00	100.00	

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
2.897	2.897	0.000	432771	100.000	100	80.00- 120.00	100.00	

3 beta-BHC					CAS #:	319-85-7		
3.060	3.060	0.000	206969	100.000	99	80.00- 120.00	100.00	

4 delta-BHC					CAS #:	319-86-8		
3.377	3.377	0.000	406994	100.000	100	80.00- 120.00	100.00	

Data File: WR703224.D
Report Date: 21-Jun-2012 09:36

RT	EXP RT	DLT RT	AMOUNTS		ON-COL	TARGET RANGE	RATIO
			RESPONSE	CAL-AMT (ug/L)			
==	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor				CAS #: 76-44-8		
3.760	3.760	0.000	364355	100.000	110	80.00- 120.00	100.00

1	Aldrin				CAS #: 309-00-2		
4.303	4.303	0.000	379403	100.000	100	80.00- 120.00	100.00

18	Heptachlor epoxide				CAS #: 1024-57-3		
5.430	5.430	0.000	334371	100.000	99	80.00- 120.00	100.00

65	gamma-Chlordane				CAS #: 5103-74-2		
5.677	5.677	0.000	342536	100.000	100	80.00- 120.00	100.00

66	alpha-Chlordane				CAS #: 5103-71-9		
5.943	5.943	0.000	323894	100.000	110	80.00- 120.00	100.00

8	4,4'-DDE				CAS #: 72-55-9		
6.073	6.073	0.000	283937	100.000	93	80.00- 120.00	100.00

11	Endosulfan I				CAS #: 959-98-8		
6.163	6.163	0.000	311380	100.000	100	80.00- 120.00	100.00

10	Dieldrin				CAS #: 60-57-1		
6.470	6.470	0.000	288448	100.000	98	80.00- 120.00	100.00

14	Endrin				CAS #: 72-20-8		
6.713	6.713	0.000	238505	100.000	100	80.00- 120.00	100.00

7	4,4'-DDD				CAS #: 72-54-8		
6.773	6.773	0.000	232885	100.000	100	80.00- 120.00	100.00

12	Endosulfan II				CAS #: 33213-65-9		
6.933	6.933	0.000	254056	100.000	99	80.00- 120.00	100.00

9	4,4'-DDT				CAS #: 50-29-3		
7.053	7.053	0.000	243322	100.000	100	80.00- 120.00	100.00

15	Endrin aldehyde				CAS #: 7421-93-4		
7.360	7.360	0.000	205034	100.000	98	80.00- 120.00	100.00

19	Methoxychlor				CAS #: 72-43-5		
7.563	7.563	0.000	110792	100.000	97	80.00- 120.00	100.00

13	Endosulfan sulfate				CAS #: 1031-07-8		
7.827	7.827	0.000	210440	100.000	99	80.00- 120.00	100.00

16	Endrin ketone				CAS #: 53494-70-5		
8.140	8.140	0.000	237983	100.000	98	80.00- 120.00	100.00

Data File: WR703224.D
 Report Date: 21-Jun-2012 09:36

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)			CAS #: 2051-24-3						
8.930	8.930	0.000	202355	100.000	97	80.00-	120.00	100.00	

Data File: WR703224.D

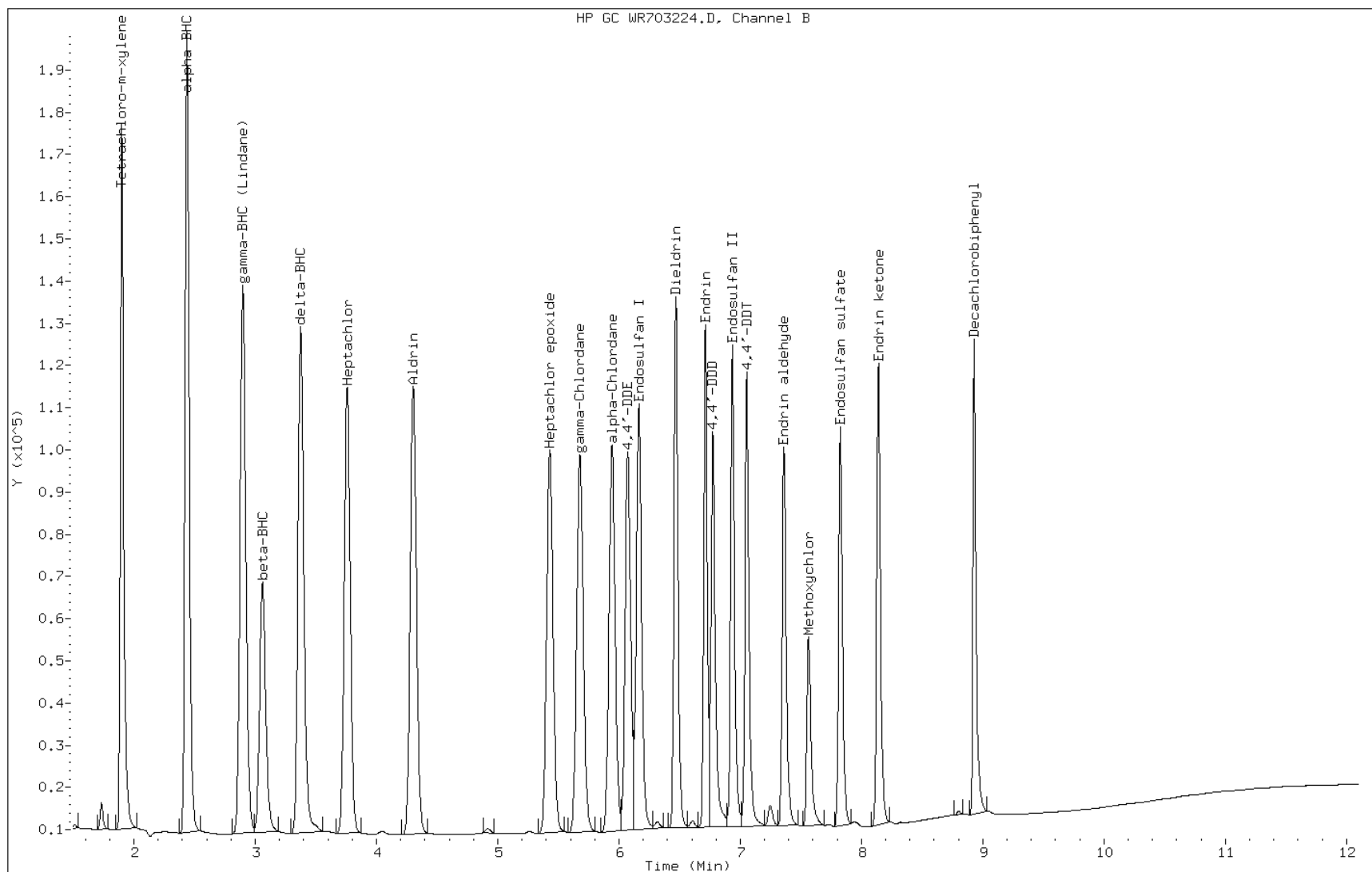
Date: 21-JUN-2012 07:00

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3_00013

Operator:



Data File: WR703225.D
Report Date: 21-Jun-2012 09:36

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/WR703225.D
Lab Smp Id: SGPESTL1_00015
Inj Date : 21-JUN-2012 07:14
Operator : Inst ID: PESTGC4.i
Smp Info : SGPESTL1_00015
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/08Wr8081.m
Meth Date : 21-Jun-2012 09:36 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 07:14 Cal File: WR703225.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SCpestRANGE.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

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

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

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL -AMT		ON -COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
1.900	1.900	0.000	91532	25.0000	27	80.00-	120.00	100.00

2 alpha-BHC					CAS #:	319-84-6		
2.437	2.437	0.000	47998	10.0000	11	80.00-	120.00	100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
2.897	2.897	0.000	45561	10.0000	10	80.00-	120.00	100.00

3 beta-BHC					CAS #:	319-85-7		
3.057	3.060	-0.003	23446	10.0000	11	80.00-	120.00	100.00

4 delta-BHC					CAS #:	319-86-8		
3.373	3.377	-0.004	38150	10.0000	9.7	80.00-	120.00	100.00

Data File: WR703225.D
Report Date: 21-Jun-2012 09:36

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
3.757	3.760	-0.003	40922	10.0000	11	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
4.300	4.303	-0.003	38755	10.0000	10	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
5.427	5.430	-0.003	36262	10.0000	11	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
5.673	5.677	-0.004	36162	10.0000	11	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
5.940	5.943	-0.003	36025	10.0000	12	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
6.070	6.073	-0.003	26654	10.0000	9.1	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
6.163	6.163	0.000	32977	10.0000	11	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
6.470	6.470	0.000	30541	10.0000	10	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
6.713	6.713	0.000	26037	10.0000	11	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
6.777	6.773	0.004	19825	10.0000	9.1	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
6.937	6.933	0.004	26834	10.0000	10	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
7.053	7.053	0.000	23278	10.0000	9.6	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
7.363	7.360	0.003	22829	10.0000	11	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
7.567	7.563	0.004	12115	10.0000	11	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
7.827	7.827	0.000	22176	10.0000	10	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
8.140	8.140	0.000	26829	10.0000	11	80.00-	120.00	100.00

Data File: WR703225.D
Report Date: 21-Jun-2012 09:36

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)									
CAS #: 2051-24-3									
8.930	8.930	0.000	60101	25.0000	29	80.00-	120.00	100.00	

Data File: WR703225.D

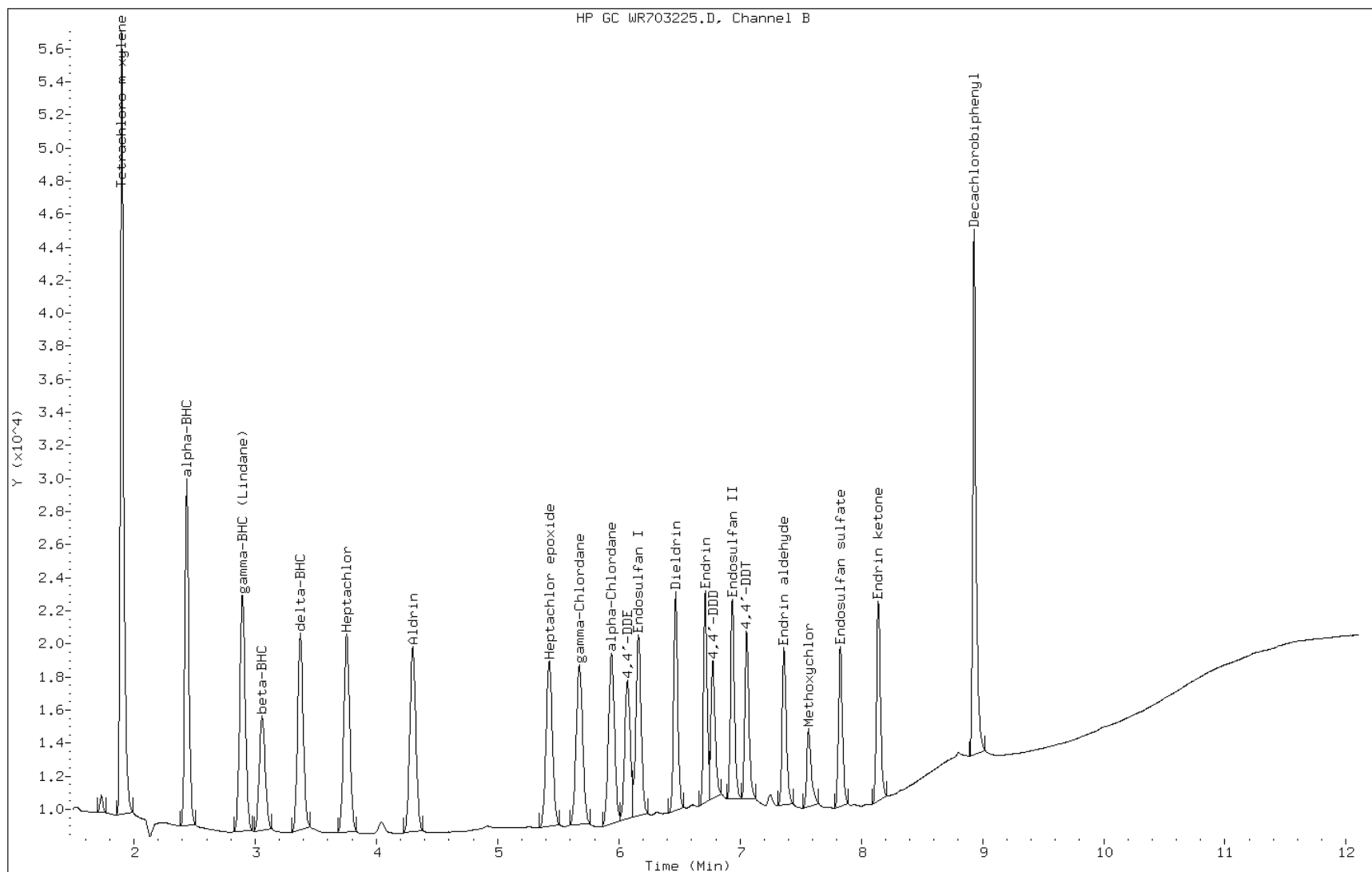
Date: 21-JUN-2012 07:14

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL1_00015

Operator:



Data File: WR703226.D
Report Date: 21-Jun-2012 09:36

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/WR703226.D
Lab Smp Id: SGPESTL2_00012
Inj Date : 21-JUN-2012 07:28
Operator :
Smp Info : SGPESTL2_00012
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/08Wr8081.m
Meth Date : 21-Jun-2012 09:36 ferdie
Cal Date : 21-JUN-2012 07:28
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WR703226.D
Calibration Sample, Level: 2
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

		AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====		=====	
\$ 28 Tetrachloro-m-xylene(surr)									
CAS #: 877-09-8									
1.900	1.900	0.000	177427 50.0000	53	80.00- 120.00	100.00			

2 alpha-BHC									
CAS #: 319-84-6									
2.437	2.437	0.000	244553 50.0000	55	80.00- 120.00	100.00			

5 gamma-BHC (Lindane)									
CAS #: 58-89-9									
2.897	2.897	0.000	233849 50.0000	54	80.00- 120.00	100.00			

3 beta-BHC									
CAS #: 319-85-7									
3.060	3.060	0.000	112103 50.0000	53	80.00- 120.00	100.00			

4 delta-BHC									
CAS #: 319-86-8									
3.373	3.377	-0.004	210056 50.0000	53	80.00- 120.00	100.00			

Data File: WR703226.D
Report Date: 21-Jun-2012 09:36

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
3.757	3.760	-0.003	200649	50.0000	54	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
4.303	4.303	0.000	205710	50.0000	54	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
5.427	5.430	-0.003	184064	50.0000	54	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
5.677	5.677	0.000	187393	50.0000	54	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
5.940	5.943	-0.003	179220	50.0000	55	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
6.070	6.073	-0.003	151396	50.0000	53	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
6.163	6.163	0.000	170336	50.0000	54	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
6.470	6.470	0.000	160428	50.0000	55	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
6.713	6.713	0.000	133404	50.0000	55	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
6.773	6.773	0.000	126114	50.0000	56	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
6.933	6.933	0.000	140282	50.0000	55	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
7.053	7.053	0.000	130766	50.0000	54	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
7.360	7.360	0.000	112660	50.0000	54	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
7.563	7.563	0.000	61973	50.0000	54	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
7.827	7.827	0.000	114473	50.0000	54	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
8.140	8.140	0.000	130453	50.0000	54	80.00-	120.00	100.00

Data File: WR703226.D
 Report Date: 21-Jun-2012 09:36

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)			CAS #: 2051-24-3						
8.930	8.930	0.000	109316	50.0000	52	80.00-	120.00	100.00	

Data File: WR703226.D

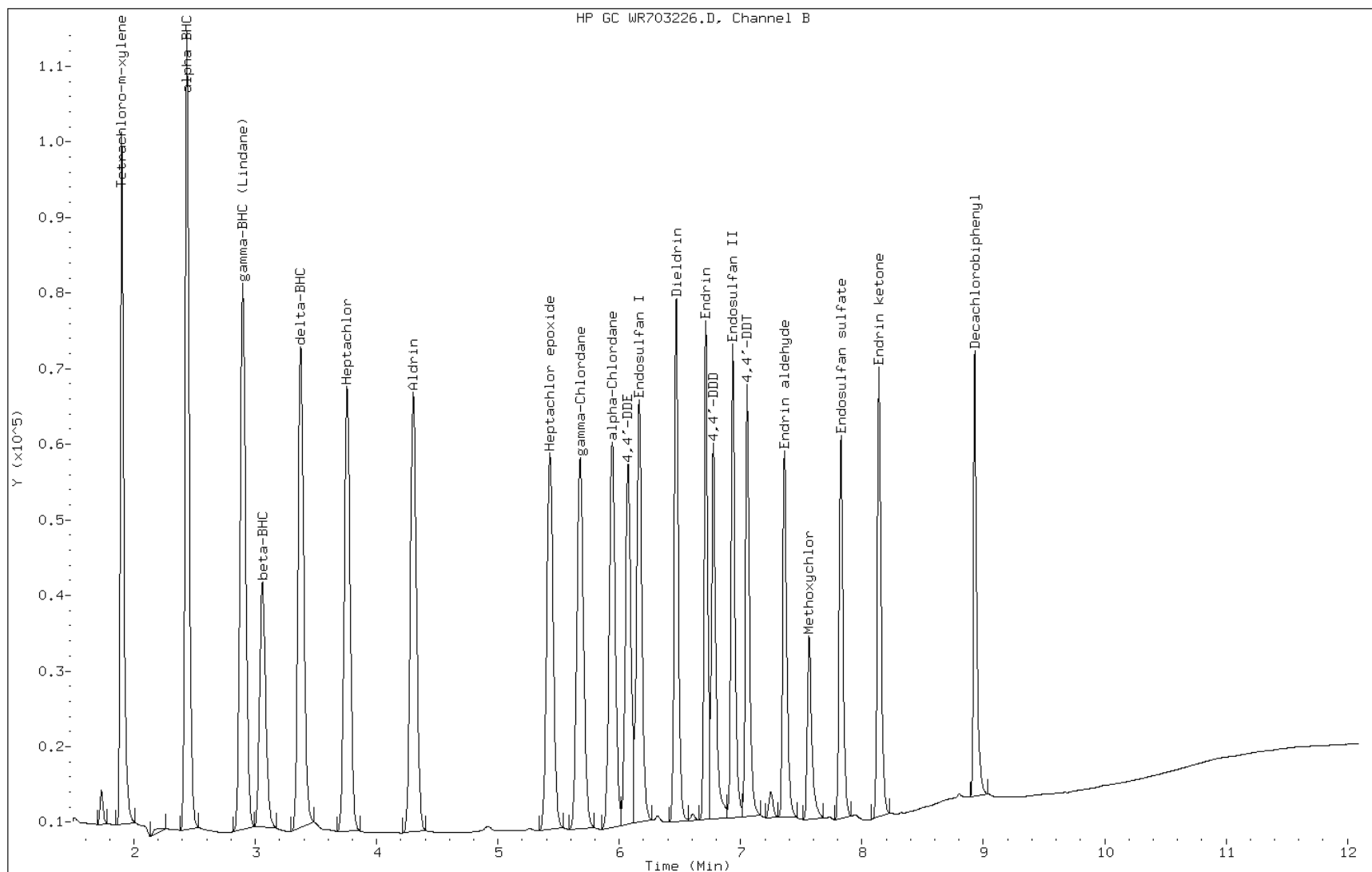
Date: 21-JUN-2012 07:28

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL2_00012

Operator:



Data File: WR703227.D
Report Date: 21-Jun-2012 09:36

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/WR703227.D
Lab Smp Id: SGPESTL4_00012
Inj Date : 21-JUN-2012 07:42
Operator : Inst ID: PESTGC4.i
Smp Info : SGPESTL4_00012
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/08Wr8081.m
Meth Date : 21-Jun-2012 09:36 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 07:42 Cal File: WR703227.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SCpestRANGE.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

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

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

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
1.897	1.900	-0.003	477202	150.000	140	80.00-	120.00	100.00

2 alpha-BHC					CAS #:	319-84-6		
2.433	2.437	-0.004	1052080	250.000	230	80.00-	120.00	100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
2.893	2.897	-0.004	1026430	250.000	240	80.00-	120.00	100.00

3 beta-BHC					CAS #:	319-85-7		
3.057	3.060	-0.003	493539	250.000	240	80.00-	120.00	100.00

4 delta-BHC					CAS #:	319-86-8		
3.370	3.377	-0.007	972661	250.000	250	80.00-	120.00	100.00

Data File: WR703227.D
Report Date: 21-Jun-2012 09:36

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
3.753	3.760	-0.007	854653	250.000	230	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
4.300	4.303	-0.003	903378	250.000	240	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
5.427	5.430	-0.003	801105	250.000	240	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
5.673	5.677	-0.004	834303	250.000	240	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
5.937	5.943	-0.006	782002	250.000	240	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
6.070	6.073	-0.003	705561	250.000	250	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
6.160	6.163	-0.003	754822	250.000	240	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
6.467	6.470	-0.003	707538	250.000	240	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
6.710	6.713	-0.003	570024	250.000	240	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
6.773	6.773	0.000	586954	250.000	260	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
6.933	6.933	0.000	611802	250.000	240	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
7.050	7.053	-0.003	612751	250.000	250	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
7.357	7.360	-0.003	500861	250.000	240	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
7.560	7.563	-0.003	278534	250.000	240	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
7.823	7.827	-0.004	517218	250.000	240	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
8.137	8.140	-0.003	562439	250.000	230	80.00-	120.00	100.00

Data File: WR703227.D
 Report Date: 21-Jun-2012 09:36

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr) CAS #: 2051-24-3									
8.927	8.930	-0.003	285175	150.000	140	80.00-	120.00	100.00	

Data File: WR703227.D

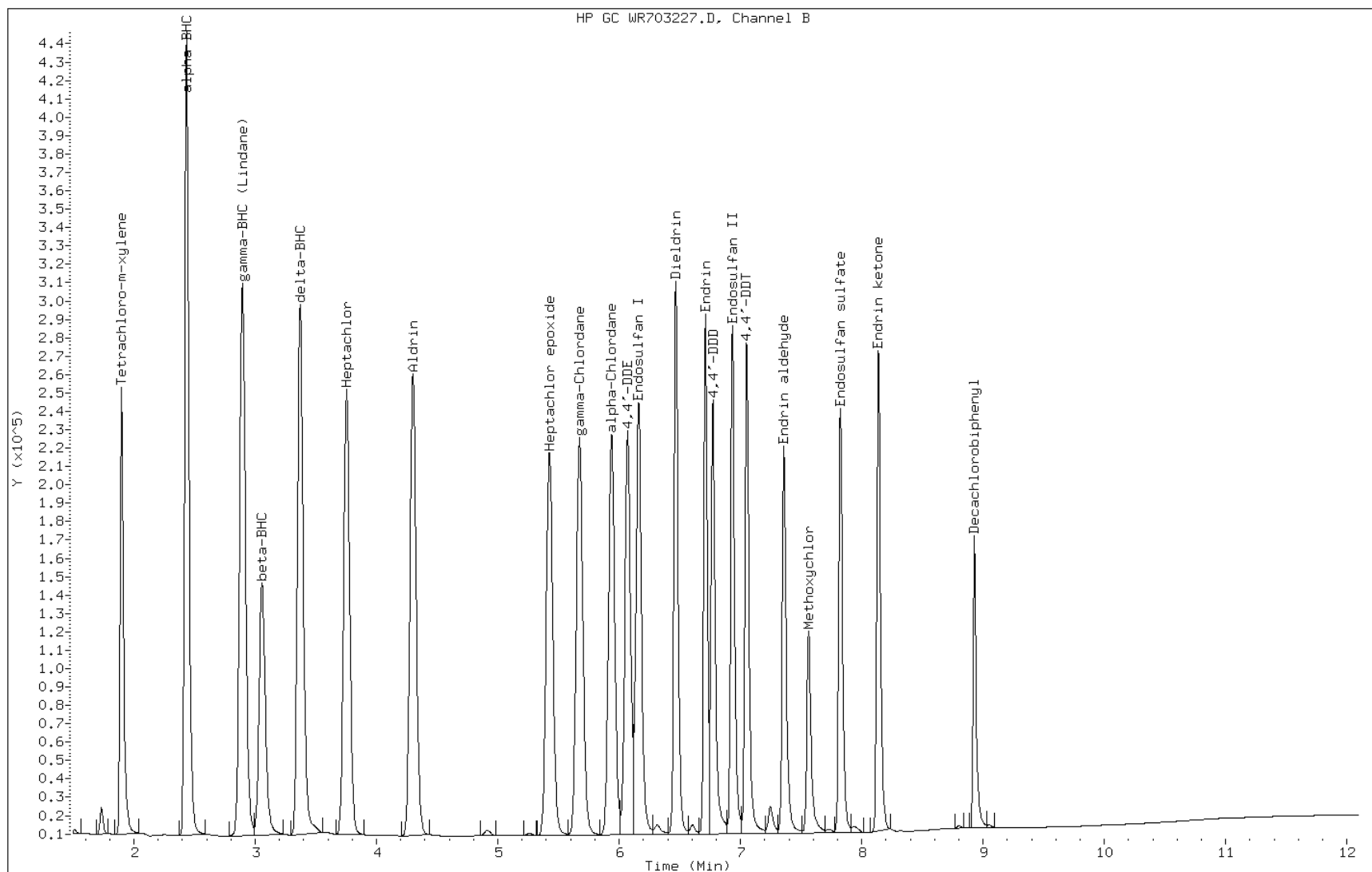
Date: 21-JUN-2012 07:42

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL4_00012

Operator:



Data File: WR703228.D
 Report Date: 21-Jun-2012 09:36

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/WR703228.D
 Lab Smp Id: SGPESTL5_00012
 Inj Date : 21-JUN-2012 07:56
 Operator : Inst ID: PESTGC4.i
 Smp Info : SGPESTL5_00012
 Misc Info :
 Comment :
 Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/08Wr8081.m
 Meth Date : 21-Jun-2012 09:36 ferdie Quant Type: ESTD
 Cal Date : 21-JUN-2012 07:56 Cal File: WR703228.D
 Als bottle: 1 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: SCpestRANGE.sub
 Target Version: 3.50 Sample Matrix: SOIL
 Processing Host: hpd3

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

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

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL -AMT		ON -COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
1.900	1.900	0.000	632313	200.000	190	80.00-	120.00	100.00

2 alpha-BHC					CAS #:	319-84-6		
2.440	2.437	0.003	2021654	500.000	450	80.00-	120.00	100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
2.907	2.897	0.010	1940595	500.000	450	80.00-	120.00	100.00

3 beta-BHC					CAS #:	319-85-7		
3.070	3.060	0.010	926283	500.000	440	80.00-	120.00	100.00

4 delta-BHC					CAS #:	319-86-8		
3.383	3.377	0.006	1856131	500.000	470	80.00-	120.00	100.00

Data File: WR703228.D
Report Date: 21-Jun-2012 09:36

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
3.767	3.760	0.007	1597408	500.000	430	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
4.313	4.303	0.010	1714745	500.000	460	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
5.437	5.430	0.007	1502538	500.000	440	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
5.687	5.677	0.010	1590580	500.000	460	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
5.950	5.943	0.007	1479058	500.000	450	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
6.077	6.073	0.004	1372398	500.000	490	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
6.170	6.163	0.007	1387702	500.000	440	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
6.473	6.470	0.003	1335781	500.000	460	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
6.713	6.713	0.000	1073589	500.000	440	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
6.773	6.773	0.000	1120168	500.000	490	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
6.937	6.933	0.004	1146206	500.000	450	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
7.053	7.053	0.000	1170154	500.000	480	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
7.360	7.360	0.000	942991	500.000	450	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
7.563	7.563	0.000	519724	500.000	450	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
7.827	7.827	0.000	988575	500.000	460	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
8.137	8.140	-0.003	1092634	500.000	450	80.00-	120.00	100.00

Data File: WR703228.D
 Report Date: 21-Jun-2012 09:36

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT		ON-COL	TARGET RANGE	RATIO
			RESPONSE (ug/L)	(ug/L)	(ug/L)		
==	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3		
8.927	8.930	-0.003	376887	200.000	180	80.00- 120.00	100.00

Data File: WR703228.D

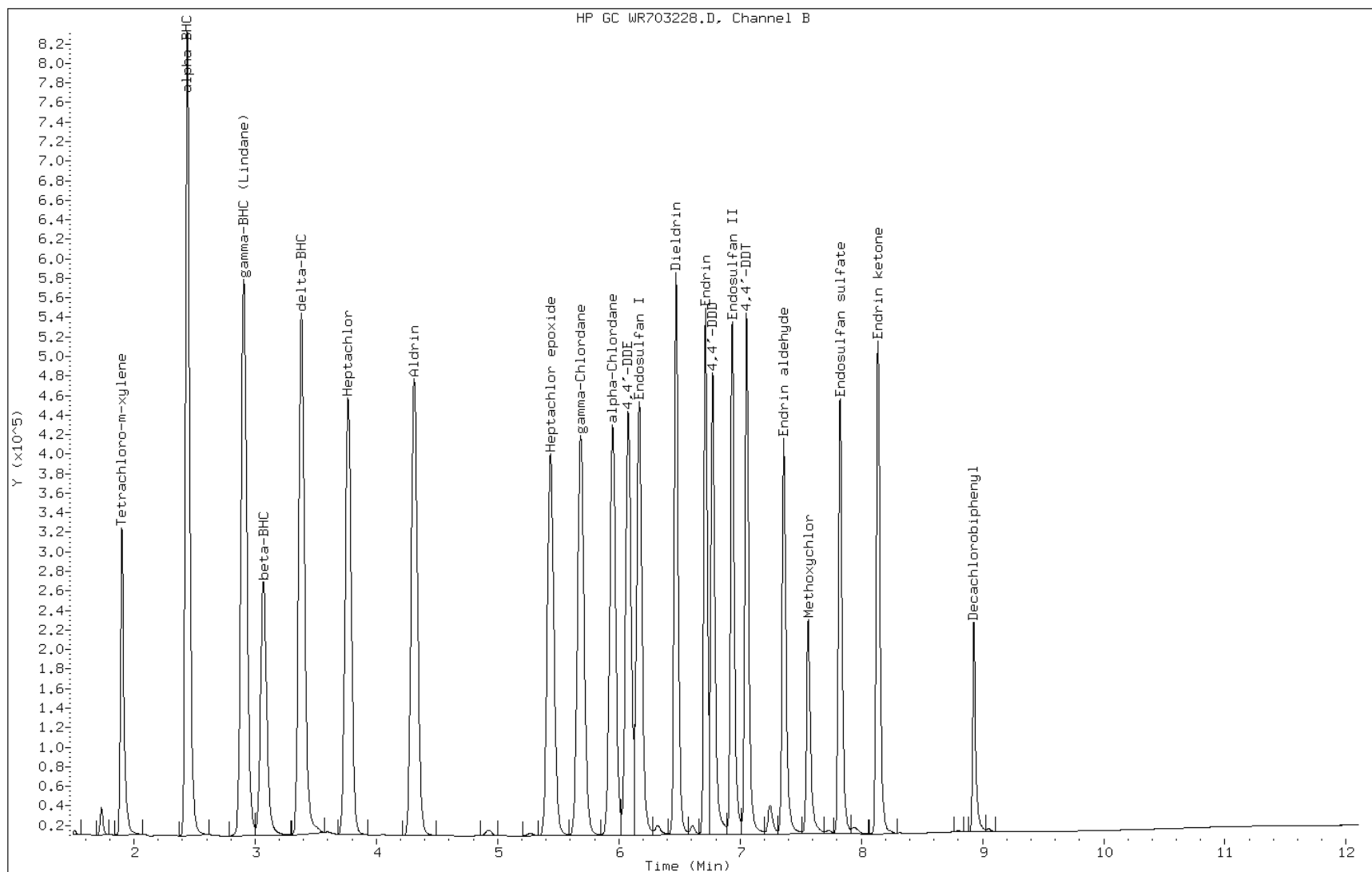
Date: 21-JUN-2012 07:56

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL5_00012

Operator:



FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 08:10 Calibration End Date: 06/21/2012 08:10 Calibration ID: 16122

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/10	WF703229.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Chlordane (technical) Peak 1	4.633										4.563 - 4.703	4.633
Chlordane (technical) Peak 2	4.920										4.850 - 4.990	4.920
Chlordane (technical) Peak 3	5.880										5.810 - 5.950	5.880
Chlordane (technical) Peak 4	6.727										6.657 - 6.797	6.727
Chlordane (technical) Peak 5	6.823										6.753 - 6.893	6.823
Chlordane (technical) Peak 6	6.877										6.807 - 6.947	6.877
Chlordane (technical) Peak 7	7.663										7.593 - 7.733	7.663
Chlordane (technical) Peak 8	7.873										7.803 - 7.943	7.873

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 08:10 Calibration End Date: 06/21/2012 08:10 Calibration ID: 16122

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/10	WF703229.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								
Chlordane (technical) Peak	173.05				Ave		173.045000						20.0			
Chlordane (technical) Peak	232.65				Ave		232.645000						20.0			
Chlordane (technical) Peak	152.23				Ave		152.225000						20.0			
Chlordane (technical) Peak	383.04				Ave		383.037000						20.0			
Chlordane (technical) Peak	314.43				Ave		314.431000						20.0			
Chlordane (technical) Peak	333.05				Ave		333.045000						20.0			
Chlordane (technical) Peak	63.960				Ave		63.9600000						20.0			
Chlordane (technical) Peak	108.11				Ave		108.110000						20.0			

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 08:10 Calibration End Date: 06/21/2012 08:10 Calibration ID: 16122

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/10	WF703229.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
Chlordane (technical) Peak 1	Ave	173045					1000				
Chlordane (technical) Peak 2	Ave	232645					1000				
Chlordane (technical) Peak 3	Ave	152225					1000				
Chlordane (technical) Peak 4	Ave	383037					1000				
Chlordane (technical) Peak 5	Ave	314431					1000				
Chlordane (technical) Peak 6	Ave	333045					1000				
Chlordane (technical) Peak 7	Ave	63960					1000				
Chlordane (technical) Peak 8	Ave	108110					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/WF703229.D
Lab Smp Id: SGCHL0L3_00010
Inj Date : 21-JUN-2012 08:10
Operator :
Smp Info : SGCHL0L3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/08Wf8081.m
Meth Date : 21-Jun-2012 09:36 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WF703230.D
Calibration Sample, Level: 3
Compound Sublist: CHLORDANE.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
6 Chlordane			CAS #: 57-74-9			
4.633	4.633	0.000	173045 1000.00	1000	80.00- 120.00	100.00
4.920	4.920	0.000	232645 1000.00	1000	107.55- 161.33	134.44
5.880	5.880	0.000	152225 1000.00	1000	70.37- 105.56	87.97
6.727	6.727	0.000	383037 1000.00	1000	177.08- 265.62	221.35
6.823	6.823	0.000	314431 1000.00	1000	145.36- 218.05	181.70
6.877	6.877	0.000	333045 1000.00	1000	153.97- 230.95	192.46
7.663	7.663	0.000	63960 1000.00	1000	29.57- 44.35	36.96
7.873	7.873	0.000	108110 1000.00	1000	49.98- 74.97	62.48
Average of Peak Amounts =			1e+03			

Data File: WF703229.D

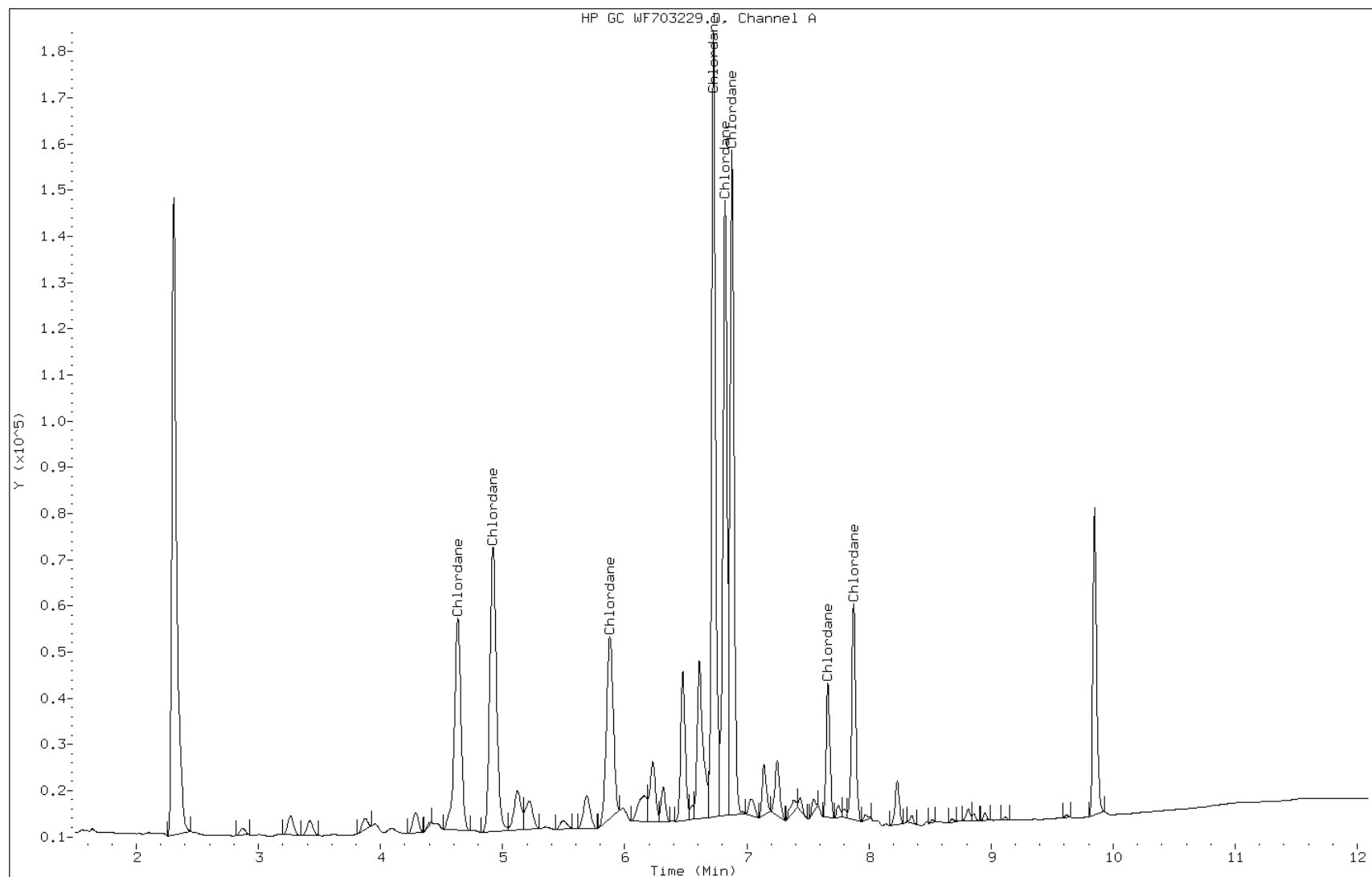
Date: 21-JUN-2012 08:10

Client ID:

Instrument: PESTGC4.i

Sample Info: SGCHL0L3_00010

Operator:



FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 08:10 Calibration End Date: 06/21/2012 08:10 Calibration ID: 16123

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/10	WR703229.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Chlordane (technical) Peak 1	3.617										3.547 - 3.687	3.617
Chlordane (technical) Peak 2	3.763										3.693 - 3.833	3.763
Chlordane (technical) Peak 3	4.560										4.490 - 4.630	4.560
Chlordane (technical) Peak 4	5.310										5.240 - 5.380	5.310
Chlordane (technical) Peak 5	5.683										5.613 - 5.753	5.683
Chlordane (technical) Peak 6	5.933										5.863 - 6.003	5.933
Chlordane (technical) Peak 7	6.747										6.677 - 6.817	6.747
Chlordane (technical) Peak 8	6.873										6.803 - 6.943	6.873

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 08:10 Calibration End Date: 06/21/2012 08:10 Calibration ID: 16123

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/10	WR703229.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								
Chlordane (technical) Peak	150.19				Ave		150.191000						20.0			
Chlordane (technical) Peak	191.87				Ave		191.870000						20.0			
Chlordane (technical) Peak	175.15				Ave		175.148000						20.0			
Chlordane (technical) Peak	80.421				Ave		80.4210000						20.0			
Chlordane (technical) Peak	470.39				Ave		470.385000						20.0			
Chlordane (technical) Peak	713.14				Ave		713.137000						20.0			
Chlordane (technical) Peak	83.919				Ave		83.9190000						20.0			
Chlordane (technical) Peak	131.58				Ave		131.577000						20.0			

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 08:10 Calibration End Date: 06/21/2012 08:10 Calibration ID: 16123

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/10	WR703229.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
Chlordane (technical) Peak 1	Ave	150191					1000				
Chlordane (technical) Peak 2	Ave	191870					1000				
Chlordane (technical) Peak 3	Ave	175148					1000				
Chlordane (technical) Peak 4	Ave	80421					1000				
Chlordane (technical) Peak 5	Ave	470385					1000				
Chlordane (technical) Peak 6	Ave	713137					1000				
Chlordane (technical) Peak 7	Ave	83919					1000				
Chlordane (technical) Peak 8	Ave	131577					1000				

Curve Type Legend:

Ave = Average

Data File: WR703229.D
Report Date: 21-Jun-2012 09:37

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/WR703229.D
Lab Smp Id: SGCHL0L3_00010
Inj Date : 21-JUN-2012 08:10
Operator : Inst ID: PESTGC4.i
Smp Info : SGCHL0L3_00010
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/08Wr8081.m
Meth Date : 21-Jun-2012 09:36 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WR703230.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CHLORDANE.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: hpd3

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

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

Cpnd Variable Local Compound Variable

		AMOUNTS							
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE			RATIO	
==	=====	=====	=====	=====	=====			=====	
6 Chlordane			CAS #: 57-74-9						
3.617	3.617	0.000	150191 1000.00	1000	80.00- 120.00			100.00	
3.763	3.763	0.000	191870 1000.00	1000	102.20- 153.30			127.75	
4.560	4.560	0.000	175148 1000.00	1000	93.29- 139.94			116.62	
5.310	5.310	0.000	80421 1000.00	1000	42.84- 64.25			53.55	
5.683	5.683	0.000	470385 1000.00	1000	250.55- 375.83			313.19	
5.933	5.933	0.000	713137 1000.00	1000	379.86- 569.78			474.82	
6.747	6.747	0.000	83919 1000.00	1000	44.70- 67.05			55.87	
6.873	6.873	0.000	131577 1000.00	1000	70.09- 105.13			87.61	
Average of Peak Amounts =			1e+03						

Data File: WR703229.D

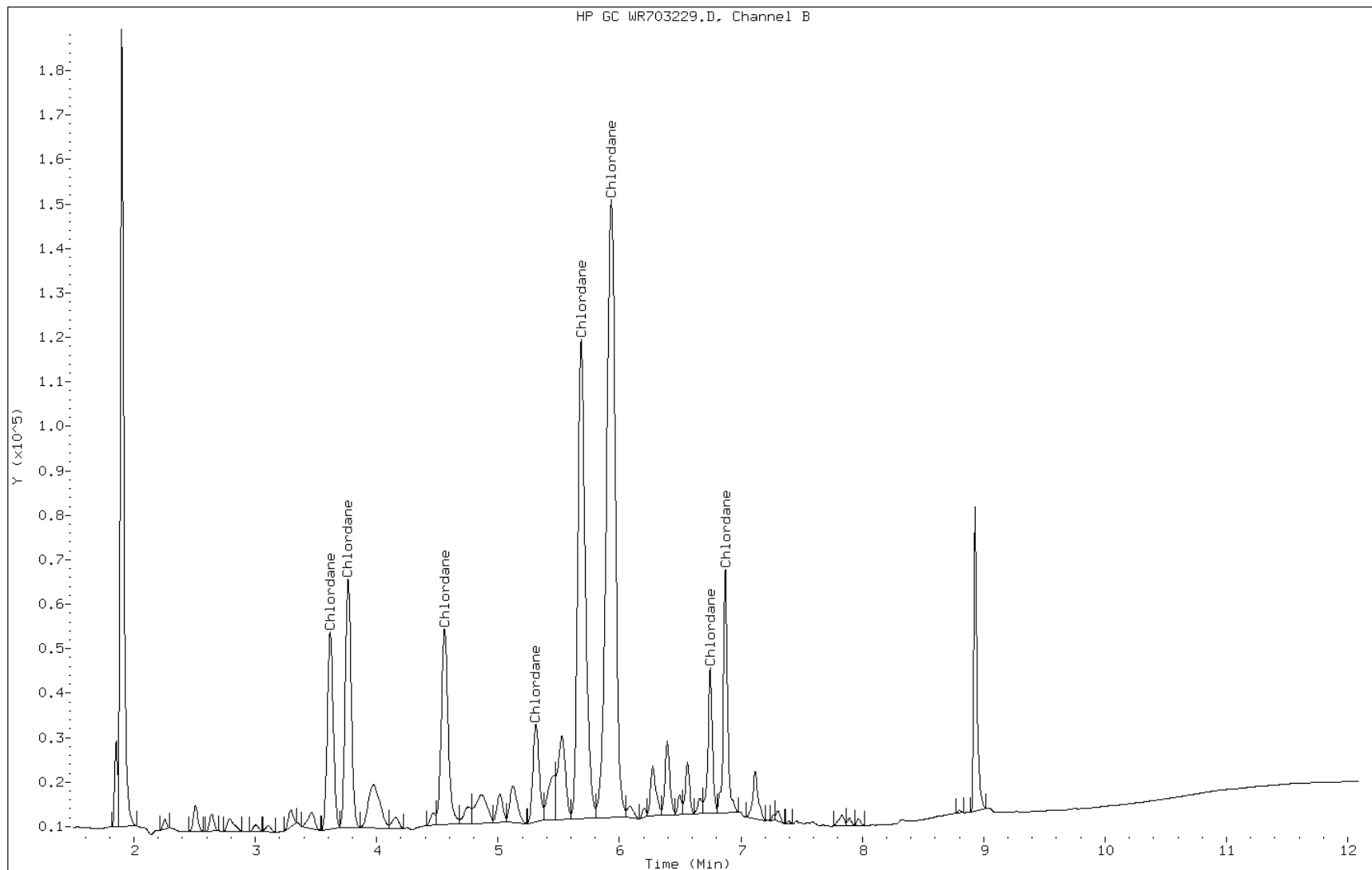
Date: 21-JUN-2012 08:10

Client ID:

Instrument: PESTGC4.i

Sample Info: SGCHL0L3_00010

Operator:



FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 08:24 Calibration End Date: 06/21/2012 08:24 Calibration ID: 16124

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/11	WF703230.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Toxaphene Peak 1	7.907										7.837 - 7.977	7.907
Toxaphene Peak 2	8.203										8.133 - 8.273	8.203
Toxaphene Peak 3	8.290										8.220 - 8.360	8.290
Toxaphene Peak 4	8.410										8.340 - 8.480	8.410
Toxaphene Peak 5	8.447										8.377 - 8.517	8.447
Toxaphene Peak 6	8.643										8.573 - 8.713	8.643
Toxaphene Peak 7	8.930										8.860 - 9.000	8.930
Toxaphene Peak 8	9.063										8.993 - 9.133	9.063

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 08:24 Calibration End Date: 06/21/2012 08:24 Calibration ID: 16124

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/11	WF703230.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Toxaphene Peak 1	124.04				Ave		124.043000						20.0			
Toxaphene Peak 2	104.18				Ave		104.176000						20.0			
Toxaphene Peak 3	104.71				Ave		104.706000						20.0			
Toxaphene Peak 4	75.772				Ave		75.7720000						20.0			
Toxaphene Peak 5	81.832				Ave		81.8320000						20.0			
Toxaphene Peak 6	149.28				Ave		149.275000						20.0			
Toxaphene Peak 7	101.92				Ave		101.917000						20.0			
Toxaphene Peak 8	109.31				Ave		109.310000						20.0			

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 08:24 Calibration End Date: 06/21/2012 08:24 Calibration ID: 16124

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/11	WF703230.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	124043					1000				
Toxaphene Peak 2	Ave	104176					1000				
Toxaphene Peak 3	Ave	104706					1000				
Toxaphene Peak 4	Ave	75772					1000				
Toxaphene Peak 5	Ave	81832					1000				
Toxaphene Peak 6	Ave	149275					1000				
Toxaphene Peak 7	Ave	101917					1000				
Toxaphene Peak 8	Ave	109310					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/WF703230.D
Lab Smp Id: SGT0XL3_00013
Inj Date : 21-JUN-2012 08:24
Operator :
Smp Info : SGT0XL3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-21-12aical/21jun12a.b/08Wf8081.m
Meth Date : 21-Jun-2012 09:36 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WF703230.D
Calibration Sample, Level: 3
Compound Sublist: TOXAPH0.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

		AMOUNTS							
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====			
20 Toxaphene			CAS #: 8001-35-2						
7.907	7.907	0.000	124043 1000.00	1000	80.00- 120.00	100.00			
8.203	8.203	0.000	104176 1000.00	1000	67.19- 100.78	83.98			
8.290	8.290	0.000	104706 1000.00	1000	67.53- 101.29	84.41			
8.410	8.410	0.000	75772 1000.00	1000	48.87- 73.30	61.09			
8.447	8.447	0.000	81832 1000.00	1000	52.78- 79.16	65.97			
8.643	8.643	0.000	149275 1000.00	1000	96.27- 144.41	120.34			
8.930	8.930	0.000	101917 1000.00	1000	65.73- 98.60	82.16			
9.063	9.063	0.000	109310 1000.00	1000	70.50- 105.75	88.12			
Average of Peak Amounts =			1e+03						

Data File: WF703230.D

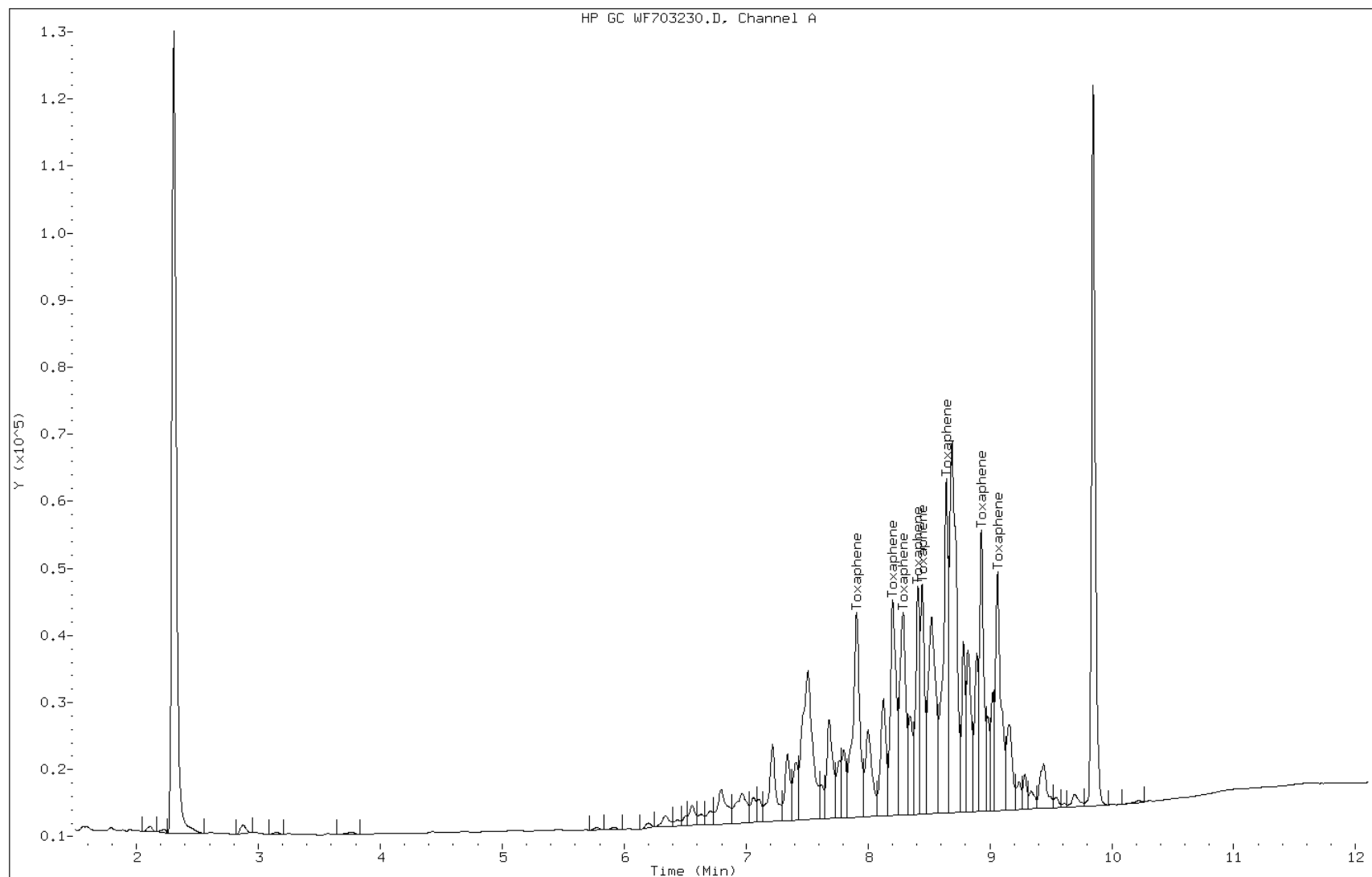
Date: 21-JUN-2012 08:24

Client ID:

Instrument: PESTGC4.i

Sample Info: SGT0XL3_00013

Operator:



FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 08:24 Calibration End Date: 06/21/2012 08:24 Calibration ID: 16125

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/11	WR703230.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Toxaphene Peak 1	6.997										6.927 - 7.067	6.997
Toxaphene Peak 2	7.340										7.270 - 7.410	7.340
Toxaphene Peak 3	7.477										7.407 - 7.547	7.477
Toxaphene Peak 4	7.723										7.653 - 7.793	7.723
Toxaphene Peak 5	7.913										7.843 - 7.983	7.913
Toxaphene Peak 6	7.987										7.917 - 8.057	7.987
Toxaphene Peak 7	8.123										8.053 - 8.193	8.123
Toxaphene Peak 8	8.277										8.207 - 8.347	8.277

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 08:24 Calibration End Date: 06/21/2012 08:24 Calibration ID: 16125

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/11	WR703230.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Toxaphene Peak 1	106.94				Ave		106.942000						20.0			
Toxaphene Peak 2	136.25				Ave		136.248000						20.0			
Toxaphene Peak 3	113.21				Ave		113.208000						20.0			
Toxaphene Peak 4	137.00				Ave		137.001000						20.0			
Toxaphene Peak 5	54.942				Ave		54.9420000						20.0			
Toxaphene Peak 6	61.364				Ave		61.3640000						20.0			
Toxaphene Peak 7	123.89				Ave		123.891000						20.0			
Toxaphene Peak 8	74.630				Ave		74.6300000						20.0			

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116941

SDG No.: _____

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2012 08:24 Calibration End Date: 06/21/2012 08:24 Calibration ID: 16125

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116941/11	WR703230.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	106942					1000				
Toxaphene Peak 2	Ave	136248					1000				
Toxaphene Peak 3	Ave	113208					1000				
Toxaphene Peak 4	Ave	137001					1000				
Toxaphene Peak 5	Ave	54942					1000				
Toxaphene Peak 6	Ave	61364					1000				
Toxaphene Peak 7	Ave	123891					1000				
Toxaphene Peak 8	Ave	74630					1000				

Curve Type Legend:

Ave = Average

Data File: WR703230.D
Report Date: 21-Jun-2012 09:37

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/WR703230.D
Lab Smp Id: SGT0XL3_00013
Inj Date : 21-JUN-2012 08:24
Operator :
Smp Info : SGT0XL3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b/08Wr8081.m
Meth Date : 21-Jun-2012 09:37 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WR703230.D
Calibration Sample, Level: 3
Compound Sublist: TOXAPH0.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

		AMOUNTS							
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE			RATIO	
==	=====	=====	=====	=====	=====			=====	
20 Toxaphene			CAS #: 8001-35-2						
6.997	6.997	0.000	106942	1000.00	1000	80.00-	120.00	100.00	
7.340	7.340	0.000	136248	1000.00	1000	101.92-	152.88	127.40	
7.477	7.477	0.000	113208	1000.00	1000	84.69-	127.03	105.86	
7.723	7.723	0.000	137001	1000.00	1000	102.49-	153.73	128.11	
7.913	7.913	0.000	54942	1000.00	1000	41.10-	61.65	51.38	
7.987	7.987	0.000	61364	1000.00	1000	45.90-	68.86	57.38	
8.123	8.123	0.000	123891	1000.00	1000	92.68-	139.02	115.85	
8.277	8.277	0.000	74630	1000.00	1000	55.83-	83.74	69.79	
Average of Peak Amounts =			1e+03						

Data File: WR703230.D

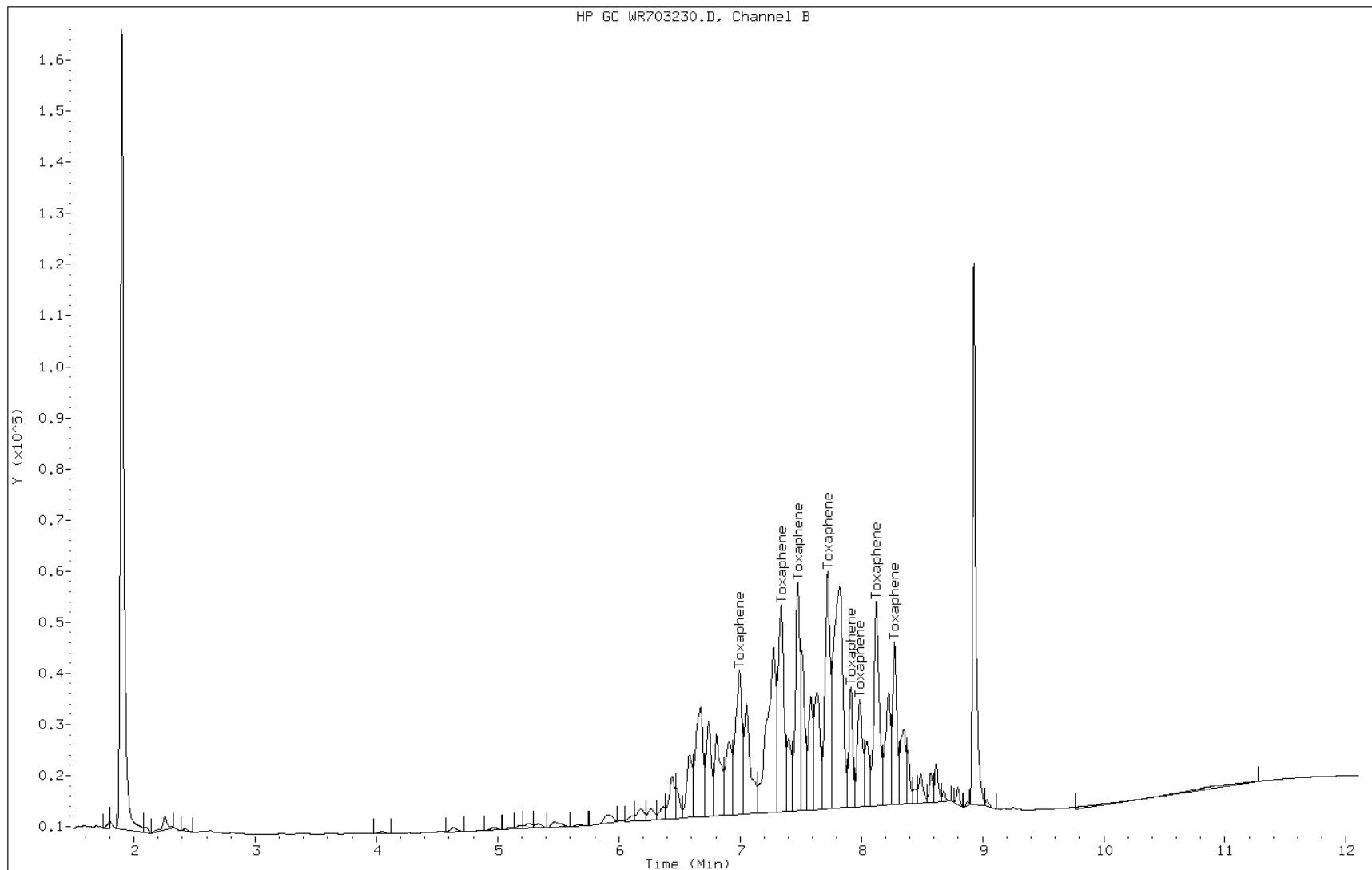
Date: 21-JUN-2012 08:24

Client ID:

Instrument: PESTGC4.i

Sample Info: SGT0XL3_00013

Operator:



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: PEM 460-117505/4 Calibration Date: 06/25/2012 06:35
 Instrument ID: PESTGC4 Calib Start Date: 06/21/2012 07:00
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 06/21/2012 07:56
 Lab File ID: WF703322.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.59	547369	6.34	15	
Endrin aldehyde	8.21	14591			
Endrin ketone	8.86	22485			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	8.05	514117	4.41	15	
4,4'-DDD	7.69	8478			
4,4'-DDE	7.05	15236			

Data File: WF703322.D
 Report Date: 26-Jun-2012 07:30

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703322.D
 Lab Smp Id: SGDDT/Ei_00018
 Inj Date : 25-JUN-2012 06:35
 Operator : Inst ID: PESTGC4.i
 Smp Info : SGDDT/Ei_00018
 Misc Info :
 Comment :
 Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
 Meth Date : 26-Jun-2012 05:28 ferdie Quant Type: ESTD
 Cal Date : 21-JUN-2012 08:24 Cal File: WF703230.D
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: END_DDT.sub
 Target Version: 3.50 Sample Matrix: SOIL
 Processing Host: hpd3

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
7 4,4'-DDD					CAS #: 72-54-8				
7.693	7.700	-0.007	8478	3.83357	2.6	80.00-	120.00	100.00(a)	

8 4,4'-DDE					CAS #: 72-55-9				
7.053	7.063	-0.010	15236	5.62054	3.7	80.00-	120.00	100.00(a)	

9 4,4'-DDT					CAS #: 50-29-3				
8.050	8.063	-0.013	514117	228.475	150	80.00-	120.00	100.00	

14 Endrin					CAS #: 72-20-8				
7.593	7.607	-0.014	547369	219.039	150	80.00-	120.00	100.00	

15 Endrin aldehyde					CAS #: 7421-93-4				
8.207	8.217	-0.010	14591	7.68989	5.1	80.00-	120.00	100.00(a)	

Data File: WF703322.D
Report Date: 26-Jun-2012 07:30

				CONCENTRATIONS					
				ON-COL	FINAL				
RT	EXP RT	DLT RT		RESPONSE (ug/L)	(ug/kg)	TARGET RANGE		RATIO	
==	=====	=====		=====	=====	=====		=====	=====
16 Endrin ketone				CAS #: 53494-70-5					
8.860	8.867	-0.007		22485	10.5139	7.0	80.00- 120.00	100.00	

QC Flag Legend

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

Data File: WF703322.D

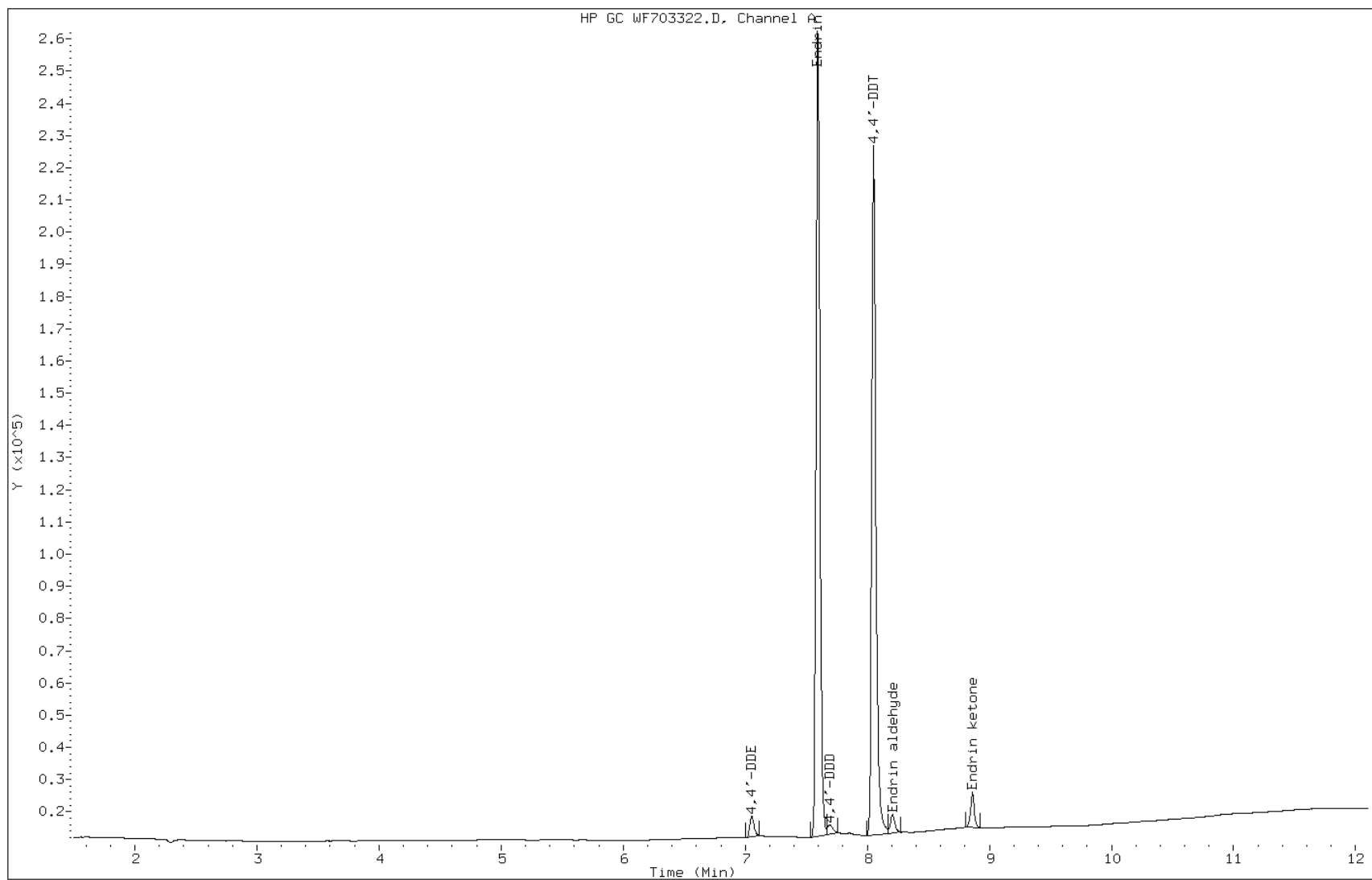
Date: 25-JUN-2012 06:35

Client ID:

Instrument: PESTGC4.i

Sample Info: SGDDT/Ei_00018

Operator:



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Lab Sample ID: PEM 460-117505/4 Calibration Date: 06/25/2012 06:35
Instrument ID: PESTGC4 Calib Start Date: 06/21/2012 07:00
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 06/21/2012 07:56
Lab File ID: WR703322.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.73	516812	6.43	15	
Endrin aldehyde	7.38	15143			
Endrin ketone	8.15	20366			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.07	493734	3.21	15	
4,4'-DDD	0.00	0			
4,4'-DDE	6.10	16374			

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703322.D
Lab Smp Id: SGDDT/Ei_00018
Inj Date : 25-JUN-2012 06:35
Operator : Inst ID: PESTGC4.i
Smp Info : SGDDT/Ei_00018
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WR703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Compound Sublist: END_DDT.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
8 4,4'-DDE					CAS #: 72-55-9				
6.097	6.113	-0.016	16374	5.80649	3.9	80.00-	120.00	100.00(a)	

9 4,4'-DDT					CAS #: 50-29-3				
7.067	7.077	-0.010	493734	202.888	140	80.00-	120.00	100.00	

14 Endrin					CAS #: 72-20-8				
6.727	6.737	-0.010	516812	213.840	140	80.00-	120.00	100.00	

15 Endrin aldehyde					CAS #: 7421-93-4				
7.377	7.383	-0.006	15143	7.22756	4.8	80.00-	120.00	100.00(a)	

16 Endrin ketone					CAS #: 53494-70-5				
8.153	8.160	-0.007	20366	8.41097	5.6	80.00-	120.00	100.00(a)	

QC Flag Legend

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

Data File: WR703322.D

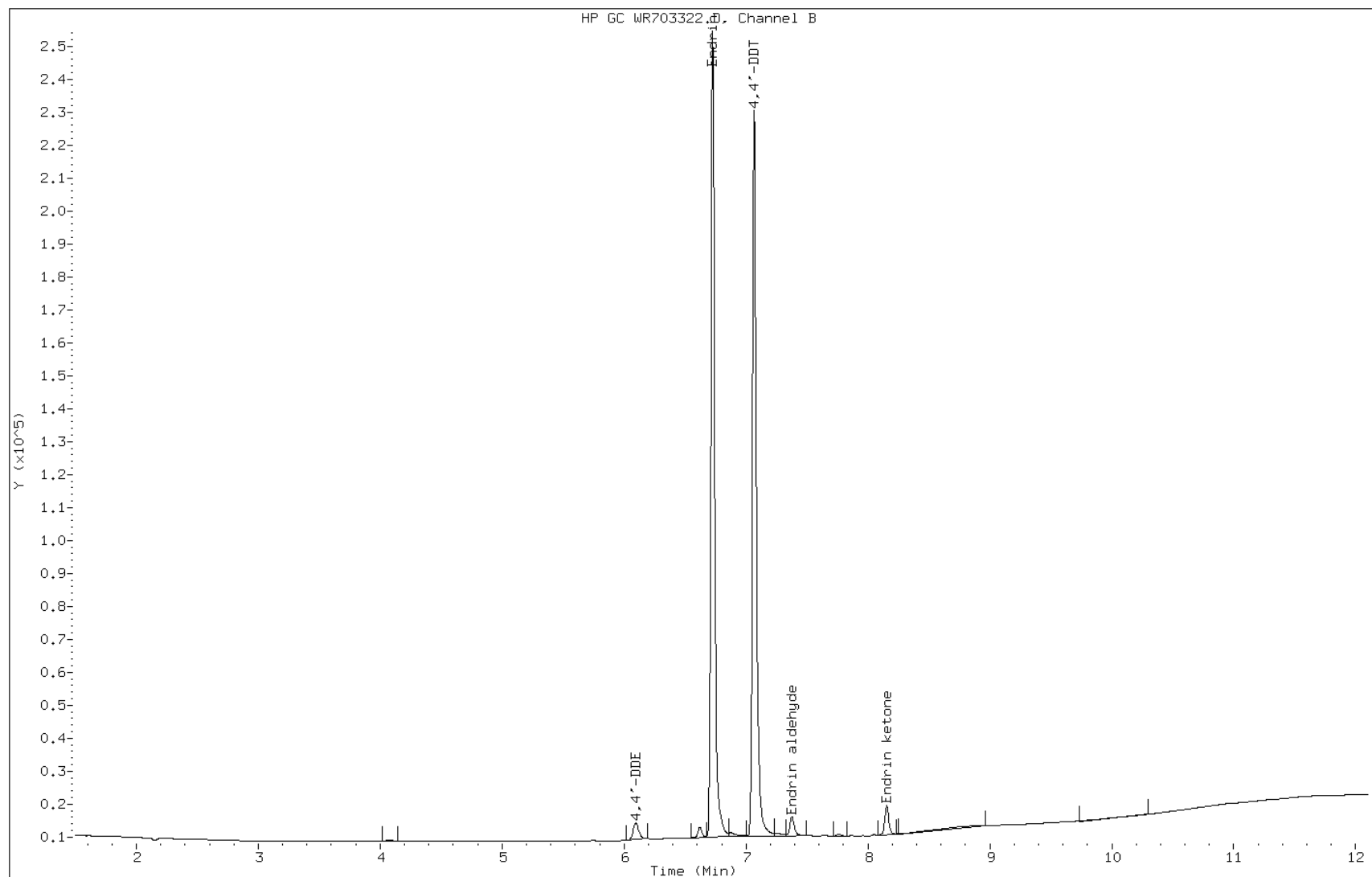
Date: 25-JUN-2012 06:35

Client ID:

Instrument: PESTGC4.i

Sample Info: SGDDT/Ei_00018

Operator:



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-117505/5 Calibration Date: 06/25/2012 06:48
 Instrument ID: PESTGC4 Calib Start Date: 06/21/2012 07:00
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 06/21/2012 07:56
 Lab File ID: WF703323.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	4473	4155		92.9	100	-7.1	15.0
gamma-BHC (Lindane)	Ave	4156	3839		92.4	100	-7.6	15.0
beta-BHC	Ave	1980	1823		92.1	100	-7.9	15.0
delta-BHC	Ave	3834	3572		93.1	100	-6.9	15.0
Heptachlor	Ave	4278	3924		91.7	100	-8.3	15.0
Aldrin	Ave	4009	3665		91.4	100	-8.6	15.0
Heptachlor epoxide	Ave	3075	2706		88.0	100	-12.0	15.0
gamma-Chlordane	Ave	2957	2627		88.8	100	-11.2	15.0
alpha-Chlordane	Ave	2755	2452		89.0	100	-11.0	15.0
Endosulfan I	Ave	2771	2488		89.8	100	-10.2	15.0
4,4'-DDE	Ave	2711	2534		93.5	100	-6.5	15.0
Dieldrin	Ave	2916	2640		90.5	100	-9.5	15.0
Endrin	Ave	2499	2255		90.3	100	-9.7	15.0
4,4'-DDD	Ave	2212	2057		93.0	100	-7.0	15.0
Endosulfan II	Ave	2553	2324		91.1	100	-8.9	15.0
4,4'-DDT	Ave	2250	2099		93.3	100	-6.7	15.0
Endrin aldehyde	Ave	1897	1744		91.9	100	-8.1	15.0
Endosulfan sulfate	Ave	1889	1765		93.4	100	-6.6	15.0
Methoxychlor	Ave	1057	1017		96.2	100	-3.8	15.0
Endrin ketone	Ave	2139	2005		93.7	100	-6.3	15.0
Tetrachloro-m-xylene	Ave	3182	2933		92.2	100	-7.8	15.0
DCB Decachlorobiphenyl	Ave	2355	2143		91.0	100	-9.0	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-117505/5 Calibration Date: 06/25/2012 06:48
 Instrument ID: PESTGC4 Calib Start Date: 06/21/2012 07:00
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 06/21/2012 07:56
 Lab File ID: WF703323.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	3.38	3.34	3.44
gamma-BHC (Lindane)	4.07	4.04	4.14
beta-BHC	4.22	4.19	4.29
delta-BHC	4.80	4.77	4.87
Heptachlor	4.95	4.92	5.02
Aldrin	5.61	5.58	5.68
Heptachlor epoxide	6.54	6.48	6.62
gamma-Chlordane	6.74	6.68	6.82
alpha-Chlordane	6.89	6.83	6.97
Endosulfan I	6.96	6.90	7.04
4,4'-DDE	7.05	6.99	7.13
Dieldrin	7.25	7.19	7.33
Endrin	7.60	7.53	7.67
4,4'-DDD	7.69	7.63	7.77
Endosulfan II	7.83	7.77	7.91
4,4'-DDT	8.05	7.99	8.13
Endrin aldehyde	8.21	8.14	8.28
Endosulfan sulfate	8.46	8.40	8.54
Methoxychlor	8.66	8.60	8.74
Endrin ketone	8.86	8.80	8.94
Tetrachloro-m-xylene	2.32	2.28	2.38
DCB Decachlorobiphenyl	9.85	9.76	9.96

Data File: WF703323.D
Report Date: 26-Jun-2012 07:30

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703323.D
Lab Smp Id: SGPESTL3_00013
Inj Date : 25-JUN-2012 06:48
Operator :
Smp Info : SGPESTL3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
Meth Date : 26-Jun-2012 07:30 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WF703230.D
Continuing Calibration Sample
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
\$ 28 Tetrachloro-m-xylene(surr)									
CAS #: 877-09-8									
2.323	2.323	0.000	293278	100.000	92	80.00- 120.00	100.00		

2 alpha-BHC									
CAS #: 319-84-6									
3.377	3.377	0.000	415452	100.000	93	80.00- 120.00	100.00		

5 gamma-BHC (Lindane)									
CAS #: 58-89-9									
4.073	4.073	0.000	383900	100.000	92	80.00- 120.00	100.00		

3 beta-BHC									
CAS #: 319-85-7									
4.223	4.223	0.000	182310	100.000	92	80.00- 120.00	100.00		

4 delta-BHC									
CAS #: 319-86-8									
4.797	4.797	0.000	357171	100.000	93	80.00- 120.00	100.00		

Data File: WF703323.D
Report Date: 26-Jun-2012 07:30

RT	EXP RT	DLT RT	AMOUNTS		ON-COL	TARGET RANGE	RATIO
			RESPONSE	CAL-AMT (ug/L)			
==	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor				CAS #: 76-44-8		
4.947	4.947	0.000	392433	100.000	92	80.00- 120.00	100.00

1	Aldrin				CAS #: 309-00-2		
5.613	5.613	0.000	366512	100.000	91	80.00- 120.00	100.00

18	Heptachlor epoxide				CAS #: 1024-57-3		
6.537	6.537	0.000	270582	100.000	88	80.00- 120.00	100.00

65	gamma-Chlordane				CAS #: 5103-74-2		
6.743	6.743	0.000	262729	100.000	89	80.00- 120.00	100.00

66	alpha-Chlordane				CAS #: 5103-71-9		
6.893	6.893	0.000	245224	100.000	89	80.00- 120.00	100.00

11	Endosulfan I				CAS #: 959-98-8		
6.963	6.963	0.000	248820	100.000	90	80.00- 120.00	100.00

8	4,4'-DDE				CAS #: 72-55-9		
7.053	7.053	0.000	253372	100.000	93	80.00- 120.00	100.00

10	Dieldrin				CAS #: 60-57-1		
7.253	7.253	0.000	263962	100.000	90	80.00- 120.00	100.00

14	Endrin				CAS #: 72-20-8		
7.597	7.597	0.000	225548	100.000	90	80.00- 120.00	100.00

7	4,4'-DDD				CAS #: 72-54-8		
7.690	7.690	0.000	205655	100.000	93	80.00- 120.00	100.00

12	Endosulfan II				CAS #: 33213-65-9		
7.830	7.830	0.000	232443	100.000	91	80.00- 120.00	100.00

9	4,4'-DDT				CAS #: 50-29-3		
8.053	8.053	0.000	209851	100.000	93	80.00- 120.00	100.00

15	Endrin aldehyde				CAS #: 7421-93-4		
8.207	8.207	0.000	174404	100.000	92	80.00- 120.00	100.00

13	Endosulfan sulfate				CAS #: 1031-07-8		
8.460	8.460	0.000	176496	100.000	93	80.00- 120.00	100.00

19	Methoxychlor				CAS #: 72-43-5		
8.663	8.663	0.000	101717	100.000	96	80.00- 120.00	100.00

16	Endrin ketone				CAS #: 53494-70-5		
8.860	8.860	0.000	200490	100.000	94	80.00- 120.00	100.00

Data File: WF703323.D
 Report Date: 26-Jun-2012 07:30

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)			CAS #: 2051-24-3						
9.853	9.853	0.000	214266	100.000	91	80.00-	120.00	100.00	

Data File: WF703323.D

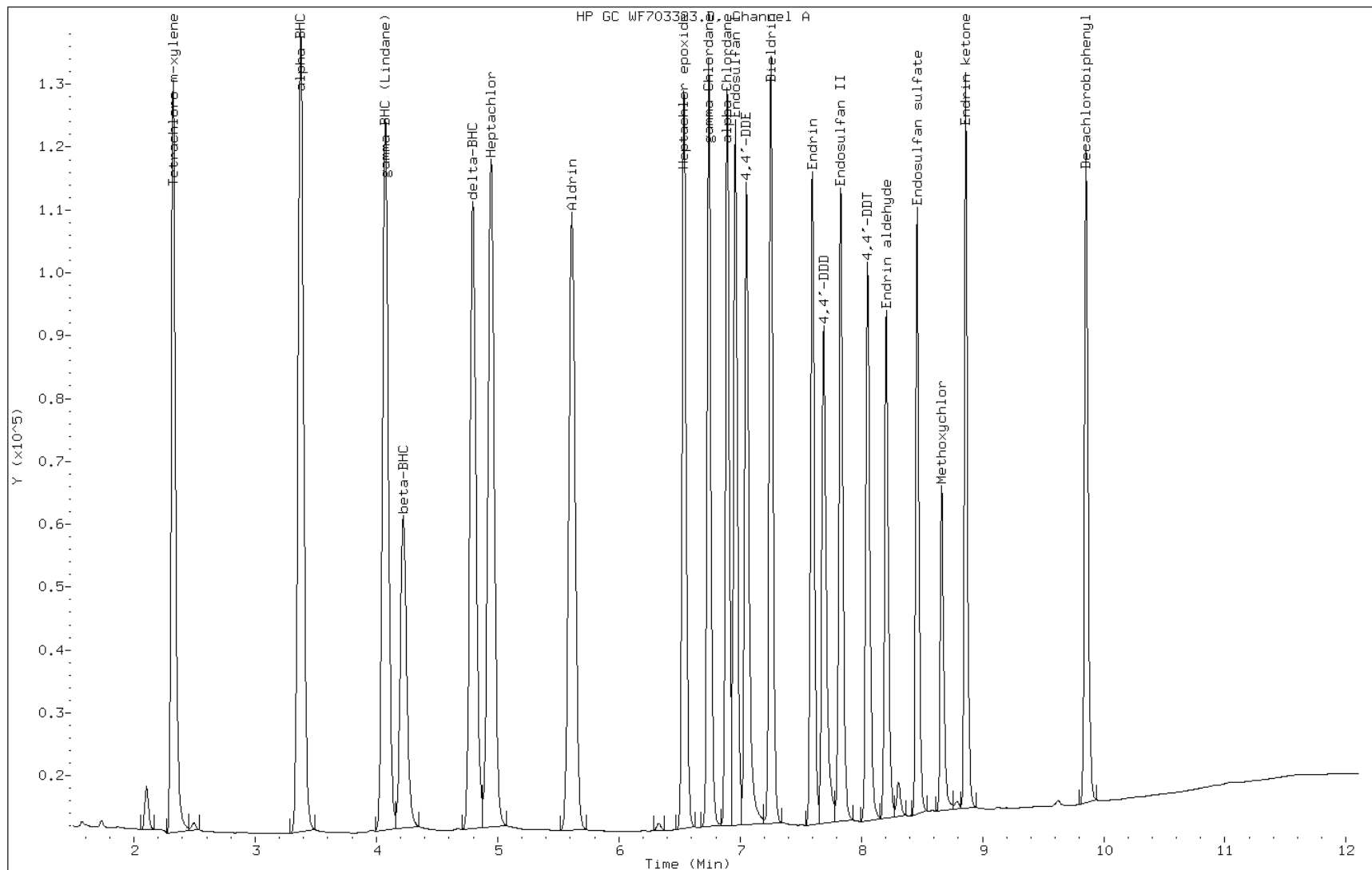
Date: 25-JUN-2012 06:48

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3_00013

Operator:



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-117505/5 Calibration Date: 06/25/2012 06:48
 Instrument ID: PESTGC4 Calib Start Date: 06/21/2012 07:00
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 06/21/2012 07:56
 Lab File ID: WR703323.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	4478	4216		94.1	100	-5.9	15.0
gamma-BHC (Lindane)	Ave	4310	4065		94.3	100	-5.7	15.0
beta-BHC	Ave	2097	1990		94.9	100	-5.1	15.0
delta-BHC	Ave	3938	3805		96.6	100	-3.4	15.0
Heptachlor	Ave	3672	3274		89.2	100	-10.8	15.0
Aldrin	Ave	3765	3488		92.6	100	-7.4	15.0
Heptachlor epoxide	Ave	3372	3068		91.0	100	-9.0	15.0
gamma-Chlordane	Ave	3462	3125		90.3	100	-9.7	15.0
alpha-Chlordane	Ave	3302	2922		88.5	100	-11.5	15.0
4,4'-DDE	Ave	2820	2539		90.0	100	-10.0	15.0
Endosulfan I	Ave	3123	2806		89.8	100	-10.2	15.0
Dieldrin	Ave	2930	2630		89.8	100	-10.2	15.0
Endrin	Ave	2417	2114		87.5	100	-12.5	15.0
4,4'-DDD	Ave	2284	2089		91.5	100	-8.5	15.0
Endosulfan II	Ave	2554	2342		91.7	100	-8.3	15.0
4,4'-DDT	Ave	2434	2141		88.0	100	-12.0	15.0
Endrin aldehyde	Ave	2095	1912		91.2	100	-8.8	15.0
Methoxychlor	Ave	1142	972.4		85.1	100	-14.9	15.0
Endosulfan sulfate	Ave	2131	1970		92.4	100	-7.6	15.0
Endrin ketone	Ave	2421	2203		91.0	100	-9.0	15.0
Tetrachloro-m-xylene	Ave	3360	3142		93.5	100	-6.5	15.0
DCB Decachlorobiphenyl	Ave	2080	1953		93.9	100	-6.1	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-117505/5 Calibration Date: 06/25/2012 06:48
 Instrument ID: PESTGC4 Calib Start Date: 06/21/2012 07:00
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 06/21/2012 07:56
 Lab File ID: WR703323.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.46	2.42	2.52
gamma-BHC (Lindane)	2.93	2.90	3.00
beta-BHC	3.09	3.06	3.16
delta-BHC	3.41	3.37	3.47
Heptachlor	3.79	3.76	3.86
Aldrin	4.34	4.31	4.41
Heptachlor epoxide	5.46	5.41	5.55
gamma-Chlordane	5.71	5.66	5.80
alpha-Chlordane	5.97	5.92	6.06
4,4'-DDE	6.10	6.04	6.18
Endosulfan I	6.19	6.13	6.27
Dieldrin	6.49	6.43	6.57
Endrin	6.73	6.67	6.81
4,4'-DDD	6.79	6.73	6.87
Endosulfan II	6.95	6.89	7.03
4,4'-DDT	7.07	7.01	7.15
Endrin aldehyde	7.38	7.31	7.45
Methoxychlor	7.58	7.52	7.66
Endosulfan sulfate	7.84	7.78	7.92
Endrin ketone	8.15	8.09	8.23
Tetrachloro-m-xylene	1.92	1.87	1.97
DCB Decachlorobiphenyl	8.94	8.84	9.04

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703323.D
Lab Smp Id: SGPESTL3_00013
Inj Date : 25-JUN-2012 06:48
Operator :
Smp Info : SGPESTL3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WR703230.D
Continuing Calibration Sample
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
1.917	1.920	-0.003	314185	100.000	93	80.00-	120.00	100.00

2 alpha-BHC					CAS #:	319-84-6		
2.460	2.470	-0.010	421610	100.000	94	80.00-	120.00	100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
2.930	2.950	-0.020	406494	100.000	94	80.00-	120.00	100.00

3 beta-BHC					CAS #:	319-85-7		
3.093	3.110	-0.017	198987	100.000	95	80.00-	120.00	100.00

4 delta-BHC					CAS #:	319-86-8		
3.407	3.423	-0.016	380540	100.000	97	80.00-	120.00	100.00

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #:	76-44-8	
3.793	3.810	-0.017	327412	100.000	89	80.00-	120.00	100.00

1	Aldrin					CAS #:	309-00-2	
4.337	4.357	-0.020	348766	100.000	93	80.00-	120.00	100.00

18	Heptachlor epoxide					CAS #:	1024-57-3	
5.463	5.483	-0.020	306836	100.000	91	80.00-	120.00	100.00

65	gamma-Chlordane					CAS #:	5103-74-2	
5.710	5.733	-0.023	312514	100.000	90	80.00-	120.00	100.00

66	alpha-Chlordane					CAS #:	5103-71-9	
5.973	5.990	-0.017	292242	100.000	88	80.00-	120.00	100.00

8	4,4'-DDE					CAS #:	72-55-9	
6.097	6.113	-0.016	253913	100.000	90	80.00-	120.00	100.00

11	Endosulfan I					CAS #:	959-98-8	
6.187	6.203	-0.016	280560	100.000	90	80.00-	120.00	100.00

10	Dieldrin					CAS #:	60-57-1	
6.487	6.497	-0.010	262952	100.000	90	80.00-	120.00	100.00

14	Endrin					CAS #:	72-20-8	
6.727	6.737	-0.010	211404	100.000	87	80.00-	120.00	100.00

7	4,4'-DDD					CAS #:	72-54-8	
6.790	6.800	-0.010	208910	100.000	91	80.00-	120.00	100.00

12	Endosulfan II					CAS #:	33213-65-9	
6.950	6.960	-0.010	234189	100.000	92	80.00-	120.00	100.00

9	4,4'-DDT					CAS #:	50-29-3	
7.067	7.077	-0.010	214095	100.000	88	80.00-	120.00	100.00

15	Endrin aldehyde					CAS #:	7421-93-4	
7.377	7.383	-0.006	191162	100.000	91	80.00-	120.00	100.00

19	Methoxychlor					CAS #:	72-43-5	
7.577	7.587	-0.010	97244	100.000	85	80.00-	120.00	100.00

13	Endosulfan sulfate					CAS #:	1031-07-8	
7.840	7.847	-0.007	196953	100.000	92	80.00-	120.00	100.00

16	Endrin ketone					CAS #:	53494-70-5	
8.153	8.160	-0.007	220258	100.000	91	80.00-	120.00	100.00

AMOUNTS							
RT	EXP RT	DLT RT	CAL-AMT		ON-COL		RATIO
			RESPONSE (ug/L)	(ug/L)	TARGET RANGE		
==	=====	=====	=====	=====	=====		=====
\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3		
8.937	8.940	-0.003	195287	100.000	94 80.00- 120.00		100.00

Data File: WR703323.D

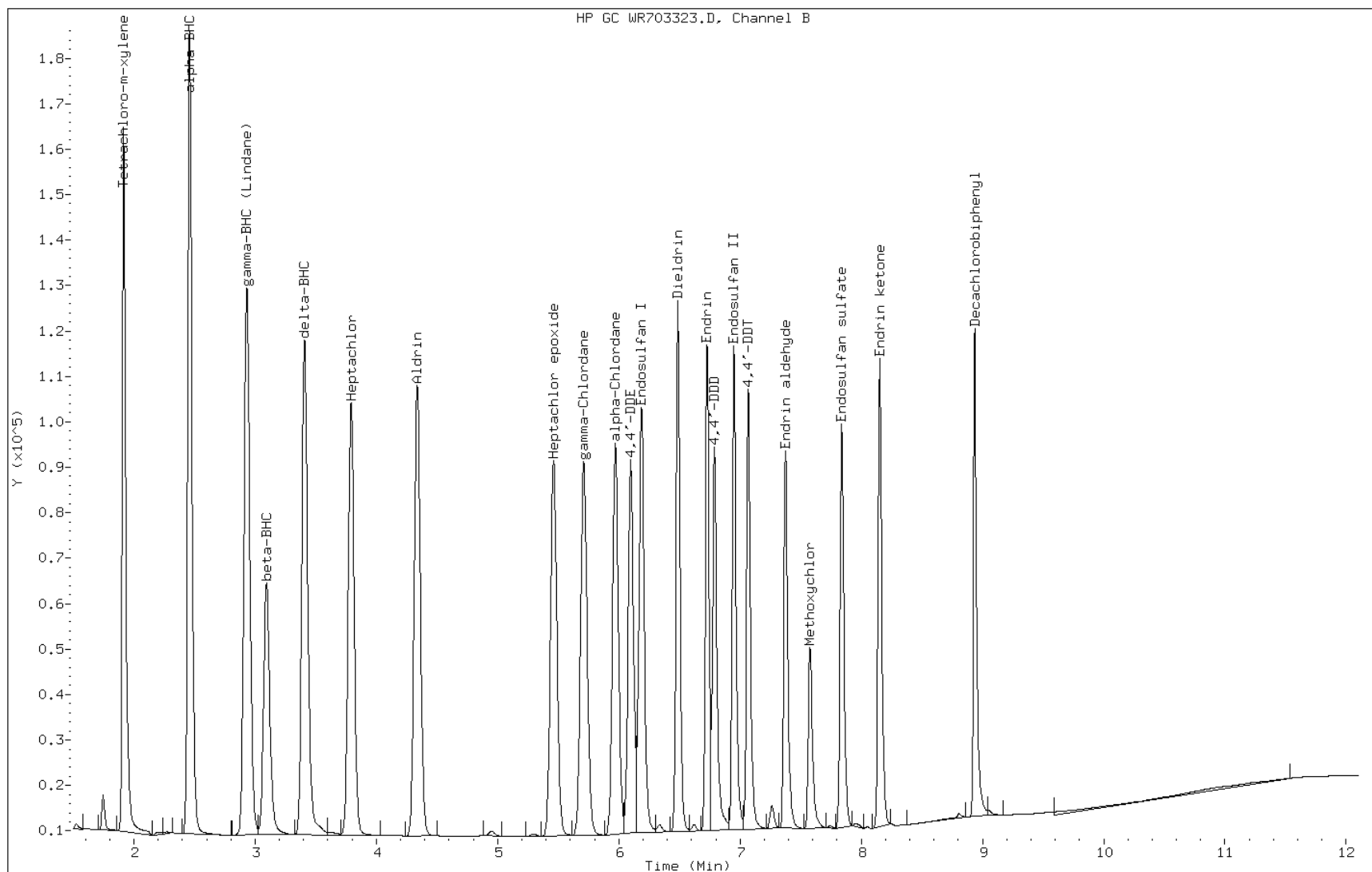
Date: 25-JUN-2012 06:48

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3_00013

Operator:



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCV 460-117505/24 Calibration Date: 06/25/2012 12:34
 Instrument ID: PESTGC4 Calib Start Date: 06/21/2012 07:00
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 06/21/2012 07:56
 Lab File ID: WF703342.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	4473	4492		100	100	0.4	15.0
gamma-BHC (Lindane)	Ave	4156	4124		99.2	100	-0.8	15.0
beta-BHC	Ave	1980	1937		97.8	100	-2.2	15.0
delta-BHC	Ave	3834	3700		96.5	100	-3.5	15.0
Heptachlor	Ave	4278	4081		95.4	100	-4.6	15.0
Aldrin	Ave	4009	4004		99.9	100	-0.1	15.0
Heptachlor epoxide	Ave	3075	2970		96.6	100	-3.4	15.0
gamma-Chlordane	Ave	2957	2888		97.7	100	-2.3	15.0
alpha-Chlordane	Ave	2755	2714		98.5	100	-1.5	15.0
Endosulfan I	Ave	2771	2713		97.9	100	-2.1	15.0
4,4'-DDE	Ave	2711	2771		102	100	2.2	15.0
Dieldrin	Ave	2916	2906		99.7	100	-0.3	15.0
Endrin	Ave	2499	2389		95.6	100	-4.4	15.0
4,4'-DDD	Ave	2212	2185		98.8	100	-1.2	15.0
Endosulfan II	Ave	2553	2604		102	100	2.0	15.0
4,4'-DDT	Ave	2250	2239		99.5	100	-0.5	15.0
Endrin aldehyde	Ave	1897	1884		99.3	100	-0.7	15.0
Endosulfan sulfate	Ave	1889	1778		94.1	100	-5.9	15.0
Methoxychlor	Ave	1057	993.9		94.0	100	-6.0	15.0
Endrin ketone	Ave	2139	2002		93.6	100	-6.4	15.0
Tetrachloro-m-xylene	Ave	3182	3083		96.9	100	-3.1	15.0
DCB Decachlorobiphenyl	Ave	2355	2260		96.0	100	-4.0	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCV 460-117505/24 Calibration Date: 06/25/2012 12:34
 Instrument ID: PESTGC4 Calib Start Date: 06/21/2012 07:00
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 06/21/2012 07:56
 Lab File ID: WF703342.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	3.39	3.34	3.44
gamma-BHC (Lindane)	4.09	4.04	4.14
beta-BHC	4.24	4.19	4.29
delta-BHC	4.82	4.77	4.87
Heptachlor	4.97	4.92	5.02
Aldrin	5.63	5.58	5.68
Heptachlor epoxide	6.55	6.48	6.62
gamma-Chlordane	6.75	6.68	6.82
alpha-Chlordane	6.90	6.83	6.97
Endosulfan I	6.97	6.90	7.04
4,4'-DDE	7.06	6.99	7.13
Dieldrin	7.26	7.19	7.33
Endrin	7.60	7.53	7.67
4,4'-DDD	7.70	7.63	7.77
Endosulfan II	7.84	7.77	7.91
4,4'-DDT	8.06	7.99	8.13
Endrin aldehyde	8.21	8.14	8.28
Endosulfan sulfate	8.47	8.40	8.54
Methoxychlor	8.67	8.60	8.74
Endrin ketone	8.87	8.80	8.94
Tetrachloro-m-xylene	2.33	2.28	2.38
DCB Decachlorobiphenyl	9.86	9.76	9.96

Data File: WF703342.D
Report Date: 26-Jun-2012 07:31

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703342.D
Lab Smp Id: PESTL3_00013
Inj Date : 25-JUN-2012 12:34
Operator :
Smp Info : SGPESTL3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
Meth Date : 26-Jun-2012 07:31 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WF703230.D
Continuing Calibration Sample
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
2.333	2.333	0.000	308285	100.000	97	80.00-	120.00	100.00

2 alpha-BHC					CAS #:	319-84-6		
3.393	3.393	0.000	449212	100.000	100	80.00-	120.00	100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
4.093	4.093	0.000	412350	100.000	99	80.00-	120.00	100.00

3 beta-BHC					CAS #:	319-85-7		
4.243	4.243	0.000	193692	100.000	98	80.00-	120.00	100.00

4 delta-BHC					CAS #:	319-86-8		
4.817	4.817	0.000	370017	100.000	96	80.00-	120.00	100.00

Data File: WF703342.D
Report Date: 26-Jun-2012 07:31

			AMOUNTS					
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====		=====
17 Heptachlor								
4.967	4.967	0.000	408149	100.000	CAS #: 95	76-44-8 80.00- 120.00		100.00

1 Aldrin								
5.633	5.633	0.000	400391	100.000	CAS #: 100	309-00-2 80.00- 120.00		100.00

18 Heptachlor epoxide								
6.547	6.547	0.000	297010	100.000	CAS #: 96	1024-57-3 80.00- 120.00		100.00

65 gamma-Chlordane								
6.750	6.750	0.000	288791	100.000	CAS #: 98	5103-74-2 80.00- 120.00		100.00

66 alpha-Chlordane								
6.903	6.903	0.000	271355	100.000	CAS #: 98	5103-71-9 80.00- 120.00		100.00

11 Endosulfan I								
6.970	6.970	0.000	271337	100.000	CAS #: 98	959-98-8 80.00- 120.00		100.00

8 4,4'-DDE								
7.063	7.063	0.000	277101	100.000	CAS #: 100	72-55-9 80.00- 120.00		100.00

10 Dieldrin								
7.263	7.263	0.000	290577	100.000	CAS #: 100	60-57-1 80.00- 120.00		100.00

14 Endrin								
7.603	7.603	0.000	238931	100.000	CAS #: 96	72-20-8 80.00- 120.00		100.00

7 4,4'-DDD								
7.700	7.700	0.000	218452	100.000	CAS #: 99	72-54-8 80.00- 120.00		100.00

12 Endosulfan II								
7.840	7.840	0.000	260384	100.000	CAS #: 100	33213-65-9 80.00- 120.00		100.00

9 4,4'-DDT								
8.060	8.060	0.000	223926	100.000	CAS #: 100	50-29-3 80.00- 120.00		100.00

15 Endrin aldehyde								
8.213	8.213	0.000	188370	100.000	CAS #: 99	7421-93-4 80.00- 120.00		100.00

13 Endosulfan sulfate								
8.467	8.467	0.000	177813	100.000	CAS #: 94	1031-07-8 80.00- 120.00		100.00

19 Methoxychlor								
8.667	8.667	0.000	99386	100.000	CAS #: 94	72-43-5 80.00- 120.00		100.00

16 Endrin ketone								
8.867	8.867	0.000	200237	100.000	CAS #: 94	53494-70-5 80.00- 120.00		100.00

Data File: WF703342.D
Report Date: 26-Jun-2012 07:31

		AMOUNTS									
		CAL-AMT		ON-COL							
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO					
==	=====	=====	=====	=====	=====	=====					
\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3						
9.857	9.857	0.000	226017	100.000	96 80.00- 120.00	100.00					

Data File: WF703342.D

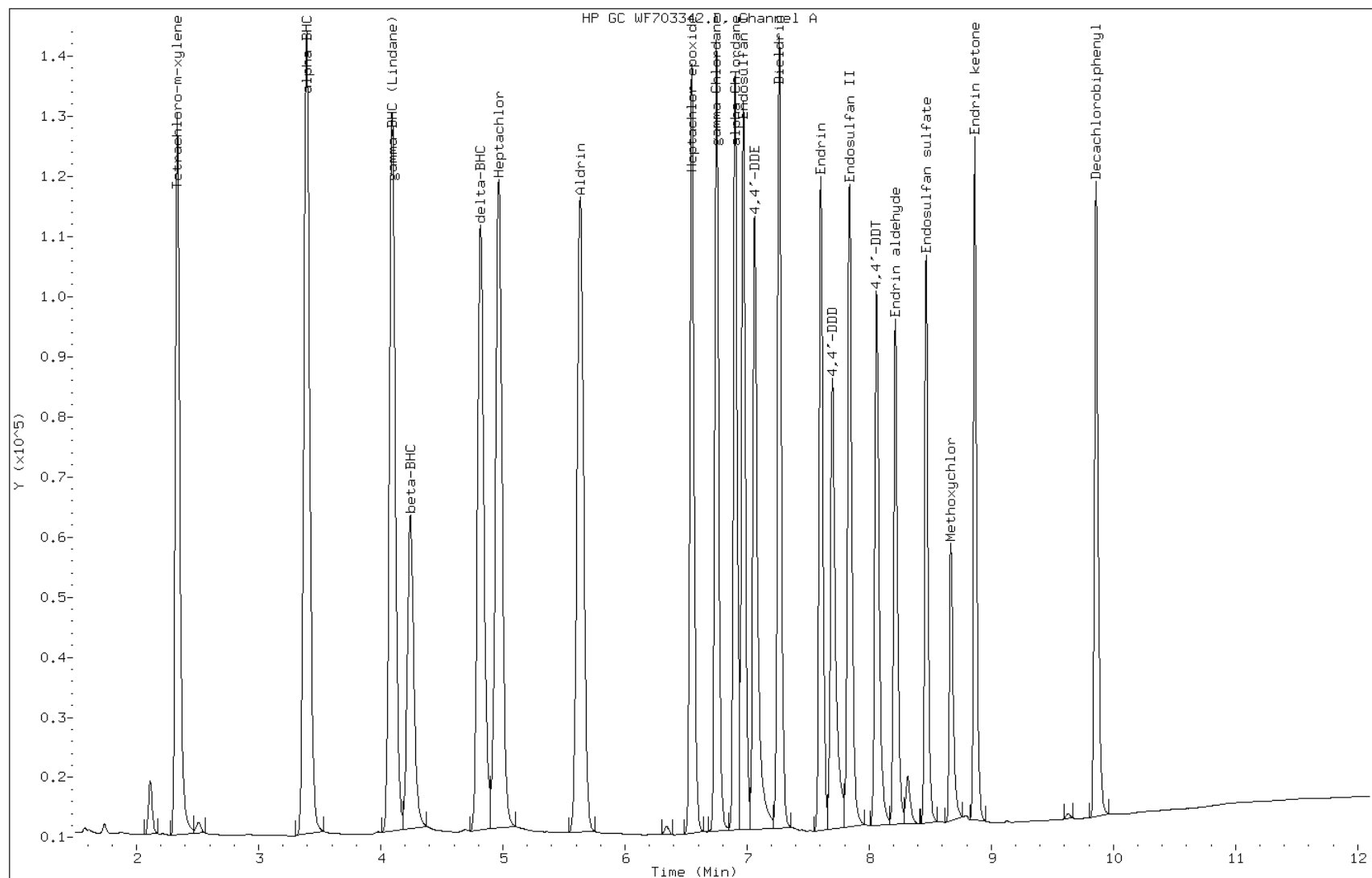
Date: 25-JUN-2012 12:34

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3_00013

Operator:



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCV 460-117505/24 Calibration Date: 06/25/2012 12:34
 Instrument ID: PESTGC4 Calib Start Date: 06/21/2012 07:00
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 06/21/2012 07:56
 Lab File ID: WR703342.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	4478	4407		98.4	100	-1.6	15.0
gamma-BHC (Lindane)	Ave	4310	4260		98.8	100	-1.2	15.0
beta-BHC	Ave	2097	2107		100	100	0.5	15.0
delta-BHC	Ave	3938	3923		99.6	100	-0.4	15.0
Heptachlor	Ave	3672	3374		91.9	100	-8.1	15.0
Aldrin	Ave	3765	3767		100	100	0.0	15.0
Heptachlor epoxide	Ave	3372	3434		102	100	1.8	15.0
gamma-Chlordane	Ave	3462	3574		103	100	3.3	15.0
alpha-Chlordane	Ave	3302	3329		101	100	0.8	15.0
4,4'-DDE	Ave	2820	2796		99.1	100	-0.9	15.0
Endosulfan I	Ave	3123	3338		107	100	6.9	15.0
Dieldrin	Ave	2930	3021		103	100	3.1	15.0
Endrin	Ave	2417	2381		98.5	100	-1.5	15.0
4,4'-DDD	Ave	2284	2447		107	100	7.1	15.0
Endosulfan II	Ave	2554	2713		106	100	6.3	15.0
4,4'-DDT	Ave	2434	2552		105	100	4.9	15.0
Endrin aldehyde	Ave	2095	2230		106	100	6.4	15.0
Methoxychlor	Ave	1142	1133		99.1	100	-0.9	15.0
Endosulfan sulfate	Ave	2131	2123		99.6	100	-0.4	15.0
Endrin ketone	Ave	2421	2431		100	100	0.4	15.0
Tetrachloro-m-xylene	Ave	3360	3322		98.9	100	-1.1	15.0
DCB Decachlorobiphenyl	Ave	2080	2069		99.5	100	-0.5	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCV 460-117505/24 Calibration Date: 06/25/2012 12:34
 Instrument ID: PESTGC4 Calib Start Date: 06/21/2012 07:00
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 06/21/2012 07:56
 Lab File ID: WR703342.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.47	2.42	2.52
gamma-BHC (Lindane)	2.95	2.90	3.00
beta-BHC	3.11	3.06	3.16
delta-BHC	3.42	3.37	3.47
Heptachlor	3.81	3.76	3.86
Aldrin	4.36	4.31	4.41
Heptachlor epoxide	5.48	5.41	5.55
gamma-Chlordane	5.73	5.66	5.80
alpha-Chlordane	5.99	5.92	6.06
4,4'-DDE	6.11	6.04	6.18
Endosulfan I	6.20	6.13	6.27
Dieldrin	6.50	6.43	6.57
Endrin	6.74	6.67	6.81
4,4'-DDD	6.80	6.73	6.87
Endosulfan II	6.96	6.89	7.03
4,4'-DDT	7.08	7.01	7.15
Endrin aldehyde	7.38	7.31	7.45
Methoxychlor	7.59	7.52	7.66
Endosulfan sulfate	7.85	7.78	7.92
Endrin ketone	8.16	8.09	8.23
Tetrachloro-m-xylene	1.92	1.87	1.97
DCB Decachlorobiphenyl	8.94	8.84	9.04

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703342.D
Lab Smp Id: PESTL3_00013
Inj Date : 25-JUN-2012 12:34
Operator :
Smp Info : SGPESTL3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WR703230.D
Continuing Calibration Sample
Compound Sublist: SCpestRANGE.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====		=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8		
1.920	1.920	0.000	332195	100.000	99	80.00- 120.00		100.00

2 alpha-BHC					CAS #:	319-84-6		
2.470	2.470	0.000	440735	100.000	98	80.00- 120.00		100.00

5 gamma-BHC (Lindane)					CAS #:	58-89-9		
2.950	2.950	0.000	425958	100.000	99	80.00- 120.00		100.00

3 beta-BHC					CAS #:	319-85-7		
3.110	3.110	0.000	210654	100.000	100	80.00- 120.00		100.00

4 delta-BHC					CAS #:	319-86-8		
3.423	3.423	0.000	392279	100.000	100	80.00- 120.00		100.00

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17 Heptachlor								
3.810	3.810	0.000	337364	100.000	92	80.00-	120.00	100.00
CAS #: 76-44-8								

1 Aldrin								
4.357	4.357	0.000	376722	100.000	100	80.00-	120.00	100.00
CAS #: 309-00-2								

18 Heptachlor epoxide								
5.483	5.483	0.000	343428	100.000	100	80.00-	120.00	100.00
CAS #: 1024-57-3								

65 gamma-Chlordane								
5.733	5.733	0.000	357430	100.000	100	80.00-	120.00	100.00
CAS #: 5103-74-2								

66 alpha-Chlordane								
5.990	5.990	0.000	332866	100.000	100	80.00-	120.00	100.00
CAS #: 5103-71-9								

8 4,4'-DDE								
6.113	6.113	0.000	279584	100.000	99	80.00-	120.00	100.00
CAS #: 72-55-9								

11 Endosulfan I								
6.203	6.203	0.000	333813	100.000	110	80.00-	120.00	100.00
CAS #: 959-98-8								

10 Dieldrin								
6.497	6.497	0.000	302130	100.000	100	80.00-	120.00	100.00
CAS #: 60-57-1								

14 Endrin								
6.737	6.737	0.000	238148	100.000	98	80.00-	120.00	100.00
CAS #: 72-20-8								

7 4,4'-DDD								
6.800	6.800	0.000	244713	100.000	110	80.00-	120.00	100.00
CAS #: 72-54-8								

12 Endosulfan II								
6.960	6.960	0.000	271347	100.000	110	80.00-	120.00	100.00
CAS #: 33213-65-9								

9 4,4'-DDT								
7.077	7.077	0.000	255177	100.000	100	80.00-	120.00	100.00
CAS #: 50-29-3								

15 Endrin aldehyde								
7.383	7.383	0.000	223012	100.000	110	80.00-	120.00	100.00
CAS #: 7421-93-4								

19 Methoxychlor								
7.587	7.587	0.000	113257	100.000	99	80.00-	120.00	100.00
CAS #: 72-43-5								

13 Endosulfan sulfate								
7.847	7.847	0.000	212275	100.000	100	80.00-	120.00	100.00
CAS #: 1031-07-8								

16 Endrin ketone								
8.160	8.160	0.000	243139	100.000	100	80.00-	120.00	100.00
CAS #: 53494-70-5								

AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)				CAS #: 2051-24-3			
8.940	8.940	0.000	206879	100.000	99	80.00- 120.00	100.00

Data File: WR703342.D

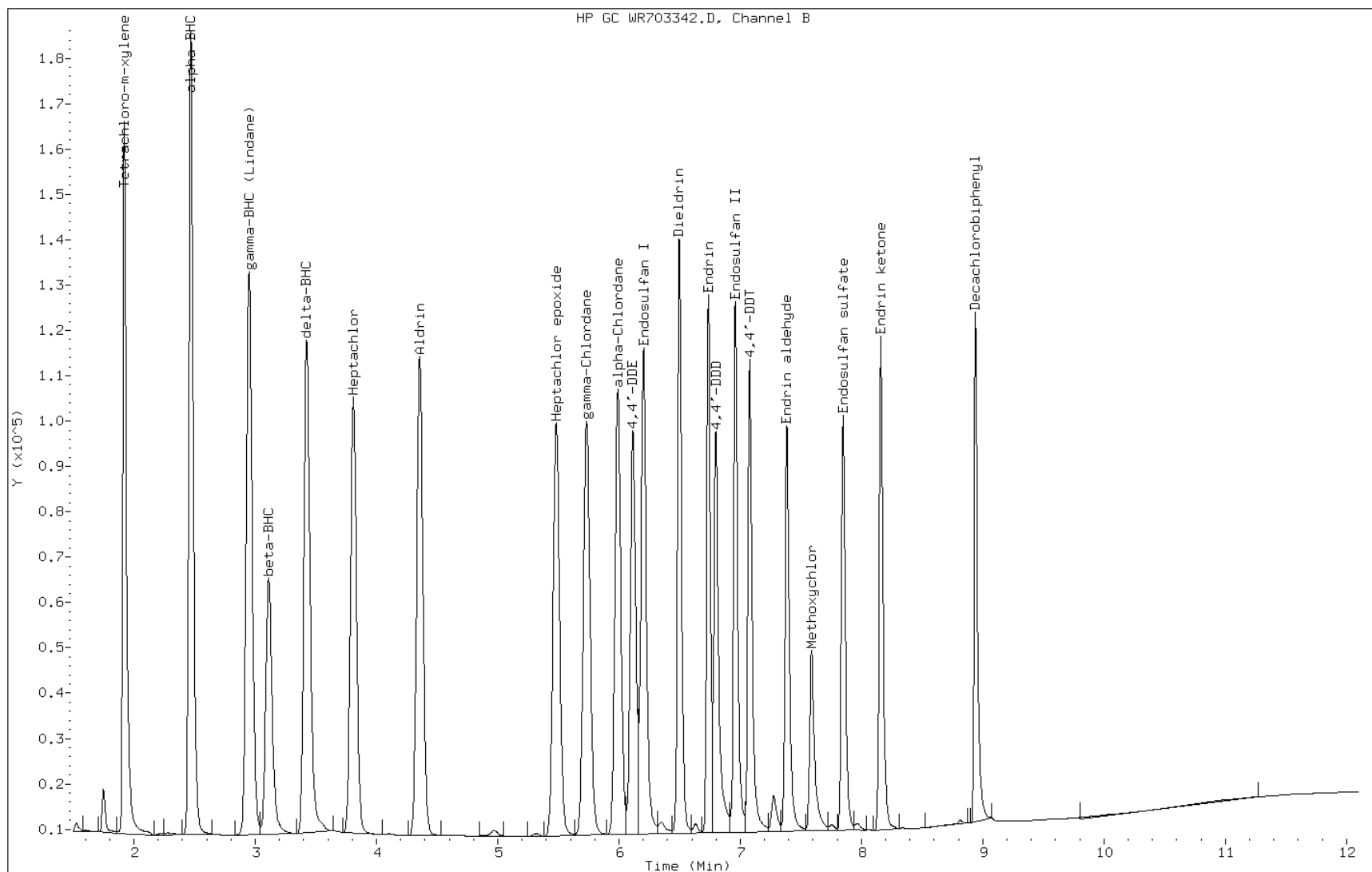
Date: 25-JUN-2012 12:34

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3_00013

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-117130/1-A
Matrix: Solid Lab File ID: WF703340.D
Analysis Method: 8081A Date Collected: _____
Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 12:06
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	128		40-150
2051-24-3	DCB Decachlorobiphenyl	126		53-150

Data File: WF703340.D
Report Date: 26-Jun-2012 07:31

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703340.D
Lab Smp Id: MB 460-117130/1-
Inj Date : 25-JUN-2012 12:06
Operator :
Smp Info : MB 460-117130/1-
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
Meth Date : 26-Jun-2012 07:30 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WF703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i

Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

		CONCENTRATIONS							
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene					CAS #: 877-09-8				
2.327	2.323	0.004	203966	64.0932	43	80.00- 120.00	100.00		
\$ 30 Decachlorobiphenyl					CAS #: 2051-24-3				
9.860	9.853	0.007	148368	63.0009	42	80.00- 120.00	100.00		

Data File: WF703340.D

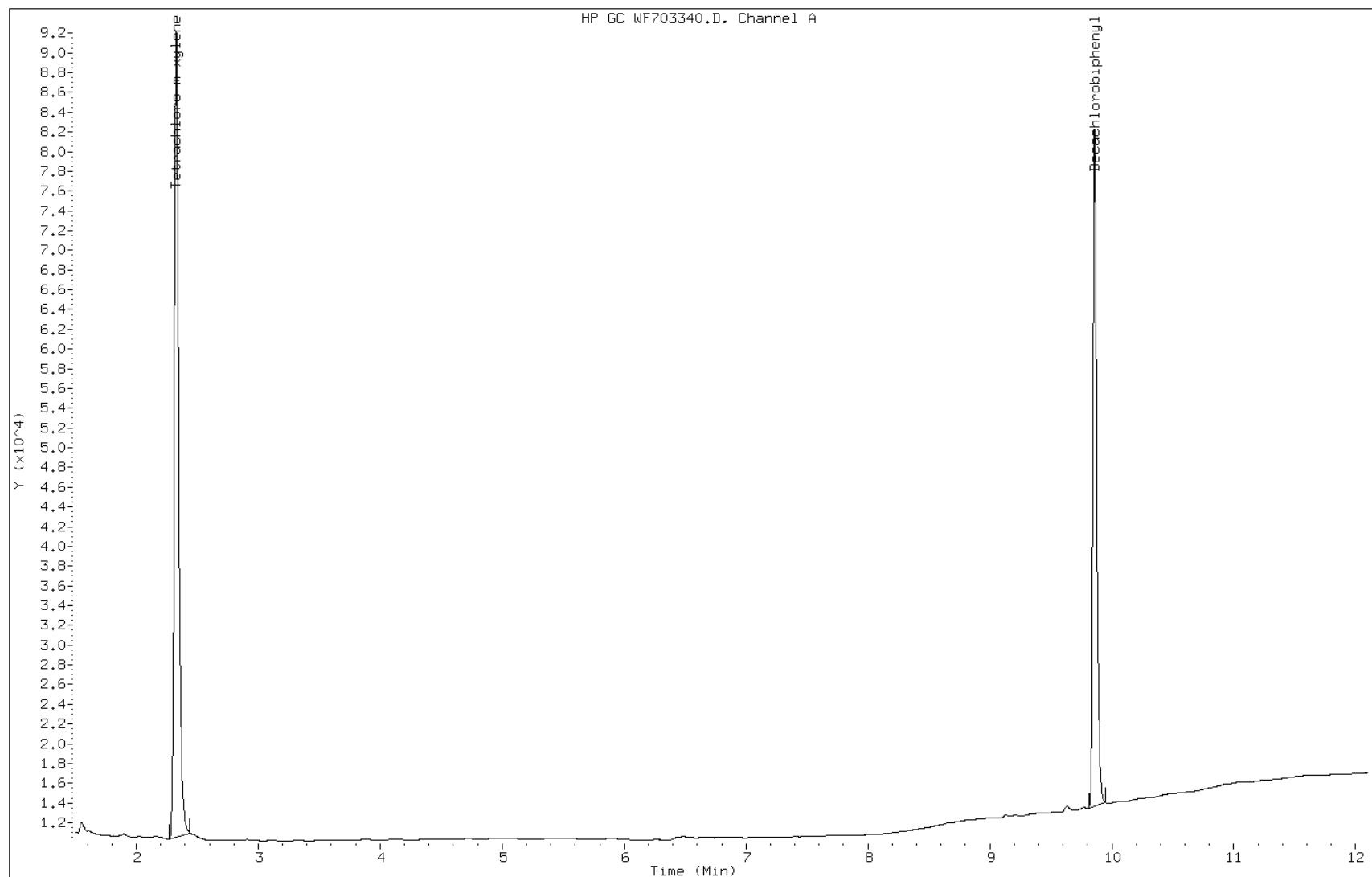
Date: 25-JUN-2012 12:06

Client ID:

Instrument: PESTGC4.i

Sample Info: MB 460-117130/1-

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-117130/1-A

Matrix: Solid Lab File ID: WR703340.D

Analysis Method: 8081A Date Collected: _____

Extraction Method: 3541 Date Extracted: 06/22/2012 09:49

Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 12:06

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

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

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

Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.5	U	6.7	1.5
319-84-6	alpha-BHC	1.2	U	6.7	1.2
319-85-7	beta-BHC	0.91	U	6.7	0.91
319-86-8	delta-BHC	1.0	U	6.7	1.0
58-89-9	gamma-BHC (Lindane)	0.78	U	6.7	0.78
57-74-9	Chlordane	15	U	67	15
72-54-8	4,4'-DDD	0.80	U	6.7	0.80
72-55-9	4,4'-DDE	1.3	U	6.7	1.3
50-29-3	4,4'-DDT	0.84	U	6.7	0.84
60-57-1	Dieldrin	1.3	U	6.7	1.3
959-98-8	Endosulfan I	1.4	U	6.7	1.4
33213-65-9	Endosulfan II	1.0	U	6.7	1.0
1031-07-8	Endosulfan sulfate	0.86	U	6.7	0.86
72-20-8	Endrin	0.94	U	6.7	0.94
7421-93-4	Endrin aldehyde	1.7	U	6.7	1.7
53494-70-5	Endrin ketone	0.99	U	6.7	0.99
76-44-8	Heptachlor	0.96	U	6.7	0.96
1024-57-3	Heptachlor epoxide	1.4	U	6.7	1.4
72-43-5	Methoxychlor	0.75	U	6.7	0.75
8001-35-2	Toxaphene	14	U	67	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	121		40-150
2051-24-3	DCB Decachlorobiphenyl	138		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703340.D
Lab Smp Id: MB 460-117130/1-
Inj Date : 25-JUN-2012 12:06
Operator :
Smp Info : MB 460-117130/1-
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie Quant Type: ESTD
Cal Date : 21-JUN-2012 08:24 Cal File: WR703230.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i

Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

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

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS							
		ON-COL	FINAL						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====		=====	
\$ 28 Tetrachloro-m-xylene CAS #: 877-09-8									
1.920	1.920	0.000	203809	60.6500	40	80.00- 120.00	100.00		

\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
8.940	8.940	0.000	143300	68.8975	46	80.00- 120.00	100.00		

Data File: WR703340.D

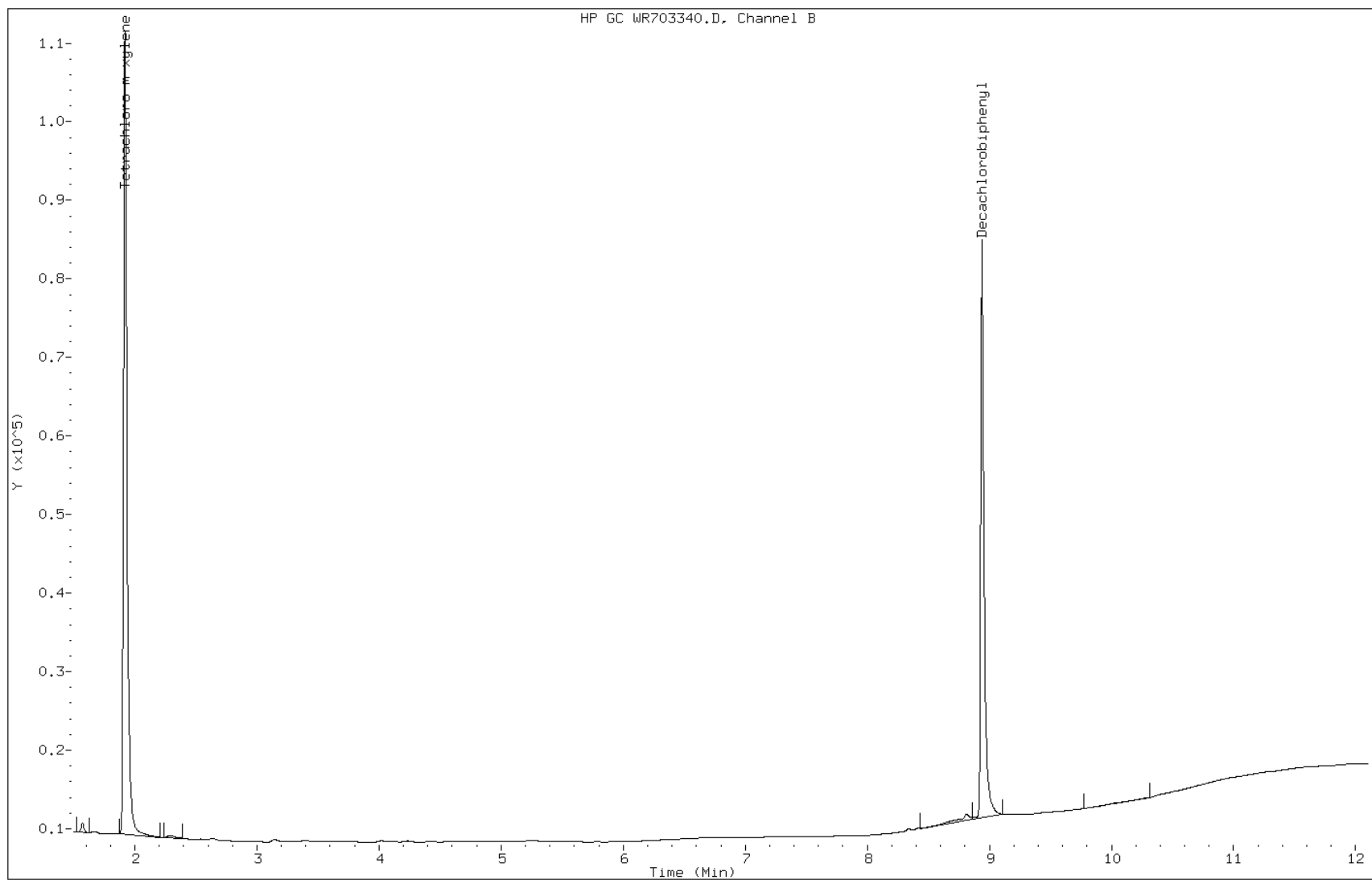
Date: 25-JUN-2012 12:06

Client ID:

Instrument: PESTGC4.i

Sample Info: MB 460-117130/1-

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-117130/2-A
 Matrix: Solid Lab File ID: WF703324.D
 Analysis Method: 8081A Date Collected: _____
 Extraction Method: 3541 Date Extracted: 06/22/2012 09:49
 Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 07:48
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	140		6.7	1.5
319-84-6	alpha-BHC	148		6.7	1.2
319-85-7	beta-BHC	147		6.7	0.91
319-86-8	delta-BHC	147		6.7	1.0
58-89-9	gamma-BHC (Lindane)	144		6.7	0.78
57-74-9	Chlordane	15	U	67	15
72-54-8	4,4'-DDD	153		6.7	0.80
72-55-9	4,4'-DDE	150		6.7	1.3
50-29-3	4,4'-DDT	151		6.7	0.84
60-57-1	Dieldrin	129		6.7	1.3
959-98-8	Endosulfan I	139		6.7	1.4
33213-65-9	Endosulfan II	138		6.7	1.0
1031-07-8	Endosulfan sulfate	146		6.7	0.86
72-20-8	Endrin	150		6.7	0.94
7421-93-4	Endrin aldehyde	129		6.7	1.7
53494-70-5	Endrin ketone	152		6.7	0.99
76-44-8	Heptachlor	142		6.7	0.96
1024-57-3	Heptachlor epoxide	134		6.7	1.4
72-43-5	Methoxychlor	154		6.7	0.75
8001-35-2	Toxaphene	14	U	67	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	136		40-150
2051-24-3	DCB Decachlorobiphenyl	125		53-150

Data File: WF703324.D
Report Date: 26-Jun-2012 11:04

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703324.D
Lab Smp Id: LCS 460-117130/2
Inj Date : 25-JUN-2012 07:48
Operator :
Smp Info : LCS 460-117130/2
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
Meth Date : 26-Jun-2012 07:31 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WF703230.D
QC Sample: BS
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene								
2.357	2.333	0.024	216203	67.9387	45	80.00-	120.00	100.00

2 alpha-BHC								
3.427	3.393	0.034	995783	222.613	150	80.00-	120.00	100.00

5 gamma-BHC (Lindane)								
4.127	4.093	0.034	899978	216.572	140	80.00-	120.00	100.00

3 beta-BHC								
4.273	4.243	0.030	435616	219.983	150	80.00-	120.00	100.00

4 delta-BHC								
4.847	4.817	0.030	846640	220.803	150	80.00-	120.00	100.00

Data File: WF703324.D
Report Date: 26-Jun-2012 11:04

RT	EXP RT	DLT RT	CONCENTRATIONS		RESPONSE (ug/L)	FINAL (ug/kg)	TARGET RANGE	RATIO
			ON-COL					
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #: 76-44-8		
4.997	4.967	0.030			911167 212.999	140	80.00- 120.00	100.00

1	Aldrin					CAS #: 309-00-2		
5.667	5.633	0.034			841768 209.995	140	80.00- 120.00	100.00

18	Heptachlor epoxide					CAS #: 1024-57-3		
6.560	6.547	0.013			617225 200.723	130	80.00- 120.00	100.00

65	gamma-Chlordane					CAS #: 5103-74-2		
6.763	6.750	0.013			608173 205.669	140	80.00- 120.00	100.00

66	alpha-Chlordane					CAS #: 5103-71-9		
6.913	6.903	0.010			573626 208.176	140	80.00- 120.00	100.00

11	Endosulfan I					CAS #: 959-98-8		
6.980	6.970	0.010			576998 208.236	140	80.00- 120.00	100.00

8	4,4'-DDE					CAS #: 72-55-9		
7.070	7.063	0.007			608969 224.648	150	80.00- 120.00	100.00

10	Dieldrin					CAS #: 60-57-1		
7.273	7.263	0.010			564229 193.511	130	80.00- 120.00	100.00

14	Endrin					CAS #: 72-20-8		
7.613	7.603	0.010			561581 224.726	150	80.00- 120.00	100.00

7	4,4'-DDD					CAS #: 72-54-8		
7.707	7.700	0.007			506093 228.845	150	80.00- 120.00	100.00

12	Endosulfan II					CAS #: 33213-65-9		
7.847	7.840	0.007			528009 206.838	140	80.00- 120.00	100.00

9	4,4'-DDT					CAS #: 50-29-3		
8.067	8.060	0.007			508770 226.099	150	80.00- 120.00	100.00

15	Endrin aldehyde					CAS #: 7421-93-4		
8.220	8.213	0.007			368504 194.213	130	80.00- 120.00	100.00

13	Endosulfan sulfate					CAS #: 1031-07-8		
8.470	8.467	0.003			414275 219.259	150	80.00- 120.00	100.00

19	Methoxychlor					CAS #: 72-43-5		
8.670	8.667	0.003			244395 231.194	150	80.00- 120.00	100.00

16	Endrin ketone					CAS #: 53494-70-5		
8.867	8.867	0.000			486571 227.519	150	80.00- 120.00	100.00

Data File: WF703324.D
 Report Date: 26-Jun-2012 11:04

			CONCENTRATIONS					
			ON-COL	FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
\$ 30 Decachlorobiphenyl			CAS #: 2051-24-3					
9.860	9.857	0.003	147476	62.6224	42	80.00- 120.00	100.00	

Data File: WF703324.D

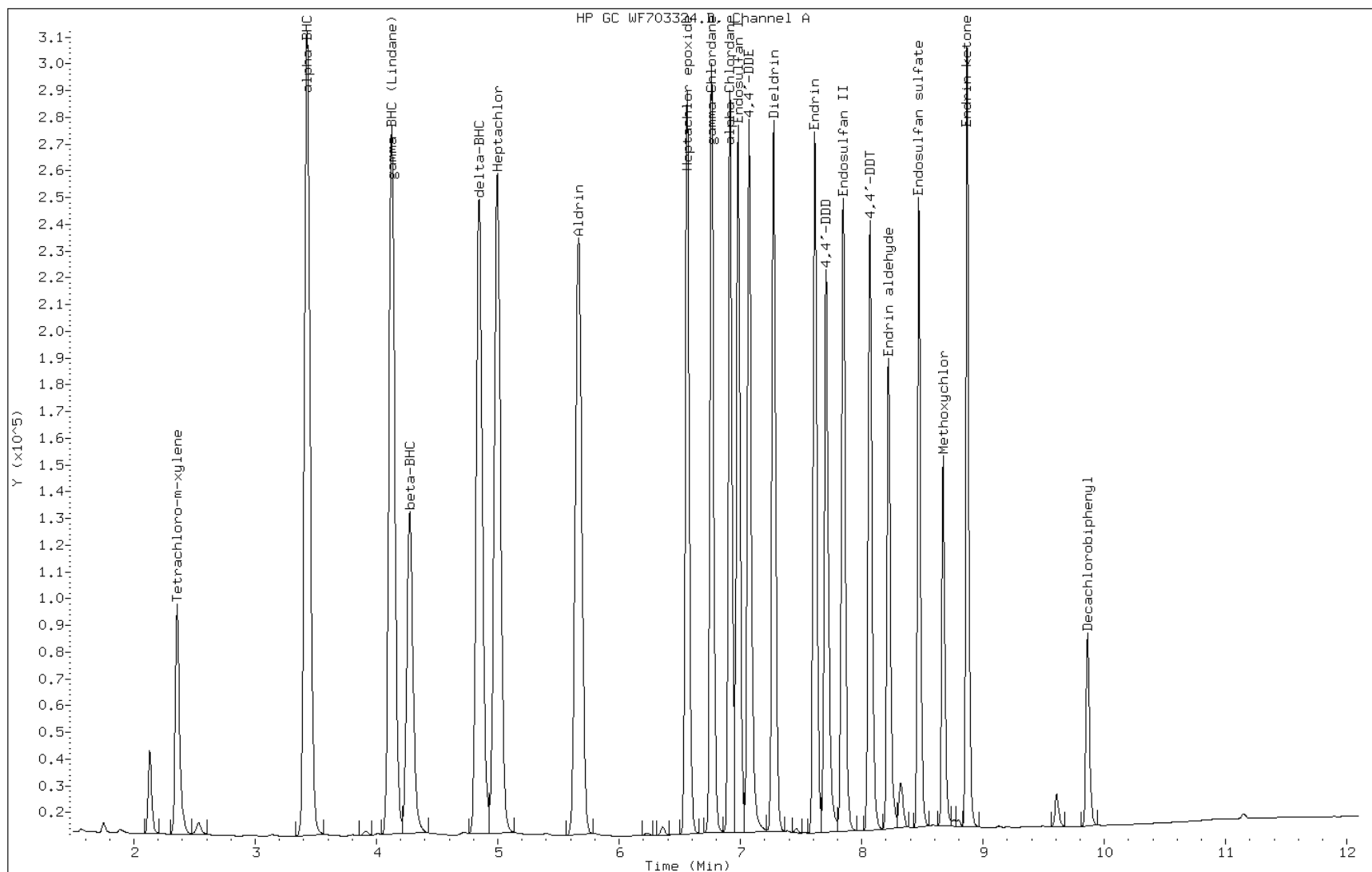
Date: 25-JUN-2012 07:48

Client ID:

Instrument: PESTGC4.i

Sample Info: LCS 460-117130/2

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-117130/2-A

Matrix: Solid Lab File ID: WR703324.D

Analysis Method: 8081A Date Collected: _____

Extraction Method: 3541 Date Extracted: 06/22/2012 09:49

Sample wt/vol: 15.00(g) Date Analyzed: 06/25/2012 07:48

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

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

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

Analysis Batch No.: 117505 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	143		6.7	1.5
319-84-6	alpha-BHC	144		6.7	1.2
319-85-7	beta-BHC	146		6.7	0.91
319-86-8	delta-BHC	147		6.7	1.0
58-89-9	gamma-BHC (Lindane)	145		6.7	0.78
57-74-9	Chlordane	15	U	67	15
72-54-8	4,4'-DDD	143		6.7	0.80
72-55-9	4,4'-DDE	144		6.7	1.3
50-29-3	4,4'-DDT	136		6.7	0.84
60-57-1	Dieldrin	124		6.7	1.3
959-98-8	Endosulfan I	134		6.7	1.4
33213-65-9	Endosulfan II	133		6.7	1.0
1031-07-8	Endosulfan sulfate	139		6.7	0.86
72-20-8	Endrin	139		6.7	0.94
7421-93-4	Endrin aldehyde	124		6.7	1.7
53494-70-5	Endrin ketone	143		6.7	0.99
76-44-8	Heptachlor	141		6.7	0.96
1024-57-3	Heptachlor epoxide	137		6.7	1.4
72-43-5	Methoxychlor	133		6.7	0.75
8001-35-2	Toxaphene	14	U	67	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	132		40-150
2051-24-3	DCB Decachlorobiphenyl	132		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703324.D
Lab Smp Id: LCS 460-117130/2
Inj Date : 25-JUN-2012 07:48
Operator :
Smp Info : LCS 460-117130/2
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WR703230.D
QC Sample: BS
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====		=====	=====	=====	=====		=====
\$ 28 Tetrachloro-m-xylene									
1.917	1.920	-0.003		221878	66.0270	44	80.00-	120.00	100.00

2 alpha-BHC									
2.463	2.470	-0.007		964331	215.325	140	80.00-	120.00	100.00

5 gamma-BHC (Lindane)									
2.940	2.950	-0.010		935097	216.983	140	80.00-	120.00	100.00

3 beta-BHC									
3.103	3.110	-0.007		460629	219.701	150	80.00-	120.00	100.00

4 delta-BHC									
3.417	3.423	-0.006		866792	220.121	150	80.00-	120.00	100.00

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
17 Heptachlor						CAS #:	76-44-8	
3.803	3.810	-0.007	775118	211.064	140	80.00-	120.00	100.00

1 Aldrin						CAS #:	309-00-2	
4.350	4.357	-0.007	808190	214.639	140	80.00-	120.00	100.00

18 Heptachlor epoxide						CAS #:	1024-57-3	
5.473	5.483	-0.010	694977	206.094	140	80.00-	120.00	100.00

65 gamma-Chlordane						CAS #:	5103-74-2	
5.727	5.733	-0.006	712984	205.972	140	80.00-	120.00	100.00

66 alpha-Chlordane						CAS #:	5103-71-9	
5.987	5.990	-0.003	656068	198.664	130	80.00-	120.00	100.00

8 4,4'-DDE						CAS #:	72-55-9	
6.107	6.113	-0.006	607917	215.578	140	80.00-	120.00	100.00

11 Endosulfan I						CAS #:	959-98-8	
6.197	6.203	-0.006	629175	201.492	130	80.00-	120.00	100.00

10 Dieldrin						CAS #:	60-57-1	
6.493	6.497	-0.004	544999	186.021	120	80.00-	120.00	100.00

14 Endrin						CAS #:	72-20-8	
6.733	6.737	-0.004	504067	208.566	140	80.00-	120.00	100.00

7 4,4'-DDD						CAS #:	72-54-8	
6.793	6.800	-0.007	489056	214.089	140	80.00-	120.00	100.00

12 Endosulfan II						CAS #:	33213-65-9	
6.957	6.960	-0.003	510055	199.720	130	80.00-	120.00	100.00

9 4,4'-DDT						CAS #:	50-29-3	
7.073	7.077	-0.004	496436	203.998	140	80.00-	120.00	100.00

15 Endrin aldehyde						CAS #:	7421-93-4	
7.380	7.383	-0.003	389504	185.905	120	80.00-	120.00	100.00

19 Methoxychlor						CAS #:	72-43-5	
7.583	7.587	-0.004	227482	199.110	130	80.00-	120.00	100.00

13 Endosulfan sulfate						CAS #:	1031-07-8	
7.843	7.847	-0.004	443142	207.902	140	80.00-	120.00	100.00

16 Endrin ketone						CAS #:	53494-70-5	
8.157	8.160	-0.003	517580	213.756	140	80.00-	120.00	100.00

Data File: WR703324.D
 Report Date: 26-Jun-2012 11:04

Page 3

		CONCENTRATIONS							
		ON-COL	FINAL						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====			
\$ 30 Decachlorobiphenyl			CAS #: 2051-24-3						
8.937	8.940	-0.003	136859	65.8007	44	80.00-	120.00	100.00	

Data File: WR703324.D

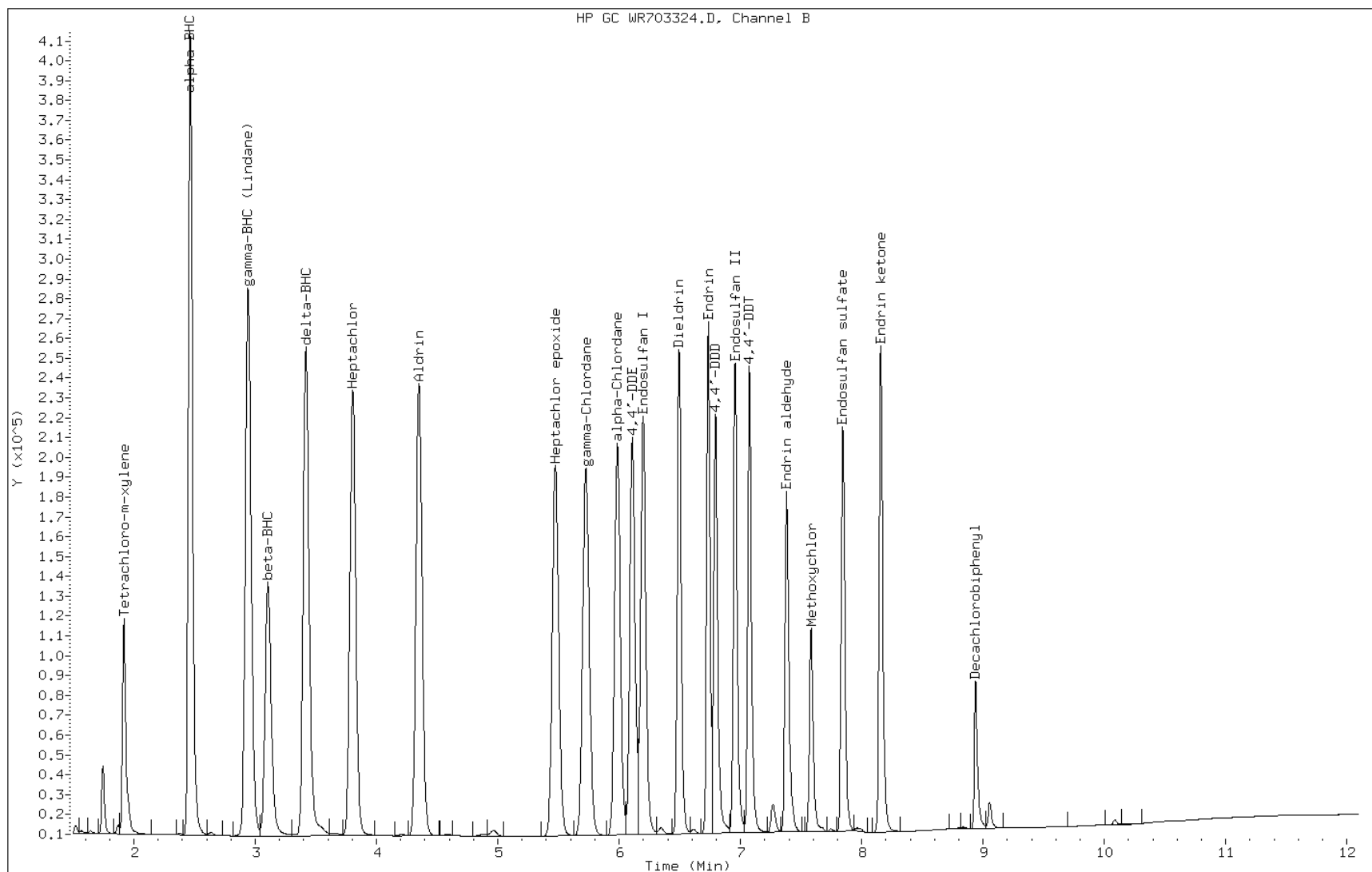
Date: 25-JUN-2012 07:48

Client ID:

Instrument: PESTGC4.i

Sample Info: LCS 460-117130/2

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-12 MS</u>	Lab Sample ID: <u>460-41546-21 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>WF703325.D</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>06/20/2012 15:10</u>
Extraction Method: <u>3541</u>	Date Extracted: <u>06/22/2012 09:49</u>
Sample wt/vol: <u>15.00(g)</u>	Date Analyzed: <u>06/25/2012 08:03</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53(mm)</u>
% Moisture: <u>7.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117505</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	155		7.2	1.6
319-84-6	alpha-BHC	156		7.2	1.3
319-85-7	beta-BHC	155		7.2	0.98
319-86-8	delta-BHC	151		7.2	1.1
58-89-9	gamma-BHC (Lindane)	153		7.2	0.84
57-74-9	Chlordane	16	U	72	16
72-54-8	4,4'-DDD	162		7.2	0.86
72-55-9	4,4'-DDE	162		7.2	1.4
50-29-3	4,4'-DDT	158		7.2	0.91
60-57-1	Dieldrin	140		7.2	1.4
959-98-8	Endosulfan I	151		7.2	1.5
33213-65-9	Endosulfan II	148		7.2	1.1
1031-07-8	Endosulfan sulfate	149		7.2	0.93
72-20-8	Endrin	157		7.2	1.0
7421-93-4	Endrin aldehyde	134		7.2	1.8
53494-70-5	Endrin ketone	153		7.2	1.1
76-44-8	Heptachlor	154		7.2	1.0
1024-57-3	Heptachlor epoxide	148		7.2	1.5
72-43-5	Methoxychlor	153		7.2	0.81
8001-35-2	Toxaphene	15	U	72	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	131		40-150
2051-24-3	DCB Decachlorobiphenyl	121		53-150

Data File: WF703325.D
Report Date: 26-Jun-2012 11:04

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703325.D
Lab Smp Id: 460-41546-D-21-G
Inj Date : 25-JUN-2012 08:03
Operator :
Smp Info : 460-41546-D-21-G
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
Meth Date : 26-Jun-2012 07:31 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WF703230.D
QC Sample: MS
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RT	RESPONSE	(ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====		=====	=====	=====	=====	=====	
\$ 28	Tetrachloro-m-xylene				CAS #:		877-09-8		
2.327	2.333	-0.006		208402	65.4872	44	80.00-	120.00	100.00

2	alpha-BHC				CAS #:		319-84-6		
3.377	3.393	-0.016		970689	217.003	140	80.00-	120.00	100.00

5	gamma-BHC (Lindane)				CAS #:		58-89-9		
4.077	4.093	-0.016		886873	213.419	140	80.00-	120.00	100.00

3	beta-BHC				CAS #:		319-85-7		
4.223	4.243	-0.020		426147	215.201	140	80.00-	120.00	100.00

4	delta-BHC				CAS #:		319-86-8		
4.800	4.817	-0.017		806409	210.311	140	80.00-	120.00	100.00

Data File: WF703325.D
Report Date: 26-Jun-2012 11:04

RT	EXP RT	DLT RT	CONCENTRATIONS		RESPONSE (ug/L)	FINAL (ug/kg)	TARGET RANGE	RATIO
			ON-COL					
==	=====	=====	=====	=====	=====	=====	=====	=====
17 Heptachlor						CAS #: 76-44-8		
4.950	4.967	-0.017		915943 214.116	140	80.00- 120.00	100.00	

1 Aldrin						CAS #: 309-00-2		
5.617	5.633	-0.016		862878 215.261	140	80.00- 120.00	100.00	

18 Heptachlor epoxide						CAS #: 1024-57-3		
6.540	6.547	-0.007		634288 206.273	140	80.00- 120.00	100.00	

65 gamma-Chlordane						CAS #: 5103-74-2		
6.743	6.750	-0.007		614229 207.716	140	80.00- 120.00	100.00	

66 alpha-Chlordane						CAS #: 5103-71-9		
6.897	6.903	-0.006		577960 209.749	140	80.00- 120.00	100.00	

11 Endosulfan I						CAS #: 959-98-8		
6.963	6.970	-0.007		580107 209.358	140	80.00- 120.00	100.00	

8 4,4'-DDE						CAS #: 72-55-9		
7.053	7.063	-0.010		609676 224.909	150	80.00- 120.00	100.00	

10 Dieldrin						CAS #: 60-57-1		
7.257	7.263	-0.006		566377 194.248	130	80.00- 120.00	100.00	

14 Endrin						CAS #: 72-20-8		
7.597	7.603	-0.006		545706 218.374	140	80.00- 120.00	100.00	

7 4,4'-DDD						CAS #: 72-54-8		
7.690	7.700	-0.010		497886 225.134	150	80.00- 120.00	100.00	

12 Endosulfan II						CAS #: 33213-65-9		
7.833	7.840	-0.007		524972 205.649	140	80.00- 120.00	100.00	

9 4,4'-DDT						CAS #: 50-29-3		
8.053	8.060	-0.007		494114 219.586	150	80.00- 120.00	100.00	

15 Endrin aldehyde						CAS #: 7421-93-4		
8.207	8.213	-0.006		352868 185.972	120	80.00- 120.00	100.00	

13 Endosulfan sulfate						CAS #: 1031-07-8		
8.460	8.467	-0.007		391889 207.411	140	80.00- 120.00	100.00	

19 Methoxychlor						CAS #: 72-43-5		
8.663	8.667	-0.004		224580 212.449	140	80.00- 120.00	100.00	

16 Endrin ketone						CAS #: 53494-70-5		
8.863	8.867	-0.004		456147 213.293	140	80.00- 120.00	100.00	

Data File: WF703325.D
 Report Date: 26-Jun-2012 11:04

			CONCENTRATIONS					
			ON-COL	FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
\$ 30 Decachlorobiphenyl			CAS #: 2051-24-3					
9.857	9.857	0.000	142169	60.3689	40	80.00- 120.00	100.00	

Data File: WF703325.D

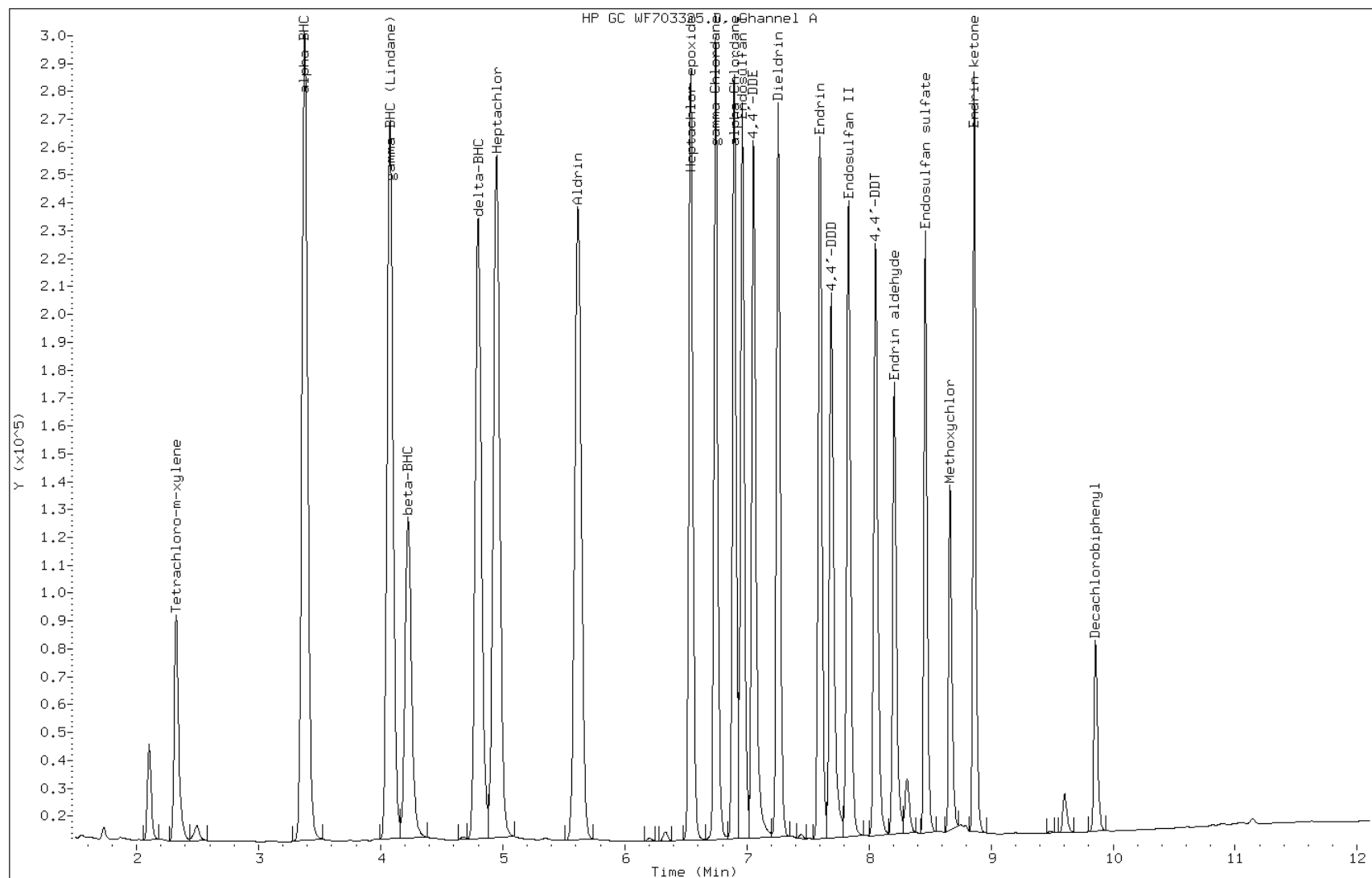
Date: 25-JUN-2012 08:03

Client ID:

Instrument: PESTGC4.i

Sample Info: 460-41546-D-21-G

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-12 MS</u>	Lab Sample ID: <u>460-41546-21 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>WR703325.D</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>06/20/2012 15:10</u>
Extraction Method: <u>3541</u>	Date Extracted: <u>06/22/2012 09:49</u>
Sample wt/vol: <u>15.00 (g)</u>	Date Analyzed: <u>06/25/2012 08:03</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>7.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117505</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	152		7.2	1.6
319-84-6	alpha-BHC	150		7.2	1.3
319-85-7	beta-BHC	152		7.2	0.98
319-86-8	delta-BHC	150		7.2	1.1
58-89-9	gamma-BHC (Lindane)	151		7.2	0.84
57-74-9	Chlordane	16	U	72	16
72-54-8	4,4'-DDD	160		7.2	0.86
72-55-9	4,4'-DDE	159		7.2	1.4
50-29-3	4,4'-DDT	152		7.2	0.91
60-57-1	Dieldrin	138		7.2	1.4
959-98-8	Endosulfan I	152		7.2	1.5
33213-65-9	Endosulfan II	146		7.2	1.1
1031-07-8	Endosulfan sulfate	147		7.2	0.93
72-20-8	Endrin	149		7.2	1.0
7421-93-4	Endrin aldehyde	136		7.2	1.8
53494-70-5	Endrin ketone	149		7.2	1.1
76-44-8	Heptachlor	147		7.2	1.0
1024-57-3	Heptachlor epoxide	152		7.2	1.5
72-43-5	Methoxychlor	149		7.2	0.81
8001-35-2	Toxaphene	15	U	72	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	128		40-150
2051-24-3	DCB Decachlorobiphenyl	134		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703325.D
Lab Smp Id: 460-41546-D-21-G
Inj Date : 25-JUN-2012 08:03
Operator :
Smp Info : 460-41546-D-21-G
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WR703230.D
QC Sample: MS
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RT	RESPONSE	(ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====		=====	=====	=====	=====	=====	
\$ 28 Tetrachloro-m-xylene						CAS #:	877-09-8		
1.917	1.920	-0.003		215188	64.0364	43	80.00-	120.00	100.00

2 alpha-BHC						CAS #:	319-84-6		
2.460	2.470	-0.010		932738	208.270	140	80.00-	120.00	100.00

5 gamma-BHC (Lindane)						CAS #:	58-89-9		
2.930	2.950	-0.020		907162	210.501	140	80.00-	120.00	100.00

3 beta-BHC						CAS #:	319-85-7		
3.093	3.110	-0.017		443248	211.412	140	80.00-	120.00	100.00

4 delta-BHC						CAS #:	319-86-8		
3.407	3.423	-0.016		821850	208.708	140	80.00-	120.00	100.00

RT	EXP RT	DLT RT	CONCENTRATIONS		RESPONSE (ug/L)	ON-COL (ug/kg)	FINAL (ug/kg)	TARGET RANGE	RATIO
17	Heptachlor						CAS #: 76-44-8		
3.793	3.810	-0.017			750280	204.301	140	80.00- 120.00	100.00
1	Aldrin						CAS #: 309-00-2		
4.337	4.357	-0.020			796170	211.447	140	80.00- 120.00	100.00
18	Heptachlor epoxide						CAS #: 1024-57-3		
5.463	5.483	-0.020			711517	210.999	140	80.00- 120.00	100.00
65	gamma-Chlordane						CAS #: 5103-74-2		
5.713	5.733	-0.020			743957	214.920	140	80.00- 120.00	100.00
66	alpha-Chlordane						CAS #: 5103-71-9		
5.973	5.990	-0.017			690300	209.030	140	80.00- 120.00	100.00
8	4,4'-DDE						CAS #: 72-55-9		
6.097	6.113	-0.016			625381	221.771	150	80.00- 120.00	100.00
11	Endosulfan I						CAS #: 959-98-8		
6.190	6.203	-0.013			659571	211.226	140	80.00- 120.00	100.00
10	Dieldrin						CAS #: 60-57-1		
6.487	6.497	-0.010			563114	192.204	130	80.00- 120.00	100.00
14	Endrin						CAS #: 72-20-8		
6.730	6.737	-0.007			502026	207.722	140	80.00- 120.00	100.00
7	4,4'-DDD						CAS #: 72-54-8		
6.790	6.800	-0.010			507378	222.110	150	80.00- 120.00	100.00
12	Endosulfan II						CAS #: 33213-65-9		
6.950	6.960	-0.010			518915	203.190	140	80.00- 120.00	100.00
9	4,4'-DDT						CAS #: 50-29-3		
7.070	7.077	-0.007			514029	211.228	140	80.00- 120.00	100.00
15	Endrin aldehyde						CAS #: 7421-93-4		
7.377	7.383	-0.006			397066	189.515	130	80.00- 120.00	100.00
19	Methoxychlor						CAS #: 72-43-5		
7.577	7.587	-0.010			237354	207.752	140	80.00- 120.00	100.00
13	Endosulfan sulfate						CAS #: 1031-07-8		
7.840	7.847	-0.007			436974	205.008	140	80.00- 120.00	100.00
16	Endrin ketone						CAS #: 53494-70-5		
8.153	8.160	-0.007			502207	207.407	140	80.00- 120.00	100.00

Data File: WR703325.D
Report Date: 26-Jun-2012 11:04

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				CONCENTRATIONS					
				ON-COL	FINAL				
RT	EXP RT	DLT RT		RESPONSE (ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====		=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl CAS #: 2051-24-3									
8.937	8.940	-0.003		139442	67.0428	45	80.00- 120.00	100.00	

Data File: WR703325.D

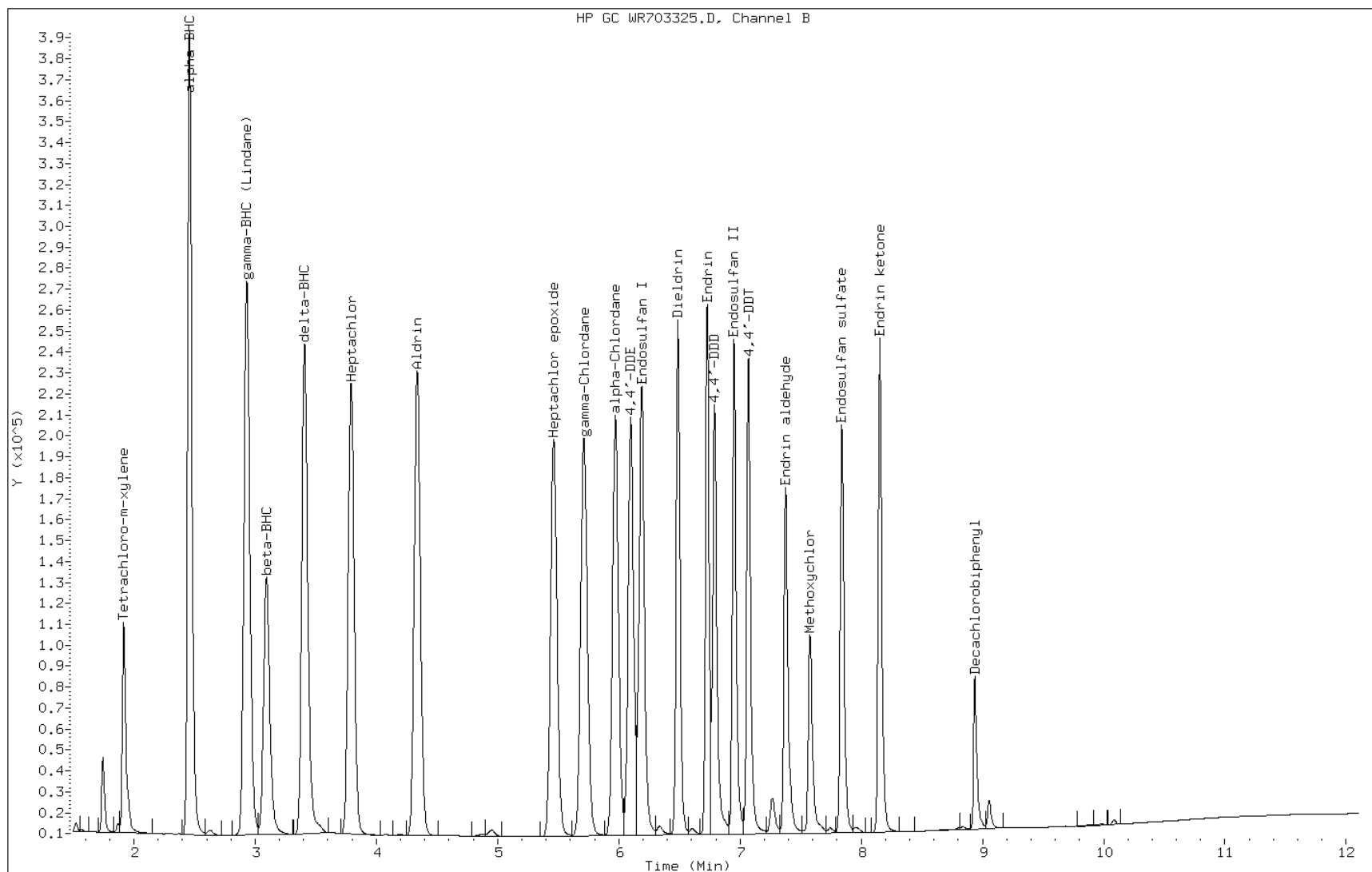
Date: 25-JUN-2012 08:03

Client ID:

Instrument: PESTGC4.i

Sample Info: 460-41546-D-21-G

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-12 MSD</u>	Lab Sample ID: <u>460-41546-21 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>WF703326.D</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>06/20/2012 15:10</u>
Extraction Method: <u>3541</u>	Date Extracted: <u>06/22/2012 09:49</u>
Sample wt/vol: <u>15.03(g)</u>	Date Analyzed: <u>06/25/2012 08:17</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53(mm)</u>
% Moisture: <u>7.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117505</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	156		7.2	1.6
319-84-6	alpha-BHC	158		7.2	1.3
319-85-7	beta-BHC	156		7.2	0.98
319-86-8	delta-BHC	152		7.2	1.1
58-89-9	gamma-BHC (Lindane)	154		7.2	0.84
57-74-9	Chlordane	16	U	72	16
72-54-8	4,4'-DDD	163		7.2	0.86
72-55-9	4,4'-DDE	164		7.2	1.4
50-29-3	4,4'-DDT	159		7.2	0.90
60-57-1	Dieldrin	141		7.2	1.4
959-98-8	Endosulfan I	154		7.2	1.5
33213-65-9	Endosulfan II	148		7.2	1.1
1031-07-8	Endosulfan sulfate	148		7.2	0.93
72-20-8	Endrin	159		7.2	1.0
7421-93-4	Endrin aldehyde	133		7.2	1.8
53494-70-5	Endrin ketone	153		7.2	1.1
76-44-8	Heptachlor	156		7.2	1.0
1024-57-3	Heptachlor epoxide	150		7.2	1.5
72-43-5	Methoxychlor	152		7.2	0.81
8001-35-2	Toxaphene	15	U	72	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	129		40-150
2051-24-3	DCB Decachlorobiphenyl	119		53-150

Data File: WF703326.D
 Report Date: 26-Jun-2012 11:04

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/WF703326.D
 Lab Smp Id: 460-41546-D-21-H
 Inj Date : 25-JUN-2012 08:17
 Operator : Inst ID: PESTGC4.i
 Smp Info : 460-41546-D-21-H
 Misc Info :
 Comment :
 Method : /chem1/PESTGC4.i/8081T/front/Jun12/06-25-12/25jun12a.b/08Wf8081.m
 Meth Date : 26-Jun-2012 07:31 ferdie Quant Type: ESTD
 Cal Date : 21-JUN-2012 08:24 Cal File: WF703230.D
 Als bottle: 1 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Allpest.sub
 Target Version: 3.50 Sample Matrix: SOIL
 Processing Host: hpd3

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RT	RESPONSE	(ug/L)	(ug/kg)	TARGET RANGE	RATIO	
==	=====	=====		=====	=====	=====	=====	=====	
\$ 28	Tetrachloro-m-xylene				CAS #:		877-09-8		
2.323	2.333	-0.010		204739	64.3364	43	80.00-	120.00	100.00

2	alpha-BHC				CAS #:		319-84-6		
3.377	3.393	-0.016		982952	219.744	150	80.00-	120.00	100.00

5	gamma-BHC (Lindane)				CAS #:		58-89-9		
4.077	4.093	-0.016		892650	214.809	140	80.00-	120.00	100.00

3	beta-BHC				CAS #:		319-85-7		
4.223	4.243	-0.020		429717	217.004	140	80.00-	120.00	100.00

4	delta-BHC				CAS #:		319-86-8		
4.797	4.817	-0.020		813887	212.261	140	80.00-	120.00	100.00

Data File: WF703326.D
Report Date: 26-Jun-2012 11:04

RT	EXP RT	DLT RT	CONCENTRATIONS		RESPONSE (ug/L)	FINAL (ug/kg)	TARGET RANGE	RATIO
			ON-COL					
==	=====	=====	=====	=====	=====	=====	=====	=====
17	Heptachlor					CAS #: 76-44-8		
4.947	4.967	-0.020	928527	217.057	140	80.00- 120.00	100.00	

1	Aldrin					CAS #: 309-00-2		
5.613	5.633	-0.020	871300	217.362	140	80.00- 120.00	100.00	

18	Heptachlor epoxide					CAS #: 1024-57-3		
6.540	6.547	-0.007	643875	209.390	140	80.00- 120.00	100.00	

65	gamma-Chlordane					CAS #: 5103-74-2		
6.743	6.750	-0.007	623822	210.961	140	80.00- 120.00	100.00	

66	alpha-Chlordane					CAS #: 5103-71-9		
6.893	6.903	-0.010	579823	210.424	140	80.00- 120.00	100.00	

11	Endosulfan I					CAS #: 959-98-8		
6.963	6.970	-0.007	594659	214.610	140	80.00- 120.00	100.00	

8	4,4'-DDE					CAS #: 72-55-9		
7.053	7.063	-0.010	619702	228.607	150	80.00- 120.00	100.00	

10	Dieldrin					CAS #: 60-57-1		
7.257	7.263	-0.006	574688	197.098	130	80.00- 120.00	100.00	

14	Endrin					CAS #: 72-20-8		
7.597	7.603	-0.006	552934	221.266	150	80.00- 120.00	100.00	

7	4,4'-DDD					CAS #: 72-54-8		
7.690	7.700	-0.010	501422	226.733	150	80.00- 120.00	100.00	

12	Endosulfan II					CAS #: 33213-65-9		
7.833	7.840	-0.007	527867	206.783	140	80.00- 120.00	100.00	

9	4,4'-DDT					CAS #: 50-29-3		
8.053	8.060	-0.007	497511	221.095	150	80.00- 120.00	100.00	

15	Endrin aldehyde					CAS #: 7421-93-4		
8.207	8.213	-0.006	352077	185.555	120	80.00- 120.00	100.00	

13	Endosulfan sulfate					CAS #: 1031-07-8		
8.460	8.467	-0.007	390691	206.777	140	80.00- 120.00	100.00	

19	Methoxychlor					CAS #: 72-43-5		
8.663	8.667	-0.004	224080	211.976	140	80.00- 120.00	100.00	

16	Endrin ketone					CAS #: 53494-70-5		
8.860	8.867	-0.007	456607	213.508	140	80.00- 120.00	100.00	

Data File: WF703326.D
 Report Date: 26-Jun-2012 11:04

		CONCENTRATIONS							
		ON-COL	FINAL						
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET	RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====		
\$ 30 Decachlorobiphenyl			CAS #: 2051-24-3						
9.857	9.857	0.000	140630	59.7153	40	80.00-	120.00	100.00	

Data File: WF703326.D

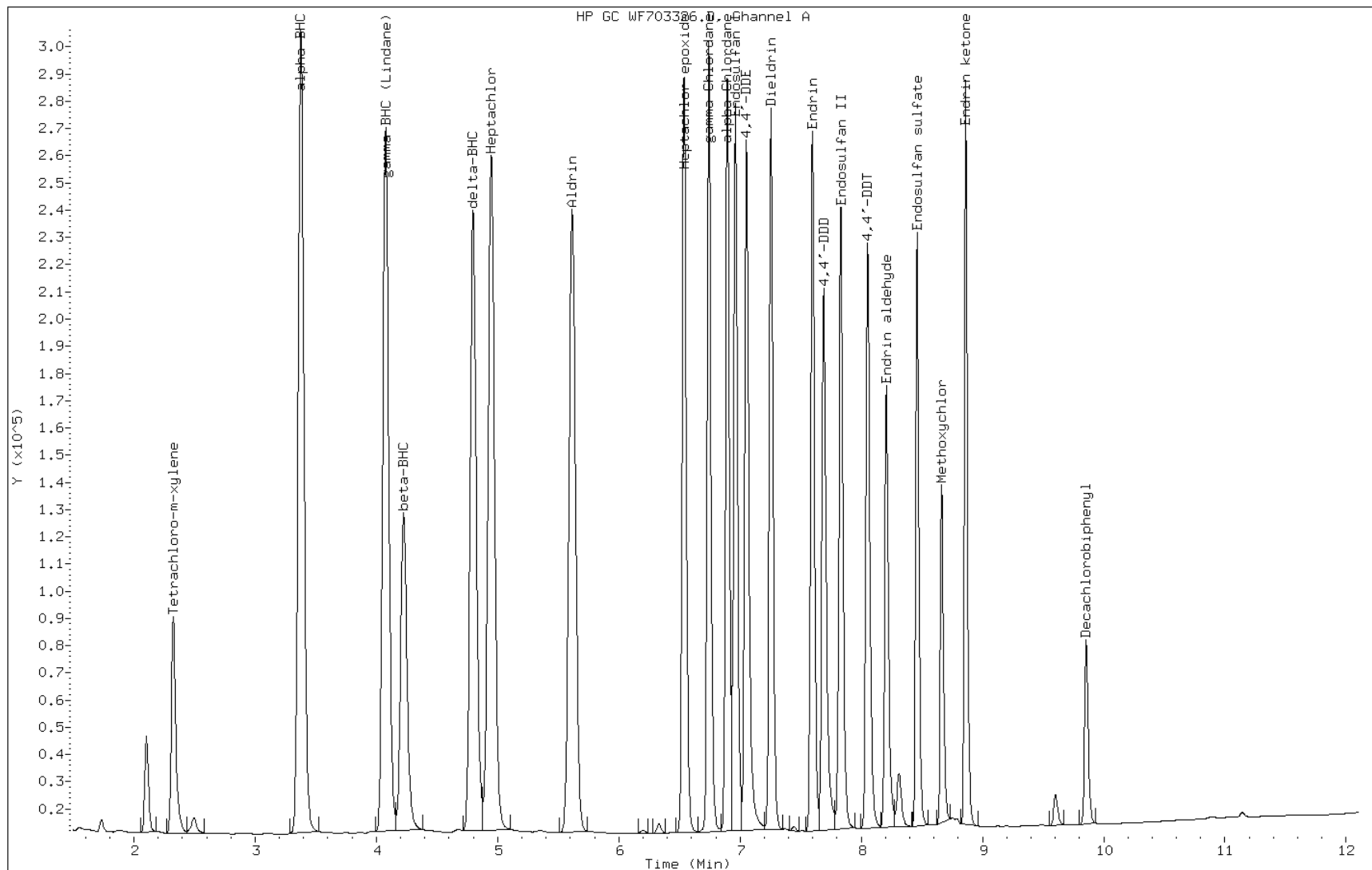
Date: 25-JUN-2012 08:17

Client ID:

Instrument: PESTGC4.i

Sample Info: 460-41546-D-21-H

Operator:



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG No.: _____	
Client Sample ID: <u>F-12 MSD</u>	Lab Sample ID: <u>460-41546-21 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>WR703326.D</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>06/20/2012 15:10</u>
Extraction Method: <u>3541</u>	Date Extracted: <u>06/22/2012 09:49</u>
Sample wt/vol: <u>15.03(g)</u>	Date Analyzed: <u>06/25/2012 08:17</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>7.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>117505</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	152		7.2	1.6
319-84-6	alpha-BHC	150		7.2	1.3
319-85-7	beta-BHC	155		7.2	0.98
319-86-8	delta-BHC	151		7.2	1.1
58-89-9	gamma-BHC (Lindane)	153		7.2	0.84
57-74-9	Chlordane	16	U	72	16
72-54-8	4,4'-DDD	159		7.2	0.86
72-55-9	4,4'-DDE	161		7.2	1.4
50-29-3	4,4'-DDT	150		7.2	0.90
60-57-1	Dieldrin	139		7.2	1.4
959-98-8	Endosulfan I	152		7.2	1.5
33213-65-9	Endosulfan II	146		7.2	1.1
1031-07-8	Endosulfan sulfate	145		7.2	0.93
72-20-8	Endrin	151		7.2	1.0
7421-93-4	Endrin aldehyde	134		7.2	1.8
53494-70-5	Endrin ketone	149		7.2	1.1
76-44-8	Heptachlor	149		7.2	1.0
1024-57-3	Heptachlor epoxide	153		7.2	1.5
72-43-5	Methoxychlor	142		7.2	0.81
8001-35-2	Toxaphene	15	U	72	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	125		40-150
2051-24-3	DCB Decachlorobiphenyl	130		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/WR703326.D
Lab Smp Id: 460-41546-D-21-H
Inj Date : 25-JUN-2012 08:17
Operator :
Smp Info : 460-41546-D-21-H
Misc Info :
Comment :
Method : /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b/08Wr8081.m
Meth Date : 26-Jun-2012 07:10 ferdie
Cal Date : 21-JUN-2012 08:24
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC4.i
Quant Type: ESTD
Cal File: WR703230.D
QC Sample: MSD
Compound Sublist: Allpest.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO		
==	=====	=====		=====	=====	=====	=====		
\$ 28 Tetrachloro-m-xylene					CAS #: 877-09-8				
1.917	1.920	-0.003		210741	62.7128	42	80.00-	120.00	100.00

2 alpha-BHC					CAS #: 319-84-6				
2.460	2.470	-0.010		938803	209.625	140	80.00-	120.00	100.00

5 gamma-BHC (Lindane)					CAS #: 58-89-9				
2.933	2.950	-0.017		918435	213.117	140	80.00-	120.00	100.00

3 beta-BHC					CAS #: 319-85-7				
3.097	3.110	-0.013		454464	216.761	140	80.00-	120.00	100.00

4 delta-BHC					CAS #: 319-86-8				
3.410	3.423	-0.013		828306	210.348	140	80.00-	120.00	100.00

RT	EXP RT	DLT RT	CONCENTRATIONS		RESPONSE (ug/L)	ON-COL FINAL (ug/kg)	TARGET RANGE	RATIO
17	Heptachlor					CAS #: 76-44-8		
3.793	3.810	-0.017			764570 208.192	140	80.00- 120.00	100.00
1	Aldrin					CAS #: 309-00-2		
4.337	4.357	-0.020			800025 212.471	140	80.00- 120.00	100.00
18	Heptachlor epoxide					CAS #: 1024-57-3		
5.463	5.483	-0.020			718540 213.082	140	80.00- 120.00	100.00
65	gamma-Chlordane					CAS #: 5103-74-2		
5.713	5.733	-0.020			747658 215.989	140	80.00- 120.00	100.00
66	alpha-Chlordane					CAS #: 5103-71-9		
5.973	5.990	-0.017			692659 209.745	140	80.00- 120.00	100.00
8	4,4'-DDE					CAS #: 72-55-9		
6.097	6.113	-0.016			631940 224.097	150	80.00- 120.00	100.00
11	Endosulfan I					CAS #: 959-98-8		
6.190	6.203	-0.013			661883 211.967	140	80.00- 120.00	100.00
10	Dieldrin					CAS #: 60-57-1		
6.487	6.497	-0.010			567712 193.774	130	80.00- 120.00	100.00
14	Endrin					CAS #: 72-20-8		
6.727	6.737	-0.010			508498 210.400	140	80.00- 120.00	100.00
7	4,4'-DDD					CAS #: 72-54-8		
6.790	6.800	-0.010			505832 221.433	150	80.00- 120.00	100.00
12	Endosulfan II					CAS #: 33213-65-9		
6.950	6.960	-0.010			519753 203.518	140	80.00- 120.00	100.00
9	4,4'-DDT					CAS #: 50-29-3		
7.067	7.077	-0.010			509922 209.540	140	80.00- 120.00	100.00
15	Endrin aldehyde					CAS #: 7421-93-4		
7.377	7.383	-0.006			390649 186.452	120	80.00- 120.00	100.00
19	Methoxychlor					CAS #: 72-43-5		
7.577	7.587	-0.010			225543 197.413	130	80.00- 120.00	100.00
13	Endosulfan sulfate					CAS #: 1031-07-8		
7.840	7.847	-0.007			430052 201.761	130	80.00- 120.00	100.00
16	Endrin ketone					CAS #: 53494-70-5		
8.153	8.160	-0.007			504670 208.424	140	80.00- 120.00	100.00

Data File: WR703326.D
Report Date: 26-Jun-2012 11:04

Page 3

		CONCENTRATIONS							
		ON-COL		FINAL					
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 30 Decachlorobiphenyl					CAS #: 2051-24-3				
8.937	8.940	-0.003	135261	65.0326	43	80.00-	120.00	100.00	

Data File: WR703326.D

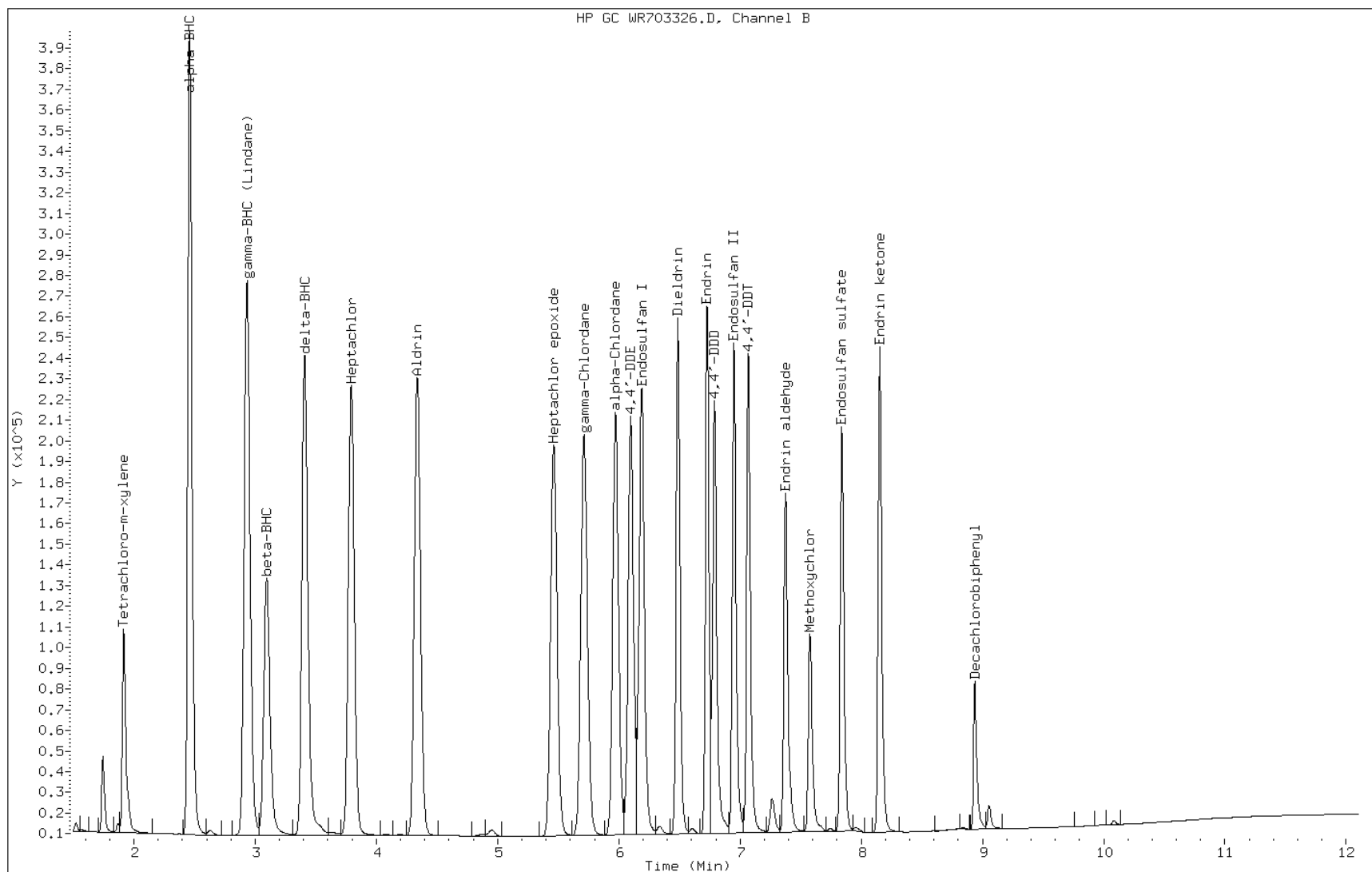
Date: 25-JUN-2012 08:17

Client ID:

Instrument: PESTGC4.i

Sample Info: 460-41546-D-21-H

Operator:



PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: PESTGC4 Start Date: 06/21/2012 06:05

Analysis Batch Number: 116941 End Date: 06/21/2012 08:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RINSE 460-116941/1		06/21/2012 06:05	1		CLP-2 0.53 (mm)
RINSE 460-116941/1		06/21/2012 06:05	1		CLP-1 0.53 (mm)
RESC 460-116941/2		06/21/2012 06:19	1		CLP-2 0.53 (mm)
RESC 460-116941/2		06/21/2012 06:19	1		CLP-1 0.53 (mm)
PIBLK 460-116941/3		06/21/2012 06:33	1		CLP-2 0.53 (mm)
PIBLK 460-116941/3		06/21/2012 06:33	1		CLP-1 0.53 (mm)
PEM 460-116941/4		06/21/2012 06:46	1		CLP-2 0.53 (mm)
PEM 460-116941/4		06/21/2012 06:46	1		CLP-1 0.53 (mm)
IC 460-116941/5		06/21/2012 07:00	1	WF703224.D	CLP-2 0.53 (mm)
IC 460-116941/5		06/21/2012 07:00	1	WR703224.D	CLP-1 0.53 (mm)
IC 460-116941/6		06/21/2012 07:14	1	WF703225.D	CLP-2 0.53 (mm)
IC 460-116941/6		06/21/2012 07:14	1	WR703225.D	CLP-1 0.53 (mm)
IC 460-116941/7		06/21/2012 07:28	1	WF703226.D	CLP-2 0.53 (mm)
IC 460-116941/7		06/21/2012 07:28	1	WR703226.D	CLP-1 0.53 (mm)
IC 460-116941/8		06/21/2012 07:42	1	WF703227.D	CLP-2 0.53 (mm)
IC 460-116941/8		06/21/2012 07:42	1	WR703227.D	CLP-1 0.53 (mm)
IC 460-116941/9		06/21/2012 07:56	1	WF703228.D	CLP-2 0.53 (mm)
IC 460-116941/9		06/21/2012 07:56	1	WR703228.D	CLP-1 0.53 (mm)
IC 460-116941/10		06/21/2012 08:10	1	WF703229.D	CLP-2 0.53 (mm)
IC 460-116941/10		06/21/2012 08:10	1	WR703229.D	CLP-1 0.53 (mm)
IC 460-116941/11		06/21/2012 08:24	1	WF703230.D	CLP-2 0.53 (mm)
IC 460-116941/11		06/21/2012 08:24	1	WR703230.D	CLP-1 0.53 (mm)
ICV 460-116941/12		06/21/2012 08:38	1		CLP-2 0.53 (mm)
ICV 460-116941/12		06/21/2012 08:38	1		CLP-1 0.53 (mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-41546-1

SDG No.: _____

Instrument ID: PESTGC4Start Date: 06/25/2012 05:53Analysis Batch Number: 117505End Date: 06/25/2012 12:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RINSE 460-117505/1		06/25/2012 05:53	1		CLP-2 0.53 (mm)
RINSE 460-117505/1		06/25/2012 05:53	1		CLP-1 0.53 (mm)
ZZZZZ		06/25/2012 06:07	1		CLP-2 0.53 (mm)
ZZZZZ		06/25/2012 06:07	1		CLP-1 0.53 (mm)
ZZZZZ		06/25/2012 06:21	1		CLP-2 0.53 (mm)
ZZZZZ		06/25/2012 06:21	1		CLP-1 0.53 (mm)
PEM 460-117505/4		06/25/2012 06:35	1	WF703322.D	CLP-2 0.53 (mm)
PEM 460-117505/4		06/25/2012 06:35	1	WR703322.D	CLP-1 0.53 (mm)
CCVRT 460-117505/5		06/25/2012 06:48	1	WF703323.D	CLP-2 0.53 (mm)
CCVRT 460-117505/5		06/25/2012 06:48	1	WR703323.D	CLP-1 0.53 (mm)
LCS 460-117130/2-A		06/25/2012 07:48	1	WF703324.D	CLP-2 0.53 (mm)
LCS 460-117130/2-A		06/25/2012 07:48	1	WR703324.D	CLP-1 0.53 (mm)
460-41546-21 MS	F-12 MS	06/25/2012 08:03	1	WF703325.D	CLP-2 0.53 (mm)
460-41546-21 MS	F-12 MS	06/25/2012 08:03	1	WR703325.D	CLP-1 0.53 (mm)
460-41546-21 MSD	F-12 MSD	06/25/2012 08:17	1	WF703326.D	CLP-2 0.53 (mm)
460-41546-21 MSD	F-12 MSD	06/25/2012 08:17	1	WR703326.D	CLP-1 0.53 (mm)
460-41546-21	F-12	06/25/2012 08:30	1	WF703327.D	CLP-2 0.53 (mm)
460-41546-21	F-12	06/25/2012 08:30	1	WR703327.D	CLP-1 0.53 (mm)
460-41546-17	F-8	06/25/2012 08:44	1	WF703328.D	CLP-2 0.53 (mm)
460-41546-17	F-8	06/25/2012 08:44	1	WR703328.D	CLP-1 0.53 (mm)
460-41546-18	F-9	06/25/2012 08:58	1	WF703329.D	CLP-2 0.53 (mm)
460-41546-18	F-9	06/25/2012 08:58	1	WR703329.D	CLP-1 0.53 (mm)
460-41546-19	F-10	06/25/2012 09:12	1	WF703330.D	CLP-2 0.53 (mm)
460-41546-19	F-10	06/25/2012 09:12	1	WR703330.D	CLP-1 0.53 (mm)
460-41546-20	F-11	06/25/2012 09:26	1	WF703331.D	CLP-2 0.53 (mm)
460-41546-20	F-11	06/25/2012 09:26	1	WR703331.D	CLP-1 0.53 (mm)
460-41546-22	F-13	06/25/2012 09:40	1	WF703332.D	CLP-2 0.53 (mm)
460-41546-22	F-13	06/25/2012 09:40	1	WR703332.D	CLP-1 0.53 (mm)
460-41546-23	FB-E	06/25/2012 09:54	1	WF703333.D	CLP-2 0.53 (mm)
460-41546-23	FB-E	06/25/2012 09:54	1	WR703333.D	CLP-1 0.53 (mm)
ZZZZZ		06/25/2012 10:40	1		CLP-2 0.53 (mm)
ZZZZZ		06/25/2012 10:40	1		CLP-1 0.53 (mm)
ZZZZZ		06/25/2012 10:53	1		CLP-2 0.53 (mm)
ZZZZZ		06/25/2012 10:53	1		CLP-1 0.53 (mm)
ZZZZZ		06/25/2012 11:11	1		CLP-2 0.53 (mm)
ZZZZZ		06/25/2012 11:11	1		CLP-1 0.53 (mm)
ZZZZZ		06/25/2012 11:24	1		CLP-2 0.53 (mm)
ZZZZZ		06/25/2012 11:24	1		CLP-1 0.53 (mm)
ZZZZZ		06/25/2012 11:38	1		CLP-2 0.53 (mm)
ZZZZZ		06/25/2012 11:38	1		CLP-1 0.53 (mm)
ZZZZZ		06/25/2012 11:52	1		CLP-2 0.53 (mm)
ZZZZZ		06/25/2012 11:52	1		CLP-1 0.53 (mm)
MB 460-117130/1-A		06/25/2012 12:06	1	WF703340.D	CLP-2 0.53 (mm)
MB 460-117130/1-A		06/25/2012 12:06	1	WR703340.D	CLP-1 0.53 (mm)
ZZZZZ		06/25/2012 12:20	1		CLP-2 0.53 (mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: PESTGC4 Start Date: 06/25/2012 05:53Analysis Batch Number: 117505 End Date: 06/25/2012 12:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		06/25/2012 12:20	1		CLP-1 0.53 (mm)
CCV 460-117505/24		06/25/2012 12:34	1	WF703342.D	CLP-2 0.53 (mm)
CCV 460-117505/24		06/25/2012 12:34	1	WR703342.D	CLP-1 0.53 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC4.i
Analytical Batch: /chem1/PESTGC4.i/8081T/rear/Jun12/06-21-12aical/21jun12a.b

Date Generated: 06/21/2012
Page 1

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
06/21/12 0605	WR703220		Rinse	21jun12a	NA	15	10	1	SAMPLE	NA	1/6941
06/21/12 0619	WR703221	1	SGRESC_00012	21jun12a		15	10	1	SAMPLE		NA
06/21/12 0633	WR703222	2	SGPIBLK_00013	21jun12a		15	10	1	SAMPLE		G
06/21/12 0646	WR703223	3	SGDDT/Ei_00018	21jun12a		15	10	1	SAMPLE		G
06/21/12 0700	WR703224	4	SGPESTL3_00013			0	0	1	CALIB_3		G
06/21/12 0714	WR703225	5	SGPESTL1_00015			0	0	1	CALIB_1		G
06/21/12 0728	WR703226	6	SGPESTL2_00012			0	0	1	CALIB_2		G
06/21/12 0742	WR703227	7	SGPESTL4_00012			0	0	1	CALIB_4		G
06/21/12 0756	WR703228	8	SGPESTL5_00012			0	0	1	CALIB_5		G
06/21/12 0810	WR703229	9	SGCHLOL3_00010			0	0	1	CALIB_3		G
06/21/12 0824	WR703230	10	SGTOXL3_00013			0	0	1	CALIB_3		G
06/21/12 0838	WR703231	11	SGPTICV_00018			1	1	1	BS		G

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Signed: Sub Read and Understood by: Sub
Date: 06/21/12 Date: 6/21/12

07/06/2012

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC4.i
Analytical Batch: /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b

Date Generated: 06/26/2012
Page 1

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	DIL FAC	SampleType	LOT	COMMENTS
06/25/12 0553	WR703319	1	Rinse	25jun12a	NA	15 10	1	SAMPLE	NA	1/7505
06/25/12 0607	WR703320	2	SGRESC_00012	25jun12a		15 10	1	SAMPLE		
06/25/12 0621	WR703321	3	SGPIBLK_00013	25jun12a		15 10	1	SAMPLE		
06/25/12 0635	WR703322	4	SGDDT/Ei_00018	25jun12a		15 10	1	SAMPLE		
06/25/12 0648	WR703323	5	SGPESTL3_00013	14		0 0	1	CCALIB_3		
06/25/12 0748	WR703324	6	LCS 460-117130/2			15 10	1	BS		
06/25/12 0803	WR703325	7	460-41546-D-21-G	25jun12a		15 10	1	MS		
06/25/12 0817	WR703326	8	460-41546-D-21-H	25jun12a		15 10	1	MSD		
06/25/12 0830	WR703327	9	460-41546-D-21-I	460-117130	06/22/12	15.0 10	1	SAMPLE		
06/25/12 0844	WR703328	10	460-41546-D-17-C	460-117130	06/22/12	15.0 10	1	SAMPLE		
06/25/12 0858	WR703329	11	460-41546-D-18-C	460-117130	06/22/12	15.0 10	1	SAMPLE		
06/25/12 0912	WR703330	12	460-41546-D-19-C	460-117130	06/22/12	15 10	1	SAMPLE		
06/25/12 0926	WR703331	13	460-41546-D-20-C	460-117130	06/22/12	15 10	1	SAMPLE		
06/25/12 0940	WR703332	14	460-41546-D-22-C	460-117130	06/22/12	15.0 10	1	SAMPLE		

Signature: 6/28/12

Signature: 6/26/12

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC4.i
Analytical Batch: /chem1/PESTGC4.i/8081T/rear/Jun12/06-25-12/25jun12a.b

Date Generated: 06/26/2012
Page 2

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL	SampleType	LOT	COMMENTS
06/25/12 0954	WR703333	15	460-41546-D-23-C	460-117130	06/22/12	15.0	10	1	SAMPLE	M4	q
06/25/12 1040	WR703334	16	460-41552-D-1-B	460-117130	06/22/12	15.1	10	1	SAMPLE		q
06/25/12 1053	WR703335	17	450-5029-E-1-A	460-117130	06/22/12	15.0	10	1	SAMPLE		q
06/25/12 1111	WR703336	18	450-5029-E-2-A	460-117130	06/22/12	15.0	10	1	SAMPLE		q
06/25/12 1124	WR703337	19	450-5029-E-3-A	460-117130	06/22/12	15.1	10	1	SAMPLE		q
06/25/12 1138	WR703338	20	450-5029-E-4-A	460-117130	06/22/12	15.0	10	1	SAMPLE		q
06/25/12 1152	WR703339	21	450-5029-E-5-A	460-117130	06/22/12	15.0	10	1	SAMPLE		q
06/25/12 1206	WR703340	22	MB 460-117130/1-	25jun12a	NA	15	10	1	SAMPLE		q
06/25/12 1220	WR703341	23	SGFIBLK_00013	25jun12a		15	10	1	SAMPLE		NA
06/25/12 1234	WR703342	24	PESTL3_00013	M4		0	0	1	CCALIB_3		q

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Signed: *gga* Read and Understood by: *Subh*
Date: *06/26/12* Date: *6/26/12*

Date: 07/06/2012

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117130 Batch Start Date: 06/22/12 09:49 Batch Analyst: Alinea, Archilles RBatch Method: 3541 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SoxThermPositio n	OP_PESTSP 00011	OPPSTPCBSU 00021	
MB 460-117130/1		3541, 8081A		15.00 g	10 mL	1		50 uL	
LCS 460-117130/2		3541, 8081A		15.00 g	10 mL	2	100 uL	50 uL	
460-41546-D-21 MS	F-12	3541, 8081A	T	15.00 g	10 mL	3	100 uL	50 uL	
460-41546-D-21 MSD	F-12	3541, 8081A	T	15.03 g	10 mL	4	100 uL	50 uL	
460-41546-D-17	F-8	3541, 8081A	T	15.02 g	10 mL	100		50 uL	
460-41546-D-18	F-9	3541, 8081A	T	15.01 g	10 mL	101		50 uL	
460-41546-D-19	F-10	3541, 8081A	T	15.00 g	10 mL	102		50 uL	
460-41546-D-20	F-11	3541, 8081A	T	15.00 g	10 mL	115		50 uL	
460-41546-D-21	F-12	3541, 8081A	T	15.04 g	10 mL	116		50 uL	
460-41546-D-22	F-13	3541, 8081A	T	15.03 g	10 mL	117		50 uL	
460-41546-D-23	FB-E	3541, 8081A	T	15.01 g	10 mL	118		50 uL	

Batch Notes	
Balance ID	30
Batch Comment	pest-soil
Boiling Chips ID	902100
Person's name who did the concentration	archie
Florisil Lot #	s213-39
Vendor lot number	k28e27
Na2SO4 Lot Number	135309
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	9:49am

Basis	Basis Description
T	Total/NA

Method 8082

Polychlorinated Biphenyls (PCBs) by
Gas Chromatography by Method 8082

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

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 #
F-8	460-41546-17	96	116
F-9	460-41546-18	87	93
F-10	460-41546-19	90	97
F-11	460-41546-20	80	87
F-12	460-41546-21	118	123
F-13	460-41546-22	101	132
FB-E	460-41546-23	95	115
	MB 460-117107/1-A	127	135
	LCS 460-117107/2-A	112	127
F-12 MS	460-41546-21 MS	124	133
F-12 MSD	460-41546-21 MSD	132	145

DCB = DCB Decachlorobiphenyl

QC LIMITS
30-150

Column to be used to flag recovery values

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: vf475494.d
Lab ID: LCS 460-117107/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor 1016	333	348	104	60-144	
Aroclor 1260	333	355	107	63-143	

Column to be used to flag recovery and RPD values

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: vr475494.d
Lab ID: LCS 460-117107/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor 1016	333	380	114	60-144	
Aroclor 1260	333	378	113	63-143	

Column to be used to flag recovery and RPD values

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: vf475495.d
Lab ID: 460-41546-21 MS Client ID: F-12 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor 1016	358	14 U	375	105	60-144	
Aroclor 1260	358	8.1 U	403	112	63-143	

Column to be used to flag recovery and RPD values

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: vr475495.d
Lab ID: 460-41546-21 MS Client ID: F-12 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor 1016	358	14 U	387	108	60-144	
Aroclor 1260	358	8.1 U	434	121	63-143	

Column to be used to flag recovery and RPD values

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: vf475496.d
Lab ID: 460-41546-21 MSD Client ID: F-12 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Aroclor 1016	359	350	97	7	30	60-144	
Aroclor 1260	359	415	115	3	30	63-143	

Column to be used to flag recovery and RPD values

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: vr475496.d
Lab ID: 460-41546-21 MSD Client ID: F-12 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Aroclor 1016	359	354	99	9	30	60-144	
Aroclor 1260	359	443	123	2	30	63-143	

Column to be used to flag recovery and RPD values

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: MB 460-117107/1-A
 Matrix: Solid Date Extracted: 06/22/2012 08:50
 Lab File ID: (1) vr475493.d Lab File ID: (2) vf475493.d
 Date Analyzed: (1) 06/24/2012 17:31 Date Analyzed: (2) 06/24/2012 17:31
 Instrument ID: (1) PESTGC9 Instrument ID: (2) PESTGC9
 GC Column: (1) CLP-1 ID: 0.53(mm) GC Column: (2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-117107/2-A	06/24/2012 17:47	06/24/2012 17:47
F-12 MS	460-41546-21 MS	06/24/2012 18:03	06/24/2012 18:03
F-12 MSD	460-41546-21 MSD	06/24/2012 18:19	06/24/2012 18:19
F-12	460-41546-21	06/24/2012 18:35	06/24/2012 18:35
F-8	460-41546-17	06/24/2012 21:15	06/24/2012 21:15
F-9	460-41546-18	06/24/2012 21:31	06/24/2012 21:31
F-10	460-41546-19	06/24/2012 21:47	06/24/2012 21:47
F-11	460-41546-20	06/24/2012 22:03	06/24/2012 22:03
F-13	460-41546-22	06/24/2012 22:19	06/24/2012 22:19
FB-E	460-41546-23	06/24/2012 22:35	06/24/2012 22:35

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Sample No.: CCVRT 460-117335/2 Date Analyzed: 06/24/2012 17:15
 Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): vf475492.d Heated Purge: (Y/N) N
 Calibration ID: 16064

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

				DCB		
				RT #		
CONTINUING CALIBRATION SURROGATE				11.51		
UPPER LIMIT				11.61		
LOWER LIMIT				11.41		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-117335/2		06/24/2012 17:15	vf475492.d	11.51		
MB 460-117107/1-A		06/24/2012 17:31	vf475493.d	11.51		
LCS 460-117107/2-A		06/24/2012 17:47	vf475494.d	11.50		
460-41546-21 MS	F-12 MS	06/24/2012 18:03	vf475495.d	11.50		
460-41546-21 MSD	F-12 MSD	06/24/2012 18:19	vf475496.d	11.50		
460-41546-21	F-12	06/24/2012 18:35	vf475497.d	11.50		
460-41546-17	F-8	06/24/2012 21:15	vf475507.d	11.50		
460-41546-18	F-9	06/24/2012 21:31	vf475508.d	11.50		
460-41546-19	F-10	06/24/2012 21:47	vf475509.d	11.50		
460-41546-20	F-11	06/24/2012 22:03	vf475510.d	11.50		
460-41546-22	F-13	06/24/2012 22:19	vf475511.d	11.49		
460-41546-23	FB-E	06/24/2012 22:35	vf475512.d	11.49		
CCV 460-117335/28		06/25/2012 00:10	vf475518.d	11.50		

DCB = DCB Decachlorobiphenyl

DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Sample No.: CCVRT 460-117335/2 Date Analyzed: 06/24/2012 17:15
 Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm)
 Lab File ID (Standard): vr475492.d Heated Purge: (Y/N) N
 Calibration ID: 16065

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

				DCB		
				RT #		
CONTINUING CALIBRATION SURROGATE				10.68		
UPPER LIMIT				10.78		
LOWER LIMIT				10.58		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-117335/2		06/24/2012 17:15	vr475492.d	10.68		
MB 460-117107/1-A		06/24/2012 17:31	vr475493.d	10.68		
LCS 460-117107/2-A		06/24/2012 17:47	vr475494.d	10.68		
460-41546-21 MS	F-12 MS	06/24/2012 18:03	vr475495.d	10.68		
460-41546-21 MSD	F-12 MSD	06/24/2012 18:19	vr475496.d	10.68		
460-41546-21	F-12	06/24/2012 18:35	vr475497.d	10.68		
460-41546-17	F-8	06/24/2012 21:15	vr475507.d	10.68		
460-41546-18	F-9	06/24/2012 21:31	vr475508.d	10.68		
460-41546-19	F-10	06/24/2012 21:47	vr475509.d	10.68		
460-41546-20	F-11	06/24/2012 22:03	vr475510.d	10.68		
460-41546-22	F-13	06/24/2012 22:19	vr475511.d	10.68		
460-41546-23	FB-E	06/24/2012 22:35	vr475512.d	10.68		
CCV 460-117335/28		06/25/2012 00:10	vr475518.d	10.68		

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.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-8 Lab Sample ID: 460-41546-17
 Instrument ID (1): PESTGC9 Instrument ID (2): PESTGC9
 Date Analyzed (1): 06/24/2012 21:15 Date Analyzed (2): 06/24/2012 21:15
 GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1254	1	1	4.78	4.71	4.85	59.8	70	21.2
		2	4.87	4.78	4.92	27.7		
		3	5.24	5.15	5.29	44.4		
		4	5.68	5.59	5.73	56.7		
		5	5.86	5.79	5.93	76.4		
		6	6.31	6.24	6.38	73.8		
		7	6.61	6.54	6.68	115		
		8	7.06	6.99	7.13	104		
	2	2	6.12	6.05	6.19	35.9	86	
		3	6.46	6.38	6.52	113		
		4	7.01	6.95	7.09	149		
		5	7.22	7.16	7.30	74.0		
		6	8.39	8.32	8.46	66.7		
		7	8.87	8.79	8.93	152		
		8	9.69	9.63	9.77	83.8		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-9 Lab Sample ID: 460-41546-18
 Instrument ID (1): PESTGC9 Instrument ID (2): PESTGC9
 Date Analyzed (1): 06/24/2012 21:31 Date Analyzed (2): 06/24/2012 21:31
 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	
Aroclor 1260	1	1	6.16	6.09	6.23	44.5	48	9.1
		2	6.61	6.54	6.68	53.0		
		3	7.06	6.99	7.13	51.3		
		4	7.26	7.19	7.33	38.8		
		5	7.71	7.64	7.78	42.0		
		6	9.02	8.96	9.10	55.5		
		7	9.25	9.19	9.33	51.5		
		8	10.22	10.15	10.29	44.6		
	2	1	7.59	7.53	7.67	43.4	43	
		2	8.03	7.97	8.11	52.2		
		3	8.85	8.79	8.93	43.6		
		4	9.10	9.04	9.18	41.5		
		5	9.24	9.19	9.33	46.1		
		6	9.76	9.70	9.84	40.2		
		7	10.56	10.50	10.64	42.2		
		8	11.05	10.99	11.13	38.7		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-11 Lab Sample ID: 460-41546-20
 Instrument ID (1): PESTGC9 Instrument ID (2): PESTGC9
 Date Analyzed (1): 06/24/2012 22:03 Date Analyzed (2): 06/24/2012 22:03
 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	
Aroclor 1260	1	1	6.16	6.09	6.23	18.8	22	19.2
		2	6.61	6.54	6.68	9.83		
		3	7.05	6.99	7.13	16.1		
		4	7.26	7.19	7.33	26.1		
		5	7.71	7.64	7.78	26.3		
		6	9.02	8.96	9.10	15.4		
		7	9.25	9.19	9.33	39.0		
		8	10.22	10.15	10.29	26.5		
	2	1	7.59	7.53	7.67	20.6	18	
		2	8.03	7.97	8.11	11.3		
		3	8.84	8.79	8.93	12.0		
		4	9.10	9.04	9.18	25.0		
		5	9.24	9.19	9.33	16.4		
		6	9.76	9.70	9.84	18.3		
		7	10.56	10.50	10.64	22.1		
		8	11.05	10.99	11.13	21.0		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Client Sample ID: F-12 MS Lab Sample ID: 460-41546-21 MS

Instrument ID (1): PESTGC9 Instrument ID (2): PESTGC9

Date Analyzed (1): 06/24/2012 18:03 Date Analyzed (2): 06/24/2012 18:03

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	
Aroclor 1016	1	1	2.14	2.06	2.20	379	387	3.1
		2	2.59	2.51	2.65	374		
		3	2.84	2.76	2.90	354		
		4	3.20	3.12	3.26	401		
		5	3.41	3.33	3.47	396		
		6	3.77	3.70	3.84	417		
		7	4.13	4.06	4.20	391		
		8	4.28	4.21	4.35	380		
	2	1	2.84	2.77	2.91	350	375	
		2	3.49	3.42	3.56	371		
		3	3.93	3.86	4.00	352		
		4	4.33	4.26	4.40	388		
		5	4.57	4.51	4.65	382		
		6	5.01	4.95	5.09	385		
		7	5.40	5.34	5.48	387		
		8	5.61	5.55	5.69	381		
Aroclor 1260	1	1	6.16	6.09	6.23	428	434	7.5
		2	6.61	6.54	6.68	432		
		3	7.06	6.99	7.13	435		
		4	7.26	7.19	7.33	440		
		5	7.71	7.64	7.78	435		
		6	9.03	8.96	9.10	432		
		7	9.26	9.19	9.33	433		
		8	10.22	10.15	10.29	436		
	2	1	7.59	7.53	7.67	398	403	
		2	8.03	7.97	8.11	391		
		3	8.85	8.79	8.93	390		
		4	9.10	9.04	9.18	397		
		5	9.25	9.19	9.33	383		
		6	9.76	9.70	9.84	405		
		7	10.56	10.50	10.64	401		
		8	11.06	10.99	11.13	456		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-12 MSD Lab Sample ID: 460-41546-21 MSD
 Instrument ID (1): PESTGC9 Instrument ID (2): PESTGC9
 Date Analyzed (1): 06/24/2012 18:19 Date Analyzed (2): 06/24/2012 18:19
 GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.14	2.06	2.20	336	354	1.3
		2	2.59	2.51	2.65	346		
		3	2.84	2.76	2.90	322		
		4	3.20	3.12	3.26	376		
		5	3.41	3.33	3.47	370		
		6	3.78	3.70	3.84	363		
		7	4.14	4.06	4.20	367		
		8	4.28	4.21	4.35	355		
	2	1	2.84	2.77	2.91	317	350	
		2	3.49	3.42	3.56	330		
		3	3.93	3.86	4.00	344		
		4	4.33	4.26	4.40	359		
		5	4.58	4.51	4.65	353		
		6	5.01	4.95	5.09	355		
		7	5.40	5.34	5.48	373		
		8	5.61	5.55	5.69	367		
Aroclor 1260	1	1	6.16	6.09	6.23	429	443	6.5
		2	6.61	6.54	6.68	436		
		3	7.06	6.99	7.13	442		
		4	7.26	7.19	7.33	449		
		5	7.71	7.64	7.78	442		
		6	9.03	8.96	9.10	445		
		7	9.26	9.19	9.33	445		
		8	10.22	10.15	10.29	456		
	2	1	7.59	7.53	7.67	400	415	
		2	8.03	7.97	8.11	398		
		3	8.85	8.79	8.93	396		
		4	9.10	9.04	9.18	405		
		5	9.25	9.19	9.33	392		
		6	9.76	9.70	9.84	408		
		7	10.56	10.50	10.64	396		
		8	11.06	10.99	11.13	525		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-13 Lab Sample ID: 460-41546-22
 Instrument ID (1): PESTGC9 Instrument ID (2): PESTGC9
 Date Analyzed (1): 06/24/2012 22:19 Date Analyzed (2): 06/24/2012 22:19
 GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1254	1	1	4.78	4.71	4.85	194	280	5.2
		2	4.85	4.78	4.92	113		
		3	5.27	5.15	5.29	564		
		4	5.71	5.59	5.73	673		
		5	5.86	5.79	5.93	180		
		6	6.31	6.24	6.38	173		
		7	6.63	6.54	6.68	143		
		8	7.06	6.99	7.13	209		
	2	1	4.95	4.88	5.02	113	270	
		2	6.12	6.05	6.19	138		
		3	6.41	6.38	6.52	580		
		4	7.01	6.95	7.09	601		
		5	7.22	7.16	7.30	170		
		6	8.39	8.32	8.46	163		
		7	8.86	8.79	8.93	205		
		8	9.69	9.63	9.77	163		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-117107/2-A
 Instrument ID (1): PESTGC9 Instrument ID (2): PESTGC9
 Date Analyzed (1): 06/24/2012 17:47 Date Analyzed (2): 06/24/2012 17:47
 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	
Aroclor 1016	1	1	2.14	2.06	2.20	425	380	8.7
		2	2.59	2.51	2.65	387		
		3	2.84	2.76	2.90	371		
		4	3.20	3.12	3.26	404		
		5	3.42	3.33	3.47	389		
		6	3.78	3.70	3.84	363		
		7	4.14	4.06	4.20	345		
		8	4.28	4.21	4.35	354		
	2	1	2.84	2.77	2.91	325	348	
		2	3.49	3.42	3.56	336		
		3	3.93	3.86	4.00	329		
		4	4.33	4.26	4.40	384		
		5	4.58	4.51	4.65	362		
		6	5.02	4.95	5.09	361		
		7	5.41	5.34	5.48	341		
		8	5.62	5.55	5.69	347		
Aroclor 1260	1	1	6.16	6.09	6.23	377	378	6.2
		2	6.61	6.54	6.68	377		
		3	7.06	6.99	7.13	377		
		4	7.27	7.19	7.33	381		
		5	7.71	7.64	7.78	378		
		6	9.03	8.96	9.10	373		
		7	9.26	9.19	9.33	384		
		8	10.22	10.15	10.29	374		
	2	1	7.60	7.53	7.67	355	355	
		2	8.04	7.97	8.11	350		
		3	8.86	8.79	8.93	344		
		4	9.11	9.04	9.18	352		
		5	9.25	9.19	9.33	351		
		6	9.76	9.70	9.84	348		
		7	10.57	10.50	10.64	330		
		8	11.06	10.99	11.13	410		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-8 Lab Sample ID: 460-41546-17
Matrix: Solid Lab File ID: vf475507.d
Analysis Method: 8082 Date Collected: 06/20/2012 13:05
Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
Sample wt/vol: 15.05(g) Date Analyzed: 06/24/2012 21:15
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 9.1 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11097-69-1	Aroclor 1254	86		73	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	116		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475507.d
Lab Smp Id: 460-41546-D-17-B Client Smp ID: F-8
Inj Date : 24-JUN-2012 21:15
Operator : 615 Inst ID: PESTGC9.i
Smp Info : 460-41546-D-17-B
Misc Info : 460-41546-D-17-B
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
Meth Date : 25-Jun-2012 09:00 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vf475170.d
Als bottle: 36
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AllPCB.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.05000	Weight of sample extracted (g)
M	9.10853	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
26 Aroclor-1254					CAS #: 11097-69-1				
4.948	4.949	-0.001	184830	20.8264	15	80.00-	120.00	100.00(M)	
6.116	6.123	-0.007	950724	49.0669	36	174.66-	261.99	514.38	
6.455	6.454	0.001	2969771	154.699	110	173.05-	259.57	1606.75	
7.009	7.020	-0.011	2820911	203.801	150	124.77-	187.16	1526.21	
7.223	7.226	-0.003	2983239	101.185	74	265.77-	398.65	1614.04	
8.387	8.394	-0.007	1511556	91.1844	67	149.43-	224.14	817.81	
8.865	8.864	0.001	6140464	207.887	150	266.26-	399.39	3322.21	
9.692	9.696	-0.004	646146	114.598	84	50.83-	76.24	349.59	
Average of Peak Concentrations =					86				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.501	11.508	-0.007	17251528	58.0583	42	80.00-	120.00	100.00(M)	

Data File: vf475507.d
Report Date: 25-Jun-2012 09:39

Page 2

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475507.d

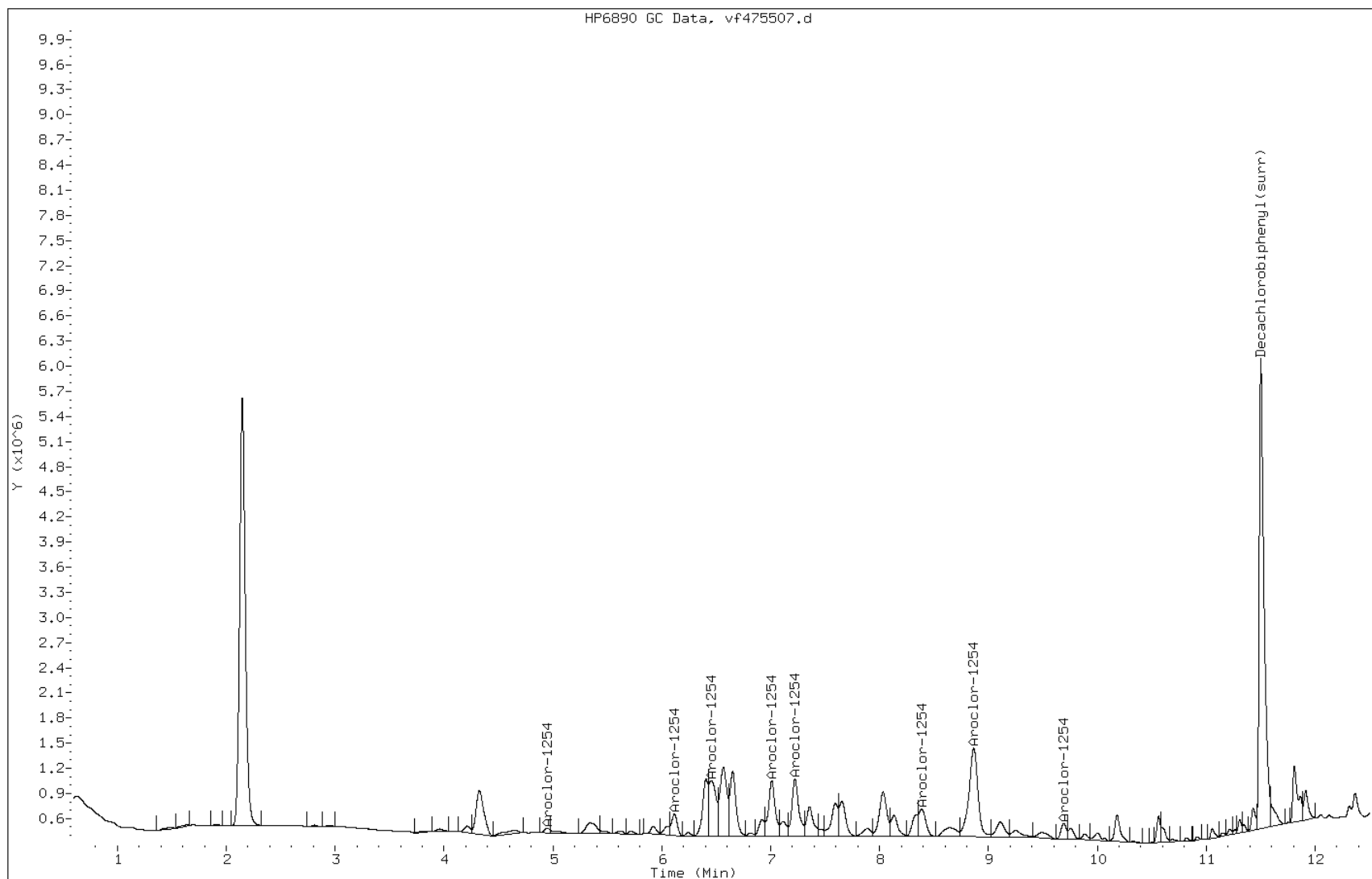
Date: 24-JUN-2012 21:15

Client ID: F-8

Instrument: PESTGC9.i

Sample Info: 460-41546-D-17-B

Operator: 615



Manual Integration Report

Data File: vf475507.d
Inj. Date and Time: 24-JUN-2012 21:15
Instrument ID: PESTGC9.i
Client ID: F-8
Compound: 26 Aroclor-1254
CAS #: 11097-69-1
Report Date: 06/25/2012

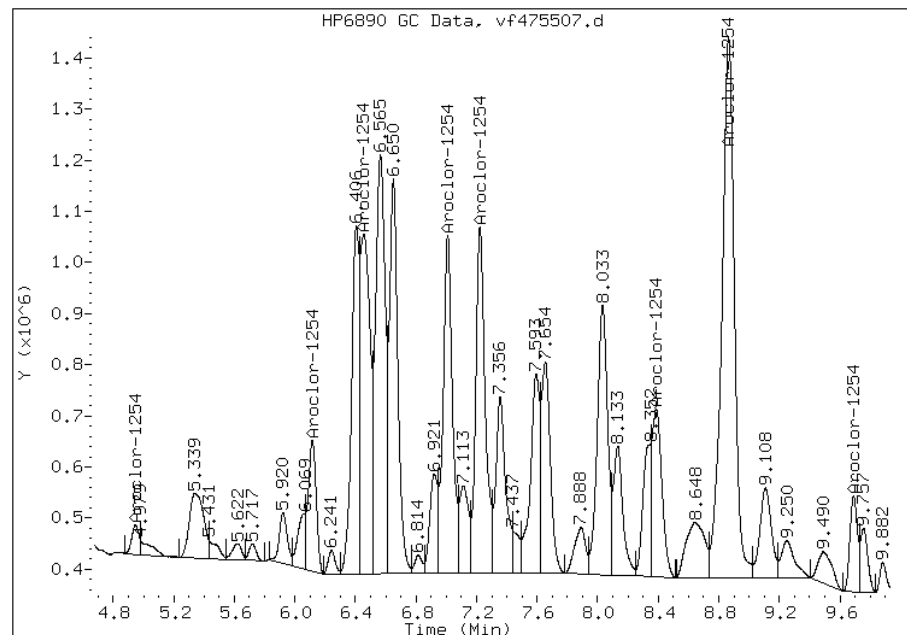
Processing Integration Results

Not Detected

Expected RT: 4.95

Manual Integration Results

RT: 4.95
Response: 184830
Amount: 117.91
Conc: 86.00



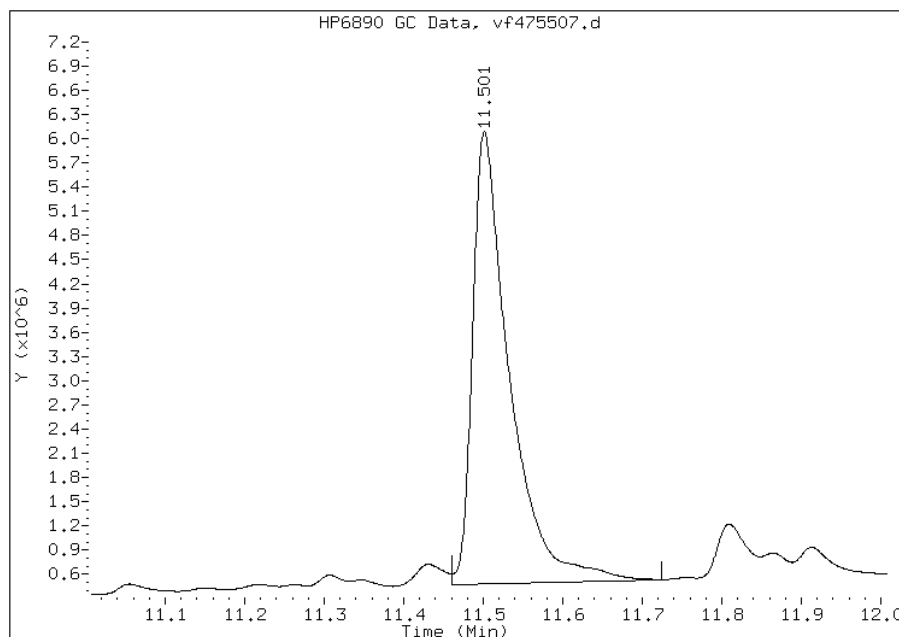
Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: vf475507.d
Inj. Date and Time: 24-JUN-2012 21:15
Instrument ID: PESTGC9.i
Client ID: F-8
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 06/25/2012

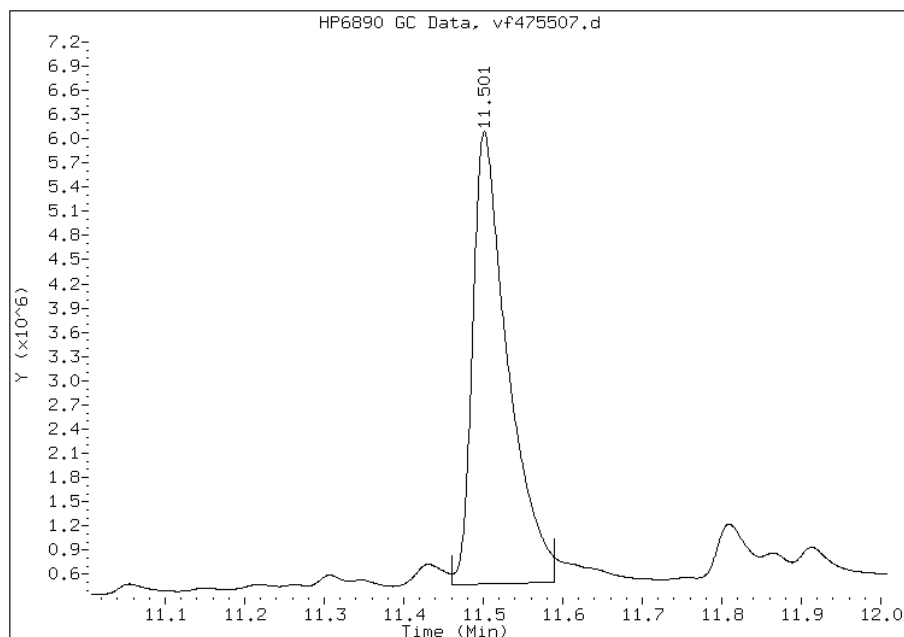
Processing Integration Results

RT: 11.50
Response: 18152819
Amount: 61.09
Conc: 44.66



Manual Integration Results

RT: 11.50
Response: 17251528
Amount: 58.06
Conc: 42.44



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-8 Lab Sample ID: 460-41546-17
 Matrix: Solid Lab File ID: vr475507.d
 Analysis Method: 8082 Date Collected: 06/20/2012 13:05
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.05(g) Date Analyzed: 06/24/2012 21:15
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 9.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	14	U	73	14
11104-28-2	Aroclor 1221	22	U	73	22
11141-16-5	Aroclor 1232	42	U	73	42
53469-21-9	Aroclor 1242	14	U	73	14
12672-29-6	Aroclor 1248	20	U	73	20
11096-82-5	Aroclor 1260	8.2	U	73	8.2
37324-23-5	Aroclor 1262	13	U	73	13
11100-14-4	Aroclor 1268	13	U	73	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	96		30-150

Data File: vr475507.d
Report Date: 25-Jun-2012 09:39

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/vr475507.d
Lab Smp Id: 460-41546-D-17-B Client Smp ID: F-8
Inj Date : 24-JUN-2012 21:15
Operator : 615 Inst ID: PESTGC9.i
Smp Info : 460-41546-D-17-B
Misc Info : 460-41546-D-17-B
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/08Vr8082.m
Meth Date : 25-Jun-2012 08:28 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vr475170.d
Als bottle: 36
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	15.05000	Weight of sample extracted (g)
M	9.10853	% Moisture

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
26 Aroclor-1254					CAS #: 11097-69-1			
4.783	4.779	0.004	1021616	81.7806	60	80.00-	120.00	100.00(M)
4.872	4.850	0.022	531055	37.8932	28	89.75-	134.62	51.98
5.237	5.220	0.017	1142062	60.7693	44	120.35-	180.53	111.79
5.677	5.660	0.017	1033178	77.5322	57	85.34-	128.01	101.13
5.861	5.861	0.000	2600552	104.495	76	159.38-	239.06	254.55
6.312	6.311	0.001	2327102	100.884	74	147.72-	221.58	227.79
6.612	6.611	0.001	3003563	157.487	120	122.14-	183.20	294.00
7.061	7.061	0.000	3589282	141.890	100	162.00-	243.00	351.33
Average of Peak Concentrations =					70			

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3			
10.678	10.678	0.000	15421649	48.1655	35	80.00-	120.00	100.00(M)

Data File: vr475507.d
Report Date: 25-Jun-2012 09:39

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475507.d

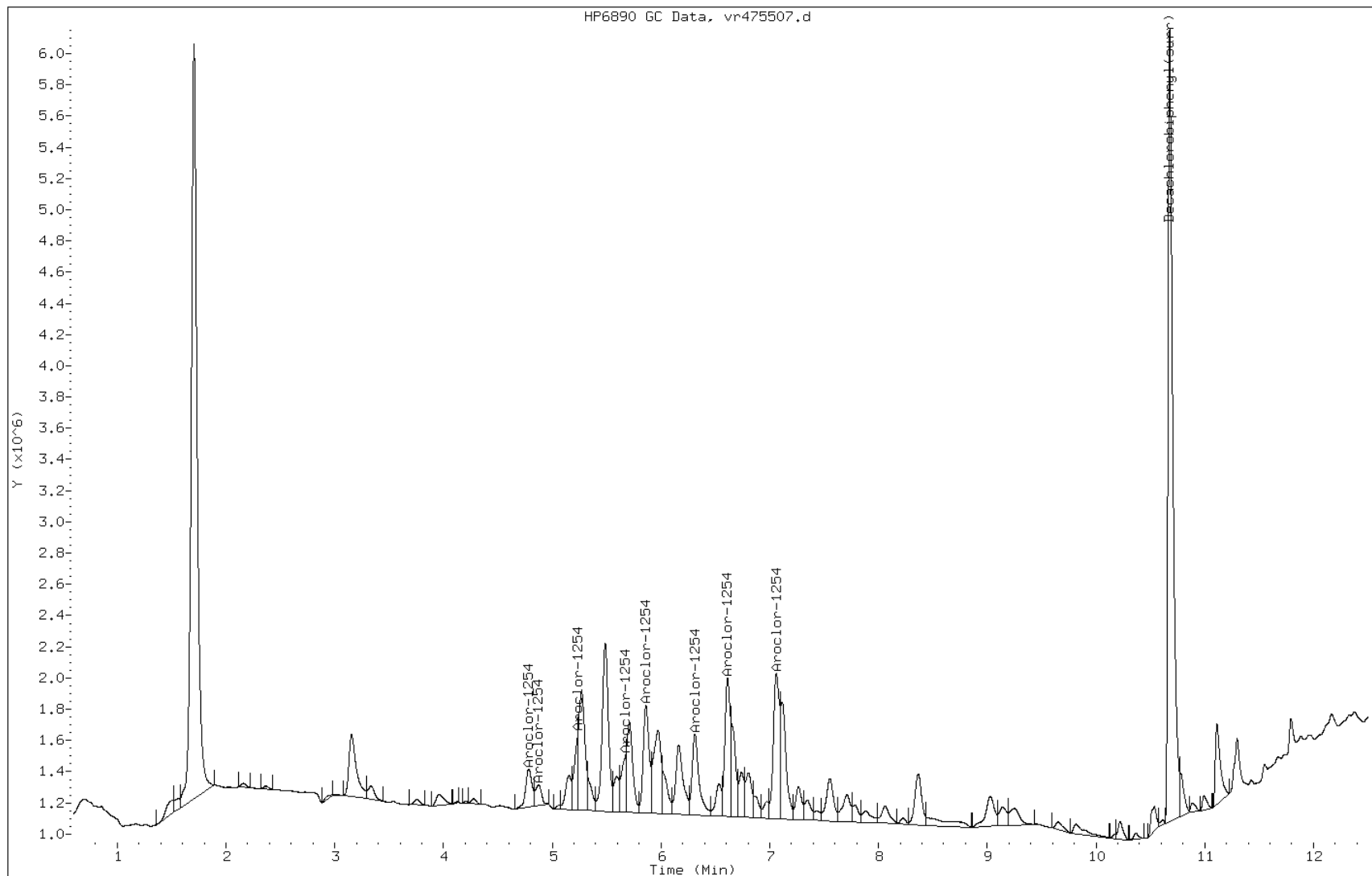
Date: 24-JUN-2012 21:15

Client ID: F-8

Instrument: PESTGC9.i

Sample Info: 460-41546-D-17-B

Operator: 615



Manual Integration Report

Data File: vr475507.d
Inj. Date and Time: 24-JUN-2012 21:15
Instrument ID: PESTGC9.i
Client ID: F-8
Compound: 26 Aroclor-1254
CAS #: 11097-69-1
Report Date: 06/25/2012

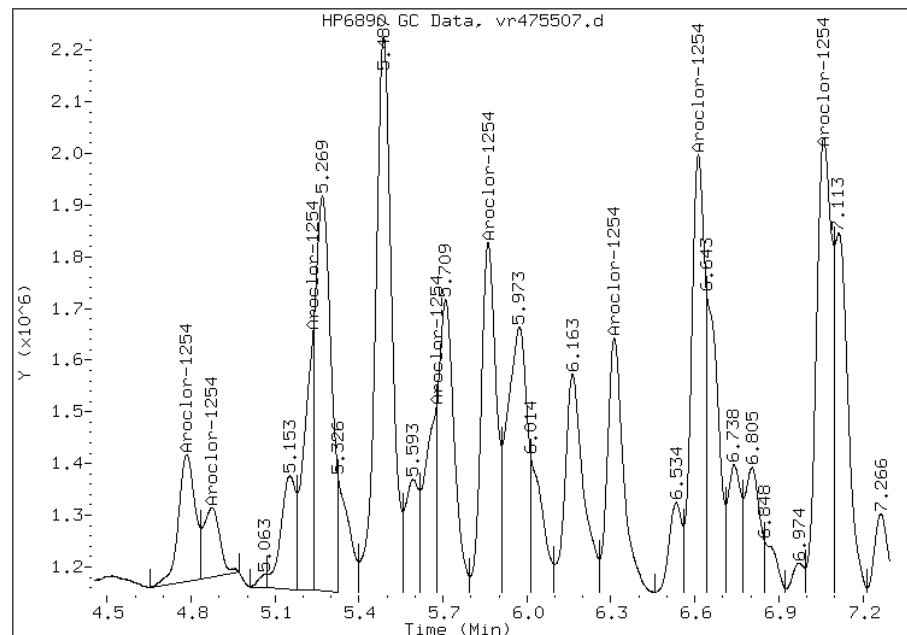
Processing Integration Results

Not Detected

Expected RT: 4.78

Manual Integration Results

RT: 4.78
Response: 1021616
Amount: 95.34
Conc: 70.00



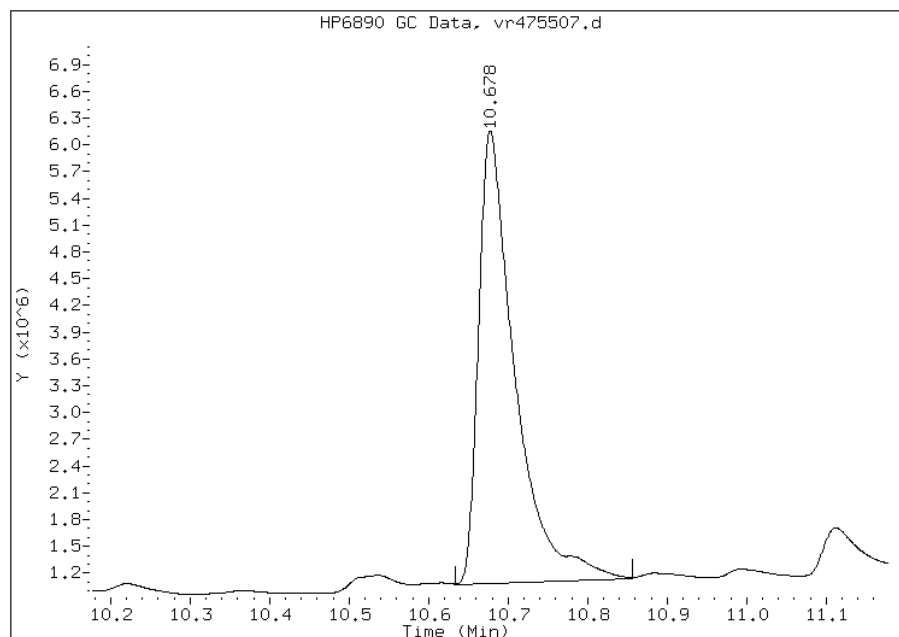
Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: vr475507.d
Inj. Date and Time: 24-JUN-2012 21:15
Instrument ID: PESTGC9.i
Client ID: F-8
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 06/25/2012

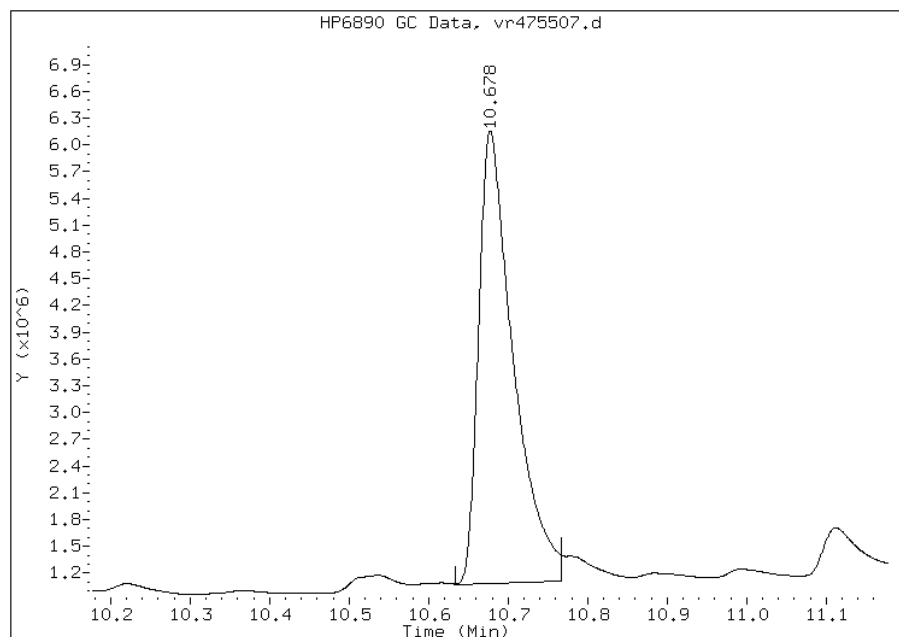
Processing Integration Results

RT: 10.68
Response: 16170191
Amount: 50.50
Conc: 36.92



Manual Integration Results

RT: 10.68
Response: 15421649
Amount: 48.17
Conc: 35.21



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-9 Lab Sample ID: 460-41546-18
Matrix: Solid Lab File ID: vf475508.d
Analysis Method: 8082 Date Collected: 06/20/2012 13:14
Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
Sample wt/vol: 15.04(g) Date Analyzed: 06/24/2012 21:31
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 10.8 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	93		30-150

Data File: vf475508.d
 Report Date: 25-Jun-2012 09:41

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475508.d
 Lab Smp Id: 460-41546-D-18-B Client Smp ID: F-9
 Inj Date : 24-JUN-2012 21:31
 Operator : 615 Inst ID: PESTGC9.i
 Smp Info : 460-41546-D-18-B
 Misc Info : 460-41546-D-18-B
 Comment :
 Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
 Meth Date : 25-Jun-2012 09:00 selbyc Quant Type: ESTD
 Cal Date : 17-JUN-2012 16:26 Cal File: vf475170.d
 Als bottle: 37
 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	10.78611	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260					CAS #: 11096-82-5				
7.591	7.599	-0.008	1409227	58.2936	43	80.00-	120.00	100.00(M)	
8.031	8.041	-0.010	1963180	70.0474	52	92.28-	138.42	139.31	
8.849	8.862	-0.013	2294318	58.5011	44	135.28-	202.92	162.81	
9.102	9.114	-0.012	1057916	55.6871	42	63.46-	95.19	75.07	
9.244	9.258	-0.014	648895	61.8563	46	36.43-	54.65	46.05	
9.756	9.766	-0.010	948242	53.8888	40	61.74-	92.61	67.29	
10.562	10.568	-0.006	1158594	56.5668	42	74.56-	111.84	82.21	
11.053	11.061	-0.008	377647	51.9368	39	27.83-	41.75	26.80	
Average of Peak Concentrations =					43				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.498	11.508	-0.010	13877551	46.7035	35	80.00-	120.00	100.00	

Data File: vf475508.d
Report Date: 25-Jun-2012 09:41

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475508.d

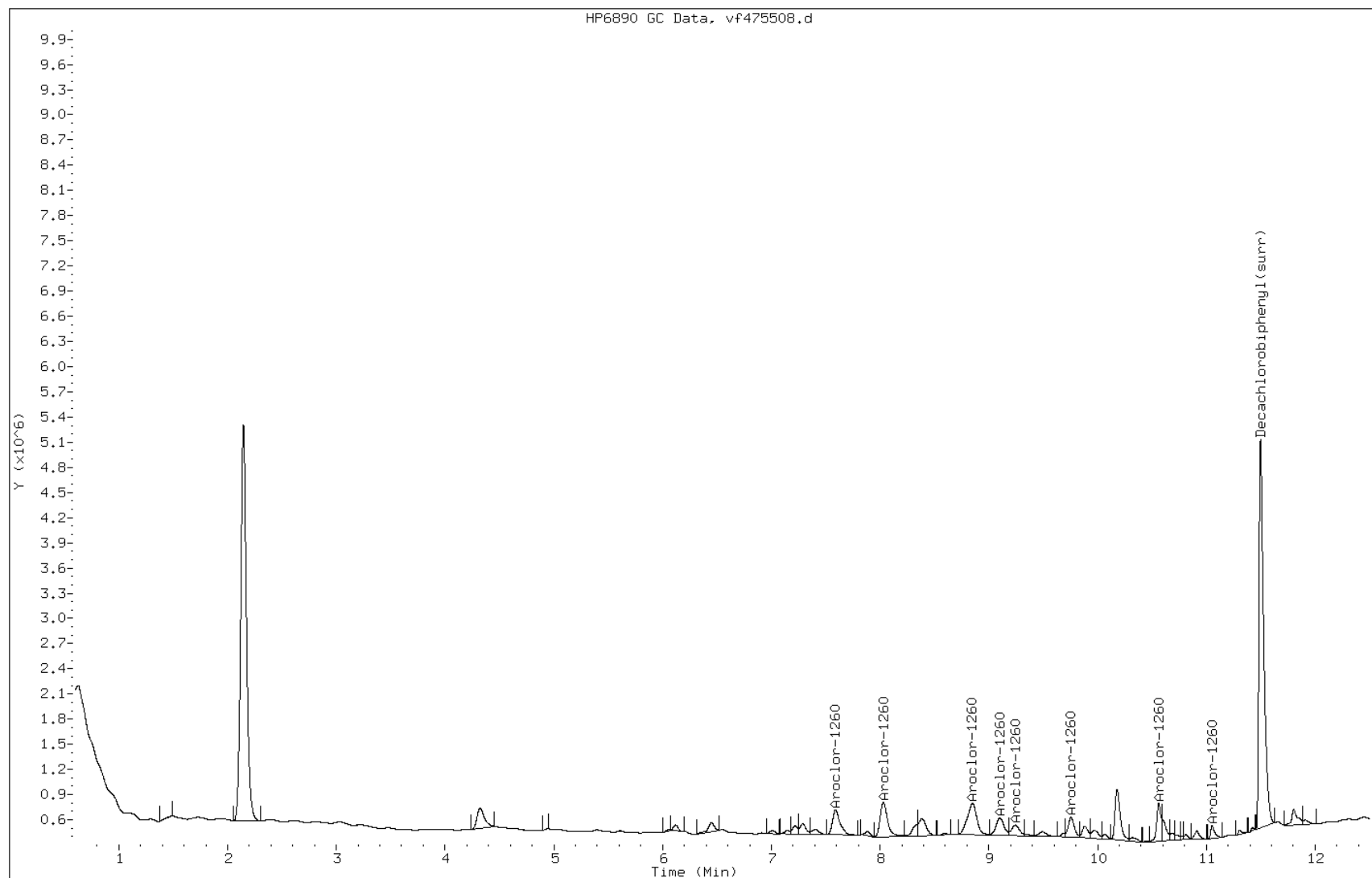
Date: 24-JUN-2012 21:31

Client ID: F-9

Instrument: PESTGC9.i

Sample Info: 460-41546-D-18-B

Operator: 615



Manual Integration Report

Data File: vf475508.d
Inj. Date and Time: 24-JUN-2012 21:31
Instrument ID: PESTGC9.i
Client ID: F-9
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 06/25/2012

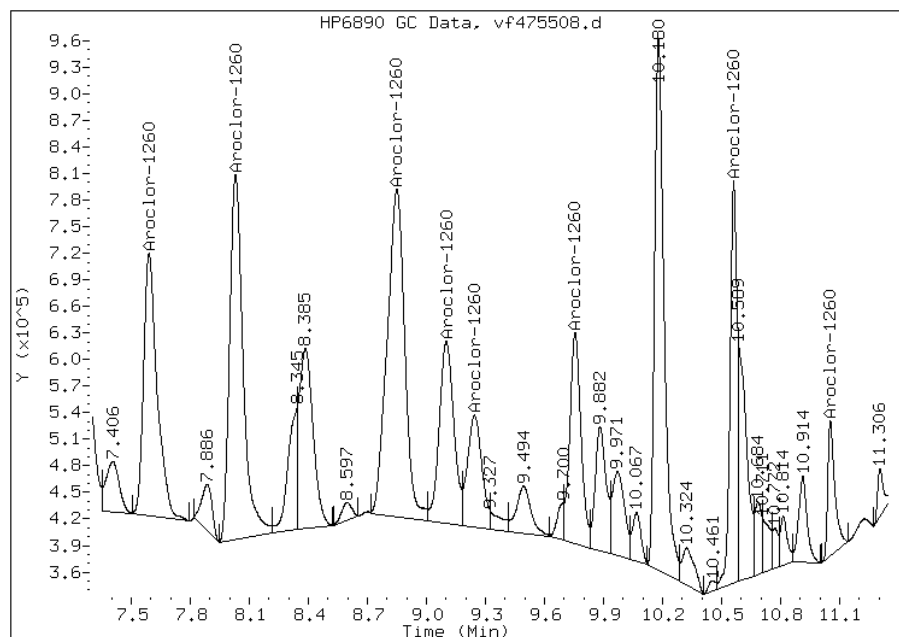
Processing Integration Results

Not Detected

Expected RT: 7.60

Manual Integration Results

RT: 7.59
Response: 1409227
Amount: 58.35
Conc: 43.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-9 Lab Sample ID: 460-41546-18
 Matrix: Solid Lab File ID: vr475508.d
 Analysis Method: 8082 Date Collected: 06/20/2012 13:14
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.04(g) Date Analyzed: 06/24/2012 21:31
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 10.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	14	U	75	14
11104-28-2	Aroclor 1221	23	U	75	23
11141-16-5	Aroclor 1232	42	U	75	42
53469-21-9	Aroclor 1242	14	U	75	14
12672-29-6	Aroclor 1248	20	U	75	20
11097-69-1	Aroclor 1254	26	U	75	26
11096-82-5	Aroclor 1260	48	J	75	8.4
37324-23-5	Aroclor 1262	13	U	75	13
11100-14-4	Aroclor 1268	13	U	75	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	87		30-150

Data File: vr475508.d

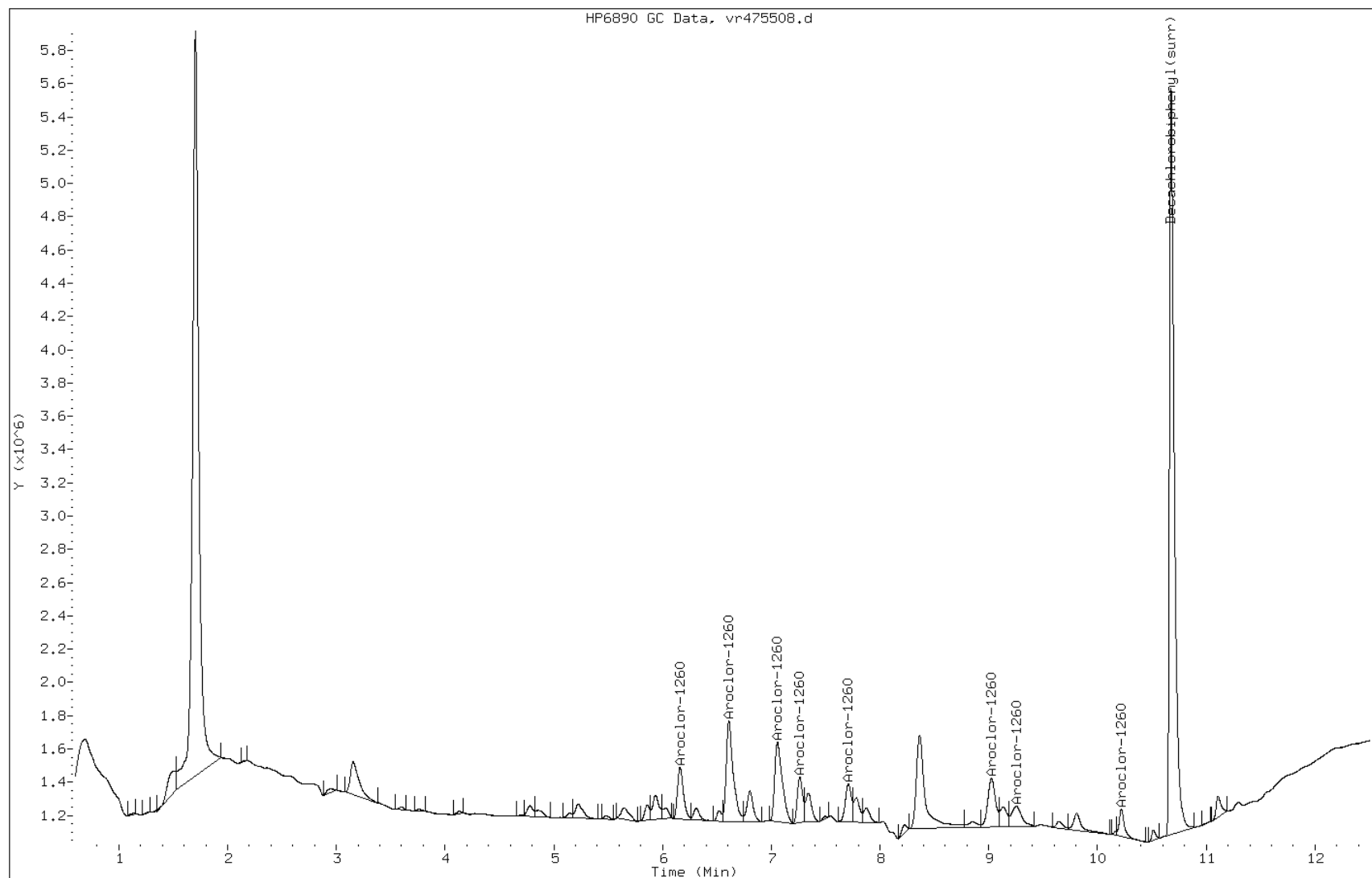
Date: 24-JUN-2012 21:31

Client ID: F-9

Instrument: PESTGC9.i

Sample Info: 460-41546-D-18-B

Operator: 615



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-10 Lab Sample ID: 460-41546-19
Matrix: Solid Lab File ID: vf475509.d
Analysis Method: 8082 Date Collected: 06/20/2012 13:48
Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
Sample wt/vol: 15.00(g) Date Analyzed: 06/24/2012 21:47
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 9.7 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	97		30-150

Data File: vf475509.d
Report Date: 25-Jun-2012 09:42

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475509.d
Lab Smp Id: 460-41546-D-19-B Client Smp ID: F-10
Inj Date : 24-JUN-2012 21:47
Operator : 615 Inst ID: PESTGC9.i
Smp Info : 460-41546-D-19-B
Misc Info : 460-41546-D-19-B
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
Meth Date : 25-Jun-2012 09:00 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vf475170.d
Als bottle: 38
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	9.65058	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr)			CAS #: 2051-24-3			
11.496	11.508	-0.012	14399460	48.4600	36 80.00- 120.00	100.00

Data File: vf475509.d

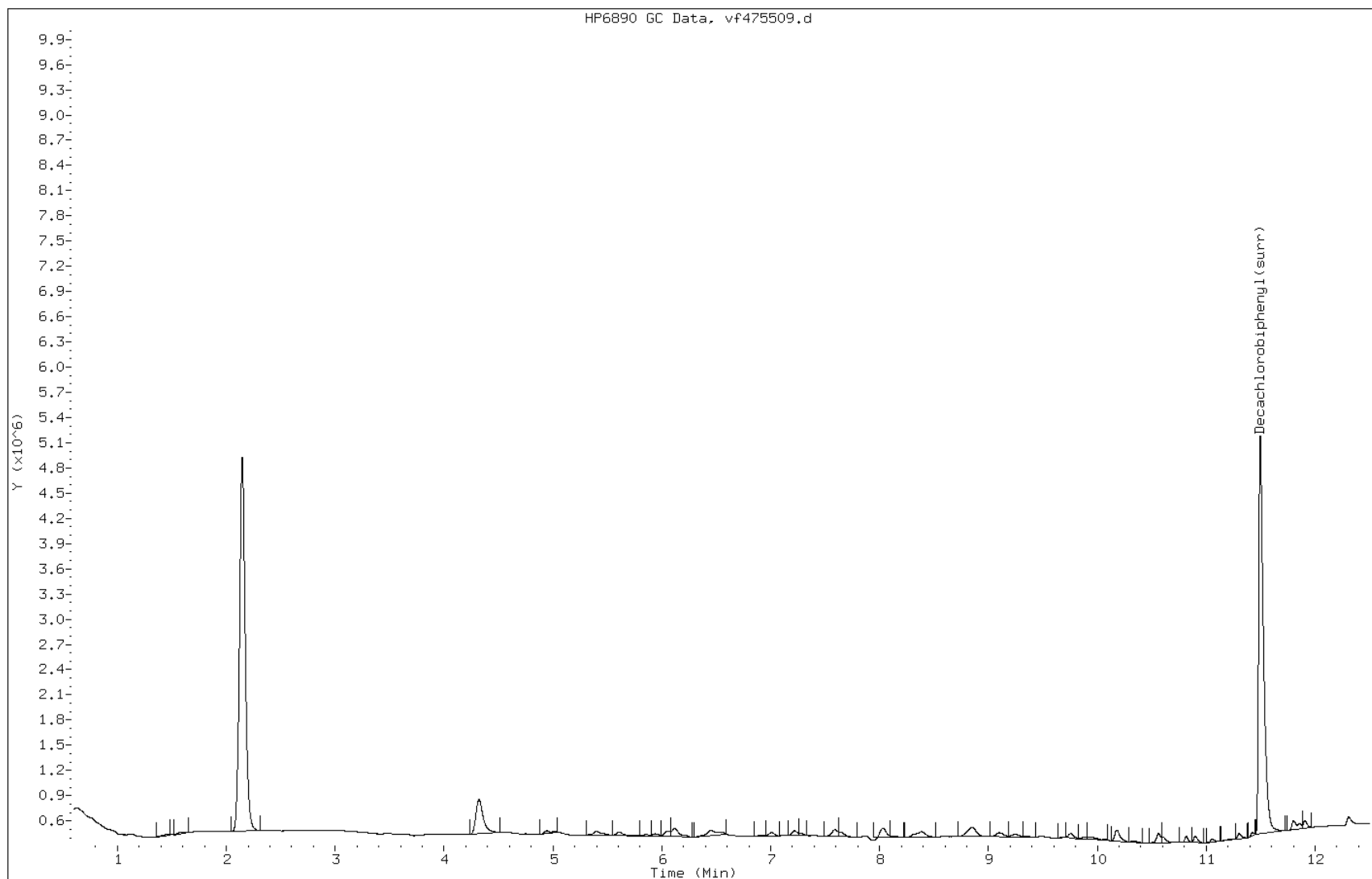
Date: 24-JUN-2012 21:47

Client ID: F-10

Instrument: PESTGC9.i

Sample Info: 460-41546-D-19-B

Operator: 615



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-10 Lab Sample ID: 460-41546-19
 Matrix: Solid Lab File ID: vr475509.d
 Analysis Method: 8082 Date Collected: 06/20/2012 13:48
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.00(g) Date Analyzed: 06/24/2012 21:47
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 9.7 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	14	U	74	14
11104-28-2	Aroclor 1221	22	U	74	22
11141-16-5	Aroclor 1232	42	U	74	42
53469-21-9	Aroclor 1242	14	U	74	14
12672-29-6	Aroclor 1248	20	U	74	20
11097-69-1	Aroclor 1254	25	U	74	25
11096-82-5	Aroclor 1260	8.3	U	74	8.3
37324-23-5	Aroclor 1262	13	U	74	13
11100-14-4	Aroclor 1268	13	U	74	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	90		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/vr475509.d
Lab Smp Id: 460-41546-D-19-B Client Smp ID: F-10
Inj Date : 24-JUN-2012 21:47
Operator : 615 Inst ID: PESTGC9.i
Smp Info : 460-41546-D-19-B
Misc Info : 460-41546-D-19-B
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/08Vr8082.m
Meth Date : 25-Jun-2012 08:28 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vr475170.d
Als bottle: 38
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	9.65058	% 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						
10.677	10.678	-0.001	14430699	45.0705	33 80.00- 120.00	100.00

Data File: vr475509.d

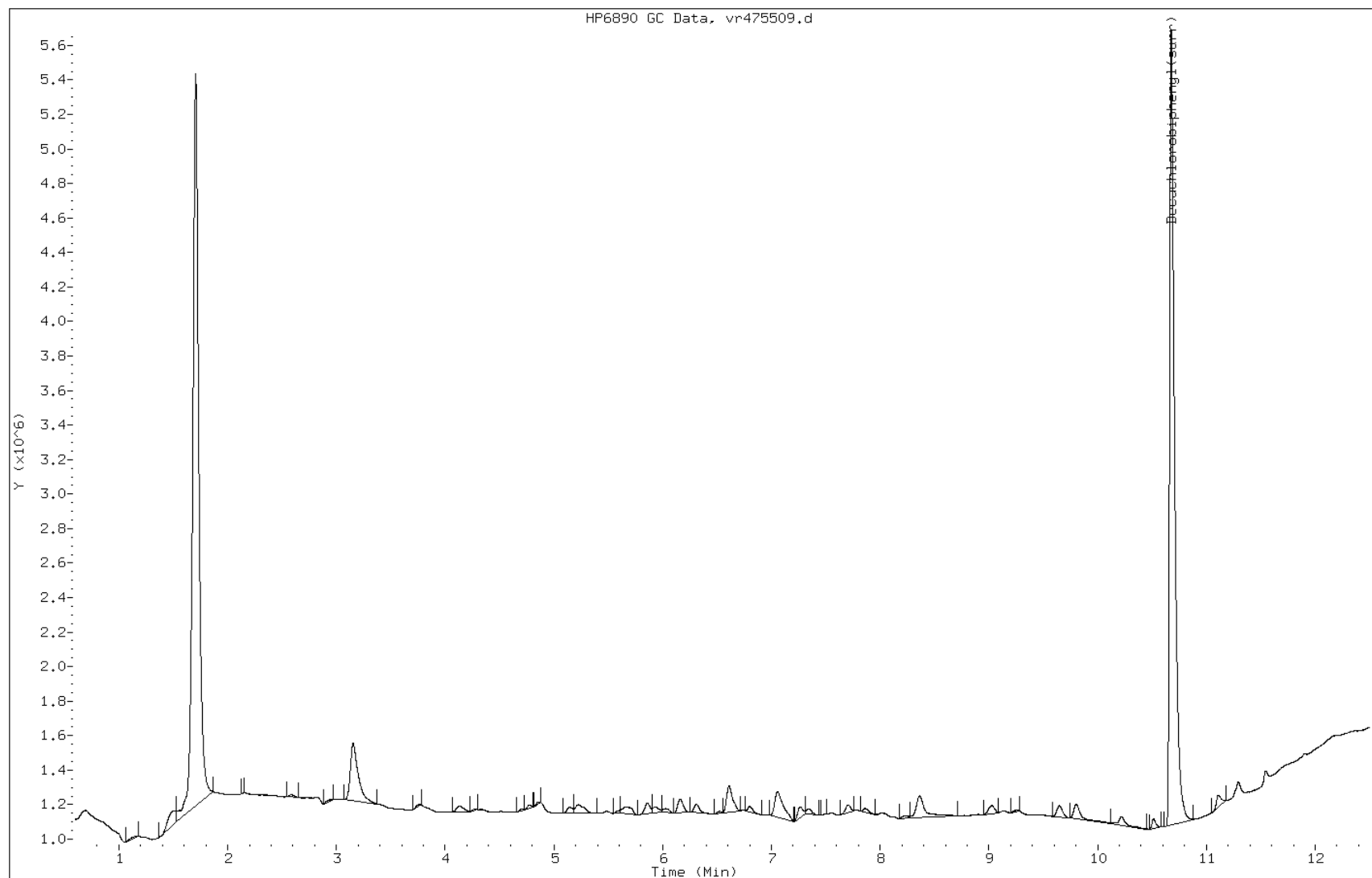
Date: 24-JUN-2012 21:47

Client ID: F-10

Instrument: PESTGC9.i

Sample Info: 460-41546-D-19-B

Operator: 615



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-11 Lab Sample ID: 460-41546-20
Matrix: Solid Lab File ID: vf475510.d
Analysis Method: 8082 Date Collected: 06/20/2012 13:52
Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
Sample wt/vol: 15.03(g) Date Analyzed: 06/24/2012 22:03
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: _____ GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 10.1 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	87		30-150

Data File: vf475510.d
Report Date: 25-Jun-2012 09:44

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475510.d
Lab Smp Id: 460-41546-D-20-B Client Smp ID: F-11
Inj Date : 24-JUN-2012 22:03
Operator : 615 Inst ID: PESTGC9.i
Smp Info : 460-41546-D-20-B
Misc Info : 460-41546-D-20-B
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
Meth Date : 25-Jun-2012 09:00 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vf475170.d
Als bottle: 39
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AllPCB.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.03000	Weight of sample extracted (g)
M	10.08547	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260					CAS #: 11096-82-5				
7.590	7.599	-0.009	672773	27.8297	20	80.00-	120.00	100.00(M)	
8.031	8.041	-0.010	429519	15.3255	11	92.28-	138.42	63.84	
8.845	8.862	-0.017	635910	16.2146	12	135.28-	202.92	94.52	
9.101	9.114	-0.013	643017	33.8475	25	63.46-	95.19	95.58	
9.244	9.258	-0.014	233207	22.2306	16	36.43-	54.65	34.66	
9.759	9.766	-0.007	435324	24.7396	18	61.74-	92.61	64.71	
10.560	10.568	-0.008	610613	29.8124	22	74.56-	111.84	90.76	
11.052	11.061	-0.009	205974	28.3271	21	27.83-	41.75	30.62	
Average of Peak Concentrations =					18				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.497	11.508	-0.011	12957361	43.6067	32	80.00-	120.00	100.00	

Data File: vf475510.d
Report Date: 25-Jun-2012 09:44

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475510.d

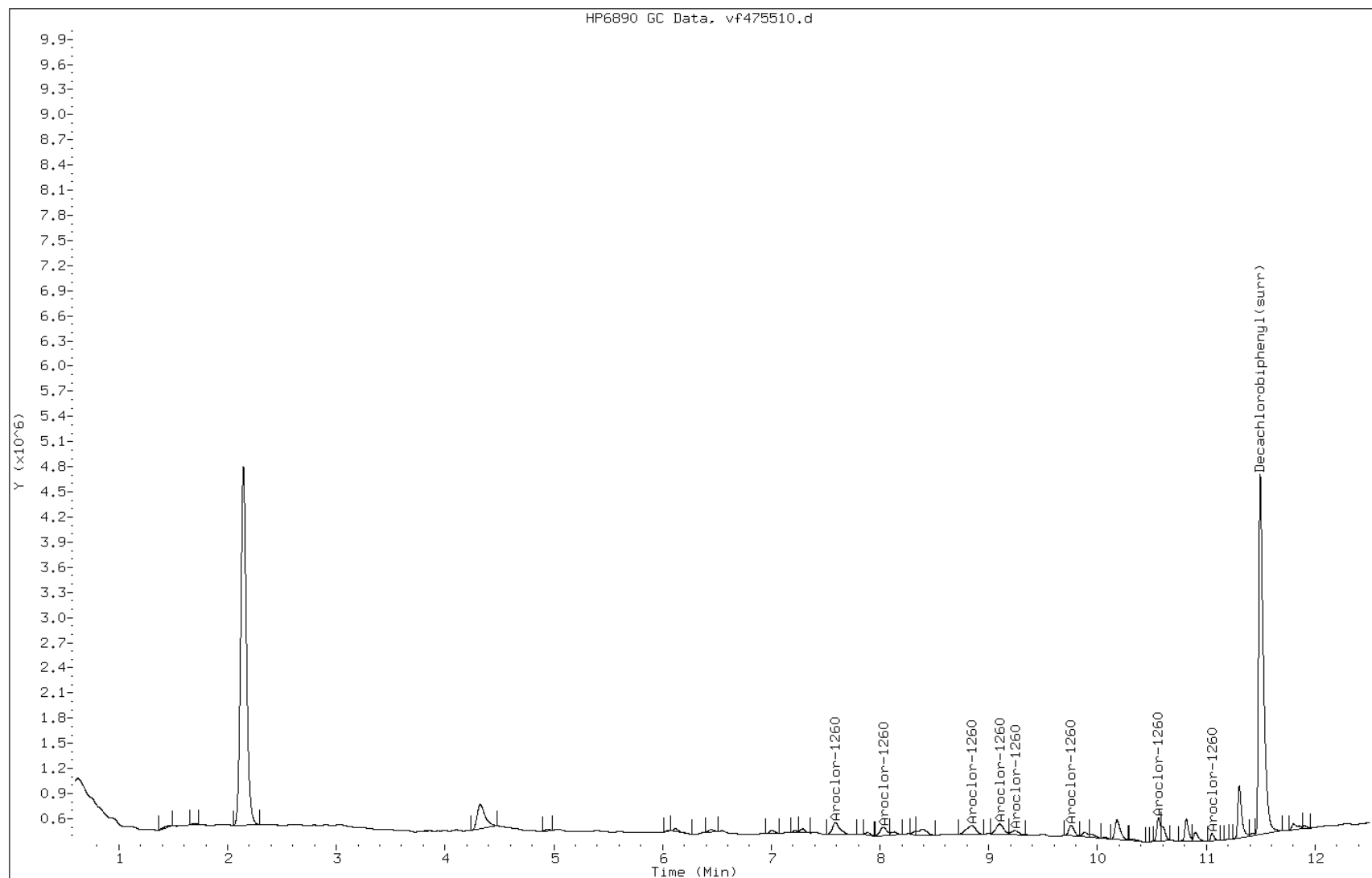
Date: 24-JUN-2012 22:03

Client ID: F-11

Instrument: PESTGC9.i

Sample Info: 460-41546-D-20-B

Operator: 615



Manual Integration Report

Data File: vf475510.d
Inj. Date and Time: 24-JUN-2012 22:03
Instrument ID: PESTGC9.i
Client ID: F-11
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 06/25/2012

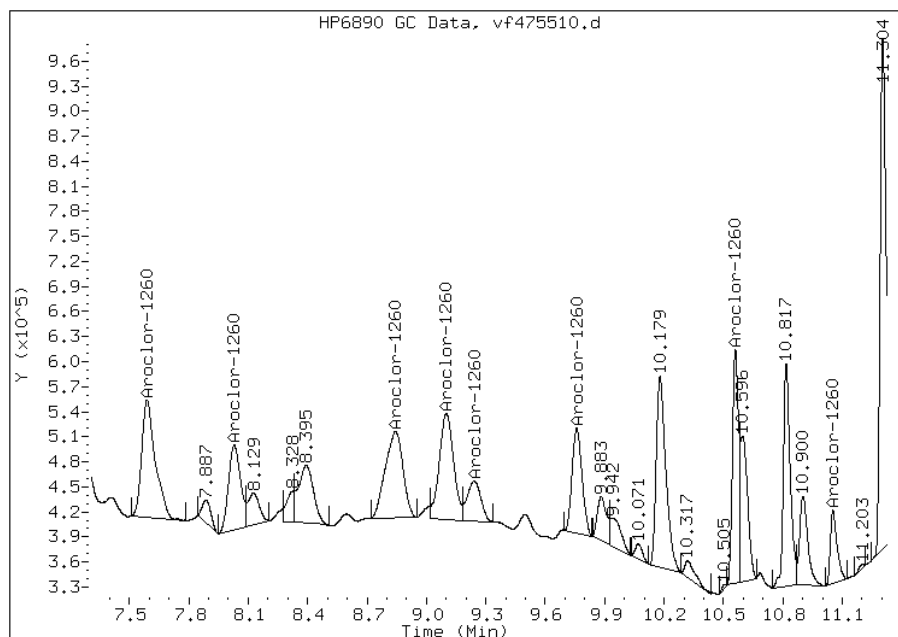
Processing Integration Results

Not Detected

Expected RT: 7.60

Manual Integration Results

RT: 7.59
Response: 672773
Amount: 24.79
Conc: 18.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-11 Lab Sample ID: 460-41546-20
 Matrix: Solid Lab File ID: vr475510.d
 Analysis Method: 8082 Date Collected: 06/20/2012 13:52
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.03(g) Date Analyzed: 06/24/2012 22:03
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 10.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	14	U	74	14
11104-28-2	Aroclor 1221	22	U	74	22
11141-16-5	Aroclor 1232	42	U	74	42
53469-21-9	Aroclor 1242	14	U	74	14
12672-29-6	Aroclor 1248	20	U	74	20
11097-69-1	Aroclor 1254	25	U	74	25
11096-82-5	Aroclor 1260	22	J	74	8.3
37324-23-5	Aroclor 1262	13	U	74	13
11100-14-4	Aroclor 1268	13	U	74	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80		30-150

Data File: vr475510.d

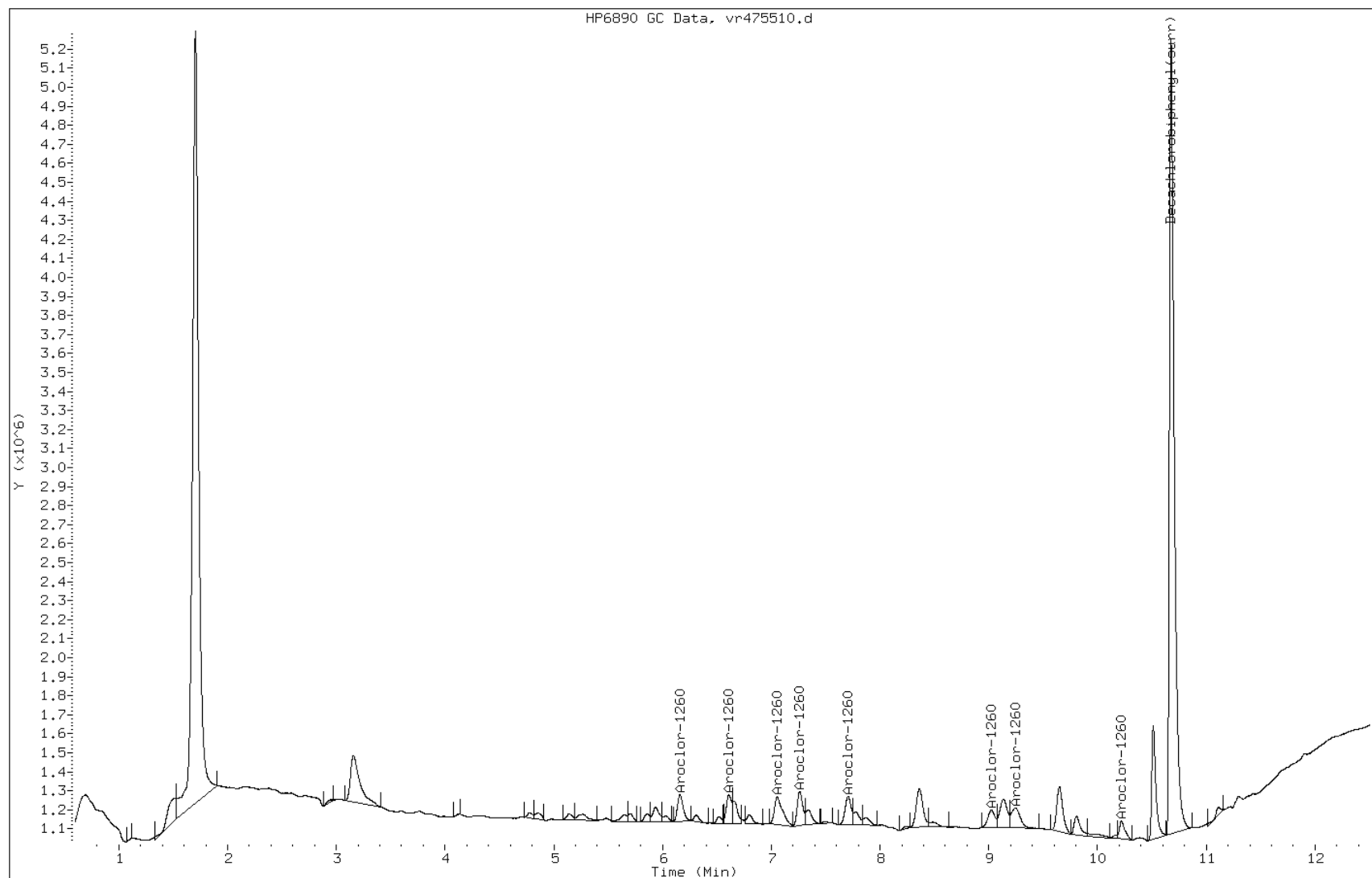
Date: 24-JUN-2012 22:03

Client ID: F-11

Instrument: PESTGC9.i

Sample Info: 460-41546-D-20-B

Operator: 615



Manual Integration Report

Data File: vr475510.d
Inj. Date and Time: 24-JUN-2012 22:03
Instrument ID: PESTGC9.i
Client ID: F-11
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 06/25/2012

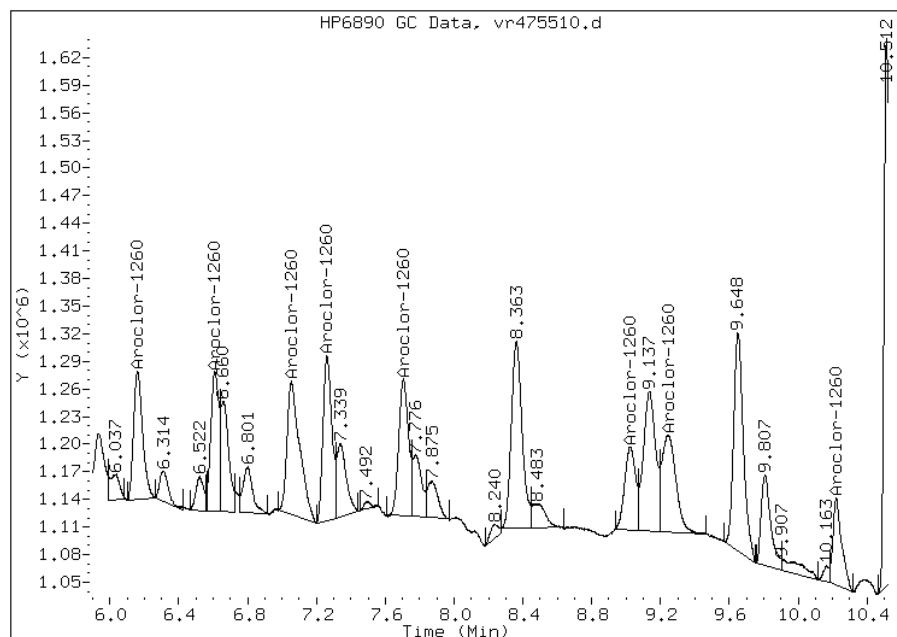
Processing Integration Results

Not Detected

Expected RT: 6.16

Manual Integration Results

RT: 6.16
Response: 509054
Amount: 30.07
Conc: 22.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-12 Lab Sample ID: 460-41546-21
Matrix: Solid Lab File ID: vf475497.d
Analysis Method: 8082 Date Collected: 06/20/2012 15:10
Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
Sample wt/vol: 15.01(g) Date Analyzed: 06/24/2012 18:35
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: _____ GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 7.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	123		30-150

Data File: vf475497.d
 Report Date: 25-Jun-2012 09:05

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475497.d
 Lab Smp Id: 460-41546-D-21-F Client Smp ID: F-12
 Inj Date : 24-JUN-2012 18:35
 Operator : 615 Inst ID: PESTGC9.i
 Smp Info : 460-41546-D-21-F
 Misc Info : 460-41546-D-21-F
 Comment :
 Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
 Meth Date : 25-Jun-2012 09:00 selbyc Quant Type: ESTD
 Cal Date : 17-JUN-2012 16:26 Cal File: vf475170.d
 Als bottle: 26
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: AllPCB.sub
 Target Version: 3.50 Sample Matrix: SOLID
 Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.01000	Weight of sample extracted (g)
M	7.27969	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 30	Decachlorobiphenyl(surr)				CAS #: 2051-24-3	
11.500	11.508	-0.008	18201167	61.2542	44 80.00- 120.00	100.00

Data File: vf475497.d

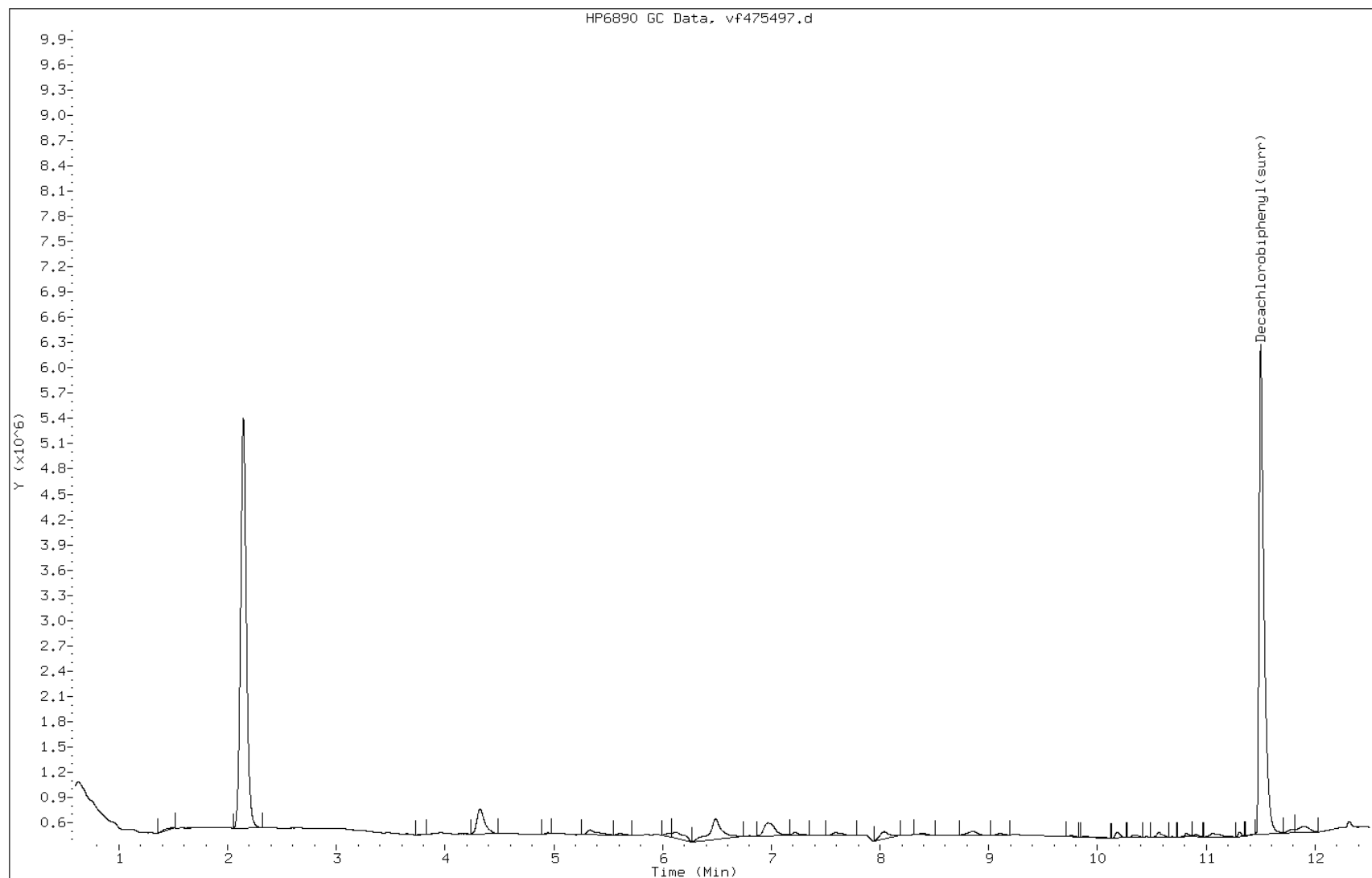
Date: 24-JUN-2012 18:35

Client ID: F-12

Instrument: PESTGC9.i

Sample Info: 460-41546-D-21-F

Operator: 615



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-12 Lab Sample ID: 460-41546-21
 Matrix: Solid Lab File ID: vr475497.d
 Analysis Method: 8082 Date Collected: 06/20/2012 15:10
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.01(g) Date Analyzed: 06/24/2012 18:35
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 7.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	14	U	72	14
11104-28-2	Aroclor 1221	22	U	72	22
11141-16-5	Aroclor 1232	41	U	72	41
53469-21-9	Aroclor 1242	14	U	72	14
12672-29-6	Aroclor 1248	19	U	72	19
11097-69-1	Aroclor 1254	25	U	72	25
11096-82-5	Aroclor 1260	8.1	U	72	8.1
37324-23-5	Aroclor 1262	12	U	72	12
11100-14-4	Aroclor 1268	12	U	72	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	118		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/vr475497.d
Lab Smp Id: 460-41546-D-21-F Client Smp ID: F-12
Inj Date : 24-JUN-2012 18:35
Operator : 615 Inst ID: PESTGC9.i
Smp Info : 460-41546-D-21-F
Misc Info : 460-41546-D-21-F
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/08Vr8082.m
Meth Date : 25-Jun-2012 08:28 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vr475170.d
Als bottle: 26
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	15.01000	Weight of sample extracted (g)
M	7.27969	% 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						
10.678	10.678	0.000	18890942	59.0009	42 80.00- 120.00	100.00

Data File: vr475497.d

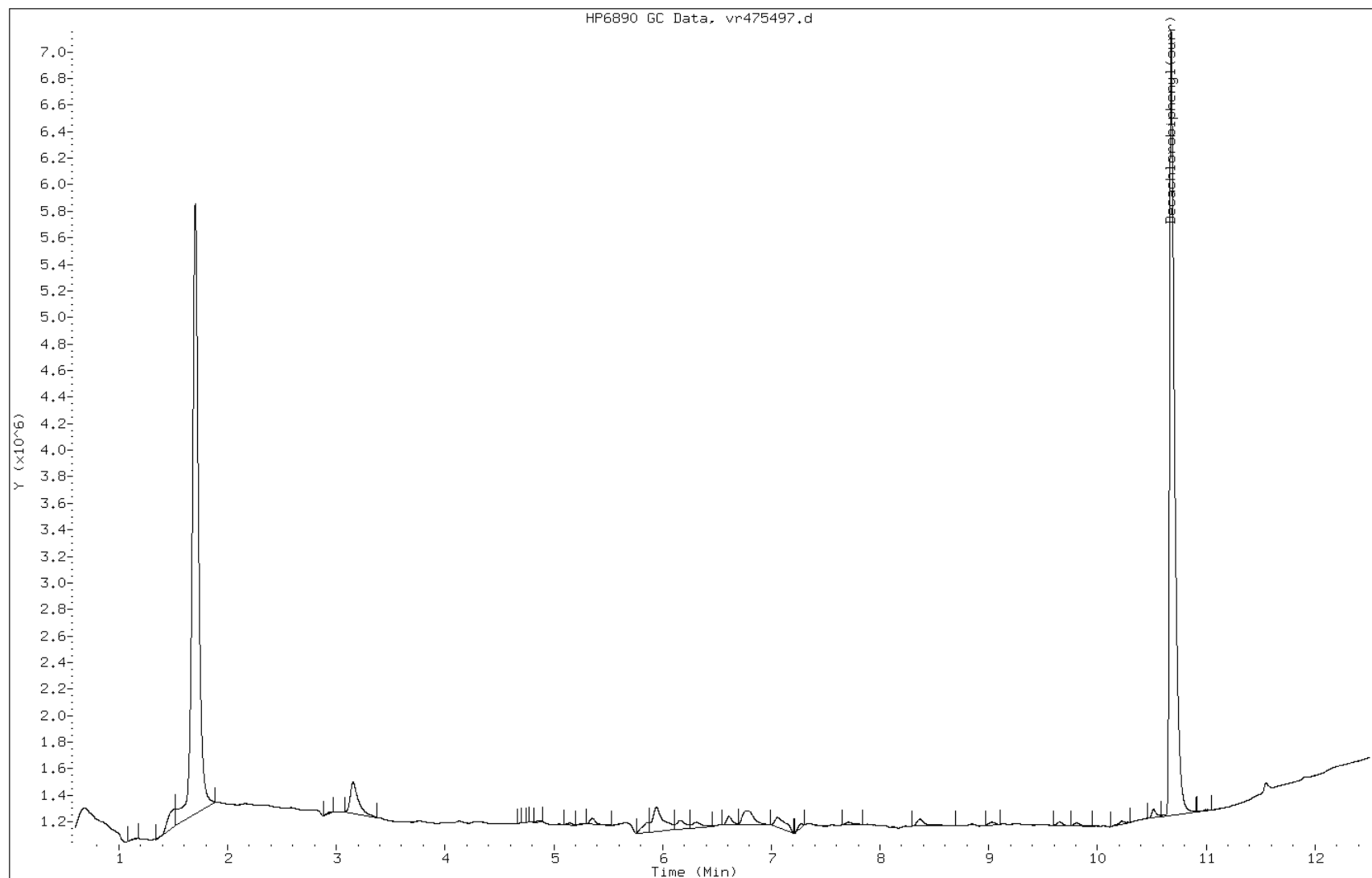
Date: 24-JUN-2012 18:35

Client ID: F-12

Instrument: PESTGC9.i

Sample Info: 460-41546-D-21-F

Operator: 615



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: F-13 Lab Sample ID: 460-41546-22
Matrix: Solid Lab File ID: vf475511.d
Analysis Method: 8082 Date Collected: 06/20/2012 15:20
Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
Sample wt/vol: 15.02(g) Date Analyzed: 06/24/2012 22:19
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 10.0 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	132		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475511.d
Lab Smp Id: 460-41546-D-22-B Client Smp ID: F-13
Inj Date : 24-JUN-2012 22:19
Operator : 615 Inst ID: PESTGC9.i
Smp Info : 460-41546-D-22-B
Misc Info : 460-41546-D-22-B
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
Meth Date : 25-Jun-2012 09:00 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vf475170.d
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AllPCB.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.02000	Weight of sample extracted (g)
M	10.03401	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
RT	EXP RT	DLT RT	ON-COL		FINAL	TARGET	RANGE	RATIO	
			RESPONSE	(ug/L)	(ug/kg)				
==	=====	=====	=====	=====	=====	=====	=====	=====	
26 Aroclor-1254					CAS #: 11097-69-1				
4.949	4.949	0.000	1356661	152.866	110	80.00-	120.00	100.00(M)	
6.122	6.123	-0.001	3618939	186.774	140	174.66-	261.99	266.75	
6.410	6.454	-0.044	15050374	783.991	580	173.05-	259.57	1109.37	
7.011	7.020	-0.009	11232309	811.494	600	124.77-	187.16	827.94	
7.224	7.226	-0.002	6779009	229.929	170	265.77-	398.65	499.68	
8.390	8.394	-0.004	3655924	220.543	160	149.43-	224.14	269.48	
8.862	8.864	-0.002	8187317	277.183	200	266.26-	399.39	603.49	
9.690	9.696	-0.006	1244291	220.682	160	50.83-	76.24	91.72	
Average of Peak Concentrations =					270				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.495	11.508	-0.013	19664130	66.1777	49	80.00-	120.00	100.00	

Data File: vf475511.d
Report Date: 25-Jun-2012 09:46

Page 2

QC Flag Legend

M - Compound response manually integrated.

Manual Integration Report

Data File: vf475511.d
Inj. Date and Time: 24-JUN-2012 22:19
Instrument ID: PESTGC9.i
Client ID: F-13
Compound: 26 Aroclor-1254
CAS #: 11097-69-1
Report Date: 06/25/2012

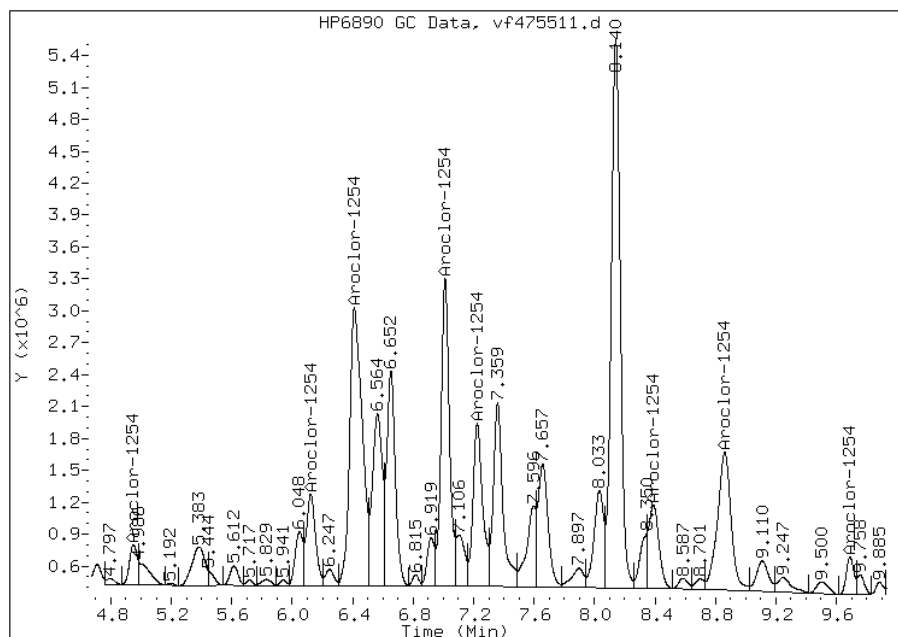
Processing Integration Results

Not Detected

Expected RT: 4.95

Manual Integration Results

RT: 4.95
Response: 1356661
Amount: 360.43
Conc: 270.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-13 Lab Sample ID: 460-41546-22
 Matrix: Solid Lab File ID: vr475511.d
 Analysis Method: 8082 Date Collected: 06/20/2012 15:20
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.02(g) Date Analyzed: 06/24/2012 22:19
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 10.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	14	U	74	14
11104-28-2	Aroclor 1221	22	U	74	22
11141-16-5	Aroclor 1232	42	U	74	42
53469-21-9	Aroclor 1242	14	U	74	14
12672-29-6	Aroclor 1248	20	U	74	20
11097-69-1	Aroclor 1254	280		74	25
11096-82-5	Aroclor 1260	8.3	U	74	8.3
37324-23-5	Aroclor 1262	13	U	74	13
11100-14-4	Aroclor 1268	13	U	74	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		30-150

Data File: vr475511.d
Report Date: 25-Jun-2012 09:46

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/vr475511.d
Lab Smp Id: 460-41546-D-22-B Client Smp ID: F-13
Inj Date : 24-JUN-2012 22:19
Operator : 615 Inst ID: PESTGC9.i
Smp Info : 460-41546-D-22-B
Misc Info : 460-41546-D-22-B
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/08Vr8082.m
Meth Date : 25-Jun-2012 08:28 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vr475170.d
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AllPCB.sub
Target Version: 3.50 Sample Matrix: SOLID
Processing Host: hpd3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	15.02000	Weight of sample extracted (g)
M	10.03401	% Moisture

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
26 Aroclor-1254					CAS #: 11097-69-1			
4.782	4.779	0.003	3270148	261.776	190	80.00-	120.00	100.00(M)
4.851	4.850	0.001	2145635	153.101	110	89.75-	134.62	65.61
5.267	5.220	0.047	14316996	761.810	560	120.35-	180.53	437.81
5.710	5.660	0.050	12120853	909.578	670	85.34-	128.01	370.65
5.860	5.861	-0.001	6048885	243.055	180	159.38-	239.06	184.97
6.312	6.311	0.001	5405836	234.354	170	147.72-	221.58	165.31
6.625	6.611	0.014	3684038	193.167	140	122.14-	183.20	112.66
7.060	7.061	-0.001	7135349	282.071	210	162.00-	243.00	218.20
Average of Peak Concentrations =					280			

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3			
10.678	10.678	0.000	16122423	50.3542	37	80.00-	120.00	100.00

Data File: vr475511.d
Report Date: 25-Jun-2012 09:46

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475511.d

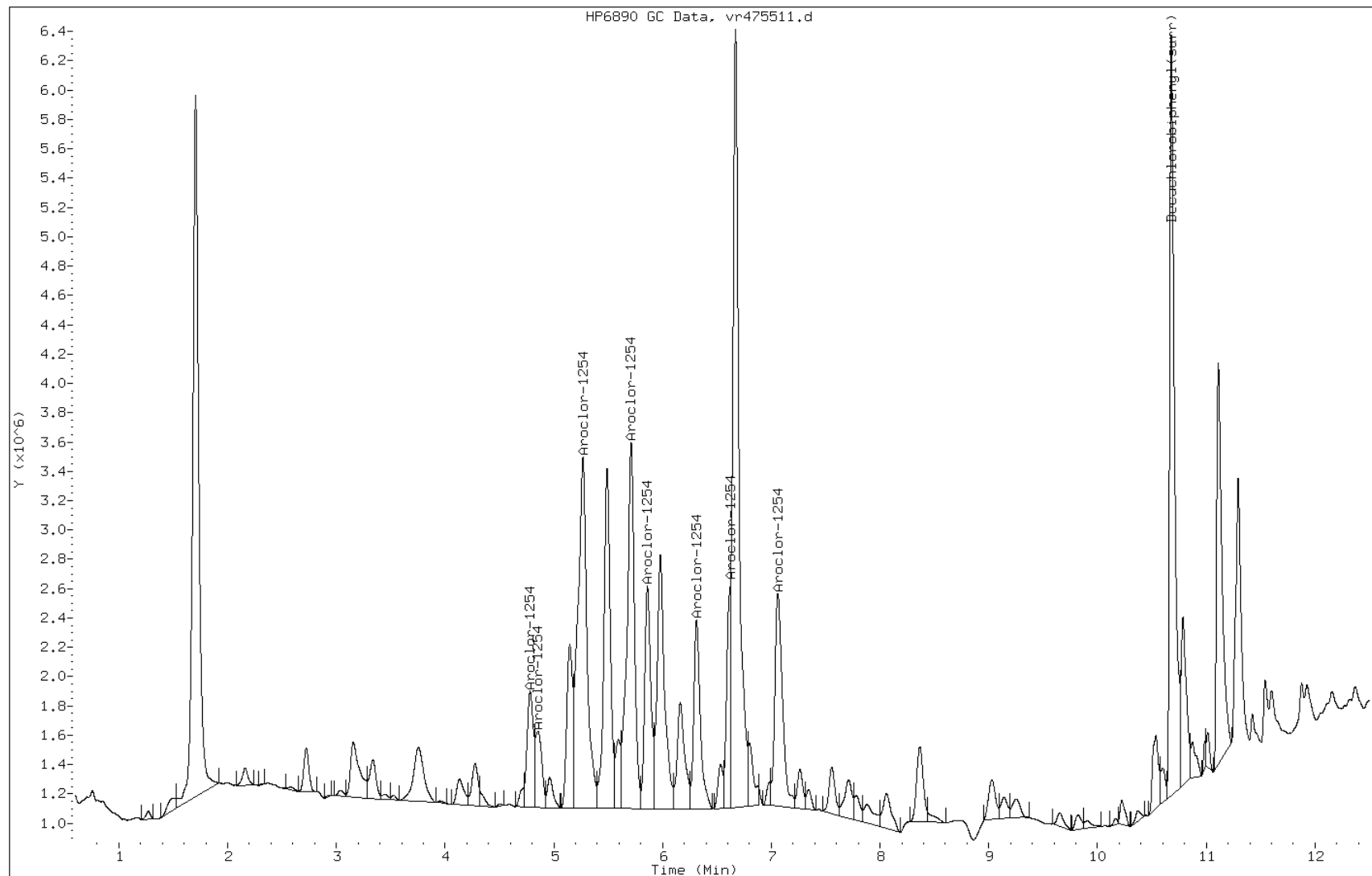
Date: 24-JUN-2012 22:19

Client ID: F-13

Instrument: PESTGC9.i

Sample Info: 460-41546-D-22-B

Operator: 615



Manual Integration Report

Data File: vr475511.d
Inj. Date and Time: 24-JUN-2012 22:19
Instrument ID: PESTGC9.i
Client ID: F-13
Compound: 26 Aroclor-1254
CAS #: 11097-69-1
Report Date: 06/25/2012

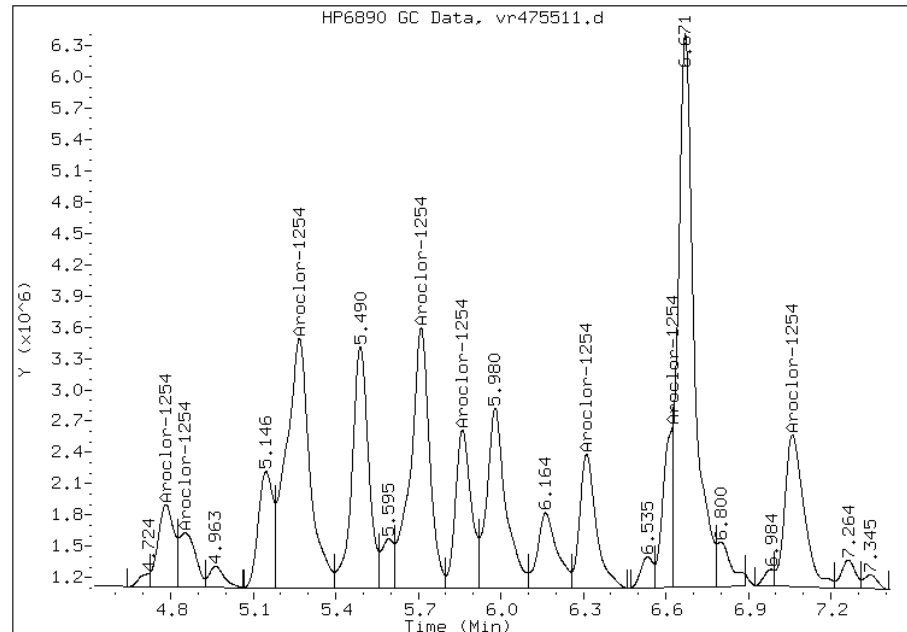
Processing Integration Results

Not Detected

Expected RT: 4.78

Manual Integration Results

RT: 4.78
Response: 3270148
Amount: 379.86
Conc: 280.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: FB-E Lab Sample ID: 460-41546-23
Matrix: Solid Lab File ID: vf475512.d
Analysis Method: 8082 Date Collected: 06/20/2012 00:00
Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
Sample wt/vol: 15.00(g) Date Analyzed: 06/24/2012 22:35
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 11.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	115		30-150

Data File: vf475512.d
Report Date: 25-Jun-2012 09:46

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475512.d
Lab Smp Id: 460-41546-D-23-B Client Smp ID: FB-E
Inj Date : 24-JUN-2012 22:35
Operator : 615 Inst ID: PESTGC9.i
Smp Info : 460-41546-D-23-B
Misc Info : 460-41546-D-23-B
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
Meth Date : 25-Jun-2012 09:00 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vf475170.d
Als bottle: 42
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	11.85468	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr) CAS #: 2051-24-3						
11.494	11.508	-0.014	17012973	57.2555	43 80.00- 120.00	100.00

Data File: vf475512.d

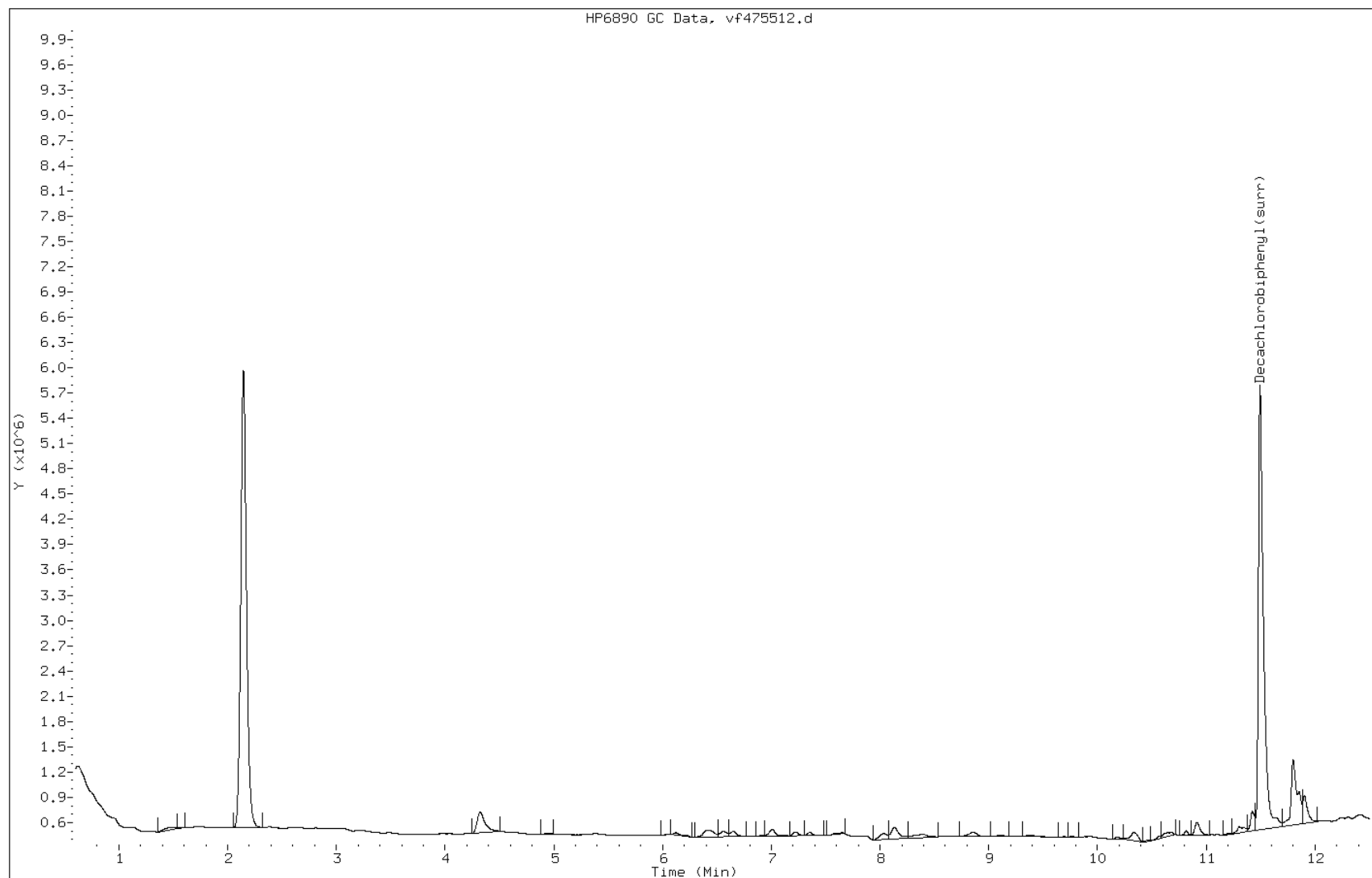
Date: 24-JUN-2012 22:35

Client ID: FB-E

Instrument: PESTGC9.i

Sample Info: 460-41546-D-23-B

Operator: 615



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: FB-E Lab Sample ID: 460-41546-23
 Matrix: Solid Lab File ID: vr475512.d
 Analysis Method: 8082 Date Collected: 06/20/2012 00:00
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.00(g) Date Analyzed: 06/24/2012 22:35
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 11.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	15	U	76	15
11104-28-2	Aroclor 1221	23	U	76	23
11141-16-5	Aroclor 1232	43	U	76	43
53469-21-9	Aroclor 1242	14	U	76	14
12672-29-6	Aroclor 1248	20	U	76	20
11097-69-1	Aroclor 1254	26	U	76	26
11096-82-5	Aroclor 1260	8.5	U	76	8.5
37324-23-5	Aroclor 1262	13	U	76	13
11100-14-4	Aroclor 1268	13	U	76	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	95		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/vr475512.d
Lab Smp Id: 460-41546-D-23-B Client Smp ID: FB-E
Inj Date : 24-JUN-2012 22:35
Operator : 615 Inst ID: PESTGC9.i
Smp Info : 460-41546-D-23-B
Misc Info : 460-41546-D-23-B
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/08Vr8082.m
Meth Date : 25-Jun-2012 08:28 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vr475170.d
Als bottle: 42
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	11.85468	% 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						
10.677	10.678	-0.001	15149347	47.3150	36 80.00- 120.00	100.00(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475512.d

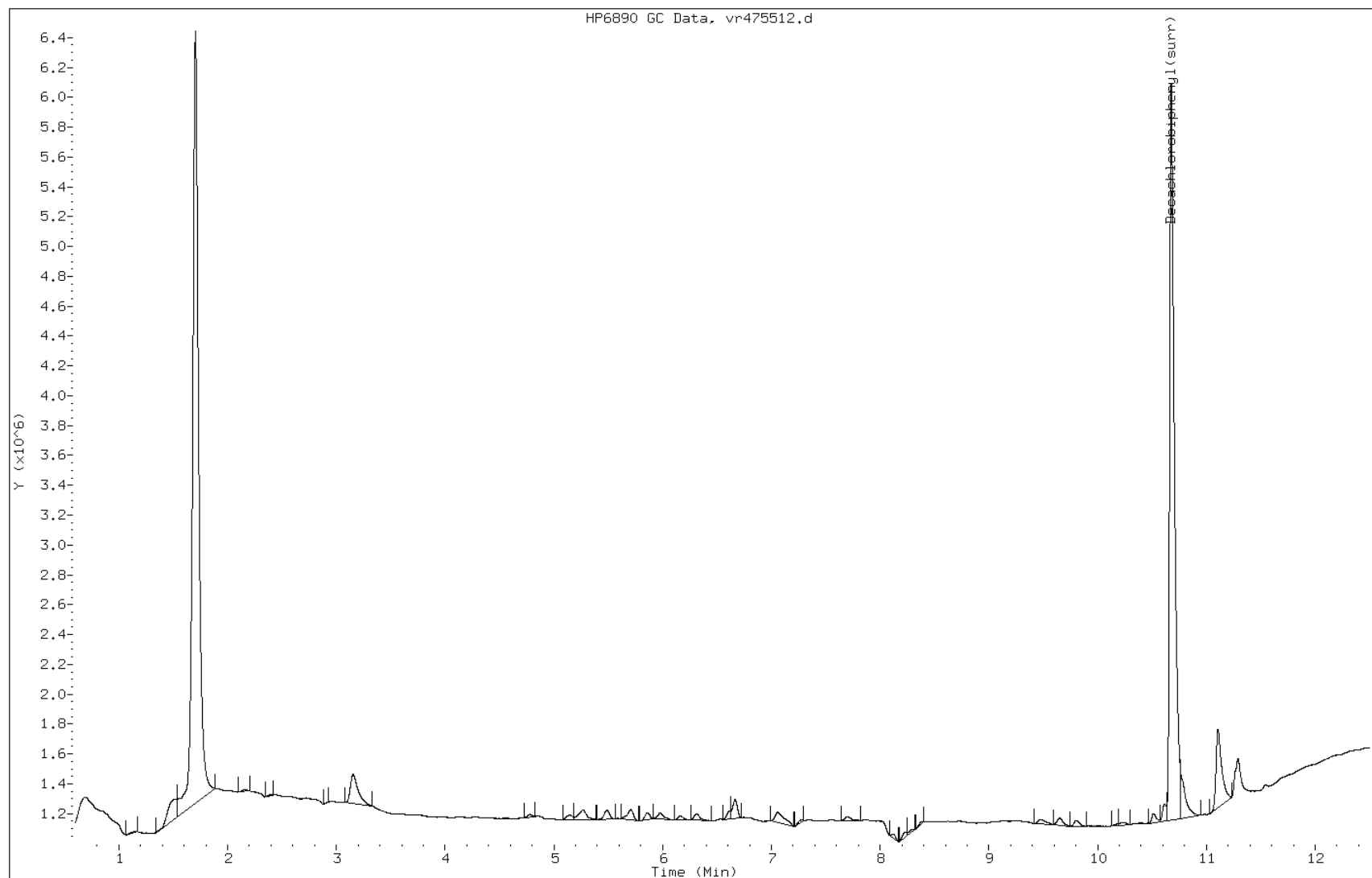
Date: 24-JUN-2012 22:35

Client ID: FB-E

Instrument: PESTGC9.i

Sample Info: 460-41546-D-23-B

Operator: 615

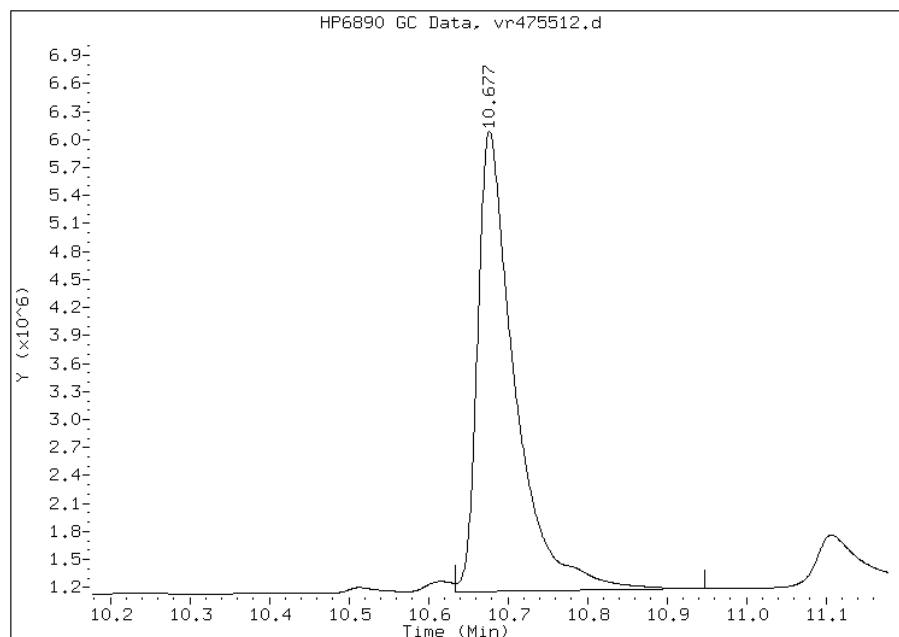


Manual Integration Report

Data File: vr475512.d
Inj. Date and Time: 24-JUN-2012 22:35
Instrument ID: PESTGC9.i
Client ID: FB-E
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 06/25/2012

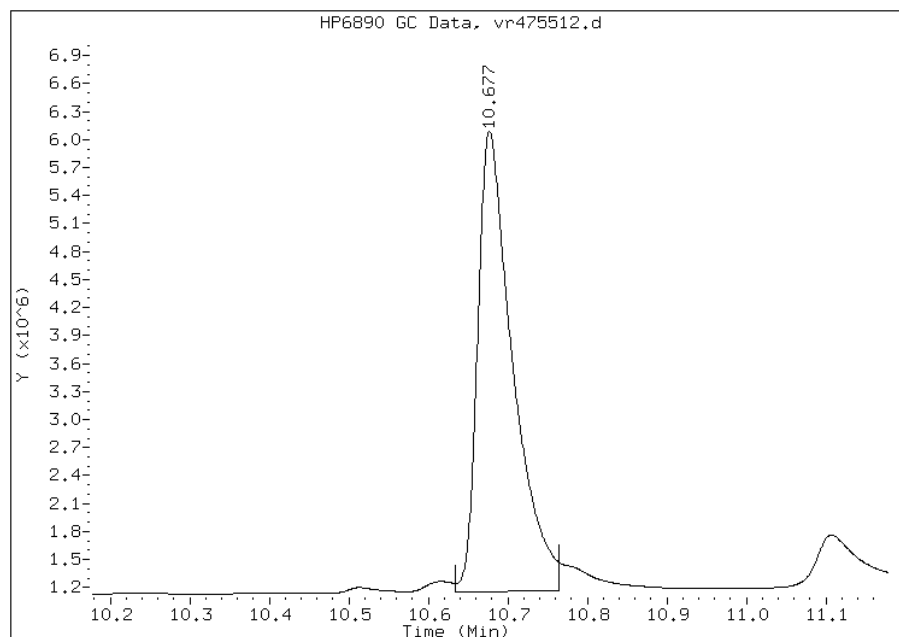
Processing Integration Results

RT: 10.68
Response: 16045765
Amount: 50.11
Conc: 37.90



Manual Integration Results

RT: 10.68
Response: 15149347
Amount: 47.32
Conc: 35.79



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 13:30 Calibration End Date: 06/17/2012 14:34 Calibration ID: 16064

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/4	vf475159.d
Level 2	IC 460-116500/5	vf475160.d
Level 3	IC 460-116500/6	vf475161.d
Level 4	IC 460-116500/7	vf475162.d
Level 5	IC 460-116500/8	vf475163.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	2.842	2.841	2.841	2.839	2.844						2.771 - 2.911	2.841
PCB-1016 Peak 2	3.490	3.491	3.489	3.487	3.493						3.419 - 3.559	3.490
PCB-1016 Peak 3	3.934	3.932	3.931	3.929	3.934						3.861 - 4.001	3.932
PCB-1016 Peak 4	4.332	4.334	4.333	4.332	4.335						4.263 - 4.403	4.333
PCB-1016 Peak 5	4.579	4.580	4.578	4.577	4.580						4.508 - 4.648	4.579
PCB-1016 Peak 6	5.017	5.019	5.018	5.017	5.020						4.948 - 5.088	5.018
PCB-1016 Peak 7	5.406	5.408	5.407	5.405	5.408						5.337 - 5.477	5.407
PCB-1016 Peak 8	5.617	5.618	5.617	5.617	5.620						5.547 - 5.687	5.618
PCB-1260 Peak 1	7.601	7.601	7.599	7.598	7.600						7.529 - 7.669	7.600
PCB-1260 Peak 2	8.041	8.041	8.041	8.040	8.040						7.971 - 8.111	8.041
PCB-1260 Peak 3	8.863	8.863	8.862	8.862	8.863						8.792 - 8.932	8.862
PCB-1260 Peak 4	9.116	9.116	9.114	9.115	9.115						9.044 - 9.184	9.115
PCB-1260 Peak 5	9.258	9.259	9.258	9.257	9.259						9.188 - 9.328	9.258
PCB-1260 Peak 6	9.767	9.768	9.766	9.766	9.766						9.696 - 9.836	9.767
PCB-1260 Peak 7	10.567	10.567	10.568	10.567	10.567						10.498 - 10.638	10.567
PCB-1260 Peak 8	11.059	11.061	11.061	11.060	11.061						10.991 - 11.131	11.061
DCB Decachlorobiphenyl	11.507	11.511	11.508	11.507	11.509						11.408 - 11.608	11.508

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 13:30 Calibration End Date: 06/17/2012 14:34 Calibration ID: 16064

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/4	vf475159.d
Level 2	IC 460-116500/5	vf475160.d
Level 3	IC 460-116500/6	vf475161.d
Level 4	IC 460-116500/7	vf475162.d
Level 5	IC 460-116500/8	vf475163.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	9702.7 7764.5	9051.7	8566.2	8247.0	Ave		8666.40681				8.6		20.0			
PCB-1016 Peak 2	21420 16218	19571	18528	17031	Ave		18553.5943				11.1		20.0			
PCB-1016 Peak 3	8615.3 6950.0	7780.8	7691.3	7384.8	Ave		7684.43064				8.0		20.0			
PCB-1016 Peak 4	39011 30180	36079	33958	31711	Ave		34187.5489				10.2		20.0			
PCB-1016 Peak 5	16761 13186	15826	14841	13910	Ave		14904.7274				9.6		20.0			
PCB-1016 Peak 6	11211 8076.0	10703	9916.1	9443.3	Ave		9869.95089				12.3		20.0			
PCB-1016 Peak 7	12534 9573.9	11383	10531	9774.7	Ave		10759.3082				11.3		20.0			
PCB-1016 Peak 8	10939 10608	11032	10699	10344	Ave		10724.4529				2.6		20.0			
PCB-1260 Peak 1	28665 21382	24747	23900	22179	Ave		24174.6544				11.8		20.0			
PCB-1260 Peak 2	34053 24664	28516	27325	25574	Ave		28026.4436				13.2		20.0			
PCB-1260 Peak 3	45284 36156	39054	38809	36788	Ave		39218.3702				9.2		20.0			
PCB-1260 Peak 4	22668 16962	19128	18698	17532	Ave		18997.5132				11.7		20.0			
PCB-1260 Peak 5	12747 9737.9	10097	10134	9736.0	Ave		10490.3691				12.2		20.0			
PCB-1260 Peak 6	18892 16502	17976	17811	16800	Ave		17596.2643				5.5		20.0			
PCB-1260 Peak 7	22681 19927	20270	20227	19304	Ave		20481.8706				6.3		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 13:30 Calibration End Date: 06/17/2012 14:34 Calibration ID: 16064

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	7304.5 7439.0	7035.3	7355.4	7222.2	Ave		7271.29412				2.1		20.0			
DCB Decachlorobiphenyl	309783 286842	315653	299875	273554	Ave		297141.325				5.8		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 13:30 Calibration End Date: 06/17/2012 14:34 Calibration ID: 16064

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/4	vf475159.d
Level 2	IC 460-116500/5	vf475160.d
Level 3	IC 460-116500/6	vf475161.d
Level 4	IC 460-116500/7	vf475162.d
Level 5	IC 460-116500/8	vf475163.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	970270	4525854	8566191	12370444	19411181	100	500	1000	1500	2500
PCB-1016 Peak 2	Ave	2141988	9785327	18528307	25546123	40545955	100	500	1000	1500	2500
PCB-1016 Peak 3	Ave	861533	3890386	7691266	11077179	17374998	100	500	1000	1500	2500
PCB-1016 Peak 4	Ave	3901051	18039434	33957637	47566837	75448762	100	500	1000	1500	2500
PCB-1016 Peak 5	Ave	1676111	7912900	14841118	20865060	32963923	100	500	1000	1500	2500
PCB-1016 Peak 6	Ave	1121147	5351412	9916103	14164990	20190077	100	500	1000	1500	2500
PCB-1016 Peak 7	Ave	1253355	5691504	10531380	14662123	23934636	100	500	1000	1500	2500
PCB-1016 Peak 8	Ave	1093920	5516215	10699066	15515429	26519873	100	500	1000	1500	2500
PCB-1260 Peak 1	Ave	2866521	12373530	23899887	33268934	53454564	100	500	1000	1500	2500
PCB-1260 Peak 2	Ave	3405307	14257999	27325383	38361282	61658948	100	500	1000	1500	2500
PCB-1260 Peak 3	Ave	4528412	19527111	38809011	55182595	90390253	100	500	1000	1500	2500
PCB-1260 Peak 4	Ave	2266770	9564128	18698240	26297681	42403957	100	500	1000	1500	2500
PCB-1260 Peak 5	Ave	1274659	5048582	10134253	14603962	24344659	100	500	1000	1500	2500
PCB-1260 Peak 6	Ave	1889211	8988142	17810885	25200630	41254056	100	500	1000	1500	2500
PCB-1260 Peak 7	Ave	2268106	10135030	20226572	28956678	49818023	100	500	1000	1500	2500
PCB-1260 Peak 8	Ave	730452	3517639	7355435	10833351	18597509	100	500	1000	1500	2500
DCB Decachlorobiphenyl	Ave	7744586	15782640	29987479	41033103	57368315	25.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

Data File: vf475159.d
Report Date: 18-Jun-2012 11:48

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/vf475159.d
Lab Smp Id: SG1660L1_00012
Inj Date : 17-JUN-2012 13:30
Operator : 615
Smp Info : SG1660L1_00012
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/08Vf8082.m
Meth Date : 18-Jun-2012 11:41 selbyc
Cal Date :
Als bottle: 79
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
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						
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
21 Aroclor-1016			CAS #: 12674-11-2			
2.842	2.841	0.001	970270 100.000	110	80.00- 120.00	100.00(M)
3.490	3.489	0.001	2141988 100.000	110	173.04- 259.55	220.76
3.934	3.931	0.003	861533 100.000	100	71.83- 107.74	88.79
4.332	4.333	-0.001	3901051 100.000	110	317.13- 475.70	402.06
4.579	4.578	0.001	1676111 100.000	110	138.60- 207.90	172.75
5.017	5.018	-0.001	1121147 100.000	110	92.61- 138.91	115.55
5.406	5.407	-0.001	1253355 100.000	110	98.35- 147.53	129.18
5.617	5.617	0.000	1093920 100.000	100	99.92- 149.88	112.74
Average of Peak Amounts =			106			
27 Aroclor-1260			CAS #: 11096-82-5			
7.601	7.599	0.002	2866521 100.000	110	80.00- 120.00	100.00(M)

Data File: vf475159.d
 Report Date: 18-Jun-2012 11:48

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
8.041	8.041	0.000	3405307	100.000	110	91.47-	137.20	118.80	
8.863	8.862	0.001	4528412	100.000	110	129.91-	194.86	157.98	
9.116	9.114	0.002	2266770	100.000	110	62.59-	93.88	79.08	
9.258	9.258	0.000	1274659	100.000	110	33.92-	50.88	44.47	
9.767	9.766	0.001	1889211	100.000	100	59.62-	89.43	65.91	
10.567	10.568	-0.001	2268106	100.000	100	67.70-	101.56	79.12	
11.059	11.061	-0.002	730452	100.000	100	24.62-	36.93	25.48	
Average of Peak Amounts =					107				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.507	11.508	-0.001	7744586	25.0000	25	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475159.d

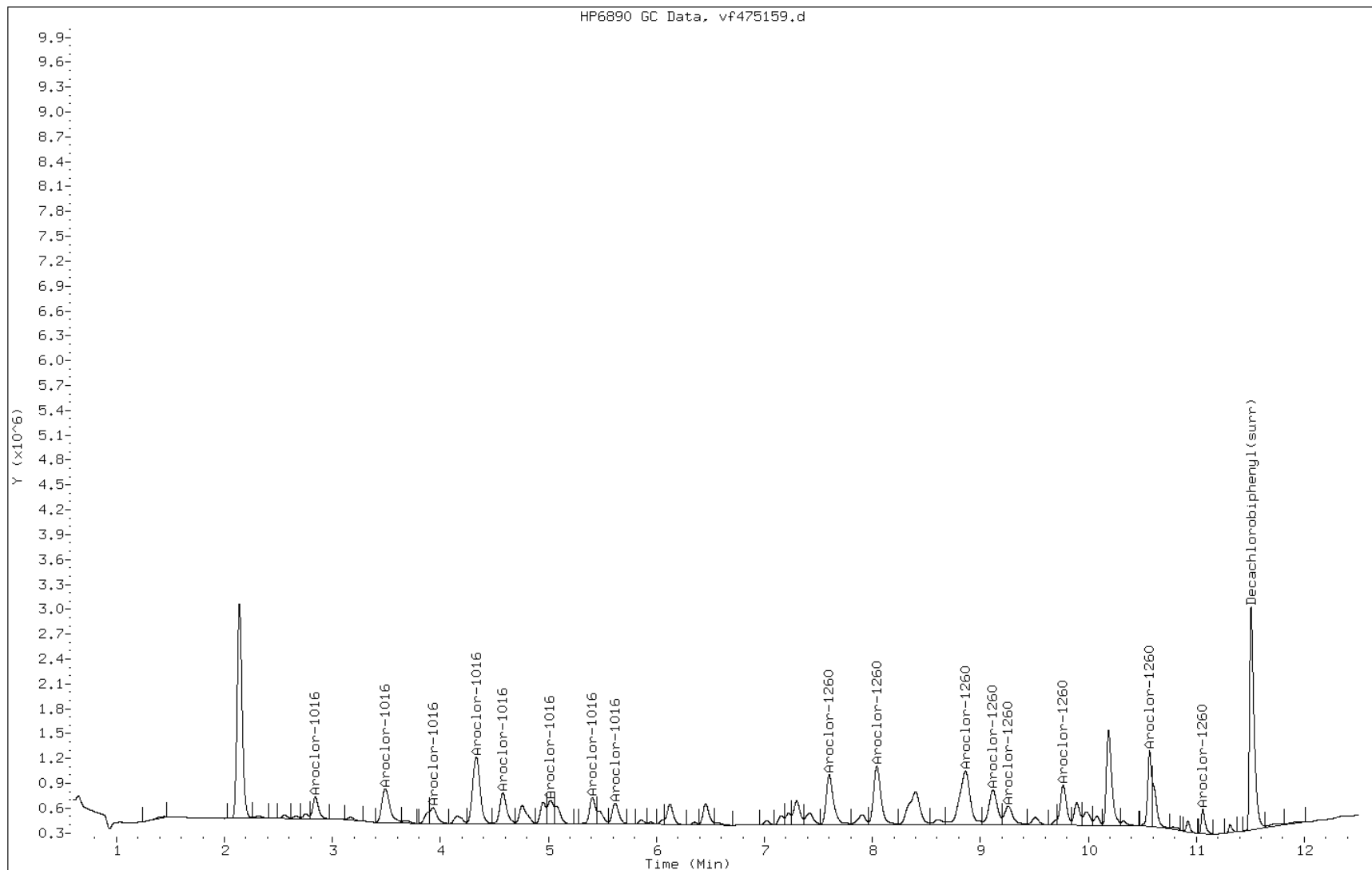
Date: 17-JUN-2012 13:30

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1660L1_00012

Operator: 615



Data File: vf475160.d
 Report Date: 18-Jun-2012 11:52

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/vf475160.d
 Lab Smp Id: SG1660L2_00012
 Inj Date : 17-JUN-2012 13:46
 Operator : 615
 Smp Info : SG1660L2_00012
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/08Vf8082.m
 Meth Date : 18-Jun-2012 11:41 selbyc
 Cal Date :
 Als bottle: 80
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3

Inst ID: PESTGC9.i

Quant Type: ESTD

Cal File:

Calibration Sample, Level: 2

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	CAL-AMT RESPONSE (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
21 Aroclor-1016			CAS #: 12674-11-2			
2.841	2.841	0.000	4525854 500.000	500	80.00- 120.00	100.00(M)
3.491	3.489	0.002	9785327 500.000	490	176.61- 264.91	216.21
3.932	3.931	0.001	3890386 500.000	480	71.03- 106.55	85.96
4.334	4.333	0.001	18039434 500.000	500	321.65- 482.47	398.59
4.580	4.578	0.002	7912900 500.000	500	138.20- 207.30	174.84
5.019	5.018	0.001	5351412 500.000	500	92.44- 138.66	118.24
5.408	5.407	0.001	5691504 500.000	500	103.34- 155.01	125.76
5.618	5.617	0.001	5516215 500.000	510	90.20- 135.29	121.88
Average of Peak Amounts =			497			
27 Aroclor-1260			CAS #: 11096-82-5			
7.601	7.599	0.002	12373530 500.000	480	80.00- 120.00	100.00(M)

Data File: vf475160.d
 Report Date: 18-Jun-2012 11:52

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
8.041	8.041	0.000	14257999	500.000	480	95.04-	142.55	115.23	
8.863	8.862	0.001	19527111	500.000	480	126.38-	189.57	157.81	
9.116	9.114	0.002	9564128	500.000	470	63.26-	94.89	77.30	
9.259	9.258	0.001	5048582	500.000	460	35.57-	53.36	40.80	
9.768	9.766	0.002	8988142	500.000	490	52.72-	79.09	72.64	
10.567	10.568	-0.001	10135030	500.000	480	63.30-	94.95	81.91	
11.061	11.061	0.000	3517639	500.000	490	20.39-	30.58	28.43	
Average of Peak Amounts =					478				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.511	11.508	0.003	15782640	50.0000	51	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475160.d

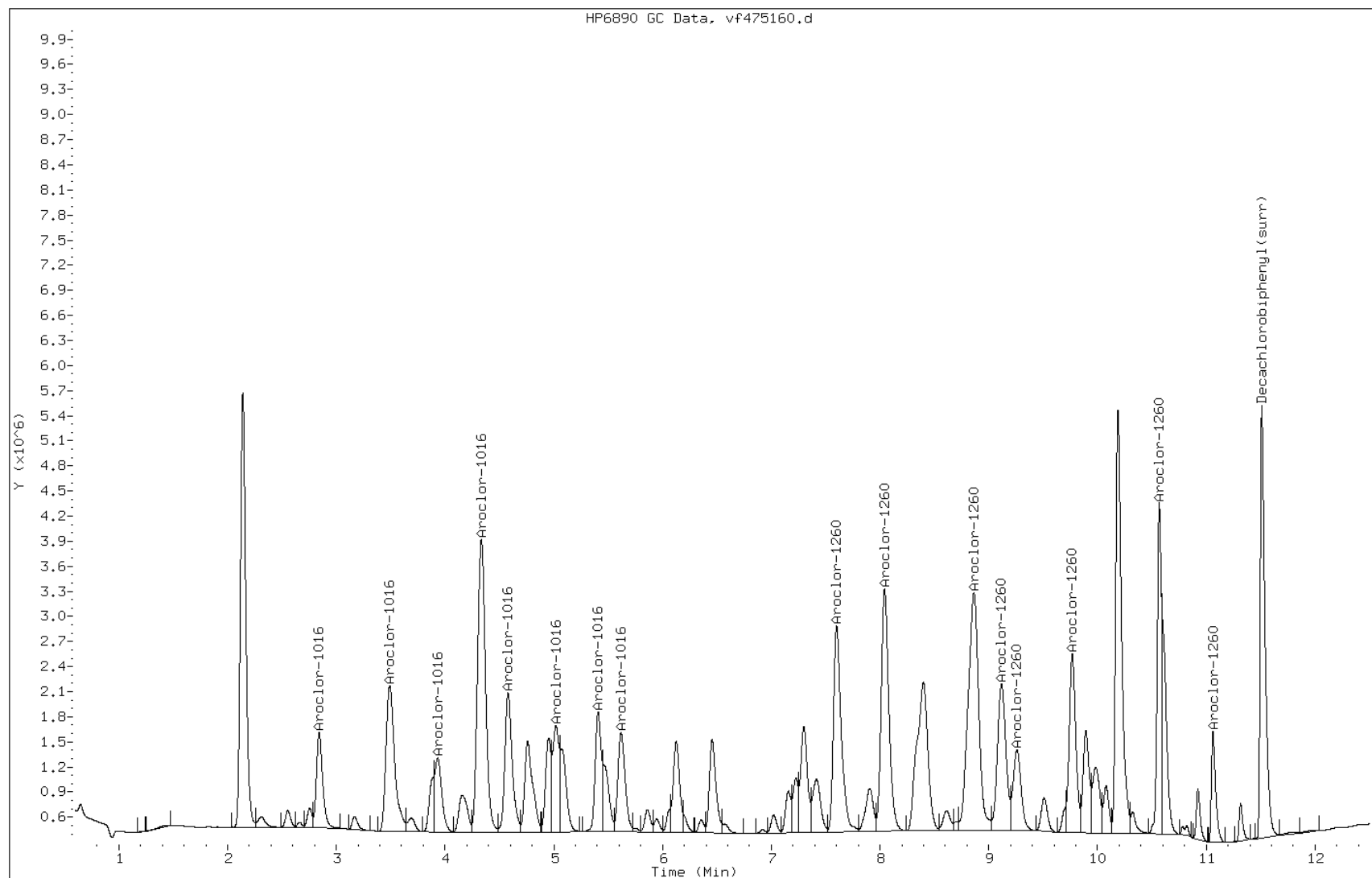
Date: 17-JUN-2012 13:46

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1660L2_00012

Operator: 615



Data File: vf475161.d
 Report Date: 18-Jun-2012 11:45

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/vf475161.d
 Lab Smp Id: SG1660L3_00017
 Inj Date : 17-JUN-2012 14:02
 Operator : 615
 Smp Info : SG1660L3_00017
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/08Vf8082.m
 Meth Date : 18-Jun-2012 11:41 selbyc
 Cal Date :
 Als bottle: 81
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3
 Inst ID: PESTGC9.i
 Quant Type: ESTD
 Cal File:
 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	RESPONSE	CAL -AMT (ug/L)	ON - COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.841	2.847	-0.006	8566191	1000.00	1000	0.00-	0.00	100.00(M)
3.489	3.497	-0.008	18528307	1000.00	1000	0.00-	0.00	216.30
3.931	3.939	-0.008	7691266	1000.00	1000	0.00-	0.00	89.79
4.333	4.341	-0.008	33957637	1000.00	1000	0.00-	0.00	396.41
4.578	4.587	-0.009	14841118	1000.00	1000	0.00-	0.00	173.25
5.018	5.027	-0.009	9916103	1000.00	1000	0.00-	0.00	115.76
5.407	5.415	-0.008	10531380	1000.00	1000	0.00-	0.00	122.94
5.617	5.625	-0.008	10699066	1000.00	1000	0.00-	0.00	124.90
Average of Peak Amounts =					1e+03			

27 Aroclor-1260					CAS #: 11096-82-5			
7.599	7.607	-0.008	23899887	1000.00	1000	0.00-	0.00	100.00(M)

Data File: vf475161.d
 Report Date: 18-Jun-2012 11:45

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL - AMT (ug/L)	ON - COL (ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
8.041	8.048	-0.007	27325383	1000.00	1000	0.00-	0.00	114.33
8.862	8.872	-0.010	38809011	1000.00	1000	0.00-	0.00	162.38
9.114	9.126	-0.012	18698240	1000.00	1000	0.00-	0.00	78.24
9.258	9.268	-0.010	10134253	1000.00	1000	0.00-	0.00	42.40
9.766	9.778	-0.012	17810885	1000.00	1000	0.00-	0.00	74.52
10.568	10.575	-0.007	20226572	1000.00	1000	0.00-	0.00	84.63
11.061	11.067	-0.006	7355435	1000.00	1000	0.00-	0.00	30.78
Average of Peak Amounts =					1e+03			

\$ 30 Decachlorobiphenyl(surr)					CAS #:	2051-24-3		
11.508	11.517	-0.009	29987479	100.000	100	0.00-	0.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475161.d

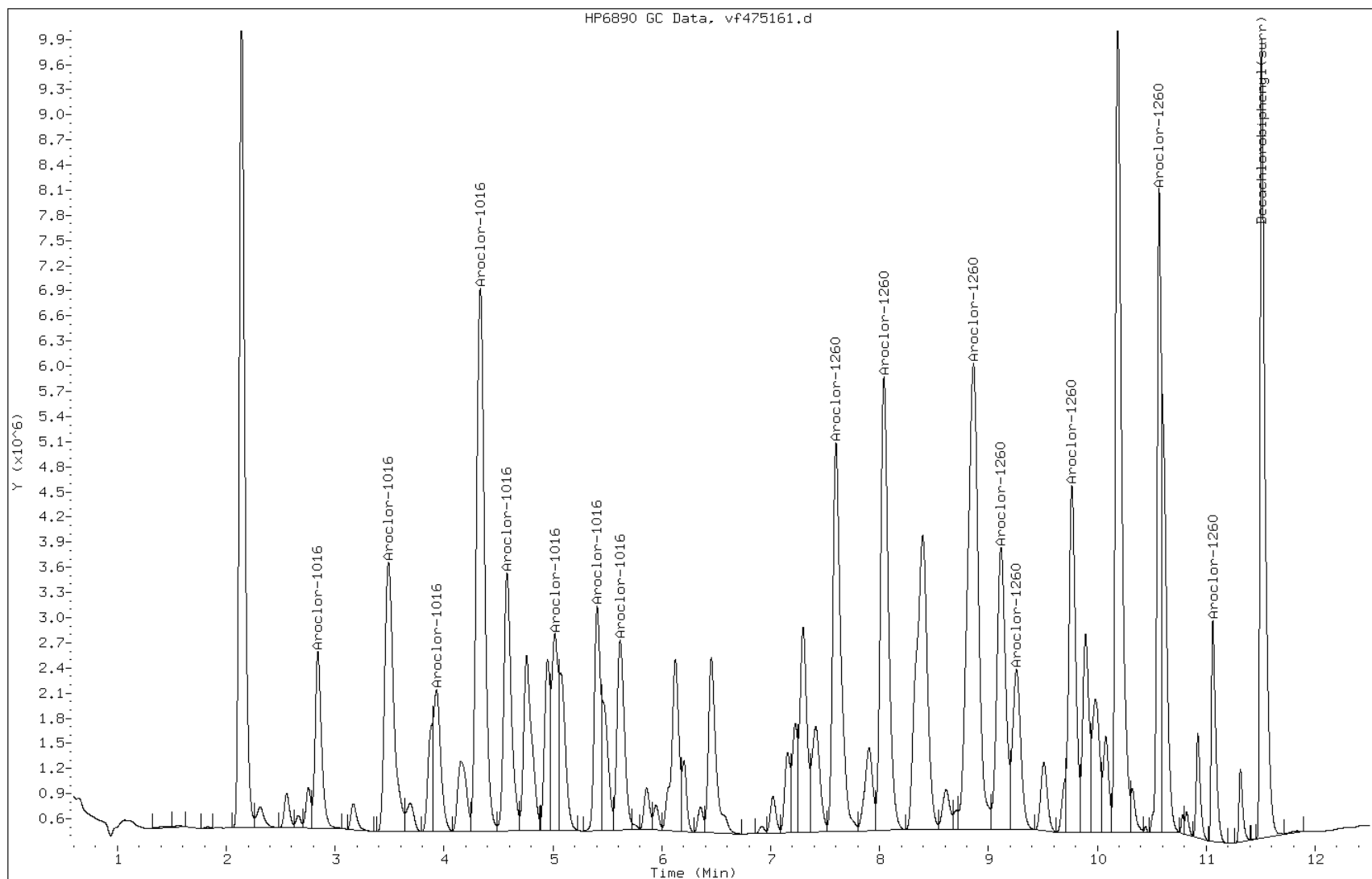
Date: 17-JUN-2012 14:02

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1660L3_00017

Operator: 615



Data File: vf475162.d
Report Date: 18-Jun-2012 11:55

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/vf475162.d
Lab Smp Id: SG1660L4_00012
Inj Date : 17-JUN-2012 14:18
Operator : 615
Smp Info : SG1660L4_00012
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/08Vf8082.m
Meth Date : 18-Jun-2012 11:41 selbyc
Cal Date :
Als bottle: 82
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
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				
2.839	2.841	-0.002	12370444	1500.00	1400	80.00-	120.00	100.00(M)	
3.487	3.489	-0.002	25546123	1500.00	1300	172.97-	259.45	206.51	
3.929	3.931	-0.002	11077179	1500.00	1400	68.77-	103.15	89.55	
4.332	4.333	-0.001	47566837	1500.00	1400	318.87-	478.30	384.52	
4.577	4.578	-0.001	20865060	1500.00	1400	139.87-	209.81	168.67	
5.017	5.018	-0.001	14164990	1500.00	1400	94.59-	141.89	114.51	
5.405	5.407	-0.002	14662123	1500.00	1300	100.60-	150.91	118.53	
5.617	5.617	0.000	15515429	1500.00	1400	97.51-	146.26	125.42	
Average of Peak Amounts =					1.37e+03				

27 Aroclor-1260					CAS #: 11096-82-5				
7.598	7.599	-0.001	33268934	1500.00	1300	80.00-	120.00	100.00(M)	

Data File: vf475162.d
 Report Date: 18-Jun-2012 11:55

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
8.040	8.041	-0.001	38361282	1500.00	1300	92.18-	138.28	115.31	
8.862	8.862	0.000	55182595	1500.00	1400	126.25-	189.38	165.87	
9.115	9.114	0.001	26297681	1500.00	1300	61.84-	92.75	79.05	
9.257	9.258	-0.001	14603962	1500.00	1400	32.64-	48.96	43.90	
9.766	9.766	0.000	25200630	1500.00	1400	58.11-	87.17	75.75	
10.567	10.568	-0.001	28956678	1500.00	1400	65.53-	98.29	87.04	
11.060	11.061	-0.001	10833351	1500.00	1500	22.74-	34.11	32.56	
Average of Peak Amounts =					1.38e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.507	11.508	-0.001	41033103	150.000	140	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475162.d

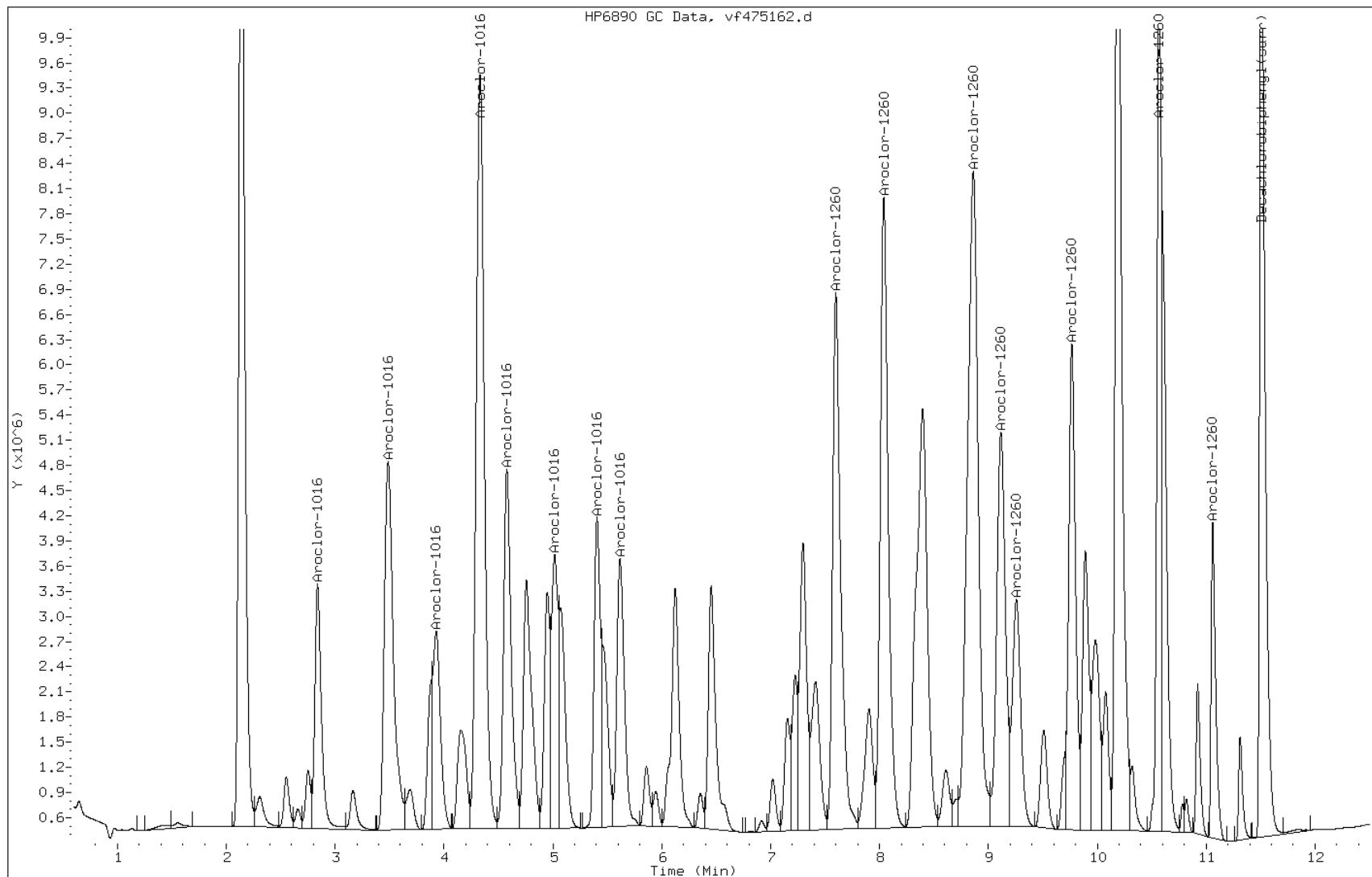
Date: 17-JUN-2012 14:18

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1660L4_00012

Operator: 615



Data File: vf475163.d
Report Date: 18-Jun-2012 11:56

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/vf475163.d
Lab Smp Id: SG1660L5_00012
Inj Date : 17-JUN-2012 14:34
Operator : 615
Smp Info : SG1660L5_00012
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/08Vf8082.m
Meth Date : 18-Jun-2012 11:41 selbyc
Cal Date :
Als bottle: 83
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
Calibration Sample, Level: 5
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

		AMOUNTS							
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====		=====	
21 Aroclor-1016			CAS #: 12674-11-2						
2.844	2.841	0.003	19411181 2500.00	2200	80.00- 120.00	100.00(M)			
3.493	3.489	0.004	40545955 2500.00	2200	165.21- 247.81	208.88			
3.934	3.931	0.003	17374998 2500.00	2300	71.64- 107.45	89.51			
4.335	4.333	0.002	75448762 2500.00	2200	307.62- 461.42	388.69			
4.580	4.578	0.002	32963923 2500.00	2200	134.93- 202.40	169.82			
5.020	5.018	0.002	20190077 2500.00	2000	91.61- 137.41	104.01			
5.408	5.407	0.001	23934636 2500.00	2200	94.82- 142.23	123.30			
5.620	5.617	0.003	26519873 2500.00	2500	100.34- 150.51	136.62			
Average of Peak Amounts =			2.23e+03						
27 Aroclor-1260			CAS #: 11096-82-5						
7.600	7.599	0.001	53454564 2500.00	2200	80.00- 120.00	100.00(M)			

Data File: vf475163.d
 Report Date: 18-Jun-2012 11:56

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
8.040	8.041	-0.001	61658948	2500.00	2200	92.25-	138.37	115.35	
8.863	8.862	0.001	90390253	2500.00	2300	132.69-	199.04	169.10	
9.115	9.114	0.001	42403957	2500.00	2200	63.24-	94.85	79.33	
9.259	9.258	0.001	24344659	2500.00	2300	35.12-	52.68	45.54	
9.766	9.766	0.000	41254056	2500.00	2300	60.60-	90.90	77.18	
10.567	10.568	-0.001	49818023	2500.00	2400	69.63-	104.45	93.20	
11.061	11.061	0.000	18597509	2500.00	2600	26.05-	39.08	34.79	
Average of Peak Amounts =					2.33e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
11.509	11.508	0.001	57368315	200.000	190	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475163.d

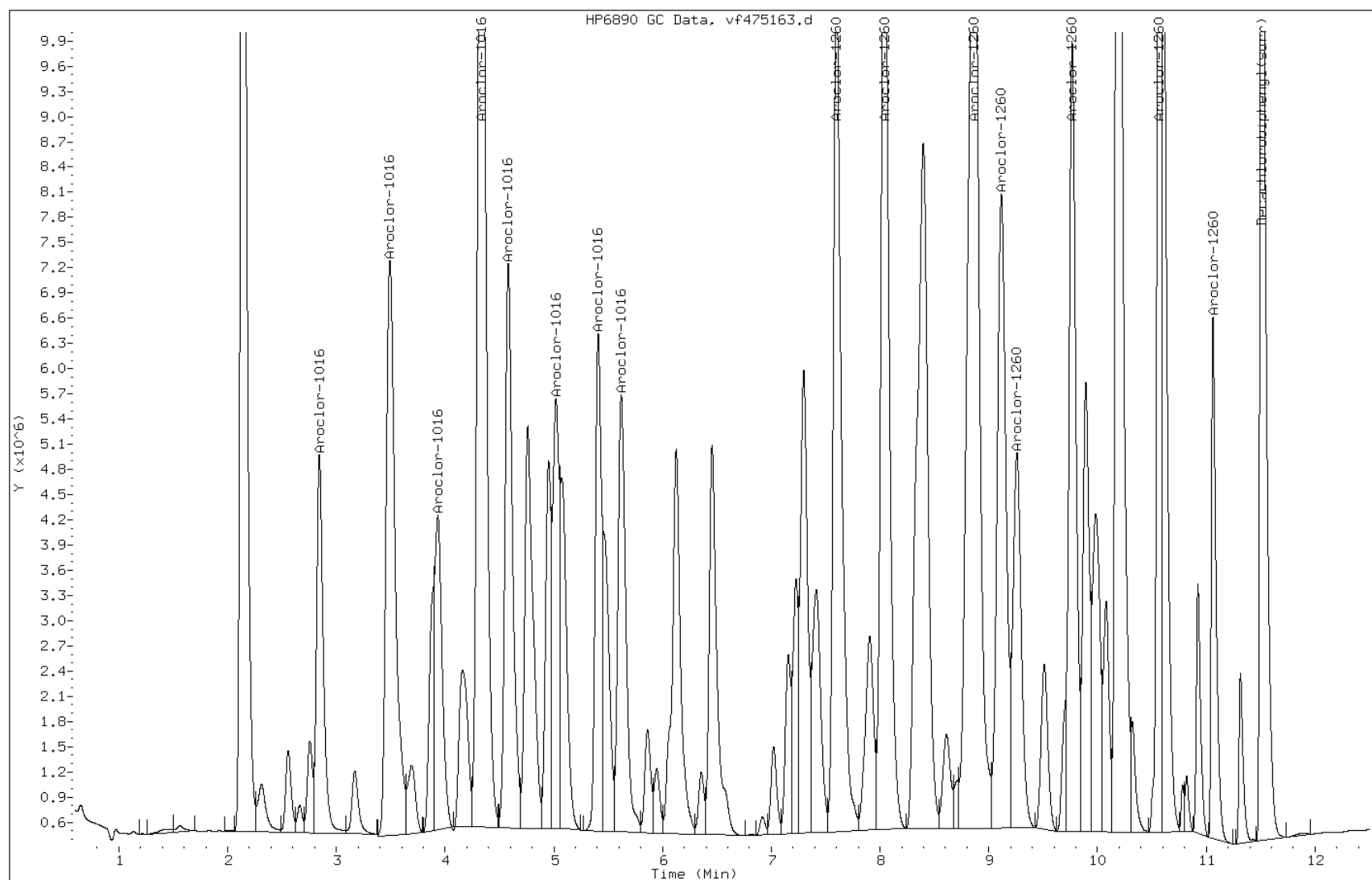
Date: 17-JUN-2012 14:34

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1660L5_00012

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 13:30 Calibration End Date: 06/17/2012 14:34 Calibration ID: 16065

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/4	vr475159.d
Level 2	IC 460-116500/5	vr475160.d
Level 3	IC 460-116500/6	vr475161.d
Level 4	IC 460-116500/7	vr475162.d
Level 5	IC 460-116500/8	vr475163.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	2.137	2.137	2.138	2.134	2.139						2.068 - 2.208	2.137
PCB-1016 Peak 2	2.587	2.588	2.588	2.586	2.590						2.518 - 2.658	2.588
PCB-1016 Peak 3	2.841	2.841	2.841	2.838	2.843						2.771 - 2.911	2.841
PCB-1016 Peak 4	3.200	3.201	3.199	3.197	3.202						3.129 - 3.269	3.200
PCB-1016 Peak 5	3.414	3.413	3.413	3.410	3.415						3.343 - 3.483	3.413
PCB-1016 Peak 6	3.778	3.778	3.778	3.777	3.780						3.708 - 3.848	3.778
PCB-1016 Peak 7	4.136	4.136	4.135	4.133	4.137						4.065 - 4.205	4.135
PCB-1016 Peak 8	4.279	4.283	4.282	4.278	4.284						4.212 - 4.352	4.281
PCB-1260 Peak 1	6.166	6.166	6.164	6.163	6.165						6.094 - 6.234	6.165
PCB-1260 Peak 2	6.616	6.616	6.615	6.614	6.615						6.545 - 6.685	6.615
PCB-1260 Peak 3	7.063	7.064	7.063	7.062	7.064						6.993 - 7.133	7.063
PCB-1260 Peak 4	7.269	7.268	7.268	7.267	7.269						7.198 - 7.338	7.268
PCB-1260 Peak 5	7.717	7.717	7.716	7.716	7.717						7.646 - 7.786	7.717
PCB-1260 Peak 6	9.036	9.037	9.036	9.036	9.037						8.966 - 9.106	9.036
PCB-1260 Peak 7	9.263	9.265	9.264	9.264	9.264						9.194 - 9.334	9.264
PCB-1260 Peak 8	10.226	10.226	10.225	10.225	10.225						10.155 - 10.295	10.225
DCB Decachlorobiphenyl	10.681	10.681	10.680	10.679	10.680						10.580 - 10.780	10.680

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 13:30 Calibration End Date: 06/17/2012 14:34 Calibration ID: 16065

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/4	vr475159.d
Level 2	IC 460-116500/5	vr475160.d
Level 3	IC 460-116500/6	vr475161.d
Level 4	IC 460-116500/7	vr475162.d
Level 5	IC 460-116500/8	vr475163.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	9301.0 7599.5	9116.7	8596.5	7997.9	Ave		8522.33413				8.5		20.0			
PCB-1016 Peak 2	17515 13324	16045	15337	13967	Ave		15237.6417				10.9		20.0			
PCB-1016 Peak 3	10059 9631.7	10412	9979.9	9489.2	Ave		9914.31521				3.7		20.0			
PCB-1016 Peak 4	39040 29864	36028	33916	30956	Ave		33960.8846				11.0		20.0			
PCB-1016 Peak 5	12309 11414	13356	12681	11667	Ave		12285.3385				6.4		20.0			
PCB-1016 Peak 6	13941 11476	13037	13033	12091	Ave		12715.3191				7.5		20.0			
PCB-1016 Peak 7	14021 11534	13032	12644	11865	Ave		12619.0646				7.8		20.0			
PCB-1016 Peak 8	5277.0 4976.8	5655.0	5294.2	4906.4	Ave		5221.89321				5.7		20.0			
PCB-1260 Peak 1	23109 17700	20906	20027	18486	Ave		20045.5672				10.6		20.0			
PCB-1260 Peak 2	43152 34134	39620	38292	35573	Ave		38154.0143				9.3		20.0			
PCB-1260 Peak 3	35493 31735	34708	34518	32446	Ave		33780.1157				4.8		20.0			
PCB-1260 Peak 4	19156 16715	18873	18411	17348	Ave		18100.7892				5.7		20.0			
PCB-1260 Peak 5	16692 15114	17048	16586	15607	Ave		16209.3766				5.0		20.0			
PCB-1260 Peak 6	19805 19468	19673	20202	19424	Ave		19714.2426				1.6		20.0			
PCB-1260 Peak 7	11833 11576	11403	11560	11262	Ave		11526.8518				1.9		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 13:30 Calibration End Date: 06/17/2012 14:34 Calibration ID: 16065

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	9095.2 9639.3	9316.6	9718.0	9402.5	Ave		9434.32103				2.7		20.0			
DCB Decachlorobiphenyl	342990 312152	336610	321332	287819	Ave		320180.534				6.8		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 13:30 Calibration End Date: 06/17/2012 14:34 Calibration ID: 16065

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/4	vr475159.d
Level 2	IC 460-116500/5	vr475160.d
Level 3	IC 460-116500/6	vr475161.d
Level 4	IC 460-116500/7	vr475162.d
Level 5	IC 460-116500/8	vr475163.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	930101	4558374	8596534	11996803	18998775	100	500	1000	1500	2500
PCB-1016 Peak 2	Ave	1751546	8022401	15336927	20951045	33309140	100	500	1000	1500	2500
PCB-1016 Peak 3	Ave	1005904	5205871	9979871	14233816	24079281	100	500	1000	1500	2500
PCB-1016 Peak 4	Ave	3904030	18014058	33915629	46434625	74659903	100	500	1000	1500	2500
PCB-1016 Peak 5	Ave	1230936	6677785	12681472	17499790	28534410	100	500	1000	1500	2500
PCB-1016 Peak 6	Ave	1394073	6518311	13032680	18136516	28688882	100	500	1000	1500	2500
PCB-1016 Peak 7	Ave	1402059	6515927	12643937	17797652	28834602	100	500	1000	1500	2500
PCB-1016 Peak 8	Ave	527699	2827516	5294165	7359661	12442096	100	500	1000	1500	2500
PCB-1260 Peak 1	Ave	2310904	10452906	20027203	27728748	44249873	100	500	1000	1500	2500
PCB-1260 Peak 2	Ave	4315159	19810051	38291667	53359330	85334565	100	500	1000	1500	2500
PCB-1260 Peak 3	Ave	3549347	17353996	34518444	48668637	79337286	100	500	1000	1500	2500
PCB-1260 Peak 4	Ave	1915595	9436704	18411274	26022014	41788262	100	500	1000	1500	2500
PCB-1260 Peak 5	Ave	1669171	8524124	16586004	23410413	37784947	100	500	1000	1500	2500
PCB-1260 Peak 6	Ave	1980464	9836729	20201514	29135438	48669939	100	500	1000	1500	2500
PCB-1260 Peak 7	Ave	1183309	5701291	11560456	16892568	28941048	100	500	1000	1500	2500
PCB-1260 Peak 8	Ave	909522	4658301	9718047	14103701	24098172	100	500	1000	1500	2500
DCB Decachlorobiphenyl	Ave	8574745	16830480	32133243	43172887	62430319	25.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

Data File: vr475159.d
Report Date: 18-Jun-2012 13:28

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/vr475159.d
Lab Smp Id: SG1660L1_00012
Inj Date : 17-JUN-2012 13:30
Operator : 615
Smp Info : SG1660L1_00012
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/08Vr8082.m
Meth Date : 18-Jun-2012 13:23 selbyc
Cal Date :
Als bottle: 79
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
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				
2.137	2.138	-0.001	930101	100.000	100	80.00-	120.00	100.00(M)	
2.587	2.587	0.000	1751546	100.000	110	142.73-	214.09	143.27	
2.841	2.841	0.000	1005904	100.000	100	92.87-	139.31	82.28	
3.200	3.199	0.001	3904030	100.000	110	315.62-	473.43	319.34	
3.414	3.413	0.001	1230936	100.000	98	118.01-	177.02	100.69	
3.778	3.778	0.000	1394073	100.000	100	121.28-	181.92	114.03	
4.136	4.135	0.001	1402059	100.000	100	117.67-	176.50	114.69	
4.279	4.282	-0.003	527699	100.000	100	49.27-	73.90	43.16	
Average of Peak Amounts =					103				

27 Aroclor-1260					CAS #: 11096-82-5				
6.166	6.164	0.002	2310904	100.000	110	80.00-	120.00	100.00(M)	

Data File: vr475159.d
 Report Date: 18-Jun-2012 13:28

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.616	6.615	0.001	4315159	100.000	100	152.96-	229.44	186.73	
7.063	7.062	0.001	3549347	100.000	100	137.89-	206.83	153.59	
7.269	7.268	0.001	1915595	100.000	100	73.55-	110.32	82.89	
7.717	7.716	0.001	1669171	100.000	100	66.25-	99.38	72.23	
9.036	9.036	0.000	1980464	100.000	99	80.70-	121.04	85.70	
9.263	9.264	-0.001	1183309	100.000	100	46.18-	69.27	51.21	
10.226	10.225	0.001	909522	100.000	97	38.82-	58.23	39.36	
Average of Peak Amounts =					102				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.681	10.680	0.001	8574745	25.0000	26	80.00-	120.00	100.00(M)	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475159.d

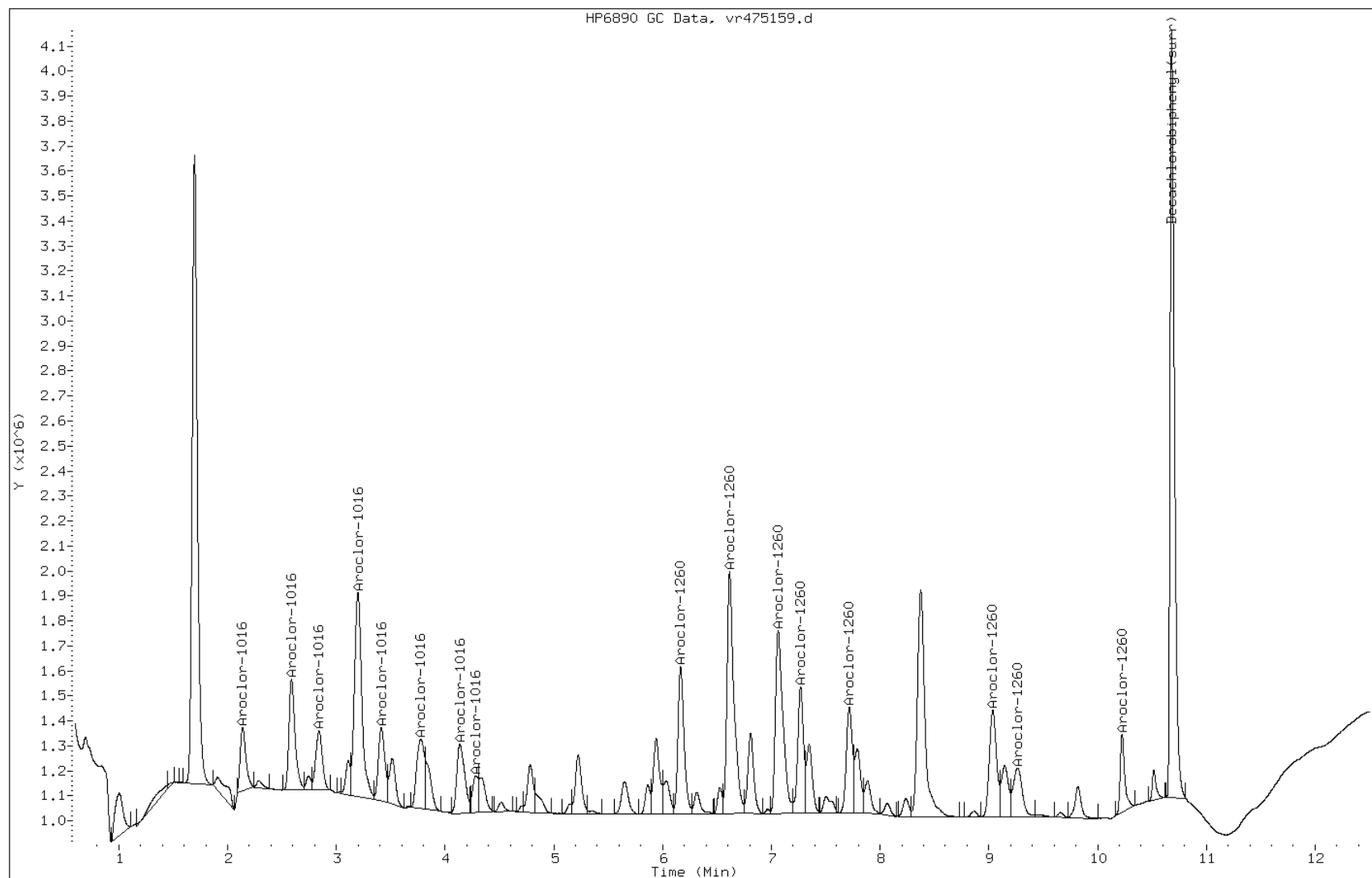
Date: 17-JUN-2012 13:30

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1660L1_00012

Operator: 615



Manual Integration Report

Data File: vr475159.d
Inj. Date and Time: 17-JUN-2012 13:30
Instrument ID: PESTGC9.i
Client ID:
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 06/18/2012

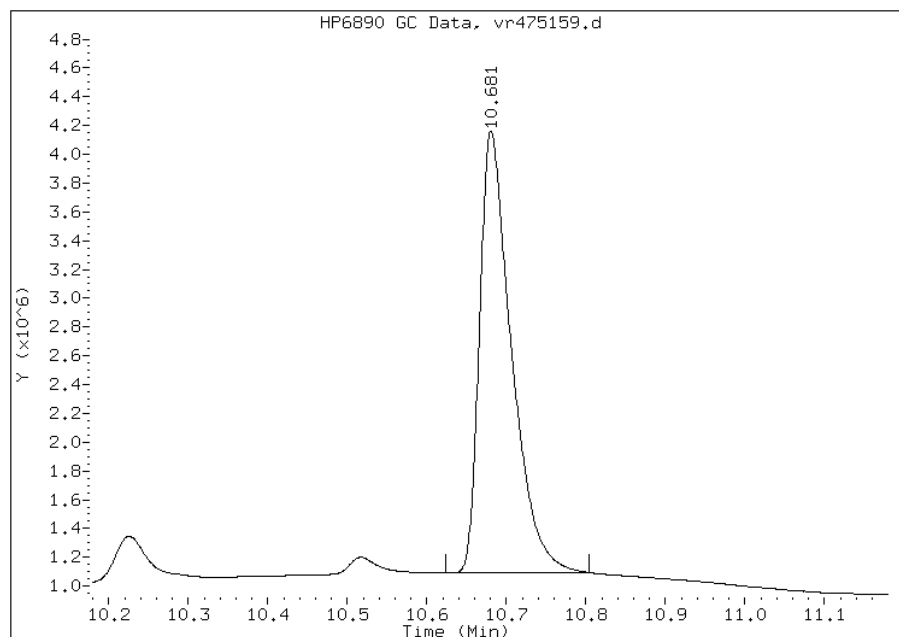
Processing Integration Results

Not Detected

Expected RT: 10.68

Manual Integration Results

RT: 10.68
Response: 8574745
Amount: 25.82
Conc: 25.82



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

Data File: vr475160.d
 Report Date: 18-Jun-2012 13:29

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/vr475160.d
 Lab Smp Id: SG1660L2_00012
 Inj Date : 17-JUN-2012 13:46
 Operator : 615
 Smp Info : SG1660L2_00012
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/08Vr8082.m
 Meth Date : 18-Jun-2012 13:23 selbyc
 Cal Date :
 Als bottle: 80
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3
 Inst ID: PESTGC9.i
 Quant Type: ESTD
 Cal File:
 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									
			CAL - AMT		ON - COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
21 Aroclor-1016					CAS #: 12674-11-2				
2.137	2.138	-0.001	4558374	500.000	510	80.00-	120.00	100.00(M)	
2.588	2.587	0.001	8022401	500.000	490	150.65-	225.98	175.99	
2.841	2.841	0.000	5205871	500.000	510	86.52-	129.78	114.20	
3.201	3.199	0.002	18014058	500.000	500	335.79-	503.69	395.19	
3.413	3.413	0.000	6677785	500.000	520	105.88-	158.81	146.49	
3.778	3.778	0.000	6518311	500.000	490	119.91-	179.86	143.00	
4.136	4.135	0.001	6515927	500.000	490	120.59-	180.89	142.94	
4.283	4.282	0.001	2827516	500.000	520	45.39-	68.08	62.03	
Average of Peak Amounts =					504				

27 Aroclor-1260					CAS #: 11096-82-5				
6.166	6.164	0.002	10452906	500.000	490	80.00-	120.00	100.00(M)	

Data File: vr475160.d
Report Date: 18-Jun-2012 13:29

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.616	6.615	0.001	19810051	500.000	490	149.38-	224.08	189.52	
7.064	7.062	0.002	17353996	500.000	500	122.87-	184.31	166.02	
7.268	7.268	0.000	9436704	500.000	500	66.32-	99.47	90.28	
7.717	7.716	0.001	8524124	500.000	510	57.78-	86.68	81.55	
9.037	9.036	0.001	9836729	500.000	490	68.56-	102.84	94.11	
9.265	9.264	0.001	5701291	500.000	490	40.96-	61.45	54.54	
10.226	10.225	0.001	4658301	500.000	500	31.49-	47.23	44.56	
Average of Peak Amounts =					496				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.681	10.680	0.001	16830480	50.0000	50	80.00-	120.00	100.00(M)	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475160.d

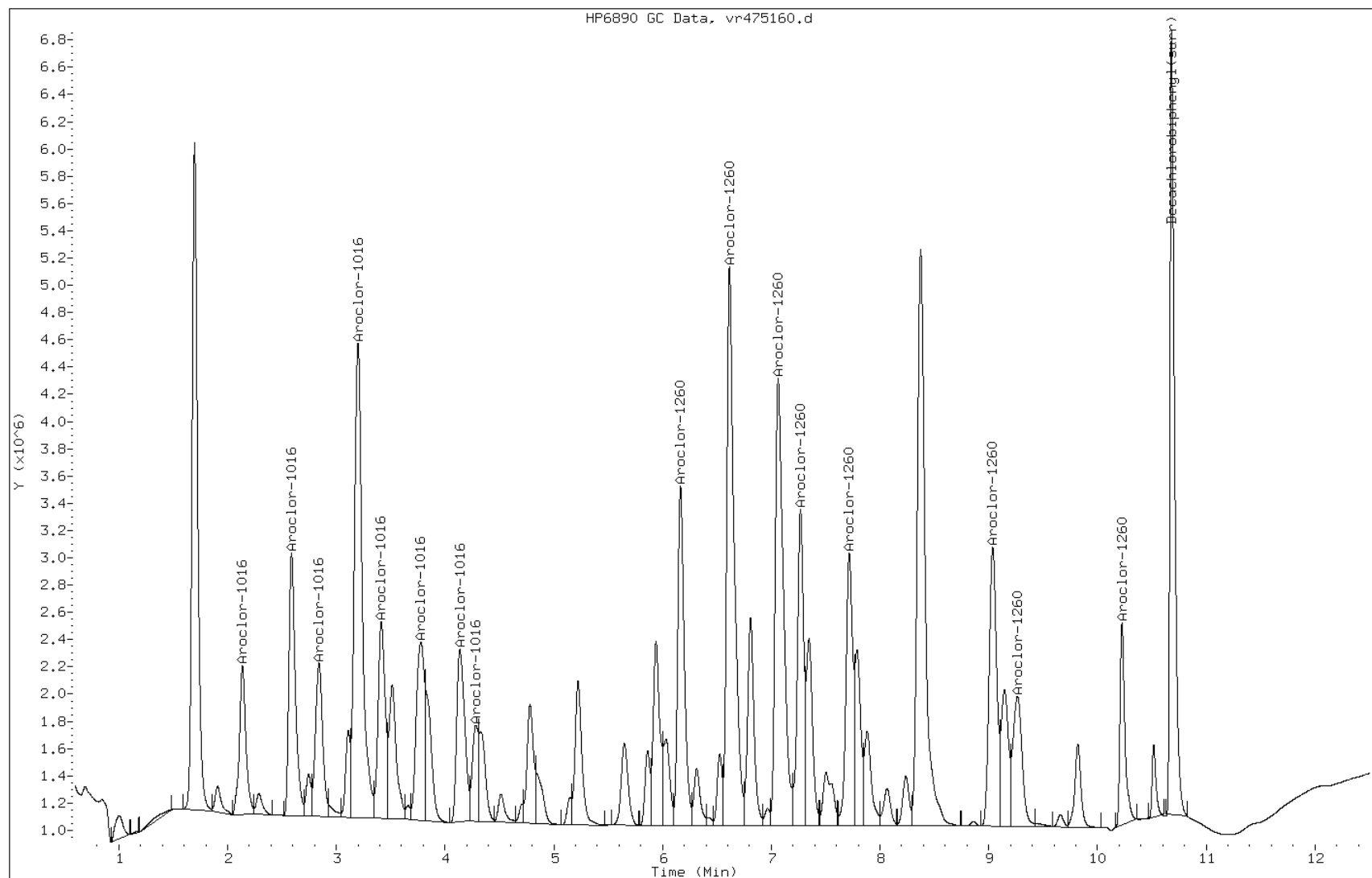
Date: 17-JUN-2012 13:46

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1660L2_00012

Operator: 615



Manual Integration Report

Data File: vr475160.d
Inj. Date and Time: 17-JUN-2012 13:46
Instrument ID: PESTGC9.i
Client ID:
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 06/18/2012

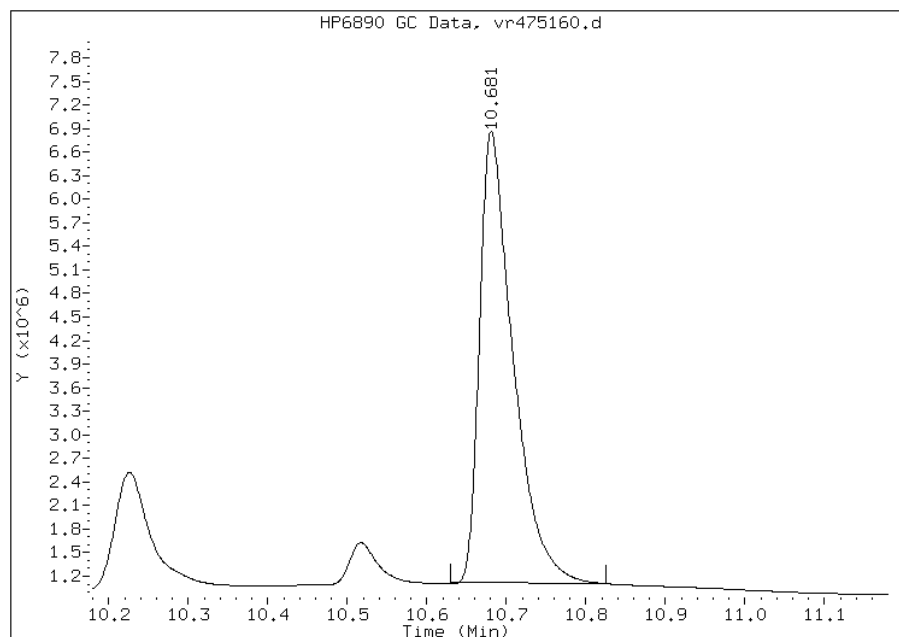
Processing Integration Results

Not Detected

Expected RT: 10.68

Manual Integration Results

RT: 10.68
Response: 16830480
Amount: 50.44
Conc: 50.44



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

Data File: vr475161.d
Report Date: 18-Jun-2012 13:25

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/vr475161.d
Lab Smp Id: SG1660L3_00017
Inj Date : 17-JUN-2012 14:02
Operator : 615
Smp Info : SG1660L3_00017
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/08Vr8082.m
Meth Date : 18-Jun-2012 13:23 selbyc
Cal Date :
Als bottle: 81
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
Calibration Sample, Level: 3
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				
2.138	2.142	-0.004	8596534	1000.00	1000	0.00-	0.00	100.00(M)	
2.587	2.593	-0.006	15336927	1000.00	1000	0.00-	0.00	178.41	
2.841	2.847	-0.006	9979871	1000.00	1000	0.00-	0.00	116.09	
3.199	3.205	-0.006	33915629	1000.00	1000	0.00-	0.00	394.53	
3.413	3.420	-0.007	12681472	1000.00	1000	0.00-	0.00	147.52	
3.778	3.785	-0.007	13032680	1000.00	1000	0.00-	0.00	151.60	
4.135	4.142	-0.007	12643937	1000.00	1000	0.00-	0.00	147.08	
4.282	4.287	-0.005	5294165	1000.00	1000	0.00-	0.00	61.58	
Average of Peak Amounts =					1e+03				

27 Aroclor-1260					CAS #: 11096-82-5				
6.164	6.171	-0.007	20027203	1000.00	1000	0.00-	0.00	100.00(M)	

Data File: vr475161.d
 Report Date: 18-Jun-2012 13:25

AMOUNTS									
			CAL -AMT		ON -COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.615	6.622	-0.007	38291667	1000.00	1000	0.00-	0.00	191.20	
7.062	7.070	-0.008	34518444	1000.00	1000	0.00-	0.00	172.36	
7.268	7.275	-0.007	18411274	1000.00	1000	0.00-	0.00	91.93	
7.716	7.724	-0.008	16586004	1000.00	1000	0.00-	0.00	82.82	
9.036	9.047	-0.011	20201514	1000.00	1000	0.00-	0.00	100.87	
9.264	9.273	-0.009	11560456	1000.00	1000	0.00-	0.00	57.72	
10.225	10.231	-0.006	9718047	1000.00	1000	0.00-	0.00	48.52	
Average of Peak Amounts =					1e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.680	10.684	-0.004	32133243	100.000	100	0.00-	0.00	100.00(M)	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475161.d

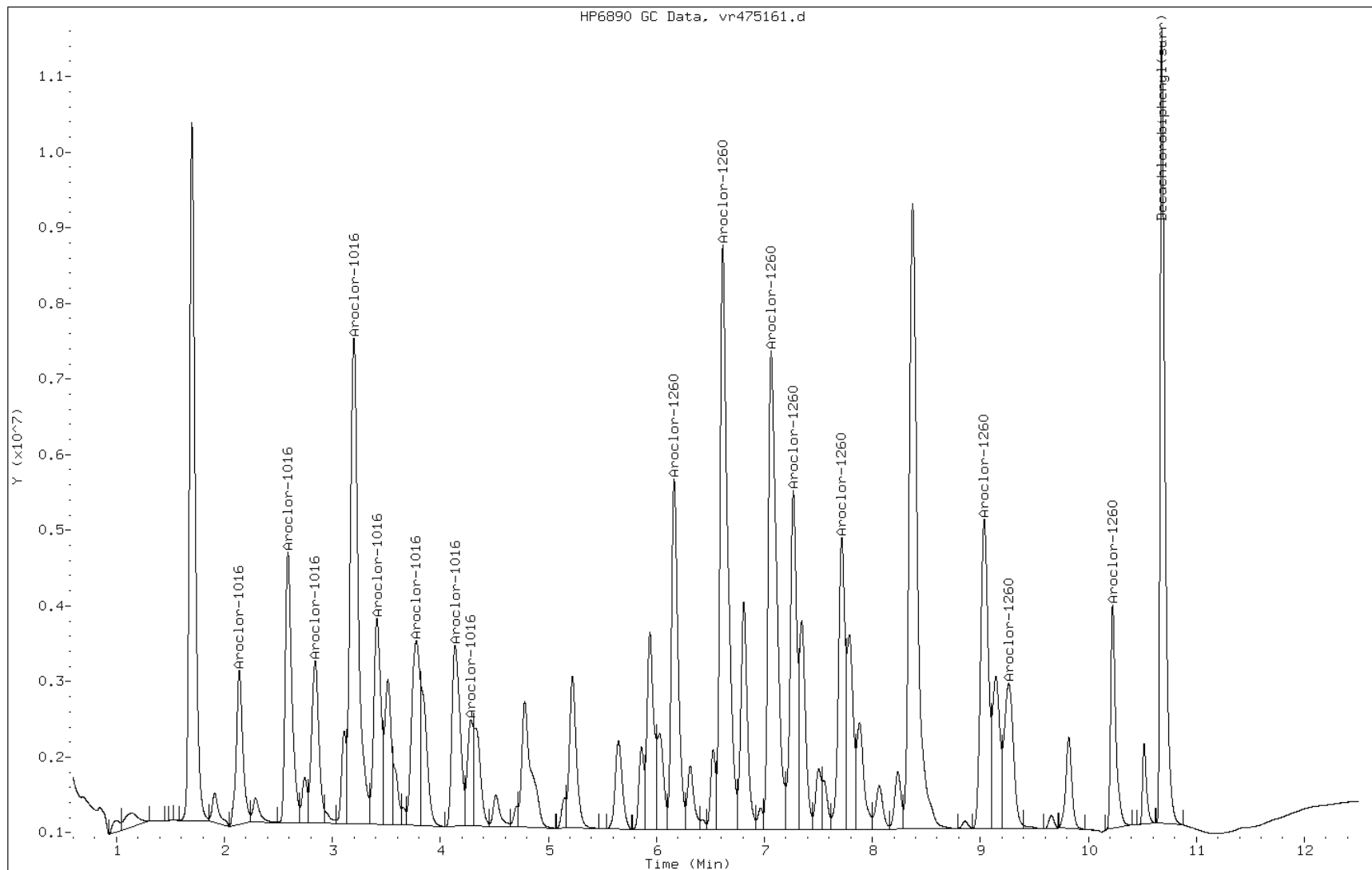
Date: 17-JUN-2012 14:02

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1660L3_00017

Operator: 615



Manual Integration Report

Data File: vr475161.d
Inj. Date and Time: 17-JUN-2012 14:02
Instrument ID: PESTGC9.i
Client ID:
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 06/18/2012

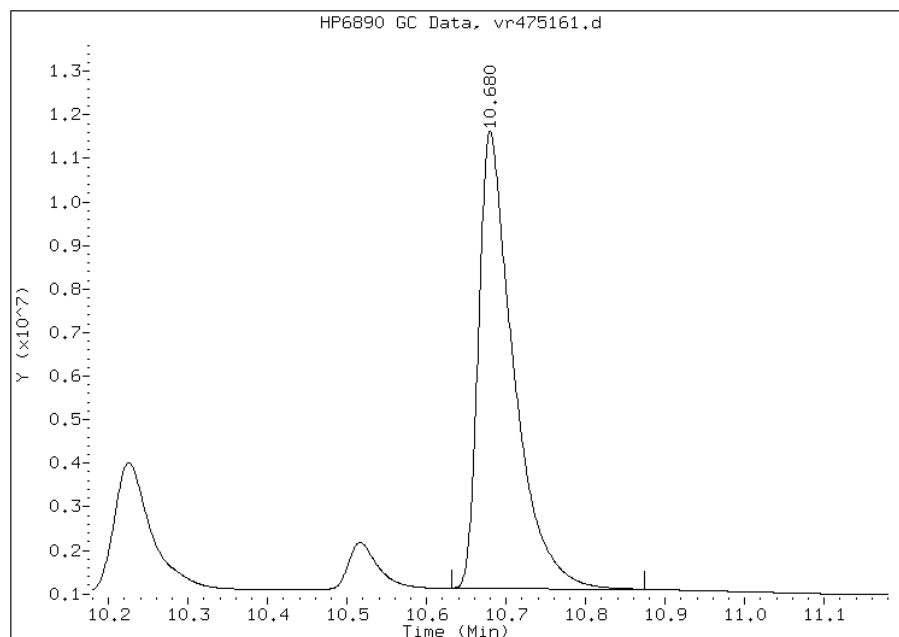
Processing Integration Results

Not Detected

Expected RT: 10.68

Manual Integration Results

RT: 10.68
Response: 32133243
Amount: 100.00
Conc: 100.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

Data File: vr475162.d
Report Date: 18-Jun-2012 13:31

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/vr475162.d
Lab Smp Id: SG1660L4_00012
Inj Date : 17-JUN-2012 14:18
Operator : 615
Smp Info : SG1660L4_00012
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/08Vr8082.m
Meth Date : 18-Jun-2012 13:23 selbyc
Cal Date :
Als bottle: 82
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
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						
2.134	2.138	-0.004	11996803 1500.00	1400	80.00- 120.00	100.00(M)			
2.586	2.587	-0.001	20951045 1500.00	1300	140.79- 211.19	174.64			
2.838	2.841	-0.003	14233816 1500.00	1400	91.36- 137.05	118.65			
3.197	3.199	-0.002	46434625 1500.00	1300	316.15- 474.22	387.06			
3.410	3.413	-0.003	17499790 1500.00	1400	117.20- 175.79	145.87			
3.777	3.778	-0.001	18136516 1500.00	1400	114.40- 171.60	151.18			
4.133	4.135	-0.002	17797652 1500.00	1400	114.36- 171.53	148.35			
4.278	4.282	-0.004	7359661 1500.00	1400	49.62- 74.43	61.35			
Average of Peak Amounts =			1.38e+03						

27 Aroclor-1260			CAS #: 11096-82-5						
6.163	6.164	-0.001	27728748 1500.00	1300	80.00- 120.00	100.00(M)			

Data File: vr475162.d
 Report Date: 18-Jun-2012 13:31

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.614	6.615	-0.001	53359330	1500.00	1400	151.61-	227.42	192.43	
7.062	7.062	0.000	48668637	1500.00	1400	132.82-	199.22	175.52	
7.267	7.268	-0.001	26022014	1500.00	1400	72.22-	108.33	93.84	
7.716	7.716	0.000	23410413	1500.00	1400	65.24-	97.86	84.43	
9.036	9.036	0.000	29135438	1500.00	1500	75.28-	112.93	105.07	
9.264	9.264	0.000	16892568	1500.00	1500	43.63-	65.45	60.92	
10.225	10.225	0.000	14103701	1500.00	1500	35.65-	53.48	50.86	
Average of Peak Amounts =					1.43e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.679	10.680	-0.001	43172887	150.000	130	80.00-	120.00	100.00(M)	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475162.d

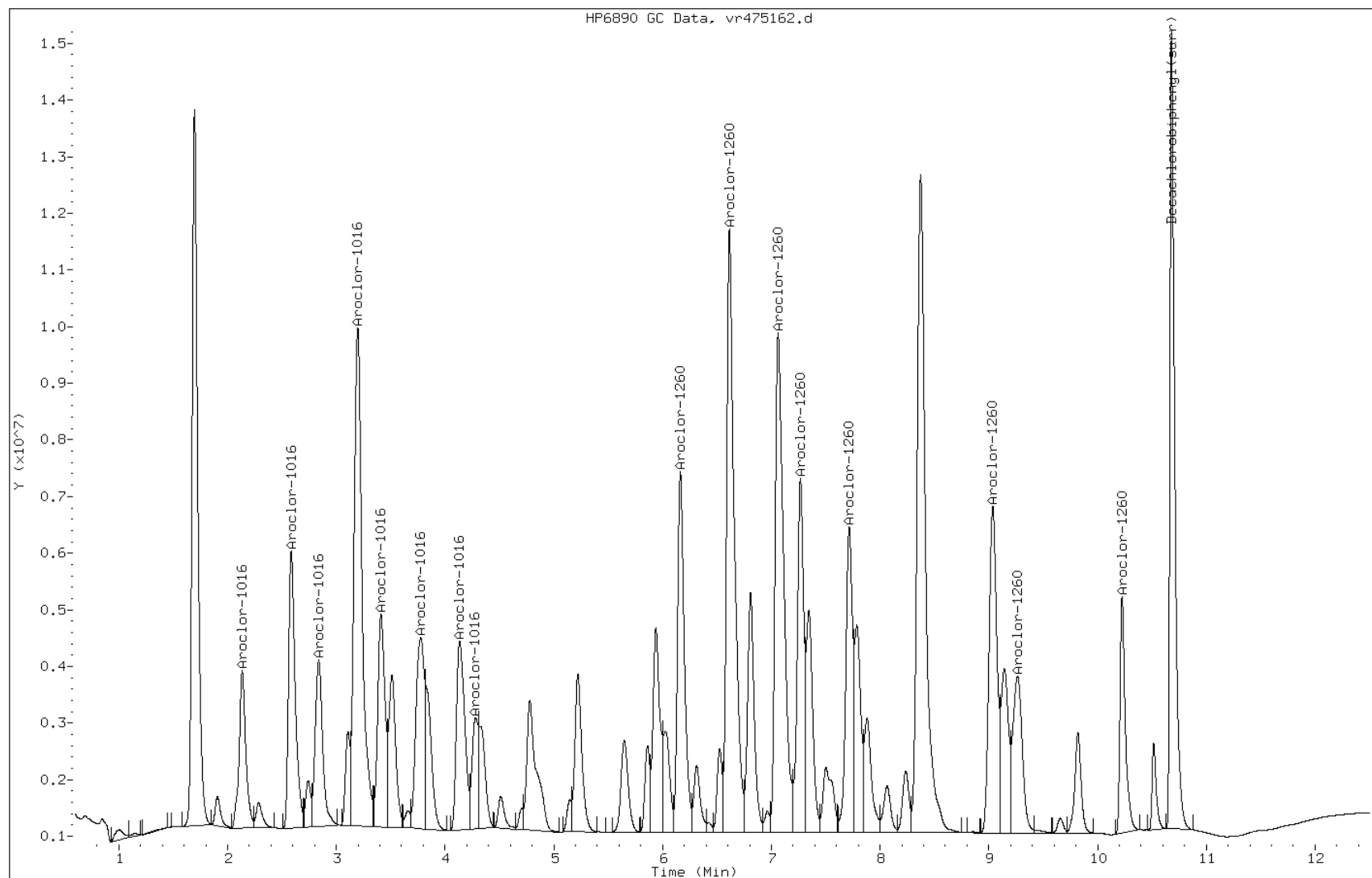
Date: 17-JUN-2012 14:18

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1660L4_00012

Operator: 615



Manual Integration Report

Data File: vr475162.d
Inj. Date and Time: 17-JUN-2012 14:18
Instrument ID: PESTGC9.i
Client ID:
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 06/18/2012

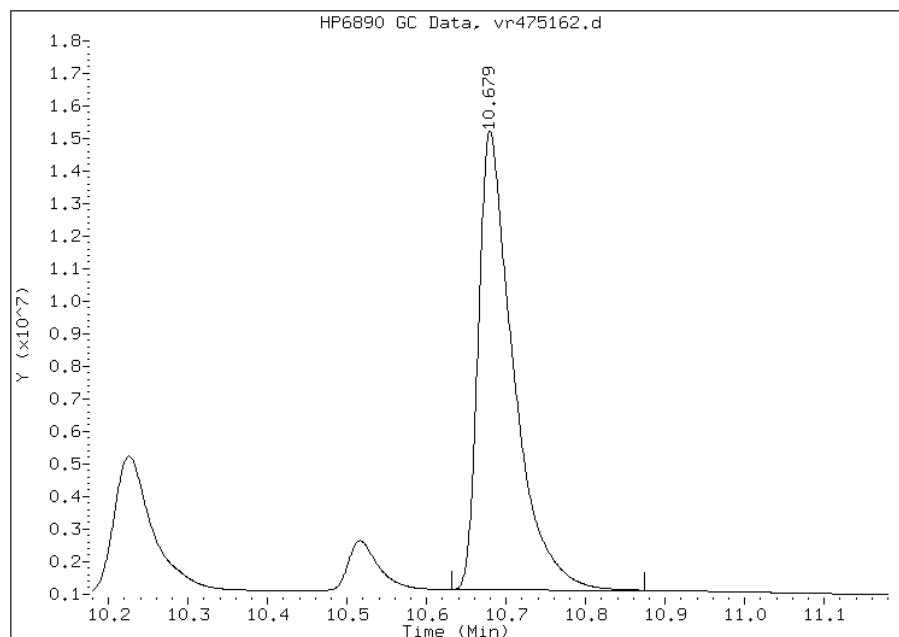
Processing Integration Results

Not Detected

Expected RT: 10.68

Manual Integration Results

RT: 10.68
Response: 43172887
Amount: 134.00
Conc: 134.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

Data File: vr475163.d
Report Date: 18-Jun-2012 13:33

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/vr475163.d
Lab Smp Id: SG1660L5_00012
Inj Date : 17-JUN-2012 14:34
Operator : 615
Smp Info : SG1660L5_00012
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/08Vr8082.m
Meth Date : 18-Jun-2012 13:23 selbyc
Cal Date :
Als bottle: 83
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
Calibration Sample, Level: 5
Compound Sublist: AR16600S.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL - AMT RESPONSE (ug/L)	ON - COL (ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
21 Aroclor-1016			CAS #: 12674-11-2			
2.139	2.138	0.001	18998775 2500.00	2200 80.00- 120.00	100.00(M)	
2.590	2.587	0.003	33309140 2500.00	2200 139.71- 209.57	175.32	
2.843	2.841	0.002	24079281 2500.00	2400 94.92- 142.38	126.74	
3.202	3.199	0.003	74659903 2500.00	2200 309.65- 464.47	392.97	
3.415	3.413	0.002	28534410 2500.00	2300 116.70- 175.04	150.19	
3.780	3.778	0.002	28688882 2500.00	2200 120.94- 181.41	151.00	
4.137	4.135	0.002	28834602 2500.00	2300 118.68- 178.02	151.77	
4.284	4.282	0.002	12442096 2500.00	2400 49.08- 73.62	65.49	
Average of Peak Amounts =			2.29e+03			

27 Aroclor-1260			CAS #: 11096-82-5			
6.165	6.164	0.001	44249873 2500.00	2200 80.00- 120.00	100.00(M)	

Data File: vr475163.d
 Report Date: 18-Jun-2012 13:33

AMOUNTS									
RT	EXP RT	DLT RT	CAL - AMT		ON - COL	TARGET	RANGE	RATIO	
			RESPONSE	(ug/L)	(ug/L)				
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.615	6.615	0.000	85334565	2500.00	2200	153.95-	230.92	192.85	
7.064	7.062	0.002	79337286	2500.00	2300	140.41-	210.62	179.29	
7.269	7.268	0.001	41788262	2500.00	2300	75.08-	112.61	94.44	
7.717	7.716	0.001	37784947	2500.00	2300	67.54-	101.31	85.39	
9.037	9.036	0.001	48669939	2500.00	2500	84.06-	126.09	109.99	
9.264	9.264	0.000	28941048	2500.00	2500	48.74-	73.10	65.40	
10.225	10.225	0.000	24098172	2500.00	2600	40.69-	61.04	54.46	
Average of Peak Amounts =					2.37e+03				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.680	10.680	0.000	62430319	200.000	190	80.00-	120.00	100.00(M)	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475163.d

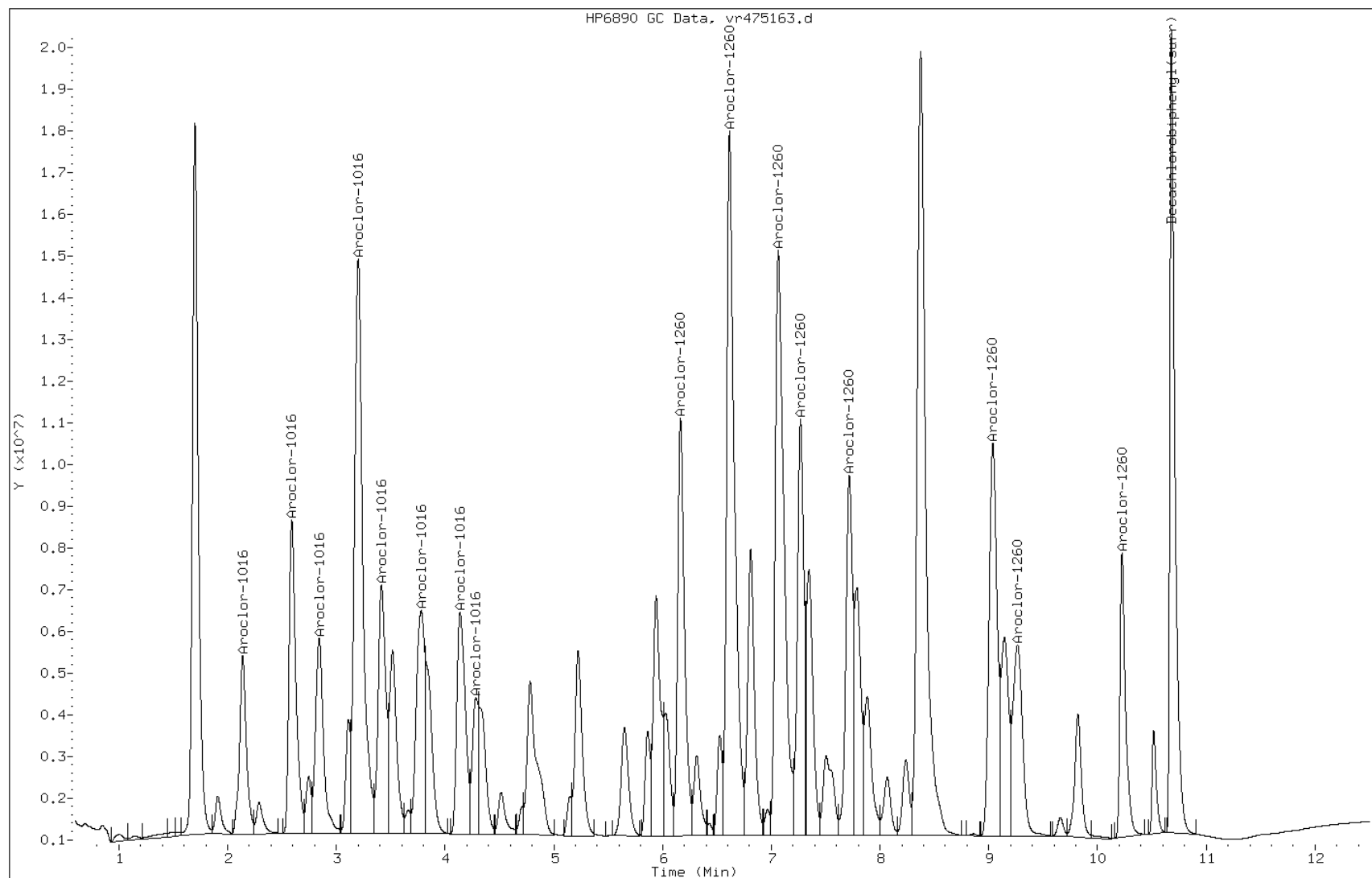
Date: 17-JUN-2012 14:34

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1660L5_00012

Operator: 615



Manual Integration Report

Data File: vr475163.d
Inj. Date and Time: 17-JUN-2012 14:34
Instrument ID: PESTGC9.i
Client ID:
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 06/18/2012

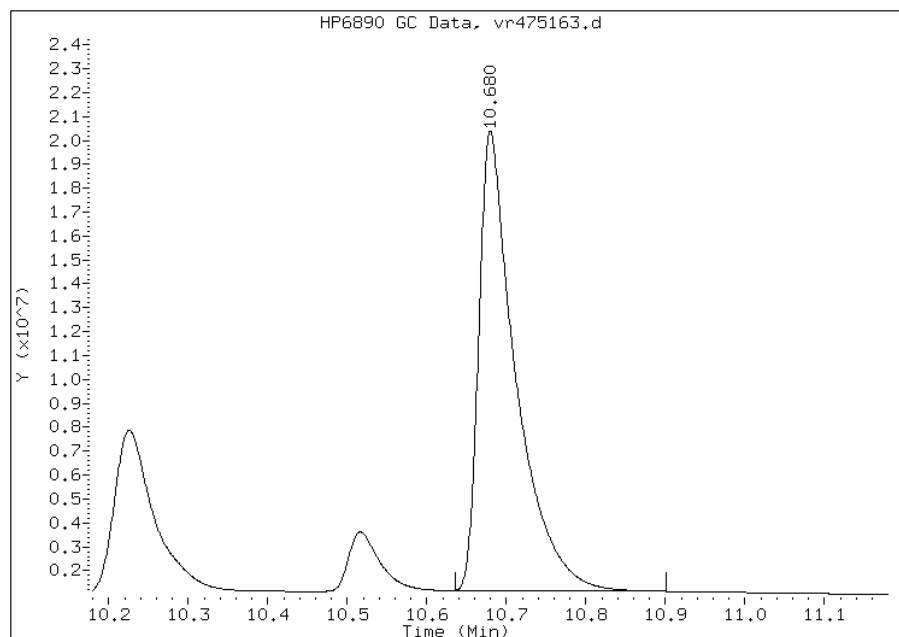
Processing Integration Results

Not Detected

Expected RT: 10.68

Manual Integration Results

RT: 10.68
Response: 62430319
Amount: 194.98
Conc: 194.98



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 14:50 Calibration End Date: 06/17/2012 14:50 Calibration ID: 16066

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/9	vf475164.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.558										1.488 - 1.628	1.558
PCB-1221 Peak 2	2.023										1.953 - 2.093	2.023
PCB-1221 Peak 3	2.554										2.484 - 2.624	2.554
PCB-1221 Peak 4	2.754										2.684 - 2.824	2.754
PCB-1221 Peak 5	2.843										2.773 - 2.913	2.843
PCB-1221 Peak 6	3.587										3.517 - 3.657	3.587
PCB-1221 Peak 7	3.931										3.861 - 4.001	3.931
PCB-1221 Peak 8	4.332										4.262 - 4.402	4.332

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 14:50 Calibration End Date: 06/17/2012 14:50 Calibration ID: 16066

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/9	vf475164.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	3687.6				Ave		3687.59500						20.0			
PCB-1221 Peak 2	993.93				Ave		993.925000						20.0			
PCB-1221 Peak 3	4790.5				Ave		4790.52500						20.0			
PCB-1221 Peak 4	3024.0				Ave		3023.95100						20.0			
PCB-1221 Peak 5	12301				Ave		12301.2700						20.0			
PCB-1221 Peak 6	2547.5				Ave		2547.52800						20.0			
PCB-1221 Peak 7	557.80				Ave		557.804000						20.0			
PCB-1221 Peak 8	2111.8				Ave		2111.78100						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 14:50 Calibration End Date: 06/17/2012 14:50 Calibration ID: 16066

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/9	vf475164.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	3687595					1000				
PCB-1221 Peak 2	Ave	993925					1000				
PCB-1221 Peak 3	Ave	4790525					1000				
PCB-1221 Peak 4	Ave	3023951					1000				
PCB-1221 Peak 5	Ave	12301270					1000				
PCB-1221 Peak 6	Ave	2547528					1000				
PCB-1221 Peak 7	Ave	557804					1000				
PCB-1221 Peak 8	Ave	2111781					1000				

Curve Type Legend:

Ave = Average

Data File: vf475164.d
Report Date: 18-Jun-2012 11:58

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/vf475164.d
Lab Smp Id: SG1221L3_00014
Inj Date : 17-JUN-2012 14:50
Operator : 615
Smp Info : SG1221L3_00014
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/08Vf8082.m
Meth Date : 18-Jun-2012 11:57 selbyc
Cal Date :
Als bottle: 84
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
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								
RT	EXP RT	DLT RT	CAL - AMT		ON - COL	TARGET RANGE		RATIO
			RESPONSE	(ug/L)				
==	=====	=====	=====	=====	=====	=====	=====	=====
22 Aroclor-1221			CAS #: 11104-28-2					
1.558	1.561	-0.003	3687595	1000.00	1000	0.00-	0.00	100.00(M)
2.023	2.026	-0.003	993925	1000.00	1000	0.00-	0.00	26.95
2.554	2.557	-0.003	4790525	1000.00	1000	0.00-	0.00	129.91
2.754	2.757	-0.003	3023951	1000.00	1000	0.00-	0.00	82.00
2.843	2.844	-0.001	12301270	1000.00	1000	0.00-	0.00	333.59
3.587	3.590	-0.003	2547528	1000.00	1000	0.00-	0.00	69.08
3.931	3.934	-0.003	557804	1000.00	1000	0.00-	0.00	15.13
4.332	4.335	-0.003	2111781	1000.00	1000	0.00-	0.00	57.27
Average of Peak Amounts =			1e+03					

Data File: vf475164.d
Report Date: 18-Jun-2012 11:58

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475164.d

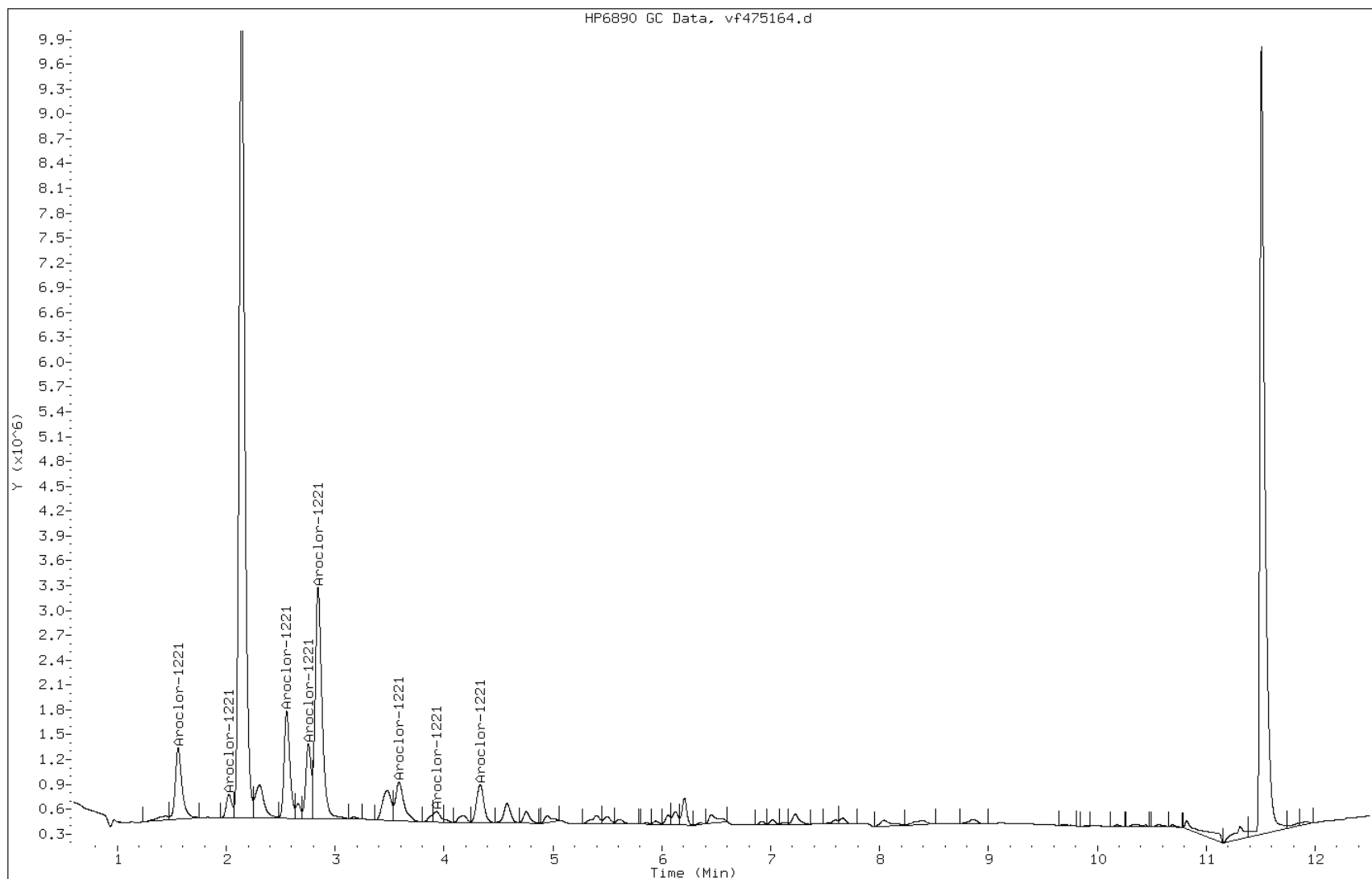
Date: 17-JUN-2012 14:50

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1221L3_00014

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 14:50 Calibration End Date: 06/17/2012 14:50 Calibration ID: 16067

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/9	vr475164.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.143										1.073 - 1.213	1.143
PCB-1221 Peak 2	1.556										1.486 - 1.626	1.556
PCB-1221 Peak 3	1.908										1.838 - 1.978	1.908
PCB-1221 Peak 4	2.136										2.066 - 2.206	2.136
PCB-1221 Peak 5	2.664										2.594 - 2.734	2.664
PCB-1221 Peak 6	2.748										2.678 - 2.818	2.748
PCB-1221 Peak 7	2.804										2.734 - 2.874	2.804
PCB-1221 Peak 8	3.199										3.129 - 3.269	3.199

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 14:50 Calibration End Date: 06/17/2012 14:50 Calibration ID: 16067

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/9	vr475164.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	3290.4				Ave		3290.37900						20.0			
PCB-1221 Peak 2	945.28				Ave		945.279000						20.0			
PCB-1221 Peak 3	4422.1				Ave		4422.09300						20.0			
PCB-1221 Peak 4	12367				Ave		12367.4880						20.0			
PCB-1221 Peak 5	1069.3				Ave		1069.27500						20.0			
PCB-1221 Peak 6	2204.1				Ave		2204.12000						20.0			
PCB-1221 Peak 7	848.10				Ave		848.096000						20.0			
PCB-1221 Peak 8	2147.8				Ave		2147.83800						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 14:50 Calibration End Date: 06/17/2012 14:50 Calibration ID: 16067

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/9	vr475164.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	3290379					1000				
PCB-1221 Peak 2	Ave	945279					1000				
PCB-1221 Peak 3	Ave	4422093					1000				
PCB-1221 Peak 4	Ave	12367488					1000				
PCB-1221 Peak 5	Ave	1069275					1000				
PCB-1221 Peak 6	Ave	2204120					1000				
PCB-1221 Peak 7	Ave	848096					1000				
PCB-1221 Peak 8	Ave	2147838					1000				

Curve Type Legend:

Ave = Average

Data File: vr475164.d
Report Date: 18-Jun-2012 13:36

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/vr475164.d
Lab Smp Id: SG1221L3_00014
Inj Date : 17-JUN-2012 14:50
Operator : 615
Smp Info : SG1221L3_00014
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/08Vr8082.m
Meth Date : 18-Jun-2012 13:34 selbyc
Cal Date :
Als bottle: 84
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
Calibration Sample, Level: 3
Compound Sublist: AR12210.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

			AMOUNTS					
			CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	
22 Aroclor-1221			CAS #: 11104-28-2					
1.143	1.147	-0.004	3290379	1000.00	1000	0.00- 0.00	100.00(M)	
1.556	1.556	0.000	945279	1000.00	1000	0.00- 0.00	28.73	
1.908	1.911	-0.003	4422093	1000.00	1000	0.00- 0.00	134.39	
2.136	2.138	-0.002	12367488	1000.00	1000	0.00- 0.00	375.87	
2.664	2.665	-0.001	1069275	1000.00	1000	0.00- 0.00	32.50	
2.748	2.748	0.000	2204120	1000.00	1000	0.00- 0.00	66.99	
2.804	2.835	-0.031	848096	1000.00	1000	0.00- 0.00	25.78	
3.199	3.200	-0.001	2147838	1000.00	1000	0.00- 0.00	65.28	
Average of Peak Amounts =			1e+03					

Data File: vr475164.d
Report Date: 18-Jun-2012 13:36

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475164.d

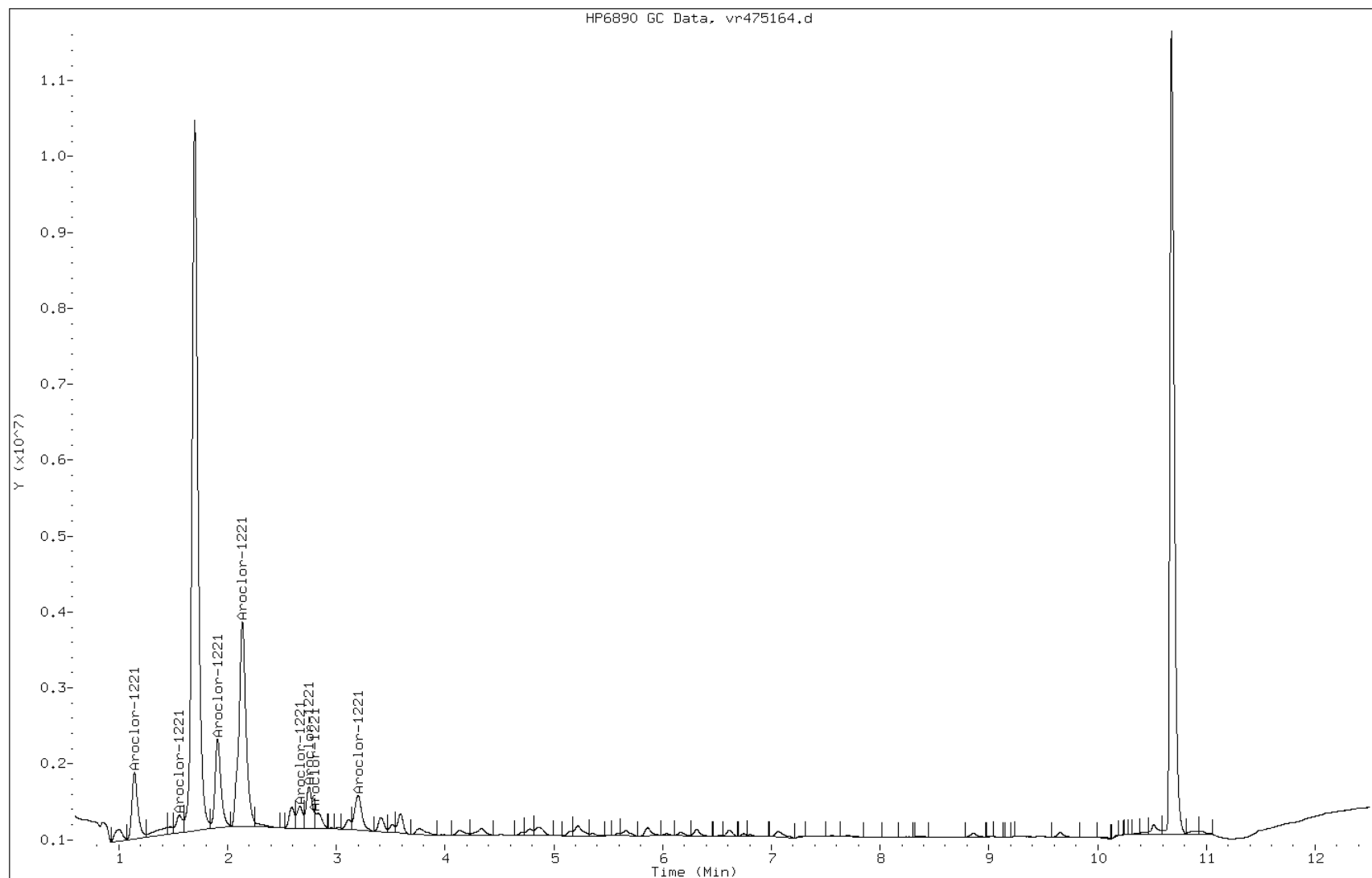
Date: 17-JUN-2012 14:50

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1221L3_00014

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:06 Calibration End Date: 06/17/2012 15:06 Calibration ID: 16068

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/10	vf475165.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.838										2.768 - 2.908	2.838
PCB-1232 Peak 2	3.484										3.414 - 3.554	3.484
PCB-1232 Peak 3	3.928										3.858 - 3.998	3.928
PCB-1232 Peak 4	4.576										4.506 - 4.646	4.576
PCB-1232 Peak 5	4.755										4.685 - 4.825	4.755
PCB-1232 Peak 6	4.948										4.878 - 5.018	4.948
PCB-1232 Peak 7	5.404										5.334 - 5.474	5.404
PCB-1232 Peak 8	5.615										5.545 - 5.685	5.615

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:06 Calibration End Date: 06/17/2012 15:06 Calibration ID: 16068

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/10	vf475165.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	8079.3				Ave		8079.30100						20.0			
PCB-1232 Peak 2	7392.7				Ave		7392.65800						20.0			
PCB-1232 Peak 3	3120.0				Ave		3120.03200						20.0			
PCB-1232 Peak 4	6021.7				Ave		6021.74900						20.0			
PCB-1232 Peak 5	4257.2				Ave		4257.21900						20.0			
PCB-1232 Peak 6	3447.9				Ave		3447.88600						20.0			
PCB-1232 Peak 7	5114.5				Ave		5114.52500						20.0			
PCB-1232 Peak 8	5323.1				Ave		5323.10900						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:06 Calibration End Date: 06/17/2012 15:06 Calibration ID: 16068

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/10	vf475165.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	8079301					1000				
PCB-1232 Peak 2	Ave	7392658					1000				
PCB-1232 Peak 3	Ave	3120032					1000				
PCB-1232 Peak 4	Ave	6021749					1000				
PCB-1232 Peak 5	Ave	4257219					1000				
PCB-1232 Peak 6	Ave	3447886					1000				
PCB-1232 Peak 7	Ave	5114525					1000				
PCB-1232 Peak 8	Ave	5323109					1000				

Curve Type Legend:

Ave = Average

Data File: vf475165.d
 Report Date: 18-Jun-2012 11:59

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/vf475165.d
 Lab Smp Id: SG1232L3_00013
 Inj Date : 17-JUN-2012 15:06
 Operator : 615
 Smp Info : SG1232L3_00013
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/08Vf8082.m
 Meth Date : 18-Jun-2012 11:57 selbyc
 Cal Date :
 Als bottle: 85
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3
 Inst ID: PESTGC9.i
 Quant Type: ESTD
 Cal File:
 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)				
==	=====	=====	=====	=====	=====	=====	=====	=====
23 Aroclor-1232			CAS #: 11141-16-5					
2.837	2.845	-0.008	8079301	1000.00	1000	0.00-	0.00	100.00(M)
3.484	3.494	-0.010	7392658	1000.00	1000	0.00-	0.00	91.50
3.928	3.936	-0.008	3120032	1000.00	1000	0.00-	0.00	38.62
4.576	4.584	-0.008	6021749	1000.00	1000	0.00-	0.00	74.53
4.755	4.764	-0.009	4257219	1000.00	1000	0.00-	0.00	52.69
4.948	4.956	-0.008	3447886	1000.00	1000	0.00-	0.00	42.68
5.404	5.413	-0.009	5114525	1000.00	1000	0.00-	0.00	63.30
5.615	5.623	-0.008	5323109	1000.00	1000	0.00-	0.00	65.89
Average of Peak Amounts =			1e+03					

Data File: vf475165.d
Report Date: 18-Jun-2012 11:59

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475165.d

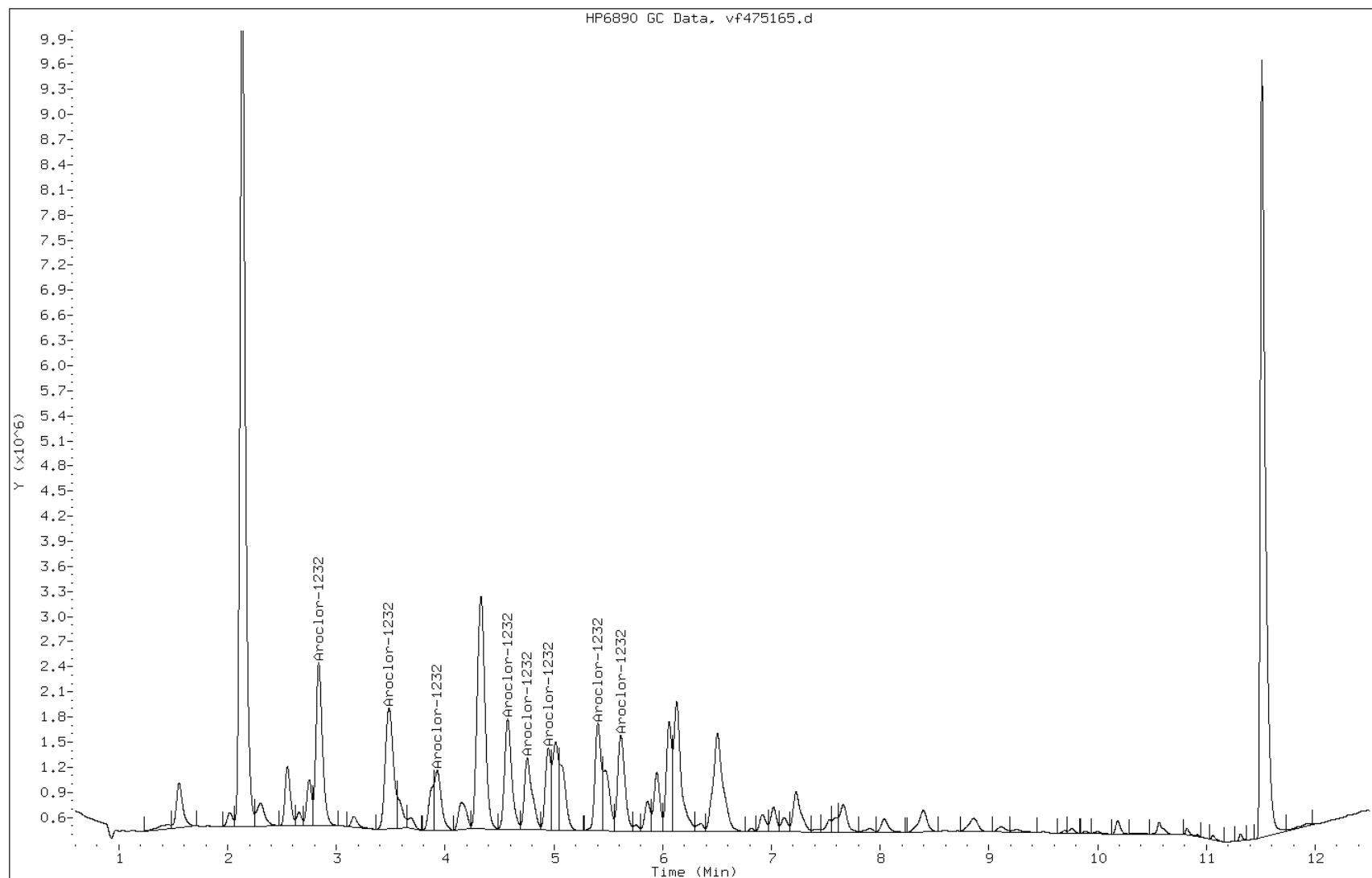
Date: 17-JUN-2012 15:06

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1232L3_00013

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:06 Calibration End Date: 06/17/2012 15:06 Calibration ID: 16069

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/10	vr475165.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.132										2.062 - 2.202	2.132
PCB-1232 Peak 2	2.583										2.513 - 2.653	2.583
PCB-1232 Peak 3	2.836										2.766 - 2.906	2.836
PCB-1232 Peak 4	3.194										3.124 - 3.264	3.194
PCB-1232 Peak 5	3.408										3.338 - 3.478	3.408
PCB-1232 Peak 6	3.508										3.438 - 3.578	3.508
PCB-1232 Peak 7	4.131										4.061 - 4.201	4.131
PCB-1232 Peak 8	4.703										4.633 - 4.773	4.703

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:06 Calibration End Date: 06/17/2012 15:06 Calibration ID: 16069

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/10	vr475165.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	8591.6				Ave		8591.55200						20.0			
PCB-1232 Peak 2	6761.5				Ave		6761.46000						20.0			
PCB-1232 Peak 3	4367.4				Ave		4367.40500						20.0			
PCB-1232 Peak 4	14199				Ave		14199.2550						20.0			
PCB-1232 Peak 5	4974.6				Ave		4974.57700						20.0			
PCB-1232 Peak 6	2927.3				Ave		2927.25000						20.0			
PCB-1232 Peak 7	5805.7				Ave		5805.70300						20.0			
PCB-1232 Peak 8	2174.6				Ave		2174.57000						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:06 Calibration End Date: 06/17/2012 15:06 Calibration ID: 16069

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/10	vr475165.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	8591552					1000				
PCB-1232 Peak 2	Ave	6761460					1000				
PCB-1232 Peak 3	Ave	4367405					1000				
PCB-1232 Peak 4	Ave	14199255					1000				
PCB-1232 Peak 5	Ave	4974577					1000				
PCB-1232 Peak 6	Ave	2927250					1000				
PCB-1232 Peak 7	Ave	5805703					1000				
PCB-1232 Peak 8	Ave	2174570					1000				

Curve Type Legend:

Ave = Average

Data File: vr475165.d
Report Date: 18-Jun-2012 13:39

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/vr475165.d
Lab Smp Id: SG1232L3_00013
Inj Date : 17-JUN-2012 15:06
Operator : 615
Smp Info : SG1232L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/08Vr8082.m
Meth Date : 18-Jun-2012 13:34 selbyc
Cal Date :
Als bottle: 85
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
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)				
==	=====	=====	=====	=====	=====	=====	=====	=====
23 Aroclor-1232			CAS #: 11141-16-5					
2.132	2.141	-0.009	8591552	1000.00	1000	0.00-	0.00	100.00(M)
2.582	2.591	-0.009	6761460	1000.00	1000	0.00-	0.00	78.70
2.836	2.844	-0.008	4367405	1000.00	1000	0.00-	0.00	50.83
3.194	3.202	-0.008	14199255	1000.00	1000	0.00-	0.00	165.27
3.408	3.415	-0.007	4974577	1000.00	1000	0.00-	0.00	57.90
3.508	3.519	-0.011	2927250	1000.00	1000	0.00-	0.00	34.07
4.131	4.140	-0.009	5805703	1000.00	1000	0.00-	0.00	67.57
4.702	4.710	-0.008	2174570	1000.00	1000	0.00-	0.00	25.31
Average of Peak Amounts =			1e+03					

Data File: vr475165.d
Report Date: 18-Jun-2012 13:39

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475165.d

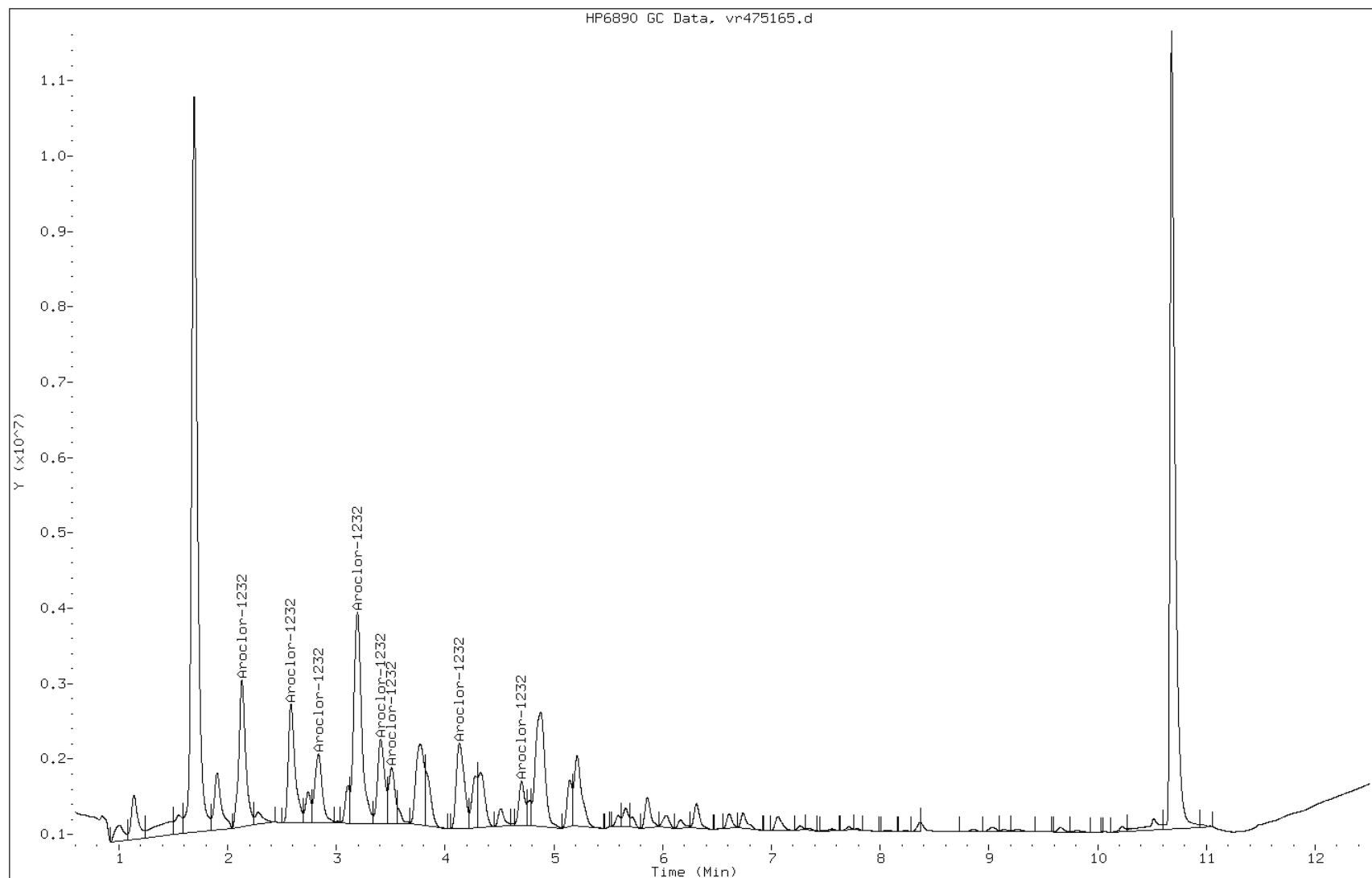
Date: 17-JUN-2012 15:06

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1232L3_00013

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:22 Calibration End Date: 06/17/2012 15:22 Calibration ID: 16070

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/11	vf475166.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.837										2.767 - 2.907	2.837
PCB-1242 Peak 2	3.484										3.414 - 3.554	3.484
PCB-1242 Peak 3	3.926										3.856 - 3.996	3.926
PCB-1242 Peak 4	4.328										4.258 - 4.398	4.328
PCB-1242 Peak 5	4.574										4.504 - 4.644	4.574
PCB-1242 Peak 6	4.947										4.877 - 5.017	4.947
PCB-1242 Peak 7	5.613										5.543 - 5.683	5.613
PCB-1242 Peak 8	6.127										6.057 - 6.197	6.127

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:22 Calibration End Date: 06/17/2012 15:22 Calibration ID: 16070

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/11	vf475166.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	7344.9				Ave		7344.93500						20.0			
PCB-1242 Peak 2	14632				Ave		14631.5350						20.0			
PCB-1242 Peak 3	6155.5				Ave		6155.54100						20.0			
PCB-1242 Peak 4	26946				Ave		26946.1500						20.0			
PCB-1242 Peak 5	11728				Ave		11728.3620						20.0			
PCB-1242 Peak 6	5643.8				Ave		5643.82000						20.0			
PCB-1242 Peak 7	10248				Ave		10247.9650						20.0			
PCB-1242 Peak 8	12176				Ave		12175.5920						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:22 Calibration End Date: 06/17/2012 15:22 Calibration ID: 16070

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/11	vf475166.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	7344935					1000				
PCB-1242 Peak 2	Ave	14631535					1000				
PCB-1242 Peak 3	Ave	6155541					1000				
PCB-1242 Peak 4	Ave	26946150					1000				
PCB-1242 Peak 5	Ave	11728362					1000				
PCB-1242 Peak 6	Ave	5643820					1000				
PCB-1242 Peak 7	Ave	10247965					1000				
PCB-1242 Peak 8	Ave	12175592					1000				

Curve Type Legend:

Ave = Average

Data File: vf475166.d
 Report Date: 18-Jun-2012 12:00

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/vf475166.d
 Lab Smp Id: SG1242L3_00013
 Inj Date : 17-JUN-2012 15:22
 Operator : 615
 Smp Info : SG1242L3_00013
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/08Vf8082.m
 Meth Date : 18-Jun-2012 11:57 selbyc
 Cal Date :
 Als bottle: 86
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3
 Inst ID: PESTGC9.i
 Quant Type: ESTD
 Cal File:
 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		ON - COL	TARGET RANGE		RATIO	
			RESPONSE	(ug/L)					
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
24 Aroclor-1242					CAS #: 53469-21-9				
2.837	2.845	-0.008	7344935	1000.00	1000	0.00-	0.00	100.00(M)	
3.484	3.495	-0.011	14631535	1000.00	1000	0.00-	0.00	199.21	
3.926	3.936	-0.010	6155541	1000.00	1000	0.00-	0.00	83.81	
4.328	4.339	-0.011	26946150	1000.00	1000	0.00-	0.00	366.87	
4.574	4.584	-0.010	11728362	1000.00	1000	0.00-	0.00	159.68	
4.947	4.956	-0.009	5643820	1000.00	1000	0.00-	0.00	76.84	
5.613	5.623	-0.010	10247965	1000.00	1000	0.00-	0.00	139.52	
6.127	6.137	-0.010	12175592	1000.00	1000	0.00-	0.00	165.77	
Average of Peak Amounts =					1e+03				

Data File: vf475166.d
Report Date: 18-Jun-2012 12:00

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475166.d

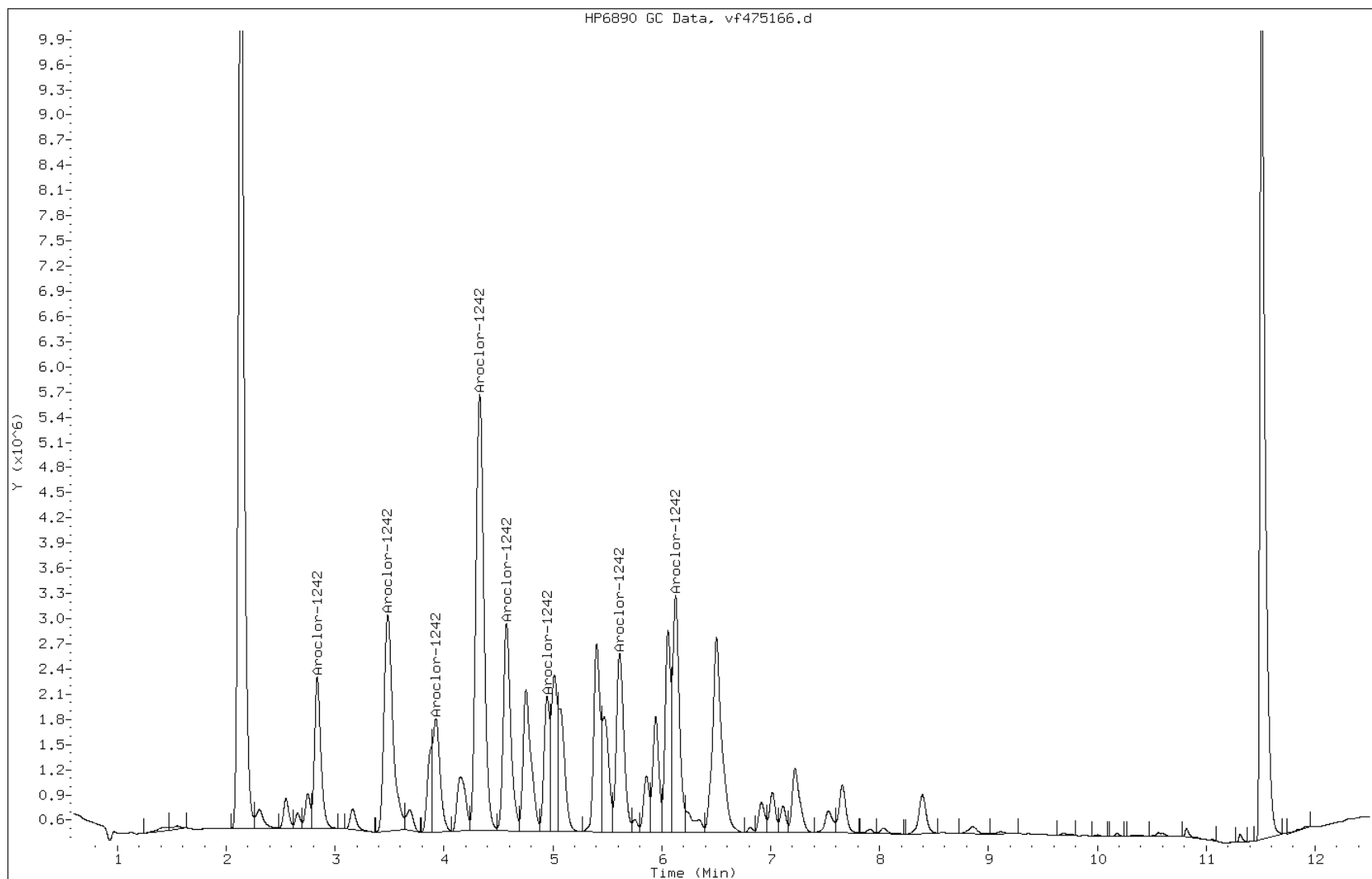
Date: 17-JUN-2012 15:22

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1242L3_00013

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:22 Calibration End Date: 06/17/2012 15:22 Calibration ID: 16071

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/11	vr475166.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.132										2.062 - 2.202	2.132
PCB-1242 Peak 2	2.582										2.512 - 2.652	2.582
PCB-1242 Peak 3	2.836										2.766 - 2.906	2.836
PCB-1242 Peak 4	3.194										3.124 - 3.264	3.194
PCB-1242 Peak 5	3.407										3.337 - 3.477	3.407
PCB-1242 Peak 6	3.772										3.702 - 3.842	3.772
PCB-1242 Peak 7	4.130										4.060 - 4.200	4.130
PCB-1242 Peak 8	5.212										5.142 - 5.282	5.212

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:22 Calibration End Date: 06/17/2012 15:22 Calibration ID: 16071

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/11	vr475166.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	7446.6				Ave		7446.62100						20.0			
PCB-1242 Peak 2	12174				Ave		12174.1080						20.0			
PCB-1242 Peak 3	7976.1				Ave		7976.12000						20.0			
PCB-1242 Peak 4	27157				Ave		27157.1300						20.0			
PCB-1242 Peak 5	9923.5				Ave		9923.52100						20.0			
PCB-1242 Peak 6	9958.3				Ave		9958.31200						20.0			
PCB-1242 Peak 7	10459				Ave		10458.6530						20.0			
PCB-1242 Peak 8	6757.1				Ave		6757.12400						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:22 Calibration End Date: 06/17/2012 15:22 Calibration ID: 16071

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/11	vr475166.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	7446621					1000				
PCB-1242 Peak 2	Ave	12174108					1000				
PCB-1242 Peak 3	Ave	7976120					1000				
PCB-1242 Peak 4	Ave	27157130					1000				
PCB-1242 Peak 5	Ave	9923521					1000				
PCB-1242 Peak 6	Ave	9958312					1000				
PCB-1242 Peak 7	Ave	10458653					1000				
PCB-1242 Peak 8	Ave	6757124					1000				

Curve Type Legend:

Ave = Average

Data File: vr475166.d
 Report Date: 18-Jun-2012 13:40

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/vr475166.d
 Lab Smp Id: SG1242L3_00013
 Inj Date : 17-JUN-2012 15:22
 Operator : 615
 Smp Info : SG1242L3_00013
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/08Vr8082.m
 Meth Date : 18-Jun-2012 13:34 selbyc
 Cal Date :
 Als bottle: 86
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3
 Inst ID: PESTGC9.i
 Quant Type: ESTD
 Cal File:
 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		ON - COL	TARGET RANGE		RATIO	
			RESPONSE	(ug/L)					
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
24 Aroclor-1242					CAS #: 53469-21-9				
2.132	2.141	-0.009	7446621	1000.00	1000	0.00-	0.00	100.00(M)	
2.582	2.591	-0.009	12174108	1000.00	1000	0.00-	0.00	163.48	
2.836	2.845	-0.009	7976120	1000.00	1000	0.00-	0.00	107.11	
3.194	3.202	-0.008	27157130	1000.00	1000	0.00-	0.00	364.69	
3.407	3.416	-0.009	9923521	1000.00	1000	0.00-	0.00	133.26	
3.772	3.783	-0.011	9958312	1000.00	1000	0.00-	0.00	133.73	
4.130	4.140	-0.010	10458653	1000.00	1000	0.00-	0.00	140.45	
5.212	5.220	-0.008	6757124	1000.00	1000	0.00-	0.00	90.74	
Average of Peak Amounts =					1e+03				

Data File: vr475166.d
Report Date: 18-Jun-2012 13:40

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475166.d

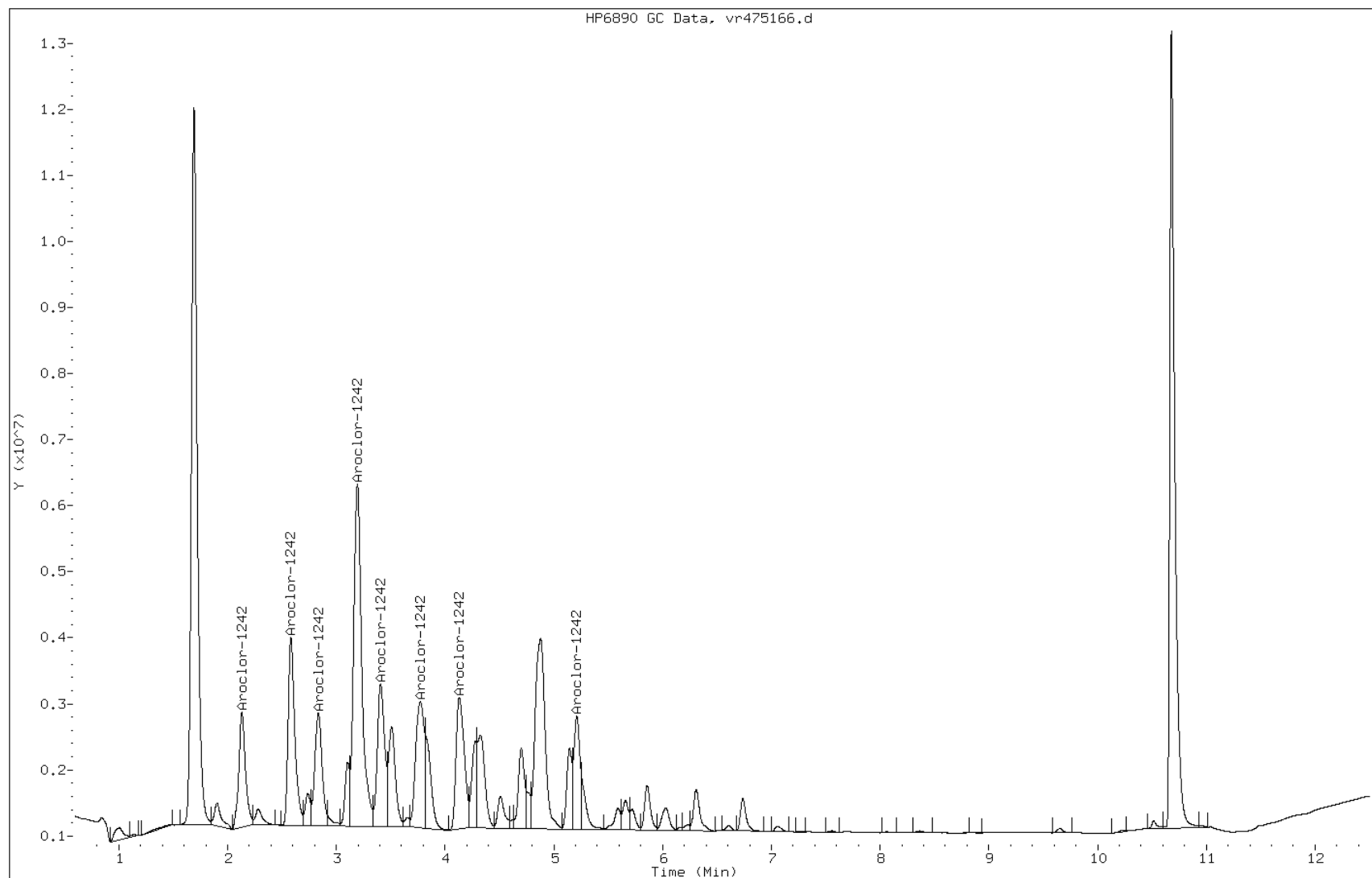
Date: 17-JUN-2012 15:22

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1242L3_00013

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:38 Calibration End Date: 06/17/2012 15:38 Calibration ID: 16072

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/12	vf475167.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.481										3.411 - 3.551	3.481
PCB-1248 Peak 2	4.326										4.256 - 4.396	4.326
PCB-1248 Peak 3	4.756										4.686 - 4.826	4.756
PCB-1248 Peak 4	4.947										4.877 - 5.017	4.947
PCB-1248 Peak 5	5.404										5.334 - 5.474	5.404
PCB-1248 Peak 6	5.614										5.544 - 5.684	5.614
PCB-1248 Peak 7	6.059										5.989 - 6.129	6.059
PCB-1248 Peak 8	6.127										6.057 - 6.197	6.127

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:38 Calibration End Date: 06/17/2012 15:38 Calibration ID: 16072

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/12	vf475167.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	7243.1				Ave		7243.09800						20.0			
PCB-1248 Peak 2	17968				Ave		17968.1400						20.0			
PCB-1248 Peak 3	3233.9				Ave		3233.90100						20.0			
PCB-1248 Peak 4	10432				Ave		10432.4480						20.0			
PCB-1248 Peak 5	13766				Ave		13765.6650						20.0			
PCB-1248 Peak 6	16040				Ave		16040.1220						20.0			
PCB-1248 Peak 7	14708				Ave		14707.5790						20.0			
PCB-1248 Peak 8	22492				Ave		22492.1960						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:38 Calibration End Date: 06/17/2012 15:38 Calibration ID: 16072

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/12	vf475167.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	7243098					1000				
PCB-1248 Peak 2	Ave	17968140					1000				
PCB-1248 Peak 3	Ave	3233901					1000				
PCB-1248 Peak 4	Ave	10432448					1000				
PCB-1248 Peak 5	Ave	13765665					1000				
PCB-1248 Peak 6	Ave	16040122					1000				
PCB-1248 Peak 7	Ave	14707579					1000				
PCB-1248 Peak 8	Ave	22492196					1000				

Curve Type Legend:

Ave = Average

Data File: vf475167.d
Report Date: 18-Jun-2012 12:01

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/vf475167.d
Lab Smp Id: SG1248L3_00013
Inj Date : 17-JUN-2012 15:38
Operator : 615
Smp Info : SG1248L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/08Vf8082.m
Meth Date : 18-Jun-2012 11:57 selbyc
Cal Date :
Als bottle: 87
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
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					
			CAL - AMT	ON - COL				
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====		
25 Aroclor-1248				CAS #: 12672-29-6				
3.481	3.490	-0.009	7243098	1000.00	1000	0.00-	0.00	100.00(M)
4.326	4.335	-0.009	17968140	1000.00	1000	0.00-	0.00	248.07
4.756	4.764	-0.008	3233901	1000.00	1000	0.00-	0.00	44.65
4.947	4.955	-0.008	10432448	1000.00	1000	0.00-	0.00	144.03
5.404	5.412	-0.008	13765665	1000.00	1000	0.00-	0.00	190.05
5.614	5.621	-0.007	16040122	1000.00	1000	0.00-	0.00	221.45
6.059	6.066	-0.007	14707579	1000.00	1000	0.00-	0.00	203.06
6.127	6.135	-0.008	22492196	1000.00	1000	0.00-	0.00	310.53
Average of Peak Amounts =				1e+03				

Data File: vf475167.d
Report Date: 18-Jun-2012 12:01

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475167.d

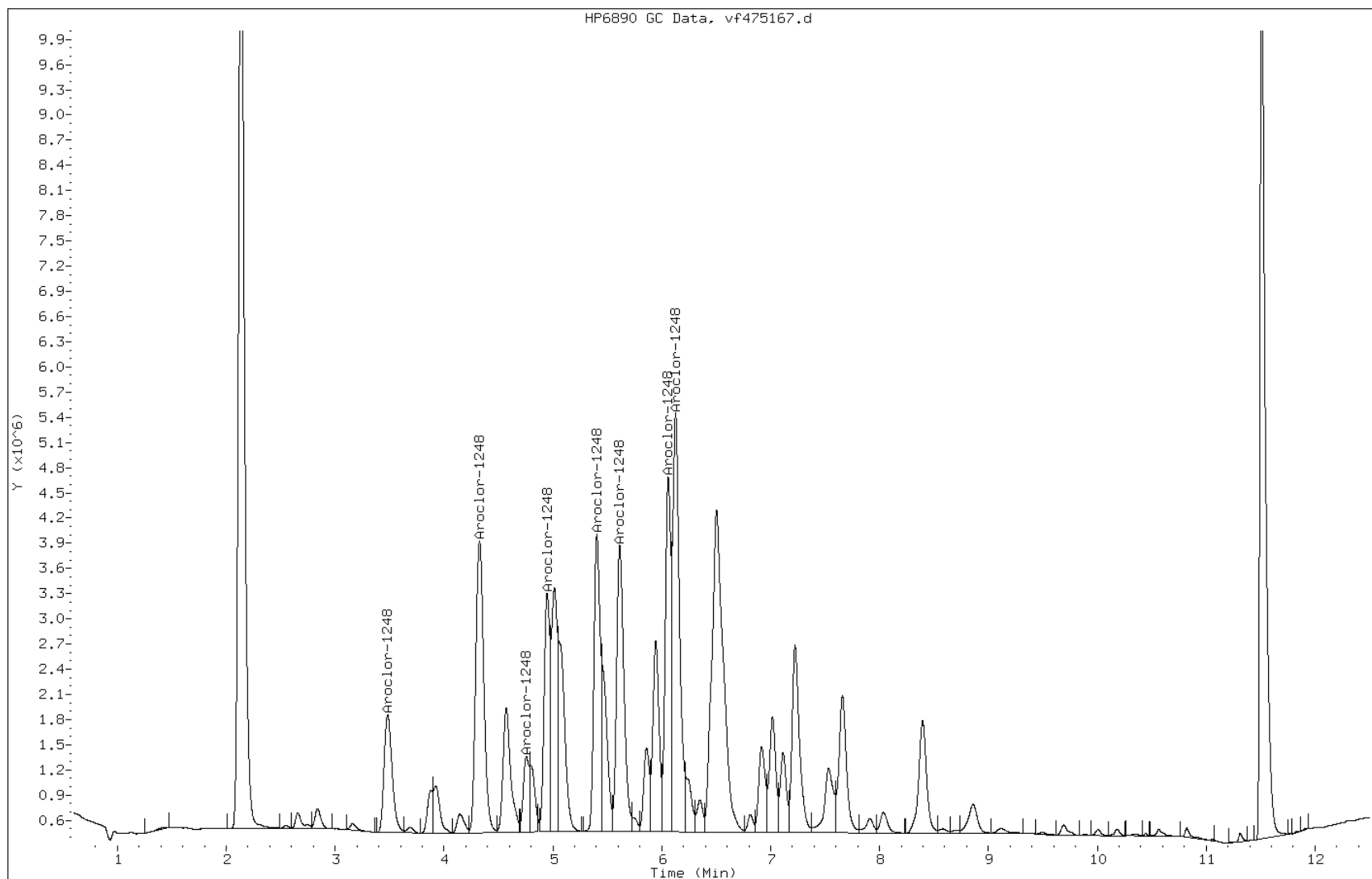
Date: 17-JUN-2012 15:38

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1248L3_00013

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:38 Calibration End Date: 06/17/2012 15:38 Calibration ID: 16073

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/12	vr475167.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	2.582										2.512 - 2.652	2.582
PCB-1248 Peak 2	3.192										3.122 - 3.262	3.192
PCB-1248 Peak 3	3.507										3.437 - 3.577	3.507
PCB-1248 Peak 4	3.771										3.701 - 3.841	3.771
PCB-1248 Peak 5	4.131										4.061 - 4.201	4.131
PCB-1248 Peak 6	4.275										4.205 - 4.345	4.275
PCB-1248 Peak 7	4.702										4.632 - 4.772	4.702
PCB-1248 Peak 8	5.213										5.143 - 5.283	5.213

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:38 Calibration End Date: 06/17/2012 15:38 Calibration ID: 16073

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/12	vr475167.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	6143.9				Ave		6143.88200						20.0			
PCB-1248 Peak 2	16364				Ave		16364.4680						20.0			
PCB-1248 Peak 3	3670.9				Ave		3670.91100						20.0			
PCB-1248 Peak 4	16527				Ave		16527.3910						20.0			
PCB-1248 Peak 5	16355				Ave		16355.4510						20.0			
PCB-1248 Peak 6	8661.4				Ave		8661.41700						20.0			
PCB-1248 Peak 7	8346.6				Ave		8346.57500						20.0			
PCB-1248 Peak 8	12776				Ave		12775.5110						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:38 Calibration End Date: 06/17/2012 15:38 Calibration ID: 16073

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/12	vr475167.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	6143882					1000				
PCB-1248 Peak 2	Ave	16364468					1000				
PCB-1248 Peak 3	Ave	3670911					1000				
PCB-1248 Peak 4	Ave	16527391					1000				
PCB-1248 Peak 5	Ave	16355451					1000				
PCB-1248 Peak 6	Ave	8661417					1000				
PCB-1248 Peak 7	Ave	8346575					1000				
PCB-1248 Peak 8	Ave	12775511					1000				

Curve Type Legend:

Ave = Average

Data File: vr475167.d
 Report Date: 18-Jun-2012 13:41

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/vr475167.d
 Lab Smp Id: SG1248L3_00013
 Inj Date : 17-JUN-2012 15:38
 Operator : 615
 Smp Info : SG1248L3_00013
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/08Vr8082.m
 Meth Date : 18-Jun-2012 13:34 selbyc
 Cal Date :
 Als bottle: 87
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3
 Inst ID: PESTGC9.i
 Quant Type: ESTD
 Cal File:
 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		ON - COL	TARGET RANGE		RATIO
			RESPONSE	(ug/L)				
==	=====	=====	=====	=====	=====	=====	=====	=====
25 Aroclor-1248			CAS #: 12672-29-6					
2.582	2.589	-0.007	6143882	1000.00	1000	0.00-	0.00	100.00(M)
3.192	3.199	-0.007	16364468	1000.00	1000	0.00-	0.00	266.35
3.507	3.515	-0.008	3670911	1000.00	1000	0.00-	0.00	59.75
3.771	3.776	-0.005	16527391	1000.00	1000	0.00-	0.00	269.01
4.131	4.138	-0.007	16355451	1000.00	1000	0.00-	0.00	266.21
4.275	4.281	-0.006	8661417	1000.00	1000	0.00-	0.00	140.98
4.702	4.709	-0.007	8346575	1000.00	1000	0.00-	0.00	135.85
5.213	5.220	-0.007	12775511	1000.00	1000	0.00-	0.00	207.94
Average of Peak Amounts =			1e+03					

Data File: vr475167.d
Report Date: 18-Jun-2012 13:41

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475167.d

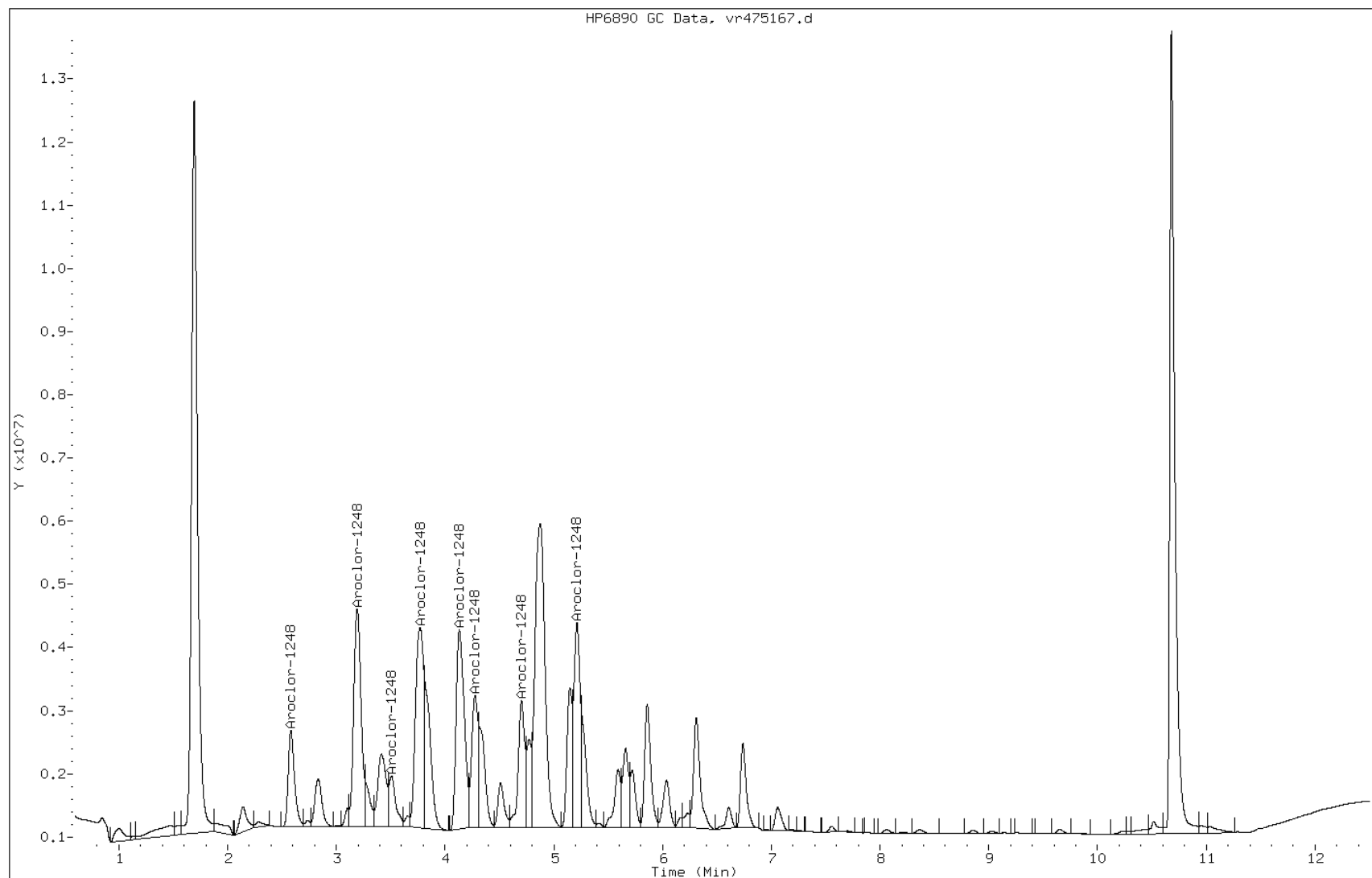
Date: 17-JUN-2012 15:38

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1248L3_00013

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:54 Calibration End Date: 06/17/2012 15:54 Calibration ID: 16074

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/13	vf475168.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	4.949										4.879 - 5.019	4.949
PCB-1254 Peak 2	6.123										6.053 - 6.193	6.123
PCB-1254 Peak 3	6.454										6.384 - 6.524	6.454
PCB-1254 Peak 4	7.020										6.950 - 7.090	7.020
PCB-1254 Peak 5	7.226										7.156 - 7.296	7.226
PCB-1254 Peak 6	8.394										8.324 - 8.464	8.394
PCB-1254 Peak 7	8.864										8.794 - 8.934	8.864
PCB-1254 Peak 8	9.696										9.626 - 9.766	9.696

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:54 Calibration End Date: 06/17/2012 15:54 Calibration ID: 16074

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/13	vf475168.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	8874.8				Ave		8874.83700						20.0			
PCB-1254 Peak 2	19376				Ave		19376.0690						20.0			
PCB-1254 Peak 3	19197				Ave		19197.1220						20.0			
PCB-1254 Peak 4	13842				Ave		13841.5170						20.0			
PCB-1254 Peak 5	29483				Ave		29483.0380						20.0			
PCB-1254 Peak 6	16577				Ave		16576.9240						20.0			
PCB-1254 Peak 7	29538				Ave		29537.5580						20.0			
PCB-1254 Peak 8	5638.4				Ave		5638.39000						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:54 Calibration End Date: 06/17/2012 15:54 Calibration ID: 16074

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/13	vf475168.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	8874837					1000				
PCB-1254 Peak 2	Ave	19376069					1000				
PCB-1254 Peak 3	Ave	19197122					1000				
PCB-1254 Peak 4	Ave	13841517					1000				
PCB-1254 Peak 5	Ave	29483038					1000				
PCB-1254 Peak 6	Ave	16576924					1000				
PCB-1254 Peak 7	Ave	29537558					1000				
PCB-1254 Peak 8	Ave	5638390					1000				

Curve Type Legend:

Ave = Average

Data File: vf475168.d
Report Date: 18-Jun-2012 12:02

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/vf475168.d
Lab Smp Id: SG1254L3_00013
Inj Date : 17-JUN-2012 15:54
Operator : 615
Smp Info : SG1254L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/08Vf8082.m
Meth Date : 18-Jun-2012 11:57 selbyc
Cal Date :
Als bottle: 88
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
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									
		CAL-AMT	ON-COL								
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO					
==	=====	=====	=====	=====	=====	=====					
26 Aroclor-1254					CAS #: 11097-69-1						
4.949	4.954	-0.005	8874837	1000.00	1000	0.00-	0.00	100.00(M)			
6.123	6.128	-0.005	19376069	1000.00	1000	0.00-	0.00	218.33			
6.454	6.459	-0.005	19197122	1000.00	1000	0.00-	0.00	216.31			
7.020	7.026	-0.006	13841517	1000.00	1000	0.00-	0.00	155.96			
7.226	7.233	-0.007	29483038	1000.00	1000	0.00-	0.00	332.21			
8.394	8.400	-0.006	16576924	1000.00	1000	0.00-	0.00	186.79			
8.864	8.870	-0.006	29537558	1000.00	1000	0.00-	0.00	332.82			
9.696	9.704	-0.008	5638390	1000.00	1000	0.00-	0.00	63.53			
Average of Peak Amounts =				1e+03							

Data File: vf475168.d
Report Date: 18-Jun-2012 12:02

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475168.d

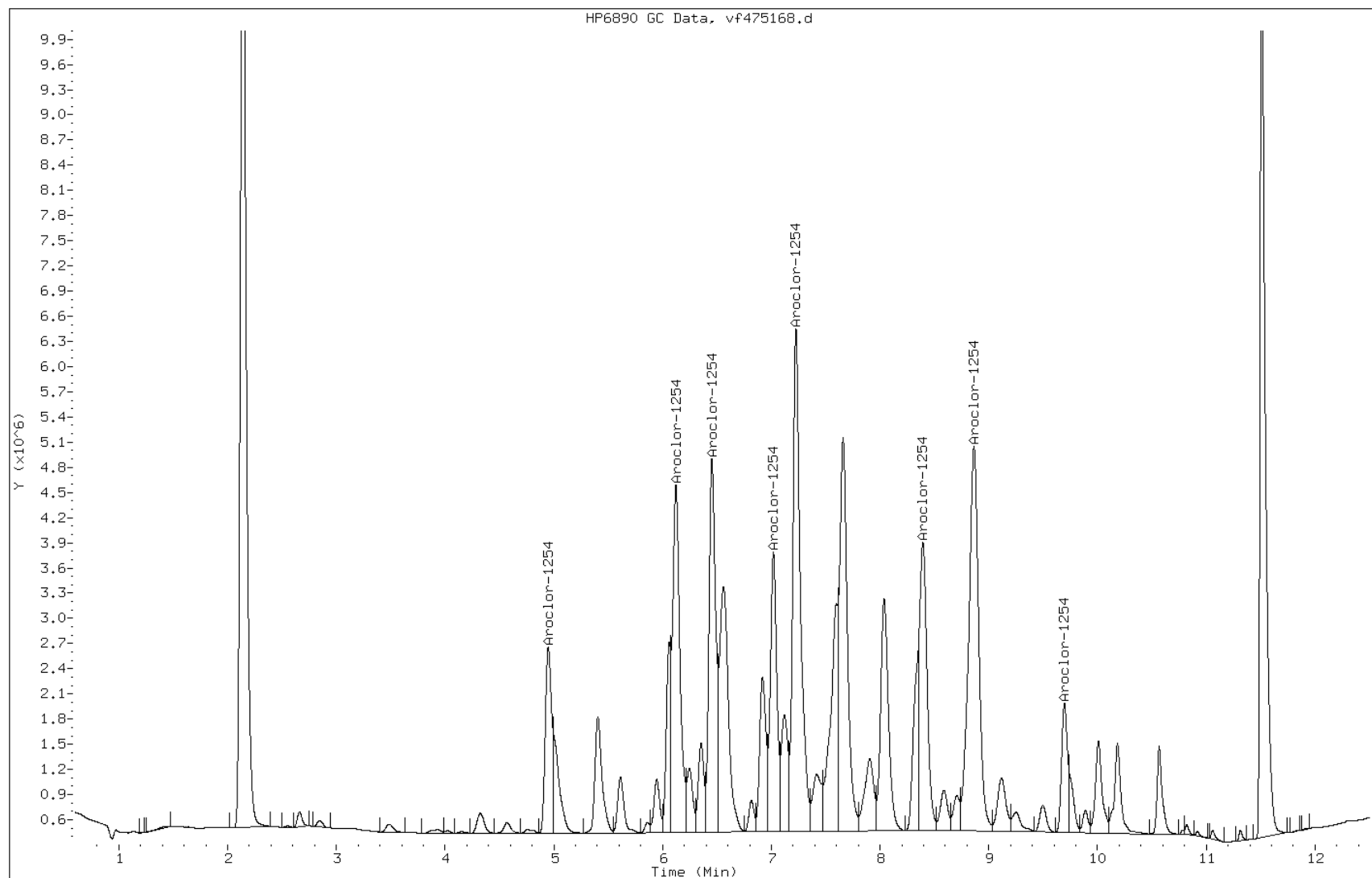
Date: 17-JUN-2012 15:54

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1254L3_00013

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:54 Calibration End Date: 06/17/2012 15:54 Calibration ID: 16075

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/13	vr475168.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	4.779										4.709 - 4.849	4.779
PCB-1254 Peak 2	4.850										4.780 - 4.920	4.850
PCB-1254 Peak 3	5.220										5.150 - 5.290	5.220
PCB-1254 Peak 4	5.660										5.590 - 5.730	5.660
PCB-1254 Peak 5	5.861										5.791 - 5.931	5.861
PCB-1254 Peak 6	6.311										6.241 - 6.381	6.311
PCB-1254 Peak 7	6.611										6.541 - 6.681	6.611
PCB-1254 Peak 8	7.061										6.991 - 7.131	7.061

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:54 Calibration End Date: 06/17/2012 15:54 Calibration ID: 16075

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/13	vr475168.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	12492				Ave		12492.1540						20.0			
PCB-1254 Peak 2	14015				Ave		14014.5250						20.0			
PCB-1254 Peak 3	18793				Ave		18793.4030						20.0			
PCB-1254 Peak 4	13326				Ave		13325.7940						20.0			
PCB-1254 Peak 5	24887				Ave		24886.9030						20.0			
PCB-1254 Peak 6	23067				Ave		23067.0100						20.0			
PCB-1254 Peak 7	19072				Ave		19071.7760						20.0			
PCB-1254 Peak 8	25296				Ave		25296.2880						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 15:54 Calibration End Date: 06/17/2012 15:54 Calibration ID: 16075

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/13	vr475168.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	12492154					1000				
PCB-1254 Peak 2	Ave	14014525					1000				
PCB-1254 Peak 3	Ave	18793403					1000				
PCB-1254 Peak 4	Ave	13325794					1000				
PCB-1254 Peak 5	Ave	24886903					1000				
PCB-1254 Peak 6	Ave	23067010					1000				
PCB-1254 Peak 7	Ave	19071776					1000				
PCB-1254 Peak 8	Ave	25296288					1000				

Curve Type Legend:

Ave = Average

Data File: vr475168.d
 Report Date: 18-Jun-2012 13:42

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/vr475168.d
 Lab Smp Id: SG1254L3_00013
 Inj Date : 17-JUN-2012 15:54
 Operator : 615
 Smp Info : SG1254L3_00013
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/08Vr8082.m
 Meth Date : 18-Jun-2012 13:34 selbyc
 Cal Date :
 Als bottle: 88
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3
 Inst ID: PESTGC9.i
 Quant Type: ESTD
 Cal File:
 Calibration Sample, Level: 3
 Compound Sublist: AR12540.sub
 Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	CAL - AMT		ON - COL	TARGET RANGE		RATIO	
			RESPONSE	(ug/L)					
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
26 Aroclor-1254					CAS #: 11097-69-1				
4.779	4.784	-0.005	12492154	1000.00	1000	0.00-	0.00	100.00(M)	
4.850	4.854	-0.004	14014525	1000.00	1000	0.00-	0.00	112.19	
5.220	5.224	-0.004	18793403	1000.00	1000	0.00-	0.00	150.44	
5.660	5.664	-0.004	13325794	1000.00	1000	0.00-	0.00	106.67	
5.861	5.864	-0.003	24886903	1000.00	1000	0.00-	0.00	199.22	
6.311	6.316	-0.005	23067010	1000.00	1000	0.00-	0.00	184.65	
6.611	6.616	-0.005	19071776	1000.00	1000	0.00-	0.00	152.67	
7.061	7.067	-0.006	25296288	1000.00	1000	0.00-	0.00	202.50	
Average of Peak Amounts =					1e+03				

Data File: vr475168.d
Report Date: 18-Jun-2012 13:42

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475168.d

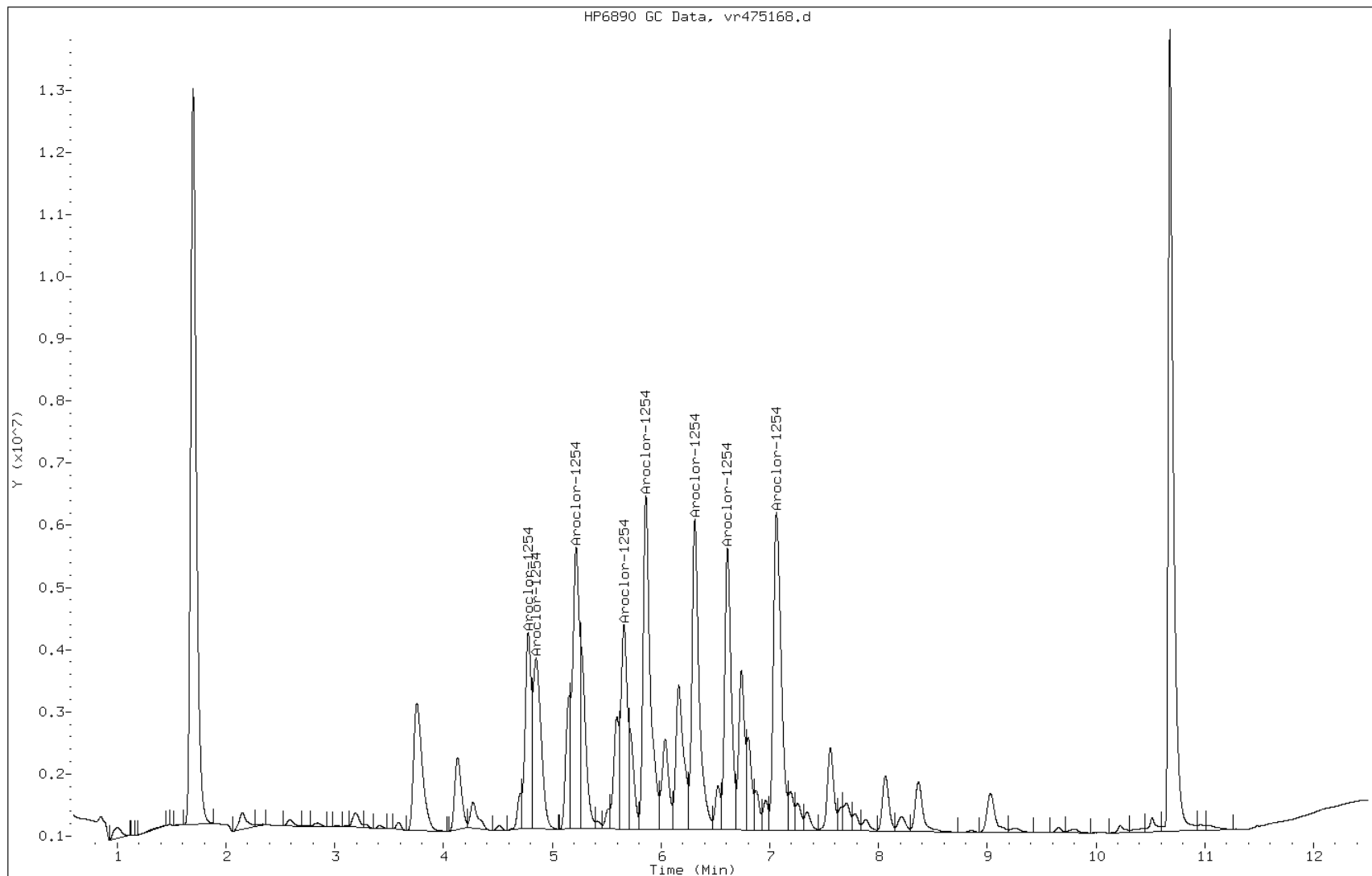
Date: 17-JUN-2012 15:54

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1254L3_00013

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 16:10 Calibration End Date: 06/17/2012 16:10 Calibration ID: 16076

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/14	vf475169.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	7.598										7.528 - 7.668	7.598
PCB-1262 Peak 2	8.040										7.970 - 8.110	8.040
PCB-1262 Peak 3	9.114										9.044 - 9.184	9.114
PCB-1262 Peak 4	9.767										9.697 - 9.837	9.767
PCB-1262 Peak 5	10.566										10.496 - 10.636	10.566
PCB-1262 Peak 6	10.602										10.532 - 10.672	10.602
PCB-1262 Peak 7	11.062										10.992 - 11.132	11.063
PCB-1262 Peak 8	11.316										11.246 - 11.386	11.316

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 16:10 Calibration End Date: 06/17/2012 16:10 Calibration ID: 16076

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/14	vf475169.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-1262 Peak 1	18775				Ave		18774.9680						20.0			
PCB-1262 Peak 2	22859				Ave		22859.3170						20.0			
PCB-1262 Peak 3	30797				Ave		30797.3340						20.0			
PCB-1262 Peak 4	22524				Ave		22523.8840						20.0			
PCB-1262 Peak 5	23026				Ave		23025.9730						20.0			
PCB-1262 Peak 6	27304				Ave		27303.6520						20.0			
PCB-1262 Peak 7	15492				Ave		15492.4620						20.0			
PCB-1262 Peak 8	3868.1				Ave		3868.09500						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 16:10 Calibration End Date: 06/17/2012 16:10 Calibration ID: 16076

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/14	vf475169.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	18774968					1000				
PCB-1262 Peak 2	Ave	22859317					1000				
PCB-1262 Peak 3	Ave	30797334					1000				
PCB-1262 Peak 4	Ave	22523884					1000				
PCB-1262 Peak 5	Ave	23025973					1000				
PCB-1262 Peak 6	Ave	27303652					1000				
PCB-1262 Peak 7	Ave	15492462					1000				
PCB-1262 Peak 8	Ave	3868095					1000				

Curve Type Legend:

Ave = Average

Data File: vf475169.d
 Report Date: 18-Jun-2012 12:03

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/vf475169.d
 Lab Smp Id: SG1262L3_00012
 Inj Date : 17-JUN-2012 16:10
 Operator : 615
 Smp Info : SG1262L3_00012
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/08Vf8082.m
 Meth Date : 18-Jun-2012 11:57 selbyc
 Cal Date :
 Als bottle: 89
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3

Inst ID: PESTGC9.i
 Quant Type: ESTD
 Cal File:
 Calibration Sample, Level: 3
 Compound Sublist: AR12620.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)					
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
53 Aroclor-1262					CAS #: 37324-23-5				
7.598	7.606	-0.008	18774968	1000.00	1000	0.00-	0.00	100.00	
8.040	8.046	-0.006	22859317	1000.00	1000	0.00-	0.00	121.75	
9.114	9.123	-0.009	30797334	1000.00	1000	0.00-	0.00	164.03	
9.767	9.777	-0.010	22523884	1000.00	1000	0.00-	0.00	119.97	
10.566	10.572	-0.006	23025973	1000.00	1000	0.00-	0.00	122.64	
10.602	10.609	-0.007	27303652	1000.00	1000	0.00-	0.00	145.43	
11.062	11.069	-0.007	15492462	1000.00	1000	0.00-	0.00	82.52	
11.316	11.324	-0.008	3868095	1000.00	1000	0.00-	0.00	20.60	
Average of Peak Amounts =					1e+03				

Data File: vf475169.d

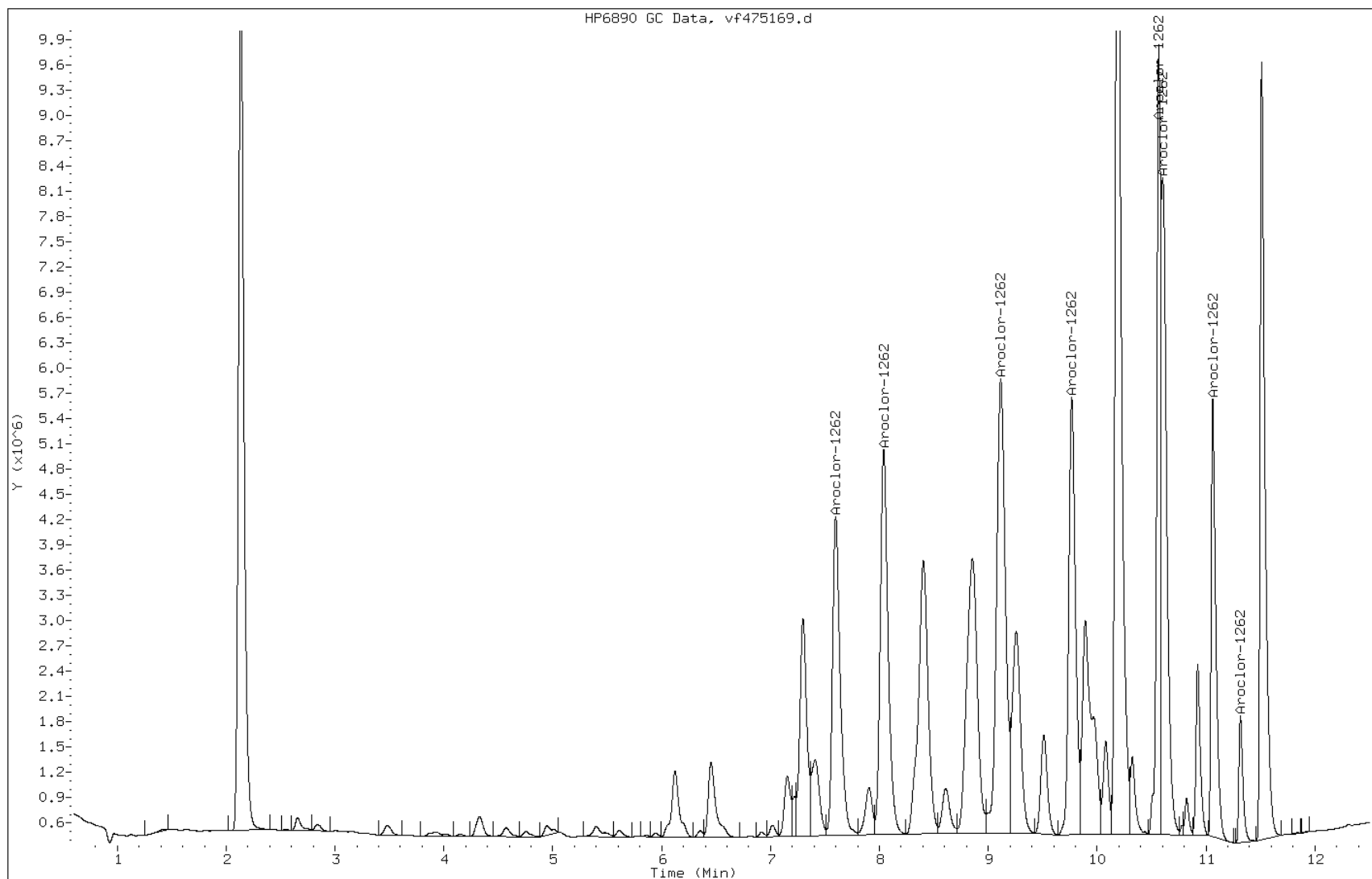
Date: 17-JUN-2012 16:10

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1262L3_00012

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 16:10 Calibration End Date: 06/17/2012 16:10 Calibration ID: 16077

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/14	vr475169.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	5.938										5.868 - 6.008	5.938
PCB-1262 Peak 2	6.162										6.092 - 6.232	6.162
PCB-1262 Peak 3	7.060										6.990 - 7.130	7.060
PCB-1262 Peak 4	7.267										7.197 - 7.337	7.267
PCB-1262 Peak 5	7.715										7.645 - 7.785	7.715
PCB-1262 Peak 6	9.033										8.963 - 9.103	9.033
PCB-1262 Peak 7	9.259										9.189 - 9.329	9.259
PCB-1262 Peak 8	10.226										10.156 - 10.296	10.226

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 16:10 Calibration End Date: 06/17/2012 16:10 Calibration ID: 16077

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/14	vr475169.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-1262 Peak 1	11657				Ave		11656.9690						20.0			
PCB-1262 Peak 2	15831				Ave		15830.8650						20.0			
PCB-1262 Peak 3	11614				Ave		11613.6210						20.0			
PCB-1262 Peak 4	30215				Ave		30214.5730						20.0			
PCB-1262 Peak 5	20751				Ave		20751.1610						20.0			
PCB-1262 Peak 6	16459				Ave		16458.6130						20.0			
PCB-1262 Peak 7	23656				Ave		23655.6080						20.0			
PCB-1262 Peak 8	18355				Ave		18355.2460						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 16:10 Calibration End Date: 06/17/2012 16:10 Calibration ID: 16077

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/14	vr475169.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	11656969					1000				
PCB-1262 Peak 2	Ave	15830865					1000				
PCB-1262 Peak 3	Ave	11613621					1000				
PCB-1262 Peak 4	Ave	30214573					1000				
PCB-1262 Peak 5	Ave	20751161					1000				
PCB-1262 Peak 6	Ave	16458613					1000				
PCB-1262 Peak 7	Ave	23655608					1000				
PCB-1262 Peak 8	Ave	18355246					1000				

Curve Type Legend:

Ave = Average

Data File: vr475169.d
Report Date: 18-Jun-2012 13:43

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/vr475169.d
Lab Smp Id: SG1262L3_00012
Inj Date : 17-JUN-2012 16:10
Operator : 615
Smp Info : SG1262L3_00012
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/08Vr8082.m
Meth Date : 18-Jun-2012 13:34 selbyc
Cal Date :
Als bottle: 89
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
Calibration Sample, Level: 3
Compound Sublist: AR12620.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
==	=====	=====	=====	=====	=====	=====	=====	=====
53 Aroclor-1262			CAS #: 37324-23-5					
5.938	5.945	-0.007	11656969	1000.00	1000	0.00-	0.00	100.00(M)
6.162	6.169	-0.007	15830865	1000.00	1000	0.00-	0.00	135.81
7.060	7.067	-0.007	11613621	1000.00	1000	0.00-	0.00	99.63
7.267	7.273	-0.006	30214573	1000.00	1000	0.00-	0.00	259.20
7.715	7.721	-0.006	20751161	1000.00	1000	0.00-	0.00	178.02
9.033	9.041	-0.008	16458613	1000.00	1000	0.00-	0.00	141.19
9.259	9.266	-0.007	23655608	1000.00	1000	0.00-	0.00	202.93
10.226	10.230	-0.004	18355246	1000.00	1000	0.00-	0.00	157.46
Average of Peak Amounts =			1e+03					

Data File: vr475169.d
Report Date: 18-Jun-2012 13:43

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475169.d

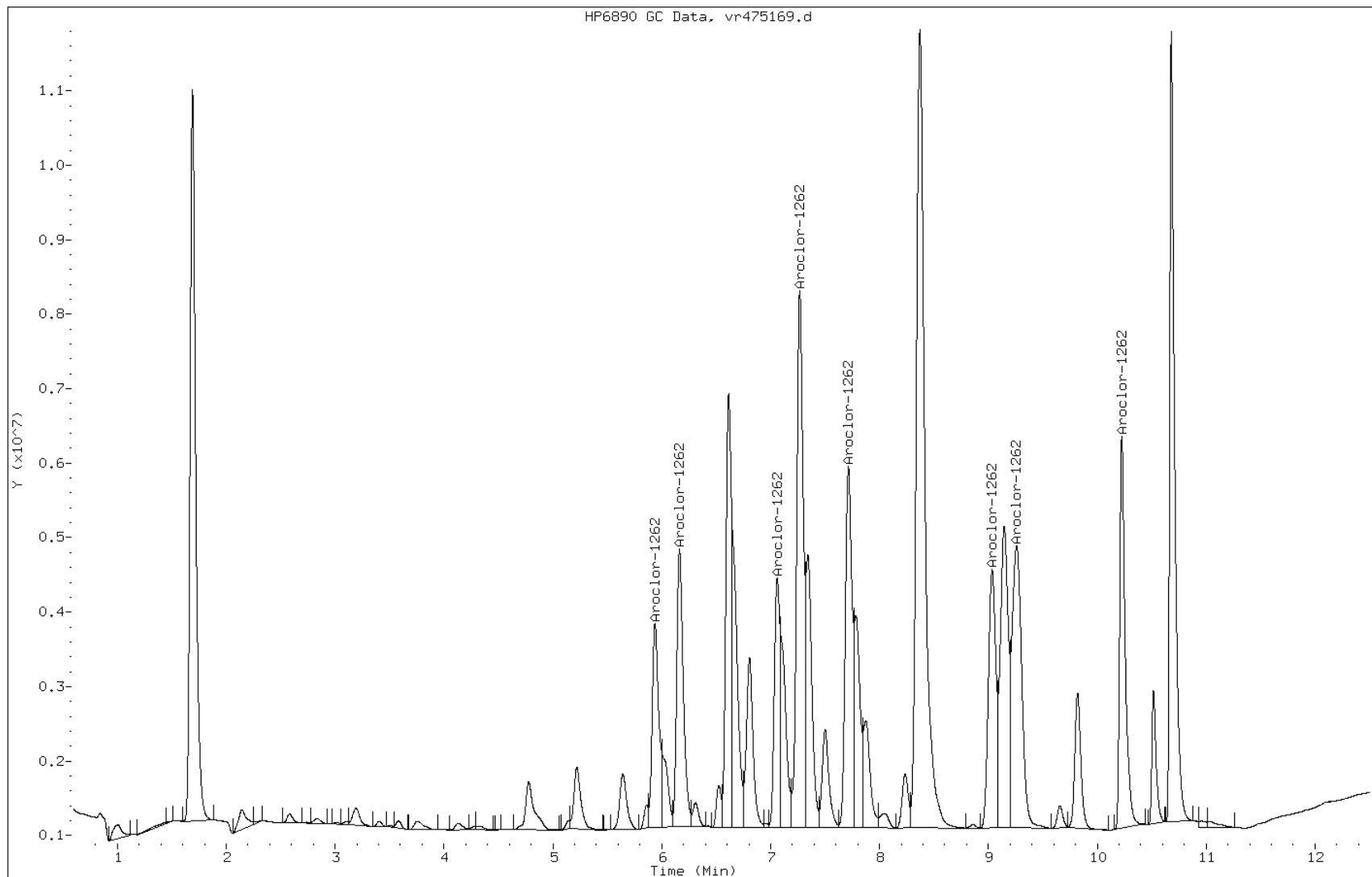
Date: 17-JUN-2012 16:10

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1262L3_00012

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 16:26 Calibration End Date: 06/17/2012 16:26 Calibration ID: 16078

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/15	vf475170.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1268 Peak 1	9.114										9.044 - 9.184	9.114
PCB-1268 Peak 2	9.774										9.704 - 9.844	9.774
PCB-1268 Peak 3	10.564										10.494 - 10.634	10.565
PCB-1268 Peak 4	10.602										10.532 - 10.672	10.602
PCB-1268 Peak 5	10.824										10.754 - 10.894	10.825
PCB-1268 Peak 6	10.905										10.835 - 10.975	10.905
PCB-1268 Peak 7	11.063										10.993 - 11.133	11.063
PCB-1268 Peak 8	11.319										11.249 - 11.389	11.320

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 16:26 Calibration End Date: 06/17/2012 16:26 Calibration ID: 16078

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/15	vf475170.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-1268 Peak 1	11841				Ave		11840.9867						20.0			
PCB-1268 Peak 2	15464				Ave		15463.6580						20.0			
PCB-1268 Peak 3	30719				Ave		30719.0118						20.0			
PCB-1268 Peak 4	67285				Ave		67284.9564						20.0			
PCB-1268 Peak 5	37120				Ave		37119.9870						20.0			
PCB-1268 Peak 6	13720				Ave		13719.8120						20.0			
PCB-1268 Peak 7	16138				Ave		16138.3278						20.0			
PCB-1268 Peak 8	99356				Ave		99356.1946						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 16:26 Calibration End Date: 06/17/2012 16:26 Calibration ID: 16078

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/15	vf475170.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1268 Peak 1	Ave	11840986					1000				
PCB-1268 Peak 2	Ave	15463657					1000				
PCB-1268 Peak 3	Ave	30719011					1000				
PCB-1268 Peak 4	Ave	67284956					1000				
PCB-1268 Peak 5	Ave	37119987					1000				
PCB-1268 Peak 6	Ave	13719811					1000				
PCB-1268 Peak 7	Ave	16138327					1000				
PCB-1268 Peak 8	Ave	99356194					1000				

Curve Type Legend:

Ave = Average

Data File: vf475170.d
Report Date: 18-Jun-2012 12:03

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/vf475170.d
Lab Smp Id: SG1268L3_00013
Inj Date : 17-JUN-2012 16:26
Operator : 615
Smp Info : SG1268L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-17-12ical/17june12a.b/08Vf8082.m
Meth Date : 18-Jun-2012 11:57 selbyc
Cal Date :
Als bottle: 90
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
Calibration Sample, Level: 3
Compound Sublist: AR12680.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			
==	=====	=====	=====	=====	=====	=====		=====	
54 Aroclor-1268			CAS #: 11100-14-4						
9.114	9.123	-0.009	11840986	1000.00	1000	0.00-	0.00	100.00(M)	
9.774	9.784	-0.010	15463657	1000.00	1000	0.00-	0.00	130.59	
10.564	10.571	-0.007	30719011	1000.00	1000	0.00-	0.00	259.43	
10.602	10.609	-0.007	67284956	1000.00	1000	0.00-	0.00	568.24	
10.824	10.831	-0.007	37119987	1000.00	1000	0.00-	0.00	313.49	
10.905	10.911	-0.006	13719811	1000.00	1000	0.00-	0.00	115.87	
11.063	11.068	-0.005	16138327	1000.00	1000	0.00-	0.00	136.29	
11.319	11.324	-0.005	99356194	1000.00	1000	0.00-	0.00	839.09	
Average of Peak Amounts =			1e+03						

Data File: vf475170.d
Report Date: 18-Jun-2012 12:03

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475170.d

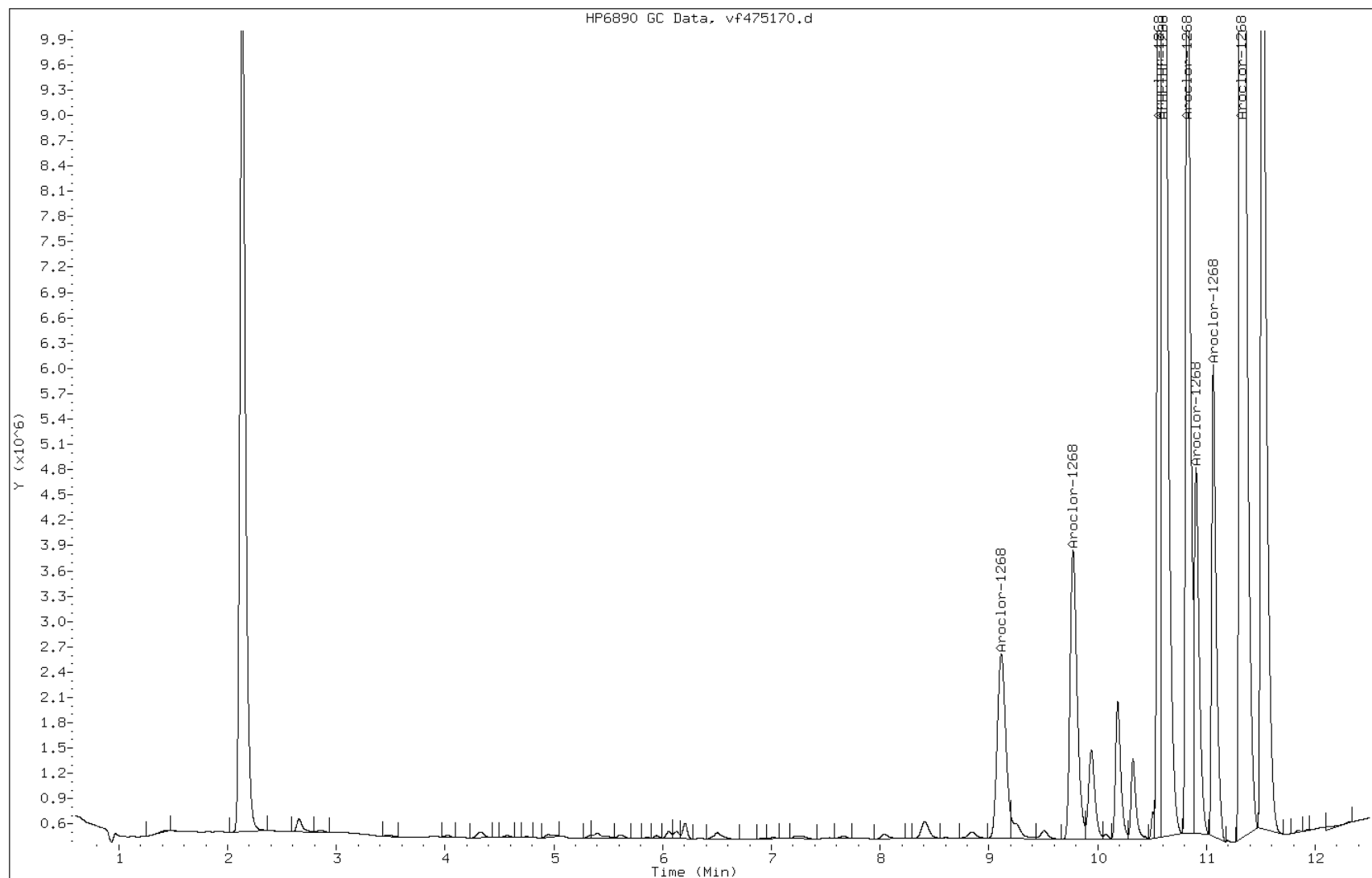
Date: 17-JUN-2012 16:26

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1268L3_00013

Operator: 615



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 16:26 Calibration End Date: 06/17/2012 16:26 Calibration ID: 16079

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/15	vr475170.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1268 Peak 1	7.266										7.196 - 7.336	7.266
PCB-1268 Peak 2	7.709										7.639 - 7.779	7.709
PCB-1268 Peak 3	9.148										9.078 - 9.218	9.148
PCB-1268 Peak 4	9.246										9.176 - 9.316	9.246
PCB-1268 Peak 5	9.659										9.589 - 9.729	9.659
PCB-1268 Peak 6	9.810										9.740 - 9.880	9.810
PCB-1268 Peak 7	10.225										10.155 - 10.295	10.225
PCB-1268 Peak 8	10.517										10.447 - 10.587	10.517

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 16:26 Calibration End Date: 06/17/2012 16:26 Calibration ID: 16079

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/15	vr475170.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-1268 Peak 1	12683				Ave		12683.3930						20.0			
PCB-1268 Peak 2	16707				Ave		16706.5340						20.0			
PCB-1268 Peak 3	57907				Ave		57907.3120						20.0			
PCB-1268 Peak 4	61270				Ave		61269.6950						20.0			
PCB-1268 Peak 5	46622				Ave		46621.7150						20.0			
PCB-1268 Peak 6	13608				Ave		13608.4310						20.0			
PCB-1268 Peak 7	19311				Ave		19311.0420						20.0			
PCB-1268 Peak 8	110609				Ave		110608.530						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-41546-1 Analy Batch No.: 116500

SDG No.: _____

Instrument ID: PESTGC9 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2012 16:26 Calibration End Date: 06/17/2012 16:26 Calibration ID: 16079

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-116500/15	vr475170.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1268 Peak 1	Ave	12683393					1000				
PCB-1268 Peak 2	Ave	16706534					1000				
PCB-1268 Peak 3	Ave	57907312					1000				
PCB-1268 Peak 4	Ave	61269695					1000				
PCB-1268 Peak 5	Ave	46621715					1000				
PCB-1268 Peak 6	Ave	13608431					1000				
PCB-1268 Peak 7	Ave	19311042					1000				
PCB-1268 Peak 8	Ave	110608530					1000				

Curve Type Legend:

Ave = Average

Data File: vr475170.d
Report Date: 18-Jun-2012 13:44

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/vr475170.d
Lab Smp Id: SG1268L3_00013
Inj Date : 17-JUN-2012 16:26
Operator : 615
Smp Info : SG1268L3_00013
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17june12a.b/08Vr8082.m
Meth Date : 18-Jun-2012 13:34 selbyc
Cal Date :
Als bottle: 90
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File:
Calibration Sample, Level: 3
Compound Sublist: AR12680.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		
==	=====	=====	=====	=====	=====	=====		
54 Aroclor-1268			CAS #: 11100-14-4					
7.266	7.273	-0.007	12683393	1000.00	1000	0.00-	0.00	100.00
7.709	7.715	-0.006	16706534	1000.00	1000	0.00-	0.00	131.72
9.148	9.156	-0.008	57907312	1000.00	1000	0.00-	0.00	456.56
9.246	9.253	-0.007	61269695	1000.00	1000	0.00-	0.00	483.07
9.659	9.665	-0.006	46621715	1000.00	1000	0.00-	0.00	367.58
9.810	9.816	-0.006	13608431	1000.00	1000	0.00-	0.00	107.29
10.225	10.230	-0.005	19311042	1000.00	1000	0.00-	0.00	152.25
10.517	10.520	-0.003	110608530	1000.00	1000	0.00-	0.00	872.07
Average of Peak Amounts =			1e+03					

Data File: vr475170.d

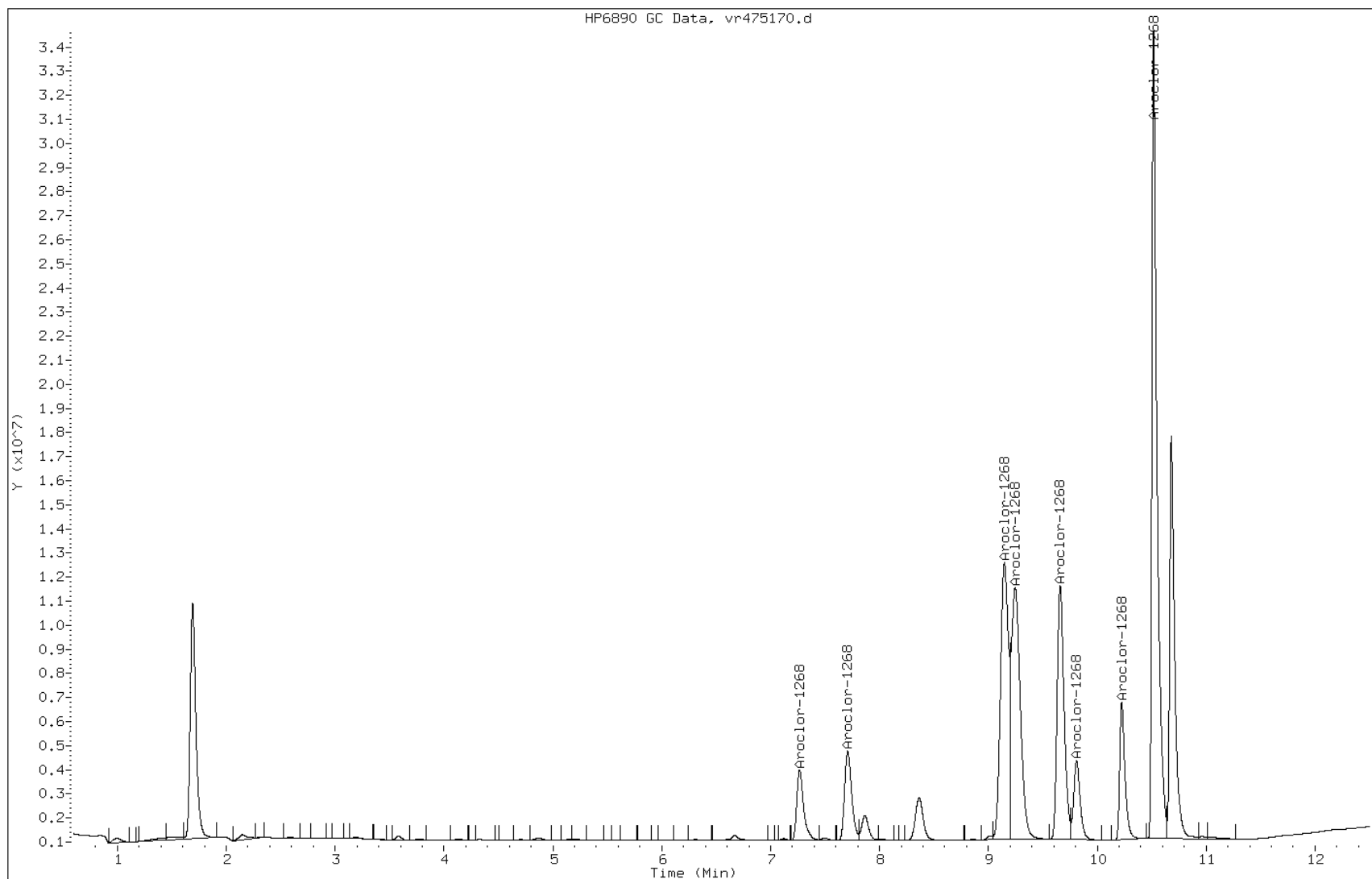
Date: 17-JUN-2012 16:26

Client ID:

Instrument: PESTGC9.i

Sample Info: SG1268L3_00013

Operator: 615



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-117335/2 Calibration Date: 06/24/2012 17:15
 Instrument ID: PESTGC9 Calib Start Date: 06/17/2012 13:30
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 06/17/2012 14:34
 Lab File ID: vf475492.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	8666	8735		1010	1000	0.8	15.0
PCB-1016 Peak 2	Ave	18554	18759		1010	1000	1.1	15.0
PCB-1016 Peak 3	Ave	7684	7624		992	1000	-0.8	15.0
PCB-1016 Peak 4	Ave	34188	34505		1010	1000	0.9	15.0
PCB-1016 Peak 5	Ave	14905	15153		1020	1000	1.7	15.0
PCB-1016 Peak 6	Ave	9870	9675		980	1000	-2.0	15.0
PCB-1016 Peak 7	Ave	10759	10949		1020	1000	1.8	15.0
PCB-1016 Peak 8	Ave	10724	11316		1060	1000	5.5	15.0
PCB-1260 Peak 1	Ave	24175	24341		1010	1000	0.7	15.0
PCB-1260 Peak 2	Ave	28026	28079		1000	1000	0.2	15.0
PCB-1260 Peak 3	Ave	39218	40130		1020	1000	2.3	15.0
PCB-1260 Peak 4	Ave	18998	19495		1030	1000	2.6	15.0
PCB-1260 Peak 5	Ave	10490	10691		1020	1000	1.9	15.0
PCB-1260 Peak 6	Ave	17596	18487		1050	1000	5.1	15.0
PCB-1260 Peak 7	Ave	20482	19980		975	1000	-2.5	15.0
PCB-1260 Peak 8	Ave	7271	9340		1280	1000	28.4*	15.0
DCB Decachlorobiphenyl	Ave	297141	352587		119	100	18.7*	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-117335/2 Calibration Date: 06/24/2012 17:15
 Instrument ID: PESTGC9 Calib Start Date: 06/17/2012 13:30
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 06/17/2012 14:34
 Lab File ID: vf475492.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.83	2.77	2.91
PCB-1016 Peak 2	3.48	3.42	3.56
PCB-1016 Peak 3	3.92	3.86	4.00
PCB-1016 Peak 4	4.33	4.26	4.40
PCB-1016 Peak 5	4.57	4.51	4.65
PCB-1016 Peak 6	5.01	4.95	5.09
PCB-1016 Peak 7	5.40	5.34	5.48
PCB-1016 Peak 8	5.61	5.55	5.69
PCB-1260 Peak 1	7.59	7.53	7.67
PCB-1260 Peak 2	8.03	7.97	8.11
PCB-1260 Peak 3	8.86	8.79	8.93
PCB-1260 Peak 4	9.11	9.04	9.18
PCB-1260 Peak 5	9.25	9.19	9.33
PCB-1260 Peak 6	9.76	9.70	9.84
PCB-1260 Peak 7	10.57	10.50	10.64
PCB-1260 Peak 8	11.06	10.99	11.13
DCB Decachlorobiphenyl	11.51	11.41	11.61

Data File: vf475492.d
Report Date: 25-Jun-2012 09:01

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475492.d
Lab Smp Id: ccvrtSG1660L3_00017
Inj Date : 24-JUN-2012 17:15
Operator : 615
Smp Info : ccvrt SG1660L3_00017
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
Meth Date : 25-Jun-2012 09:00 selbyc
Cal Date : 17-JUN-2012 16:26
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf475170.d
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

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.834	2.841	-0.007	8734734	1007.88	670	80.00-	120.00	100.00(M)
3.480	3.489	-0.009	18759188	1011.08	670	167.10-	250.66	214.77
3.922	3.931	-0.009	7624460	992.196	660	71.61-	107.41	87.29
4.325	4.333	-0.008	34504858	1009.28	670	310.95-	466.42	395.03
4.572	4.578	-0.006	15152653	1016.63	680	135.86-	203.78	173.48
5.011	5.018	-0.007	9674852	980.233	650	83.21-	124.82	110.76
5.400	5.407	-0.007	10948837	1017.62	680	98.64-	147.96	125.35
5.612	5.617	-0.005	11315581	1055.12	700	109.30-	163.95	129.55
Average of Peak Concentrations =					670			

27 Aroclor-1260					CAS #: 11096-82-5			
7.595	7.599	-0.004	24340763	1006.87	670	80.00-	120.00	100.00(M)

Data File: vf475492.d
 Report Date: 25-Jun-2012 09:01

			CONCENTRATIONS					
				ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
8.035	8.041	-0.006	28079168	1001.88	670	92.28-	138.42	115.36
8.855	8.862	-0.007	40129758	1023.24	680	135.28-	202.92	164.87
9.110	9.114	-0.004	19495092	1026.19	680	63.46-	95.19	80.09
9.252	9.258	-0.006	10690816	1019.11	680	36.43-	54.65	43.92
9.762	9.766	-0.004	18486659	1050.60	700	61.74-	92.61	75.95
10.565	10.568	-0.003	19979778	975.486	650	74.56-	111.84	82.08
11.059	11.061	-0.002	9339830	1284.48	860	27.83-	41.75	38.37
Average of Peak Concentrations =					700			

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3			
11.507	11.508	-0.001	35258684	118.660	79	80.00-	120.00	100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
 M - Compound response manually integrated.

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-117335/2 Calibration Date: 06/24/2012 17:15
 Instrument ID: PESTGC9 Calib Start Date: 06/17/2012 13:30
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 06/17/2012 14:34
 Lab File ID: vr475492.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	8522	8644		1010	1000	1.4	15.0
PCB-1016 Peak 2	Ave	15238	15947		1050	1000	4.7	15.0
PCB-1016 Peak 3	Ave	9914	10504		1060	1000	6.0	15.0
PCB-1016 Peak 4	Ave	33961	35892		1060	1000	5.7	15.0
PCB-1016 Peak 5	Ave	12285	13536		1100	1000	10.2	15.0
PCB-1016 Peak 6	Ave	12715	14027		1100	1000	10.3	15.0
PCB-1016 Peak 7	Ave	12619	13436		1060	1000	6.5	15.0
PCB-1016 Peak 8	Ave	5222	5701		1090	1000	9.2	15.0
PCB-1260 Peak 1	Ave	20046	21867		1090	1000	9.1	15.0
PCB-1260 Peak 2	Ave	38154	41857		1100	1000	9.7	15.0
PCB-1260 Peak 3	Ave	33780	37923		1120	1000	12.3	15.0
PCB-1260 Peak 4	Ave	18101	20489		1130	1000	13.2	15.0
PCB-1260 Peak 5	Ave	16209	18151		1120	1000	12.0	15.0
PCB-1260 Peak 6	Ave	19714	22753		1150	1000	15.4*	15.0
PCB-1260 Peak 7	Ave	11527	13546		1180	1000	17.5*	15.0
PCB-1260 Peak 8	Ave	9434	10866		1150	1000	15.2*	15.0
DCB Decachlorobiphenyl	Ave	320181	357749		112	100	11.7	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-117335/2 Calibration Date: 06/24/2012 17:15
 Instrument ID: PESTGC9 Calib Start Date: 06/17/2012 13:30
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 06/17/2012 14:34
 Lab File ID: vr475492.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.13	2.06	2.20
PCB-1016 Peak 2	2.58	2.51	2.65
PCB-1016 Peak 3	2.83	2.76	2.90
PCB-1016 Peak 4	3.19	3.12	3.26
PCB-1016 Peak 5	3.40	3.33	3.47
PCB-1016 Peak 6	3.77	3.70	3.84
PCB-1016 Peak 7	4.13	4.06	4.20
PCB-1016 Peak 8	4.28	4.21	4.35
PCB-1260 Peak 1	6.16	6.09	6.23
PCB-1260 Peak 2	6.61	6.54	6.68
PCB-1260 Peak 3	7.06	6.99	7.13
PCB-1260 Peak 4	7.26	7.19	7.33
PCB-1260 Peak 5	7.71	7.64	7.78
PCB-1260 Peak 6	9.03	8.96	9.10
PCB-1260 Peak 7	9.26	9.19	9.33
PCB-1260 Peak 8	10.22	10.15	10.29
DCB Decachlorobiphenyl	10.68	10.58	10.78

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/vr475492.d
Lab Smp Id: ccvrtSG1660L3_00017
Inj Date : 24-JUN-2012 17:15
Operator : 615
Smp Info : ccvrt SG1660L3_00017
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/08Vr8082.m
Meth Date : 25-Jun-2012 08:28 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vr475170.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
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

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.131	2.131	0.000	8643915	1014.27	680	80.00-	120.00	100.00(M)
2.581	2.581	0.000	15947328	1046.57	700	147.59-	221.39	184.49
2.833	2.833	0.000	10504327	1059.51	710	97.22-	145.83	121.52
3.191	3.191	0.000	35892050	1056.86	700	332.18-	498.27	415.23
3.405	3.405	0.000	13535690	1101.78	730	125.27-	187.91	156.59
3.769	3.769	0.000	14027446	1103.19	740	129.82-	194.74	162.28
4.130	4.130	0.000	13436453	1064.77	710	124.36-	186.53	155.44
4.275	4.275	0.000	5701152	1091.78	730	52.76-	79.15	65.96
Average of Peak Concentrations =					710			

27 Aroclor-1260					CAS #: 11096-82-5			
6.160	6.160	0.000	21866775	1090.85	730	80.00-	120.00	100.00(M)

			CONCENTRATIONS						
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.610	6.610	0.000	41856709	1097.05	730	153.13-	229.70	191.42	
7.059	7.059	0.000	37922951	1122.64	750	138.74-	208.11	173.43	
7.264	7.264	0.000	20488859	1131.93	750	74.96-	112.44	93.70	
7.711	7.711	0.000	18151412	1119.81	750	66.41-	99.61	83.01	
9.030	9.030	0.000	22753178	1154.15	770	83.24-	124.86	104.05	
9.258	9.258	0.000	13546219	1175.19	780	49.56-	74.34	61.95	
10.223	10.223	0.000	10865512	1151.70	770	39.75-	59.63	49.69	
Average of Peak Concentrations =					750				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.678	10.678	0.000	35774909	111.734	74	80.00-	120.00	100.00(RM)	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: vr475492.d

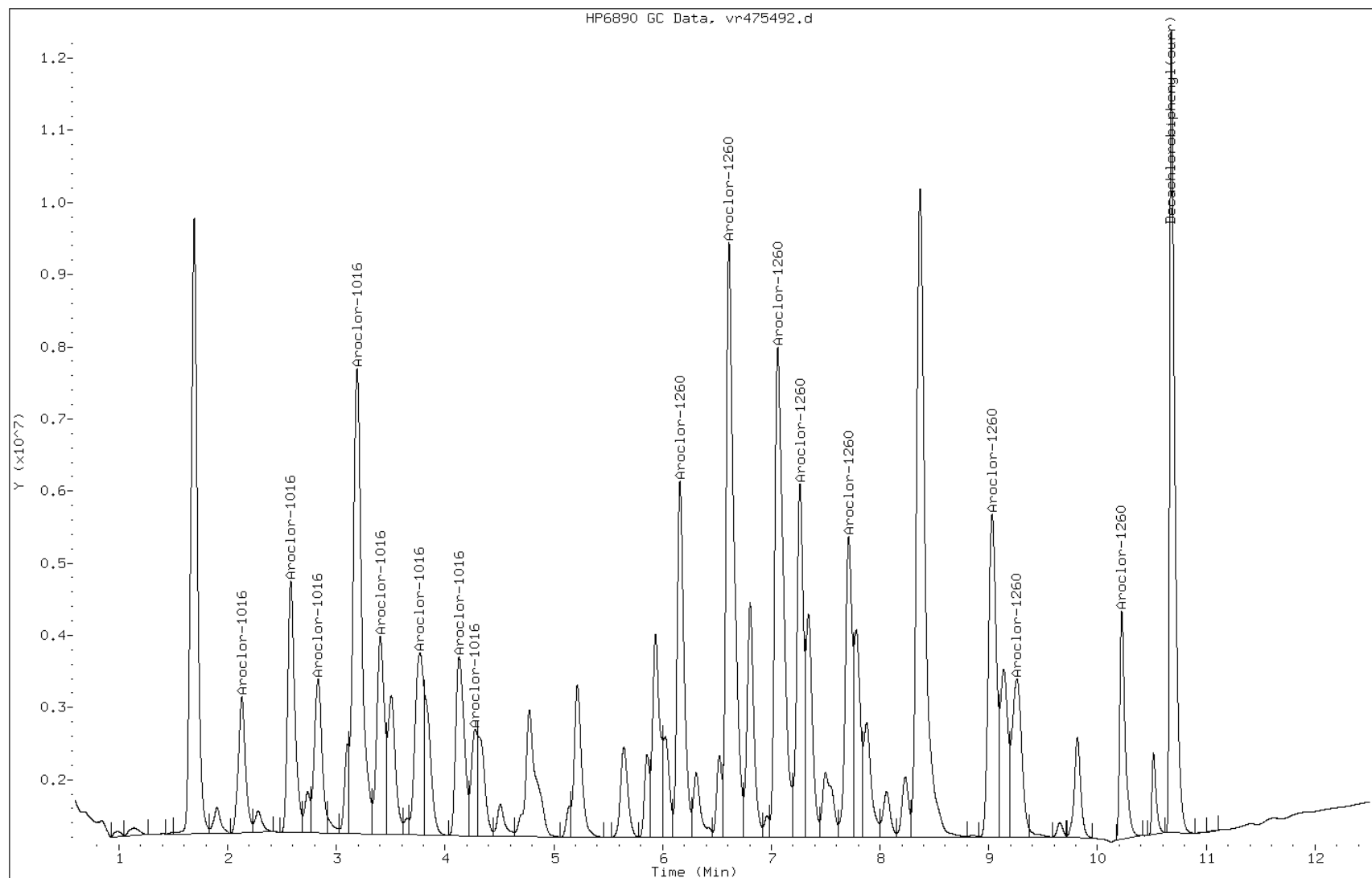
Date: 24-JUN-2012 17:15

Client ID:

Instrument: PESTGC9.i

Sample Info: ccvrt SG1660L3_00017

Operator: 615



Manual Integration Report

Data File: vr475492.d
Inj. Date and Time: 24-JUN-2012 17:15
Instrument ID: PESTGC9.i
Client ID:
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 06/25/2012

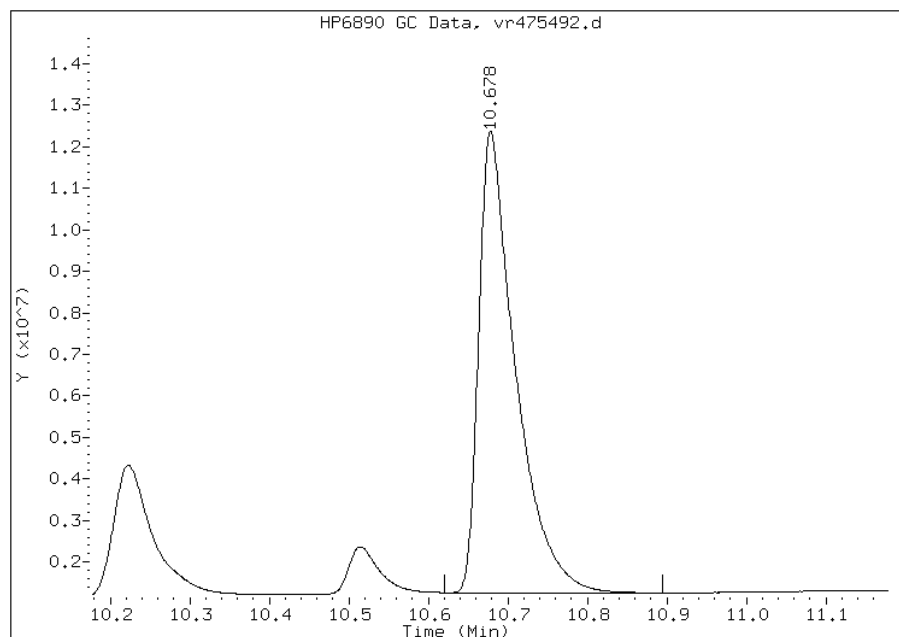
Processing Integration Results

Not Detected

Expected RT: 10.68

Manual Integration Results

RT: 10.68
Response: 35774909
Amount: 111.73
Conc: 74.49



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCV 460-117335/28 Calibration Date: 06/25/2012 00:10
 Instrument ID: PESTGC9 Calib Start Date: 06/17/2012 13:30
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 06/17/2012 14:34
 Lab File ID: vf475518.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	8666	8974		1040	1000	3.5	15.0
PCB-1016 Peak 2	Ave	18554	19372		1040	1000	4.4	15.0
PCB-1016 Peak 3	Ave	7684	8062		1050	1000	4.9	15.0
PCB-1016 Peak 4	Ave	34188	35936		1050	1000	5.1	15.0
PCB-1016 Peak 5	Ave	14905	15819		1060	1000	6.1	15.0
PCB-1016 Peak 6	Ave	9870	10327		1050	1000	4.6	15.0
PCB-1016 Peak 7	Ave	10759	11561		1070	1000	7.5	15.0
PCB-1016 Peak 8	Ave	10724	11540		1080	1000	7.6	15.0
PCB-1260 Peak 1	Ave	24175	24603		1020	1000	1.8	15.0
PCB-1260 Peak 2	Ave	28026	28520		1020	1000	1.8	15.0
PCB-1260 Peak 3	Ave	39218	40759		1040	1000	3.9	15.0
PCB-1260 Peak 4	Ave	18998	19669		1040	1000	3.5	15.0
PCB-1260 Peak 5	Ave	10490	10806		1030	1000	3.0	15.0
PCB-1260 Peak 6	Ave	17596	18351		1040	1000	4.3	15.0
PCB-1260 Peak 7	Ave	20482	18914		923	1000	-7.7	15.0
PCB-1260 Peak 8	Ave	7271	8082		1110	1000	11.1	15.0
DCB Decachlorobiphenyl	Ave	297141	325359		109	100	9.5	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCV 460-117335/28 Calibration Date: 06/25/2012 00:10
 Instrument ID: PESTGC9 Calib Start Date: 06/17/2012 13:30
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 06/17/2012 14:34
 Lab File ID: vf475518.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.84	2.77	2.91
PCB-1016 Peak 2	3.49	3.42	3.56
PCB-1016 Peak 3	3.93	3.86	4.00
PCB-1016 Peak 4	4.33	4.26	4.40
PCB-1016 Peak 5	4.57	4.51	4.65
PCB-1016 Peak 6	5.01	4.95	5.09
PCB-1016 Peak 7	5.40	5.34	5.48
PCB-1016 Peak 8	5.61	5.55	5.69
PCB-1260 Peak 1	7.59	7.53	7.67
PCB-1260 Peak 2	8.03	7.97	8.11
PCB-1260 Peak 3	8.85	8.79	8.93
PCB-1260 Peak 4	9.10	9.04	9.18
PCB-1260 Peak 5	9.25	9.19	9.33
PCB-1260 Peak 6	9.76	9.70	9.84
PCB-1260 Peak 7	10.56	10.50	10.64
PCB-1260 Peak 8	11.05	10.99	11.13
DCB Decachlorobiphenyl	11.50	11.41	11.61

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475518.d
Lab Smp Id: ccv SG1660L3_00017
Inj Date : 25-JUN-2012 00:10
Operator : 615
Smp Info : ccv SG1660L3_00017
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
Meth Date : 25-Jun-2012 09:00 selbyc
Cal Date : 17-JUN-2012 16:26
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf475170.d
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

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.840	2.841	-0.001	8973601	1035.45	690	80.00-	120.00	100.00(M)
3.487	3.489	-0.002	19371992	1044.11	700	167.10-	250.66	215.88
3.928	3.931	-0.003	8062347	1049.18	700	71.61-	107.41	89.85
4.331	4.333	-0.002	35935991	1051.14	700	310.95-	466.42	400.46
4.575	4.578	-0.003	15818533	1061.31	710	135.86-	203.78	176.28
5.014	5.018	-0.004	10326948	1046.30	700	83.21-	124.82	115.08
5.401	5.407	-0.006	11561439	1074.55	720	98.64-	147.96	128.84
5.612	5.617	-0.005	11540128	1076.06	720	109.30-	163.95	128.60
Average of Peak Concentrations =					700			

27 Aroclor-1260					CAS #: 11096-82-5			
7.592	7.599	-0.007	24603489	1017.74	680	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)								
8.032	8.041	-0.009	28519635	1017.60	680	92.28-	138.42	115.92
8.853	8.862	-0.009	40758542	1039.27	690	135.28-	202.92	165.66
9.105	9.114	-0.009	19668542	1035.32	690	63.46-	95.19	79.94
9.248	9.258	-0.010	10806207	1030.11	690	36.43-	54.65	43.92
9.759	9.766	-0.007	18350876	1042.88	700	61.74-	92.61	74.59
10.564	10.568	-0.004	18914345	923.468	620	74.56-	111.84	76.88
11.055	11.061	-0.006	8081968	1111.49	740	27.83-	41.75	32.85
Average of Peak Concentrations =					680			

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3			
11.497	11.508	-0.011	32535856	109.496	73	80.00-	120.00	100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: vf475518.d

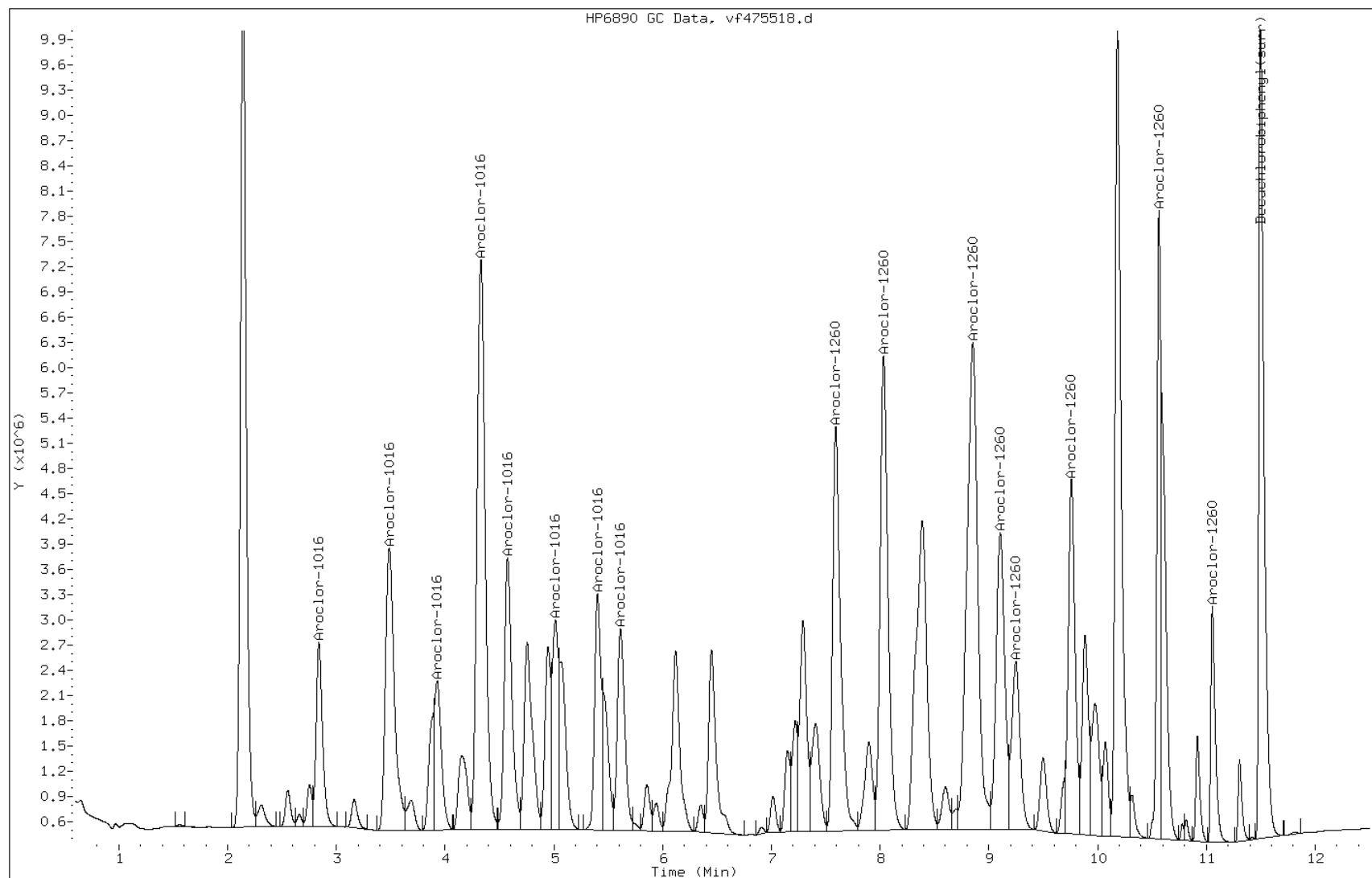
Date: 25-JUN-2012 00:10

Client ID:

Instrument: PESTGC9.i

Sample Info: ccv SG1660L3_00017

Operator: 615



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCV 460-117335/28 Calibration Date: 06/25/2012 00:10
 Instrument ID: PESTGC9 Calib Start Date: 06/17/2012 13:30
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 06/17/2012 14:34
 Lab File ID: vr475518.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	8522	9227		1080	1000	8.3	15.0
PCB-1016 Peak 2	Ave	15238	16348		1070	1000	7.3	15.0
PCB-1016 Peak 3	Ave	9914	10632		1070	1000	7.2	15.0
PCB-1016 Peak 4	Ave	33961	36761		1080	1000	8.2	15.0
PCB-1016 Peak 5	Ave	12285	13852		1130	1000	12.7	15.0
PCB-1016 Peak 6	Ave	12715	13818		1090	1000	8.7	15.0
PCB-1016 Peak 7	Ave	12619	13817		1090	1000	9.5	15.0
PCB-1016 Peak 8	Ave	5222	5625		1080	1000	7.7	15.0
PCB-1260 Peak 1	Ave	20046	22395		1120	1000	11.7	15.0
PCB-1260 Peak 2	Ave	38154	42608		1120	1000	11.7	15.0
PCB-1260 Peak 3	Ave	33780	38281		1130	1000	13.3	15.0
PCB-1260 Peak 4	Ave	18101	20707		1140	1000	14.4	15.0
PCB-1260 Peak 5	Ave	16209	18414		1140	1000	13.6	15.0
PCB-1260 Peak 6	Ave	19714	23099		1170	1000	17.2*	15.0
PCB-1260 Peak 7	Ave	11527	14022		1220	1000	21.6*	15.0
PCB-1260 Peak 8	Ave	9434	10434		1110	1000	10.6	15.0
DCB Decachlorobiphenyl	Ave	320181	338040		106	100	5.6	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: CCV 460-117335/28 Calibration Date: 06/25/2012 00:10
 Instrument ID: PESTGC9 Calib Start Date: 06/17/2012 13:30
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 06/17/2012 14:34
 Lab File ID: vr475518.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.14	2.06	2.20
PCB-1016 Peak 2	2.59	2.51	2.65
PCB-1016 Peak 3	2.84	2.76	2.90
PCB-1016 Peak 4	3.20	3.12	3.26
PCB-1016 Peak 5	3.41	3.33	3.47
PCB-1016 Peak 6	3.78	3.70	3.84
PCB-1016 Peak 7	4.13	4.06	4.20
PCB-1016 Peak 8	4.28	4.21	4.35
PCB-1260 Peak 1	6.16	6.09	6.23
PCB-1260 Peak 2	6.61	6.54	6.68
PCB-1260 Peak 3	7.06	6.99	7.13
PCB-1260 Peak 4	7.26	7.19	7.33
PCB-1260 Peak 5	7.71	7.64	7.78
PCB-1260 Peak 6	9.03	8.96	9.10
PCB-1260 Peak 7	9.26	9.19	9.33
PCB-1260 Peak 8	10.22	10.15	10.29
DCB Decachlorobiphenyl	10.68	10.58	10.78

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/vr475518.d
Lab Smp Id: ccv SG1660L3_00017
Inj Date : 25-JUN-2012 00:10
Operator : 615
Smp Info : ccv SG1660L3_00017
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/08Vr8082.m
Meth Date : 25-Jun-2012 08:28 selbyc
Cal Date : 17-JUN-2012 16:26
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr475170.d
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

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====		=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.139	2.131	0.008	9226845	1082.67	720	80.00-	120.00	100.00(M)
2.589	2.581	0.008	16347582	1072.84	720	147.59-	221.39	177.17
2.841	2.833	0.008	10631839	1072.37	710	97.22-	145.83	115.23
3.199	3.191	0.008	36760890	1082.45	720	332.18-	498.27	398.41
3.411	3.405	0.006	13851593	1127.49	750	125.27-	187.91	150.12
3.776	3.769	0.007	13818157	1086.73	720	129.82-	194.74	149.76
4.134	4.130	0.004	13817124	1094.94	730	124.36-	186.53	149.75
4.279	4.275	0.004	5624596	1077.12	720	52.76-	79.15	60.96
Average of Peak Concentrations =					720			

27 Aroclor-1260					CAS #: 11096-82-5			
6.161	6.160	0.001	22394929	1117.20	740	80.00-	120.00	100.00(M)

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.611	6.610	0.001	42608408	1116.75	740	153.13-	229.70	190.26	
7.058	7.059	-0.001	38281123	1133.24	760	138.74-	208.11	170.94	
7.263	7.264	-0.001	20706879	1143.98	760	74.96-	112.44	92.46	
7.711	7.711	0.000	18414237	1136.02	760	66.41-	99.61	82.23	
9.028	9.030	-0.002	23099261	1171.70	780	83.24-	124.86	103.15	
9.256	9.258	-0.002	14022401	1216.50	810	49.56-	74.34	62.61	
10.221	10.223	-0.002	10433887	1105.95	740	39.75-	59.63	46.59	
Average of Peak Concentrations =					760				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.676	10.678	-0.002	33803996	105.578	70	80.00-	120.00	100.00(RM)	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: vr475518.d

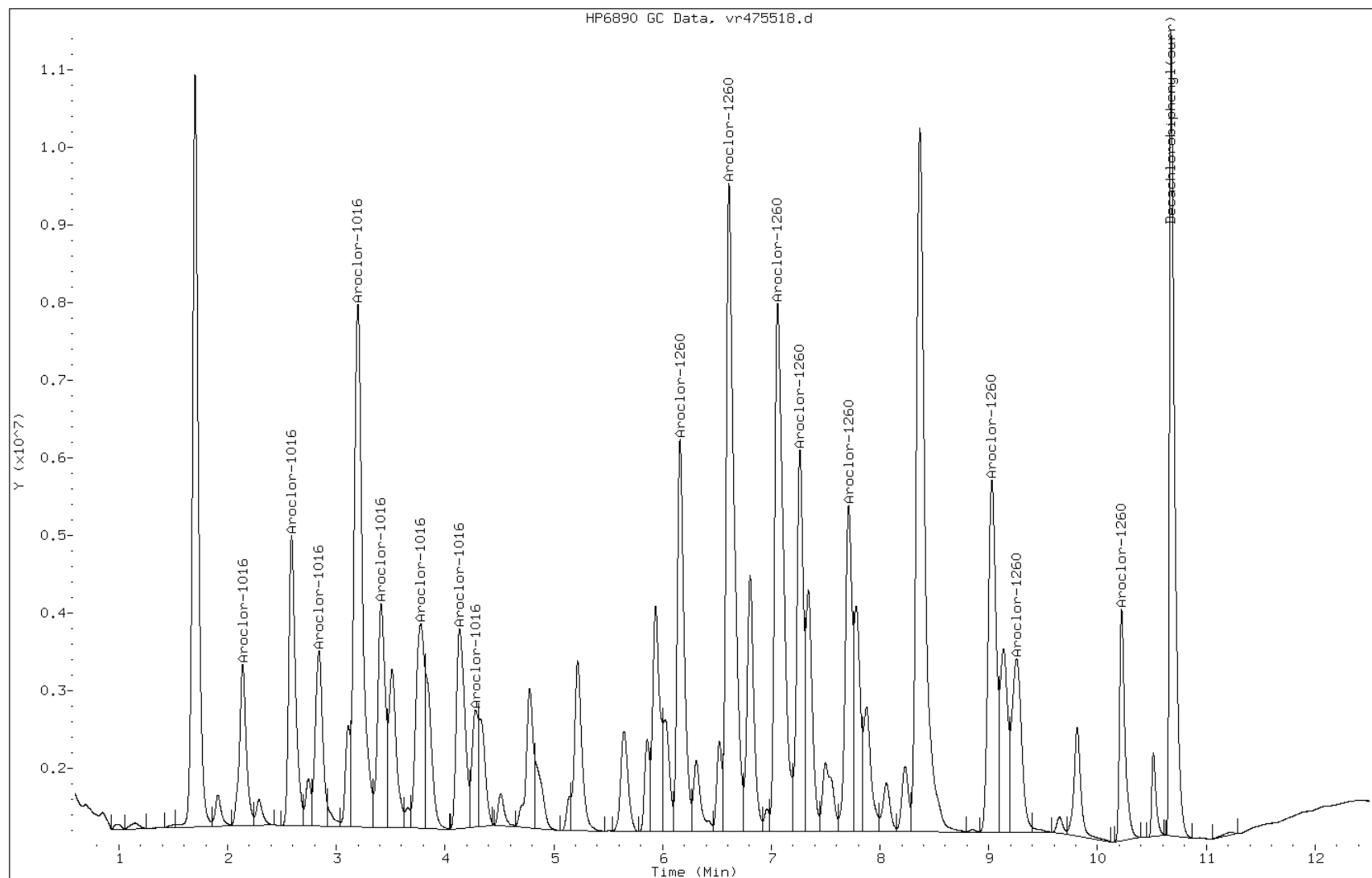
Date: 25-JUN-2012 00:10

Client ID:

Instrument: PESTGC9.i

Sample Info: ccv SG1660L3_00017

Operator: 615



Manual Integration Report

Data File: vr475518.d
Inj. Date and Time: 25-JUN-2012 00:10
Instrument ID: PESTGC9.i
Client ID:
Compound: 30 Decachlorobiphenyl(surr)
CAS #: 2051-24-3
Report Date: 06/25/2012

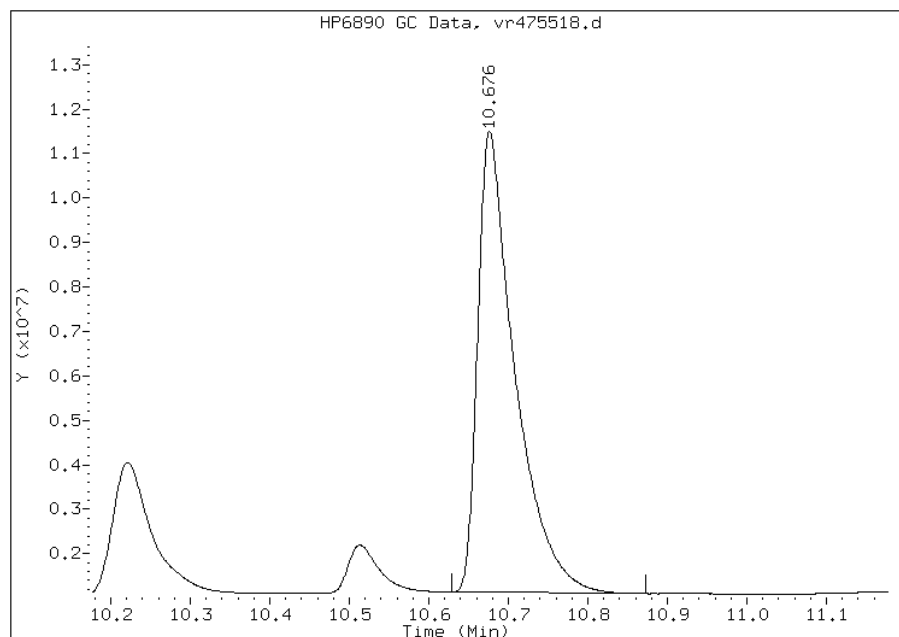
Processing Integration Results

Not Detected

Expected RT: 10.68

Manual Integration Results

RT: 10.68
Response: 33803996
Amount: 105.58
Conc: 70.39



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-117107/1-A
Matrix: Solid Lab File ID: vf475493.d
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
Sample wt/vol: 15.00 (g) Date Analyzed: 06/24/2012 17:31
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.: 117335 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	135		30-150

Data File: vf475493.d
Report Date: 25-Jun-2012 09:01

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475493.d
Lab Smp Id: MB 460-117107/1-a
Inj Date : 24-JUN-2012 17:31
Operator : 615
Smp Info : MB 460-117107/1-a
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
Meth Date : 25-Jun-2012 09:00 selbyc
Cal Date : 17-JUN-2012 16:26
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf475170.d
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (ug/L)	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl(surr) CAS #: 2051-24-3						
11.506	11.508	-0.002	20077415	67.5686	45 80.00- 120.00	100.00

Data File: vf475493.d

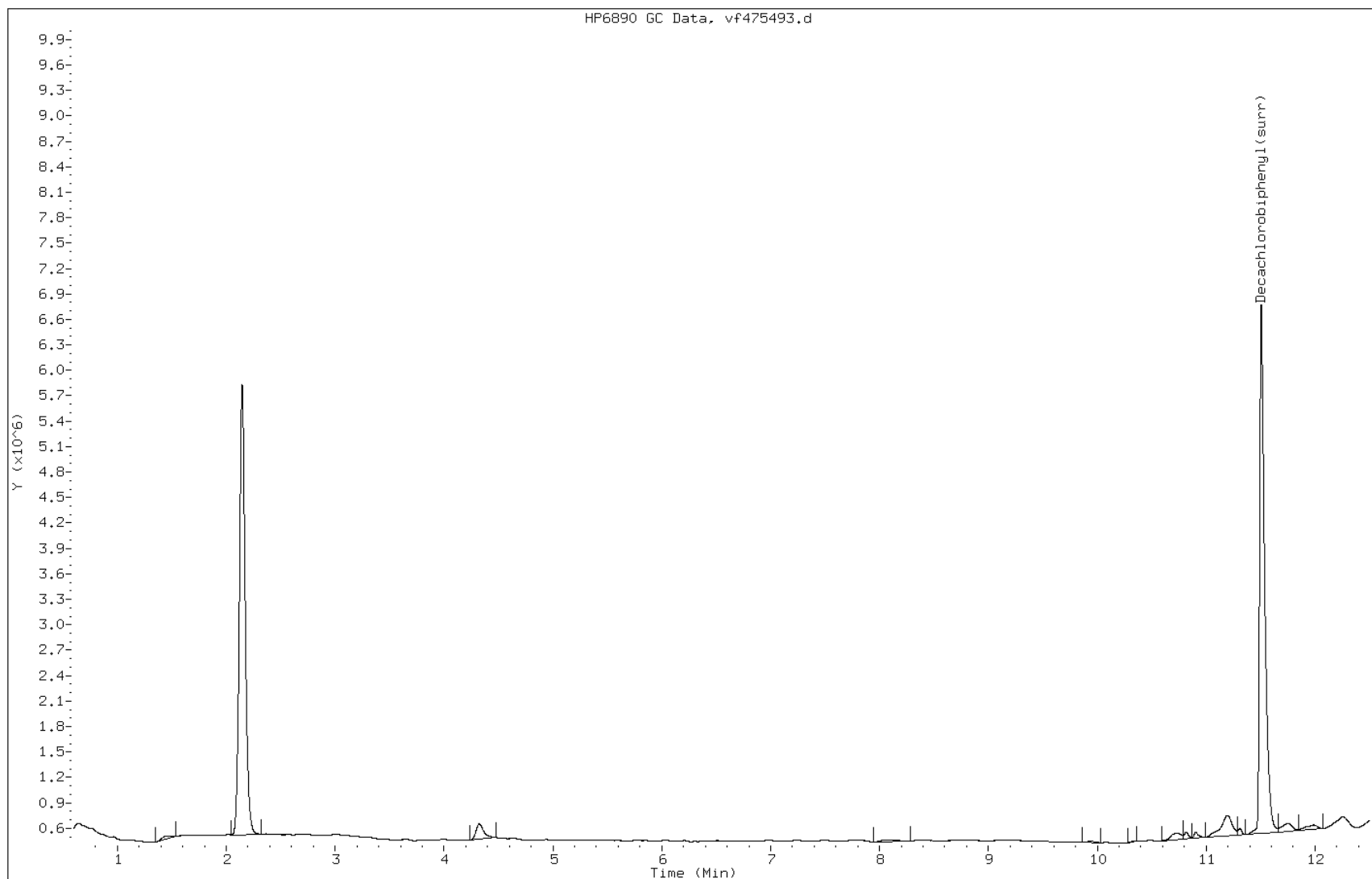
Date: 24-JUN-2012 17:31

Client ID:

Instrument: PESTGC9.i

Sample Info: MB 460-117107/1-a

Operator: 615



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-117107/1-A
 Matrix: Solid Lab File ID: vr475493.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.00(g) Date Analyzed: 06/24/2012 17:31
 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.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	13	U	67	13
11104-28-2	Aroclor 1221	20	U	67	20
11141-16-5	Aroclor 1232	38	U	67	38
53469-21-9	Aroclor 1242	13	U	67	13
12672-29-6	Aroclor 1248	18	U	67	18
11097-69-1	Aroclor 1254	23	U	67	23
11096-82-5	Aroclor 1260	7.5	U	67	7.5
37324-23-5	Aroclor 1262	12	U	67	12
11100-14-4	Aroclor 1268	12	U	67	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	127		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/vr475493.d
Lab Smp Id: MB 460-117107/1-a
Inj Date : 24-JUN-2012 17:31
Operator : 615
Smp Info : MB 460-117107/1-a
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/08Vr8082.m
Meth Date : 25-Jun-2012 08:28 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vr475170.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i

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						
10.679	10.678	0.001	20263333	63.2872	42 80.00- 120.00	100.00

Data File: vr475493.d

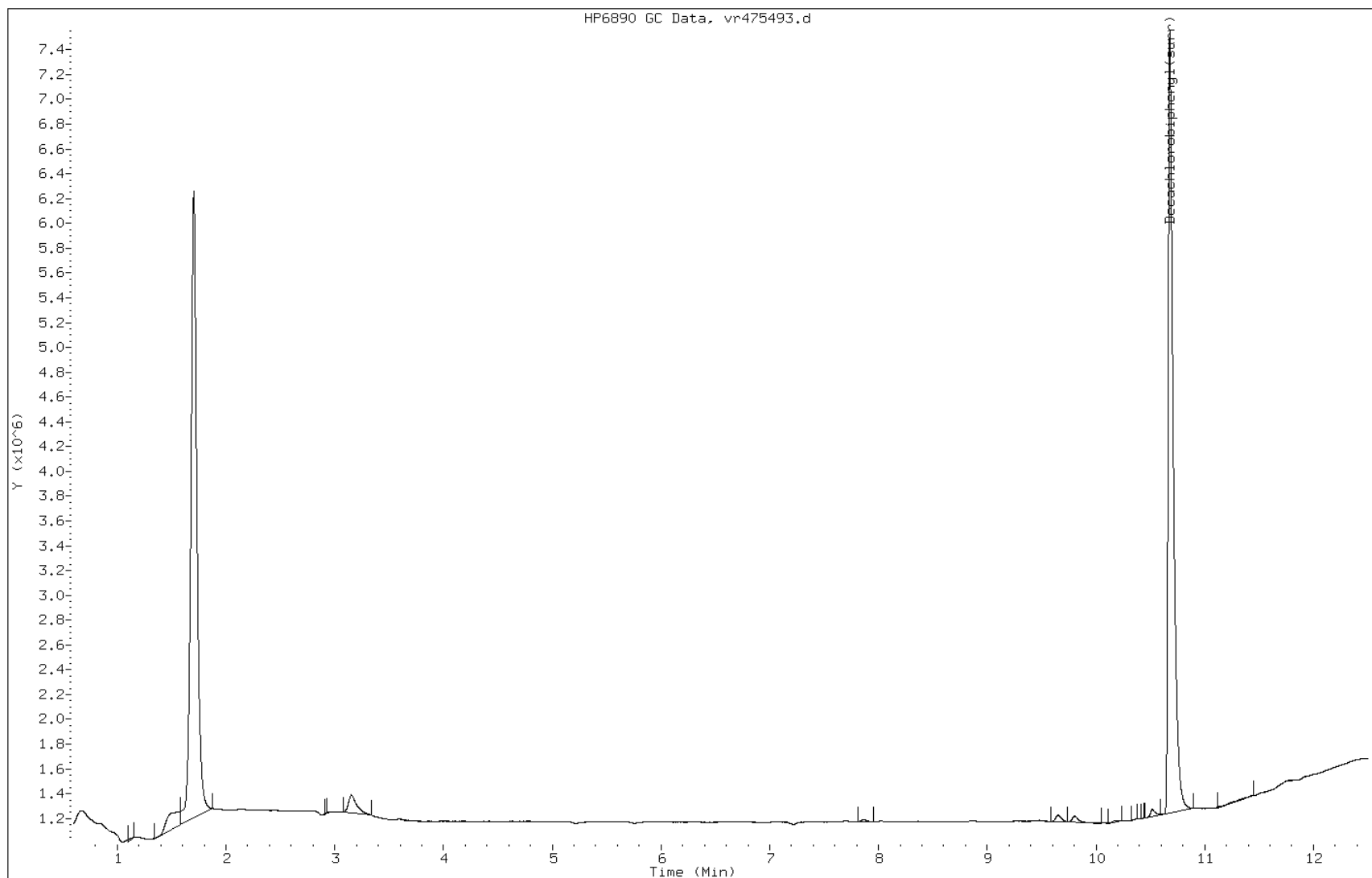
Date: 24-JUN-2012 17:31

Client ID:

Instrument: PESTGC9.i

Sample Info: MB 460-117107/1-a

Operator: 615



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-117107/2-A
 Matrix: Solid Lab File ID: vf475494.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.00(g) Date Analyzed: 06/24/2012 17:47
 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.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	348		67	13
11104-28-2	Aroclor 1221	20	U	67	20
11141-16-5	Aroclor 1232	38	U	67	38
53469-21-9	Aroclor 1242	13	U	67	13
12672-29-6	Aroclor 1248	18	U	67	18
11097-69-1	Aroclor 1254	23	U	67	23
11096-82-5	Aroclor 1260	355		67	7.5
37324-23-5	Aroclor 1262	12	U	67	12
11100-14-4	Aroclor 1268	12	U	67	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	127		30-150

Data File: vf475494.d
Report Date: 25-Jun-2012 09:02

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475494.d
Lab Smp Id: LCS 460-117107/2-a
Inj Date : 24-JUN-2012 17:47
Operator : 615
Smp Info : LCS 460-117107/2-a
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
Meth Date : 25-Jun-2012 09:00 selbyc
Cal Date : 17-JUN-2012 16:26
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf475170.d
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.845	2.841	0.004	4221465	487.107	320	80.00-	120.00	100.00(M)
3.492	3.489	0.003	9361107	504.544	340	167.10-	250.66	221.75
3.932	3.931	0.001	3790772	493.306	330	71.61-	107.41	89.80
4.334	4.333	0.001	19674556	575.489	380	310.95-	466.42	466.06
4.579	4.578	0.001	8100325	543.474	360	135.86-	203.78	191.88
5.017	5.018	-0.001	5345624	541.606	360	83.21-	124.82	126.63
5.406	5.407	-0.001	5501567	511.331	340	98.64-	147.96	130.32
5.615	5.617	-0.002	5576863	520.014	350	109.30-	163.95	132.11
Average of Peak Concentrations =					350			

27 Aroclor-1260					CAS #: 11096-82-5			
7.596	7.599	-0.003	12860149	531.968	350	80.00-	120.00	100.00(M)
8.036	8.041	-0.005	14730833	525.605	350	92.28-	138.42	114.55

Data File: vf475494.d
 Report Date: 25-Jun-2012 09:02

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
8.857	8.862	-0.005	20254490	516.454	340	135.28-	202.92	157.50
9.110	9.114	-0.004	10026872	527.799	350	63.46-	95.19	77.97
9.253	9.258	-0.005	5528487	527.006	350	36.43-	54.65	42.99
9.762	9.766	-0.004	9177667	521.569	350	61.74-	92.61	71.37
10.565	10.568	-0.003	10130937	494.629	330	74.56-	111.84	78.78
11.057	11.061	-0.004	4475834	615.549	410	27.83-	41.75	34.80
Average of Peak Concentrations =					360			

\$ 30 Decachlorobiphenyl(surr)					CAS #:	2051-24-3		
11.504	11.508	-0.004	18856675	63.4603	42	80.00-	120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475494.d

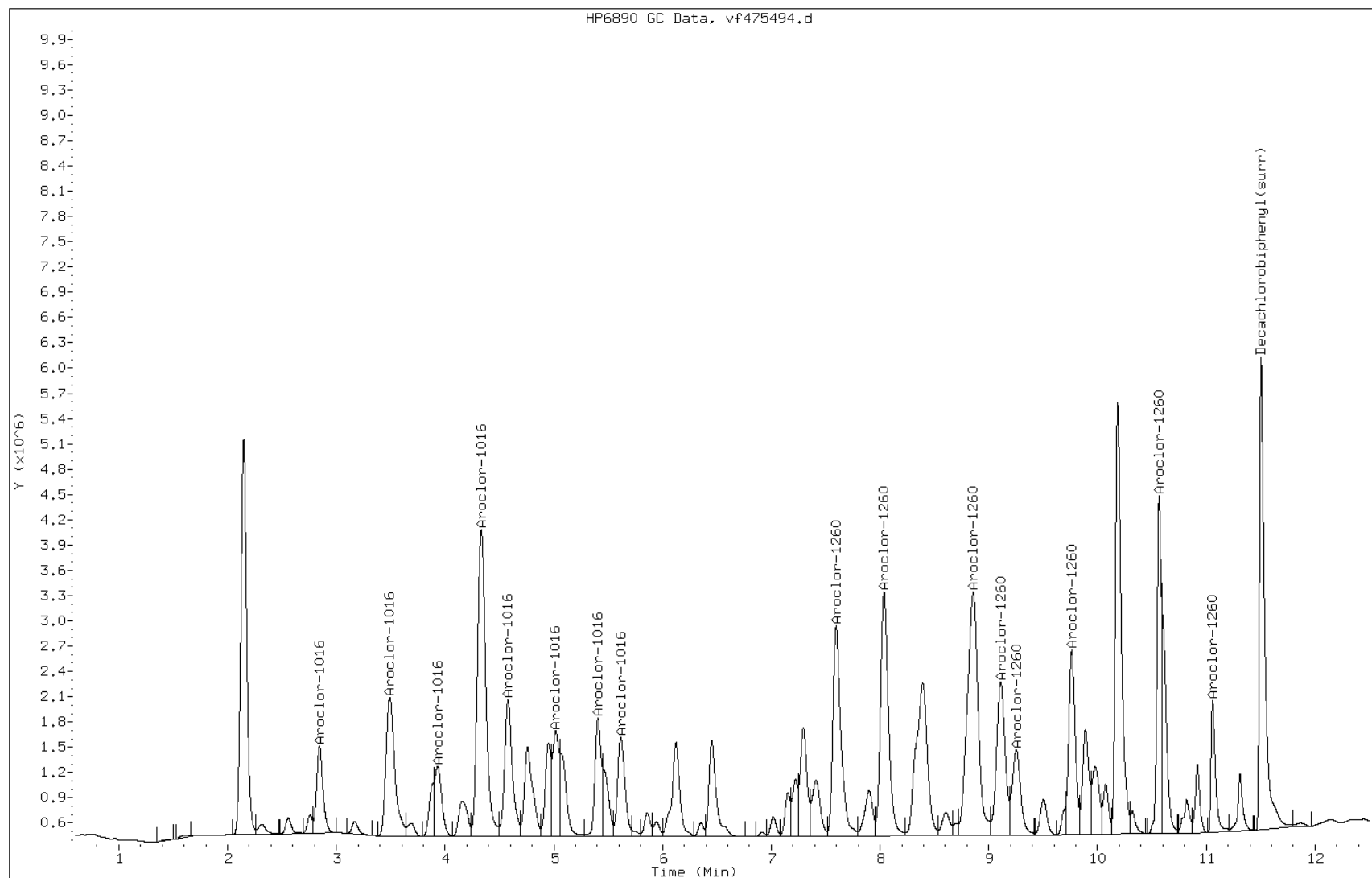
Date: 24-JUN-2012 17:47

Client ID:

Instrument: PESTGC9.i

Sample Info: LCS 460-117107/2-a

Operator: 615



Manual Integration Report

Data File: vf475494.d
Inj. Date and Time: 24-JUN-2012 17:47
Instrument ID: PESTGC9.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 06/25/2012

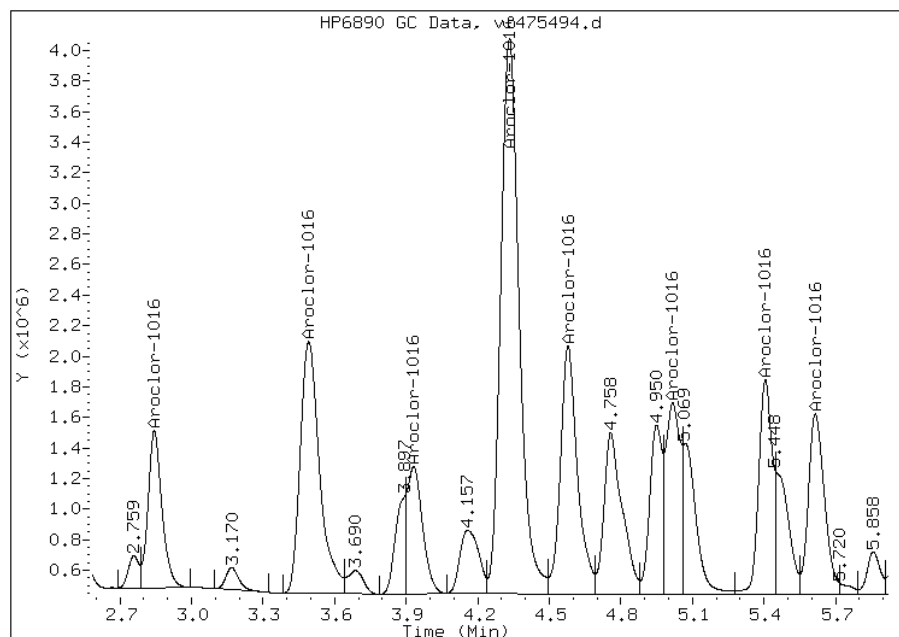
Processing Integration Results

Not Detected

Expected RT: 2.84

Manual Integration Results

RT: 2.84
Response: 4221465
Amount: 522.11
Conc: 350.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: vf475494.d
Inj. Date and Time: 24-JUN-2012 17:47
Instrument ID: PESTGC9.i
Client ID:
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 06/25/2012

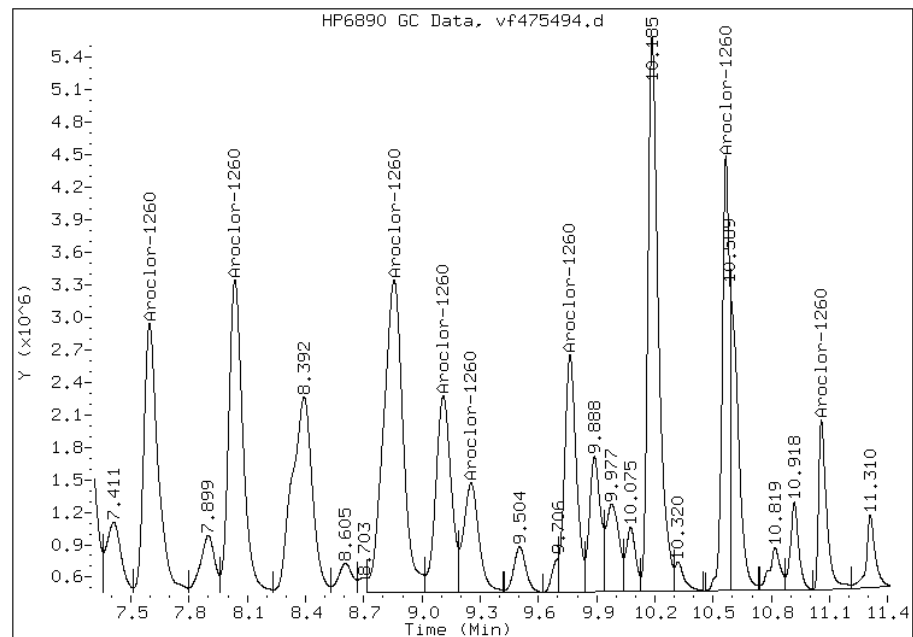
Processing Integration Results

Not Detected

Expected RT: 7.60

Manual Integration Results

RT: 7.60
Response: 12860149
Amount: 532.57
Conc: 360.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-117107/2-A
 Matrix: Solid Lab File ID: vr475494.d
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.00(g) Date Analyzed: 06/24/2012 17:47
 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.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	380		67	13
11104-28-2	Aroclor 1221	20	U	67	20
11141-16-5	Aroclor 1232	38	U	67	38
53469-21-9	Aroclor 1242	13	U	67	13
12672-29-6	Aroclor 1248	18	U	67	18
11097-69-1	Aroclor 1254	23	U	67	23
11096-82-5	Aroclor 1260	378		67	7.5
37324-23-5	Aroclor 1262	12	U	67	12
11100-14-4	Aroclor 1268	12	U	67	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	112		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/vr475494.d
Lab Smp Id: LCS 460-117107/2-a
Inj Date : 24-JUN-2012 17:47
Operator : 615
Smp Info : LCS 460-117107/2-a
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/08Vr8082.m
Meth Date : 25-Jun-2012 08:28 selbyc
Cal Date : 17-JUN-2012 16:26
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr475170.d
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.144	2.131	0.013	5427545	636.861	420	80.00-	120.00	100.00(M)
2.593	2.581	0.012	8841913	580.268	390	147.59-	221.39	162.91
2.844	2.833	0.011	5514869	556.253	370	97.22-	145.83	101.61
3.202	3.191	0.011	20584044	606.110	400	332.18-	498.27	379.25
3.416	3.405	0.011	7161671	582.945	390	125.27-	187.91	131.95
3.777	3.769	0.008	6923311	544.486	360	129.82-	194.74	127.56
4.138	4.130	0.008	6533923	517.782	340	124.36-	186.53	120.38
4.282	4.275	0.007	2773809	531.188	350	52.76-	79.15	51.11
Average of Peak Concentrations =					380			

27 Aroclor-1260					CAS #: 11096-82-5			
6.164	6.160	0.004	11321072	564.767	380	80.00-	120.00	100.00(M)

			CONCENTRATIONS						
			ON-COL	FINAL					
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.614	6.610	0.004	21583854	565.703	380	153.13-	229.70	190.65	
7.060	7.059	0.001	19115663	565.885	380	138.74-	208.11	168.85	
7.266	7.264	0.002	10356323	572.148	380	74.96-	112.44	91.48	
7.715	7.711	0.004	9189799	566.943	380	66.41-	99.61	81.17	
9.032	9.030	0.002	11027610	559.373	370	83.24-	124.86	97.41	
9.259	9.258	0.001	6636415	575.735	380	49.56-	74.34	58.62	
10.223	10.223	0.000	5294765	561.224	370	39.75-	59.63	46.77	
Average of Peak Concentrations =					380				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.678	10.678	0.000	17889026	55.8717	37	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475494.d

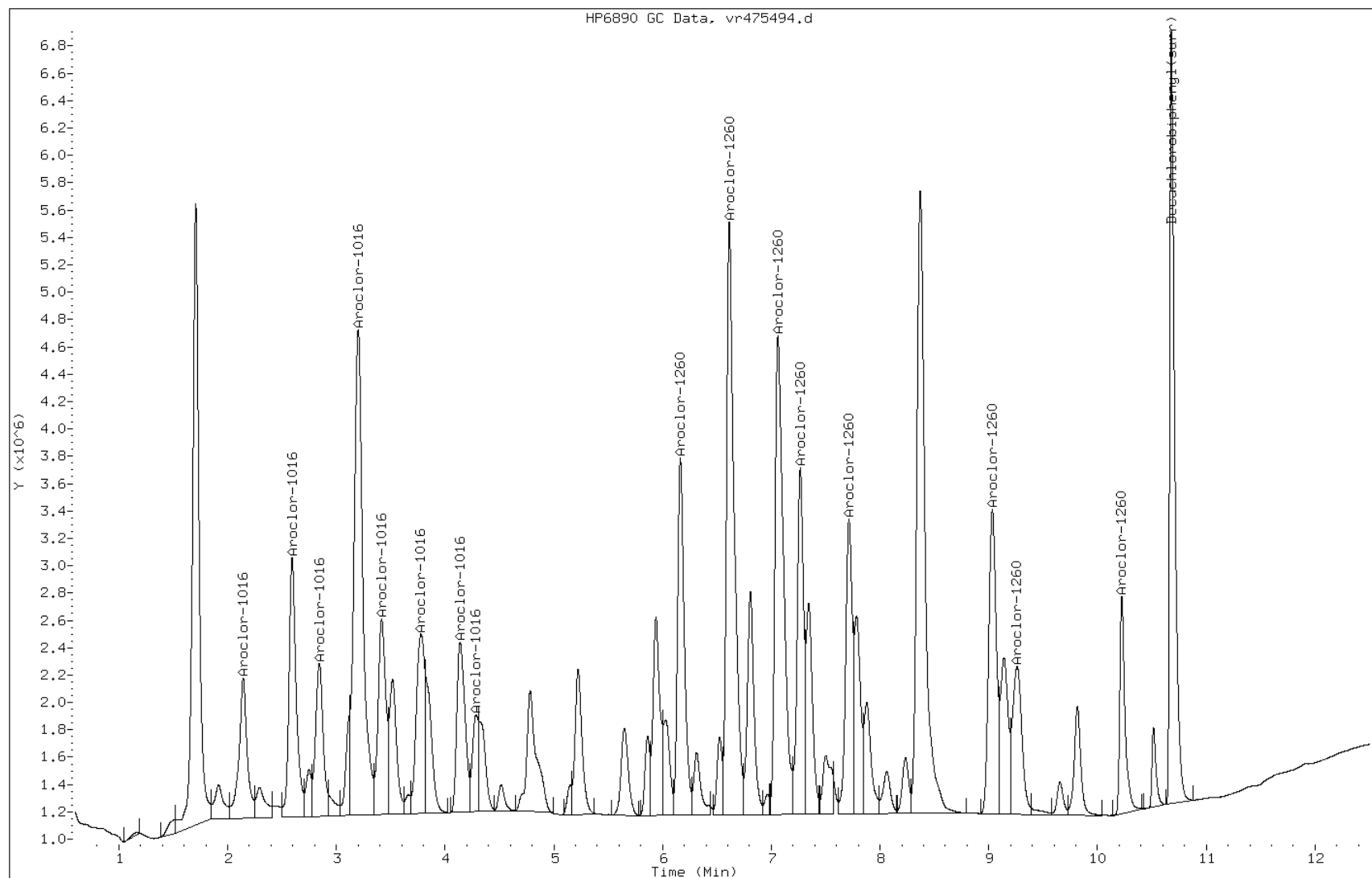
Date: 24-JUN-2012 17:47

Client ID:

Instrument: PESTGC9.i

Sample Info: LCS 460-117107/2-a

Operator: 615



Manual Integration Report

Data File: vr475494.d
Inj. Date and Time: 24-JUN-2012 17:47
Instrument ID: PESTGC9.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 06/25/2012

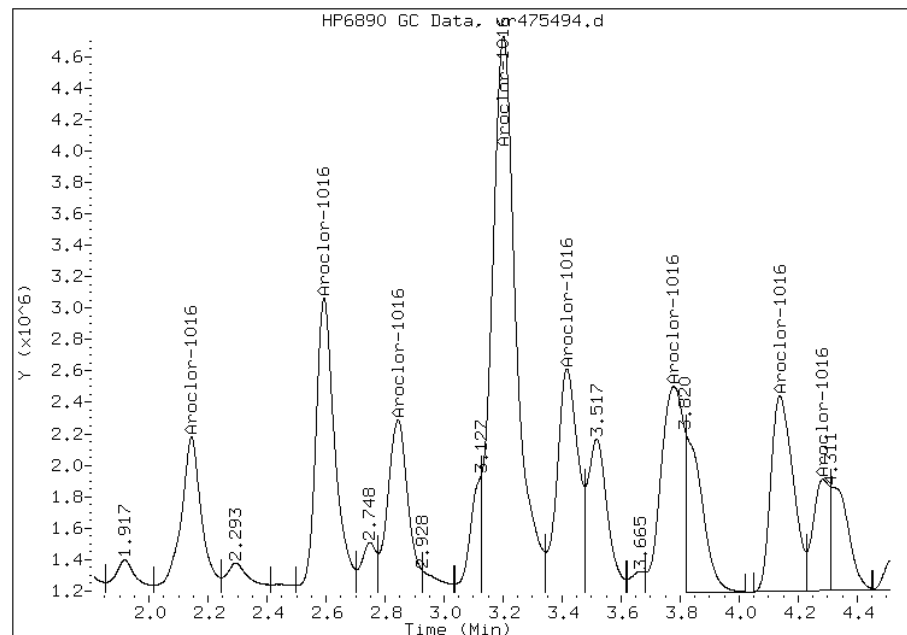
Processing Integration Results

Not Detected

Expected RT: 2.13

Manual Integration Results

RT: 2.14
Response: 5427545
Amount: 569.49
Conc: 380.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: vr475494.d
Inj. Date and Time: 24-JUN-2012 17:47
Instrument ID: PESTGC9.i
Client ID:
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 06/25/2012

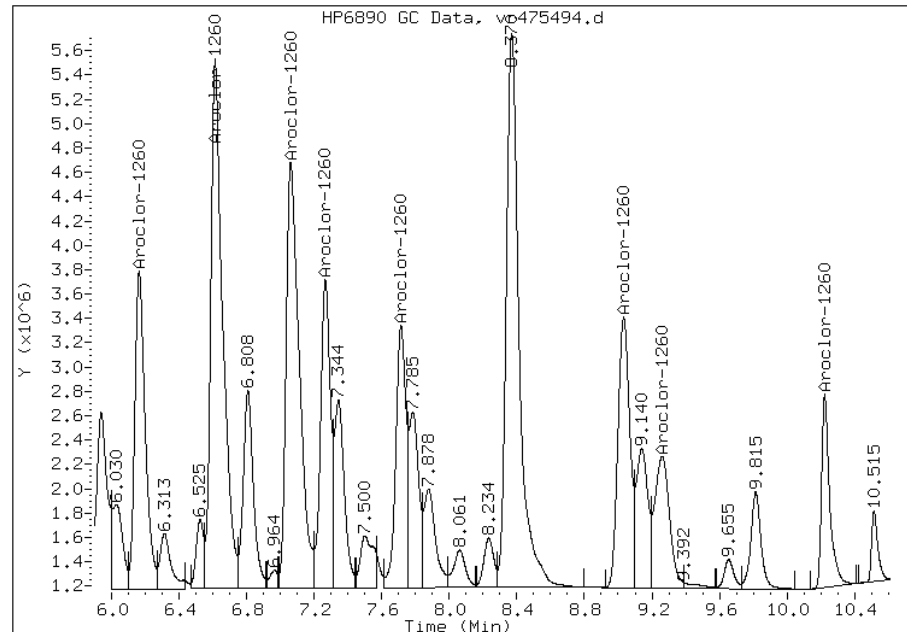
Processing Integration Results

Not Detected

Expected RT: 6.16

Manual Integration Results

RT: 6.16
Response: 11321072
Amount: 566.47
Conc: 380.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-12 MS Lab Sample ID: 460-41546-21 MS
 Matrix: Solid Lab File ID: vf475495.d
 Analysis Method: 8082 Date Collected: 06/20/2012 15:10
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.05(g) Date Analyzed: 06/24/2012 18:03
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: 7.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	375		72	14
11104-28-2	Aroclor 1221	22	U	72	22
11141-16-5	Aroclor 1232	41	U	72	41
53469-21-9	Aroclor 1242	14	U	72	14
12672-29-6	Aroclor 1248	19	U	72	19
11097-69-1	Aroclor 1254	25	U	72	25
11096-82-5	Aroclor 1260	403		72	8.0
37324-23-5	Aroclor 1262	12	U	72	12
11100-14-4	Aroclor 1268	12	U	72	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	133		30-150

Data File: vf475495.d
 Report Date: 25-Jun-2012 09:04

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475495.d
 Lab Smp Id: 460-41546-D-21-D ms
 Inj Date : 24-JUN-2012 18:03
 Operator : 615
 Smp Info : 460-41546-D-21-D ms
 Misc Info :
 Comment :
 Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
 Meth Date : 25-Jun-2012 09:00 selbyc
 Cal Date : 17-JUN-2012 16:26
 Als bottle: 24
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 3.50
 Processing Host: hpd3

Inst ID: PESTGC9.i
 Quant Type: ESTD
 Cal File: vf475170.d
 Compound Sublist: AllPCB.sub
 Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL	FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.839	2.841	-0.002	4232238	488.350	320	80.00-	120.00	100.00(M)
3.486	3.489	-0.003	9615214	518.240	340	167.10-	250.66	227.19
3.927	3.931	-0.004	3769965	490.598	330	71.61-	107.41	89.08
4.328	4.333	-0.005	18522951	541.804	360	310.95-	466.42	437.66
4.574	4.578	-0.004	7956674	533.836	360	135.86-	203.78	188.00
5.014	5.018	-0.004	5298919	536.874	360	83.21-	124.82	125.20
5.401	5.407	-0.006	5809667	539.967	360	98.64-	147.96	137.27
5.612	5.617	-0.005	5707964	532.238	350	109.30-	163.95	134.87
Average of Peak Concentrations =					350			

27 Aroclor-1260					CAS #: 11096-82-5			
7.592	7.599	-0.007	13438009	555.872	370	80.00-	120.00	100.00(M)

Data File: vf475495.d
 Report Date: 25-Jun-2012 09:04

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
8.032	8.041	-0.009	15307121	546.167	360	92.28-	138.42	113.91
8.852	8.862	-0.010	21333513	543.967	360	135.28-	202.92	158.76
9.105	9.114	-0.009	10525786	554.061	370	63.46-	95.19	78.33
9.248	9.258	-0.010	5608806	534.662	360	36.43-	54.65	41.74
9.759	9.766	-0.007	9953696	565.671	380	61.74-	92.61	74.07
10.564	10.568	-0.004	11451656	559.112	370	74.56-	111.84	85.22
11.056	11.061	-0.005	4629694	636.708	420	27.83-	41.75	34.45
Average of Peak Concentrations =					370			

\$ 30 Decachlorobiphenyl(surr)					CAS #:	2051-24-3		
11.502	11.508	-0.006	19773832	66.5469	44	80.00-	120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475495.d

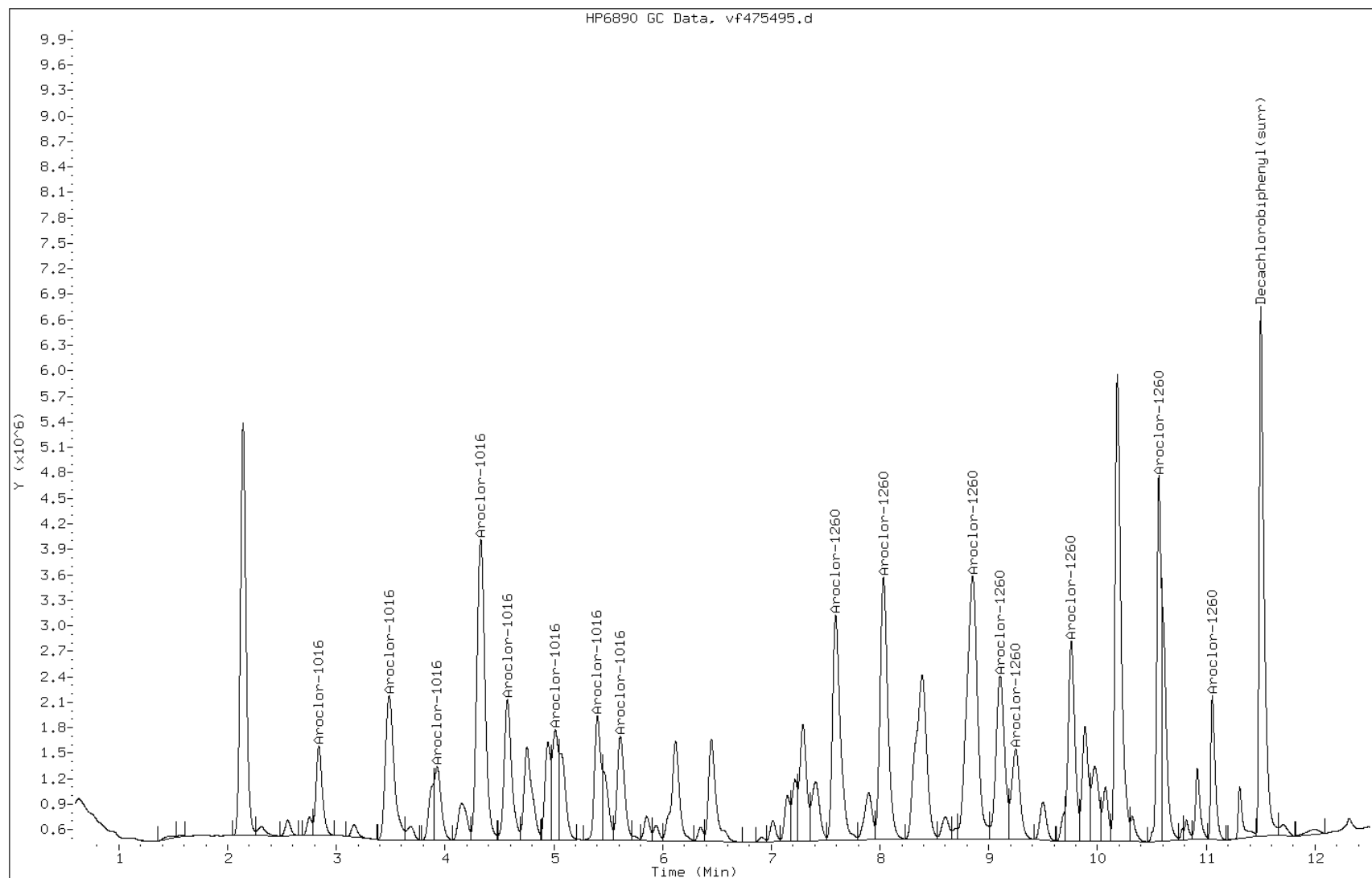
Date: 24-JUN-2012 18:03

Client ID:

Instrument: PESTGC9.i

Sample Info: 460-41546-D-21-D ms

Operator: 615



Manual Integration Report

Data File: vf475495.d
Inj. Date and Time: 24-JUN-2012 18:03
Instrument ID: PESTGC9.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 06/25/2012

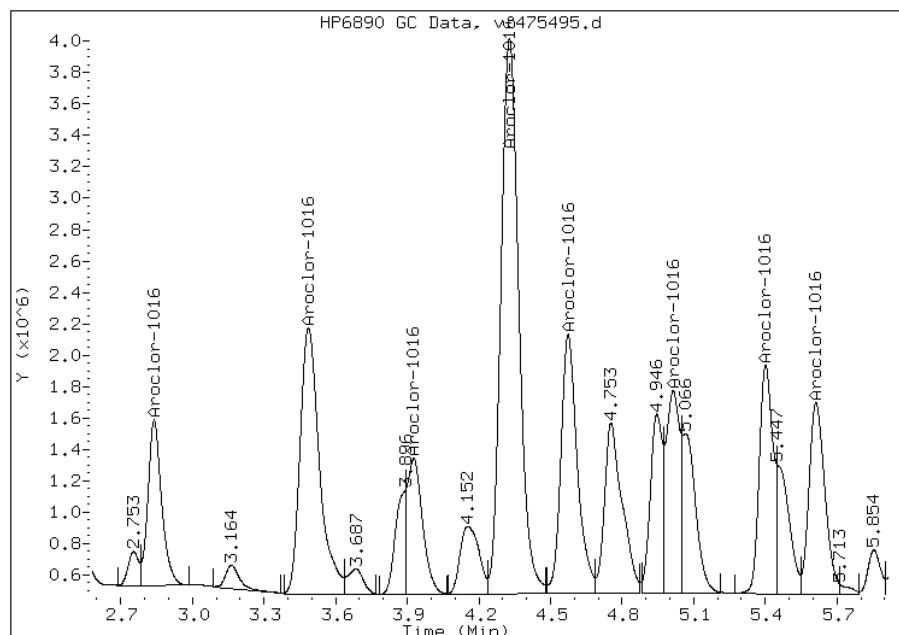
Processing Integration Results

Not Detected

Expected RT: 2.84

Manual Integration Results

RT: 2.84
Response: 4232238
Amount: 522.74
Conc: 350.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: vf475495.d
Inj. Date and Time: 24-JUN-2012 18:03
Instrument ID: PESTGC9.i
Client ID:
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 06/25/2012

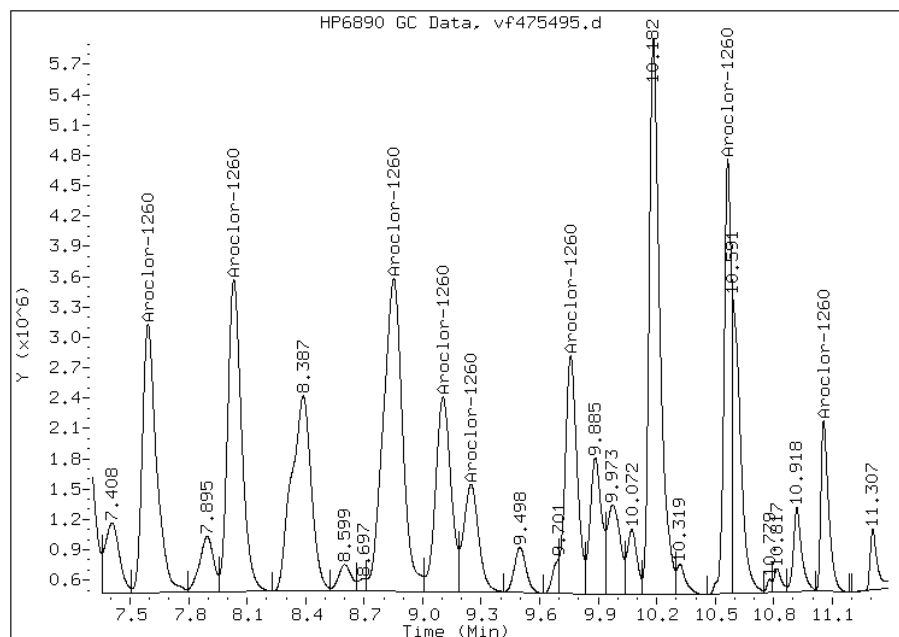
Processing Integration Results

Not Detected

Expected RT: 7.60

Manual Integration Results

RT: 7.59
Response: 13438009
Amount: 562.03
Conc: 370.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-12 MS Lab Sample ID: 460-41546-21 MS
 Matrix: Solid Lab File ID: vr475495.d
 Analysis Method: 8082 Date Collected: 06/20/2012 15:10
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.05(g) Date Analyzed: 06/24/2012 18:03
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 7.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	387		72	14
11104-28-2	Aroclor 1221	22	U	72	22
11141-16-5	Aroclor 1232	41	U	72	41
53469-21-9	Aroclor 1242	14	U	72	14
12672-29-6	Aroclor 1248	19	U	72	19
11097-69-1	Aroclor 1254	25	U	72	25
11096-82-5	Aroclor 1260	434		72	8.0
37324-23-5	Aroclor 1262	12	U	72	12
11100-14-4	Aroclor 1268	12	U	72	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	124		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/vr475495.d
Lab Smp Id: 460-41546-D-21-D ms
Inj Date : 24-JUN-2012 18:03
Operator : 615
Smp Info : 460-41546-D-21-D ms
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/08Vr8082.m
Meth Date : 25-Jun-2012 08:28 selbyc Quant Type: ESTD
Cal Date : 17-JUN-2012 16:26 Cal File: vr475170.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.138	2.131	0.007	4510941	529.308	350	80.00-	120.00	100.00(M)
2.588	2.581	0.007	7952537	521.901	350	147.59-	221.39	176.29
2.839	2.833	0.006	4900218	494.257	330	97.22-	145.83	108.63
3.197	3.191	0.006	19012478	559.835	370	332.18-	498.27	421.47
3.411	3.405	0.006	6783478	552.160	370	125.27-	187.91	150.38
3.774	3.769	0.005	7407104	582.534	390	129.82-	194.74	164.20
4.132	4.130	0.002	6881459	545.322	360	124.36-	186.53	152.55
4.279	4.275	0.004	2769050	530.277	350	52.76-	79.15	61.39
Average of Peak Concentrations =					360			

27 Aroclor-1260					CAS #: 11096-82-5			
6.160	6.160	0.000	11984279	597.852	400	80.00-	120.00	100.00(M)

			CONCENTRATIONS						
			ON-COL	FINAL					
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.610	6.610	0.000	22989170	602.536	400	153.13-	229.70	191.83	
7.057	7.059	-0.002	20505734	607.036	400	138.74-	208.11	171.11	
7.262	7.264	-0.002	11127066	614.728	410	74.96-	112.44	92.85	
7.710	7.711	-0.001	9847810	607.538	400	66.41-	99.61	82.17	
9.027	9.030	-0.003	11898239	603.535	400	83.24-	124.86	99.28	
9.256	9.258	-0.002	6960279	603.832	400	49.56-	74.34	58.08	
10.221	10.223	-0.002	5740588	608.479	400	39.75-	59.63	47.90	
Average of Peak Concentrations =					400				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.677	10.678	-0.001	19904093	62.1652	41	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475495.d

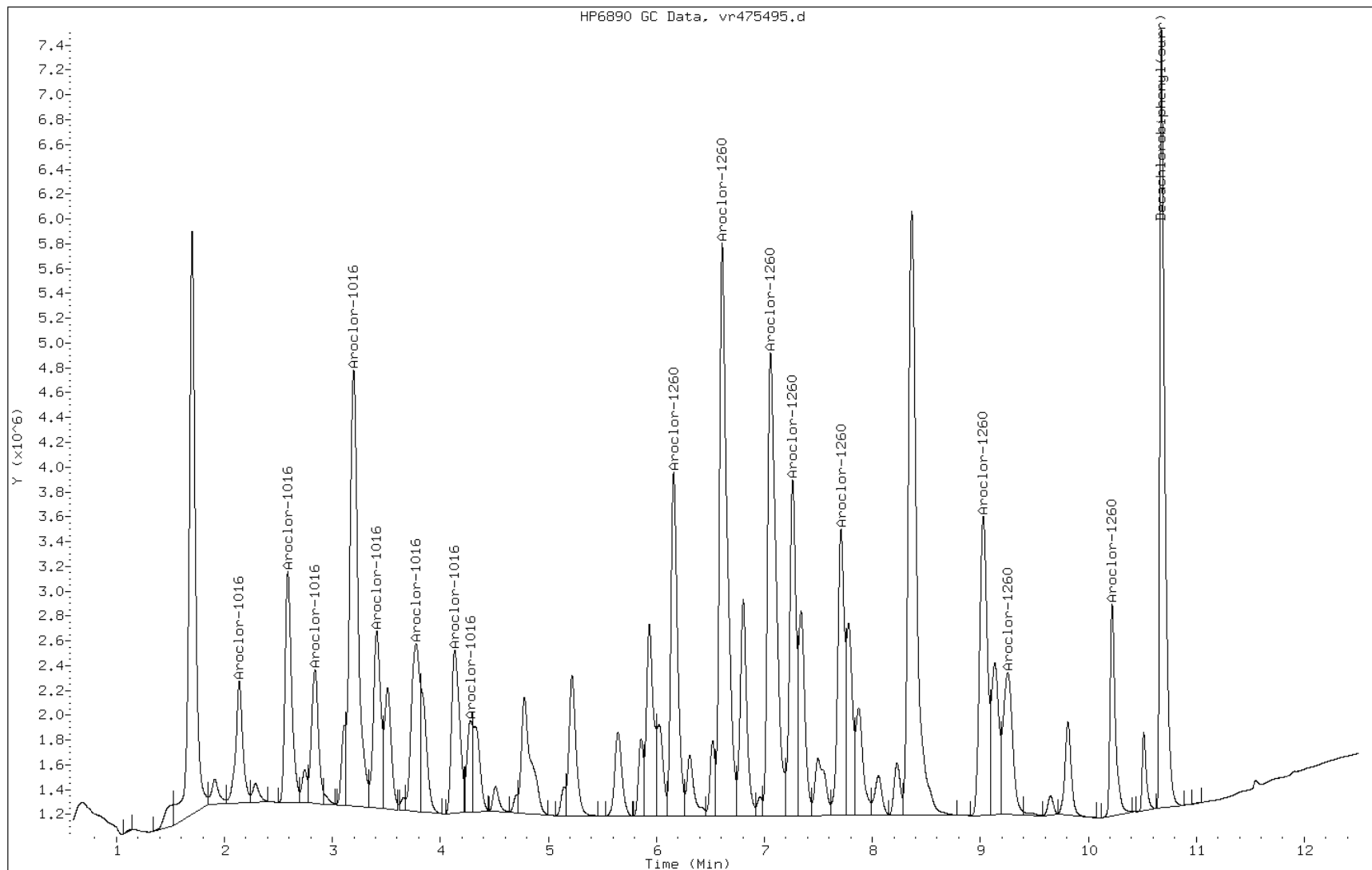
Date: 24-JUN-2012 18:03

Client ID:

Instrument: PESTGC9.i

Sample Info: 460-41546-D-21-D ms

Operator: 615



Manual Integration Report

Data File: vr475495.d
Inj. Date and Time: 24-JUN-2012 18:03
Instrument ID: PESTGC9.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 06/25/2012

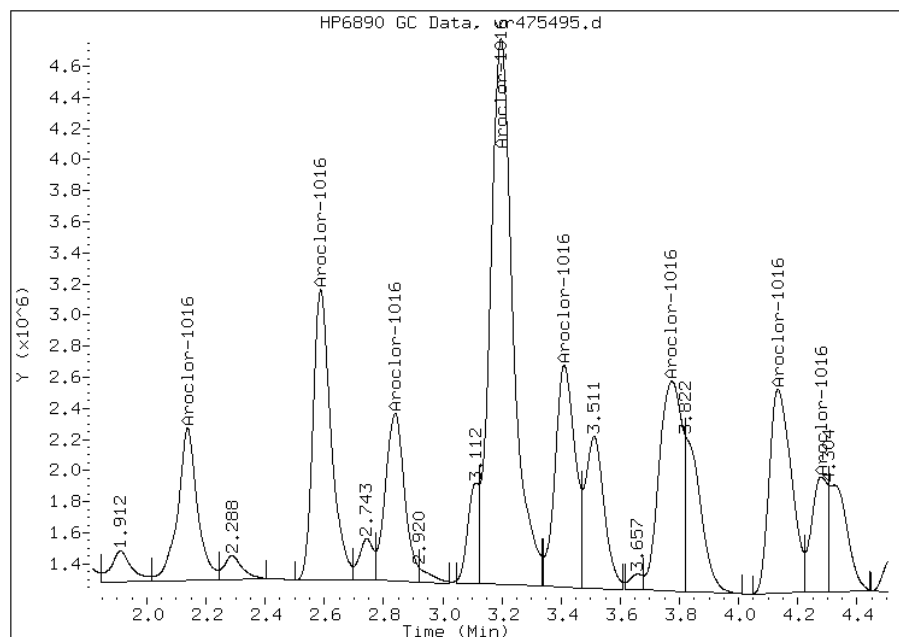
Processing Integration Results

Not Detected

Expected RT: 2.13

Manual Integration Results

RT: 2.14
Response: 4510941
Amount: 539.45
Conc: 360.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: vr475495.d
Inj. Date and Time: 24-JUN-2012 18:03
Instrument ID: PESTGC9.i
Client ID:
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 06/25/2012

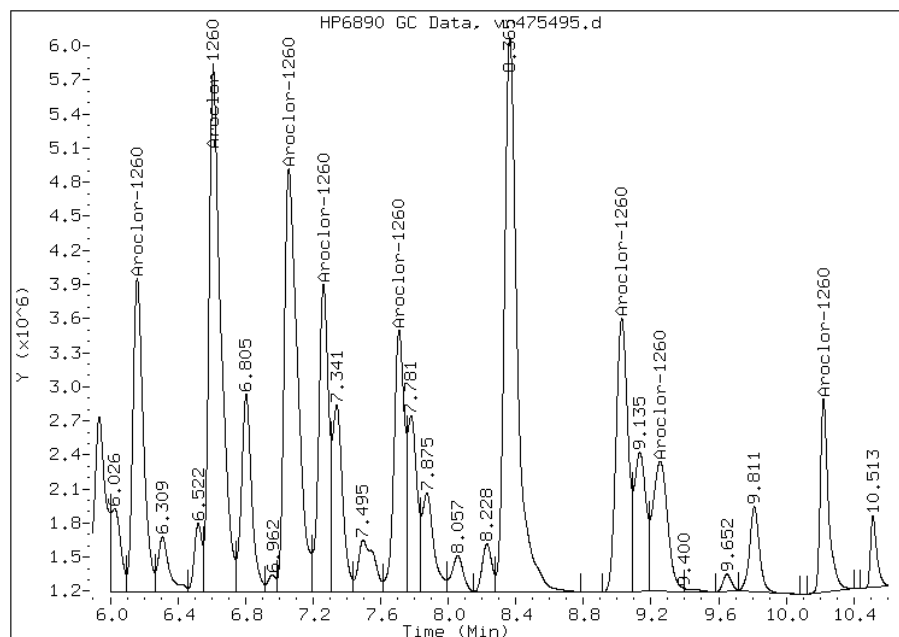
Processing Integration Results

Not Detected

Expected RT: 6.16

Manual Integration Results

RT: 6.16
Response: 11984279
Amount: 605.69
Conc: 400.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-12 MSD Lab Sample ID: 460-41546-21 MSD
 Matrix: Solid Lab File ID: vf475496.d
 Analysis Method: 8082 Date Collected: 06/20/2012 15:10
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.00(g) Date Analyzed: 06/24/2012 18:19
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: 7.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	350		72	14
11104-28-2	Aroclor 1221	22	U	72	22
11141-16-5	Aroclor 1232	41	U	72	41
53469-21-9	Aroclor 1242	14	U	72	14
12672-29-6	Aroclor 1248	19	U	72	19
11097-69-1	Aroclor 1254	25	U	72	25
11096-82-5	Aroclor 1260	415		72	8.1
37324-23-5	Aroclor 1262	12	U	72	12
11100-14-4	Aroclor 1268	12	U	72	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	145		30-150

Data File: vf475496.d
Report Date: 25-Jun-2012 09:05

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/vf475496.d
Lab Smp Id: 460-41546-D-21-Emsd
Inj Date : 24-JUN-2012 18:19
Operator : 615
Smp Info : 460-41546-D-21-E msd
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/front/June12/06-24-12/24jun12b.b/08Vf8082.m
Meth Date : 25-Jun-2012 09:00 selbyc
Cal Date : 17-JUN-2012 16:26
Als bottle: 25
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3
Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vf475170.d
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.841	2.841	0.000	3820063	440.790	290	80.00-	120.00	100.00(M)
3.488	3.489	-0.001	8509099	458.623	300	167.10-	250.66	222.75
3.929	3.931	-0.002	3674551	478.181	320	71.61-	107.41	96.19
4.330	4.333	-0.003	17085840	499.768	330	310.95-	466.42	447.27
4.575	4.578	-0.003	7325990	491.521	330	135.86-	203.78	191.78
5.014	5.018	-0.004	4872696	493.690	330	83.21-	124.82	127.56
5.402	5.407	-0.005	5581675	518.776	340	98.64-	147.96	146.11
5.613	5.617	-0.004	5472037	510.239	340	109.30-	163.95	143.24
Average of Peak Concentrations =					320			

27 Aroclor-1260					CAS #: 11096-82-5			
7.593	7.599	-0.006	13443095	556.082	370	80.00-	120.00	100.00(M)

Data File: vf475496.d
 Report Date: 25-Jun-2012 09:05

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
27 Aroclor-1260 (continued)								
8.033	8.041	-0.008	15510545	553.425	370	92.28-	138.42	115.38
8.853	8.862	-0.009	21618715	551.240	370	135.28-	202.92	160.82
9.104	9.114	-0.010	10692755	562.850	380	63.46-	95.19	79.54
9.249	9.258	-0.009	5720074	545.269	360	36.43-	54.65	42.55
9.759	9.766	-0.007	9990985	567.790	380	61.74-	92.61	74.32
10.564	10.568	-0.004	11281721	550.815	370	74.56-	111.84	83.92
11.057	11.061	-0.004	5314866	730.938	490	27.83-	41.75	39.54
Average of Peak Concentrations =					380			

\$ 30 Decachlorobiphenyl(surr)					CAS #:	2051-24-3		
11.504	11.508	-0.004	21596352	72.6804	48	80.00-	120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File: vf475496.d

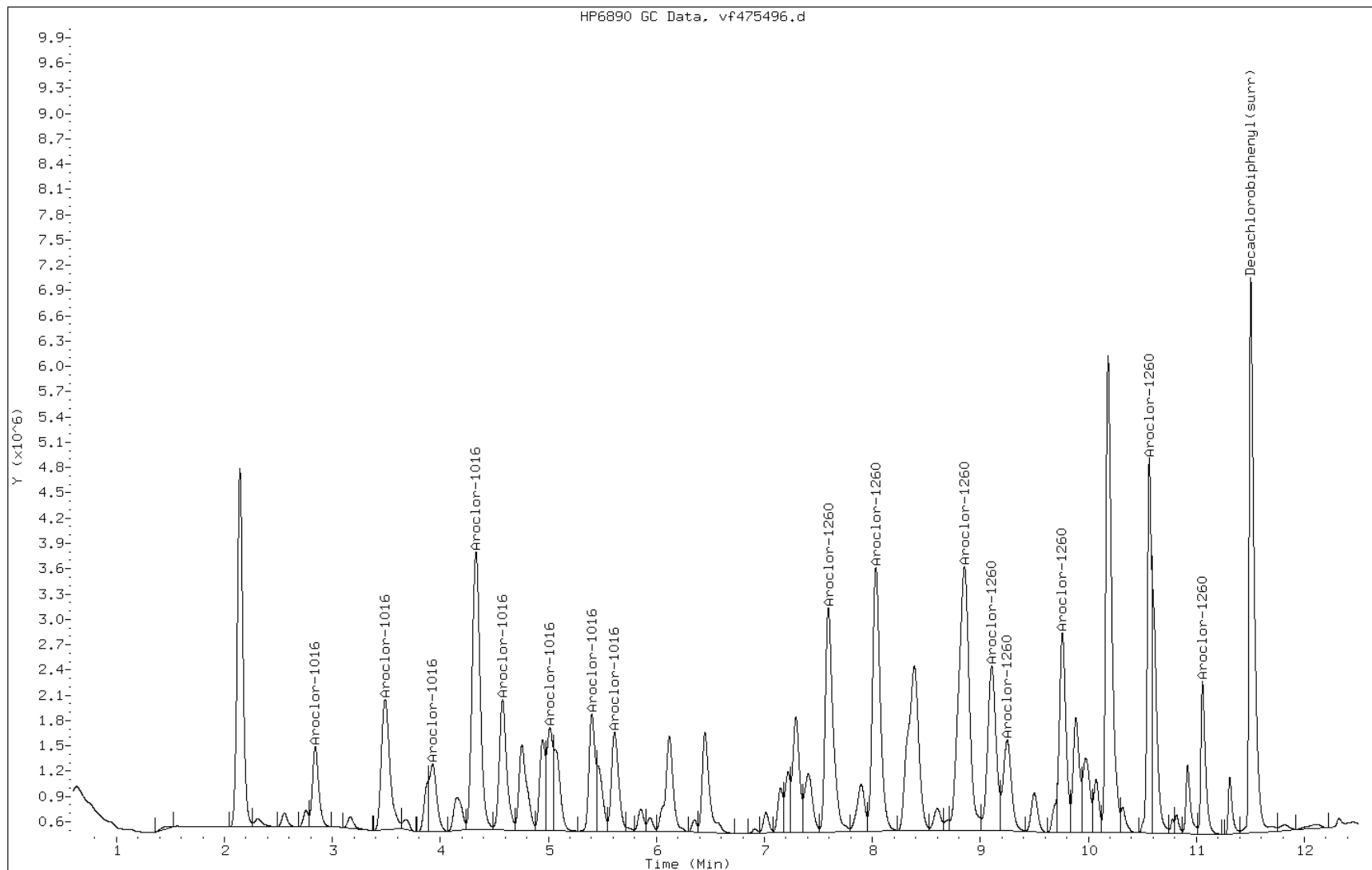
Date: 24-JUN-2012 18:19

Client ID:

Instrument: PESTGC9.i

Sample Info: 460-41546-D-21-E msd

Operator: 615



Manual Integration Report

Data File: vf475496.d
Inj. Date and Time: 24-JUN-2012 18:19
Instrument ID: PESTGC9.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 06/25/2012

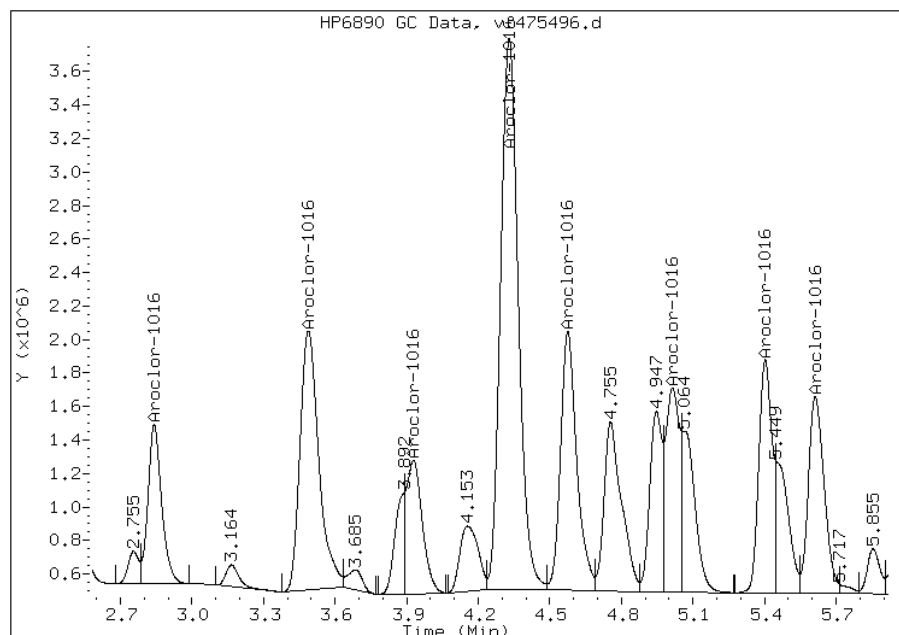
Processing Integration Results

Not Detected

Expected RT: 2.84

Manual Integration Results

RT: 2.84
Response: 3820063
Amount: 486.45
Conc: 320.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: vf475496.d
Inj. Date and Time: 24-JUN-2012 18:19
Instrument ID: PESTGC9.i
Client ID:
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 06/25/2012

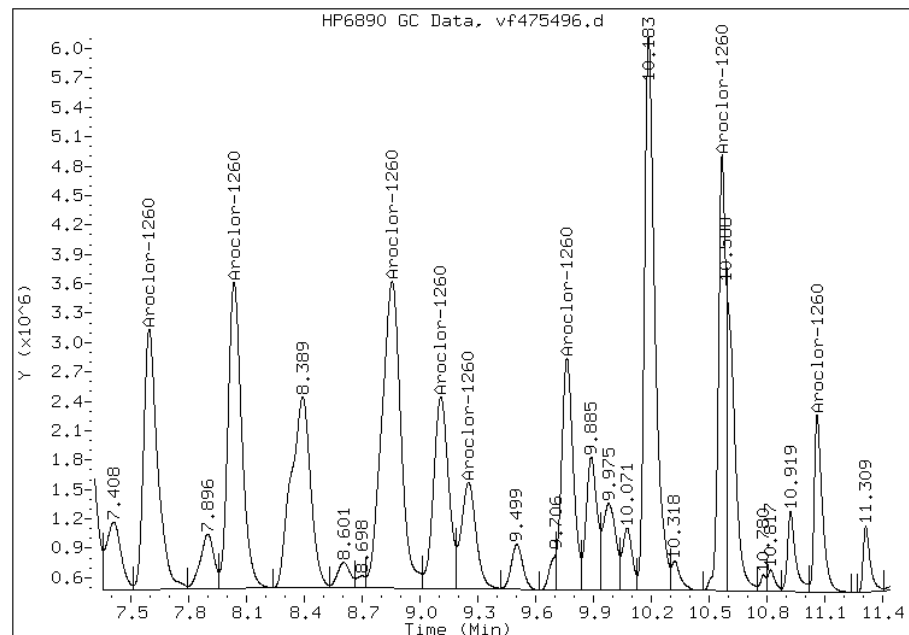
Processing Integration Results

Not Detected

Expected RT: 7.60

Manual Integration Results

RT: 7.59
Response: 13443095
Amount: 577.30
Conc: 380.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Client Sample ID: F-12 MSD Lab Sample ID: 460-41546-21 MSD
 Matrix: Solid Lab File ID: vr475496.d
 Analysis Method: 8082 Date Collected: 06/20/2012 15:10
 Extraction Method: 3541 Date Extracted: 06/22/2012 08:50
 Sample wt/vol: 15.00(g) Date Analyzed: 06/24/2012 18:19
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: _____ GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: 7.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 117335 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	354		72	14
11104-28-2	Aroclor 1221	22	U	72	22
11141-16-5	Aroclor 1232	41	U	72	41
53469-21-9	Aroclor 1242	14	U	72	14
12672-29-6	Aroclor 1248	19	U	72	19
11097-69-1	Aroclor 1254	25	U	72	25
11096-82-5	Aroclor 1260	443		72	8.1
37324-23-5	Aroclor 1262	12	U	72	12
11100-14-4	Aroclor 1268	12	U	72	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	132		30-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/vr475496.d
Lab Smp Id: 460-41546-D-21-Emsd
Inj Date : 24-JUN-2012 18:19
Operator : 615
Smp Info : 460-41546-D-21-E msd
Misc Info :
Comment :
Method : /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b/08Vr8082.m
Meth Date : 25-Jun-2012 08:28 selbyc
Cal Date : 17-JUN-2012 16:26
Als bottle: 25
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.50
Processing Host: hpd3

Inst ID: PESTGC9.i
Quant Type: ESTD
Cal File: vr475170.d
Compound Sublist: AllPCB.sub
Sample Matrix: SOIL

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

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

Cpnd Variable Local Compound Variable

			CONCENTRATIONS					
			ON-COL		FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
21 Aroclor-1016					CAS #: 12674-11-2			
2.139	2.131	0.008	3978592	466.843	310	80.00-	120.00	100.00(M)
2.590	2.581	0.009	7340546	481.738	320	147.59-	221.39	184.50
2.840	2.833	0.007	4440075	447.845	300	97.22-	145.83	111.60
3.200	3.191	0.009	17764662	523.092	350	332.18-	498.27	446.51
3.413	3.405	0.008	6319840	514.421	340	125.27-	187.91	158.85
3.775	3.769	0.006	6414893	504.501	340	129.82-	194.74	161.24
4.135	4.130	0.005	6449422	511.086	340	124.36-	186.53	162.10
4.282	4.275	0.007	2582597	494.571	330	52.76-	79.15	64.91
Average of Peak Concentrations =					330			

27 Aroclor-1260					CAS #: 11096-82-5			
6.161	6.160	0.001	11956266	596.454	400	80.00-	120.00	100.00(M)

CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/kg)	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
27 Aroclor-1260 (continued)									
6.611	6.610	0.001	23147658	606.690	400	153.13-	229.70	193.60	
7.059	7.059	0.000	20771068	614.890	410	138.74-	208.11	173.73	
7.264	7.264	0.000	11305991	624.613	420	74.96-	112.44	94.56	
7.710	7.711	-0.001	9973077	615.266	410	66.41-	99.61	83.41	
9.029	9.030	-0.001	12193899	618.532	410	83.24-	124.86	101.99	
9.255	9.258	-0.003	7138163	619.264	410	49.56-	74.34	59.70	
10.221	10.223	-0.002	5992278	635.157	420	39.75-	59.63	50.12	
Average of Peak Concentrations =					410				

\$ 30 Decachlorobiphenyl(surr)					CAS #: 2051-24-3				
10.677	10.678	-0.001	21150496	66.0580	44	80.00-	120.00	100.00	

QC Flag Legend

M - Compound response manually integrated.

Data File: vr475496.d

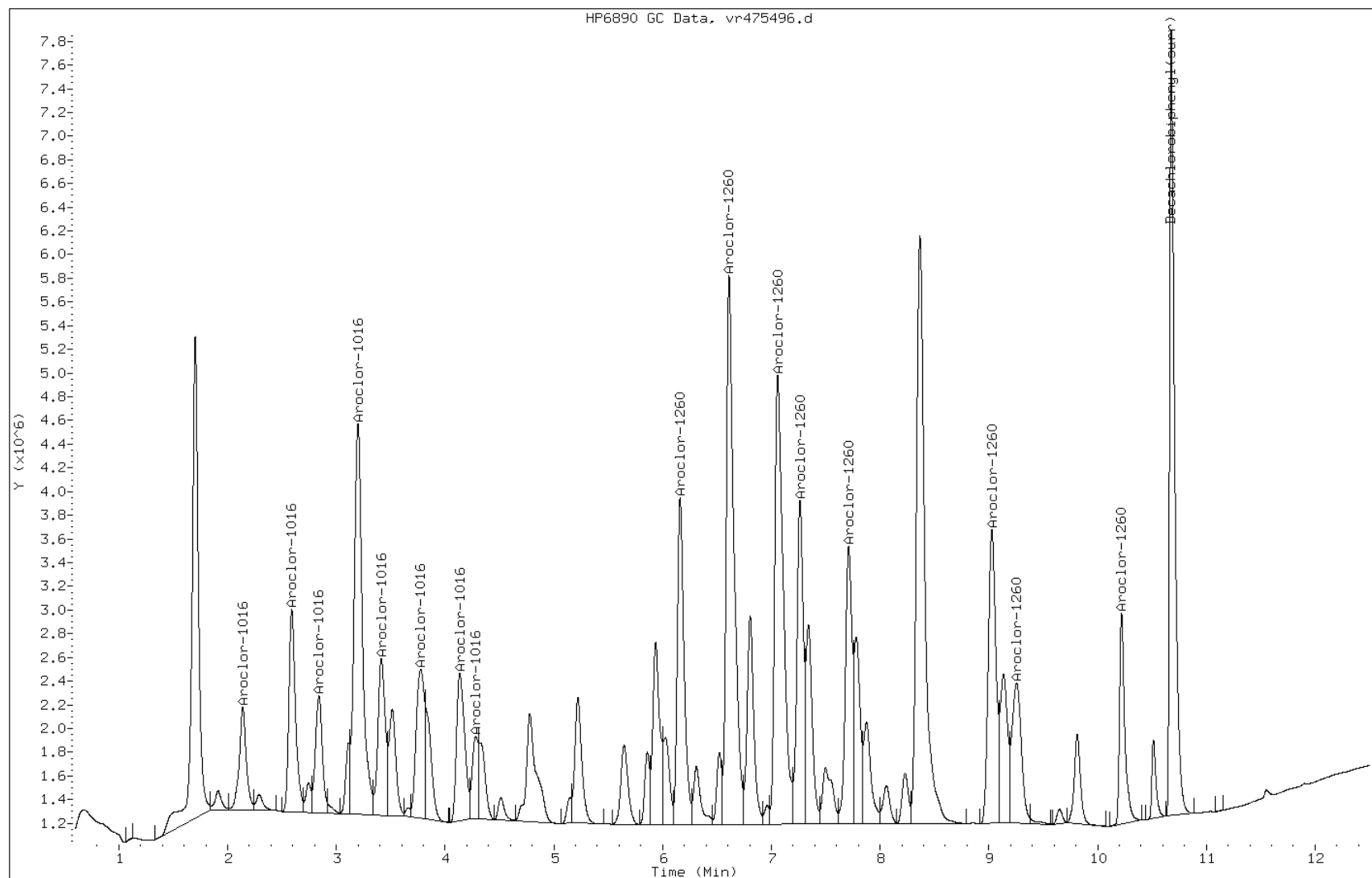
Date: 24-JUN-2012 18:19

Client ID:

Instrument: PESTGC9.i

Sample Info: 460-41546-D-21-E msd

Operator: 615



Manual Integration Report

Data File: vr475496.d
Inj. Date and Time: 24-JUN-2012 18:19
Instrument ID: PESTGC9.i
Client ID:
Compound: 21 Aroclor-1016
CAS #: 12674-11-2
Report Date: 06/25/2012

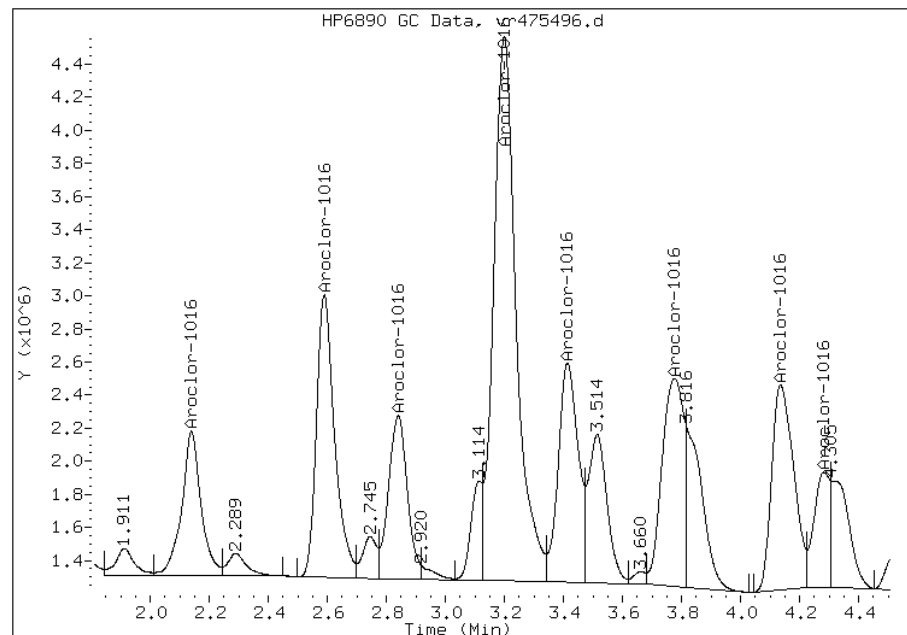
Processing Integration Results

Not Detected

Expected RT: 2.13

Manual Integration Results

RT: 2.14
Response: 3978592
Amount: 493.01
Conc: 330.00

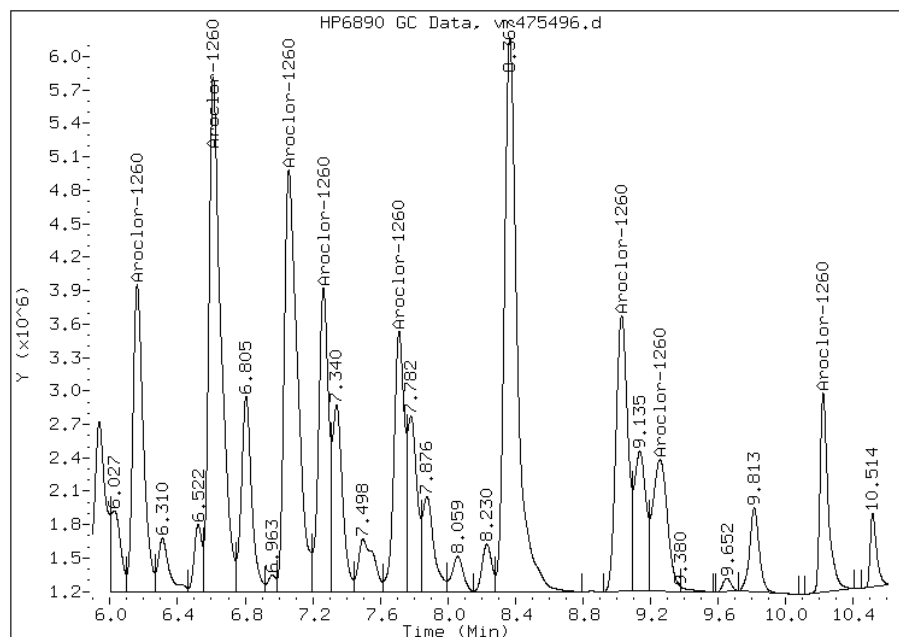


Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

Data File: vr475496.d
Inj. Date and Time: 24-JUN-2012 18:19
Instrument ID: PESTGC9.i
Client ID:
Compound: 27 Aroclor-1260
CAS #: 11096-82-5
Report Date: 06/25/2012

Expected RT: 6.16

RT: 6.16
Response: 11956266
Amount: 616.36
Conc: 410.00



Manually Integrated By: selbyc
Manual Integration Reason: Baseline Event

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: PESTGC9 Start Date: 06/17/2012 12:42Analysis Batch Number: 116500 End Date: 06/17/2012 16:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RINSE 460-116500/1		06/17/2012 12:42	1		CLP-2 0.53 (mm)
RINSE 460-116500/1		06/17/2012 12:42	1		CLP-1 0.53 (mm)
ZZZZZ		06/17/2012 12:58	1		CLP-2 0.53 (mm)
ZZZZZ		06/17/2012 12:58	1		CLP-1 0.53 (mm)
ZZZZZ		06/17/2012 13:14	1		CLP-2 0.53 (mm)
ZZZZZ		06/17/2012 13:14	1		CLP-1 0.53 (mm)
IC 460-116500/4		06/17/2012 13:30	1	vf475159.d	CLP-2 0.53 (mm)
IC 460-116500/4		06/17/2012 13:30	1	vr475159.d	CLP-1 0.53 (mm)
IC 460-116500/5		06/17/2012 13:46	1	vf475160.d	CLP-2 0.53 (mm)
IC 460-116500/5		06/17/2012 13:46	1	vr475160.d	CLP-1 0.53 (mm)
IC 460-116500/6		06/17/2012 14:02	1	vf475161.d	CLP-2 0.53 (mm)
IC 460-116500/6		06/17/2012 14:02	1	vr475161.d	CLP-1 0.53 (mm)
IC 460-116500/7		06/17/2012 14:18	1	vf475162.d	CLP-2 0.53 (mm)
IC 460-116500/7		06/17/2012 14:18	1	vr475162.d	CLP-1 0.53 (mm)
IC 460-116500/8		06/17/2012 14:34	1	vf475163.d	CLP-2 0.53 (mm)
IC 460-116500/8		06/17/2012 14:34	1	vr475163.d	CLP-1 0.53 (mm)
IC 460-116500/9		06/17/2012 14:50	1	vf475164.d	CLP-2 0.53 (mm)
IC 460-116500/9		06/17/2012 14:50	1	vr475164.d	CLP-1 0.53 (mm)
IC 460-116500/10		06/17/2012 15:06	1	vf475165.d	CLP-2 0.53 (mm)
IC 460-116500/10		06/17/2012 15:06	1	vr475165.d	CLP-1 0.53 (mm)
IC 460-116500/11		06/17/2012 15:22	1	vf475166.d	CLP-2 0.53 (mm)
IC 460-116500/11		06/17/2012 15:22	1	vr475166.d	CLP-1 0.53 (mm)
IC 460-116500/12		06/17/2012 15:38	1	vf475167.d	CLP-2 0.53 (mm)
IC 460-116500/12		06/17/2012 15:38	1	vr475167.d	CLP-1 0.53 (mm)
IC 460-116500/13		06/17/2012 15:54	1	vf475168.d	CLP-2 0.53 (mm)
IC 460-116500/13		06/17/2012 15:54	1	vr475168.d	CLP-1 0.53 (mm)
IC 460-116500/14		06/17/2012 16:10	1	vf475169.d	CLP-2 0.53 (mm)
IC 460-116500/14		06/17/2012 16:10	1	vr475169.d	CLP-1 0.53 (mm)
IC 460-116500/15		06/17/2012 16:26	1	vf475170.d	CLP-2 0.53 (mm)
IC 460-116500/15		06/17/2012 16:26	1	vr475170.d	CLP-1 0.53 (mm)
ZZZZZ		06/17/2012 16:42	1		CLP-2 0.53 (mm)
ZZZZZ		06/17/2012 16:42	1		CLP-1 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-41546-1

SDG No.: _____

Instrument ID: PESTGC9Start Date: 06/24/2012 16:59Analysis Batch Number: 117335End Date: 06/25/2012 00:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		06/24/2012 16:59	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 16:59	1		CLP-1 0.53 (mm)
CCVRT 460-117335/2		06/24/2012 17:15	1	vf475492.d	CLP-2 0.53 (mm)
CCVRT 460-117335/2		06/24/2012 17:15	1	vr475492.d	CLP-1 0.53 (mm)
MB 460-117107/1-A		06/24/2012 17:31	1	vf475493.d	CLP-2 0.53 (mm)
MB 460-117107/1-A		06/24/2012 17:31	1	vr475493.d	CLP-1 0.53 (mm)
LCS 460-117107/2-A		06/24/2012 17:47	1	vf475494.d	CLP-2 0.53 (mm)
LCS 460-117107/2-A		06/24/2012 17:47	1	vr475494.d	CLP-1 0.53 (mm)
460-41546-21 MS	F-12 MS	06/24/2012 18:03	1	vf475495.d	CLP-2 0.53 (mm)
460-41546-21 MS	F-12 MS	06/24/2012 18:03	1	vr475495.d	CLP-1 0.53 (mm)
460-41546-21 MSD	F-12 MSD	06/24/2012 18:19	1	vf475496.d	CLP-2 0.53 (mm)
460-41546-21 MSD	F-12 MSD	06/24/2012 18:19	1	vr475496.d	CLP-1 0.53 (mm)
460-41546-21	F-12	06/24/2012 18:35	1	vf475497.d	CLP-2 0.53 (mm)
460-41546-21	F-12	06/24/2012 18:35	1	vr475497.d	CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 18:51	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 18:51	1		CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 19:07	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 19:07	1		CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 19:23	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 19:23	1		CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 19:39	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 19:39	1		CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 19:55	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 19:55	1		CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 20:11	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 20:11	1		CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 20:27	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 20:27	1		CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 20:43	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 20:43	1		CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 20:59	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 20:59	1		CLP-1 0.53 (mm)
460-41546-17	F-8	06/24/2012 21:15	1	vf475507.d	CLP-2 0.53 (mm)
460-41546-17	F-8	06/24/2012 21:15	1	vr475507.d	CLP-1 0.53 (mm)
460-41546-18	F-9	06/24/2012 21:31	1	vf475508.d	CLP-2 0.53 (mm)
460-41546-18	F-9	06/24/2012 21:31	1	vr475508.d	CLP-1 0.53 (mm)
460-41546-19	F-10	06/24/2012 21:47	1	vf475509.d	CLP-2 0.53 (mm)
460-41546-19	F-10	06/24/2012 21:47	1	vr475509.d	CLP-1 0.53 (mm)
460-41546-20	F-11	06/24/2012 22:03	1	vf475510.d	CLP-2 0.53 (mm)
460-41546-20	F-11	06/24/2012 22:03	1	vr475510.d	CLP-1 0.53 (mm)
460-41546-22	F-13	06/24/2012 22:19	1	vf475511.d	CLP-2 0.53 (mm)
460-41546-22	F-13	06/24/2012 22:19	1	vr475511.d	CLP-1 0.53 (mm)
460-41546-23	FB-E	06/24/2012 22:35	1	vf475512.d	CLP-2 0.53 (mm)
460-41546-23	FB-E	06/24/2012 22:35	1	vr475512.d	CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 22:51	1		CLP-2 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: PESTGC9 Start Date: 06/24/2012 16:59Analysis Batch Number: 117335 End Date: 06/25/2012 00:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		06/24/2012 22:51	1		CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 23:07	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 23:07	1		CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 23:23	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 23:23	1		CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 23:39	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 23:39	1		CLP-1 0.53 (mm)
ZZZZZ		06/24/2012 23:55	1		CLP-2 0.53 (mm)
ZZZZZ		06/24/2012 23:55	1		CLP-1 0.53 (mm)
CCV 460-117335/28		06/25/2012 00:10	1	vf475518.d	CLP-2 0.53 (mm)
CCV 460-117335/28		06/25/2012 00:10	1	vr475518.d	CLP-1 0.53 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC9.i

Analytical Batch: /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17June12a.b

Date Generated: 06/18/2012

Page 1

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL	SampleType	LOT	COMMENTS
06/17/12 1242	vr475156	76	rinse	17June12a		15	10	1	SAMPLE		
06/17/12 1258	vr475157	77	SGPIBLK_00012	17June12a		15	10	1	SAMPLE		
06/17/12 1314	vr475158	78	SGI660L1_00012	17June12a		15	10	1	SAMPLE		
06/17/12 1330	vr475159	79	SGI660L1_00012			0	0	1	CALIB_1		
06/17/12 1346	vr475160	80	SGI660L2_00012			0	0	1	CALIB_2		
06/17/12 1402	vr475161	81	SGI660L3_00017			0	0	1	CALIB_3		
06/17/12 1418	vr475162	82	SGI660L4_00012			0	0	1	CALIB_4		
06/17/12 1434	vr475163	83	SGI660L5_00012			0	0	1	CALIB_5		
06/17/12 1450	vr475164	84	SGI222L3_00014			0	0	1	CALIB_3		
06/17/12 1506	vr475165	85	SGI232L3_00013			0	0	1	CALIB_3		
06/17/12 1522	vr475166	86	SGI242L3_00013			0	0	1	CALIB_3		
06/17/12 1538	vr475167	87	SGI248L3_00013			0	0	1	CALIB_3		
06/17/12 1554	vr475168	88	SGI254L3_00013			0	0	1	CALIB_3		
06/17/12 1610	vr475169	89	SGI262L3_00012			0	0	1	CALIB_3		

Tals Batch 116500

g
g
not needed

Cal ID#:

Front - 16064

Rear - 16065

06/18/2012

Hyd

6/18/12

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC9.i

Analytical Batch: /chem1/PESTGC9.i/8082/rear/June12/06-17-12ical/17June12a.b

Date Generated: 06/18/2012

Page 2

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
06/17/12 1626	VR475170	90	SG126813_00013			0	0	1	CALIB_3		
06/17/12 1642	VR475171	91	SGPCBICV_00009			1000	5	1	BS		

Signature: Calista Selbey Read and Understood by: hgzl
 Date: 6/18/12 Date: 6/18/12

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC9.i

Analytical Batch: /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b

Date Generated: 06/25/2012

Page 1

TalsBatch 117335

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/IW	FV	DIL	SampleType	LOT	COMMENTS
06/24/12 1659	vr475491	20	SGPIBLK_00012	24jun12b		15	10	1	SAMPLE		
06/24/12 1715	vr475492	21	ccvrtSGI60L3_00017	24jun12b		15	10	1	SAMPLE		
06/24/12 1731	vr475493	22	MB 460-117107/1-a	24jun12b		15	10	1	SAMPLE		
06/24/12 1747	vr475494	23	LCS 460-117107/2-a	24jun12b		15	10	1	SAMPLE		
06/24/12 1803	vr475495	24	460-41546-D-21-D ms	24jun12b		15	10	1	SAMPLE		
06/24/12 1819	vr475496	25	460-41546-D-21-Emsd	24jun12b		15	10	1	SAMPLE		
06/24/12 1835	vr475497	26	460-41546-D-21-F	460-117107	06/22/12	15.0	10	1	SAMPLE		n/d
06/24/12 1851	vr475498	27	460-41458-C-1-A	460-117107	06/22/12	15.0	10	1	SAMPLE		
06/24/12 1907	vr475499	28	460-41458-D-2-A	460-117107	06/22/12	15.0	10	1	SAMPLE		1248, 1254, 1260
06/24/12 1923	vr475500	29	460-41458-F-7-A	460-117107	06/22/12	15	10	1	SAMPLE		1248, 1254, 1260
06/24/12 1939	vr475501	30	RR 460-41458-A-8-I	460-117107	06/22/12	15	10	1	SAMPLE		1248, 1254, 1260
06/24/12 1955	vr475502	31	460-41469-G-1-C	460-117107	06/22/12	15	10	1	SAMPLE		5X dil
06/24/12 2011	vr475503	32	460-41469-E-2-E	460-117107	06/22/12	15.1	10	1	SAMPLE		n/d
06/24/12 2027	vr475504	33	460-41469-F-3-C	460-117107	06/22/12	15.0	10	1	SAMPLE		n/d

CMs 6/25/12

Hand
6/25/12

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC9.i

Analytical Batch: /chem1/PESTGC9.i/8082/rear/June12/06-24-12/24jun12b.b

Date Generated: 06/25/2012

Page 2

Tals Batch 117335

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL	SampleType	LOT	COMMENTS
06/24/12 2043	vr475505	34	460-41469-E-4-D	460-117107	06/22/12	15.0	10	1	SAMPLE		g nld
06/24/12 2059	vr475506	35	460-41482-E-1-A	460-117107	06/22/12	15	10	1	SAMPLE		g nld
06/24/12 2115	vr475507	36	460-41546-D-17-B	460-117107	06/22/12	15.1	10	1	SAMPLE		g 1254
06/24/12 2131	vr475508	37	460-41546-D-18-B	460-117107	06/22/12	15.0	10	1	SAMPLE		g 1260
06/24/12 2147	vr475509	38	460-41546-D-19-B	460-117107	06/22/12	15	10	1	SAMPLE		g nld
06/24/12 2203	vr475510	39	460-41546-D-20-B	460-117107	06/22/12	15.0	10	1	SAMPLE		g 1260
06/24/12 2219	vr475511	41	460-41546-D-22-B	460-117107	06/22/12	15.0	10	1	SAMPLE		g 1254
06/24/12 2235	vr475512	42	460-41546-D-23-B	460-117107	06/22/12	15	10	1	SAMPLE		g nld
06/24/12 2251	vr475513	43	460-41552-D-1-A	460-117107	06/22/12	15.0	10	1	SAMPLE		g 1254, 1260
06/24/12 2307	vr475514	44	460-41567-D-4-A	460-117107	06/22/12	15	10	1	SAMPLE		g 1260
06/24/12 2323	vr475515	45	460-41571-A-1-A	460-117107	06/22/12	15.0	10	1	SAMPLE		g nld
06/24/12 2339	vr475516	46	460-41577-C-3-A	460-117107	06/22/12	15.0	10	1	SAMPLE		g 1260
06/24/12 2355	vr475517	47	SGFIBLK_00012	24jun12b	15	10		1	SAMPLE		g
06/25/12 0010	vr475518	48	CCV SGI660L3_00017	24jun12b	15	10		1	SAMPLE		g

Page 1243 of 1838

Signed: Calista Selby 6/25/12 Read and Understood by: Hjyl 6/25/12

07/06/2012

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117107 Batch Start Date: 06/22/12 08:50 Batch Analyst: Alinea, Archilles RBatch Method: 3541 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SoxThermPosition	OP_PCBSP 00024	OPPSTPCBSU 00021	
MB 460-117107/1		3541, 8082		15.00 g	10 mL	73		50 uL	
LCS 460-117107/2		3541, 8082		15.00 g	10 mL	74	50 uL	50 uL	
460-41546-D-21 MS	F-12	3541, 8082	T	15.05 g	10 mL	75	50 uL	50 uL	
460-41546-D-21 MSD	F-12	3541, 8082	T	15.00 g	10 mL	76	50 uL	50 uL	
460-41546-D-17	F-8	3541, 8082	T	15.05 g	10 mL	68		50 uL	
460-41546-D-18	F-9	3541, 8082	T	15.04 g	10 mL	69		50 uL	
460-41546-D-19	F-10	3541, 8082	T	15.00 g	10 mL	70		50 uL	
460-41546-D-20	F-11	3541, 8082	T	15.03 g	10 mL	71		50 uL	
460-41546-D-21	F-12	3541, 8082	T	15.01 g	10 mL	72		50 uL	
460-41546-D-22	F-13	3541, 8082	T	15.02 g	10 mL	1		50 uL	
460-41546-D-23	FB-E	3541, 8082	T	15.00 g	10 mL	2		50 uL	

Batch Notes	
Acid used for Clean Up Reagent	k20042
Balance ID	30
Batch Comment	pcb-soil
Boiling Chips ID	902100
Person's name who did the concentration	archie
Na2SO4 Lot Number	135309
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	8:50am
TBA Lot #	op249

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-41546-1
SDG No.: _____
Project: C360112. Mt.Kisko, NY

Client Sample ID	Lab Sample ID
PH-1	460-41546-1
PH-2	460-41546-2
PH-3	460-41546-3
PH-4	460-41546-4
PH-5	460-41546-5
PH-6	460-41546-6
PH-7	460-41546-7
PH-8	460-41546-8
PH-9	460-41546-9
PH-10	460-41546-10
PH-11	460-41546-11
PH-12	460-41546-12
PH-13	460-41546-13
PH-14	460-41546-14
PH-15	460-41546-15
PH-16	460-41546-16
F-8	460-41546-17
F-9	460-41546-18
F-10	460-41546-19
F-11	460-41546-20
F-12	460-41546-21
F-13	460-41546-22
FB-E	460-41546-23

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-1

Lab Sample ID: 460-41546-1

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

SDG ID.:

Matrix: Solid

Date Sampled: 06/20/2012 09:25

Reporting Basis: DRY

Date Received: 06/20/2012 17:40

% Solids: 90.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7570	43.4	19.8	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.2	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.6	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	51.4	43.4	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.16	0.43	0.16	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.16	1.1	0.16	mg/Kg	U		4	6010B
7440-70-2	Calcium	1950	1090	76.9	mg/Kg			4	6010B
7440-47-3	Chromium	14.5	2.2	0.93	mg/Kg			4	6010B
7440-48-4	Cobalt	6.1	10.9	0.93	mg/Kg	J		4	6010B
7440-50-8	Copper	13.6	5.4	2.1	mg/Kg			4	6010B
7439-89-6	Iron	12600	32.6	13.1	mg/Kg			4	6010B
7439-92-1	Lead	6.0	1.1	0.93	mg/Kg			4	6010B
7439-95-4	Magnesium	3270	1090	78.2	mg/Kg			4	6010B
7439-96-5	Manganese	204	3.3	0.96	mg/Kg			4	6010B
7440-02-0	Nickel	12.5	8.7	0.96	mg/Kg			4	6010B
7440-09-7	Potassium	1390	1090	116	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.2	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	0.22	2.2	0.22	mg/Kg	U		4	6010B
7440-23-5	Sodium	172	1090	172	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.2	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	18.3	10.9	0.83	mg/Kg			4	6010B
7440-66-6	Zinc	27.3	6.5	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.022	0.033	0.022	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-2

Lab Sample ID: 460-41546-2

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

SDG ID.:

Matrix: Solid

Date Sampled: 06/20/2012 09:29

Reporting Basis: DRY

Date Received: 06/20/2012 17:40

% Solids: 87.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7770	43.1	19.6	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.2	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	2.0	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	125	43.1	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.16	0.43	0.16	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.36	1.1	0.16	mg/Kg	J		4	6010B
7440-70-2	Calcium	1530	1080	76.4	mg/Kg			4	6010B
7440-47-3	Chromium	18.8	2.2	0.93	mg/Kg			4	6010B
7440-48-4	Cobalt	4.6	10.8	0.92	mg/Kg	J		4	6010B
7440-50-8	Copper	46.5	5.4	2.1	mg/Kg			4	6010B
7439-89-6	Iron	13000	32.4	13.0	mg/Kg			4	6010B
7439-92-1	Lead	107	1.1	0.93	mg/Kg			4	6010B
7439-95-4	Magnesium	2910	1080	77.6	mg/Kg			4	6010B
7439-96-5	Manganese	115	3.2	0.95	mg/Kg			4	6010B
7440-02-0	Nickel	12.4	8.6	0.95	mg/Kg			4	6010B
7440-09-7	Potassium	1300	1080	115	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.2	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	2.5	2.2	0.22	mg/Kg			4	6010B
7440-23-5	Sodium	170	1080	170	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.2	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	20.1	10.8	0.83	mg/Kg			4	6010B
7440-66-6	Zinc	98.9	6.5	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	2.8	0.10	0.068	mg/Kg			3	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>PH-3</u>	Lab Sample ID: <u>460-41546-3</u>
Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG ID.: _____	
Matrix: <u>Solid</u>	Date Sampled: <u>06/20/2012 09:32</u>
Reporting Basis: <u>DRY</u>	Date Received: <u>06/20/2012 17:40</u>
% Solids: <u>73.7</u>	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9590	48.9	22.3	mg/Kg			4	6010B
7440-36-0	Antimony	1.5	2.4	1.5	mg/Kg	U		4	6010B
7440-38-2	Arsenic	14.1	1.2	1.1	mg/Kg			4	6010B
7440-39-3	Barium	90.4	48.9	1.4	mg/Kg			4	6010B
7440-41-7	Beryllium	0.18	0.49	0.18	mg/Kg	U		4	6010B
7440-43-9	Cadmium	1.8	1.2	0.18	mg/Kg			4	6010B
7440-70-2	Calcium	3280	1220	86.6	mg/Kg			4	6010B
7440-47-3	Chromium	30.3	2.4	1.1	mg/Kg			4	6010B
7440-48-4	Cobalt	18.0	12.2	1.0	mg/Kg			4	6010B
7440-50-8	Copper	49.5	6.1	2.4	mg/Kg			4	6010B
7439-89-6	Iron	70100	91.7	37.0	mg/Kg			10	6010B
7439-92-1	Lead	31.3	1.2	1.1	mg/Kg			4	6010B
7439-95-4	Magnesium	3070	1220	88.0	mg/Kg			4	6010B
7439-96-5	Manganese	530	3.7	1.1	mg/Kg			4	6010B
7440-02-0	Nickel	29.0	9.8	1.1	mg/Kg			4	6010B
7440-09-7	Potassium	949	1220	131	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.6	2.4	1.6	mg/Kg	U		4	6010B
7440-22-4	Silver	0.24	2.4	0.24	mg/Kg	U		4	6010B
7440-23-5	Sodium	193	1220	193	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.4	2.4	1.4	mg/Kg	U		4	6010B
7440-62-2	Vanadium	28.5	12.2	0.94	mg/Kg			4	6010B
7440-66-6	Zinc	622	7.3	1.3	mg/Kg			4	6010B
7439-97-6	Mercury	0.24	0.045	0.030	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-4

Lab Sample ID: 460-41546-4

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

SDG ID.:

Matrix: Solid

Date Sampled: 06/20/2012 09:34

Reporting Basis: DRY

Date Received: 06/20/2012 17:40

% Solids: 81.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6160	44.5	20.2	mg/Kg			4	6010B
7440-36-0	Antimony	1.9	2.2	1.4	mg/Kg	J		4	6010B
7440-38-2	Arsenic	3.3	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	53.0	44.5	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.16	0.44	0.16	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.16	1.1	0.16	mg/Kg	J		4	6010B
7440-70-2	Calcium	2640	1110	78.7	mg/Kg			4	6010B
7440-47-3	Chromium	16.6	2.2	0.96	mg/Kg			4	6010B
7440-48-4	Cobalt	8.8	11.1	0.95	mg/Kg	J		4	6010B
7440-50-8	Copper	15.9	5.6	2.2	mg/Kg			4	6010B
7439-89-6	Iron	10500	33.4	13.5	mg/Kg			4	6010B
7439-92-1	Lead	5.3	1.1	0.96	mg/Kg			4	6010B
7439-95-4	Magnesium	3180	1110	80.1	mg/Kg			4	6010B
7439-96-5	Manganese	162	3.3	0.98	mg/Kg			4	6010B
7440-02-0	Nickel	17.1	8.9	0.98	mg/Kg			4	6010B
7440-09-7	Potassium	1100	1110	119	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.5	2.2	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	0.22	2.2	0.22	mg/Kg	U		4	6010B
7440-23-5	Sodium	176	1110	176	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.3	2.2	1.3	mg/Kg	U		4	6010B
7440-62-2	Vanadium	23.7	11.1	0.85	mg/Kg			4	6010B
7440-66-6	Zinc	27.8	6.7	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.024	0.037	0.024	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-5	Lab Sample ID: 460-41546-5
Lab Name: TestAmerica Edison	Job No.: 460-41546-1
SDG ID.:	
Matrix: Solid	Date Sampled: 06/20/2012 10:10
Reporting Basis: DRY	Date Received: 06/20/2012 17:40
% Solids: 94.5	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6360	38.5	17.5	mg/Kg			4	6010B
7440-36-0	Antimony	1.2	1.9	1.2	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.1	0.96	0.90	mg/Kg			4	6010B
7440-39-3	Barium	58.2	38.5	1.1	mg/Kg			4	6010B
7440-41-7	Beryllium	0.14	0.38	0.14	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.14	0.96	0.14	mg/Kg	U		4	6010B
7440-70-2	Calcium	2630	962	68.1	mg/Kg			4	6010B
7440-47-3	Chromium	15.6	1.9	0.83	mg/Kg			4	6010B
7440-48-4	Cobalt	5.9	9.6	0.82	mg/Kg	J		4	6010B
7440-50-8	Copper	14.3	4.8	1.9	mg/Kg			4	6010B
7439-89-6	Iron	12900	28.9	11.6	mg/Kg			4	6010B
7439-92-1	Lead	3.8	0.96	0.83	mg/Kg			4	6010B
7439-95-4	Magnesium	3540	962	69.2	mg/Kg			4	6010B
7439-96-5	Manganese	186	2.9	0.85	mg/Kg			4	6010B
7440-02-0	Nickel	12.9	7.7	0.85	mg/Kg			4	6010B
7440-09-7	Potassium	1910	962	103	mg/Kg			4	6010B
7782-49-2	Selenium	1.3	1.9	1.3	mg/Kg	U		4	6010B
7440-22-4	Silver	0.19	1.9	0.19	mg/Kg	U		4	6010B
7440-23-5	Sodium	152	962	152	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.1	1.9	1.1	mg/Kg	U		4	6010B
7440-62-2	Vanadium	19.5	9.6	0.74	mg/Kg			4	6010B
7440-66-6	Zinc	26.4	5.8	1.0	mg/Kg			4	6010B
7439-97-6	Mercury	0.023	0.035	0.023	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-6	Lab Sample ID: 460-41546-6
Lab Name: TestAmerica Edison	Job No.: 460-41546-1
SDG ID.:	
Matrix: Solid	Date Sampled: 06/20/2012 10:14
Reporting Basis: DRY	Date Received: 06/20/2012 17:40
% Solids: 88.6	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7990	40.7	18.5	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.0	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.6	1.0	0.96	mg/Kg			4	6010B
7440-39-3	Barium	65.9	40.7	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.15	0.41	0.15	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.15	1.0	0.15	mg/Kg	U		4	6010B
7440-70-2	Calcium	1530	1020	72.0	mg/Kg			4	6010B
7440-47-3	Chromium	16.8	2.0	0.87	mg/Kg			4	6010B
7440-48-4	Cobalt	6.7	10.2	0.87	mg/Kg	J		4	6010B
7440-50-8	Copper	16.4	5.1	2.0	mg/Kg			4	6010B
7439-89-6	Iron	13700	30.5	12.3	mg/Kg			4	6010B
7439-92-1	Lead	5.3	1.0	0.87	mg/Kg			4	6010B
7439-95-4	Magnesium	3900	1020	73.2	mg/Kg			4	6010B
7439-96-5	Manganese	265	3.1	0.89	mg/Kg			4	6010B
7440-02-0	Nickel	14.3	8.1	0.89	mg/Kg			4	6010B
7440-09-7	Potassium	1990	1020	109	mg/Kg			4	6010B
7782-49-2	Selenium	1.3	2.0	1.3	mg/Kg	U		4	6010B
7440-22-4	Silver	0.20	2.0	0.20	mg/Kg	U		4	6010B
7440-23-5	Sodium	161	1020	161	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.1	2.0	1.1	mg/Kg	U		4	6010B
7440-62-2	Vanadium	21.8	10.2	0.78	mg/Kg			4	6010B
7440-66-6	Zinc	36.3	6.1	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.023	0.034	0.023	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-7	Lab Sample ID: 460-41546-7
Lab Name: TestAmerica Edison	Job No.: 460-41546-1
SDG ID.:	
Matrix: Solid	Date Sampled: 06/20/2012 10:16
Reporting Basis: DRY	Date Received: 06/20/2012 17:40
% Solids: 73.8	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13800	51.6	23.5	mg/Kg			4	6010B
7440-36-0	Antimony	1.6	2.6	1.6	mg/Kg	U		4	6010B
7440-38-2	Arsenic	2.1	1.3	1.2	mg/Kg			4	6010B
7440-39-3	Barium	102	51.6	1.5	mg/Kg			4	6010B
7440-41-7	Beryllium	0.19	0.52	0.19	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.20	1.3	0.19	mg/Kg	J		4	6010B
7440-70-2	Calcium	2340	1290	91.3	mg/Kg			4	6010B
7440-47-3	Chromium	29.5	2.6	1.1	mg/Kg			4	6010B
7440-48-4	Cobalt	7.9	12.9	1.1	mg/Kg	J		4	6010B
7440-50-8	Copper	14.6	6.4	2.5	mg/Kg			4	6010B
7439-89-6	Iron	20300	38.7	15.6	mg/Kg			4	6010B
7439-92-1	Lead	10.6	1.3	1.1	mg/Kg			4	6010B
7439-95-4	Magnesium	4300	1290	92.9	mg/Kg			4	6010B
7439-96-5	Manganese	369	3.9	1.1	mg/Kg			4	6010B
7440-02-0	Nickel	17.1	10.3	1.1	mg/Kg			4	6010B
7440-09-7	Potassium	1040	1290	138	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.7	2.6	1.7	mg/Kg	U		4	6010B
7440-22-4	Silver	0.26	2.6	0.26	mg/Kg	U		4	6010B
7440-23-5	Sodium	204	1290	204	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.5	2.6	1.5	mg/Kg	U		4	6010B
7440-62-2	Vanadium	39.6	12.9	0.99	mg/Kg			4	6010B
7440-66-6	Zinc	46.0	7.7	1.4	mg/Kg			4	6010B
7439-97-6	Mercury	0.038	0.042	0.028	mg/Kg	J		1	7471A

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INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-8	Lab Sample ID: 460-41546-8
Lab Name: TestAmerica Edison	Job No.: 460-41546-1
SDG ID.:	
Matrix: Solid	Date Sampled: 06/20/2012 10:18
Reporting Basis: DRY	Date Received: 06/20/2012 17:40
% Solids: 81.8	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13800	43.3	19.7	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.2	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	2.6	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	102	43.3	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.16	0.43	0.16	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.17	1.1	0.16	mg/Kg	J		4	6010B
7440-70-2	Calcium	2060	1080	76.6	mg/Kg			4	6010B
7440-47-3	Chromium	29.8	2.2	0.93	mg/Kg			4	6010B
7440-48-4	Cobalt	11.2	10.8	0.92	mg/Kg			4	6010B
7440-50-8	Copper	16.8	5.4	2.1	mg/Kg			4	6010B
7439-89-6	Iron	20600	32.4	13.1	mg/Kg			4	6010B
7439-92-1	Lead	7.6	1.1	0.93	mg/Kg			4	6010B
7439-95-4	Magnesium	5110	1080	77.9	mg/Kg			4	6010B
7439-96-5	Manganese	241	3.2	0.95	mg/Kg			4	6010B
7440-02-0	Nickel	20.3	8.7	0.95	mg/Kg			4	6010B
7440-09-7	Potassium	1600	1080	116	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.2	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	0.22	2.2	0.22	mg/Kg	U		4	6010B
7440-23-5	Sodium	171	1080	171	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.2	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	40.3	10.8	0.83	mg/Kg			4	6010B
7440-66-6	Zinc	59.5	6.5	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.023	0.034	0.023	mg/Kg	U		1	7471A

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INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-9	Lab Sample ID: 460-41546-9
Lab Name: TestAmerica Edison	Job No.: 460-41546-1
SDG ID.:	
Matrix: Solid	Date Sampled: 06/20/2012 11:05
Reporting Basis: DRY	Date Received: 06/20/2012 17:40
% Solids: 91.4	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8230	40.9	18.6	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.0	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	2.2	1.0	0.96	mg/Kg			4	6010B
7440-39-3	Barium	49.9	40.9	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.15	0.41	0.15	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.15	1.0	0.15	mg/Kg	U		4	6010B
7440-70-2	Calcium	1490	1020	72.4	mg/Kg			4	6010B
7440-47-3	Chromium	14.3	2.0	0.88	mg/Kg			4	6010B
7440-48-4	Cobalt	5.8	10.2	0.87	mg/Kg	J		4	6010B
7440-50-8	Copper	12.5	5.1	2.0	mg/Kg			4	6010B
7439-89-6	Iron	12300	30.7	12.4	mg/Kg			4	6010B
7439-92-1	Lead	5.6	1.0	0.88	mg/Kg			4	6010B
7439-95-4	Magnesium	2720	1020	73.6	mg/Kg			4	6010B
7439-96-5	Manganese	225	3.1	0.90	mg/Kg			4	6010B
7440-02-0	Nickel	12.3	8.2	0.90	mg/Kg			4	6010B
7440-09-7	Potassium	1070	1020	109	mg/Kg			4	6010B
7782-49-2	Selenium	1.3	2.0	1.3	mg/Kg	U		4	6010B
7440-22-4	Silver	0.20	2.0	0.20	mg/Kg	U		4	6010B
7440-23-5	Sodium	162	1020	162	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.0	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	17.9	10.2	0.79	mg/Kg			4	6010B
7440-66-6	Zinc	27.4	6.1	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.023	0.034	0.023	mg/Kg	U		1	7471A

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INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-10	Lab Sample ID: 460-41546-10
Lab Name: TestAmerica Edison	Job No.: 460-41546-1
SDG ID.:	
Matrix: Solid	Date Sampled: 06/20/2012 11:08
Reporting Basis: DRY	Date Received: 06/20/2012 17:40
% Solids: 87.8	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5090	42.6	19.4	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.1	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.2	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	71.4	42.6	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.15	0.43	0.15	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.22	1.1	0.16	mg/Kg	J		4	6010B
7440-70-2	Calcium	1310	1060	75.4	mg/Kg			4	6010B
7440-47-3	Chromium	12.7	2.1	0.92	mg/Kg			4	6010B
7440-48-4	Cobalt	4.4	10.6	0.91	mg/Kg	J		4	6010B
7440-50-8	Copper	29.7	5.3	2.1	mg/Kg			4	6010B
7439-89-6	Iron	11900	31.9	12.9	mg/Kg			4	6010B
7439-92-1	Lead	37.8	1.1	0.92	mg/Kg			4	6010B
7439-95-4	Magnesium	2420	1060	76.7	mg/Kg			4	6010B
7439-96-5	Manganese	110	3.2	0.94	mg/Kg			4	6010B
7440-02-0	Nickel	9.4	8.5	0.94	mg/Kg			4	6010B
7440-09-7	Potassium	1300	1060	114	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.1	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	3.3	2.1	0.21	mg/Kg			4	6010B
7440-23-5	Sodium	168	1060	168	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.1	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	15.8	10.6	0.82	mg/Kg			4	6010B
7440-66-6	Zinc	65.4	6.4	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.65	0.034	0.023	mg/Kg			1	7471A

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INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-11	Lab Sample ID: 460-41546-11
Lab Name: TestAmerica Edison	Job No.: 460-41546-1
SDG ID.:	
Matrix: Solid	Date Sampled: 06/20/2012 11:10
Reporting Basis: DRY	Date Received: 06/20/2012 17:40
% Solids: 71.1	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	19900	51.1	23.3	mg/Kg			4	6010B
7440-36-0	Antimony	1.6	2.6	1.6	mg/Kg	U		4	6010B
7440-38-2	Arsenic	3.2	1.3	1.2	mg/Kg			4	6010B
7440-39-3	Barium	129	51.1	1.5	mg/Kg			4	6010B
7440-41-7	Beryllium	0.47	0.51	0.18	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.19	1.3	0.19	mg/Kg	U		4	6010B
7440-70-2	Calcium	1890	1280	90.5	mg/Kg			4	6010B
7440-47-3	Chromium	40.2	2.6	1.1	mg/Kg			4	6010B
7440-48-4	Cobalt	9.8	12.8	1.1	mg/Kg	J		4	6010B
7440-50-8	Copper	11.8	6.4	2.5	mg/Kg			4	6010B
7439-89-6	Iron	29600	38.3	15.5	mg/Kg			4	6010B
7439-92-1	Lead	10.3	1.3	1.1	mg/Kg			4	6010B
7439-95-4	Magnesium	4260	1280	92.0	mg/Kg			4	6010B
7439-96-5	Manganese	356	3.8	1.1	mg/Kg			4	6010B
7440-02-0	Nickel	20.8	10.2	1.1	mg/Kg			4	6010B
7440-09-7	Potassium	516	1280	137	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.7	2.6	1.7	mg/Kg	U		4	6010B
7440-22-4	Silver	0.26	2.6	0.26	mg/Kg	U		4	6010B
7440-23-5	Sodium	202	1280	202	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.4	2.6	1.4	mg/Kg	U		4	6010B
7440-62-2	Vanadium	60.8	12.8	0.98	mg/Kg			4	6010B
7440-66-6	Zinc	64.4	7.7	1.4	mg/Kg			4	6010B
7439-97-6	Mercury	0.062	0.043	0.029	mg/Kg			1	7471A

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INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-12	Lab Sample ID: 460-41546-12
Lab Name: TestAmerica Edison	Job No.: 460-41546-1
SDG ID.:	
Matrix: Solid	Date Sampled: 06/20/2012 11:12
Reporting Basis: DRY	Date Received: 06/20/2012 17:40
% Solids: 83.6	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5090	45.6	20.7	mg/Kg			4	6010B
7440-36-0	Antimony	1.4	2.3	1.4	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.1	1.1	1.1	mg/Kg	U		4	6010B
7440-39-3	Barium	42.2	45.6	1.3	mg/Kg	J		4	6010B
7440-41-7	Beryllium	0.16	0.46	0.16	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.17	1.1	0.17	mg/Kg	U		4	6010B
7440-70-2	Calcium	1760	1140	80.7	mg/Kg			4	6010B
7440-47-3	Chromium	12.4	2.3	0.98	mg/Kg			4	6010B
7440-48-4	Cobalt	4.6	11.4	0.97	mg/Kg	J		4	6010B
7440-50-8	Copper	9.2	5.7	2.2	mg/Kg			4	6010B
7439-89-6	Iron	8140	34.2	13.8	mg/Kg			4	6010B
7439-92-1	Lead	3.0	1.1	0.98	mg/Kg			4	6010B
7439-95-4	Magnesium	2300	1140	82.0	mg/Kg			4	6010B
7439-96-5	Manganese	87.6	3.4	1.0	mg/Kg			4	6010B
7440-02-0	Nickel	8.8	9.1	1.0	mg/Kg	J		4	6010B
7440-09-7	Potassium	1020	1140	122	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.5	2.3	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	0.23	2.3	0.23	mg/Kg	U		4	6010B
7440-23-5	Sodium	180	1140	180	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.3	2.3	1.3	mg/Kg	U		4	6010B
7440-62-2	Vanadium	17.2	11.4	0.88	mg/Kg			4	6010B
7440-66-6	Zinc	21.9	6.8	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.024	0.036	0.024	mg/Kg	U		1	7471A

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INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-13	Lab Sample ID: 460-41546-13
Lab Name: TestAmerica Edison	Job No.: 460-41546-1
SDG ID.:	
Matrix: Solid	Date Sampled: 06/20/2012 11:50
Reporting Basis: DRY	Date Received: 06/20/2012 17:40
% Solids: 94.2	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6470	38.9	17.7	mg/Kg			4	6010B
7440-36-0	Antimony	1.2	1.9	1.2	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.6	0.97	0.92	mg/Kg			4	6010B
7440-39-3	Barium	56.9	38.9	1.1	mg/Kg			4	6010B
7440-41-7	Beryllium	0.14	0.39	0.14	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.14	0.97	0.14	mg/Kg	U		4	6010B
7440-70-2	Calcium	2750	973	68.9	mg/Kg			4	6010B
7440-47-3	Chromium	15.0	1.9	0.84	mg/Kg			4	6010B
7440-48-4	Cobalt	5.8	9.7	0.83	mg/Kg	J		4	6010B
7440-50-8	Copper	14.9	4.9	1.9	mg/Kg			4	6010B
7439-89-6	Iron	12900	29.2	11.8	mg/Kg			4	6010B
7439-92-1	Lead	4.2	0.97	0.84	mg/Kg			4	6010B
7439-95-4	Magnesium	3600	973	70.1	mg/Kg			4	6010B
7439-96-5	Manganese	186	2.9	0.86	mg/Kg			4	6010B
7440-02-0	Nickel	12.4	7.8	0.86	mg/Kg			4	6010B
7440-09-7	Potassium	1690	973	104	mg/Kg			4	6010B
7782-49-2	Selenium	1.3	1.9	1.3	mg/Kg	U		4	6010B
7440-22-4	Silver	0.19	1.9	0.19	mg/Kg	U		4	6010B
7440-23-5	Sodium	154	973	154	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.1	1.9	1.1	mg/Kg	U		4	6010B
7440-62-2	Vanadium	19.8	9.7	0.75	mg/Kg			4	6010B
7440-66-6	Zinc	25.2	5.8	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.022	0.033	0.022	mg/Kg	U		1	7471A

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INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-14	Lab Sample ID: 460-41546-14
Lab Name: TestAmerica Edison	Job No.: 460-41546-1
SDG ID.:	
Matrix: Solid	Date Sampled: 06/20/2012 11:53
Reporting Basis: DRY	Date Received: 06/20/2012 17:40
% Solids: 81.2	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11100	48.3	22.0	mg/Kg			4	6010B
7440-36-0	Antimony	1.5	2.4	1.5	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.5	1.2	1.1	mg/Kg			4	6010B
7440-39-3	Barium	112	48.3	1.4	mg/Kg			4	6010B
7440-41-7	Beryllium	0.17	0.48	0.17	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.30	1.2	0.18	mg/Kg	J		4	6010B
7440-70-2	Calcium	2540	1210	85.4	mg/Kg			4	6010B
7440-47-3	Chromium	27.9	2.4	1.0	mg/Kg			4	6010B
7440-48-4	Cobalt	6.4	12.1	1.0	mg/Kg	J		4	6010B
7440-50-8	Copper	96.8	6.0	2.3	mg/Kg			4	6010B
7439-89-6	Iron	17400	36.2	14.6	mg/Kg			4	6010B
7439-92-1	Lead	55.7	1.2	1.0	mg/Kg			4	6010B
7439-95-4	Magnesium	4250	1210	86.9	mg/Kg			4	6010B
7439-96-5	Manganese	168	3.6	1.1	mg/Kg			4	6010B
7440-02-0	Nickel	16.7	9.7	1.1	mg/Kg			4	6010B
7440-09-7	Potassium	1360	1210	129	mg/Kg			4	6010B
7782-49-2	Selenium	1.6	2.4	1.6	mg/Kg	U		4	6010B
7440-22-4	Silver	2.1	2.4	0.24	mg/Kg	J		4	6010B
7440-23-5	Sodium	191	1210	191	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.4	2.4	1.4	mg/Kg	U		4	6010B
7440-62-2	Vanadium	29.6	12.1	0.93	mg/Kg			4	6010B
7440-66-6	Zinc	120	7.2	1.3	mg/Kg			4	6010B
7439-97-6	Mercury	1.7	0.041	0.027	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>PH-15</u>	Lab Sample ID: <u>460-41546-15</u>
Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG ID.: _____	
Matrix: <u>Solid</u>	Date Sampled: <u>06/20/2012 11:55</u>
Reporting Basis: <u>DRY</u>	Date Received: <u>06/20/2012 17:40</u>
% Solids: <u>79.6</u>	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10300	43.7	19.9	mg/Kg			4	6010B
7440-36-0	Antimony	1.4	2.2	1.4	mg/Kg	U		4	6010B
7440-38-2	Arsenic	2.5	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	144	43.7	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.16	0.44	0.16	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.61	1.1	0.16	mg/Kg	J		4	6010B
7440-70-2	Calcium	2230	1090	77.3	mg/Kg			4	6010B
7440-47-3	Chromium	27.7	2.2	0.94	mg/Kg			4	6010B
7440-48-4	Cobalt	6.3	10.9	0.93	mg/Kg	J		4	6010B
7440-50-8	Copper	224	5.5	2.1	mg/Kg			4	6010B
7439-89-6	Iron	17300	32.8	13.2	mg/Kg			4	6010B
7439-92-1	Lead	115	1.1	0.94	mg/Kg			4	6010B
7439-95-4	Magnesium	4360	1090	78.6	mg/Kg			4	6010B
7439-96-5	Manganese	163	3.3	0.96	mg/Kg			4	6010B
7440-02-0	Nickel	17.4	8.7	0.96	mg/Kg			4	6010B
7440-09-7	Potassium	1750	1090	117	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.2	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	3.7	2.2	0.22	mg/Kg			4	6010B
7440-23-5	Sodium	173	1090	173	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.2	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	28.4	10.9	0.84	mg/Kg			4	6010B
7440-66-6	Zinc	213	6.6	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	2.8	0.078	0.052	mg/Kg			2	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PH-16	Lab Sample ID: 460-41546-16
Lab Name: TestAmerica Edison	Job No.: 460-41546-1
SDG ID.:	
Matrix: Solid	Date Sampled: 06/20/2012 11:57
Reporting Basis: DRY	Date Received: 06/20/2012 17:40
% Solids: 79.2	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5520	46.7	21.3	mg/Kg			4	6010B
7440-36-0	Antimony	1.4	2.3	1.4	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.6	1.2	1.1	mg/Kg			4	6010B
7440-39-3	Barium	94.3	46.7	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.17	0.47	0.17	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.41	1.2	0.17	mg/Kg	J		4	6010B
7440-70-2	Calcium	1830	1170	82.7	mg/Kg			4	6010B
7440-47-3	Chromium	16.3	2.3	1.0	mg/Kg			4	6010B
7440-48-4	Cobalt	3.8	11.7	1.0	mg/Kg	J		4	6010B
7440-50-8	Copper	225	5.8	2.3	mg/Kg			4	6010B
7439-89-6	Iron	11200	35.1	14.1	mg/Kg			4	6010B
7439-92-1	Lead	66.4	1.2	1.0	mg/Kg			4	6010B
7439-95-4	Magnesium	2790	1170	84.1	mg/Kg			4	6010B
7439-96-5	Manganese	107	3.5	1.0	mg/Kg			4	6010B
7440-02-0	Nickel	10.6	9.3	1.0	mg/Kg			4	6010B
7440-09-7	Potassium	1440	1170	125	mg/Kg			4	6010B
7782-49-2	Selenium	1.5	2.3	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	2.0	2.3	0.23	mg/Kg	J		4	6010B
7440-23-5	Sodium	185	1170	185	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.3	2.3	1.3	mg/Kg	U		4	6010B
7440-62-2	Vanadium	16.4	11.7	0.90	mg/Kg			4	6010B
7440-66-6	Zinc	122	7.0	1.3	mg/Kg			4	6010B
7439-97-6	Mercury	4.0	0.12	0.081	mg/Kg			3	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>F-8</u>	Lab Sample ID: <u>460-41546-17</u>
Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG ID.: _____	
Matrix: <u>Solid</u>	Date Sampled: <u>06/20/2012 13:05</u>
Reporting Basis: <u>DRY</u>	Date Received: <u>06/20/2012 17:40</u>
% Solids: <u>90.9</u>	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8070	41.5	18.9	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.1	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	2.2	1.0	0.98	mg/Kg			4	6010B
7440-39-3	Barium	121	41.5	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.15	0.42	0.15	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.24	1.0	0.15	mg/Kg	J		4	6010B
7440-70-2	Calcium	1690	1040	73.5	mg/Kg			4	6010B
7440-47-3	Chromium	24.4	2.1	0.89	mg/Kg			4	6010B
7440-48-4	Cobalt	6.4	10.4	0.88	mg/Kg	J		4	6010B
7440-50-8	Copper	33.8	5.2	2.0	mg/Kg			4	6010B
7439-89-6	Iron	14700	31.1	12.6	mg/Kg			4	6010B
7439-92-1	Lead	24.5	1.0	0.89	mg/Kg			4	6010B
7439-95-4	Magnesium	3660	1040	74.7	mg/Kg			4	6010B
7439-96-5	Manganese	214	3.1	0.91	mg/Kg			4	6010B
7440-02-0	Nickel	14.5	8.3	0.91	mg/Kg			4	6010B
7440-09-7	Potassium	1930	1040	111	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.1	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	2.7	2.1	0.21	mg/Kg			4	6010B
7440-23-5	Sodium	164	1040	164	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.1	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	22.0	10.4	0.80	mg/Kg			4	6010B
7440-66-6	Zinc	42.4	6.2	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.45	0.036	0.024	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>F-9</u>	Lab Sample ID: <u>460-41546-18</u>
Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG ID.: _____	
Matrix: <u>Solid</u>	Date Sampled: <u>06/20/2012 13:14</u>
Reporting Basis: <u>DRY</u>	Date Received: <u>06/20/2012 17:40</u>
% Solids: <u>89.2</u>	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10700	40.0	18.2	mg/Kg			4	6010B
7440-36-0	Antimony	1.2	2.0	1.2	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.8	1.0	0.94	mg/Kg			4	6010B
7440-39-3	Barium	126	40.0	1.1	mg/Kg			4	6010B
7440-41-7	Beryllium	0.14	0.40	0.14	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.16	1.0	0.15	mg/Kg	J		4	6010B
7440-70-2	Calcium	2050	1000	70.9	mg/Kg			4	6010B
7440-47-3	Chromium	28.0	2.0	0.86	mg/Kg			4	6010B
7440-48-4	Cobalt	9.2	10.0	0.85	mg/Kg	J		4	6010B
7440-50-8	Copper	23.3	5.0	1.9	mg/Kg			4	6010B
7439-89-6	Iron	21000	30.0	12.1	mg/Kg			4	6010B
7439-92-1	Lead	5.8	1.0	0.86	mg/Kg			4	6010B
7439-95-4	Magnesium	4930	1000	72.1	mg/Kg			4	6010B
7439-96-5	Manganese	276	3.0	0.88	mg/Kg			4	6010B
7440-02-0	Nickel	20.6	8.0	0.88	mg/Kg			4	6010B
7440-09-7	Potassium	3750	1000	107	mg/Kg			4	6010B
7782-49-2	Selenium	1.3	2.0	1.3	mg/Kg	U		4	6010B
7440-22-4	Silver	0.20	2.0	0.20	mg/Kg	U		4	6010B
7440-23-5	Sodium	158	1000	158	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.1	2.0	1.1	mg/Kg	U		4	6010B
7440-62-2	Vanadium	35.7	10.0	0.77	mg/Kg			4	6010B
7440-66-6	Zinc	83.3	6.0	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.025	0.037	0.025	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>F-10</u>	Lab Sample ID: <u>460-41546-19</u>
Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG ID.: _____	
Matrix: <u>Solid</u>	Date Sampled: <u>06/20/2012 13:48</u>
Reporting Basis: <u>DRY</u>	Date Received: <u>06/20/2012 17:40</u>
% Solids: <u>90.3</u>	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6940	43.4	19.7	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.2	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.9	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	44.6	43.4	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.16	0.43	0.16	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.16	1.1	0.16	mg/Kg	U		4	6010B
7440-70-2	Calcium	1540	1090	76.8	mg/Kg			4	6010B
7440-47-3	Chromium	13.2	2.2	0.93	mg/Kg			4	6010B
7440-48-4	Cobalt	4.9	10.9	0.92	mg/Kg	J		4	6010B
7440-50-8	Copper	12.6	5.4	2.1	mg/Kg			4	6010B
7439-89-6	Iron	11500	32.6	13.1	mg/Kg			4	6010B
7439-92-1	Lead	4.3	1.1	0.93	mg/Kg			4	6010B
7439-95-4	Magnesium	2760	1090	78.1	mg/Kg			4	6010B
7439-96-5	Manganese	155	3.3	0.95	mg/Kg			4	6010B
7440-02-0	Nickel	11.4	8.7	0.95	mg/Kg			4	6010B
7440-09-7	Potassium	1200	1090	116	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.2	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	0.22	2.2	0.22	mg/Kg	U		4	6010B
7440-23-5	Sodium	171	1090	171	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.2	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	16.8	10.9	0.83	mg/Kg			4	6010B
7440-66-6	Zinc	24.2	6.5	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.023	0.034	0.023	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>F-11</u>	Lab Sample ID: <u>460-41546-20</u>
Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG ID.: _____	
Matrix: <u>Solid</u>	Date Sampled: <u>06/20/2012 13:52</u>
Reporting Basis: <u>DRY</u>	Date Received: <u>06/20/2012 17:40</u>
% Solids: <u>89.9</u>	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4220	42.0	19.1	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.1	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.2	1.0	0.99	mg/Kg			4	6010B
7440-39-3	Barium	53.0	42.0	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.15	0.42	0.15	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.51	1.0	0.16	mg/Kg	J		4	6010B
7440-70-2	Calcium	1320	1050	74.3	mg/Kg			4	6010B
7440-47-3	Chromium	11.2	2.1	0.90	mg/Kg			4	6010B
7440-48-4	Cobalt	2.9	10.5	0.89	mg/Kg	J		4	6010B
7440-50-8	Copper	23.1	5.2	2.0	mg/Kg			4	6010B
7439-89-6	Iron	8060	31.5	12.7	mg/Kg			4	6010B
7439-92-1	Lead	23.0	1.0	0.90	mg/Kg			4	6010B
7439-95-4	Magnesium	2150	1050	75.5	mg/Kg			4	6010B
7439-96-5	Manganese	71.8	3.1	0.92	mg/Kg			4	6010B
7440-02-0	Nickel	8.5	8.4	0.92	mg/Kg			4	6010B
7440-09-7	Potassium	1110	1050	112	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.1	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	1.6	2.1	0.21	mg/Kg	J		4	6010B
7440-23-5	Sodium	166	1050	166	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.1	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	12.1	10.5	0.81	mg/Kg			4	6010B
7440-66-6	Zinc	304	6.3	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.73	0.036	0.024	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>F-12</u>	Lab Sample ID: <u>460-41546-21</u>
Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG ID.: _____	
Matrix: <u>Solid</u>	Date Sampled: <u>06/20/2012 15:10</u>
Reporting Basis: <u>DRY</u>	Date Received: <u>06/20/2012 17:40</u>
% Solids: <u>92.7</u>	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5910	40.3	18.3	mg/Kg			4	6010B
7440-36-0	Antimony	1.2	2.0	1.2	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.6	1.0	0.95	mg/Kg			4	6010B
7440-39-3	Barium	43.8	40.3	1.1	mg/Kg			4	6010B
7440-41-7	Beryllium	0.15	0.40	0.15	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.15	1.0	0.15	mg/Kg	U		4	6010B
7440-70-2	Calcium	1520	1010	71.4	mg/Kg			4	6010B
7440-47-3	Chromium	12.2	2.0	0.87	mg/Kg			4	6010B
7440-48-4	Cobalt	4.9	10.1	0.86	mg/Kg	J		4	6010B
7440-50-8	Copper	12.2	5.0	2.0	mg/Kg			4	6010B
7439-89-6	Iron	11700	30.2	12.2	mg/Kg			4	6010B
7439-92-1	Lead	4.2	1.0	0.87	mg/Kg			4	6010B
7439-95-4	Magnesium	2560	1010	72.6	mg/Kg			4	6010B
7439-96-5	Manganese	187	3.0	0.89	mg/Kg			4	6010B
7440-02-0	Nickel	11.1	8.1	0.89	mg/Kg			4	6010B
7440-09-7	Potassium	1230	1010	108	mg/Kg			4	6010B
7782-49-2	Selenium	1.3	2.0	1.3	mg/Kg	U		4	6010B
7440-22-4	Silver	0.20	2.0	0.20	mg/Kg	U		4	6010B
7440-23-5	Sodium	159	1010	159	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.1	2.0	1.1	mg/Kg	U		4	6010B
7440-62-2	Vanadium	15.0	10.1	0.77	mg/Kg			4	6010B
7440-66-6	Zinc	22.9	6.0	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.024	0.036	0.024	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>F-13</u>	Lab Sample ID: <u>460-41546-22</u>
Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG ID.: _____	
Matrix: <u>Solid</u>	Date Sampled: <u>06/20/2012 15:20</u>
Reporting Basis: <u>DRY</u>	Date Received: <u>06/20/2012 17:40</u>
% Solids: <u>90.0</u>	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4970	42.8	19.5	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.1	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.0	1.1	1.0	mg/Kg	U		4	6010B
7440-39-3	Barium	105	42.8	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.15	0.43	0.15	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.23	1.1	0.16	mg/Kg	J		4	6010B
7440-70-2	Calcium	963	1070	75.7	mg/Kg	J		4	6010B
7440-47-3	Chromium	12.6	2.1	0.92	mg/Kg			4	6010B
7440-48-4	Cobalt	2.6	10.7	0.91	mg/Kg	J		4	6010B
7440-50-8	Copper	44.8	5.3	2.1	mg/Kg			4	6010B
7439-89-6	Iron	9500	32.1	12.9	mg/Kg			4	6010B
7439-92-1	Lead	24.2	1.1	0.92	mg/Kg			4	6010B
7439-95-4	Magnesium	2760	1070	77.0	mg/Kg			4	6010B
7439-96-5	Manganese	82.6	3.2	0.94	mg/Kg			4	6010B
7440-02-0	Nickel	7.5	8.6	0.94	mg/Kg	J		4	6010B
7440-09-7	Potassium	1100	1070	114	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.1	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	2.3	2.1	0.21	mg/Kg			4	6010B
7440-23-5	Sodium	169	1070	169	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.1	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	12.7	10.7	0.82	mg/Kg			4	6010B
7440-66-6	Zinc	57.7	6.4	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.67	0.034	0.023	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>FB-E</u>	Lab Sample ID: <u>460-41546-23</u>
Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-41546-1</u>
SDG ID.: _____	
Matrix: <u>Solid</u>	Date Sampled: <u>06/20/2012 00:00</u>
Reporting Basis: <u>DRY</u>	Date Received: <u>06/20/2012 17:40</u>
% Solids: <u>88.1</u>	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12600	42.0	19.1	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.1	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.8	1.1	0.99	mg/Kg			4	6010B
7440-39-3	Barium	148	42.0	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.15	0.42	0.15	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.18	1.1	0.16	mg/Kg	J		4	6010B
7440-70-2	Calcium	2260	1050	74.4	mg/Kg			4	6010B
7440-47-3	Chromium	33.9	2.1	0.90	mg/Kg			4	6010B
7440-48-4	Cobalt	9.8	10.5	0.89	mg/Kg	J		4	6010B
7440-50-8	Copper	21.7	5.3	2.0	mg/Kg			4	6010B
7439-89-6	Iron	22500	31.5	12.7	mg/Kg			4	6010B
7439-92-1	Lead	5.9	1.1	0.90	mg/Kg			4	6010B
7439-95-4	Magnesium	5690	1050	75.6	mg/Kg			4	6010B
7439-96-5	Manganese	326	3.2	0.92	mg/Kg			4	6010B
7440-02-0	Nickel	22.1	8.4	0.92	mg/Kg			4	6010B
7440-09-7	Potassium	4160	1050	112	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.1	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	0.21	2.1	0.21	mg/Kg	U		4	6010B
7440-23-5	Sodium	166	1050	166	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.1	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	41.5	10.5	0.81	mg/Kg			4	6010B
7440-66-6	Zinc	72.4	6.3	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.022	0.034	0.022	mg/Kg	U		1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00054 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00054

Analyte	ICV 460-117953/6 06/28/2012 18:26				CCV 460-117953/30 06/28/2012 19:54				CCV 460-117953/42 06/28/2012 20:38			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124800		125000	100	124300		125000	99	124800		125000	100
Antimony	1001		1000	100	1024		1000	102	1035		1000	104
Arsenic	2464		2500	99	2520		2500	101	2541		2500	102
Barium	10030		10000	100	10180		10000	102	10220		10000	102
Beryllium	1002		1000	100	975.1		1000	98	986.7		1000	99
Cadmium	1255		1250	100	1278		1250	102	1281		1250	102
Calcium	126800		125000	101	122900		125000	98	123700		125000	99
Chromium	5000		5000	100	5088		5000	102	5098		5000	102
Cobalt	2491		2500	100	2517		2500	101	2531		2500	101
Copper	12570		12500	101	12140		12500	97	12270		12500	98
Iron	99840		100000	100	100600		100000	101	101000		100000	101
Lead	7558		7500	101	7660		7500	102	7669		7500	102
Magnesium	122800		125000	98	125100		125000	100	125000		125000	100
Manganese	5109		5000	102	5071		5000	101	5103		5000	102
Nickel	2520		2500	101	2555		2500	102	2568		2500	103
Potassium	49810		50000	100	48170		50000	96	48550		50000	97
Selenium	2419		2500	97	2482		2500	99	2507		2500	100
Silver	1243		1250	99	1248		1250	100	1259		1250	101
Sodium	124100		125000	99	122100		125000	98	122700		125000	98
Thallium	2559		2500	102	2584		2500	103	2597		2500	104
Vanadium	2479		2500	99	2498		2500	100	2512		2500	100
Zinc	2480		2500	99	2502		2500	100	2501		2500	100

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00054 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00054

Analyte	CCV 460-117953/54 06/28/2012 21:21				CCV 460-117953/66 06/28/2012 22:04				CCV 460-117953/78 06/28/2012 22:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	125200		125000	100	125800		125000	101	125300		125000	100
Antimony	1027		1000	103	1028		1000	103	1031		1000	103
Arsenic	2517		2500	101	2533		2500	101	2532		2500	101
Barium	10180		10000	102	10210		10000	102	10230		10000	102
Beryllium	997.4		1000	100	1002		1000	100	986.5		1000	99
Cadmium	1275		1250	102	1281		1250	102	1284		1250	103
Calcium	125200		125000	100	125700		125000	101	124300		125000	99
Chromium	5062		5000	101	5097		5000	102	5117		5000	102
Cobalt	2523		2500	101	2530		2500	101	2532		2500	101
Copper	12460		12500	100	12490		12500	100	12280		12500	98
Iron	100600		100000	101	101300		100000	101	101400		100000	101
Lead	7646		7500	102	7673		7500	102	7686		7500	102
Magnesium	123900		125000	99	125000		125000	100	125700		125000	101
Manganese	5105		5000	102	5136		5000	103	5126		5000	103
Nickel	2554		2500	102	2566		2500	103	2569		2500	103
Potassium	49070		50000	98	49390		50000	99	48850		50000	98
Selenium	2480		2500	99	2504		2500	100	2500		2500	100
Silver	1258		1250	101	1262		1250	101	1262		1250	101
Sodium	124000		125000	99	124600		125000	100	123500		125000	99
Thallium	2581		2500	103	2594		2500	104	2595		2500	104
Vanadium	2499		2500	100	2516		2500	101	2519		2500	101
Zinc	2501		2500	100	2511		2500	100	2513		2500	101

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.: 460-41546-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00054 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00054

Analyte	CCV 460-117953/90 06/28/2012 23:30				CCV 460-117953/101 06/29/2012 00:09							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	125200		125000	100	124500		125000	100				
Antimony	1021		1000	102	1027		1000	103				
Arsenic	2507		2500	100	2511		2500	100				
Barium	10160		10000	102	10140		10000	101				
Beryllium	994.7		1000	99	983.6		1000	98				
Cadmium	1273		1250	102	1273		1250	102				
Calcium	125100		125000	100	123700		125000	99				
Chromium	5083		5000	102	5041		5000	101				
Cobalt	2520		2500	101	2513		2500	101				
Copper	12420		12500	99	12300		12500	98				
Iron	100900		100000	101	100100		100000	100				
Lead	7651		7500	102	7624		7500	102				
Magnesium	124600		125000	100	123500		125000	99				
Manganese	5136		5000	103	5073		5000	101				
Nickel	2550		2500	102	2545		2500	102				
Potassium	49010		50000	98	48450		50000	97				
Selenium	2481		2500	99	2482		2500	99				
Silver	1258		1250	101	1248		1250	100				
Sodium	123700		125000	99	123000		125000	98				
Thallium	2575		2500	103	2573		2500	103				
Vanadium	2511		2500	100	2488		2500	100				
Zinc	2501		2500	100	2492		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.: 460-41546-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00054 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00054

Analyte	ICV 460-118065/6 06/29/2012 10:59				CCV 460-118065/18 06/29/2012 11:43							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	99800		100000	100	101500		100000	102				
<i>Aluminum</i>	124900		125000	100	125600		125000	100				
<i>Antimony</i>	1008		1000	101	1027		1000	103				
<i>Arsenic</i>	2467		2500	99	2523		2500	101				
<i>Barium</i>	10040		10000	100	10210		10000	102				
<i>Beryllium</i>	1003		1000	100	986.4		1000	99				
<i>Cadmium</i>	1257		1250	101	1282		1250	103				
<i>Calcium</i>	126700		125000	101	125000		125000	100				
<i>Chromium</i>	4990		5000	100	5095		5000	102				
<i>Cobalt</i>	2489		2500	100	2527		2500	101				
<i>Copper</i>	12600		12500	101	12400		12500	99				
<i>Lead</i>	7556		7500	101	7689		7500	103				
<i>Magnesium</i>	122600		125000	98	125800		125000	101				
<i>Manganese</i>	5125		5000	103	5157		5000	103				
<i>Nickel</i>	2513		2500	101	2555		2500	102				
<i>Potassium</i>	49870		50000	100	49330		50000	99				
<i>Selenium</i>	2424		2500	97	2484		2500	99				
<i>Silver</i>	1242		1250	99	1258		1250	101				
<i>Sodium</i>	124400		125000	100	124700		125000	100				
<i>Thallium</i>	2556		2500	102	2594		2500	104				
<i>Vanadium</i>	2476		2500	99	2508		2500	100				
<i>Zinc</i>	2480		2500	99	2524		2500	101				

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.: 460-41546-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00546 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00546

Analyte	ICV 460-117140/26-A 06/22/2012 14:49				CCV 460-117140/27-A 06/22/2012 15:12				CCV 460-117140/27-A 06/22/2012 15:37			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	810.0		833	97	823.3		833	99	863.3		833	104

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00546 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00546

Analyte	CCV 460-117140/27-A 06/22/2012 15:46											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	836.7		833	100								

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00546 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00546

Analyte	ICV 460-117199/7-A 06/22/2012 19:55				CCV 460-117199/8-A 06/22/2012 20:19				CCV 460-117199/8-A 06/22/2012 20:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	820.0		833	98	838.3		833	101	838.3		833	101

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00546 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00546

Analyte	CCV 460-117199/8-A 06/22/2012 20:57				CCV 460-117199/8-A 06/22/2012 21:19							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	841.7		833	101	836.7		833	100				

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Concentration Units: ug/L

Analyte	RL	ICB 460-117953/7 06/28/2012 18:30		CCB 460-117953/31 06/28/2012 19:58		CCB 460-117953/43 06/28/2012 20:41		CCB 460-117953/55 06/28/2012 21:24	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	72.1	U	72.1	U	72.1	U	72.1	U
Antimony	10.0	7.4	U	7.4	U	7.4	U	7.4	U
Arsenic	5.0	3.7	U	3.7	U	3.7	U	3.7	U
Barium	200	5.9	U	5.9	U	5.9	U	5.9	U
Beryllium	2.0	0.78	U	0.78	U	0.78	U	0.78	U
Cadmium	5.0	0.82	U	0.82	U	0.82	U	0.82	U
Calcium	5000	305	U	305	U	305	U	305	U
Chromium	10.0	4.5	U	4.5	U	4.5	U	4.5	U
Cobalt	50.0	4.3	U	4.3	U	4.3	U	4.3	U
Copper	25.0	7.8	U	7.8	U	7.8	U	7.8	U
Iron	150	73.6	U	73.6	U	73.6	U	73.6	U
Lead	5.0	4.0	U	4.0	U	4.0	U	4.0	U
Magnesium	5000	321	U	321	U	321	U	321	U
Manganese	15.0	4.3	U	4.3	U	4.3	U	4.3	U
Nickel	40.0	5.0	U	5.0	U	5.0	U	5.0	U
Potassium	5000	525	U	525	U	525	U	525	U
Selenium	10.0	5.8	U	5.8	U	5.8	U	5.8	U
Silver	10.0	1.3	U	1.3	U	1.3	U	1.3	U
Sodium	5000	821	U	821	U	821	U	821	U
Thallium	10.0	5.2	U	5.2	U	5.2	U	5.2	U
Vanadium	50.0	4.0	U	4.0	U	4.0	U	4.0	U
Zinc	30.0	5.8	U	5.8	U	5.8	U	5.8	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-117953/67 06/28/2012 22:07		CCB 460-117953/79 06/28/2012 22:50		CCB 460-117953/91 06/28/2012 23:33		CCB 460-117953/102 06/29/2012 00:12	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	72.1	U	72.1	U	72.1	U	72.1	U
Antimony	10.0	7.4	U	7.4	U	7.4	U	7.4	U
Arsenic	5.0	3.7	U	3.7	U	3.7	U	3.7	U
Barium	200	5.9	U	5.9	U	5.9	U	5.9	U
Beryllium	2.0	0.78	U	0.78	U	0.78	U	0.78	U
Cadmium	5.0	0.82	U	0.82	U	0.82	U	0.82	U
Calcium	5000	305	U	305	U	305	U	305	U
Chromium	10.0	4.5	U	4.5	U	4.5	U	4.5	U
Cobalt	50.0	4.3	U	4.3	U	4.3	U	4.3	U
Copper	25.0	7.93	J	7.8	U	10.55	J	7.8	U
Iron	150	73.6	U	73.6	U	73.6	U	73.6	U
Lead	5.0	4.0	U	4.0	U	4.0	U	4.0	U
Magnesium	5000	321	U	321	U	321	U	321	U
Manganese	15.0	4.3	U	4.3	U	4.3	U	4.3	U
Nickel	40.0	5.0	U	5.0	U	5.0	U	5.0	U
Potassium	5000	525	U	525	U	525	U	525	U
Selenium	10.0	5.8	U	5.8	U	5.8	U	5.8	U
Silver	10.0	1.3	U	1.3	U	1.3	U	1.3	U
Sodium	5000	821	U	821	U	821	U	821	U
Thallium	10.0	5.2	U	5.2	U	5.2	U	5.2	U
Vanadium	50.0	4.0	U	4.0	U	4.0	U	4.0	U
Zinc	30.0	5.8	U	5.8	U	5.8	U	5.8	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-118065/7 06/29/2012 11:02		CCB 460-118065/19 06/29/2012 11:46					
		Found	C	Found	C	Found	C	Found	C
Iron	150	73.6	U	73.6	U				
<i>Aluminum</i>	200	72.1	U	72.1	U				
<i>Antimony</i>	10.0	7.4	U	7.4	U				
<i>Arsenic</i>	5.0	3.7	U	3.7	U				
<i>Barium</i>	200	5.9	U	5.9	U				
<i>Beryllium</i>	2.0	0.78	U	0.78	U				
<i>Cadmium</i>	5.0	0.82	U	0.82	U				
<i>Calcium</i>	5000	305	U	305	U				
<i>Chromium</i>	10.0	4.5	U	4.5	U				
<i>Cobalt</i>	50.0	4.3	U	4.3	U				
<i>Copper</i>	25.0	7.8	U	7.8	U				
<i>Lead</i>	5.0	4.0	U	4.0	U				
<i>Magnesium</i>	5000	321	U	321	U				
<i>Manganese</i>	15.0	4.3	U	4.3	U				
<i>Nickel</i>	40.0	5.0	U	5.0	U				
<i>Potassium</i>	5000	525	U	525	U				
<i>Selenium</i>	10.0	5.8	U	5.8	U				
<i>Silver</i>	10.0	1.3	U	1.3	U				
<i>Sodium</i>	5000	821	U	821	U				
<i>Thallium</i>	10.0	5.2	U	5.2	U				
<i>Vanadium</i>	50.0	4.0	U	4.0	U				
<i>Zinc</i>	30.0	5.8	U	5.8	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-117198/8 06/22/2012 14:51		CCB 460-117198/20 06/22/2012 15:14		CCB 460-117198/32 06/22/2012 15:39		CCB 460-117198/36 06/22/2012 15:47	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U	0.16	U	0.16	U	0.16	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-117216/8 06/22/2012 19:56		CCB 460-117216/18 06/22/2012 20:21		CCB 460-117216/27 06/22/2012 20:41		CCB 460-117216/36 06/22/2012 20:59	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U	0.16	U	0.16	U	0.16	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-117216/41 06/22/2012 21:21							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U						

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-117772/1-A ^2
 Instrument Code: ICP4 Batch No.: 117953

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	9.1	U		6010B
7440-36-0	Antimony	0.62	U		6010B
7440-38-2	Arsenic	0.47	U		6010B
7440-39-3	Barium	0.57	U		6010B
7440-41-7	Beryllium	0.072	U		6010B
7440-43-9	Cadmium	0.074	U		6010B
7440-70-2	Calcium	35.4	U		6010B
7440-47-3	Chromium	0.43	U		6010B
7440-48-4	Cobalt	0.43	U		6010B
7440-50-8	Copper	0.97	U		6010B
7439-89-6	Iron	6.1	U		6010B
7439-92-1	Lead	0.43	U		6010B
7439-95-4	Magnesium	36.0	U		6010B
7439-96-5	Manganese	0.44	U		6010B
7440-02-0	Nickel	0.44	U		6010B
7440-09-7	Potassium	53.5	U		6010B
7782-49-2	Selenium	0.66	U		6010B
7440-22-4	Silver	0.10	U		6010B
7440-23-5	Sodium	79.0	U		6010B
7440-28-0	Thallium	0.57	U		6010B
7440-62-2	Vanadium	0.38	U		6010B
7440-66-6	Zinc	0.54	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-117773/1-A ^2
 Instrument Code: ICP4 Batch No.: 117953

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	9.1	U		6010B
7440-36-0	Antimony	0.62	U		6010B
7440-38-2	Arsenic	0.47	U		6010B
7440-39-3	Barium	0.57	U		6010B
7440-41-7	Beryllium	0.072	U		6010B
7440-43-9	Cadmium	0.074	U		6010B
7440-70-2	Calcium	35.4	U		6010B
7440-47-3	Chromium	0.43	U		6010B
7440-48-4	Cobalt	0.43	U		6010B
7440-50-8	Copper	0.97	U		6010B
7439-89-6	Iron	6.1	U		6010B
7439-92-1	Lead	0.43	U		6010B
7439-95-4	Magnesium	36.0	U		6010B
7439-96-5	Manganese	0.44	U		6010B
7440-02-0	Nickel	0.44	U		6010B
7440-09-7	Potassium	53.5	U		6010B
7782-49-2	Selenium	0.66	U		6010B
7440-22-4	Silver	0.10	U		6010B
7440-23-5	Sodium	79.0	U		6010B
7440-28-0	Thallium	0.57	U		6010B
7440-62-2	Vanadium	0.38	U		6010B
7440-66-6	Zinc	0.54	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 460-117140/1-A
Instrument Code: LEEMAN3 Batch No.: 117198

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.022	U		7471A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 460-117199/10-A
Instrument Code: LEEMAN5 Batch No.: 117216

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.022	U		7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-117953/8 Instrument ID: ICP4
 Lab File ID: 06282012A.asc ICS Source: ME_ICSA_Duo_00039
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	503800	101
Antimony		-1.56	
Arsenic		0.975	
Barium		-1.40	
Beryllium		-0.0884	
Cadmium		0.495	
Calcium	500000	474300	95
Chromium		0.169	
Cobalt		-0.526	
Copper		4.77	
Iron	200000	197200	99
Lead		3.33	
Magnesium	500000	504200	101
Manganese		-3.10	
Nickel		-0.181	
Potassium		-178	
Selenium		-2.24	
Silver		-1.33	
Sodium		-33.0	
Thallium		-0.672	
Vanadium		-3.76	
Zinc		0.0460	
<i>Boron</i>		<i>2.06</i>	
<i>Molybdenum</i>		<i>-1.42</i>	
<i>Strontium</i>		<i>-0.0031</i>	
<i>Tin</i>		<i>2.82</i>	
<i>Titanium</i>		<i>-6.60</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.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-117953/9 Instrument ID: ICP4
 Lab File ID: 06282012A.asc ICS Source: ME_ICSAB_DUO_00038
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	512700	103
Antimony	100	98.6	99
Arsenic	100	98.9	99
Barium	100	102	102
Beryllium	100	99.1	99
Cadmium	100	99.6	100
Calcium	500000	480700	96
Chromium	100	101	101
Cobalt	100	97.1	97
Copper	100	103	103
Iron	200000	201700	101
Lead	100	101	101
Magnesium	500000	521400	104
Manganese	100	98.8	99
Nickel	100	97.5	97
Potassium	10000	10500	105
Selenium	100	96.5	97
Silver	100	107	107
Sodium	10000	10790	108
Thallium	100	96.1	96
Vanadium	100	97.0	97
Zinc	100	105	105
<i>Boron</i>	<i>100</i>	<i>103</i>	<i>103</i>
<i>Molybdenum</i>	<i>100</i>	<i>96.8</i>	<i>97</i>
<i>Strontium</i>	<i>100</i>	<i>104</i>	<i>104</i>
<i>Tin</i>	<i>100</i>	<i>100</i>	<i>100</i>
<i>Titanium</i>	<i>100</i>	<i>91.6</i>	<i>92</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.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-118065/8 Instrument ID: ICP4
 Lab File ID: 06292012.asc ICS Source: ME_ICSA_Duo_00039
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Iron	200000	198000	99
<i>Aluminum</i>	<i>500000</i>	<i>506700</i>	<i>101</i>
<i>Antimony</i>		<i>-1.16</i>	
<i>Arsenic</i>		<i>-8.49</i>	
<i>Barium</i>		<i>-2.09</i>	
<i>Beryllium</i>		<i>-0.225</i>	
<i>Boron</i>		<i>0.465</i>	
<i>Cadmium</i>		<i>0.964</i>	
<i>Calcium</i>	<i>500000</i>	<i>482800</i>	<i>97</i>
<i>Chromium</i>		<i>0.268</i>	
<i>Cobalt</i>		<i>-0.663</i>	
<i>Copper</i>		<i>0.595</i>	
<i>Lead</i>		<i>5.31</i>	
<i>Magnesium</i>	<i>500000</i>	<i>506900</i>	<i>101</i>
<i>Manganese</i>		<i>-2.83</i>	
<i>Molybdenum</i>		<i>-2.74</i>	
<i>Nickel</i>		<i>0.872</i>	
<i>Potassium</i>		<i>28.7</i>	
<i>Selenium</i>		<i>-3.50</i>	
<i>Silver</i>		<i>-0.210</i>	
<i>Sodium</i>		<i>33.7</i>	
<i>Strontium</i>		<i>-0.347</i>	
<i>Thallium</i>		<i>-3.98</i>	
<i>Tin</i>		<i>0.597</i>	
<i>Titanium</i>		<i>3.73</i>	
<i>Vanadium</i>		<i>-3.86</i>	
<i>Zinc</i>		<i>0.447</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.: 460-41546-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-118065/9 Instrument ID: ICP4
 Lab File ID: 06292012.asc ICS Source: ME_ICSAB_DUO_00038
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Iron	200000	198400	99
<i>Aluminum</i>	<i>500000</i>	<i>507600</i>	<i>101</i>
<i>Antimony</i>	<i>100</i>	<i>91.8</i>	<i>92</i>
<i>Arsenic</i>	<i>100</i>	<i>90.4</i>	<i>90</i>
<i>Barium</i>	<i>100</i>	<i>98.8</i>	<i>99</i>
<i>Beryllium</i>	<i>100</i>	<i>98.7</i>	<i>99</i>
<i>Boron</i>	<i>100</i>	<i>99.7</i>	<i>100</i>
<i>Cadmium</i>	<i>100</i>	<i>97.6</i>	<i>98</i>
<i>Calcium</i>	<i>500000</i>	<i>484700</i>	<i>97</i>
<i>Chromium</i>	<i>100</i>	<i>98.3</i>	<i>98</i>
<i>Cobalt</i>	<i>100</i>	<i>95.6</i>	<i>96</i>
<i>Copper</i>	<i>100</i>	<i>96.8</i>	<i>97</i>
<i>Lead</i>	<i>100</i>	<i>99.6</i>	<i>100</i>
<i>Magnesium</i>	<i>500000</i>	<i>507200</i>	<i>101</i>
<i>Manganese</i>	<i>100</i>	<i>98.4</i>	<i>98</i>
<i>Molybdenum</i>	<i>100</i>	<i>94.4</i>	<i>94</i>
<i>Nickel</i>	<i>100</i>	<i>95.3</i>	<i>95</i>
<i>Potassium</i>	<i>10000</i>	<i>10530</i>	<i>105</i>
<i>Selenium</i>	<i>100</i>	<i>91.5</i>	<i>91</i>
<i>Silver</i>	<i>100</i>	<i>107</i>	<i>107</i>
<i>Sodium</i>	<i>10000</i>	<i>10700</i>	<i>107</i>
<i>Strontium</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Thallium</i>	<i>100</i>	<i>94.6</i>	<i>95</i>
<i>Tin</i>	<i>100</i>	<i>97.9</i>	<i>98</i>
<i>Titanium</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Vanadium</i>	<i>100</i>	<i>95.2</i>	<i>95</i>
<i>Zinc</i>	<i>100</i>	<i>97.1</i>	<i>97</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: PH-5 MS Lab ID: 460-41546-5 MS
Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/Kg
% Solids: 94.5

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.172	0.023 U	0.176	98	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: F-12 MS

Lab ID: 460-41546-21 MS

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 92.7

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	7052	5910	209	547	75-125	4	6010B
Antimony	35.60	1.2 U	52.3	68	75-125	F	6010B
Arsenic	198.0	1.6	209	94	75-125		6010B
Barium	264.7	43.8	209	105	75-125		6010B
Beryllium	5.25	0.15 U	5.23	100	75-125		6010B
Cadmium	5.33	0.15 U	5.23	102	75-125		6010B
Calcium	3951	1520	2090	116	75-125		6010B
Chromium	34.82	12.2	20.9	108	75-125		6010B
Cobalt	57.83	4.9 J	52.3	101	75-125		6010B
Copper	38.69	12.2	26.2	101	75-125		6010B
Iron	10990	11700	105	-658	75-125	4	6010B
Lead	57.69	4.2	52.3	102	75-125		6010B
Magnesium	4906	2560	2090	112	75-125		6010B
Manganese	243.3	187	52.3	107	75-125		6010B
Nickel	65.06	11.1	52.3	103	75-125		6010B
Potassium	3350	1230	2090	101	75-125		6010B
Selenium	195.1	1.3 U	209	93	75-125		6010B
Silver	4.91	0.20 U	5.23	94	75-125		6010B
Sodium	2069	159 U	2090	99	75-125		6010B
Thallium	221.3	1.1 U	209	106	75-125		6010B
Vanadium	67.42	15.0	52.3	100	75-125		6010B
Zinc	74.71	22.9	52.3	99	75-125		6010B
Mercury	0.191	0.024 U	0.180	106	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: 460-41778-B-1-D MS ^4
 Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 96.6

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	14170	9690	188	2378	75-125	4	6010B
Antimony	27.06	1.2 U	47.0	58	75-125	F	6010B
Arsenic	175.1	2.6	188	92	75-125		6010B
Barium	227.3	36.1 J	188	102	75-125		6010B
Beryllium	4.95	0.37 J	4.70	97	75-125		6010B
Cadmium	4.69	0.15 U	4.70	100	75-125		6010B
Calcium	2842	667 J	1880	116	75-125		6010B
Chromium	35.77	22.3	18.8	72	75-125	F	6010B
Cobalt	52.43	4.9 J	47.0	101	75-125		6010B
Copper	30.65	8.6	23.5	94	75-125		6010B
Iron	19870	19100	94.1	872	75-125	4	6010B
Lead	57.98	9.9	47.0	102	75-125		6010B
Magnesium	2911	990	1880	102	75-125		6010B
Manganese	226.8	145	47.0	173	75-125	F	6010B
Nickel	55.76	7.4 J	47.0	103	75-125		6010B
Potassium	2264	438 J	1880	97	75-125		6010B
Selenium	170.8	1.3 U	188	91	75-125		6010B
Silver	4.24	0.20 U	4.70	90	75-125		6010B
Sodium	1777	156 U	1880	94	75-125		6010B
Thallium	193.3	1.1 U	188	103	75-125		6010B
Vanadium	73.28	26.0	47.0	101	75-125		6010B
Zinc	66.33	18.1	47.0	102	75-125		6010B

SSR = Spiked Sample Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: F-12 PDS

Lab ID: 460-41546-21 PDS

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

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	6215	5910	403	NC	75-125		6010B
Antimony	86.91	1.2 U	101	86	75-125		6010B
Arsenic	378.4	1.6	403	93	75-125		6010B
Barium	444.7	43.8	403	99	75-125		6010B
Beryllium	9.81	0.15 U	10.1	97	75-125		6010B
Cadmium	10.06	0.15 U	10.1	100	75-125		6010B
Calcium	5415	1520	4030	97	75-125		6010B
Chromium	52.35	12.2	40.3	100	75-125		6010B
Cobalt	105.2	4.9 J	101	100	75-125		6010B
Copper	60.64	12.2	50.4	96	75-125		6010B
Iron	11770	11700	202	NC	75-125		6010B
Lead	105.9	4.2	101	101	75-125		6010B
Magnesium	6330	2560	4030	93	75-125		6010B
Manganese	285.7	187	101	98	75-125		6010B
Nickel	112.7	11.1	101	101	75-125		6010B
Potassium	4876	1230	4030	90	75-125		6010B
Selenium	373.7	1.3 U	403	93	75-125		6010B
Silver	9.41	0.20 U	10.1	93	75-125		6010B
Sodium	3838	159 U	4030	95	75-125		6010B
Thallium	418.9	1.1 U	403	104	75-125		6010B
Vanadium	112.4	15.0	101	97	75-125		6010B
Zinc	120.7	22.9	101	97	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: 460-41778-B-1-B PDS ^4
 Lab Name: TestAmerica Edison Job No.: 460-41546-1
 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	10120	9690	394	NC	75-125		6010B
Antimony	88.16	1.2 U	98.6	89	75-125		6010B
Arsenic	364.1	2.6	394	92	75-125		6010B
Barium	420.9	36.1 J	394	98	75-125		6010B
Beryllium	9.67	0.37 J	9.86	94	75-125		6010B
Cadmium	9.64	0.15 U	9.86	98	75-125		6010B
Calcium	4448	667 J	3940	96	75-125		6010B
Chromium	60.76	22.3	39.4	98	75-125		6010B
Cobalt	101.3	4.9 J	98.6	98	75-125		6010B
Copper	54.75	8.6	49.3	94	75-125		6010B
Iron	19280	19100	197	NC	75-125		6010B
Lead	107.6	9.9	98.6	99	75-125		6010B
Magnesium	4593	990	3940	91	75-125		6010B
Manganese	244.1	145	98.6	100	75-125		6010B
Nickel	105.0	7.4 J	98.6	99	75-125		6010B
Potassium	3957	438 J	3940	89	75-125		6010B
Selenium	359.6	1.3 U	394	91	75-125		6010B
Silver	8.97	0.20 U	9.86	91	75-125		6010B
Sodium	3635	156 U	3940	92	75-125		6010B
Thallium	399.0	1.1 U	394	101	75-125		6010B
Vanadium	119.7	26.0	98.6	95	75-125		6010B
Zinc	111.8	18.1	98.6	95	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: PH-5 DU Lab ID: 460-41546-5 DU
Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
% Solids for Sample: 94.5 % Solids for Duplicate: 94.5
Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.035	0.023 U	0.023 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: F-12 DU

Lab ID: 460-41546-21 DU

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

SDG No.: _____

% Solids for Sample: 92.8

% Solids for Duplicate: 92.8

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	42.3	5910	6014	2		6010B
Antimony	2.1	1.2 U	1.3 U	NC		6010B
Arsenic	1.1	1.6	1.44	12		6010B
Barium	42.3	43.8	47.07	7		6010B
Beryllium	0.42	0.15 U	0.15 U	NC		6010B
Cadmium	1.1	0.15 U	0.16 U	NC		6010B
Calcium	1060	1520	1675	10		6010B
Chromium	2.1	12.2	12.49	3		6010B
Cobalt	10.6	4.9 J	4.73 J	4		6010B
Copper	5.3	12.2	12.16	0.09		6010B
Iron	31.7	11700	10240	13		6010B
Lead	1.1	4.2	4.00	5		6010B
Magnesium	1060	2560	2784	8		6010B
Manganese	3.2	187	180.3	4		6010B
Nickel	8.5	11.1	10.78	3		6010B
Potassium	1060	1230	1244	1		6010B
Selenium	2.1	1.3 U	1.4 U	NC		6010B
Silver	2.1	0.20 U	0.21 U	NC		6010B
Sodium	1060	159 U	167 U	NC		6010B
Thallium	2.1	1.1 U	1.2 U	NC		6010B
Vanadium	10.6	15.0	14.66	2		6010B
Zinc	6.3	22.9	22.11	3		6010B
Mercury	0.036	0.024 U	0.024 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: 460-41778-B-1-C DU ^4
 Lab Name: TestAmerica Edison Job No.: 460-41546-1
 SDG No.: _____
 % Solids for Sample: 96.6 % Solids for Duplicate: 96.6
 Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	38.3	9690	10090	4		6010B
Antimony	1.9	1.2 U	1.2 U	NC		6010B
Arsenic	0.96	2.6	2.78	7		6010B
Barium	38.3	36.1 J	35.59 J	1		6010B
Beryllium	0.38	0.37 J	0.344 J	7		6010B
Cadmium	0.96	0.15 U	0.14 U	NC		6010B
Calcium	958	667 J	1419	72		6010B
Chromium	1.9	22.3	17.00	27	F	6010B
Cobalt	9.6	4.9 J	5.20 J	5		6010B
Copper	4.8	8.6	6.28	31		6010B
Iron	28.7	19100	18380	4		6010B
Lead	0.96	9.9	10.98	10		6010B
Magnesium	958	990	1137	14		6010B
Manganese	2.9	145	154.1	6		6010B
Nickel	7.7	7.4 J	10.73	36		6010B
Potassium	958	438 J	436.8 J	0.2		6010B
Selenium	1.9	1.3 U	1.3 U	NC		6010B
Silver	1.9	0.20 U	0.19 U	NC		6010B
Sodium	958	156 U	151 U	NC		6010B
Thallium	1.9	1.1 U	1.1 U	NC		6010B
Vanadium	9.6	26.0	24.63	5		6010B
Zinc	5.7	18.1	18.37	1		6010B

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-117772/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

Sample Matrix: Solid

LCS Source: ME_LCSS_75_00003

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	10000	6050		60	45	154		6010B
Antimony	112	180.8		162	20	253		6010B
Arsenic	235	230.5		98	71	129		6010B
Barium	250	249.3		100	74	126		6010B
Beryllium	92.4	90.83		98	74	125		6010B
Cadmium	189	194.1		103	73	126		6010B
Calcium	6770	6570		97	74	125		6010B
Chromium	127	128.0		101	70	129		6010B
Cobalt	176	186.4		106	74	125		6010B
Copper	122	119.8		98	75	125		6010B
Iron	13000	11470		88	33	167		6010B
Lead	102	106.7		105	71	128		6010B
Magnesium	2960	2517		85	66	134		6010B
Manganese	330	334.3		101	75	124		6010B
Nickel	117	123.6		106	73	127		6010B
Potassium	2840	2200		77	62	137		6010B
Selenium	109	106.9		98	66	134		6010B
Silver	46.8	46.06		98	66	133		6010B
Sodium	545	505.1	J	93	52	147		6010B
Thallium	156	171.5		110	68	131		6010B
Vanadium	118	115.5		98	68	131		6010B
Zinc	181	177.7		98	69	130		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 460-117773/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

Sample Matrix: Solid

LCS Source: ME_LCSS_75_00003

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	9900	6198		63	45	154		6010B
Antimony	111	178.4		161	20	253		6010B
Arsenic	232	226.1		97	71	129		6010B
Barium	247	246.1		100	74	126		6010B
Beryllium	91.5	89.61		98	74	125		6010B
Cadmium	187	187.3		100	73	126		6010B
Calcium	6710	6510		97	74	125		6010B
Chromium	125	125.3		100	70	129		6010B
Cobalt	175	181.7		104	74	125		6010B
Copper	121	116.1		96	75	125		6010B
Iron	12800	11690		91	33	167		6010B
Lead	101	104.9		104	71	128		6010B
Magnesium	2930	2522		86	66	134		6010B
Manganese	326	334.3		102	75	124		6010B
Nickel	116	119.7		103	73	127		6010B
Potassium	2810	2225		79	62	137		6010B
Selenium	108	104.0		96	66	134		6010B
Silver	46.4	45.20		97	66	133		6010B
Sodium	539	491.2	J	91	52	147		6010B
Thallium	155	171.7		111	68	131		6010B
Vanadium	117	114.5		98	68	131		6010B
Zinc	179	173.9		97	69	130		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 460-117140/2-A ^20

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

Sample Matrix: Solid

LCS Source: ME_LCSS_75_00003

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	12.4	12.23		99	51	148		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 460-117199/11-A ^10

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

Sample Matrix: Solid

LCS Source: ME_LCSS_75_00003

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	12.4	11.65		94	51	148		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: 460-41546-21

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-41546-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	5910		5863		0.73		6010B
Antimony	1.2	U	6.2	U	NC		6010B
Arsenic	1.6		4.7	U	NC		6010B
Barium	43.8		43.30	J	NC		6010B
Beryllium	0.15	U	0.73	U	NC		6010B
Cadmium	0.15	U	0.75	U	NC		6010B
Calcium	1520		1527	J	NC		6010B
Chromium	12.2		12.22		NC		6010B
Cobalt	4.9	J	5.08	J	NC		6010B
Copper	12.2		15.30	J	NC		6010B
Iron	11700		11690		0.10		6010B
Lead	4.2		4.3	U	NC		6010B
Magnesium	2560		2574	J	NC		6010B
Manganese	187		187.3		0.01		6010B
Nickel	11.1		11.11	J	NC		6010B
Potassium	1230		1251	J	NC		6010B
Selenium	1.3	U	6.7	U	NC		6010B
Silver	0.20	U	1.0	U	NC		6010B
Sodium	159	U	796	U	NC		6010B
Thallium	1.1	U	5.7	U	NC		6010B
Vanadium	15.0		14.75	J	NC		6010B
Zinc	22.9		22.82	J	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: 460-41778-B-1-B SD ^20

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-41546-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	9690		9946		2.6		6010B
Antimony	1.2	U	6.1	U	NC		6010B
Arsenic	2.6		5.46		NC		6010B
Barium	36.1	J	36.18	J	NC		6010B
Beryllium	0.37	J	0.71	U	NC		6010B
Cadmium	0.15	U	0.73	U	NC		6010B
Calcium	667	J	713.0	J	NC		6010B
Chromium	22.3		22.19		NC		6010B
Cobalt	4.9	J	5.05	J	NC		6010B
Copper	8.6		10.61	J	NC		6010B
Iron	19100		19450		2.1		6010B
Lead	9.9		12.20		NC		6010B
Magnesium	990		1014	J	NC		6010B
Manganese	145		149.7		3.1		6010B
Nickel	7.4	J	7.40	J	NC		6010B
Potassium	438	J	533.0	J	NC		6010B
Selenium	1.3	U	6.5	U	NC		6010B
Silver	0.20	U	0.99	U	NC		6010B
Sodium	156	U	779	U	NC		6010B
Thallium	1.1	U	5.6	U	NC		6010B
Vanadium	26.0		26.03	J	NC		6010B
Zinc	18.1		18.79	J	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: 460-41546-5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-41546-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Mercury	0.023	U	0.12	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: 460-41546-21

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-41546-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Mercury	0.024	U	0.12	U	NC		7471A

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-41546-1
 SDG Number: _____
 Matrix: Solid Instrument ID: ICP4
 Method: 6010B MDL Date: 02/08/2012 17:17
 Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		40	18.2
Antimony		2	1.24
Arsenic		1	0.94
Barium		40	1.14
Beryllium		0.4	0.144
Cadmium		1	0.148
Calcium		1000	70.8
Chromium		2	0.86
Cobalt		10	0.852
Copper		5	1.94
Iron		30	12.1
Lead		1	0.86
Magnesium		1000	72
Manganese		3	0.88
Nickel		8	0.88
Potassium		1000	107
Selenium		2	1.32
Silver		2	0.2
Sodium		1000	158
Thallium		2	1.13
Vanadium		10	0.768
Zinc		6	1.08

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-41546-1
SDG Number: _____
Matrix: Solid Instrument ID: ICP4
Method: 6010B XMDL Date: 11/14/2011 14:14

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	72.11
Antimony		10	7.351
Arsenic		5	3.729
Barium		200	5.944
Beryllium		2	0.776
Cadmium		5	0.818
Calcium		5000	304.6
Chromium		10	4.46
Cobalt		50	4.272
Copper		25	7.838
Iron		150	73.6
Lead		5	4.012
Magnesium		5000	321.4
Manganese		15	4.303
Nickel		40	4.981
Potassium		5000	524.8
Selenium		10	5.758
Silver		10	1.339
Sodium		5000	820.7
Thallium		10	5.247
Vanadium		50	4.044
Zinc		30	5.849

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-41546-1
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: 460-41546-1
SDG Number: _____
Matrix: Solid Instrument ID: LEEMAN3
Method: 7471A XMDL Date: 11/14/2011 14:17

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-41546-1
SDG Number: _____
Matrix: Solid Instrument ID: LEEMAN5
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: 460-41546-1
SDG Number: _____
Matrix: Solid Instrument ID: LEEMAN5
Method: 7471A XMDL Date: 11/14/2011 14:17

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Edison

Job No: 460-41546-1

SDG No.: _____

Instrument ID: ICP4

Date: 01/05/2012 09:24

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		1000000	6010B
Antimony		8000	6010B
Arsenic		20000	6010B
Barium		80000	6010B
Beryllium		8000	6010B
Cadmium		10000	6010B
Calcium		1000000	6010B
Chromium		40000	6010B
Cobalt		20000	6010B
Copper		100000	6010B
Iron		800000	6010B
Lead		60000	6010B
Magnesium		1000000	6010B
Manganese		40000	6010B
Nickel		20000	6010B
Potassium		400000	6010B
Selenium		20000	6010B
Silver		10000	6010B
Sodium		1000000	6010B
Thallium		20000	6010B
Vanadium		20000	6010B
Zinc		20000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-117772/1-A ^2	06/28/2012 07:17	117772	1.00		50
LCSSRM 460-117772/2-A ^4	06/28/2012 07:17	117772	1.01		50
460-41778-B-1-C DU ^4	06/28/2012 07:17	117772	1.08		50
460-41778-B-1-D MS ^4	06/28/2012 07:17	117772	1.10		50
460-41546-1	06/28/2012 07:17	117772	1.02		50
460-41546-2	06/28/2012 07:17	117772	1.06		50
460-41546-3	06/28/2012 07:17	117772	1.11		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-117773/1-A ^2	06/28/2012 07:32	117773	1.00		50
LCSSRM 460-117773/2-A ^4	06/28/2012 07:32	117773	1.02		50
460-41546-21	06/28/2012 07:32	117773	1.07		50
460-41546-21 DU	06/28/2012 07:32	117773	1.02		50
460-41546-21 MS	06/28/2012 07:32	117773	1.03		50
460-41546-4	06/28/2012 07:32	117773	1.10		50
460-41546-5	06/28/2012 07:32	117773	1.10		50
460-41546-6	06/28/2012 07:32	117773	1.11		50
460-41546-7	06/28/2012 07:32	117773	1.05		50
460-41546-8	06/28/2012 07:32	117773	1.13		50
460-41546-9	06/28/2012 07:32	117773	1.07		50
460-41546-10	06/28/2012 07:32	117773	1.07		50
460-41546-11	06/28/2012 07:32	117773	1.10		50
460-41546-12	06/28/2012 07:32	117773	1.05		50
460-41546-13	06/28/2012 07:32	117773	1.09		50
460-41546-14	06/28/2012 07:32	117773	1.02		50
460-41546-15	06/28/2012 07:32	117773	1.15		50
460-41546-16	06/28/2012 07:32	117773	1.08		50
460-41546-17	06/28/2012 07:32	117773	1.06		50
460-41546-18	06/28/2012 07:32	117773	1.12		50
460-41546-19	06/28/2012 07:32	117773	1.02		50
460-41546-20	06/28/2012 07:32	117773	1.06		50
460-41546-22	06/28/2012 07:32	117773	1.04		50
460-41546-23	06/28/2012 07:32	117773	1.08		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-117140/1-A	06/22/2012 10:41	117140	0.60		100
LCSSRM 460-117140/2-A ^20	06/22/2012 10:41	117140	0.60		100
460-41546-5	06/22/2012 10:41	117140	0.60		100
460-41546-5 DU	06/22/2012 10:41	117140	0.60		100
460-41546-5 MS	06/22/2012 10:41	117140	0.60		100
460-41546-1	06/22/2012 10:41	117140	0.67		100
460-41546-2	06/22/2012 10:41	117140	0.67		100
460-41546-3	06/22/2012 10:41	117140	0.60		100
460-41546-4	06/22/2012 10:41	117140	0.66		100
460-41546-6	06/22/2012 10:41	117140	0.66		100
460-41546-7	06/22/2012 10:41	117140	0.64		100
460-41546-8	06/22/2012 10:41	117140	0.71		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-117199/10-A	06/22/2012 16:00	117199	0.60		100
LCSSRM 460-117199/11-A ^10	06/22/2012 16:00	117199	0.60		100
460-41546-21	06/22/2012 16:00	117199	0.60		100
460-41546-21 DU	06/22/2012 16:00	117199	0.60		100
460-41546-21 MS	06/22/2012 16:00	117199	0.60		100
460-41546-9	06/22/2012 16:00	117199	0.64		100
460-41546-10	06/22/2012 16:00	117199	0.66		100
460-41546-11	06/22/2012 16:00	117199	0.65		100
460-41546-12	06/22/2012 16:00	117199	0.65		100
460-41546-13	06/22/2012 16:00	117199	0.63		100
460-41546-14	06/22/2012 16:00	117199	0.60		100
460-41546-15	06/22/2012 16:00	117199	0.64		100
460-41546-16	06/22/2012 16:00	117199	0.62		100
460-41546-17	06/22/2012 16:00	117199	0.61		100
460-41546-18	06/22/2012 16:00	117199	0.60		100
460-41546-19	06/22/2012 16:00	117199	0.64		100
460-41546-20	06/22/2012 16:00	117199	0.62		100
460-41546-22	06/22/2012 16:00	117199	0.65		100
460-41546-23	06/22/2012 16:00	117199	0.67		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 06/28/2012 18:09 End Date: 06/29/2012 00:12

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			18:09																				
ZZZZZZ			18:12																				
ZZZZZZ			18:16																				
ZZZZZZ			18:19																				
ZZZZZZ			18:23																				
ICV 460-117953/6	1		18:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-117953/7	1		18:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-117953/8	1		18:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-117953/9	1		18:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			18:41																				
ZZZZZZ			18:45																				
ZZZZZZ			18:49																				
ZZZZZZ			18:52																				
ZZZZZZ			18:56																				
ZZZZZZ			18:59																				
ZZZZZZ			19:03																				
ZZZZZZ			19:07																				
CCV 460-117953/18			19:10																				
CCB 460-117953/19			19:13																				
ZZZZZZ			19:17																				
ZZZZZZ			19:21																				
ZZZZZZ			19:25																				
ZZZZZZ			19:28																				
ZZZZZZ			19:32																				
ZZZZZZ			19:36																				
ZZZZZZ			19:40																				
ZZZZZZ			19:43																				
ZZZZZZ			19:47																				
ZZZZZZ			19:51																				
CCV 460-117953/30	1		19:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-117953/31	1		19:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			20:01																				
ZZZZZZ			20:05																				
ZZZZZZ			20:09																				
ZZZZZZ			20:13																				
ZZZZZZ			20:16																				
ZZZZZZ			20:20																				
ZZZZZZ			20:24																				
460-41778-B-1-C DU ^4	4	T	20:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			20:31																				
LCSSRM 460-117772/2-A ^4	4	T	20:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 06/28/2012 18:09 End Date: 06/29/2012 00:12

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
CCV 460-117953/42	1		20:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-117953/43	1		20:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 460-117772/1-A ^2	2	T	20:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41778-B-1-B SD ^20	20	T	20:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41778-B-1-D MS ^4	4	T	20:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41778-B-1-B PDS ^4	4	T	20:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			20:59																				
ZZZZZZ			21:03																				
ZZZZZZ			21:07																				
ZZZZZZ			21:10																				
ZZZZZZ			21:14																				
ZZZZZZ			21:17																				
CCV 460-117953/54	1		21:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-117953/55	1		21:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			21:28																				
ZZZZZZ			21:32																				
ZZZZZZ			21:35																				
ZZZZZZ			21:39																				
ZZZZZZ			21:42																				
ZZZZZZ			21:46																				
ZZZZZZ			21:50																				
ZZZZZZ			21:53																				
ZZZZZZ			21:57																				
ZZZZZZ			22:00																				
CCV 460-117953/66	1		22:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-117953/67	1		22:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-1	4	T	22:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-2	4	T	22:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-3	4	T	22:18	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
460-41546-21 DU	4	T	22:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-21	4	T	22:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-21 SD	20	T	22:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-21 MS	4	T	22:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-21 PDS	4	T	22:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-4	4	T	22:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSSRM 460-117773/2-A ^4	4	T	22:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-117953/78	1		22:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-117953/79	1		22:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 460-117773/1-A ^2	2	T	22:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-5	4	T	22:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 06/28/2012 18:09 End Date: 06/29/2012 00:12

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
460-41546-6	4	T	23:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-7	4	T	23:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-8	4	T	23:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-9	4	T	23:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-10	4	T	23:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-11	4	T	23:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-12	4	T	23:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-13	4	T	23:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-117953/90	1		23:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-117953/91	1		23:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-14	4	T	23:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-15	4	T	23:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-16	4	T	23:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-17	4	T	23:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-18	4	T	23:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-19	4	T	23:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-20	4	T	23:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-22	4	T	00:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-41546-23	4	T	00:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-117953/101	1		00:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-117953/102	1		00:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 06/28/2012 18:09 End Date: 06/29/2012 00:12

Lab Sample ID	D / F	T y p e	Time	Analytes															
				V	Z n														
ZZZZZZ			18:09																
ZZZZZZ			18:12																
ZZZZZZ			18:16																
ZZZZZZ			18:19																
ZZZZZZ			18:23																
ICV 460-117953/6	1		18:26	X	X														
ICB 460-117953/7	1		18:30	X	X														
ICSA 460-117953/8	1		18:34	X	X														
ICSAB 460-117953/9	1		18:37	X	X														
ZZZZZZ			18:41																
ZZZZZZ			18:45																
ZZZZZZ			18:49																
ZZZZZZ			18:52																
ZZZZZZ			18:56																
ZZZZZZ			18:59																
ZZZZZZ			19:03																
ZZZZZZ			19:07																
CCV 460-117953/18			19:10																
CCB 460-117953/19			19:13																
ZZZZZZ			19:17																
ZZZZZZ			19:21																
ZZZZZZ			19:25																
ZZZZZZ			19:28																
ZZZZZZ			19:32																
ZZZZZZ			19:36																
ZZZZZZ			19:40																
ZZZZZZ			19:43																
ZZZZZZ			19:47																
ZZZZZZ			19:51																
CCV 460-117953/30	1		19:54	X	X														
CCB 460-117953/31	1		19:58	X	X														
ZZZZZZ			20:01																
ZZZZZZ			20:05																
ZZZZZZ			20:09																
ZZZZZZ			20:13																
ZZZZZZ			20:16																
ZZZZZZ			20:20																
ZZZZZZ			20:24																
460-41778-B-1-C DU ^4	4	T	20:27	X	X														
ZZZZZZ			20:31																
LCSSRM 460-117772/2-A ^4	4	T	20:35	X	X														

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 06/28/2012 18:09 End Date: 06/29/2012 00:12

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-117953/42	1		20:38	X	X																
CCB 460-117953/43	1		20:41	X	X																
MB 460-117772/1-A ^2	2	T	20:45	X	X																
460-41778-B-1-B SD ^20	20	T	20:49	X	X																
460-41778-B-1-D MS ^4	4	T	20:52	X	X																
460-41778-B-1-B PDS ^4	4	T	20:56	X	X																
ZZZZZZ			20:59																		
ZZZZZZ			21:03																		
ZZZZZZ			21:07																		
ZZZZZZ			21:10																		
ZZZZZZ			21:14																		
ZZZZZZ			21:17																		
CCV 460-117953/54	1		21:21	X	X																
CCB 460-117953/55	1		21:24	X	X																
ZZZZZZ			21:28																		
ZZZZZZ			21:32																		
ZZZZZZ			21:35																		
ZZZZZZ			21:39																		
ZZZZZZ			21:42																		
ZZZZZZ			21:46																		
ZZZZZZ			21:50																		
ZZZZZZ			21:53																		
ZZZZZZ			21:57																		
ZZZZZZ			22:00																		
CCV 460-117953/66	1		22:04	X	X																
CCB 460-117953/67	1		22:07	X	X																
460-41546-1	4	T	22:11	X	X																
460-41546-2	4	T	22:15	X	X																
460-41546-3	4	T	22:18	X	X																
460-41546-21 DU	4	T	22:22	X	X																
460-41546-21	4	T	22:25	X	X																
460-41546-21 SD	20	T	22:29	X	X																
460-41546-21 MS	4	T	22:33	X	X																
460-41546-21 PDS	4	T	22:36	X	X																
460-41546-4	4	T	22:39	X	X																
LCSSRM 460-117773/2-A ^4	4	T	22:43	X	X																
CCV 460-117953/78	1		22:47	X	X																
CCB 460-117953/79	1		22:50	X	X																
MB 460-117773/1-A ^2	2	T	22:54	X	X																
460-41546-5	4	T	22:57	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 06/28/2012 18:09 End Date: 06/29/2012 00:12

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
460-41546-6	4	T	23:01	X	X																
460-41546-7	4	T	23:05	X	X																
460-41546-8	4	T	23:08	X	X																
460-41546-9	4	T	23:12	X	X																
460-41546-10	4	T	23:15	X	X																
460-41546-11	4	T	23:19	X	X																
460-41546-12	4	T	23:22	X	X																
460-41546-13	4	T	23:26	X	X																
CCV 460-117953/90	1		23:30	X	X																
CCB 460-117953/91	1		23:33	X	X																
460-41546-14	4	T	23:37	X	X																
460-41546-15	4	T	23:40	X	X																
460-41546-16	4	T	23:44	X	X																
460-41546-17	4	T	23:48	X	X																
460-41546-18	4	T	23:51	X	X																
460-41546-19	4	T	23:55	X	X																
460-41546-20	4	T	23:58	X	X																
460-41546-22	4	T	00:02	X	X																
460-41546-23	4	T	00:06	X	X																
CCV 460-117953/101	1		00:09	X	X																
CCB 460-117953/102	1		00:12	X	X																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 06/29/2012 10:41 End Date: 06/29/2012 15:23

Lab Sample ID	D / F	T y p e	Time	Analytes															
				F e															
ZZZZZZ			10:41																
ZZZZZZ			10:45																
ZZZZZZ			10:48																
ZZZZZZ			10:52																
ZZZZZZ			10:55																
ICV 460-118065/6	1		10:59	X															
ICB 460-118065/7	1		11:02	X															
ICSA 460-118065/8	1		11:06	X															
ICSAB 460-118065/9	1		11:10	X															
ZZZZZZ			11:13																
ZZZZZZ			11:17																
460-41546-3	10	T	11:21	X															
ZZZZZZ			11:25																
ZZZZZZ			11:28																
ZZZZZZ			11:32																
ZZZZZZ			11:36																
ZZZZZZ			11:39																
CCV 460-118065/18	1		11:43	X															
CCB 460-118065/19	1		11:46	X															
ZZZZZZ			11:50																
ZZZZZZ			11:53																
ZZZZZZ			11:57																
ZZZZZZ			12:01																
ZZZZZZ			12:04																
ZZZZZZ			12:08																
ZZZZZZ			12:11																
ZZZZZZ			12:15																
ZZZZZZ			12:19																
ZZZZZZ			12:22																
CCV 460-118065/30			12:26																
CCB 460-118065/31			12:29																
ZZZZZZ			12:33																
ZZZZZZ			12:37																
ZZZZZZ			12:40																
ZZZZZZ			12:44																
ZZZZZZ			12:47																
ZZZZZZ			12:51																
ZZZZZZ			12:55																
ZZZZZZ			12:58																
ZZZZZZ			13:02																
ZZZZZZ			13:06																
CCV 460-118065/42			13:09																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 06/29/2012 10:41 End Date: 06/29/2012 15:23

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				F	e																
CCB 460-118065/43			13:12																		
ZZZZZZ			13:16																		
ZZZZZZ			13:20																		
ZZZZZZ			13:23																		
ZZZZZZ			13:27																		
ZZZZZZ			13:31																		
ZZZZZZ			13:34																		
ZZZZZZ			13:38																		
ZZZZZZ			13:42																		
ZZZZZZ			13:45																		
ZZZZZZ			13:49																		
CCV 460-118065/54			13:53																		
CCB 460-118065/55			13:56																		
ZZZZZZ			14:00																		
ZZZZZZ			14:03																		
ZZZZZZ			14:07																		
ZZZZZZ			14:11																		
ZZZZZZ			14:14																		
ZZZZZZ			14:18																		
ZZZZZZ			14:21																		
ZZZZZZ			14:25																		
ZZZZZZ			14:29																		
ZZZZZZ			14:32																		
CCV 460-118065/66			14:36																		
CCB 460-118065/67			14:39																		
ZZZZZZ			14:43																		
ZZZZZZ			14:47																		
ZZZZZZ			14:51																		
ZZZZZZ			14:54																		
ZZZZZZ			14:58																		
ZZZZZZ			15:01																		
ZZZZZZ			15:05																		
ZZZZZZ			15:08																		
ZZZZZZ			15:12																		
ZZZZZZ			15:16																		
CCV 460-118065/78			15:19																		
CCB 460-118065/79			15:23																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 06/22/2012 14:37 End Date: 06/22/2012 15:47

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 460-117140/20-A			14:37	X																	
IC 460-117140/21-A			14:39	X																	
IC 460-117140/22-A			14:41	X																	
IC 460-117140/23-A			14:43	X																	
IC 460-117140/24-A			14:45	X																	
IC 460-117140/25-A			14:47	X																	
ICV 460-117140/26-A	1		14:49	X																	
ICB 460-117198/8	1		14:51	X																	
MB 460-117140/1-A	1	T	14:53	X																	
LCSSRM 460-117140/2-A ^20	20	T	14:55	X																	
460-41546-5	1	T	14:57	X																	
460-41546-5 DU	1	T	14:59	X																	
460-41546-5 MS	1	T	15:01	X																	
ZZZZZZ			15:02																		
ZZZZZZ			15:04																		
ZZZZZZ			15:06																		
ZZZZZZ			15:08																		
ZZZZZZ			15:10																		
CCV 460-117140/27-A	1		15:12	X																	
CCB 460-117198/20	1		15:14	X																	
ZZZZZZ			15:16																		
ZZZZZZ			15:18																		
460-41546-1	1	T	15:20	X																	
ZZZZZZ			15:23																		
ZZZZZZ			15:25																		
460-41546-4	1	T	15:27	X																	
460-41546-6	1	T	15:29	X																	
460-41546-7	1	T	15:31	X																	
460-41546-8	1	T	15:33	X																	
460-41546-5 SD	5	T	15:35	X																	
CCV 460-117140/27-A	1		15:37	X																	
CCB 460-117198/32	1		15:39	X																	
460-41546-2	3	T	15:42	X																	
460-41546-3	1	T	15:44	X																	
CCV 460-117140/27-A	1		15:46	X																	
CCB 460-117198/36	1		15:47	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7471A

Start Date: 06/22/2012 19:43 End Date: 06/22/2012 21:21

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 460-117199/1-A			19:43	X															
IC 460-117199/2-A			19:45	X															
IC 460-117199/3-A			19:47	X															
IC 460-117199/4-A			19:49	X															
IC 460-117199/5-A			19:51	X															
IC 460-117199/6-A			19:53	X															
ICV 460-117199/7-A	1		19:55	X															
ICB 460-117216/8	1		19:56	X															
MB 460-117199/10-A	1	T	20:00	X															
LCSSRM 460-117199/11-A ^10	10	T	20:04	X															
460-41546-21	1	T	20:06	X															
460-41546-21 DU	1	T	20:08	X															
460-41546-21 MS	1	T	20:10	X															
460-41546-9	1	T	20:12	X															
460-41546-10	1	T	20:15	X															
460-41546-11	1	T	20:17	X															
CCV 460-117199/8-A	1		20:19	X															
CCB 460-117216/18	1		20:21	X															
460-41546-12	1	T	20:24	X															
460-41546-13	1	T	20:26	X															
460-41546-14	1	T	20:28	X															
ZZZZZZ			20:30																
ZZZZZZ			20:32																
ZZZZZZ			20:35																
460-41546-18	1	T	20:37	X															
CCV 460-117199/8-A	1		20:39	X															
CCB 460-117216/27	1		20:41	X															
460-41546-19	1	T	20:43	X															
460-41546-20	1	T	20:45	X															
460-41546-22	1	T	20:47	X															
460-41546-23	1	T	20:49	X															
ZZZZZZ			20:51																
ZZZZZZ			20:53																
460-41546-21 SD	5	T	20:55	X															
CCV 460-117199/8-A	1		20:57	X															
CCB 460-117216/36	1		20:59	X															
460-41546-15	2	T	21:12	X															
460-41546-16	3	T	21:15	X															
460-41546-17	1	T	21:17	X															
CCV 460-117199/8-A	1		21:19	X															
CCB 460-117216/41	1		21:21	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-41546-1

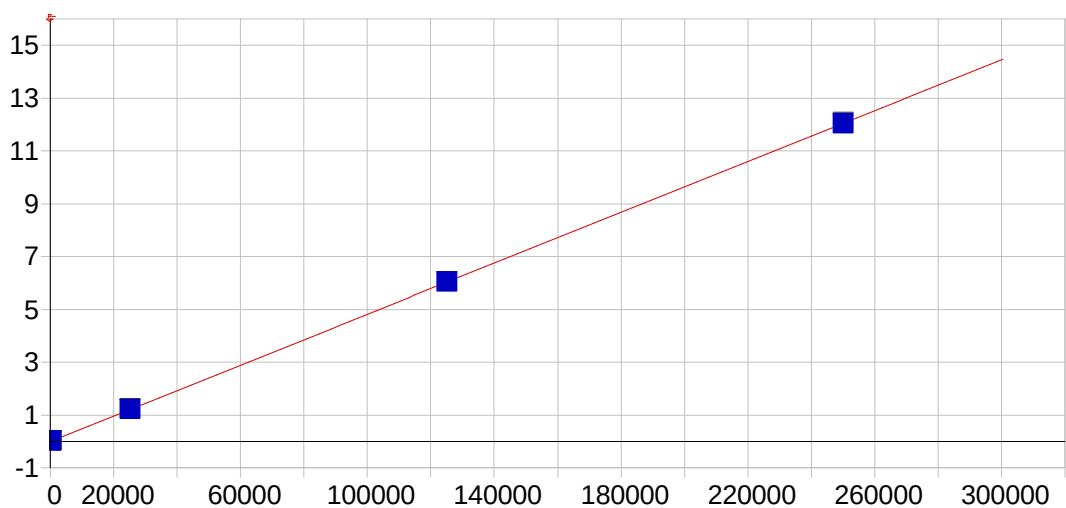
SDG No.: _____

Instrument ID: LEEMAN5 Method: 7471A

Start Date: 06/22/2012 19:43 End Date: 06/22/2012 21:21

Prep Types

T = Total/NA

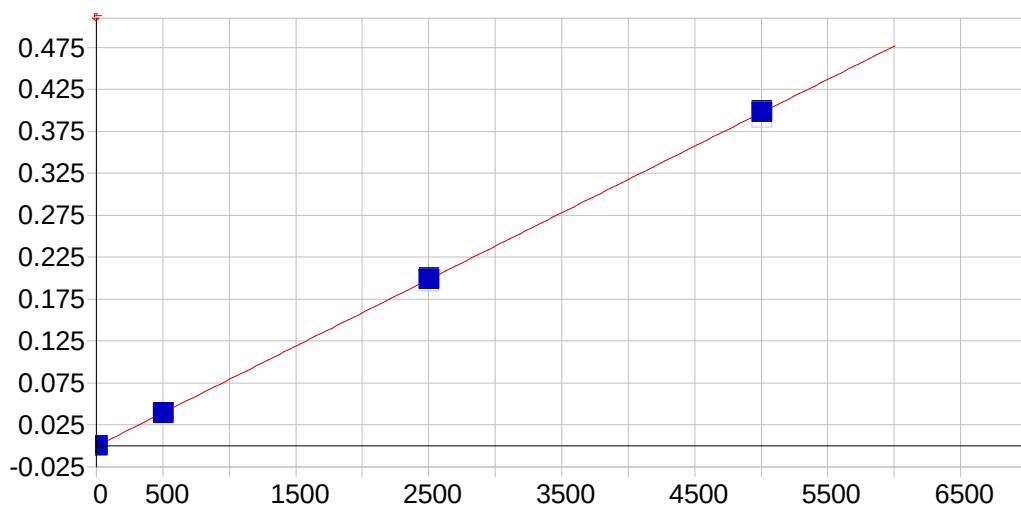


AI 396.152 { 85}

Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000913 Re-Slope: 1.000000
 A1 (Gain): 0.000048 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999998 Status: OK.
 Std Error of Est: 0.000031
 Predicted MDL: 21.307856
 Predicted MQL: 71.026188

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.01396	.014	.000	-.00091	.001	1
DCAL1	200.00	185.72	-14.3	-7.14	.00802	.001	1
DCAL2	25000.	25029.	29.4	.118	1.2056	.002	1
DCAL3	125000.	125120.	122.	.098	6.0305	.006	1
DCAL4	250000.	249860.	-137.	-.055	12.044	.026	1



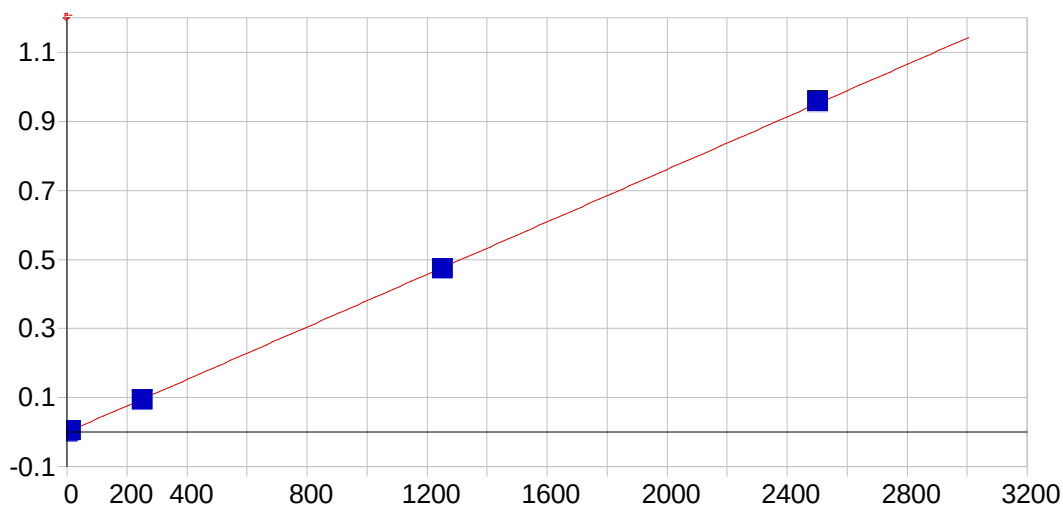
As 189.042 (478)

Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000100 Re-Slope: 1.000000
 A1 (Gain): 0.000079 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999985 Status: OK.
 Std Error of Est: 0.000003

Predicted MDL: 2.403833
 Predicted MQL: 8.012777

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00071	.001	.000	-.00010	.000	1
DCAL1	5.0000	4.3540	-.646	-12.9	.00024	.000	1
DCAL2	500.00	491.92	-8.08	-1.62	.03836	.000	1
DCAL3	2500.0	2504.9	4.87	.195	.19581	.001	1
DCAL4	5000.0	5003.9	3.85	.077	.39126	.002	1

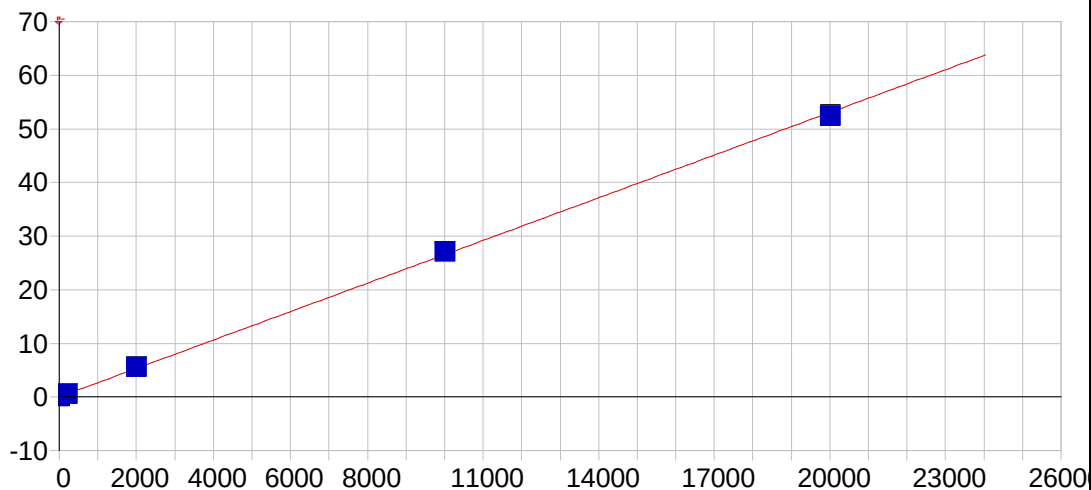


Ag 328.068 {103}

Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000043 Re-Slope: 1.000000
 A1 (Gain): 0.000380 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999948 Status: OK.
 Std Error of Est: 0.000032
 Predicted MDL: 0.718941
 Predicted MQL: 2.396470

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00063	.001	.000	-.00004	.000	1
DCAL1	10.000	9.6895	-.311	-3.11	.00364	.000	1
DCAL2	250.00	242.13	-7.87	-3.15	.09180	.000	1
DCAL3	1250.0	1241.9	-8.12	-.650	.47106	.001	1
DCAL4	2500.0	2516.3	16.3	.652	.95455	.001	1

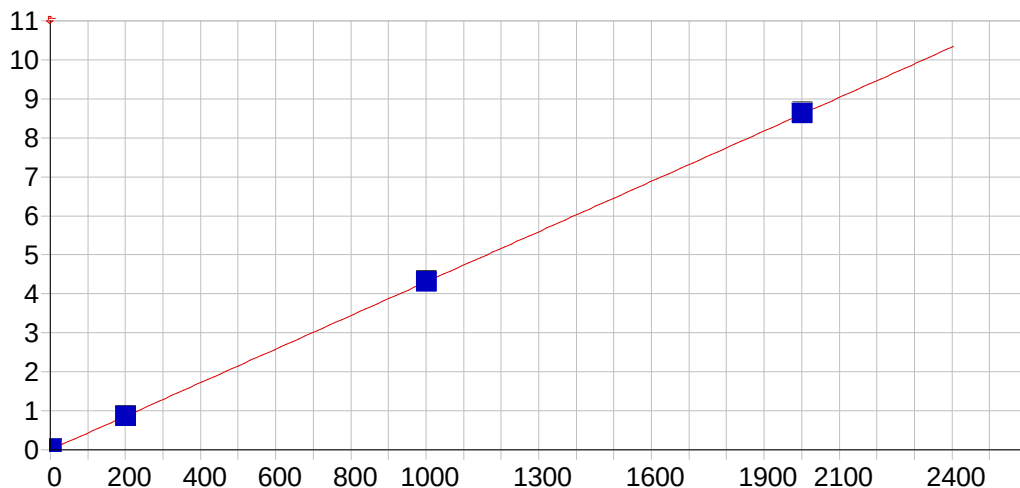


Ba 233.527 {445}

Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000008 Re-Slope: 1.000000
 A1 (Gain): 0.002653 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999818 Status: OK.
 Std Error of Est: 0.005233
 Predicted MDL: 0.141520
 Predicted MQL: 0.471733

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.02340	-.023	.000	-.00005	.000	1
DCAL1	200.00	213.57	13.6	6.78	.56648	.002	1
DCAL2	2000.0	2092.1	92.1	4.61	5.5453	.009	1
DCAL3	10000.	10167.	167.	1.67	26.947	.069	1
DCAL4	20000.	19727.	-273.	-1.36	52.284	.178	1



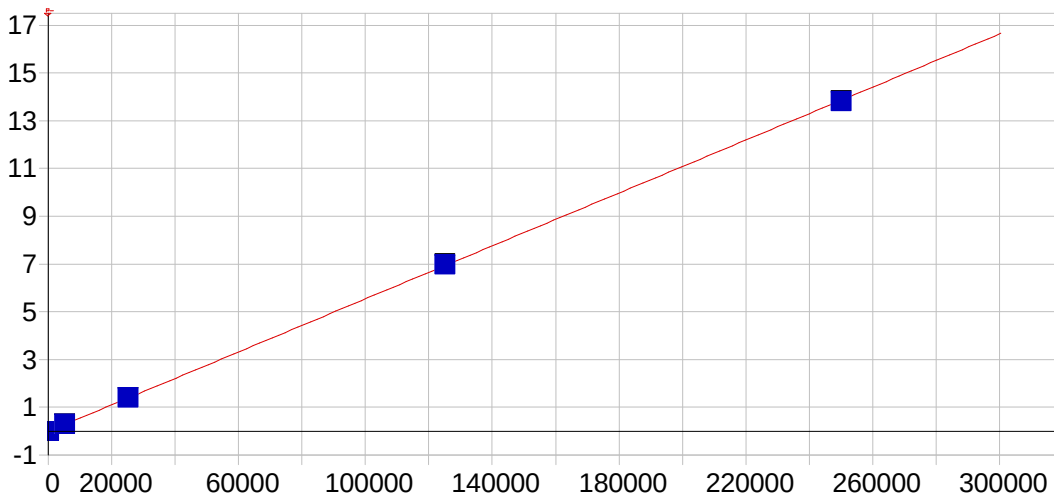
Be 313.042 {108}

Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000775 Re-Slope: 1.000000
 A1 (Gain): 0.004302 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999995 Status: OK.
 Std Error of Est: 0.000046
 Predicted MDL: 0.162622

Predicted MQL: 0.542072

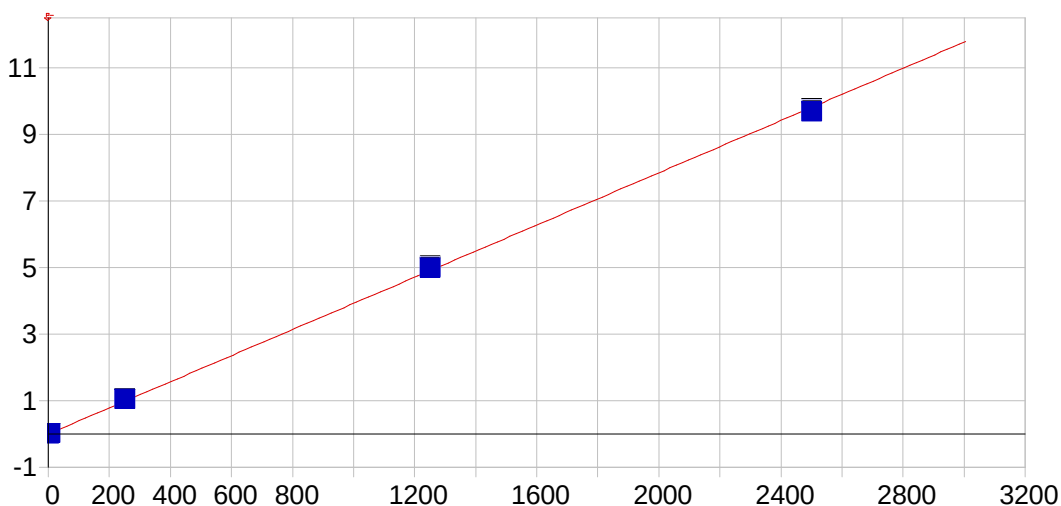
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00002	.000	.000	.00077	.001	1
DCAL1	2.0000	2.0012	.001	.058	.00943	.000	1
DCAL2	200.00	197.76	-2.24	-1.12	.85288	.002	1
DCAL3	1000.0	998.48	-1.52	-.152	4.3030	.021	1
DCAL4	2000.0	2003.8	3.76	.188	8.6345	.018	1

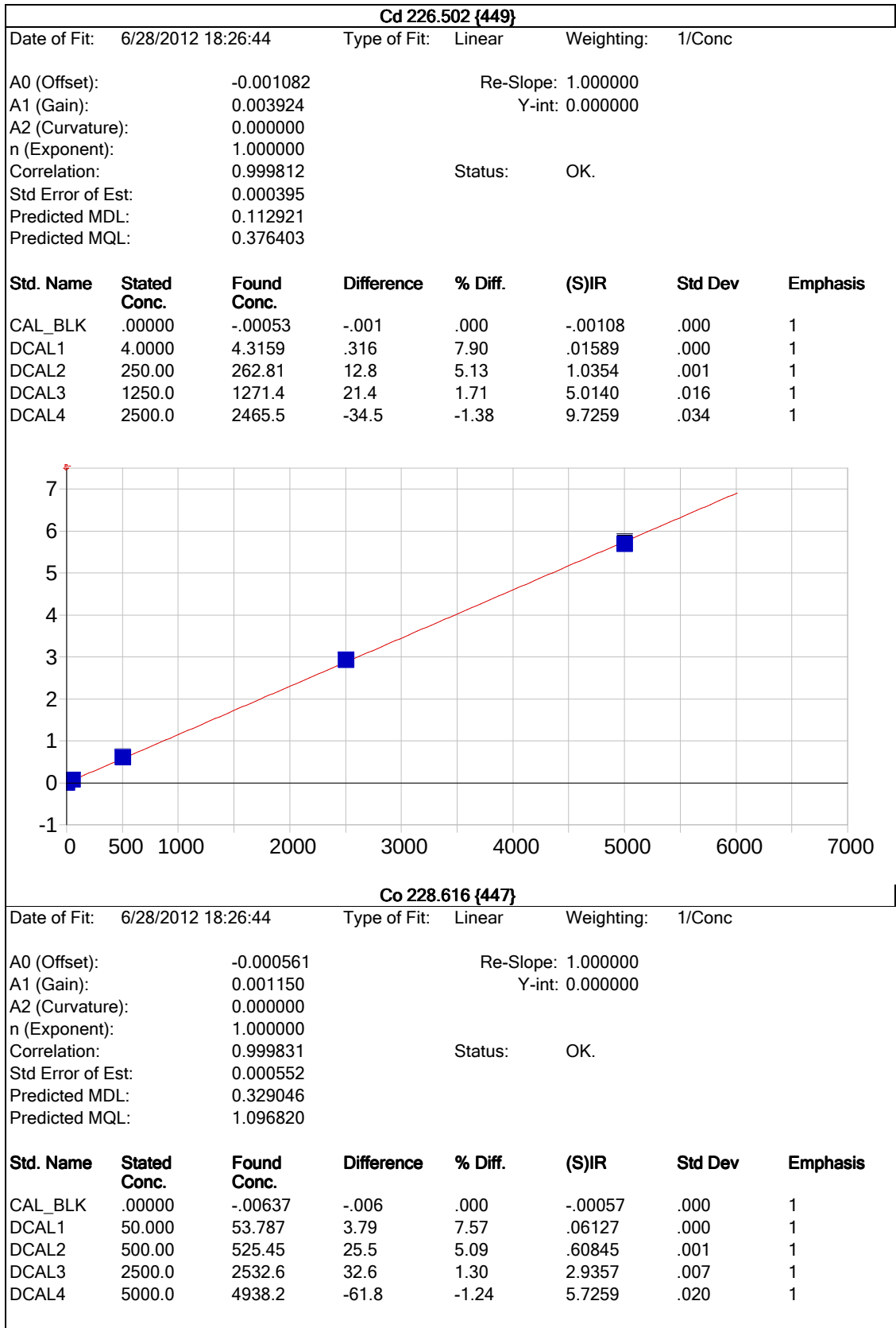


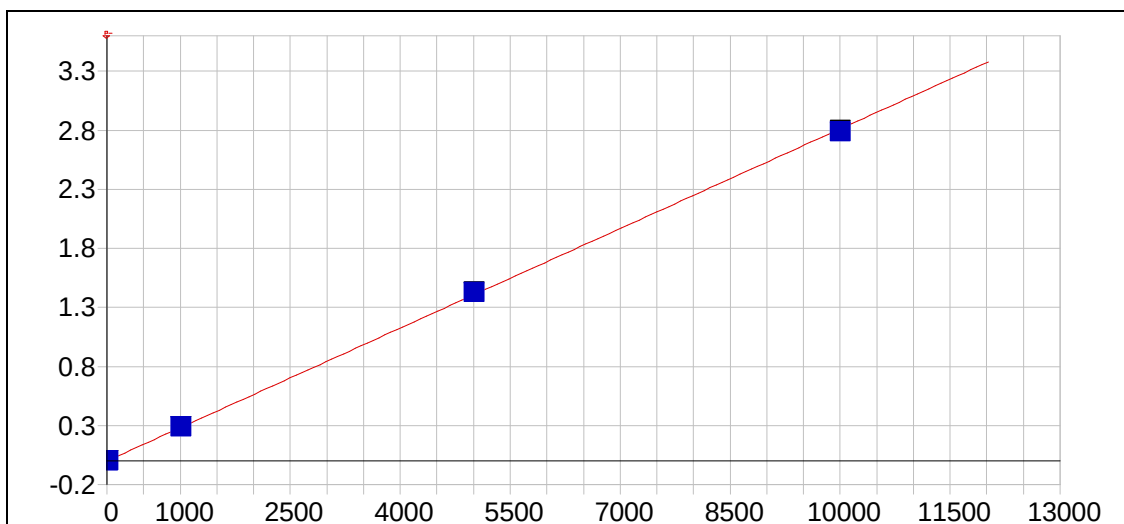
Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.007236 Re-Slope: 1.000000
 A1 (Gain): 0.000055 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999981 Status: OK.
 Std Error of Est: 0.000631
 Predicted MDL: 19.205684
 Predicted MQL: 64.018948

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.19887	-.199	.000	-.00725	.001	1
DCAL1	5000.0	5155.8	156.	3.12	.27871	.001	1
DCAL2	25000.	25171.	171.	.684	1.3888	.007	1
DCAL3	125000.	125770.	769.	.615	6.9680	.031	1
DCAL4	250000.	248900.	-1100.	-.438	13.797	.026	1





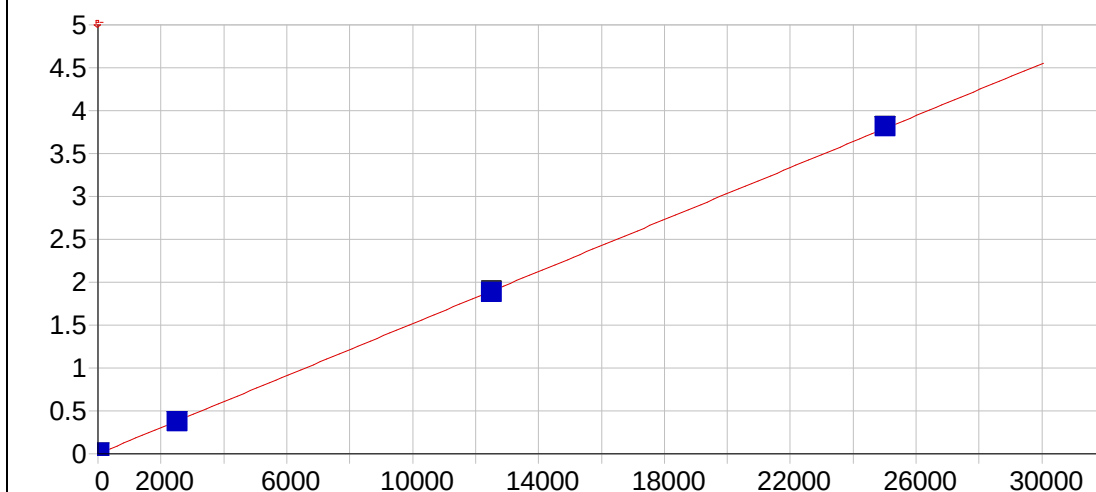


Cr 267.716 (126)

Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000024 Re-Slope: 1.000000
 A1 (Gain): 0.000281 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999923 Status: OK.
 Std Error of Est: 0.000057
 Predicted MDL: 0.497275
 Predicted MQL: 1.657582

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00064	-.001	.000	.00002	.000	1
DCAL1	10.000	10.337	.337	3.37	.00295	.000	1
DCAL2	1000.0	1025.9	25.9	2.59	.28850	.001	1
DCAL3	5000.0	5067.1	67.1	1.34	1.4249	.004	1
DCAL4	10000.	9906.6	-93.4	-.934	2.7857	.010	1



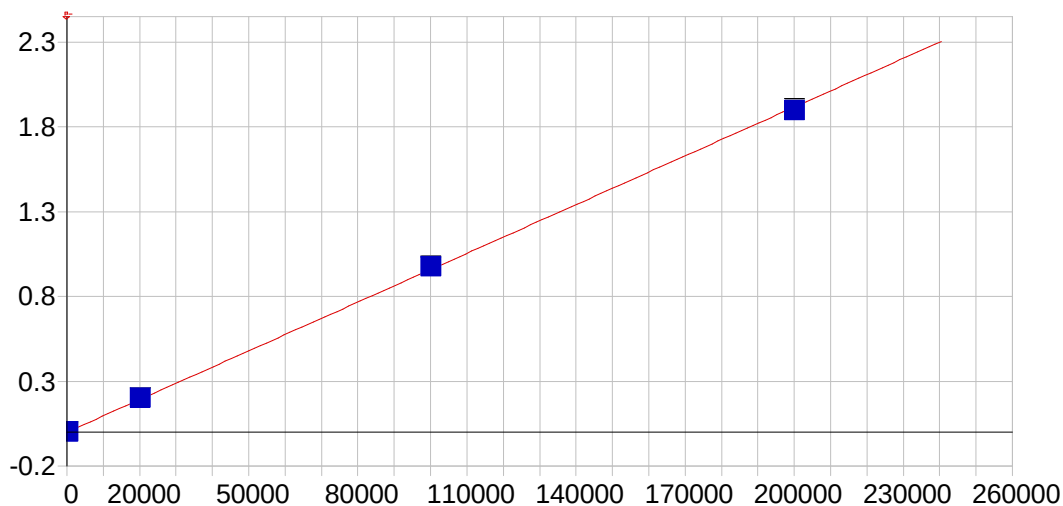
Cu 324.754 (104)

Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001531 Re-Slope: 1.000000
 A1 (Gain): 0.000152 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999967 Status: OK.
 Std Error of Est: 0.000050
 Predicted MDL: 4.706343

Predicted MQL: 15.687809

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00239	-.002	.000	.00153	.001	1
DCAL1	25.000	27.905	2.90	11.6	.00575	.000	1
DCAL2	2500.0	2453.5	-46.5	-1.86	.37295	.002	1
DCAL3	12500.	12408.	-92.4	-.739	1.8799	.011	1
DCAL4	25000.	25136.	136.	.544	3.8068	.003	1

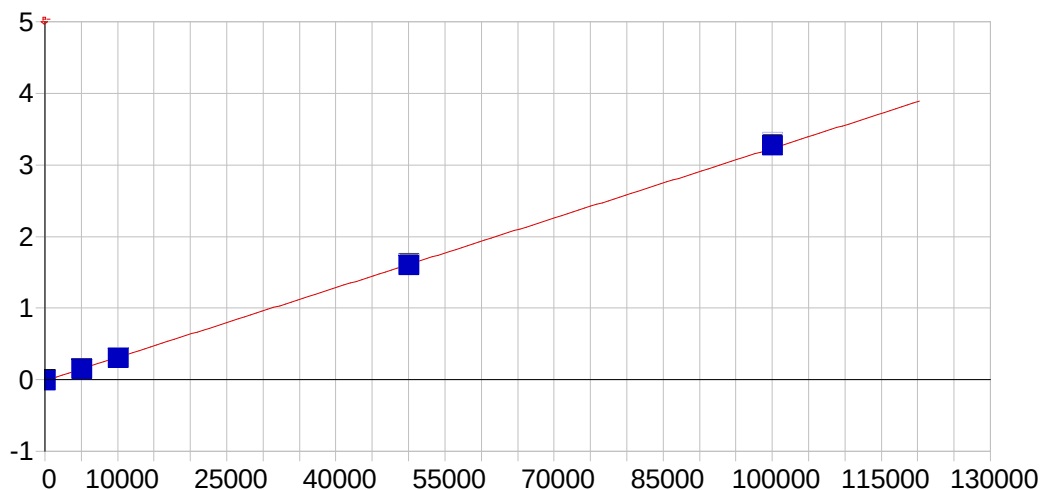


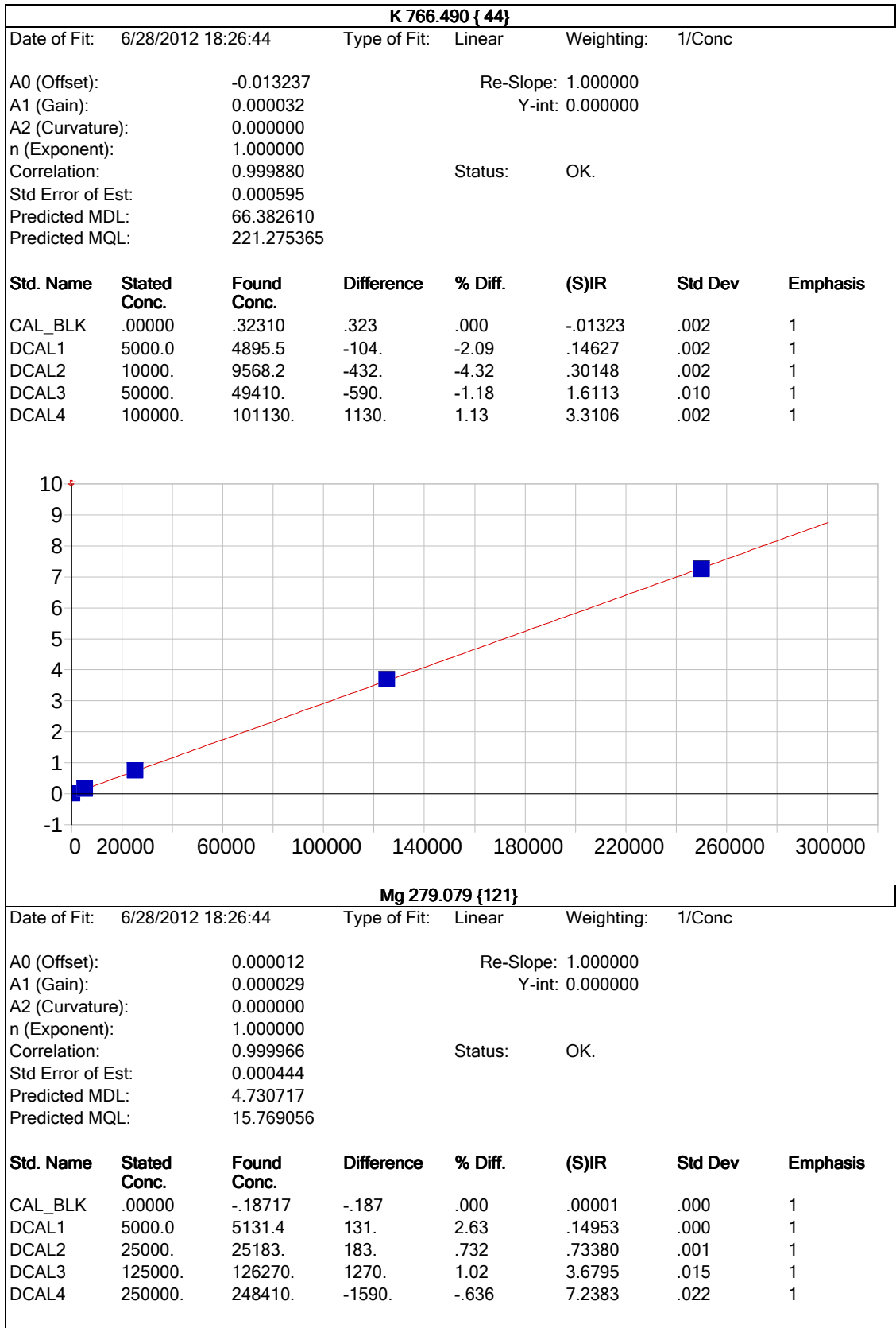
Fe 271.441 {124}

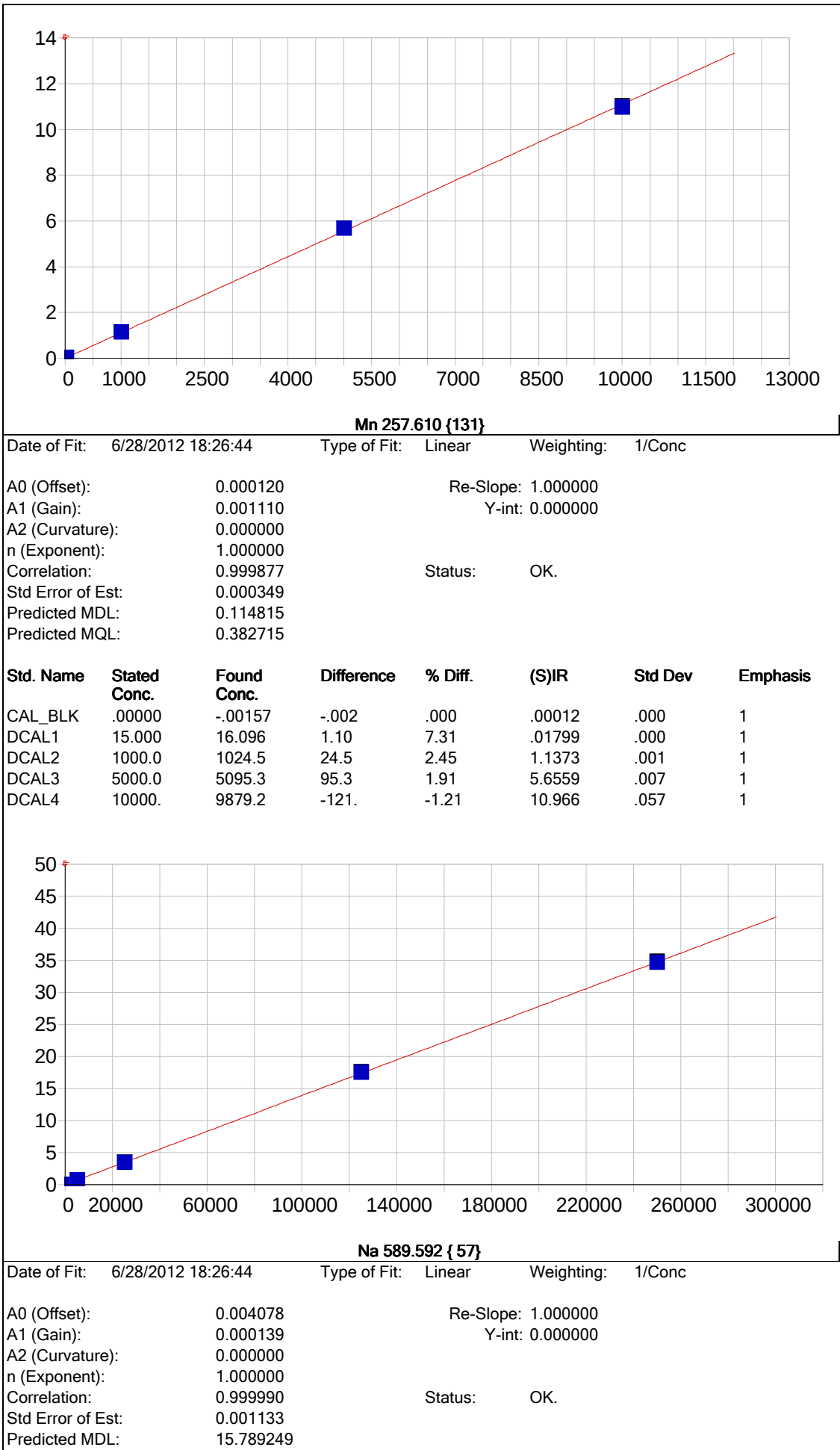
Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000029 Re-Slope: 1.000000
 A1 (Gain): 0.000010 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999878 Status: OK.
 Std Error of Est: 0.000043
 Predicted MDL: 13.561431
 Predicted MQL: 45.204769

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01350	-.013	.000	.00003	.000	1
DCAL1	150.00	157.52	7.52	5.01	.00158	.000	1
DCAL2	20000.	20708.	708.	3.54	.19891	.000	1
DCAL3	100000.	101620.	1620.	1.62	.97604	.003	1
DCAL4	200000.	197670.	-2330.	-1.17	1.8987	.006	1

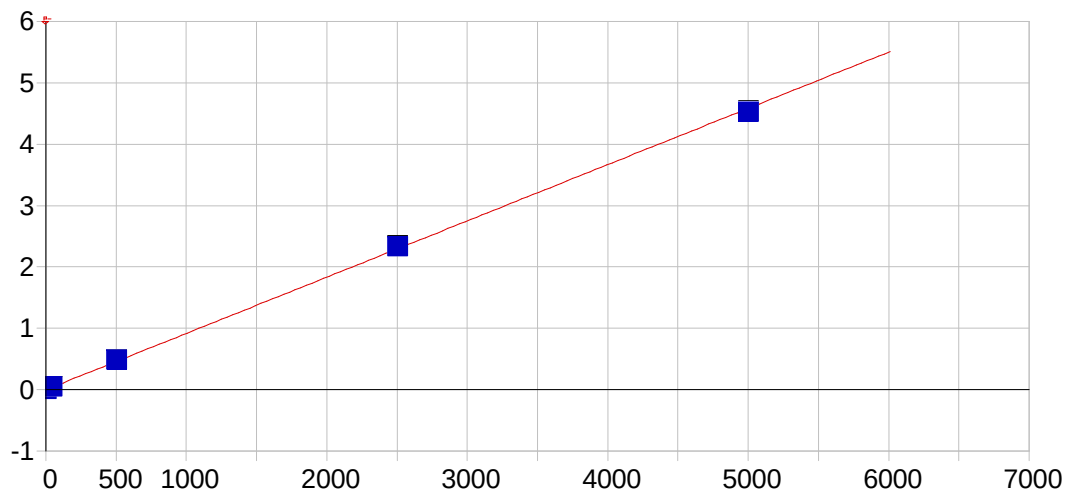






Predicted MQL: 52.630830

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.04385	-.044	.000	.00407	.001	1
DCAL1	5000.0	5042.8	42.8	.857	.70477	.003	1
DCAL2	25000.	24922.	-78.0	-.312	3.4692	.016	1
DCAL3	125000.	125800.	796.	.637	17.495	.028	1
DCAL4	250000.	249240.	-761.	-.304	34.658	.105	1

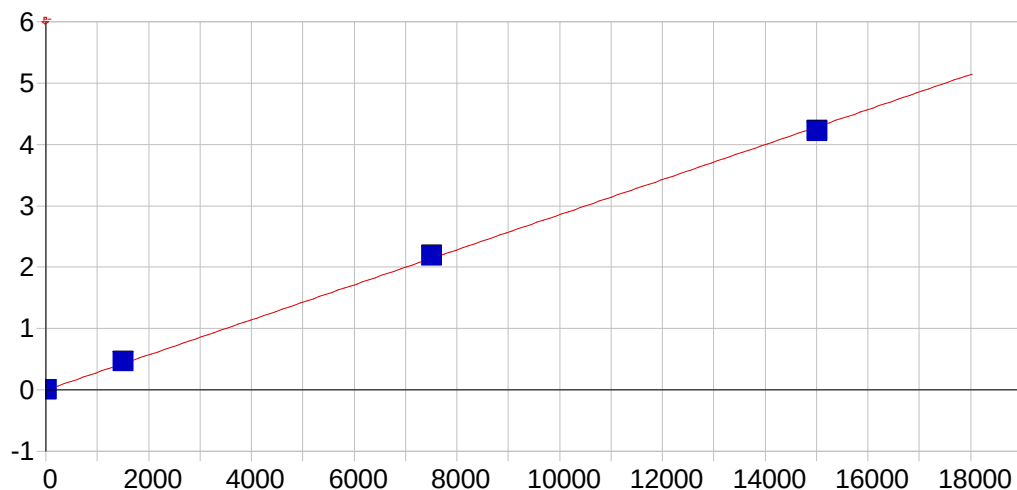


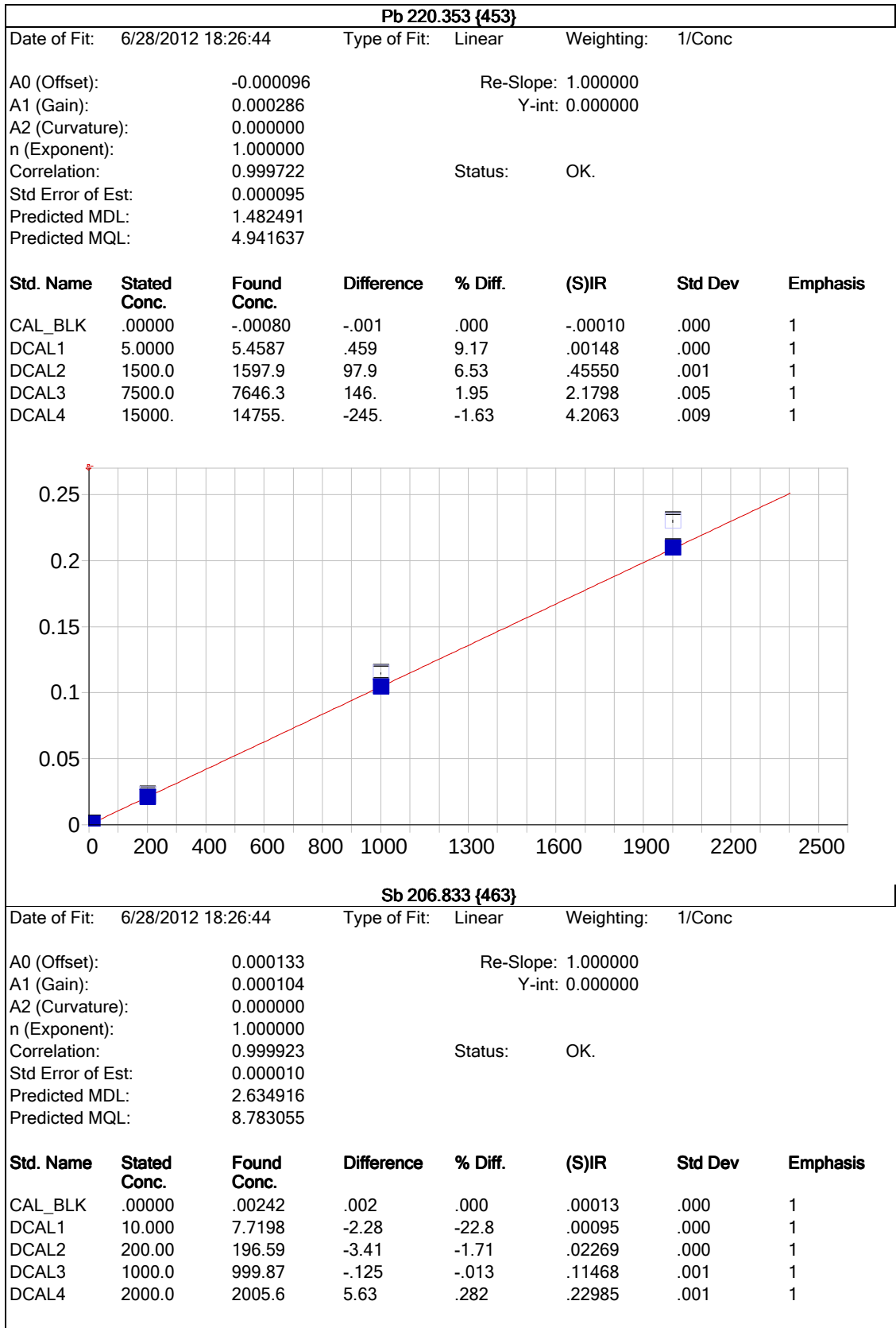
Ni 231.604 {446}

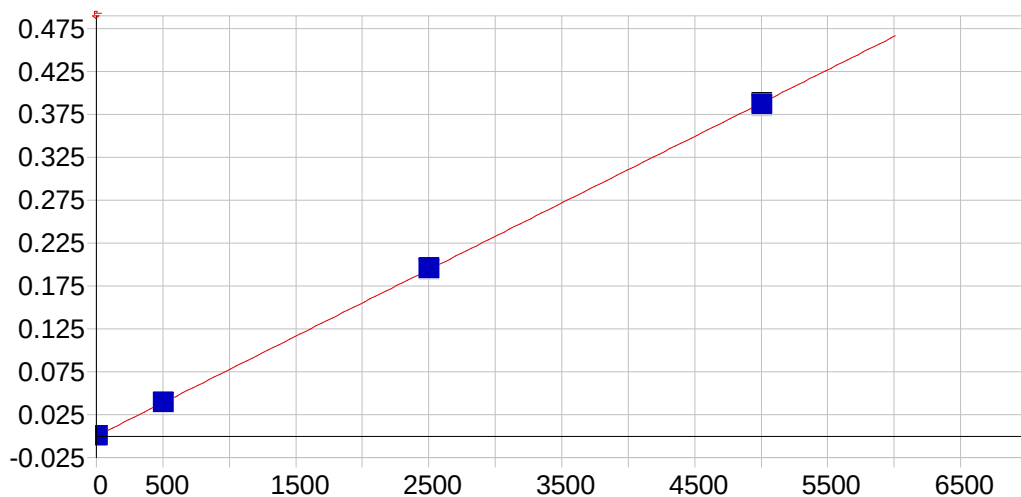
Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000603 Re-Slope: 1.000000
 A1 (Gain): 0.000917 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999779 Status: OK.
 Std Error of Est: 0.000447
 Predicted MDL: 0.472590
 Predicted MQL: 1.575299

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00587	-.006	.000	-.00061	.000	1
DCAL1	40.000	43.493	3.49	8.73	.03931	.000	1
DCAL2	500.00	529.19	29.2	5.84	.48555	.001	1
DCAL3	2500.0	2537.7	37.7	1.51	2.3309	.008	1
DCAL4	5000.0	4929.7	-70.3	-1.41	4.5288	.012	1





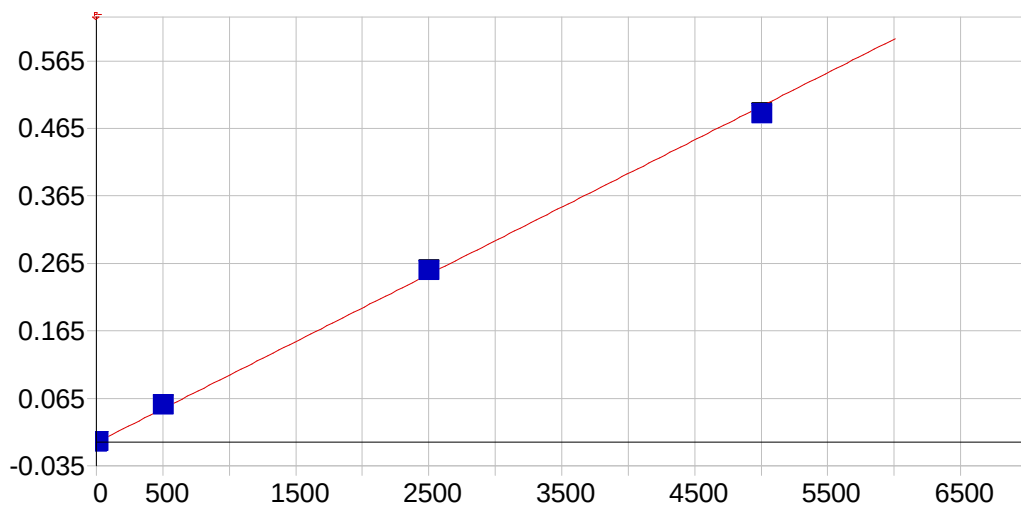


Se 196.090 {472}

Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000046 Re-Slope: 1.000000
 A1 (Gain): 0.000078 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999990 Status: OK.
 Std Error of Est: 0.000003
 Predicted MDL: 3.221279
 Predicted MQL: 10.737596

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00047	.000	.000	.00005	.000	1
DCAL1	5.0000	4.5083	-.492	-9.83	.00039	.000	1
DCAL2	500.00	500.47	.471	.094	.03856	.000	1
DCAL3	2500.0	2513.8	13.8	.550	.19350	.001	1
DCAL4	5000.0	4986.3	-13.7	-.275	.38376	.001	1



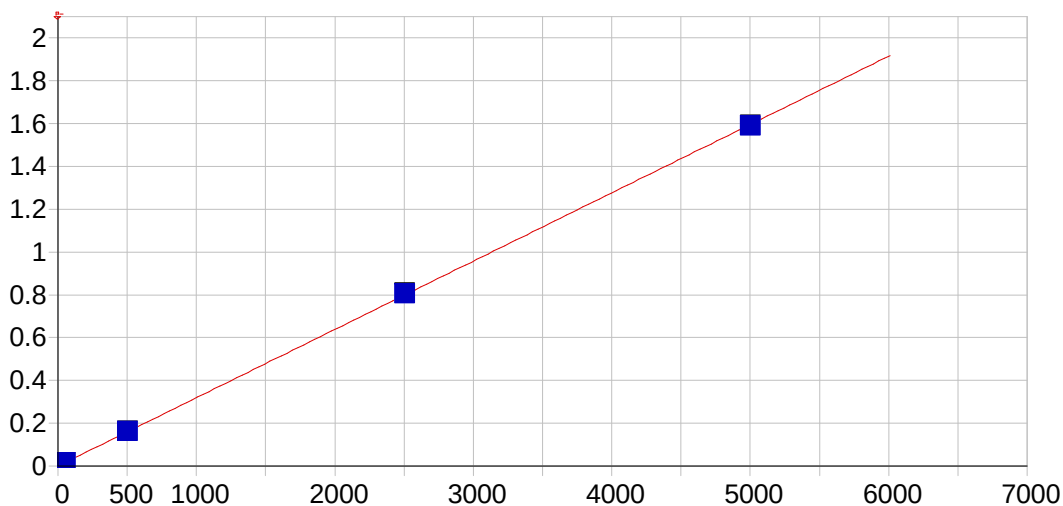
TI 190.856 {477}

Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000285 Re-Slope: 1.000000
 A1 (Gain): 0.000100 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999363 Status: OK.
 Std Error of Est: 0.000041
 Predicted MDL: 2.337172

Predicted MQL: 7.790572

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00246	-.002	.000	-.00029	.000	1
DCAL1	10.000	11.352	1.35	13.5	.00085	.000	1
DCAL2	500.00	555.15	55.1	11.0	.05492	.000	1
DCAL3	2500.0	2557.5	57.5	2.30	.25402	.001	1
DCAL4	5000.0	4886.0	-114.	-2.28	.48552	.002	1

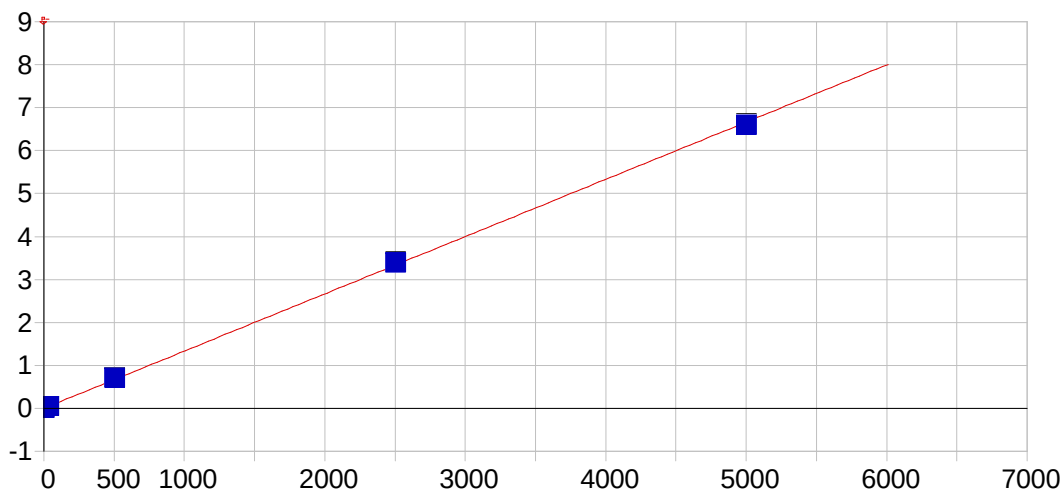


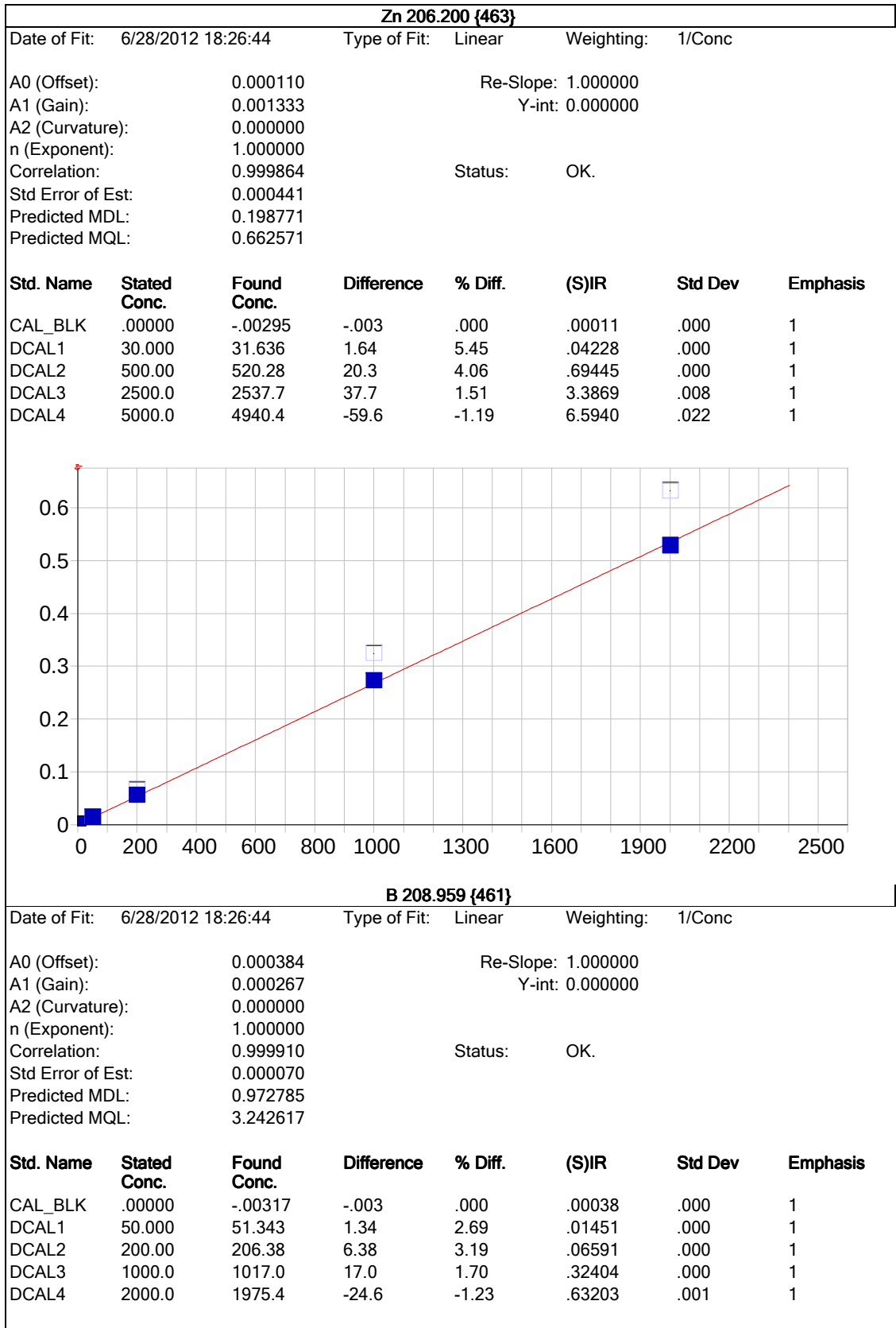
V 292.402 {115}

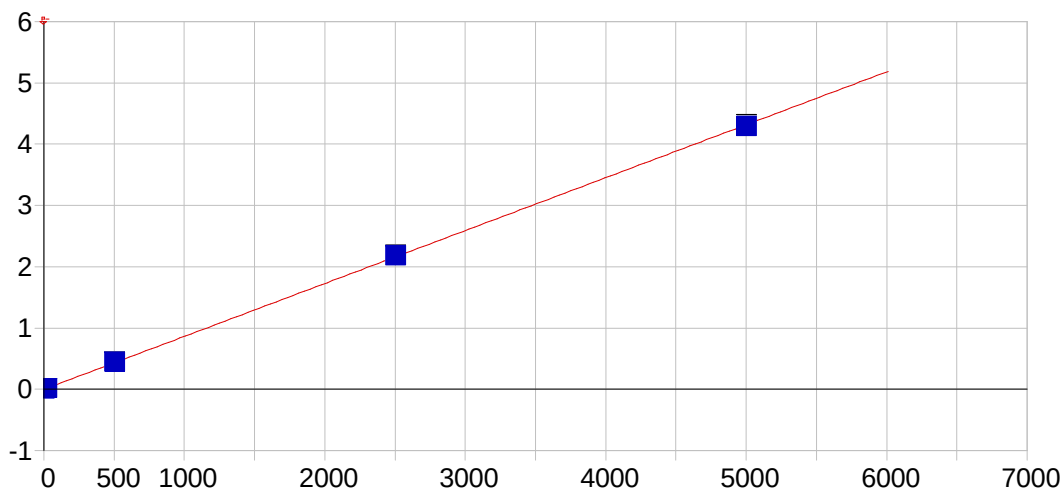
Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000076 Re-Slope: 1.000000
 A1 (Gain): 0.000319 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999985 Status: OK.
 Std Error of Est: 0.000045
 Predicted MDL: 0.513387
 Predicted MQL: 1.711291

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00072	-.001	.000	.00008	.000	1
DCAL1	50.000	50.388	.388	.777	.01615	.000	1
DCAL2	500.00	501.66	1.66	.332	.16029	.000	1
DCAL3	2500.0	2518.7	18.7	.747	.80444	.002	1
DCAL4	5000.0	4979.3	-20.7	-.415	1.5903	.002	1





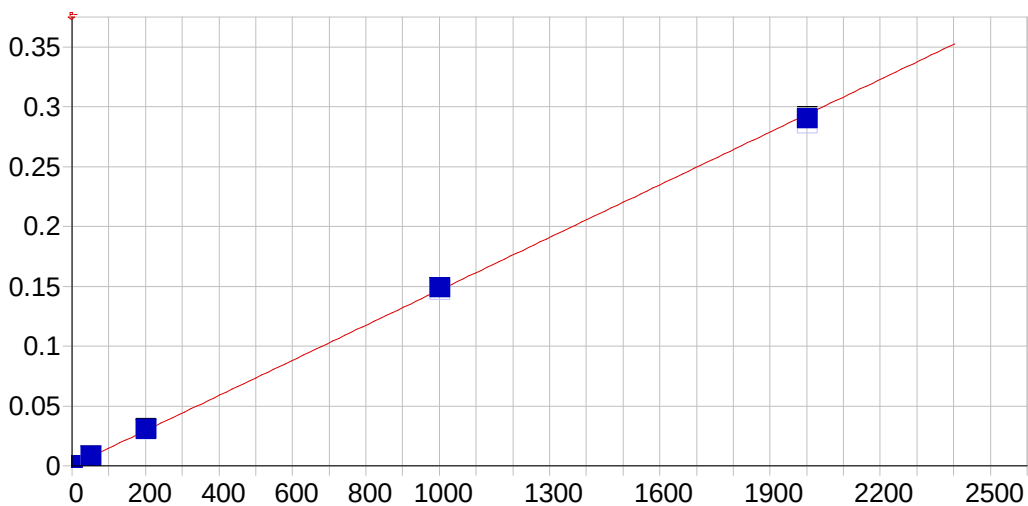


Mo 202.030 (467)

Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000564 Re-Slope: 1.000000
 A1 (Gain): 0.000864 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999964 Status: OK.
 Std Error of Est: 0.000121
 Predicted MDL: 0.329777
 Predicted MQL: 1.099256

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00098	-.001	.000	-.00056	.000	1
DCAL1	20.000	20.582	.582	2.91	.01729	.000	1
DCAL2	500.00	508.49	8.49	1.70	.43954	.000	1
DCAL3	2500.0	2523.2	23.2	.928	2.1833	.005	1
DCAL4	5000.0	4967.7	-32.3	-.645	4.2992	.018	1



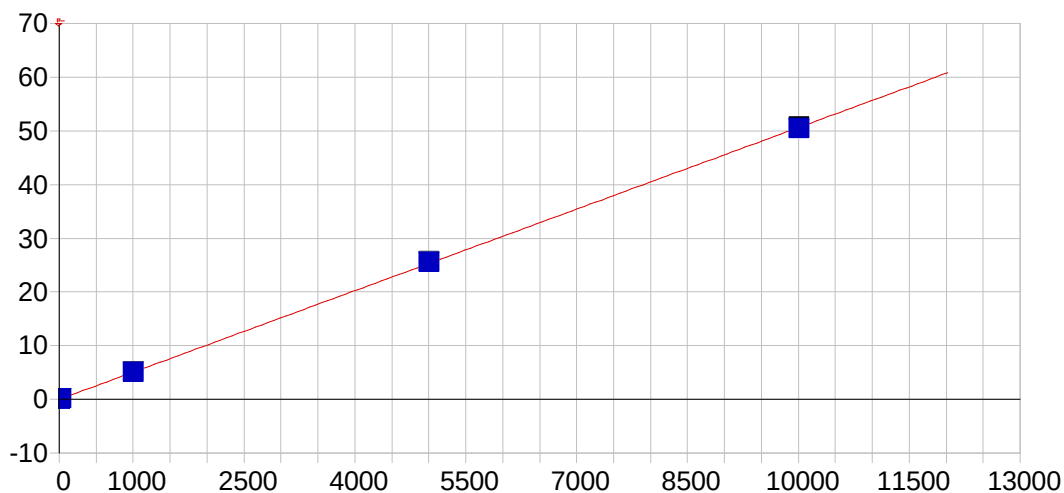
Sn 189.989 (477)

Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000069 Re-Slope: 1.000000
 A1 (Gain): 0.000147 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999850 Status: OK.
 Std Error of Est: 0.000041
 Predicted MDL: 1.087224

Predicted MQL: 3.624080

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00522	-.005	.000	.00007	.000	1
DCAL1	50.000	53.274	3.27	6.55	.00788	.000	1
DCAL2	200.00	207.61	7.61	3.81	.03010	.000	1
DCAL3	1000.0	1012.8	12.8	1.28	.14653	.000	1
DCAL4	2000.0	1976.3	-23.7	-1.19	.28577	.001	1

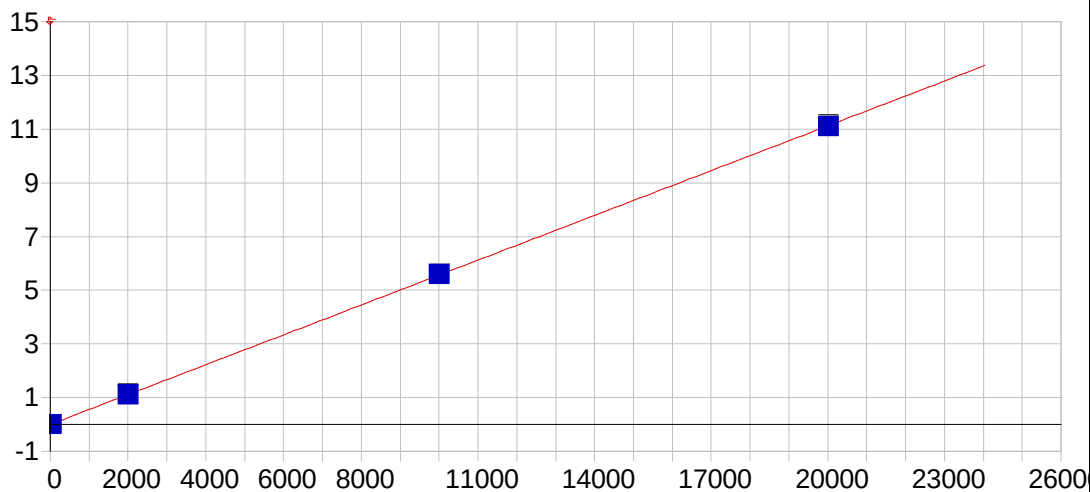


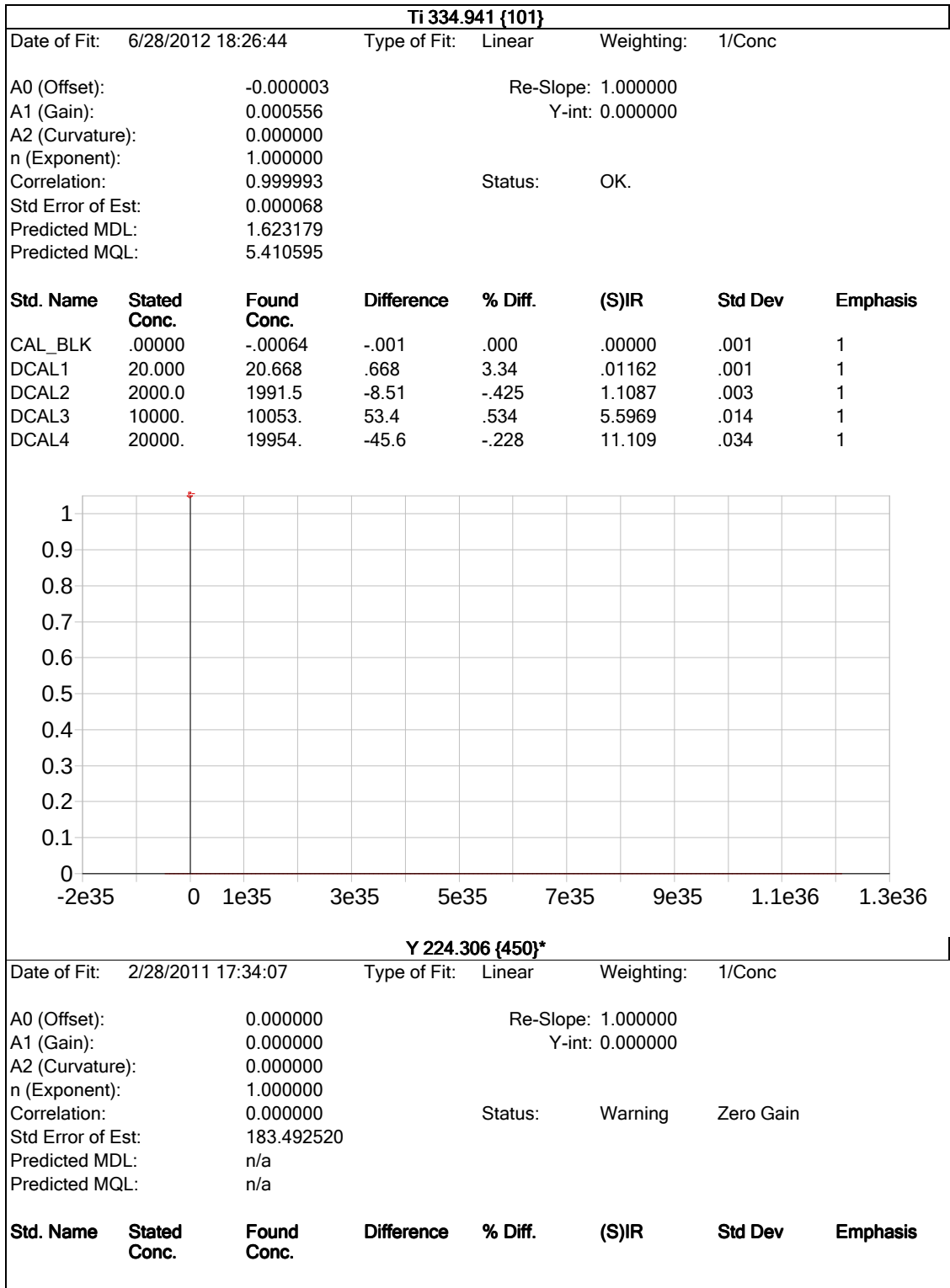
Sr 407.771 { 83}

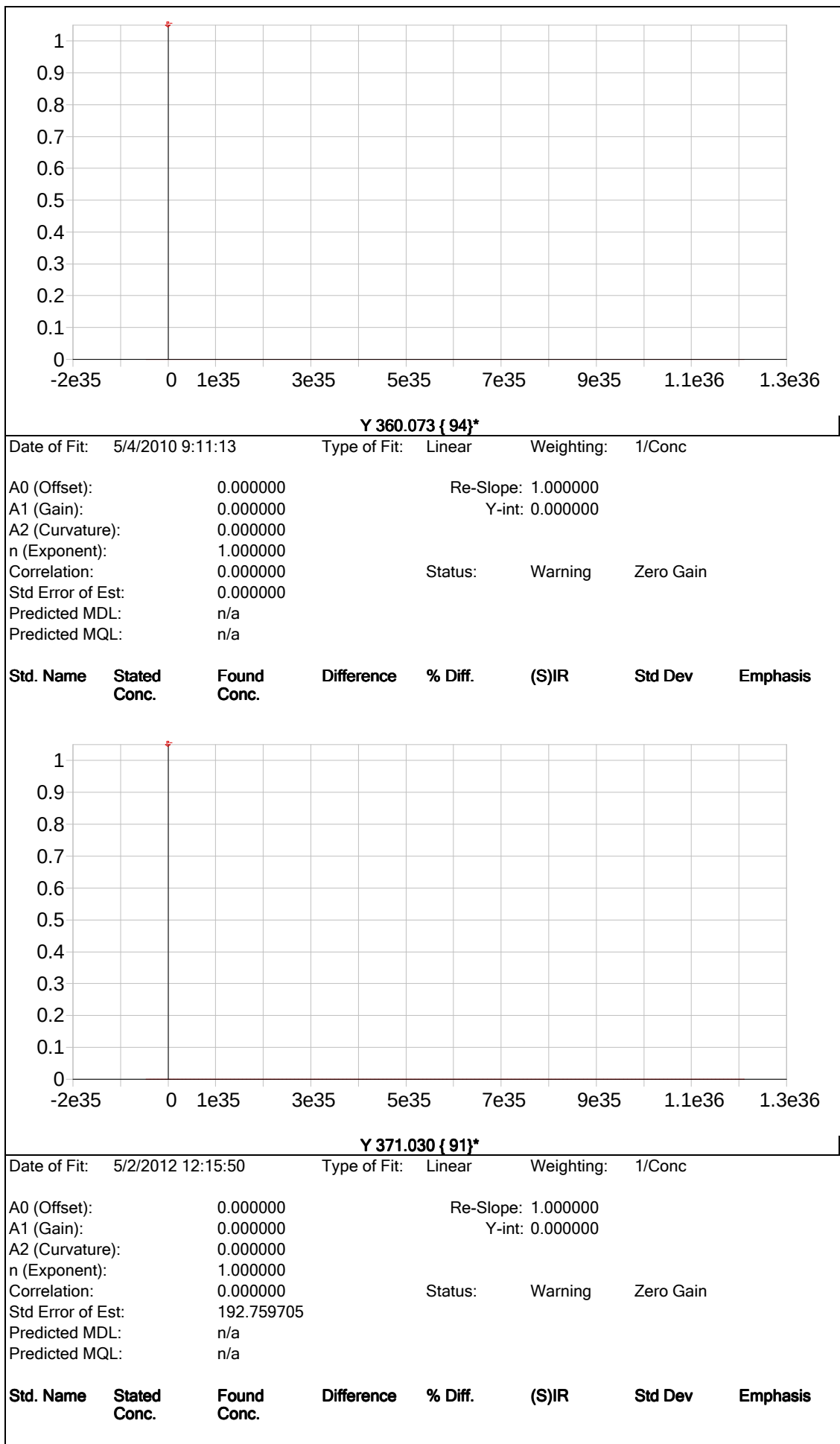
Date of Fit: 6/28/2012 18:26:44 Type of Fit: Linear Weighting: 1/Conc

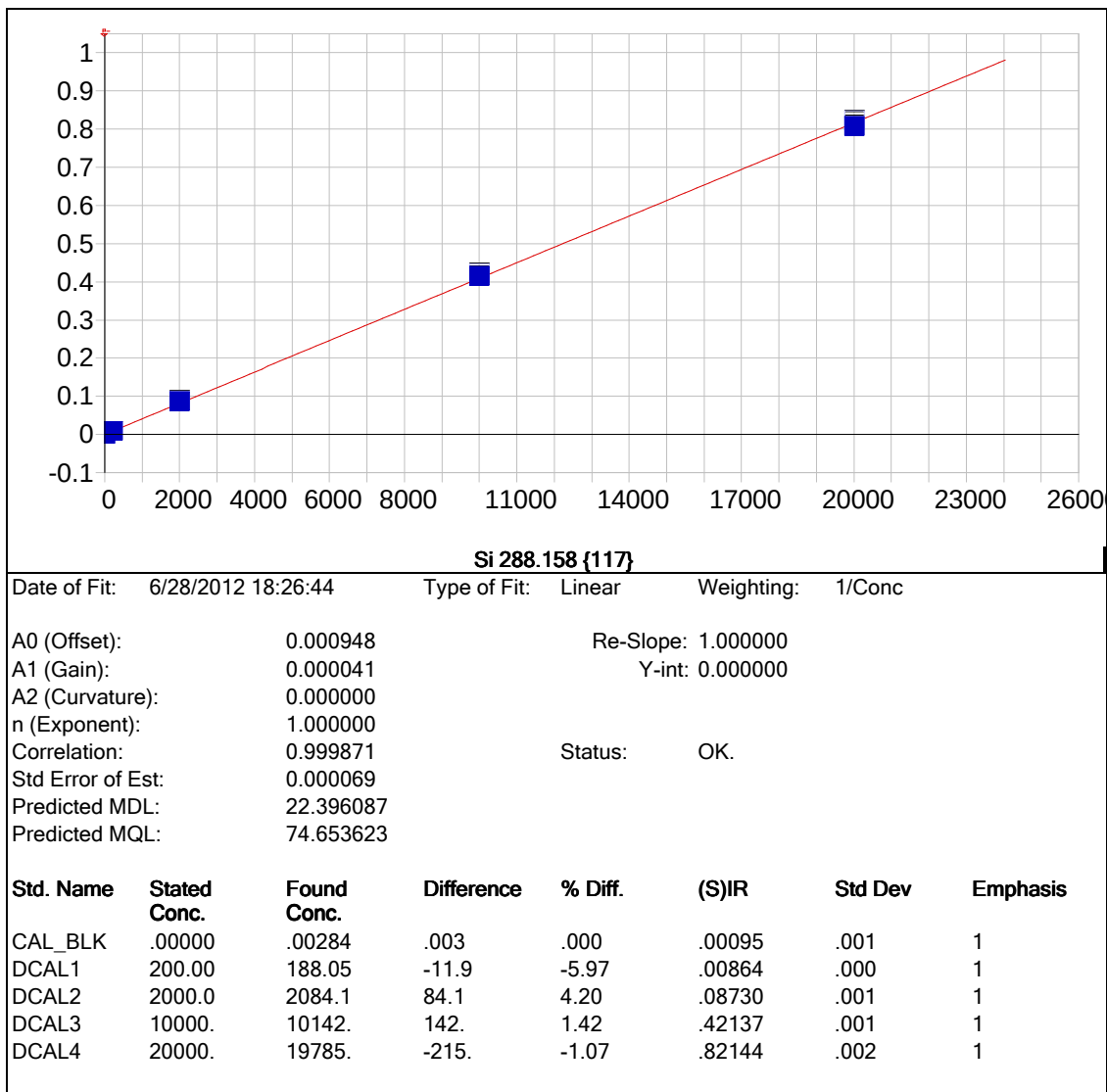
A0 (Offset): -0.002238 Re-Slope: 1.000000
 A1 (Gain): 0.005060 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999982 Status: OK.
 Std Error of Est: 0.000701
 Predicted MDL: 0.190656
 Predicted MQL: 0.635519

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00052	-.001	.000	-.00224	.000	1
DCAL1	20.000	20.566	.566	2.83	.10347	.001	1
DCAL2	1000.0	992.82	-7.18	-.718	5.0150	.014	1
DCAL3	5000.0	5043.3	43.3	.865	25.484	.077	1
DCAL4	10000.	9963.3	-36.7	-.367	50.347	.239	1









Sample Name: CAL_BLK Acquired: 6/28/2012 18:09:00 Type: Cal
Method: SW84606112012(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0009	-.0001	.0000	-.0001	.0008	-.0072
Stddev	.0005	.0002	.000	.0001	.0008	.0006
%RSD	56.25	160.0	87.34	197.5	97.91	7.746

#1	-.0013	-.0002	.0000	.0000	.0004	-.0068
#2	-.0011	.0001	-.0001	.0000	.0016	-.0079
#3	-.0003	-.0002	.0000	-.0002	.0003	-.0071

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	-.0011	-.0006	.0000	.0015	.0000	-.0132
Stddev	.0001	.0001	.0001	.0007	.0000	.0020
%RSD	11.80	22.18	436.5	43.38	150.7	15.44

#1	-.0012	-.0005	.0000	.0008	.0000	-.0110
#2	-.0011	-.0007	.0001	.0021	.0001	-.0137
#3	-.0009	-.0005	-.0001	.0017	.0000	-.0150

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0001	.0041	-.0006	-.0001	.0001
Stddev	.0001	.0001	.0015	.0001	.0001	.0001
%RSD	906.2	61.75	36.34	18.44	119.1	87.99

#1	.0000	.0000	.0031	-.0007	.0000	.0000
#2	-.0001	.0002	.0033	-.0006	-.0002	.0002
#3	.0000	.0001	.0058	-.0005	-.0002	.0002

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	-.0003	.0001	.0001	.0004	-.0006
Stddev	.0002	.0001	.0000	.0003	.0002	.0003
%RSD	438.5	37.33	63.24	275.6	53.34	45.84

#1	.0001	-.0003	.0001	.0004	.0006	-.0004
#2	.0002	-.0004	.0000	-.0002	.0003	-.0004
#3	-.0002	-.0002	.0001	.0001	.0002	-.0009

Sample Name: CAL_BLK Acquired: 6/28/2012 18:09:00 Type: Cal
Method: SW84606112012(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	-.0022	.0000	.0009
Stddev	.0001	.0001	.001	.0010
%RSD	82.15	5.827	35170.	103.4

#1	.0000	-.0022	.0001	.0008
#2	.0001	-.0022	.0012	.0001
#3	.0001	-.0024	-.0013	.0020

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2413.4	26808.	3907.2
Stddev	3.9	29.	10.0
%RSD	.16056	.10790	.25631

#1	2413.1	26805.	3899.9
#2	2409.6	26780.	3918.6
#3	2417.4	26838.	3903.1

Sample Name: DCAL1 Acquired: 6/28/2012 18:12:44 Type: Cal
Method: SW84606112012(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0080	.0002	.0036	.5665	.0094	.2787
Stddev	.0008	.0001	.0002	.0016	.0001	.0006
%RSD	10.35	37.12	4.883	.2850	.9734	.2181

#1	.0073	.0002	.0034	.5682	.0093	.2793
#2	.0089	.0003	.0037	.5662	.0095	.2781
#3	.0079	.0001	.0038	.5650	.0094	.2788

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.0159	.0613	.0029	.0058	.0016	.1463
Stddev	.0001	.0002	.0001	.0002	.0001	.0018
%RSD	.6636	.4010	3.861	2.626	8.277	1.214

#1	.0160	.0610	.0028	.0056	.0017	.1443
#2	.0158	.0615	.0031	.0059	.0016	.1477
#3	.0158	.0613	.0030	.0058	.0014	.1468

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.1495	.0180	.7048	.0393	.0015	.0009
Stddev	.0002	.0003	.0027	.0004	.0005	.0003
%RSD	.1343	1.437	.3841	.9333	33.50	28.05

#1	.1493	.0181	.7071	.0397	.0013	.0013
#2	.1496	.0177	.7018	.0390	.0011	.0008
#3	.1497	.0182	.7054	.0392	.0020	.0008

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	.0008	.0162	.0423	.0145	.0173
Stddev	.0001	.0001	.0001	.0002	.0002	.0001
%RSD	32.12	14.81	.9282	.4488	1.109	.5024

#1	.0003	.0009	.0162	.0424	.0145	.0173
#2	.0004	.0009	.0163	.0421	.0147	.0173
#3	.0005	.0007	.0160	.0424	.0144	.0172

Sample Name: DCAL1 Acquired: 6/28/2012 18:12:44 Type: Cal
Method: SW84606112012(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0079	.1035	.0116	.0086
Stddev	.0001	.0008	.0007	.0004
%RSD	1.832	.7484	6.154	4.316

#1	.0080	.1026	.0118	.0082
#2	.0079	.1036	.0108	.0089
#3	.0077	.1041	.0122	.0088

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2406.2	26624.	3911.5
Stddev	3.7	72.	20.0
%RSD	.15553	.26973	.51194

#1	2402.5	26686.	3895.0
#2	2410.0	26640.	3905.7
#3	2406.1	26545.	3933.8

Sample Name: DCAL2 Acquired: 6/28/2012 18:16:25 Type: Cal
Method: SW84606112012(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.206	.0384	.0918	5.545	.8529	1.389
Stddev	.002	.0002	.0003	.009	.0019	.007
%RSD	.1388	.4056	.2791	.1569	.2224	.4775

#1	1.204	.0382	.0921	5.545	.8507	1.381
#2	1.207	.0385	.0916	5.554	.8537	1.393
#3	1.206	.0383	.0917	5.537	.8542	1.392

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	1.035	.6084	.2885	.3729	.1989	.3015
Stddev	.001	.0007	.0006	.0023	.0000	.0016
%RSD	.1173	.1177	.2014	.6170	.0136	.5359

#1	1.036	.6092	.2887	.3703	.1989	.2996
#2	1.036	.6084	.2890	.3744	.1989	.3026
#3	1.034	.6078	.2879	.3741	.1989	.3023

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.7338	1.137	3.469	.4856	.4555	.0227
Stddev	.0006	.001	.016	.0010	.0007	.0003
%RSD	.0787	.0966	.4582	.2005	.1609	1.442

#1	.7337	1.136	3.454	.4859	.4549	.0224
#2	.7344	1.138	3.486	.4863	.4552	.0230
#3	.7333	1.137	3.468	.4845	.4563	.0227

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0386	.0549	.1603	.6945	.0659	.4395
Stddev	.0002	.0004	.0003	.0001	.0003	.0004
%RSD	.5231	.6630	.1812	.0133	.4230	.0799

#1	.0387	.0550	.1600	.6945	.0656	.4398
#2	.0383	.0552	.1604	.6945	.0661	.4397
#3	.0386	.0545	.1605	.6944	.0660	.4391

Sample Name: DCAL2 Acquired: 6/28/2012 18:16:25 Type: Cal
Method: SW84606112012(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0301	5.015	1.109	.0873
Stddev	.0004	.014	.003	.0011
%RSD	1.236	.2820	.2379	1.245

#1	.0304	4.999	1.106	.0864
#2	.0302	5.027	1.109	.0885
#3	.0297	5.019	1.111	.0870

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2371.9	26061.	3931.4
Stddev	3.9	67.	2.8
%RSD	.16365	.25808	.07182

#1	2367.8	26000.	3930.3
#2	2372.4	26134.	3934.7
#3	2375.5	26050.	3929.4

Sample Name: DCAL3 Acquired: 6/28/2012 18:19:52 Type: Cal
Method: SW84606112012(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.031	.1958	.4711	26.95	4.303	6.968
Stddev	.006	.0011	.0007	.07	.021	.031
%RSD	.0940	.5380	.1431	.2562	.4922	.4454

#1	6.024	.1965	.4717	27.00	4.281	6.937
#2	6.032	.1963	.4712	26.98	4.306	6.968
#3	6.035	.1946	.4703	26.87	4.323	6.999

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	5.014	2.936	1.425	1.880	.9760	1.611
Stddev	.016	.007	.004	.011	.0029	.010
%RSD	.3176	.2288	.3081	.5730	.2986	.6286

#1	5.025	2.941	1.428	1.871	.9767	1.601
#2	5.022	2.938	1.427	1.877	.9785	1.611
#3	4.996	2.928	1.420	1.892	.9728	1.622

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	3.679	5.656	17.49	2.331	2.180	.1147
Stddev	.015	.007	.03	.008	.005	.0005
%RSD	.3972	.1216	.1619	.3559	.2148	.4528

#1	3.689	5.650	17.47	2.337	2.183	.1151
#2	3.686	5.663	17.49	2.334	2.182	.1148
#3	3.663	5.655	17.52	2.321	2.175	.1141

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1935	.2540	.8044	3.387	.3240	2.183
Stddev	.0007	.0007	.0018	.008	.0005	.005
%RSD	.3425	.2903	.2210	.2304	.1419	.2328

#1	.1942	.2548	.8048	3.390	.3241	2.187
#2	.1935	.2534	.8060	3.393	.3245	2.185
#3	.1928	.2539	.8025	3.378	.3235	2.178

Sample Name: DCAL3 Acquired: 6/28/2012 18:19:52 Type: Cal
Method: SW84606112012(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1465	25.48	5.597	.4214
Stddev	.0001	.08	.014	.0006
%RSD	.0344	.3003	.2539	.1327

#1	.1465	25.40	5.587	.4214
#2	.1466	25.51	5.591	.4219
#3	.1465	25.55	5.613	.4208

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2240.7	24479.	3825.6
Stddev	5.7	50.	20.8
%RSD	.25459	.20251	.54471

#1	2246.4	24534.	3843.9
#2	2235.0	24437.	3830.0
#3	2240.9	24468.	3802.9

Sample Name: DCAL4 Acquired: 6/28/2012 18:23:13 Type: Cal
Method: SW84606112012(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	12.04	.3913	.9546	52.28	8.635	13.80
Stddev	.03	.0018	.0014	.18	.018	.03
%RSD	.2192	.4560	.1456	.3406	.2135	.1898

#1	12.04	.3931	.9559	52.47	8.615	13.77
#2	12.07	.3912	.9547	52.27	8.652	13.82
#3	12.02	.3895	.9531	52.11	8.637	13.81

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	9.726	5.726	2.786	3.807	1.899	3.311
Stddev	.034	.020	.010	.003	.006	.002
%RSD	.3519	.3423	.3522	.0888	.3150	.0740

#1	9.761	5.744	2.795	3.806	1.903	3.308
#2	9.724	5.729	2.787	3.811	1.901	3.312
#3	9.692	5.705	2.775	3.804	1.892	3.312

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	7.238	10.97	34.66	4.529	4.206	.2298
Stddev	.022	.06	.11	.012	.009	.0010
%RSD	.3021	.5154	.3034	.2679	.2194	.4157

#1	7.259	10.94	34.69	4.542	4.216	.2306
#2	7.240	11.03	34.75	4.527	4.206	.2302
#3	7.216	10.92	34.54	4.517	4.197	.2288

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3838	.4855	1.590	6.594	.6320	4.299
Stddev	.0012	.0017	.002	.022	.0006	.018
%RSD	.3072	.3414	.1426	.3392	.0918	.4216

#1	.3851	.4872	1.591	6.616	.6327	4.318
#2	.3830	.4855	1.592	6.594	.6315	4.298
#3	.3832	.4839	1.588	6.572	.6319	4.282

Sample Name: DCAL4 Acquired: 6/28/2012 18:23:13 Type: Cal
Method: SW84606112012(v16) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2858	50.35	11.11	.8214
Stddev	.0013	.24	.03	.0021
%RSD	.4556	.4756	.3098	.2518

#1	.2871	50.08	11.12	.8200
#2	.2857	50.53	11.13	.8205
#3	.2845	50.44	11.07	.8238

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2135.8	23395.	3714.3
Stddev	5.7	64.	6.3
%RSD	.26808	.27335	.17017

#1	2131.0	23405.	3708.0
#2	2142.1	23327.	3720.6
#3	2134.2	23453.	3714.4

Sample Name: ICV Acquired: 6/28/2012 18:26:58 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124800.	2464.	1243.	10030.	1002.	126800.
Stddev	197.	2.	1.	8.	1.	252.
%RSD	.1576	.0842	.0744	.0770	.0586	.1985

#1	124900.	2462.	1244.	10030.	1002.	126900.
#2	124900.	2463.	1242.	10040.	1002.	126900.
#3	124500.	2466.	1243.	10030.	1001.	126500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1255.	2491.	5000.	12570.	99840.	49810.
Stddev	.	1.	4.	30.	137.	39.
%RSD	.0045	.0319	.0815	.2385	.1377	.0777

#1	1255.	2491.	4997.	12550.	99680.	49830.
#2	1255.	2491.	4999.	12610.	99910.	49760.
#3	1255.	2490.	5005.	12560.	99930.	49830.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122800.	5109.	124100.	2520.	7558.	1001.
Stddev	76.	9.	261.	.	.	6.
%RSD	.0616	.1766	.2103	.0100	.0036	.5881

#1	122700.	5099.	124400.	2520.	7558.	1004.
#2	122900.	5116.	124100.	2521.	7558.	1005.
#3	122900.	5111.	123800.	2520.	7558.	994.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 6/28/2012 18:26:58 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2419.	2559.	2479.	2480.	1046.	2519.
Stddev	1.	5.	4.	1.	1.	2.
%RSD	.0316	.2001	.1807	.0548	.1060	.0969

#1	2419.	2556.	2474.	2479.	1044.	2517.
#2	2419.	2565.	2480.	2481.	1046.	2522.
#3	2420.	2556.	2483.	2479.	1046.	2519.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	998.2	5073.	9976.	10210.
Stddev	1.9	7.	19.	80.
%RSD	.1913	.1388	.1947	.7872

#1	996.1	5074.	9998.	10130.
#2	999.9	5079.	9971.	10200.
#3	998.7	5065.	9960.	10290.

Check ?	Chk Pass	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	2213.2	24220.	3724.9
Stddev	3.5	79.	15.8
%RSD	.15713	.32490	.42504

#1	2210.9	24228.	3710.8
#2	2211.5	24294.	3722.0
#3	2217.2	24137.	3742.1

Sample Name: CCB Acquired: 6/28/2012 18:30:18 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.729	-.9442	-.3879	.5650	.0078	34.06
Stddev	20.33	2.025	.4383	.3524	.0795	25.35
%RSD	1176.	214.4	113.0	62.38	1019.	74.42
#1	22.69	-1.810	-.1390	.9671	.0280	61.91
#2	.4040	-2.392	-.1307	.4182	.0752	12.32
#3	-17.91	1.370	-.8940	.3097	-.0798	27.96

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	.0963	.1688	.2043	5.945	10.61	235.6
Stddev	.0335	.2345	.5158	3.546	20.59	87.0
%RSD	34.78	138.9	252.5	59.64	194.0	36.92
#1	.0828	.3375	.7704	9.157	32.33	294.1
#2	.1344	.2680	-.2389	6.538	8.145	277.1
#3	.0716	-.0990	.0812	2.141	-8.627	135.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.45	.4036	49.81	.2145	2.221	.6414
Stddev	8.53	.3579	21.58	.4169	.869	5.104
%RSD	81.68	88.66	43.33	194.4	39.12	795.7
#1	19.44	.8163	73.75	.6283	1.550	2.515
#2	9.422	.2161	43.87	.2207	3.202	4.544
#3	2.472	.1785	31.82	-.2055	1.909	-5.134

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/28/2012 18:30:18 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.576	1.697	-0.0554	.1141	2.711	4.511
Stddev	.840	1.684	.6526	.0504	.766	.509
%RSD	53.28	99.25	1179.	44.16	28.24	11.28
#1	1.943	2.966	-5.802	.1627	3.387	4.569
#2	2.168	-.2137	.6753	.1176	2.867	4.989
#3	.6149	2.338	-.2612	.0621	1.880	3.976

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0366	.5766	2.927	10.60
Stddev	1.182	.4887	2.309	8.69
%RSD	3229.	84.76	78.90	81.95
#1	-1.142	1.130	5.275	15.18
#2	.0311	.3972	2.845	.5810
#3	1.221	.2029	.6593	16.04

Check ? Chk Pass 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	2381.2	26494.	3770.2
Stddev	1.8	82.	9.1
%RSD	.07353	.30959	.24138
#1	2381.5	26433.	3780.0
#2	2382.8	26588.	3762.0
#3	2379.3	26462.	3768.7

Sample Name: IC5A 1552029 Acquired: 6/28/2012 18:34:04 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	503800.	.9750	-1.328	-1.396	-.0884	474300.
Stddev	357.	4.036	.894	.065	.2029	854.
%RSD	.0708	414.0	67.34	4.648	229.6	.1801

#1	504100.	5.461	-4.054	-1.322	-.3184	474900.
#2	504000.	-.1739	-2.191	-1.429	.0656	474600.
#3	503400.	-2.362	-1.387	-1.439	-.0124	473300.

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	.4953	-.5263	.1692	4.770	197200.	-177.8
Stddev	.2516	.4733	.0428	4.056	114.	35.9
%RSD	50.79	89.92	25.30	85.04	.0578	20.16

#1	.7724	-.4751	.1635	7.454	197300.	-136.5
#2	.4322	-.0807	.1295	6.751	197300.	-200.8
#3	.2813	-1.023	.2145	.1039	197100.	-196.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504200.	-3.098	-33.04	-1.1809	3.327	-1.557
Stddev	999.	.080	9.29	.8996	1.417	2.227
%RSD	.1980	2.576	28.12	497.3	42.60	143.0

#1	503600.	-3.031	-22.33	.4529	4.798	-1.805
#2	503700.	-3.077	-38.85	.2150	3.211	.7838
#3	505400.	-3.187	-37.96	-1.210	1.971	-3.650

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: IC5A 1552029 Acquired: 6/28/2012 18:34:04 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.241	-6.724	-3.756	.0460	2.058	-1.424
Stddev	3.377	3.653	.454	.3085	1.218	.077
%RSD	150.7	543.2	12.08	671.0	59.18	5.411
#1	-3.216	3.213	-3.788	-.2114	3.213	-1.379
#2	1.516	-1.195	-4.193	-.0386	2.176	-1.381
#3	-5.024	-4.035	-3.287	.3879	.7853	-1.513

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.820	-.0031	-6.601	23.64
Stddev	1.369	.0212	1.588	19.00
%RSD	48.56	687.5	24.06	80.36
#1	1.240	.0136	-4.976	12.01
#2	3.673	.0041	-8.149	45.57
#3	3.546	-.0270	-6.677	13.35

Check ?	Chk Pass	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	2134.6	23042.	3689.3
Stddev	3.2	47.	3.7
%RSD	.15139	.20612	.10047
#1	2137.6	23059.	3691.1
#2	2135.0	23079.	3691.8
#3	2131.1	22988.	3685.1

Sample Name: ICSAB 1552027 Acquired: 6/28/2012 18:37:51 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	512700.	98.90	107.0	101.5	99.12	480700.
Stddev	340.	.96	.7	.4	.06	659.
%RSD	.0663	.9680	.6732	.4160	.0556	.1371

#1	512300.	97.84	107.3	101.1	99.14	481400.
#2	512700.	99.71	106.2	101.9	99.06	480200.
#3	513000.	99.15	107.5	101.6	99.16	480300.

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	99.58	97.13	101.1	102.6	201700.	10500.
Stddev	.46	.56	.3	3.1	475.	45.
%RSD	.4601	.5739	.3052	3.071	.2352	.4300

#1	99.60	97.61	100.9	103.1	201200.	10450.
#2	100.0	97.27	101.4	99.22	202200.	10500.
#3	99.11	96.52	101.0	105.5	201700.	10540.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	521400.	98.76	10790.	97.45	100.7	98.55
Stddev	2250.	.12	11.	.56	2.1	1.51
%RSD	.4315	.1199	.1039	.5750	2.050	1.537

#1	522000.	98.89	10790.	96.84	103.0	99.07
#2	523300.	98.72	10800.	97.93	100.4	99.74
#3	518900.	98.67	10780.	97.59	98.88	96.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1552027 Acquired: 6/28/2012 18:37:51 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	96.50	96.09	96.97	105.2	102.6	96.82
Stddev	2.66	1.89	.97	.7	1.0	.62
%RSD	2.759	1.970	.9987	.7085	.9453	.6404
#1	98.58	94.25	97.97	104.4	103.3	97.21
#2	97.42	98.03	96.90	105.9	103.1	97.15
#3	93.50	95.98	96.03	105.4	101.5	96.11

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	100.4	104.1	91.57	66.19
Stddev	2.2	.1	.98	18.25
%RSD	2.177	.0936	1.073	27.57
#1	100.2	104.1	91.41	61.86
#2	102.7	104.2	92.63	50.50
#3	98.32	104.1	90.69	86.22

Check ? Chk Pass 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	2117.7	22768.	3671.5
Stddev	6.5	134.	1.7
%RSD	.30643	.58861	.04568
#1	2125.1	22920.	3673.4
#2	2115.2	22668.	3670.2
#3	2112.8	22715.	3670.9

Sample Name: INT-10 1552031 Acquired: 6/28/2012 18:41:30 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.23	-7.705	-5.995	.6963	-.9689	79.95
Stddev	63.41	1.124	.427	.0626	.1325	64.97
%RSD	157.6	14.59	7.127	8.991	13.68	81.26
#1	113.4	-8.515	-5.877	.7547	-.8333	154.2
#2	5.421	-6.422	-5.640	.7039	-.9752	52.30
#3	1.848	-8.180	-6.469	.6302	-1.098	33.38

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	-.4401	10260.	10060.	.7885	5.010	153.9
Stddev	.0377	18.	8.	3.359	15.98	45.6
%RSD	8.562	.1743	.0823	426.0	318.9	29.65
#1	-.3966	10270.	10050.	4.433	19.68	145.7
#2	-.4607	10270.	10060.	-2.183	7.365	113.0
#3	-.4631	10240.	10060.	.1157	-12.01	203.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75.00	10070.	69.48	10420.	-5.372	-10.74
Stddev	34.02	97.	17.01	16.	1.391	2.26
%RSD	45.36	.9586	24.49	.1566	25.88	21.06
#1	113.5	10060.	68.59	10430.	-6.967	-8.487
#2	62.56	9979.	86.93	10440.	-4.415	-10.72
#3	48.96	10170.	52.93	10410.	-4.735	-13.01

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: INT-10 1552031 Acquired: 6/28/2012 18:41:30 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.070	-6.215	4909.	-6.238	12.60	5108.
Stddev	.888	1.071	3.	.124	.48	12.
%RSD	14.64	17.24	.0670	1.995	3.809	.2441

#1	-5.208	-5.499	4907.	-6.197	12.27	5117.
#2	-6.020	-5.699	4913.	-6.377	13.15	5114.
#3	-6.983	-7.447	4908.	-6.139	12.37	5094.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10260.	9800.	9843.	10430.
Stddev	29.	63.	16.	272.
%RSD	.2827	.6449	.1590	2.602

#1	10280.	9746.	9852.	10170.
#2	10280.	9785.	9825.	10410.
#3	10230.	9870.	9852.	10710.

Check ?	Chk Pass	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	2378.5	26668.	3866.0
Stddev	2.5	90.	3.6
%RSD	.10371	.33658	.09238

#1	2375.7	26762.	3869.6
#2	2380.1	26660.	3865.8
#3	2379.8	26583.	3862.5

Sample Name: 460-41342-f-1-b du Acquired: 6/28/2012 18:45:22 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.37	2.232	-1.126	56.41	-.0731	66400.
Stddev	33.33	1.599	.343	.30	.0357	76.
%RSD	231.9	71.63	30.45	.5301	48.86	.1144
#1	8.632	3.377	-1.158	56.45	-.1087	66350.
#2	50.19	.4053	-.7686	56.69	-.0732	66360.
#3	-15.71	2.913	-1.452	56.10	-.0373	66490.

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	.0297	.5559	.5281	5.121	45.11	2289.
Stddev	.1103	.3749	.7628	6.196	4.09	92.
%RSD	371.0	67.44	144.4	121.0	9.058	4.038
#1	.0399	.9886	1.408	-.2288	49.33	2186.
#2	-.0853	.3250	.0505	3.681	41.17	2364.
#3	.1346	.3543	.1259	11.91	44.84	2319.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1444.	1.820	3415.	.9032	.4639	1.001
Stddev	7.	.772	9.	.5514	1.241	1.088
%RSD	.4889	42.44	.2729	61.05	267.6	108.7
#1	1445.	2.703	3407.	1.519	.6820	.6189
#2	1437.	1.489	3412.	.7334	-.8721	.1556
#3	1451.	1.268	3425.	.4566	1.582	2.229

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41342-f-1-b du Acquired: 6/28/2012 18:45:22 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.888	.3134	.0782	.9408	10.20	7.801
Stddev	4.966	.9397	.3859	.0713	.29	1.674
%RSD	263.0	299.9	493.7	7.578	2.866	21.45
#1	3.846	-.6458	.5184	.9504	10.29	9.693
#2	-4.808	1.232	-.2013	.8652	9.875	7.196
#3	-4.703	.3535	-.0827	1.007	10.44	6.514

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.897	185.8	3.972	5259.
Stddev	.369	1.1	2.277	28.
%RSD	12.73	.5820	57.32	.5342
#1	3.204	187.1	5.682	5287.
#2	3.000	185.2	1.388	5259.
#3	2.488	185.2	4.847	5231.

Check ? Chk Pass 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	2347.3	25912.	3852.2
Stddev	4.3	122.	17.6
%RSD	.18393	.47210	.45711
#1	2352.1	25954.	3867.8
#2	2343.8	26008.	3855.8
#3	2345.9	25774.	3833.1

Sample Name: 460-41342-f-1-a Acquired: 6/28/2012 18:49:04 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.661	-1.553	-.9466	56.16	.0578	66520.
Stddev	23.24	.624	.2561	.17	.1157	126.
%RSD	240.5	40.14	27.06	.2939	200.1	.1900
#1	1.700	-.8932	-.6727	56.34	.1666	66490.
#2	-8.549	-2.132	-1.180	56.09	.0706	66410.
#3	35.83	-1.634	-.9868	56.03	-.0637	66660.

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	.0518	.0131	-.2873	1.974	54.55	2276.
Stddev	.0859	.1793	.1613	6.232	7.09	13.
%RSD	165.9	1370.	56.16	315.6	13.00	.5801
#1	-.0357	-.1758	-.1972	2.893	62.52	2289.
#2	.0550	.0340	-.4736	-4.666	48.95	2276.
#3	.1361	.1810	-.1911	7.696	52.18	2263.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1428.	1.122	3429.	.3234	.7223	1.711
Stddev	3.	.024	13.	.2881	1.180	2.124
%RSD	.1899	2.174	.3881	89.06	163.3	124.2
#1	1431.	1.148	3444.	.6561	1.643	-.5915
#2	1428.	1.100	3419.	.1580	1.132	3.595
#3	1426.	1.118	3423.	.1562	-.6075	2.128

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41342-f-1-a Acquired: 6/28/2012 18:49:04 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.118	1.529	-.0731	1.157	10.46	.6966
Stddev	1.959	2.836	.0940	.046	1.00	.1383
%RSD	92.52	185.5	128.5	3.994	9.597	19.85
#1	2.434	-1.459	-.1198	1.132	11.62	.5737
#2	3.899	1.863	-.1347	1.129	9.865	.6698
#3	.0195	4.183	.0350	1.210	9.899	.8463

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3005	185.2	3.046	5277.
Stddev	.5999	1.1	1.793	58.
%RSD	199.6	.5793	58.86	1.099
#1	-.3317	185.2	4.892	5308.
#2	.8617	184.1	1.311	5210.
#3	.3716	186.3	2.935	5312.

Check ? Chk Pass 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	2377.1	26280.	3906.2
Stddev	17.2	341.	66.7
%RSD	.72563	1.2957	1.7086
#1	2359.1	26022.	3866.6
#2	2378.7	26152.	3868.7
#3	2393.5	26666.	3983.3

Sample Name: sd 460-41342-f-1-a@5 Acquired: 6/28/2012 18:52:45 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.14	-1.042	-.5649	11.13	-.1997	13350.
Stddev	14.36	2.199	.3003	.04	.0576	30.
%RSD	94.88	211.1	53.16	.3483	28.85	.2272
#1	13.24	-3.288	-.2222	11.18	-.2561	13320.
#2	1.816	-.9439	-.7821	11.11	-.2020	13380.
#3	30.36	1.107	-.6903	11.12	-.1409	13360.

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	.1323	.0011	.0913	7.325	-.1821	562.9
Stddev	.0882	.2947	.1264	.613	13.12	46.4
%RSD	66.64	27760.	138.6	8.375	7204.	8.247
#1	.0455	.2080	-.0077	6.772	14.50	616.5
#2	.2218	-.3364	.0478	7.219	-10.75	535.8
#3	.1297	.1316	.2337	7.985	-4.294	536.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	286.9	.2678	677.0	.4537	.7070	1.126
Stddev	2.3	.0470	16.3	.0829	1.173	1.353
%RSD	.8115	17.56	2.413	18.28	165.9	120.2
#1	286.4	.2948	662.2	.3659	2.045	1.942
#2	289.4	.2951	694.5	.4645	-.1432	1.871
#3	284.8	.2135	674.4	.5307	.2195	-.4365

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: sd 460-41342-f-1-a@5 Acquired: 6/28/2012 18:52:45 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.258	-.3735	-.4918	.6325	2.384	.5584
Stddev	3.182	2.057	.0801	.0567	.552	.0424
%RSD	252.9	550.8	16.29	8.967	23.14	7.592
#1	1.945	.4289	-.5486	.6898	2.469	.5481
#2	4.042	-2.711	-.5267	.6312	2.889	.6049
#3	-2.211	1.162	-.4002	.5764	1.795	.5221

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5555	36.81	.5881	1021.
Stddev	.5256	.38	2.769	5.
%RSD	94.62	1.030	470.8	.5023
#1	.9225	37.06	1.158	1020.
#2	-.0466	37.00	-2.421	1026.
#3	.7906	36.38	3.028	1016.

Check ?	Chk Pass	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	2387.7	26663.	3865.9
Stddev	14.2	141.	25.3
%RSD	.59631	.52973	.65356
#1	2402.1	26826.	3886.6
#2	2387.4	26572.	3873.3
#3	2373.6	26592.	3837.7

Sample Name: 460-41342-f-1-c ms Acquired: 6/28/2012 18:56:28 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1938.	1928.	47.12	2071.	49.05	85570.
Stddev	19.	2.	.36	3.	.12	210.
%RSD	.9953	.1225	.7676	.1399	.2379	.2456

#1	1960.	1926.	47.52	2071.	49.05	85460.
#2	1925.	1931.	47.00	2074.	48.94	85430.
#3	1928.	1928.	46.83	2069.	49.17	85810.

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	50.79	502.8	199.8	249.7	1063.	20980.
Stddev	.22	.7	.1	4.8	6.	84.
%RSD	.4300	.1314	.0253	1.926	.5290	.4020

#1	50.76	502.0	199.8	254.0	1065.	20940.
#2	51.02	503.2	199.9	244.5	1067.	21080.
#3	50.59	503.1	199.8	250.6	1057.	20930.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20440.	513.3	22670.	509.6	515.2	484.0
Stddev	31.	.7	22.	1.0	1.5	1.7
%RSD	.1509	.1351	.0960	.1952	.2843	.3456

#1	20440.	512.6	22680.	508.9	516.8	485.7
#2	20480.	513.4	22650.	510.7	514.6	483.9
#3	20410.	514.0	22690.	509.1	514.1	482.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41342-f-1-c ms Acquired: 6/28/2012 18:56:28 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1890.	2125.	490.2	497.8	514.4	496.3
Stddev	5.	3.	1.8	1.1	1.3	.9
%RSD	.2586	.1515	.3626	.2259	.2462	.1736
#1	1887.	2129.	488.1	498.7	513.1	496.5
#2	1896.	2123.	491.1	498.2	515.6	497.1
#3	1888.	2123.	491.2	496.6	514.5	495.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	507.2	660.6	498.0	5369.
Stddev	1.0	1.8	1.6	53.
%RSD	.1892	.2753	.3246	.9949
#1	506.6	660.6	499.8	5308.
#2	506.7	658.8	496.8	5406.
#3	508.3	662.5	497.4	5394.

Check ? Chk Pass 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	2318.6	25475.	3825.0
Stddev	2.1	73.	25.5
%RSD	.09144	.28588	.66759
#1	2316.3	25507.	3795.8
#2	2320.5	25391.	3836.4
#3	2318.8	25525.	3842.9

Sample Name: pds 460-41342-f-1-a Acquired: 6/28/2012 18:59:54 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1933.	1952.	47.80	2080.	49.09	84620.
Stddev	12.	10.	.54	4.	.29	219.
%RSD	.6026	.5351	1.122	.2095	.6007	.2583

#1	1935.	1951.	48.22	2083.	49.37	84770.
#2	1944.	1963.	47.20	2082.	49.12	84370.
#3	1921.	1942.	48.00	2075.	48.79	84730.

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	50.94	504.8	200.2	255.1	1053.	21010.
Stddev	.21	1.8	.5	3.6	6.	90.
%RSD	.4171	.3612	.2616	1.426	.6091	.4300

#1	51.10	505.8	199.7	256.3	1050.	21110.
#2	51.02	505.8	200.4	257.9	1049.	20930.
#3	50.70	502.7	200.7	251.0	1061.	21010.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20530.	513.4	22730.	511.8	519.4	488.3
Stddev	36.	1.6	43.	1.4	1.3	2.9
%RSD	.1762	.3099	.1889	.2741	.2494	.5979

#1	20550.	515.1	22750.	513.2	520.9	489.6
#2	20490.	513.3	22680.	510.4	519.0	490.3
#3	20550.	511.9	22770.	511.9	518.4	485.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-41342-f-1-a Acquired: 6/28/2012 18:59:54 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1904.	2150.	491.1	500.2	515.2	500.5
Stddev	7.	4.	1.0	.8	.7	1.0
%RSD	.3650	.1978	.1960	.1648	.1303	.1964
#1	1903.	2154.	492.2	500.7	515.9	501.5
#2	1911.	2149.	490.3	500.6	514.7	500.4
#3	1897.	2146.	490.9	499.2	514.9	499.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	511.9	660.0	499.4	5330.
Stddev	1.2	1.3	1.4	37.
%RSD	.2257	.1998	.2841	.6883
#1	512.1	661.0	497.9	5307.
#2	513.0	658.5	499.5	5310.
#3	510.7	660.5	500.8	5372.

Check ?	Chk Pass	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	2337.9	25791.	3861.8
Stddev	6.5	85.	12.5
%RSD	.27852	.32904	.32248
#1	2331.9	25776.	3848.9
#2	2337.0	25883.	3873.8
#3	2344.8	25716.	3862.7

Sample Name: 460-41573-a-1-a Acquired: 6/28/2012 19:03:20 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.09	16.76	-4437	28.74	-1084	36220.
Stddev	12.66	.69	.3138	.21	.1019	61.
%RSD	25.78	4.125	70.71	.7388	93.97	.1697
#1	63.24	15.96	-7079	28.97	-.0516	36240.
#2	38.83	17.20	-.5264	28.71	-.0477	36150.
#3	45.21	17.11	-.0969	28.55	-.2261	36270.

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	.0599	-.1477	1.199	16.25	576.5	63060.
Stddev	.1052	.2827	.540	2.46	7.3	386.
%RSD	175.6	191.4	45.04	15.16	1.271	.6119
#1	.1768	-.1348	1.646	17.94	576.6	62690.
#2	.0301	-.4365	1.353	13.42	583.8	63040.
#3	-.0272	.1284	.5990	17.38	569.1	63460.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	214900.	49.27	F 346000.	2.341	16.12	F 2430.
Stddev	341.	.05	812.	.127	.57	2.
%RSD	.1585	.0996	.2346	5.415	3.508	.0983
#1	214600.	49.23	347000.	2.337	15.80	2432.
#2	215300.	49.25	345500.	2.469	16.77	2432.
#3	214900.	49.32	345600.	2.215	15.79	2428.

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			250000.			2000.
Low Limit			-5000.			-20.00

Sample Name: 460-41573-a-1-a Acquired: 6/28/2012 19:03:20 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.276	-.8530	3.159	15.87	175.6	119.2
Stddev	1.848	1.590	.366	.12	1.3	.5
%RSD	56.42	186.4	11.60	.7555	.7494	.4336
#1	3.089	.1351	2.747	15.97	175.8	119.0
#2	1.529	-.0073	3.281	15.89	176.9	119.7
#3	5.211	-2.687	3.448	15.74	174.2	118.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2937	328.0	4.379	1948.
Stddev	1.571	1.2	1.819	16.
%RSD	535.0	.3645	41.53	.8057
#1	-.2061	329.2	4.846	1933.
#2	-.9667	326.8	5.918	1949.
#3	2.054	328.2	2.372	1964.

Check ? Chk Pass 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	2206.7	24052.	3843.6
Stddev	3.6	84.	18.9
%RSD	.16202	.34840	.49200
#1	2205.7	24147.	3864.2
#2	2203.8	24020.	3839.7
#3	2210.7	23988.	3827.0

Sample Name: lcs 460-117825/2-a Acquired: 6/28/2012 19:07:00 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1919.	1893.	46.25	2002.	47.86	19410.
Stddev	25.	10.	.24	6.	.20	14.
%RSD	1.300	.5119	.5249	.2816	.4149	.0740

#1	1938.	1904.	46.42	2007.	47.75	19420.
#2	1928.	1887.	45.97	2003.	47.74	19420.
#3	1891.	1887.	46.36	1996.	48.09	19400.

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	50.56	503.0	198.4	244.0	1010.	18470.
Stddev	.22	1.3	.4	.4	6.	31.
%RSD	.4264	.2548	.2052	.1463	.6239	.1685

#1	50.78	504.3	198.0	244.3	1015.	18500.
#2	50.56	503.1	198.4	243.6	1003.	18460.
#3	50.35	501.7	198.8	244.1	1013.	18440.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19050.	503.8	19070.	510.2	515.5	479.6
Stddev	24.	.5	73.	2.3	1.2	.3
%RSD	.1261	.1025	.3821	.4437	.2233	.0587

#1	19070.	504.4	19140.	512.7	516.2	479.9
#2	19060.	503.4	19070.	509.1	516.2	479.6
#3	19020.	503.7	19000.	508.6	514.2	479.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-117825/2-a Acquired: 6/28/2012 19:07:00 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1868.	2147.	480.2	496.3	495.2	493.3
Stddev	3.	5.	.5	1.5	1.5	1.2
%RSD	.1345	.2459	.1143	.2979	.3096	.2455

#1	1865.	2152.	480.6	497.4	496.5	494.3
#2	1869.	2149.	480.4	497.0	493.5	493.7
#3	1870.	2142.	479.5	494.7	495.6	492.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	504.0	470.5	491.6	F 86.86
Stddev	1.3	.6	1.4	33.41
%RSD	.2594	.1356	.2763	38.46

#1	504.8	470.2	490.1	55.58
#2	502.5	471.2	491.8	82.93
#3	504.7	470.0	492.7	122.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				2000.
Range				-15.00%

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	2355.0	25987.	3854.2
Stddev	4.8	126.	15.4
%RSD	.20433	.48566	.39902

#1	2350.0	26021.	3839.0
#2	2355.2	26092.	3853.7
#3	2359.7	25847.	3869.8

Sample Name: CCV Acquired: 6/28/2012 19:10:26 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125700.	2534.	1257.	10270.	985.2	124600.
Stddev	187.	4.	1.	4.	.7	132.
%RSD	.1490	.1482	.0564	.0384	.0706	.1059

#1	125500.	2533.	1256.	10270.	984.5	124700.
#2	125800.	2538.	1258.	10280.	985.2	124700.
#3	125800.	2530.	1256.	10270.	985.9	124500.

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	1290.	2536.	5130.	12330.	101700.	48800.
Stddev	1.	3.	8.	10.	50.	122.
%RSD	.0761	.1106	.1619	.0849	.0492	.2508

#1	1289.	2535.	5122.	12340.	101600.	48720.
#2	1291.	2539.	5138.	12320.	101700.	48740.
#3	1291.	2534.	5129.	12330.	101700.	48940.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126300.	5122.	124200.	2572.	7726.	1030.
Stddev	289.	5.	59.	3.	5.	1.
%RSD	.2290	.0985	.0473	.1300	.0710	.1353

#1	126000.	5127.	124300.	2569.	7719.	1032.
#2	126400.	5121.	124200.	2576.	7729.	1029.
#3	126500.	5117.	124200.	2572.	7729.	1030.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/28/2012 19:10:26 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2492.	2609.	2516.	2535.	1046.	2568.
Stddev	6.	6.	1.	2.	2.	3.
%RSD	.2243	.2306	.0468	.0637	.1616	.1068

#1	2493.	2612.	2516.	2534.	1045.	2566.
#2	2487.	2602.	2518.	2537.	1048.	2571.
#3	2498.	2613.	2515.	2534.	1047.	2567.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1018.	5028.	10120.	10200.
Stddev	1.	4.	19.	38.
%RSD	.0803	.0747	.1920	.3733

#1	1019.	5025.	10100.	10240.
#2	1018.	5032.	10120.	10160.
#3	1018.	5027.	10140.	10190.

Check ?	Chk Pass	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	2204.0	24108.	3751.4
Stddev	6.2	27.	16.1
%RSD	.28004	.11216	.42863

#1	2198.0	24080.	3766.8
#2	2203.6	24108.	3734.7
#3	2210.4	24135.	3752.6

Sample Name: CCB Acquired: 6/28/2012 19:13:46 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.78	-.4261	-.7721	.4192	-.1593	22.80
Stddev	21.54	1.079	.1115	.3918	.0919	23.60
%RSD	136.5	253.3	14.44	93.47	57.69	103.5
#1	18.29	-1.424	-.8318	.8714	-.1026	49.82
#2	35.95	.7188	-.6435	.2045	-.2654	6.175
#3	-6.906	-.5728	-.8410	.1816	-.1100	12.42

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	.0370	.0682	1.146	5.693	17.76	249.5
Stddev	.0772	.1148	.544	6.628	20.38	50.7
%RSD	208.7	168.4	47.46	116.4	114.8	20.33
#1	.1096	.0954	1.764	12.20	41.08	307.8
#2	.0453	.1670	.7400	5.936	3.338	225.1
#3	-.0440	-.0578	.9340	-1.053	8.856	215.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.21	.3628	45.46	.3957	2.176	1.976
Stddev	11.29	.3241	36.17	.4727	1.373	2.135
%RSD	79.48	89.32	79.57	119.4	63.09	108.0
#1	26.87	.7309	86.05	.9343	3.574	1.160
#2	10.58	.2373	33.68	.2025	.8291	4.399
#3	5.177	.1203	16.65	.0502	2.126	.3697

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 6/28/2012 19:13:46 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5893	1.917	.1246	-.0324	2.356	3.214
Stddev	1.506	.725	.2244	.1395	1.455	.065
%RSD	255.5	37.79	180.1	430.3	61.77	2.028

#1	1.123	1.435	.3536	.1194	4.033	3.166
#2	-1.185	2.750	.1149	-.0616	1.429	3.187
#3	-1.706	1.566	-.0949	-.1550	1.606	3.288

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3517	.5577	1.959	.2922
Stddev	1.040	.5803	.574	8.282
%RSD	295.6	104.1	29.29	2834.

#1	1.041	1.186	1.921	4.549
#2	.8584	.4448	2.551	-9.253
#3	-.8441	.0420	1.405	5.580

Check ?	Chk Pass	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	2374.4	26378.	3819.4
Stddev	7.1	16.	20.1
%RSD	.30047	.06154	.52527

#1	2366.6	26391.	3804.9
#2	2376.2	26383.	3811.0
#3	2380.5	26359.	3842.3

Sample Name: mb 460-117825/1-a Acquired: 6/28/2012 19:17:32 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.756	.2901	-.7613	.0552	-.1639	31.02
Stddev	1.538	1.493	.3821	.0223	.0508	12.16
%RSD	87.59	514.6	50.19	40.31	31.00	39.20

#1	1.256	.0120	-.5370	.0732	-.2091	19.24
#2	.5299	1.902	-.5443	.0303	-.1736	30.28
#3	3.482	-1.044	-1.202	.0622	-.1089	43.53

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	.0565	.1673	.2987	.3505	5.796	149.8
Stddev	.0109	.1761	.1247	2.522	9.539	29.6
%RSD	19.25	105.3	41.75	719.4	164.6	19.79

#1	.0448	.0386	.1942	-.8044	9.076	140.9
#2	.0582	.0953	.4368	-1.387	-4.950	125.7
#3	.0664	.3680	.2651	3.243	13.26	182.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.116	-.0496	-.8518	-.2327	.4305	.3992
Stddev	2.866	.0540	18.98	.1370	.7932	1.550
%RSD	46.86	108.8	2229.	58.87	184.2	388.3

#1	9.421	-.0951	-13.50	-.3772	1.224	-1.229
#2	4.315	-.0638	20.98	-.1047	.4308	1.856
#3	4.612	.0100	-10.04	-.2163	-.3628	.5708

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-117825/1-a Acquired: 6/28/2012 19:17:32 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.622	-.5011	-.1522	-.0398	2.202	.4387
Stddev	2.565	1.218	.2133	.1349	.559	.1125
%RSD	97.82	243.1	140.1	338.6	25.38	25.64
#1	5.578	.2128	-.2317	-.0695	2.234	.3223
#2	1.301	-1.908	-.3144	-.1575	2.744	.4470
#3	.9876	.1918	.0894	.1074	1.627	.5469

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9284	.2121	.9852	9.848
Stddev	.5892	.0712	.2521	4.594
%RSD	63.47	33.55	25.59	46.65
#1	.3218	.1743	1.252	10.24
#2	1.499	.2942	.9536	5.072
#3	.9649	.1678	.7504	14.24

Check ? Chk Pass 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	26466.	3836.1
Stddev	3.6	85.	18.2
%RSD	.15007	.32163	.47359
#1	2390.1	26553.	3824.6
#2	2383.8	26463.	3857.0
#3	2389.9	26383.	3826.7

Sample Name: 460-41573-a-3-a Acquired: 6/28/2012 19:21:17 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	88.42	1.432	-.1643	26.37	-.0313	229300.
Stddev	1.39	1.519	.3934	.14	.1056	480.
%RSD	1.577	106.0	239.4	.5170	337.0	.2092

#1	87.82	-.2869	-.4016	26.44	.0818	229700.
#2	87.43	1.992	-.3811	26.46	-.0485	229500.
#3	90.02	2.592	.2898	26.21	-.1273	228800.

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	.1344	-1.016	-.9387	6.862	125.8	F 216300.
Stddev	.0655	.335	.4888	.737	15.6	3490.
%RSD	48.74	32.99	52.07	10.75	12.36	1.614

#1	.1927	-.8320	-1.486	6.393	132.8	212200.
#2	.0635	-1.402	-.7863	6.480	136.6	218300.
#3	.1470	-.8124	-.5443	7.712	108.0	218300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 646100.	59.32	F 3133000.	1.307	.0859	-1.177
Stddev	9465.	.14	159000.	.228	2.166	1.044
%RSD	1.465	.2351	5.075	17.43	2521.	88.64

#1	652600.	59.34	3316000.	1.190	2.334	-.2539
#2	650400.	59.45	3061000.	1.570	-.0900	-.9686
#3	635300.	59.17	3024000.	1.162	-1.987	-2.310

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Sample Name: 460-41573-a-3-a Acquired: 6/28/2012 19:21:17 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.192	-1.422	2.266	10.41	F 2512.	5.994
Stddev	3.773	3.048	.257	.24	11.	.190
%RSD	118.2	214.3	11.34	2.271	.4545	3.172
#1	7.535	-3.436	2.421	10.68	2513.	6.140
#2	.7173	2.084	2.407	10.23	2522.	6.062
#3	1.323	-2.914	1.969	10.33	2499.	5.779

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-4.917	4014.	5.656	1862.
Stddev	1.603	9.	1.576	34.
%RSD	326.0	.2321	27.86	1.813
#1	-1.773	4007.	5.456	1836.
#2	1.305	4024.	4.190	1900.
#3	-1.008	4010.	7.322	1850.

Check ?	Chk Pass	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	1820.0	19795.	3718.8
Stddev	14.3	321.	88.2
%RSD	.78406	1.6195	2.3728
#1	1804.1	19462.	3619.3
#2	1824.4	19821.	3787.7
#3	1831.6	20102.	3749.4

Sample Name: 460-41740-e-16-a Acquired: 6/28/2012 19:25:14 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.048	-1.375	-.7550	-.0189	-.1291	67.50
Stddev	7.566	.624	.3447	.0251	.0738	34.28
%RSD	369.4	45.42	45.65	132.5	57.15	50.78
#1	-5.248	-1.983	-1.096	-.0478	-.1769	104.3
#2	-7.489	-.7359	-.4070	-.0027	-.1662	61.68
#3	6.591	-1.405	-.7619	-.0062	-.0441	36.51

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	.0568	.0398	.1797	5.325	-.5456	528.9
Stddev	.0230	.1574	.5133	2.304	10.54	145.7
%RSD	40.55	395.3	285.6	43.27	1932.	27.55
#1	.0591	.0291	.5334	5.456	7.158	695.8
#2	.0787	-.1120	-.4090	2.958	3.762	464.7
#3	.0327	.2024	.4148	7.561	-12.56	426.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57.91	.0645	1627.	-.3427	.8894	-1.306
Stddev	53.48	.0303	1053.	.2462	.5266	.907
%RSD	92.35	47.00	64.72	71.85	59.21	69.42
#1	118.8	.0518	2814.	-.0587	.5778	-2.069
#2	36.27	.0426	1261.	-.4735	1.497	-.3036
#3	18.64	.0991	805.5	-.4959	.5929	-1.545

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41740-e-16-a Acquired: 6/28/2012 19:25:14 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.152	.3580	-.1879	.7618	6.269	.0573
Stddev	3.273	1.161	.1288	.0363	1.037	.1600
%RSD	284.2	324.2	68.56	4.763	16.54	279.3
#1	-.3506	.4037	-.0924	.7225	6.819	.2406
#2	-1.100	1.495	-.1369	.7940	5.073	-.0147
#3	4.906	-.8249	-.3345	.7690	6.915	-.0541

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4201	.6727	.2752	32.64
Stddev	.3222	.6833	.4158	8.54
%RSD	76.70	101.6	151.1	26.15
#1	.6376	1.439	.2873	42.46
#2	.5726	.4507	-.1465	26.98
#3	.0499	.1280	.6848	28.49

Check ? Chk Pass 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	2464.3	27891.	4048.8
Stddev	27.9	316.	66.4
%RSD	1.1330	1.1314	1.6412
#1	2491.7	28206.	4119.5
#2	2465.4	27891.	4039.1
#3	2435.9	27575.	3987.7

Sample Name: 460-41499-d-4-a Acquired: 6/28/2012 19:28:59 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-13.50	.0080	-.7683	31.35	-.0328	12040.
Stddev	10.42	2.059	.1492	.09	.2288	45.
%RSD	77.17	25890.	19.43	.2752	697.0	.3751
#1	-16.94	-.7276	-.5983	31.30	.0124	12000.
#2	-21.76	2.334	-.8287	31.31	-.2809	12040.
#3	-1.797	-1.582	-.8778	31.45	.1700	12090.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0426	-.0731	.5205	8.089	6.535	1797.
Stddev	.1043	.2208	.3355	4.526	3.752	36.
%RSD	244.5	301.9	64.46	55.94	57.41	1.987
#1	.0748	-.0392	.1371	13.11	3.105	1789.
#2	-.0739	-.3089	.7603	6.822	5.959	1836.
#3	.1270	.1287	.6641	4.332	10.54	1766.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4409.	77.87	37400.	2.524	1.560	-.5100
Stddev	15.	.16	206.	.358	1.232	2.207
%RSD	.3453	.2078	.5519	14.20	78.96	432.8
#1	4409.	77.68	37210.	2.149	2.914	.8659
#2	4393.	77.94	37380.	2.863	1.260	-3.056
#3	4424.	77.98	37620.	2.561	.5057	.6600

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41499-d-4-a Acquired: 6/28/2012 19:28:59 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.275	.5180	.0205	14.32	38.52	.2008
Stddev	3.808	.1948	.1682	.08	1.63	.0199
%RSD	298.6	37.60	820.6	.5349	4.243	9.928
#1	1.335	.7015	-.1240	14.25	40.37	.2141
#2	5.053	.3137	-.0196	14.32	37.27	.1779
#3	-2.563	.5387	.2051	14.40	37.93	.2104

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3490	101.4	1.484	5992.
Stddev	1.271	.4	1.544	33.
%RSD	364.2	.3784	104.0	.5505
#1	-.0751	101.4	-.1674	6030.
#2	-.6560	100.9	1.728	5970.
#3	1.778	101.7	2.890	5977.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2368.0	26276.	3895.2
Stddev	6.4	102.	37.2
%RSD	.27220	.38997	.95593
#1	2375.3	26394.	3931.1
#2	2363.0	26230.	3897.7
#3	2365.6	26205.	3856.7

Sample Name: 460-41560-d-2-a Acquired: 6/28/2012 19:32:41 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.44	5.082	-.2176	323.6	-.1363	36590.
Stddev	17.68	1.754	.2573	.6	.1475	210.
%RSD	48.50	34.51	118.2	.1813	108.2	.5745
#1	52.57	4.612	-.5061	324.2	-.2881	36820.
#2	39.21	7.022	-.0118	323.7	.0065	36550.
#3	17.54	3.611	-.1349	323.0	-.1274	36400.

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	.5542	71.18	.2275	9.973	6014.	838.3
Stddev	.1110	.10	.4558	3.907	16.	25.4
%RSD	20.03	.1444	200.4	39.18	.2659	3.036
#1	.6539	71.30	.4291	13.87	6022.	845.3
#2	.5742	71.13	-.2943	6.057	6025.	859.6
#3	.4346	71.12	.5477	9.989	5996.	810.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36720.	1552.	246100.	28.96	2.164	-.5556
Stddev	21.	6.	1252.	.09	1.030	2.016
%RSD	.0572	.3579	.5087	.3069	47.60	362.9
#1	36740.	1552.	247500.	28.88	2.558	-2.682
#2	36710.	1558.	245400.	29.06	2.938	1.328
#3	36700.	1547.	245300.	28.94	.9949	-.3128

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41560-d-2-a Acquired: 6/28/2012 19:32:41 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.465	1.250	.0547	24.35	425.6	-.0316
Stddev	4.008	1.959	.5037	.07	1.4	.0915
%RSD	273.7	156.7	920.8	.2931	.3217	289.7
#1	-.0063	-.3754	.5784	24.40	424.7	-.1365
#2	-5.998	.7009	-.4264	24.27	427.2	.0317
#3	1.610	3.426	.0122	24.38	425.0	.0101

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4426	251.6	1.734	6880.
Stddev	.1901	1.1	.881	58.
%RSD	42.95	.4324	50.79	.8446
#1	.2496	252.8	2.227	6832.
#2	.6296	251.3	.7173	6944.
#3	.4487	250.6	2.258	6864.

Check ? Chk Pass 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	2290.4	24911.	3869.5
Stddev	2.5	109.	48.0
%RSD	.10739	.43737	1.2411
#1	2292.4	24850.	3815.1
#2	2287.7	25037.	3906.0
#3	2291.2	24847.	3887.4

Sample Name: 460-41560-d-3-a Acquired: 6/28/2012 19:36:18 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	262.5	35.37	-8971	1090.	-.2006	109100.
Stddev	4.0	4.50	.4474	4.	.1095	211.
%RSD	1.540	12.71	49.87	.3938	54.60	.1932
#1	262.4	35.61	-8907	1093.	-.0805	108900.
#2	266.6	39.74	-1.348	1093.	-.2949	109200.
#3	258.5	30.76	-.4529	1085.	-.2265	109300.

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	.1167	9.017	-.0413	3.872	16370.	3405.
Stddev	.1332	.118	.4077	3.625	31.	60.
%RSD	114.1	1.315	986.2	93.61	.1914	1.770
#1	-.0306	8.938	.4065	4.363	16400.	3360.
#2	.1523	9.153	-.3911	.0269	16380.	3380.
#3	.2286	8.959	-.1394	7.226	16340.	3473.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79650.	6342.	122300.	53.04	3.122	2.385
Stddev	127.	18.	22.	.33	.394	.785
%RSD	.1589	.2797	.0182	.6159	12.61	32.91
#1	79570.	6332.	122300.	53.12	2.996	3.103
#2	79800.	6332.	122300.	53.32	2.807	2.505
#3	79590.	6362.	122300.	52.68	3.564	1.547

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41560-d-3-a Acquired: 6/28/2012 19:36:18 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9176	.2641	2.621	14.70	551.9	49.87
Stddev	.7615	2.659	.107	.20	.6	.16
%RSD	82.98	1007.	4.077	1.343	.1162	.3176
#1	-1.562	2.580	2.582	14.50	551.7	49.93
#2	-.0772	.8524	2.741	14.90	551.4	49.98
#3	-1.114	-2.640	2.538	14.69	552.6	49.69

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6200	528.5	5.711	13980.
Stddev	.8892	1.3	.639	18.
%RSD	143.4	.2368	11.19	.1303
#1	-1.369	527.3	5.063	13980.
#2	-.8534	528.5	6.341	13990.
#3	.3626	529.8	5.730	13950.

Check ? Chk Pass 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	2262.3	24857.	3852.9
Stddev	3.8	46.	12.6
%RSD	.16733	.18319	.32593
#1	2266.2	24835.	3863.4
#2	2262.0	24827.	3856.4
#3	2258.6	24910.	3839.0

Sample Name: 460-41560-d-4-a Acquired: 6/28/2012 19:40:05 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	222.0	43.31	-7978	249.4	-1838	46350.
Stddev	7.9	2.25	.6992	.8	.1600	101.
%RSD	3.547	5.201	87.64	.3350	87.05	.2181

#1	224.1	45.79	-.0590	249.6	-.3398	46240.
#2	228.6	41.39	-1.449	250.1	-.1915	46440.
#3	213.2	42.77	-.8851	248.5	-.0201	46370.

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	.0852	-.1027	.4286	9.938	13460.	1800.
Stddev	.1294	.0339	.1683	3.434	14.	83.
%RSD	151.9	33.05	39.27	34.56	.1069	4.596

#1	.2211	-.0825	.3798	13.67	13460.	1718.
#2	-.0365	-.1419	.6159	6.913	13480.	1800.
#3	.0708	-.0837	.2901	9.229	13450.	1883.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25780.	1297.	149300.	1.046	2.962	-1.909
Stddev	40.	1.	69.	.380	1.288	1.057
%RSD	.1556	.0597	.0465	36.31	43.50	55.37

#1	25730.	1297.	149400.	1.416	3.380	-2.364
#2	25780.	1297.	149300.	1.066	1.516	-.7007
#3	25810.	1298.	149300.	.6568	3.989	-2.662

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41560-d-4-a Acquired: 6/28/2012 19:40:05 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7618	-1.498	2.747	6.274	450.5	8.929
Stddev	.4446	1.073	.405	.323	1.0	.213
%RSD	58.37	71.62	14.74	5.148	.2158	2.384
#1	-5244	-2.653	3.102	6.070	450.6	9.089
#2	-4861	-5310	2.832	6.647	449.4	8.687
#3	-1.275	-1.312	2.306	6.107	451.3	9.010

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1132	227.4	4.929	12720.
Stddev	.1101	.5	.621	27.
%RSD	97.27	.2360	12.61	.2155
#1	.1340	227.4	4.839	12740.
#2	.2115	228.0	5.591	12730.
#3	-.0058	226.9	4.358	12690.

Check ? **Chk Pass** **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	2299.2	25199.	3851.5
Stddev	2.8	136.	11.6
%RSD	.12030	.53840	.30143
#1	2297.9	25167.	3841.6
#2	2302.4	25348.	3864.3
#3	2297.3	25082.	3848.5

Sample Name: 460-41703-g-1-a Acquired: 6/28/2012 19:43:43 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4186.	5.005	-.3747	115.6	.1220	10500.
Stddev	9.	2.938	.5276	.3	.0044	27.
%RSD	.2203	58.69	140.8	.2416	3.634	.2605

#1	4176.	4.144	.2274	115.9	.1271	10520.
#2	4191.	8.278	-.7560	115.3	.1196	10470.
#3	4192.	2.594	-.5956	115.5	.1193	10510.

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	.2184	55.66	3.651	15.94	8296.	1811.
Stddev	.0042	.36	.391	3.85	26.	90.
%RSD	1.910	.6548	10.71	24.16	.3148	4.971

#1	.2223	55.87	3.897	11.94	8290.	1735.
#2	.2189	55.87	3.857	16.26	8324.	1911.
#3	.2140	55.24	3.200	19.63	8273.	1789.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4185.	1947.	77430.	65.68	6.184	.0401
Stddev	9.	2.	34.	.62	.320	1.378
%RSD	.2218	.0796	.0437	.9426	5.168	3433.

#1	4184.	1947.	77460.	66.27	5.943	-1.545
#2	4194.	1949.	77400.	65.03	6.546	.9500
#3	4176.	1946.	77420.	65.73	6.062	.7157

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41703-g-1-a Acquired: 6/28/2012 19:43:43 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.990	1.100	5.326	473.2	70.00	10.59
Stddev	2.709	1.986	.360	1.4	1.01	.12
%RSD	136.2	180.5	6.766	.2914	1.443	1.102
#1	-1.020	2.621	4.923	474.8	70.58	10.68
#2	4.234	-1.146	5.619	472.5	70.59	10.62
#3	2.755	1.825	5.435	472.2	68.84	10.46

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5136	43.74	60.26	15660.
Stddev	.2358	.13	.92	94.
%RSD	45.90	.2993	1.523	.5992
#1	.7839	43.82	60.96	15700.
#2	.4067	43.58	60.60	15550.
#3	.3503	43.81	59.22	15720.

Check ? Chk Pass 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	2375.3	26159.	3944.4
Stddev	6.7	98.	7.9
%RSD	.28154	.37305	.19937
#1	2368.0	26258.	3948.3
#2	2381.2	26063.	3935.4
#3	2376.6	26155.	3949.6

Sample Name: 460-41342-f-2-a Acquired: 6/28/2012 19:47:19 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.35	.6933	-.5726	.0071	-.1939	32.67
Stddev	9.92	2.004	.4567	.0465	.0279	12.27
%RSD	80.28	289.1	79.77	651.1	14.38	37.55
#1	7.699	-1.293	-.1353	-.0229	-.2187	33.36
#2	5.617	.6581	-.5359	.0607	-.1993	44.59
#3	23.74	2.715	-1.046	-.0164	-.1637	20.08

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	.0462	-.0366	.4525	4.366	9.677	130.4
Stddev	.0383	.1444	.2419	1.443	7.038	26.5
%RSD	83.00	394.1	53.45	33.05	72.73	20.36
#1	.0352	.0149	.1841	3.077	13.60	125.3
#2	.0888	-.1997	.5198	4.097	1.551	106.7
#3	.0145	.0749	.6535	5.924	13.88	159.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.179	.2169	198.4	-.2446	.4227	1.796
Stddev	1.752	.1654	29.0	.1635	.6386	3.042
%RSD	41.94	76.24	14.61	66.83	151.1	169.4
#1	4.098	.4060	231.1	-.0558	.8557	2.065
#2	5.970	.1456	175.9	-.3368	-.3107	-1.373
#3	2.468	.0991	188.1	-.3411	.7230	4.694

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41342-f-2-a Acquired: 6/28/2012 19:47:19 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.769	-.0612	-.0457	.5537	4.013	.0771
Stddev	2.220	2.102	.2657	.1312	.396	.2897
%RSD	125.5	3435.	581.5	23.69	9.856	375.8

#1	3.998	-2.488	-.3310	.5243	4.052	.0780
#2	-.4422	1.151	.1946	.4398	4.387	.3663
#3	1.752	1.154	-.0006	.6971	3.599	-.2131

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.138	.0862	.2480	51.73
Stddev	.573	.1143	1.502	12.88
%RSD	50.35	132.7	605.4	24.91

#1	1.263	.0918	1.956	64.99
#2	.5127	.1976	-.8642	39.25
#3	1.638	-.0308	-.3479	50.95

Check ?	Chk Pass	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	2449.9	27287.	3959.6
Stddev	9.1	76.	25.6
%RSD	.37230	.27759	.64644

#1	2460.4	27347.	3975.3
#2	2445.1	27313.	3973.5
#3	2444.1	27202.	3930.1

Sample Name: 460-41554-e-1-a Acquired: 6/28/2012 19:51:04 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4191	-1.305	-.8330	436.1	-.1180	79030.
Stddev	6.181	.614	.7388	1.5	.0911	312.
%RSD	1475.	47.06	88.70	.3349	77.16	.3949
#1	-4.827	-1.007	-1.560	437.7	-.2232	79330.
#2	-1.148	-.8962	-.8553	435.8	-.0650	79070.
#3	7.233	-2.011	-.0832	434.8	-.0659	78700.

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	.5442	2.394	.0182	8.189	33.44	2083.
Stddev	.0253	.362	.0842	4.430	7.53	22.
%RSD	4.652	15.11	463.7	54.10	22.51	1.036
#1	.5692	2.484	.0701	4.033	41.53	2082.
#2	.5186	2.702	-.0790	12.85	32.14	2062.
#3	.5448	1.996	.0634	7.684	26.64	2105.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21730.	1123.	26720.	8.394	.1808	.0255
Stddev	38.	2.	108.	.569	1.706	1.655
%RSD	.1747	.1834	.4028	6.774	943.8	6493.
#1	21760.	1124.	26820.	7.768	-1.155	1.804
#2	21750.	1124.	26720.	8.879	2.103	-.2575
#3	21690.	1120.	26610.	8.534	-.4060	-1.470

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41554-e-1-a Acquired: 6/28/2012 19:51:04 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0777	2.212	.2948	13.19	38.64	1.429
Stddev	.9039	.418	.7058	.14	.58	.384
%RSD	1163.	18.91	239.4	1.055	1.504	26.85
#1	-.3882	2.398	.7275	13.05	38.81	1.868
#2	.9405	2.504	-.5197	13.20	37.99	1.161
#3	-.7854	1.733	.6765	13.33	39.11	1.257

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9654	183.8	3.503	4798.
Stddev	.8699	1.0	.874	34.
%RSD	90.11	.5214	24.94	.7100
#1	1.377	184.7	4.012	4763.
#2	1.553	183.8	2.494	4831.
#3	-.0340	182.8	4.004	4799.

Check ? **Chk Pass** **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	2374.2	26215.	4006.2
Stddev	7.5	112.	25.2
%RSD	.31406	.42723	.62788
#1	2367.3	26086.	3981.1
#2	2373.2	26284.	4006.3
#3	2382.1	26276.	4031.4

Sample Name: CCV Acquired: 6/28/2012 19:54:47 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124300.	2520.	1248.	10180.	975.1	122900.
Stddev	322.	11.	1.	7.	2.7	305.
%RSD	.2595	.4517	.0614	.0642	.2782	.2480

#1	124000.	2530.	1248.	10180.	972.0	122600.
#2	124600.	2508.	1249.	10170.	977.2	123100.
#3	124200.	2523.	1248.	10180.	976.0	123200.

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	1278.	2517.	5088.	12140.	100600.	48170.
Stddev	2.	3.	2.	45.	54.	150.
%RSD	.1528	.1150	.0416	.3742	.0539	.3102

#1	1281.	2519.	5089.	12090.	100600.	48000.
#2	1277.	2514.	5085.	12180.	100600.	48270.
#3	1278.	2519.	5089.	12160.	100700.	48250.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125100.	5071.	122100.	2555.	7660.	1024.
Stddev	54.	8.	287.	4.	11.	2.
%RSD	.0431	.1585	.2348	.1701	.1473	.1555

#1	125100.	5066.	121700.	2560.	7666.	1023.
#2	125000.	5068.	122200.	2552.	7647.	1024.
#3	125100.	5081.	122200.	2554.	7667.	1026.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/28/2012 19:54:47 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2482.	2584.	2498.	2502.	1040.	2542.
Stddev	7.	3.	.	3.	3.	2.
%RSD	.2713	.1249	.0118	.1150	.3040	.0752

#1	2489.	2588.	2498.	2505.	1038.	2543.
#2	2480.	2584.	2498.	2500.	1039.	2540.
#3	2476.	2581.	2499.	2502.	1044.	2543.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1003.	4977.	9994.	10220.
Stddev	2.	10.	31.	64.
%RSD	.2100	.1971	.3109	.6268

#1	1002.	4966.	9980.	10160.
#2	1002.	4985.	10030.	10280.
#3	1006.	4980.	9972.	10230.

Check ?	Chk Pass	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	2264.1	24728.	3894.8
Stddev	5.0	80.	13.8
%RSD	.22271	.32244	.35514

#1	2268.8	24730.	3901.1
#2	2264.6	24807.	3904.4
#3	2258.8	24648.	3879.0

Sample Name: CCB Acquired: 6/28/2012 19:58:07 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.934	-.0341	-.4874	.5645	-.0660	38.55
Stddev	3.871	.8829	.1563	.5439	.0829	18.67
%RSD	55.83	2588.	32.07	96.35	125.6	48.43

#1	3.117	.9575	-.4837	1.178	.0292	60.09
#2	10.86	-.7348	-.3330	.3730	-.1048	28.47
#3	6.828	-.3251	-.6455	.1423	-.1225	27.08

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	.1576	.3316	.8274	4.112	6.037	191.8
Stddev	.1457	.4801	.7009	4.040	2.389	77.6
%RSD	92.45	144.8	84.71	98.25	39.57	40.49

#1	.3136	.5345	1.561	2.982	8.517	193.8
#2	.1339	-.2166	.7558	8.598	5.843	268.3
#3	.0252	.6770	.1650	.7578	3.751	113.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.63	.3295	88.23	.2743	1.643	.2830
Stddev	12.05	.4972	41.02	.2214	1.418	1.600
%RSD	95.41	150.9	46.49	80.73	86.31	565.4

#1	26.50	.8969	131.2	.5250	3.009	-1.202
#2	4.695	.1217	84.03	.1056	1.743	1.977
#3	6.700	-.0301	49.47	.1922	.1777	.0739

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/28/2012 19:58:07 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3125	1.144	.2725	.1581	1.742	3.236
Stddev	1.244	2.087	.5147	.0983	.482	.448
%RSD	398.2	182.4	188.9	62.17	27.69	13.85
#1	1.714	-1.244	.7145	.2710	1.734	3.724
#2	-.6632	2.060	.3956	.1120	1.264	3.138
#3	-.1131	2.618	-.2926	.0914	2.229	2.844

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5696	.5577	2.786	17.05
Stddev	.6603	.6115	.741	19.81
%RSD	115.9	109.6	26.60	116.2
#1	1.131	1.228	3.491	12.01
#2	.7354	.4146	2.855	38.90
#3	-.1578	.0305	2.014	.2513

Check ? Chk Pass 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	2440.0	27207.	3922.3
Stddev	22.5	226.	3.7
%RSD	.92357	.83180	.09358
#1	2427.7	26958.	3918.4
#2	2426.2	27260.	3925.6
#3	2466.0	27401.	3923.0

Sample Name: 460-41625-e-1-a Acquired: 6/28/2012 20:01:54 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-11.54	3.260	-5429	494.2	-.0705	76190.
Stddev	7.14	1.622	.6242	.7	.0401	97.
%RSD	61.89	49.75	115.0	.1419	56.87	.1270
#1	-19.21	2.436	-1.115	493.6	-.0871	76260.
#2	-10.33	5.128	-.6369	495.0	-.0997	76230.
#3	-5.082	2.216	.1230	494.0	-.0248	76080.

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	2.585	.7046	5.568	23.69	2147.
Stddev	.1824	.208	.1959	5.849	2.28	12.
%RSD	32.90	8.028	27.80	105.0	9.634	.5502
#1	.4644	2.526	.7871	5.330	22.24	2157.
#2	.7641	2.816	.4810	-.1578	22.50	2151.
#3	.4343	2.414	.8458	11.53	26.32	2134.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20690.	1382.	25880.	9.765	-.1080	-.4854
Stddev	42.	1.	14.	.107	.9484	1.695
%RSD	.2018	.0666	.0558	1.096	877.9	349.2
#1	20640.	1383.	25870.	9.783	-1.190	1.158
#2	20710.	1381.	25900.	9.650	.2867	-.3854
#3	20720.	1381.	25870.	9.862	.5793	-2.229

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41625-e-1-a Acquired: 6/28/2012 20:01:54 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.172	2.653	-1.948	16.29	40.87	2.320
Stddev	.860	1.603	.2850	.39	.10	.109
%RSD	39.59	60.41	146.3	2.372	.2484	4.700
#1	1.854	1.233	-.1309	16.73	40.89	2.441
#2	1.516	4.391	-.5064	16.13	40.97	2.230
#3	3.146	2.336	.0528	16.00	40.76	2.288

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1449	188.0	2.602	4627.
Stddev	.8969	.5	.779	4.
%RSD	619.2	.2914	29.93	.0833
#1	1.156	187.8	3.375	4627.
#2	-.5546	188.6	1.817	4623.
#3	-.1669	187.6	2.614	4631.

Check ? Chk Pass 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	2382.1	26433.	3986.5
Stddev	4.4	76.	7.3
%RSD	.18646	.28714	.18223
#1	2386.6	26499.	3994.8
#2	2382.1	26350.	3981.4
#3	2377.7	26450.	3983.3

Sample Name: 460-41625-e-2-a Acquired: 6/28/2012 20:05:35 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.408	2.287	-5883	315.2	-.0929	88320.
Stddev	3.243	2.027	.3466	.7	.0086	96.
%RSD	73.57	88.65	58.92	.2214	9.202	.1089

#1	-7.343	4.042	-.9856	315.4	-.0994	88430.
#2	-.9268	2.750	-.3482	315.8	-.0832	88260.
#3	-4.953	.0679	-.4310	314.4	-.0962	88260.

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	.3553	1.160	1.384	2.417	31.56	2030.
Stddev	.0734	.156	.268	1.532	9.24	24.
%RSD	20.66	13.41	19.33	63.37	29.29	1.188

#1	.3978	.9804	1.518	4.183	40.18	2009.
#2	.2705	1.239	1.557	1.621	32.70	2056.
#3	.3975	1.259	1.076	1.447	21.80	2024.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22350.	625.5	28730.	4.599	1.717	-.5778
Stddev	49.	1.0	57.	.098	1.270	1.840
%RSD	.2172	.1576	.1992	2.131	73.99	318.4

#1	22300.	625.5	28770.	4.700	2.960	-.2091
#2	22400.	626.4	28660.	4.593	.4215	-2.574
#3	22360.	624.4	28760.	4.504	1.768	1.050

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41625-e-2-a Acquired: 6/28/2012 20:05:35 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1069	-1.206	.2592	3.113	35.05	1.302
Stddev	1.265	.517	.2996	.184	.63	.355
%RSD	1184.	42.86	115.6	5.906	1.791	27.29

#1	1.320	-.6146	.5045	2.907	34.71	1.112
#2	-.5495	-1.572	-.0747	3.261	35.78	1.082
#3	-1.091	-1.431	.3478	3.171	34.67	1.712

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7457	185.6	2.277	4978.
Stddev	1.093	.3	1.205	25.
%RSD	146.6	.1687	52.92	.5085

#1	1.989	185.7	3.164	5000.
#2	.3143	185.8	2.762	4951.
#3	-.0658	185.2	.9050	4984.

Check ?	Chk Pass	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	2381.1	26350.	3987.4
Stddev	2.4	49.	6.7
%RSD	.10135	.18642	.16699

#1	2378.4	26405.	3980.9
#2	2382.3	26311.	3994.2
#3	2382.7	26334.	3987.3

Sample Name: 460-41657-e-1-b Acquired: 6/28/2012 20:09:15 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1267.	8.746	-4706	34.25	-.1546	94920.
Stddev	22.	2.129	.5532	.04	.0654	206.
%RSD	1.719	24.34	117.5	.1230	42.29	.2175

#1	1277.	10.45	.1535	34.20	-.1380	95110.
#2	1242.	6.361	-.6648	34.28	-.2267	94950.
#3	1282.	9.421	-.9005	34.28	-.0991	94700.

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	.0317	1.315	11.33	76.89	278.8	57340.
Stddev	.0977	.339	.25	1.89	2.4	196.
%RSD	308.1	25.73	2.232	2.463	.8557	.3419

#1	.1386	1.089	11.12	75.12	281.2	57120.
#2	-.0530	1.705	11.25	78.89	276.4	57410.
#3	.0096	1.153	11.61	76.66	279.0	57490.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.73	3.968	F 538800.	36.13	7.715	2.400
Stddev	6.60	.017	3938.	.48	.869	.816
%RSD	19.58	.4213	.7310	1.317	11.27	34.00

#1	28.69	3.951	543300.	36.57	8.085	3.111
#2	41.20	3.970	536300.	36.20	6.722	2.580
#3	31.29	3.984	536800.	35.63	8.338	1.509

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-41657-e-1-b Acquired: 6/28/2012 20:09:15 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.00	-2.643	73.79	5.797	128.3	291.4
Stddev	1.86	1.328	.66	.151	.6	1.7
%RSD	15.47	50.25	.8940	2.603	.4789	.5902
#1	9.858	-3.827	73.81	5.741	128.2	292.6
#2	13.12	-1.207	73.12	5.682	127.8	292.1
#3	13.03	-2.896	74.44	5.968	129.0	289.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9974	856.2	4.541	12880.
Stddev	.9765	.6	1.099	89.
%RSD	97.91	.0702	24.19	.6923
#1	.6855	856.3	3.322	12800.
#2	.2149	856.8	4.846	12860.
#3	2.092	855.6	5.454	12970.

Check ? Chk Pass 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	2299.4	24901.	4055.3
Stddev	14.8	220.	60.0
%RSD	.64173	.88438	1.4798
#1	2282.9	24660.	3992.9
#2	2304.1	24950.	4060.4
#3	2311.3	25093.	4112.6

Sample Name: 460-41712-d-2-a Acquired: 6/28/2012 20:13:04 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.394	.9595	-.6064	.0384	-.0709	55.41
Stddev	4.639	.3735	.3618	.1028	.0176	3.97
%RSD	86.01	38.92	59.65	267.8	24.82	7.162
#1	-.0910	.9024	-.1972	.0957	-.0805	59.12
#2	-8.703	1.358	-.8837	-.0803	-.0815	51.23
#3	-7.389	.6178	-.7384	.0998	-.0506	55.87

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0463	.1243	.2886	1.964	7.770	281.4
Stddev	.1455	.3610	.0642	.176	9.701	43.3
%RSD	314.4	290.3	22.23	8.978	124.9	15.37
#1	.0173	.4750	.2875	1.808	14.41	306.5
#2	.2040	.1442	.2251	1.928	-3.364	306.2
#3	-.0825	-.2462	.3534	2.156	12.27	231.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.018	-.0733	316.2	-.1391	.3714	-1.314
Stddev	4.975	.0727	122.4	.4800	.1227	1.902
%RSD	246.5	99.20	38.71	345.0	33.04	144.7
#1	-1.239	-.1399	451.3	.3925	.4035	.2095
#2	7.744	.0042	284.7	-.5407	.4748	-3.446
#3	-.4513	-.0842	212.6	-.2691	.2358	-.7063

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41712-d-2-a Acquired: 6/28/2012 20:13:04 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.019	.9771	-.1684	.4231	3.105	.3654
Stddev	.962	1.749	.1924	.0833	.503	.1182
%RSD	47.67	179.0	114.2	19.68	16.21	32.36
#1	-.9365	.0517	-.1193	.3286	3.445	.4927
#2	-2.341	-.1151	-.3805	.4858	3.342	.3446
#3	-2.778	2.995	-.0053	.4549	2.527	.2590

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2520	.2274	.8694	47.11
Stddev	1.105	.1076	1.901	6.06
%RSD	438.5	47.32	218.6	12.87
#1	.3577	.2829	2.990	48.88
#2	-.9022	.2959	-.6809	40.36
#3	1.301	.1034	.2990	52.09

Check ? Chk Pass 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	2525.8	28541.	4202.4
Stddev	6.2	151.	12.1
%RSD	.24707	.52828	.28738
#1	2529.6	28380.	4194.5
#2	2529.2	28678.	4216.3
#3	2518.6	28565.	4196.4

Sample Name: 460-41712-e-3-a Acquired: 6/28/2012 20:16:49 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3484.	1.834	-9593	125.7	.0276	168400.
Stddev	18.	2.876	.5863	.2	.1125	208.
%RSD	.5268	156.8	61.11	.1739	407.4	.1234
#1	3504.	3.738	-1.384	125.7	-.0297	168600.
#2	3469.	-1.475	-.2903	125.9	.1572	168400.
#3	3478.	3.239	-1.204	125.5	-.0446	168100.

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	3.047	9.407	11.17	11720.	15650.
Stddev	.0970	.186	.379	3.79	14.	76.
%RSD	279.1	6.106	4.032	33.91	.1229	.4846
#1	-.0119	3.232	9.792	6.841	11720.	15560.
#2	-.0301	3.051	9.034	12.77	11740.	15700.
#3	.1462	2.860	9.396	13.88	11720.	15690.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35660.	277.1	113200.	5.470	1.676	-.0793
Stddev	44.	.3	88.	.132	.993	1.021
%RSD	.1232	.1194	.0780	2.415	59.22	1287.
#1	35620.	276.8	113300.	5.572	1.250	.2923
#2	35710.	277.5	113100.	5.516	.9673	.7040
#3	35660.	277.0	113100.	5.321	2.811	-1.234

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41712-e-3-a Acquired: 6/28/2012 20:16:49 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.220	-.3281	12.42	15.30	65.83	1.572
Stddev	1.449	2.435	.35	.18	1.14	.305
%RSD	118.7	742.2	2.829	1.201	1.731	19.41
#1	.8622	.0325	12.33	15.38	65.75	1.249
#2	2.815	-2.923	12.12	15.44	64.73	1.611
#3	-.0160	1.907	12.81	15.09	67.01	1.855

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1431	739.0	130.9	9184.
Stddev	.4573	.7	2.5	42.
%RSD	319.5	.0887	1.902	.4596
#1	.5886	738.3	130.2	9140.
#2	-.3250	739.3	133.7	9225.
#3	.1658	739.5	128.9	9186.

Check ? Chk Pass 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	2379.0	26205.	4127.3
Stddev	6.9	187.	21.4
%RSD	.29084	.71525	.51958
#1	2373.8	26058.	4102.6
#2	2376.3	26141.	4137.6
#3	2386.8	26416.	4141.6

Sample Name: 460-41712-e-4-a Acquired: 6/28/2012 20:20:27 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128.3	.6302	-.9845	9.377	-.2016	119600.
Stddev	17.7	.9533	.5791	.071	.1569	289.
%RSD	13.82	151.3	58.83	.7603	77.83	.2420
#1	148.6	1.714	-1.115	9.372	-.3818	119800.
#2	115.7	-.0789	-1.487	9.450	-.0957	119600.
#3	120.7	.2555	-.3512	9.308	-.1272	119300.

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	.1511	-.0413	2.346	6.829	731.5	4879.
Stddev	.0889	.1569	.371	3.067	3.2	69.
%RSD	58.83	379.7	15.81	44.90	.4354	1.416
#1	.2284	-.1383	2.180	3.570	728.0	4864.
#2	.0540	-.1253	2.770	7.260	732.1	4954.
#3	.1708	.1397	2.086	9.658	734.3	4818.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3621.	224.0	32300.	2.902	.7372	1.270
Stddev	11.	.5	67.	.355	.8156	1.429
%RSD	.2965	.2135	.2078	12.23	110.6	112.5
#1	3616.	223.7	32360.	2.940	-.0014	.8597
#2	3633.	223.7	32310.	3.237	.6004	.0907
#3	3614.	224.6	32230.	2.530	1.612	2.859

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41712-e-4-a Acquired: 6/28/2012 20:20:27 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.103	-.5745	.7217	2.711	53.58	.0364
Stddev	1.192	1.702	.0700	.060	.69	.1127
%RSD	108.1	296.2	9.700	2.212	1.289	309.4
#1	-1.118	-1.014	.7652	2.780	54.08	.1643
#2	.0964	-2.014	.7588	2.670	53.88	-.0481
#3	-2.287	1.304	.6409	2.682	52.79	-.0069

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6795	433.5	7.013	11510.
Stddev	.6420	1.3	1.045	39.
%RSD	94.48	.2973	14.90	.3359
#1	1.228	434.7	5.909	11560.
#2	.8375	433.8	7.144	11480.
#3	-.0267	432.2	7.987	11510.

Check ? Chk Pass 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	2418.3	26953.	4170.9
Stddev	1.2	96.	4.6
%RSD	.05096	.35439	.11141
#1	2416.9	26897.	4170.1
#2	2418.9	26900.	4175.9
#3	2419.1	27064.	4166.7

Sample Name: 460-41712-e-5-a Acquired: 6/28/2012 20:24:09 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	212.1	.8802	-.5849	136.0	-.1169	142900.
Stddev	1.4	1.674	.4257	.6	.1368	488.
%RSD	.6518	190.2	72.79	.4698	117.1	.3413
#1	213.6	2.807	-.1737	135.2	-.2456	142400.
#2	211.9	-.2184	-1.024	136.4	.0268	143400.
#3	210.9	.0517	-.5572	136.2	-.1320	142900.

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	.3286	1.662	-.1113	10.22	2282.	28830.
Stddev	.0416	.294	.3434	2.63	15.	77.
%RSD	12.65	17.69	308.6	25.74	.6650	.2674
#1	.3165	1.544	-.2870	7.561	2268.	28760.
#2	.3748	1.997	.2844	10.29	2280.	28830.
#3	.2943	1.446	-.3313	12.82	2298.	28910.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34480.	251.9	22500.	4.956	.2800	.4928
Stddev	112.	.4	43.	.101	.6090	.8334
%RSD	.3239	.1479	.1902	2.034	217.5	169.1
#1	34390.	251.5	22460.	4.986	-.3377	.3714
#2	34450.	252.1	22540.	4.843	.2977	1.380
#3	34600.	252.2	22500.	5.037	.8799	-.2732

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41712-e-5-a Acquired: 6/28/2012 20:24:09 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.221	.0041	.9390	192.3	130.5	5.660
Stddev	2.861	2.217	.1845	.6	.9	.425
%RSD	88.84	53540.	19.65	.3196	.6863	7.505
#1	4.634	-.6536	1.107	191.8	129.6	5.533
#2	5.100	-1.810	.9678	193.0	130.5	6.134
#3	-.0721	2.476	.7417	192.3	131.4	5.313

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8434	802.2	10.34	5980.
Stddev	.9229	3.2	.28	103.
%RSD	109.4	.3950	2.725	1.723
#1	-1.056	798.6	10.02	5916.
#2	-1.642	804.2	10.55	5926.
#3	.1672	803.9	10.45	6099.

Check ? Chk Pass 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	2409.2	26691.	4189.0
Stddev	5.4	101.	48.5
%RSD	.22428	.37690	1.1582
#1	2403.4	26629.	4153.1
#2	2414.1	26637.	4169.8
#3	2410.1	26807.	4244.2

Sample Name: 460-41778-b-1-c du@4 Acquired: 6/28/2012 20:27:46 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52620.	14.48	-1.092	185.7	1.793	7402.
Stddev	48.	1.05	.325	.3	.053	31.
%RSD	.0906	7.270	29.80	.1392	2.964	.4179

#1	52670.	14.70	-1.292	185.5	1.855	7409.
#2	52570.	13.33	-.7163	186.0	1.760	7429.
#3	52610.	15.40	-1.267	185.6	1.765	7369.

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	.3825	27.13	88.68	32.79	95900.	2279.
Stddev	.0356	.24	.46	2.56	135.	74.
%RSD	9.298	.8854	.5215	7.793	.1403	3.251

#1	.3414	27.21	88.98	35.38	95870.	2362.
#2	.4029	26.85	88.92	30.27	96050.	2219.
#3	.4031	27.31	88.15	32.71	95780.	2255.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5934.	804.2	113.6	55.99	57.30	-3.463
Stddev	19.	1.4	28.7	.56	.61	1.280
%RSD	.3158	.1755	25.27	1.009	1.067	36.98

#1	5913.	802.6	142.8	55.76	57.07	-2.178
#2	5941.	805.1	112.6	56.64	56.84	-3.472
#3	5949.	805.0	85.40	55.59	57.99	-4.739

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41778-b-1-c du@4 Acquired: 6/28/2012 20:27:46 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3045	-.1982	128.5	95.84	5.501	.7015
Stddev	3.143	2.998	.5	.22	.382	.2463
%RSD	1032.	1512.	.3747	.2283	6.948	35.11
#1	-3.247	-3.645	128.6	96.04	5.776	.4478
#2	1.432	1.802	128.0	95.85	5.661	.9397
#3	2.729	1.248	128.9	95.61	5.064	.7170

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.280	35.79	961.6	1536.
Stddev	.912	.14	3.6	16.
%RSD	27.81	.3791	.3706	1.017
#1	4.220	35.88	965.7	1518.
#2	3.221	35.85	960.2	1544.
#3	2.398	35.63	959.0	1546.

Check ? Chk Pass 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	2621.9	29144.	4446.1
Stddev	1.1	106.	25.9
%RSD	.04354	.36362	.58334
#1	2621.0	29241.	4417.0
#2	2621.6	29031.	4454.5
#3	2623.2	29161.	4466.8

Sample Name: 460-41778-b-1-b@4 Acquired: 6/28/2012 20:31:22 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49170.	13.13	-8569	183.0	1.874	3381.
Stddev	95.	1.68	.3976	.4	.032	24.
%RSD	.1941	12.83	46.40	.1929	1.680	.7052

#1	49060.	14.34	-4009	182.6	1.840	3366.
#2	49240.	13.84	-1.131	183.2	1.902	3408.
#3	49220.	11.20	-1.039	183.2	1.881	3368.

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	.3362	25.08	113.1	43.72	96640.	2220.
Stddev	.0869	.26	.6	3.74	40.	62.
%RSD	25.84	1.035	.5222	8.558	.0414	2.804

#1	.2429	25.38	112.6	46.70	96650.	2238.
#2	.4148	24.95	112.8	39.52	96670.	2272.
#3	.3507	24.91	113.7	44.95	96590.	2151.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5021.	736.9	65.32	37.71	50.19	-2.636
Stddev	1.	1.5	1.30	.50	1.63	1.217
%RSD	.0172	.2057	1.985	1.318	3.246	46.19

#1	5020.	735.6	66.09	37.81	48.96	-3.886
#2	5021.	738.6	66.04	38.14	49.56	-1.454
#3	5022.	736.6	63.82	37.17	52.03	-2.567

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41778-b-1-b@4 Acquired: 6/28/2012 20:31:22 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6172	.0775	131.8	91.98	3.743	.8847
Stddev	2.536	.5788	.4	.26	.749	.1699
%RSD	410.8	746.5	.3189	.2782	20.02	19.20
#1	3.467	.6652	132.2	92.08	3.978	.7203
#2	-.2246	.0595	131.4	92.17	4.348	1.060
#3	-1.390	-.4920	131.8	91.69	2.905	.8741

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.095	32.56	905.3	1431.
Stddev	.260	.05	5.5	26.
%RSD	6.355	.1408	.6031	1.829
#1	3.907	32.57	899.3	1421.
#2	3.987	32.52	906.7	1460.
#3	4.392	32.61	910.0	1411.

Check ?	Chk Pass	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	2647.5	29374.	4485.3
Stddev	4.9	57.	3.9
%RSD	.18423	.19550	.08762
#1	2643.8	29329.	4482.9
#2	2645.6	29354.	4489.9
#3	2653.0	29439.	4483.2

Sample Name: lcssrm 460-117772/2- Acquired: 6/28/2012 20:35:00 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30550.	1164.	232.6	1259.	458.7	33180.
Stddev	38.	5.	.4	3.	1.0	76.
%RSD	.1246	.4175	.1819	.2086	.2123	.2278

#1	30580.	1164.	232.8	1261.	457.7	33100.
#2	30560.	1169.	232.1	1260.	459.6	33180.
#3	30510.	1160.	232.8	1256.	458.7	33250.

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	980.2	941.1	646.2	605.2	57910.	11110.
Stddev	1.9	3.7	1.5	3.2	54.	5.
%RSD	.1978	.3968	.2372	.5352	.0928	.0438

#1	981.6	943.6	644.6	607.5	57910.	11110.
#2	980.9	942.9	647.6	601.5	57970.	11110.
#3	978.0	936.8	646.5	606.6	57860.	11100.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12710.	1688.	2551.	624.2	538.9	913.2
Stddev	20.	1.	21.	1.2	1.2	3.3
%RSD	.1554	.0584	.8116	.1979	.2310	.3567

#1	12730.	1687.	2573.	625.0	539.6	914.5
#2	12690.	1688.	2547.	624.7	539.6	915.5
#3	12710.	1689.	2532.	622.8	537.4	909.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-117772/2- Acquired: 6/28/2012 20:35:00 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	539.6	866.0	583.4	897.2	585.8	492.0
Stddev	3.4	2.7	1.6	2.9	.7	1.2
%RSD	.6374	.3160	.2663	.3215	.1114	.2445
#1	538.0	869.2	582.3	898.1	586.1	493.3
#2	543.6	864.7	582.7	899.6	586.3	491.6
#3	537.3	864.2	585.2	894.0	585.1	490.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	561.7	629.8	965.4	2326.
Stddev	2.1	.5	3.6	28.
%RSD	.3747	.0773	.3743	1.201
#1	560.0	629.2	969.2	2356.
#2	560.9	630.1	965.0	2321.
#3	564.0	630.1	962.0	2300.

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2608.8	28943.	4410.8
Stddev	3.0	75.	5.3
%RSD	.11481	.25914	.12052
#1	2608.0	28950.	4404.7
#2	2606.4	29015.	4414.6
#3	2612.2	28865.	4413.1

Sample Name: CCV Acquired: 6/28/2012 20:38:26 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124800.	2541.	1259.	10220.	986.7	123700.
Stddev	217.	2.	1.	13.	1.5	225.
%RSD	.1739	.0928	.1189	.1298	.1490	.1820

#1	124600.	2540.	1258.	10220.	985.7	123500.
#2	125000.	2539.	1257.	10200.	988.4	124000.
#3	124700.	2543.	1260.	10230.	986.0	123800.

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	1281.	2531.	5098.	12270.	101000.	48550.
Stddev	1.	4.	5.	34.	114.	211.
%RSD	.1030	.1488	.0934	.2749	.1124	.4349

#1	1282.	2531.	5093.	12230.	100900.	48320.
#2	1280.	2527.	5103.	12300.	101000.	48730.
#3	1282.	2535.	5099.	12280.	101100.	48610.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125000.	5103.	122700.	2568.	7669.	1035.
Stddev	74.	6.	274.	2.	11.	4.
%RSD	.0588	.1143	.2237	.0790	.1415	.3984

#1	124900.	5097.	122500.	2569.	7676.	1037.
#2	125000.	5103.	123000.	2566.	7657.	1030.
#3	125000.	5109.	122600.	2570.	7675.	1038.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/28/2012 20:38:26 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2507.	2597.	2512.	2501.	1053.	2555.
Stddev	5.	10.	3.	5.	2.	4.
%RSD	.2048	.3913	.1138	.1901	.1787	.1449

#1	2513.	2589.	2512.	2503.	1053.	2556.
#2	2506.	2609.	2509.	2495.	1051.	2551.
#3	2503.	2595.	2515.	2503.	1055.	2558.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1007.	5034.	10040.	10460.
Stddev	2.	6.	20.	83.
%RSD	.1855	.1193	.1976	.7961

#1	1006.	5029.	10030.	10430.
#2	1006.	5041.	10070.	10400.
#3	1009.	5032.	10040.	10560.

Check ?	Chk Pass	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	25688.	4111.2
Stddev	4.1	102.	16.2
%RSD	.17555	.39833	.39439

#1	2339.1	25804.	4116.6
#2	2341.6	25612.	4092.9
#3	2333.6	25647.	4124.0

Sample Name: CCB Acquired: 6/28/2012 20:41:45 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.17	1.333	-.7981	.5931	.0615	47.56
Stddev	28.29	1.173	.4015	.2661	.1212	23.71
%RSD	104.1	87.98	50.31	44.86	197.0	49.84

#1	46.68	.1870	-.3662	.8870	.0743	74.90
#2	40.11	1.281	-1.160	.5237	-.0656	32.65
#3	-5.271	2.530	-.8682	.3686	.1758	35.14

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	.1177	.1107	.5377	3.762	8.998	239.2
Stddev	.1075	.2221	.6348	.772	16.74	78.4
%RSD	91.41	200.7	118.1	20.53	186.0	32.76

#1	.1087	.2511	1.154	3.047	28.32	329.7
#2	.2294	.2263	.5735	3.657	-.2490	196.4
#3	.0149	-.1454	-.1143	4.581	-1.076	191.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.58	.3054	62.37	.2049	1.429	-.0057
Stddev	9.14	.3152	39.03	.4042	1.073	1.564
%RSD	55.11	103.2	62.59	197.2	75.10	27620.

#1	27.12	.6654	107.3	.6603	2.587	-.8059
#2	10.94	.1723	43.10	-.1113	1.235	1.796
#3	11.68	.0786	36.72	.0658	.4663	-1.007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/28/2012 20:41:45 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6064	.1363	.2606	.1080	1.829	3.200
Stddev	1.927	.8031	.1476	.0465	.552	.283
%RSD	317.8	589.2	56.65	43.03	30.19	8.839
#1	2.760	.8692	.3430	.1613	2.013	3.496
#2	-.9567	-.7222	.3486	.0865	2.265	3.172
#3	.0161	.2619	.0901	.0762	1.208	2.933

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3384	.6424	2.363	22.55
Stddev	.9540	.3896	.887	6.16
%RSD	281.9	60.64	37.54	27.30
#1	1.055	1.086	3.347	28.93
#2	.7041	.4878	1.625	22.08
#3	-.7444	.3539	2.117	16.64

Check ? Chk Pass 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	2523.1	28244.	4192.6
Stddev	6.9	61.	30.3
%RSD	.27394	.21669	.72368
#1	2515.3	28311.	4181.8
#2	2528.4	28190.	4169.1
#3	2525.7	28233.	4226.9

Sample Name: mb 460-117772/1-a@@2 Acquired: 6/28/2012 20:45:32 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.76	.4942	-.3678	.0566	-.0542	59.55
Stddev	20.09	1.243	.7072	.1345	.1703	18.26
%RSD	101.7	251.5	192.3	237.8	314.3	30.66

#1	22.41	-.0414	.4247	-.0926	.0925	80.63
#2	-1.528	-.3913	-.5938	.1687	-.0141	49.10
#3	38.40	1.915	-.9344	.0936	-.2409	48.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0126	.1362	.0540	8.623	5.926	153.2
Stddev	.0379	.2966	.1929	4.387	4.630	65.0
%RSD	301.7	217.8	356.9	50.88	78.14	42.42

#1	-.0156	-.0895	.1360	8.162	9.182	210.9
#2	.0557	.0259	.1924	13.22	.6249	165.8
#3	-.0023	.4722	-.1663	4.485	7.970	82.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.511	-.0216	38.25	.1412	.3294	2.784
Stddev	2.221	.0773	6.49	.3067	1.027	1.380
%RSD	147.0	357.2	16.97	217.3	311.6	49.57

#1	.1279	-.0205	30.92	.4587	-.7852	2.886
#2	.3312	.0550	43.27	-.1535	.5375	4.111
#3	4.073	-.0995	40.55	.1183	1.236	1.356

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-117772/1-a@2 Acquired: 6/28/2012 20:45:32 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.238	-.5762	-.1235	.1062	3.855	1.063
Stddev	2.208	.4590	.1750	.1237	1.405	.090
%RSD	68.20	79.65	141.7	116.4	36.45	8.491
#1	5.786	-.1026	-.3208	.0721	5.457	.9741
#2	2.047	-.6071	.0129	.0032	3.273	1.155
#3	1.881	-1.019	-.0627	.2434	2.834	1.059

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.048	.2018	1.082	23.85
Stddev	.608	.1507	.714	11.70
%RSD	58.07	74.66	65.99	49.08
#1	1.619	.1621	.2853	14.66
#2	1.115	.0749	1.664	37.02
#3	.4083	.3683	1.297	19.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2435.8	27684.	4093.4
Stddev	34.2	111.	19.0
%RSD	1.4042	.40151	.46445
#1	2396.4	27647.	4114.4
#2	2456.1	27596.	4077.3
#3	2455.1	27809.	4088.6

Sample Name: sd 460-41778-b-1-b@2 Acquired: 6/28/2012 20:49:17 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10090.	5.535	-1.105	36.70	.2195	723.3
Stddev	35.	1.314	.369	.18	.0811	11.7
%RSD	.3452	23.75	33.40	.4919	36.94	1.611

#1	10060.	4.155	-6888	36.85	.3004	735.5
#2	10090.	6.772	-1.235	36.76	.2199	712.3
#3	10130.	5.680	-1.392	36.50	.1382	722.1

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	.1712	5.127	22.51	10.76	19730.	540.7
Stddev	.0934	.325	.44	4.58	85.	29.2
%RSD	54.54	6.338	1.951	42.51	.4305	5.407

#1	.0885	5.025	22.24	16.02	19790.	532.3
#2	.1527	5.491	23.01	8.615	19770.	516.6
#3	.2724	4.866	22.26	7.656	19640.	573.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1029.	151.9	27.71	7.512	12.38	-.7220
Stddev	10.	.5	6.33	.387	1.01	1.588
%RSD	1.019	.3520	22.86	5.157	8.188	219.9

#1	1041.	151.5	32.73	7.680	12.33	-1.994
#2	1026.	152.5	20.59	7.069	13.41	-1.230
#3	1020.	151.6	29.80	7.786	11.39	1.057

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-41778-b-1-b@2 Acquired: 6/28/2012 20:49:17 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3004	-.1703	26.41	19.06	1.555	.3043
Stddev	.9230	1.160	.31	.23	.668	.2892
%RSD	307.2	681.4	1.182	1.196	42.97	95.04
#1	.5563	1.156	26.77	19.04	1.830	.5239
#2	1.068	-.9969	26.17	19.29	.7931	.4123
#3	-.7235	-.6700	26.31	18.84	2.041	-.0234

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.277	6.801	180.8	287.5
Stddev	.700	.164	1.4	20.3
%RSD	54.79	2.411	.7809	7.042
#1	1.939	6.921	181.9	304.2
#2	.5449	6.614	179.2	265.0
#3	1.347	6.868	181.4	293.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2563.7	28476.	4202.7
Stddev	5.5	86.	36.3
%RSD	.21431	.30138	.86443
#1	2564.0	28530.	4237.7
#2	2558.0	28377.	4205.1
#3	2569.0	28522.	4165.2

Sample Name: 460-41778-b-1-d ms@4 Acquired: 6/28/2012 20:52:57 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75290.	930.7	22.53	1208.	26.33	15100.
Stddev	277.	3.6	.74	1.	.36	65.
%RSD	.3680	.3905	3.268	.0906	1.383	.4291

#1	75030.	927.6	21.69	1209.	26.06	15080.
#2	75580.	929.8	23.06	1209.	26.74	15170.
#3	75250.	934.7	22.85	1207.	26.18	15040.

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	24.90	278.6	190.1	162.9	105600.	12030.
Stddev	.05	.6	.3	4.3	160.	74.
%RSD	.2172	.2149	.1376	2.659	.1515	.6121

#1	24.92	279.0	189.8	165.4	105500.	12020.
#2	24.94	278.8	190.2	165.4	105800.	12110.
#3	24.84	277.9	190.2	157.9	105500.	11960.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15470.	1205.	9443.	296.3	308.1	143.8
Stddev	63.	5.	44.	.8	1.1	1.5
%RSD	.4061	.3807	.4623	.2665	.3677	1.050

#1	15400.	1207.	9432.	296.7	306.9	144.0
#2	15500.	1208.	9491.	296.7	308.2	142.2
#3	15510.	1200.	9406.	295.3	309.1	145.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41778-b-1-d ms@4 Acquired: 6/28/2012 20:52:57 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	907.8	1027.	389.4	352.5	232.1	233.9
Stddev	2.2	1.	1.2	1.0	.2	.5
%RSD	.2402	.1013	.3155	.2738	.0934	.2291

#1	906.9	1027.	389.1	352.8	232.0	234.2
#2	910.3	1025.	390.8	353.3	231.9	234.3
#3	906.3	1027.	388.4	351.4	232.3	233.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	239.3	277.0	1443.	2546.
Stddev	.2	1.1	5.	25.
%RSD	.0980	.3935	.3333	.9720

#1	239.5	277.3	1437.	2557.
#2	239.4	277.9	1444.	2564.
#3	239.0	275.8	1447.	2518.

Check ?	Chk Pass	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	2582.7	28349.	4324.3
Stddev	8.6	53.	12.1
%RSD	.33234	.18842	.27923

#1	2573.1	28398.	4311.9
#2	2585.6	28355.	4325.0
#3	2589.5	28292.	4336.0

Sample Name: pds 460-41778-b-1-b@ Acquired: 6/28/2012 20:56:25 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51340.	1847.	45.48	2135.	49.03	22560.
Stddev	213.	4.	.56	7.	.44	101.
%RSD	.4148	.2355	1.223	.3496	.9015	.4460

#1	51490.	1842.	44.87	2137.	49.27	22650.
#2	51430.	1851.	45.61	2141.	49.31	22570.
#3	51100.	1848.	45.96	2126.	48.52	22450.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.91	514.0	308.2	277.7	97780.	20070.
Stddev	.09	.9	.8	1.2	221.	93.
%RSD	.1877	.1671	.2626	.4357	.2258	.4654

#1	48.94	514.4	307.9	276.5	97760.	20130.
#2	48.81	514.5	309.1	277.6	98010.	19960.
#3	48.99	513.0	307.5	279.0	97570.	20110.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23300.	1238.	18440.	532.4	545.7	447.2
Stddev	22.	1.	60.	.7	1.7	4.8
%RSD	.0955	.0953	.3272	.1274	.3127	1.068

#1	23300.	1238.	18450.	532.8	547.3	448.4
#2	23330.	1238.	18490.	532.7	545.9	451.2
#3	23280.	1236.	18370.	531.6	543.9	441.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-41778-b-1-b@ Acquired: 6/28/2012 20:56:25 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1824.	2024.	607.2	566.9	483.7	477.1
Stddev	4.	5.	2.2	.6	2.3	.8
%RSD	.2433	.2633	.3597	.1041	.4854	.1750
#1	1819.	2024.	605.8	567.3	484.3	477.5
#2	1828.	2029.	609.7	567.3	485.7	477.6
#3	1826.	2018.	606.1	566.3	481.1	476.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	483.8	499.3	1385.	1492.
Stddev	1.9	2.3	5.	6.
%RSD	.3888	.4692	.3921	.4303
#1	483.9	501.8	1391.	1485.
#2	485.6	499.0	1382.	1497.
#3	481.9	497.1	1382.	1493.

Check ? Chk Pass 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	28227.	4307.5
Stddev	3.8	44.	32.2
%RSD	.14651	.15543	.74772
#1	2558.8	28185.	4275.7
#2	2563.8	28224.	4306.6
#3	2566.1	28272.	4340.1

Sample Name: 460-41778-b-7-a@4 Acquired: 6/28/2012 20:59:49 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47940.	12.16	-9167	185.0	1.643	2362.
Stddev	138.	.89	.5842	.5	.156	14.
%RSD	.2870	7.354	63.72	.2863	9.505	.5862
#1	48100.	11.43	-1.140	185.6	1.700	2366.
#2	47890.	11.89	-1.356	185.0	1.763	2346.
#3	47840.	13.16	-.2538	184.5	1.467	2373.

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	.3830	21.48	68.71	28.77	80000.	2076.
Stddev	.0909	.18	1.20	1.24	177.	51.
%RSD	23.74	.8488	1.746	4.295	.2215	2.479
#1	.4294	21.40	69.56	28.29	80020.	2027.
#2	.4414	21.69	69.24	30.18	80160.	2070.
#3	.2782	21.35	67.34	27.86	79810.	2130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3738.	906.0	42.43	29.64	43.98	2.368
Stddev	9.	2.0	1.41	.73	.39	1.565
%RSD	.2331	.2154	3.318	2.450	.8794	66.10
#1	3742.	906.8	41.63	30.44	43.83	3.635
#2	3745.	907.5	44.05	29.46	43.69	.6184
#3	3728.	903.8	41.61	29.02	44.42	2.849

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41778-b-7-a@4 Acquired: 6/28/2012 20:59:49 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.464	-.7283	108.4	75.21	4.984	1.360
Stddev	2.201	1.868	.6	.34	.729	.237
%RSD	63.54	256.5	.5868	.4521	14.63	17.40
#1	5.025	1.164	109.1	75.17	5.540	1.226
#2	.9465	-2.570	107.9	75.57	4.159	1.633
#3	4.419	-.7790	108.1	74.90	5.255	1.220

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.210	29.18	870.0	1261.
Stddev	.593	.11	1.2	6.
%RSD	18.47	.3675	.1338	.5115
#1	3.759	29.30	870.4	1254.
#2	3.290	29.10	870.9	1265.
#3	2.581	29.15	868.7	1265.

Check ? Chk Pass 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	2640.7	29168.	4395.0
Stddev	1.4	60.	23.6
%RSD	.05315	.20415	.53661
#1	2639.7	29132.	4374.9
#2	2640.2	29135.	4421.0
#3	2642.3	29236.	4389.3

Sample Name: 460-41502-a-44-a@4 Acquired: 6/28/2012 21:03:27 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44790.	20.99	-1.191	171.0	1.105	3294.
Stddev	98.	1.42	.258	.7	.122	16.
%RSD	.2198	6.790	21.63	.4085	11.00	.4919

#1	44680.	19.92	-1.208	171.8	.9675	3297.
#2	44860.	22.61	-.9256	170.9	1.197	3276.
#3	44820.	20.43	-1.440	170.4	1.151	3308.

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	1.507	16.99	102.8	80.03	58640.	785.9
Stddev	.174	.05	.4	6.15	232.	43.3
%RSD	11.53	.2721	.3586	7.686	.3955	5.511

#1	1.601	16.98	103.0	84.77	58840.	822.0
#2	1.613	17.04	103.1	82.24	58700.	737.8
#3	1.306	16.94	102.4	73.08	58380.	797.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6578.	589.3	89.53	45.65	109.9	3.555
Stddev	9.	1.2	7.10	.70	1.2	.628
%RSD	.1410	.1966	7.931	1.539	1.115	17.65

#1	6579.	590.4	84.53	46.34	108.5	4.279
#2	6586.	589.4	97.66	45.68	110.5	3.208
#3	6568.	588.1	86.40	44.93	110.7	3.177

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41502-a-44-a@4 Acquired: 6/28/2012 21:03:27 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.615	.5640	123.3	1052.	8.581	-.0527
Stddev	1.977	1.988	1.2	4.	1.030	.2002
%RSD	122.4	352.6	.9382	.4002	12.00	379.9
#1	1.419	2.851	124.6	1057.	9.659	.0863
#2	-.2573	-.4018	122.7	1051.	7.607	.0377
#3	3.682	-.7570	122.6	1049.	8.477	-.2821

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.914	23.85	1020.	1552.
Stddev	.314	.16	2.	13.
%RSD	6.394	.6816	.2111	.8381
#1	5.264	23.98	1020.	1546.
#2	4.656	23.91	1022.	1567.
#3	4.821	23.67	1017.	1543.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2584.4	28479.	4293.4
Stddev	10.0	124.	31.1
%RSD	.38802	.43439	.72322
#1	2572.8	28391.	4326.2
#2	2590.1	28425.	4289.4
#3	2590.2	28620.	4264.5

Sample Name: 460-41502-a-46-a@4 Acquired: 6/28/2012 21:07:04 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30530.	17.38	.0862	162.0	.7900	10070.
Stddev	138.	.49	.4596	.2	.1282	62.
%RSD	.4523	2.794	533.2	.1078	16.23	.6110

#1	30400.	17.90	-.2291	162.0	.7205	10030.
#2	30670.	17.28	-.1259	162.2	.7115	10050.
#3	30530.	16.94	.6136	161.9	.9380	10140.

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	2.429	39.78	129.3	160.5	66480.	1612.
Stddev	.048	.25	.7	1.0	269.	105.
%RSD	1.977	.6294	.5785	.6158	.4047	6.486

#1	2.456	39.86	130.0	161.5	66730.	1723.
#2	2.458	39.97	129.3	160.5	66520.	1600.
#3	2.374	39.49	128.5	159.6	66200.	1515.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9791.	2192.	103.6	51.58	360.3	-1.411
Stddev	53.	5.	.5	.85	2.2	1.593
%RSD	.5380	.2248	.4694	1.642	.6167	112.9

#1	9845.	2197.	103.7	52.38	358.6	-3.248
#2	9790.	2191.	103.9	51.66	362.8	-.5923
#3	9739.	2188.	103.0	50.69	359.6	-.3943

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41502-a-46-a@4 Acquired: 6/28/2012 21:07:04 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.532	1.328	193.8	811.6	11.09	.2395
Stddev	3.114	3.576	.6	1.4	.76	.2282
%RSD	203.3	269.3	.3175	.1757	6.869	95.28
#1	3.311	5.453	194.4	812.5	10.97	-.0123
#2	3.349	-.8893	193.7	812.3	10.40	.2981
#3	-2.064	-.5803	193.2	809.9	11.91	.4327

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	11.54	36.42	1825.	1020.
Stddev	.84	.18	3.	13.
%RSD	7.260	.4817	.1753	1.266
#1	11.57	36.22	1824.	1035.
#2	12.36	36.57	1829.	1011.
#3	10.69	36.46	1823.	1015.

Check ?	Chk Pass	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	2575.7	28540.	4275.3
Stddev	4.8	56.	18.9
%RSD	.18571	.19726	.44243
#1	2575.4	28478.	4296.9
#2	2580.7	28555.	4261.5
#3	2571.1	28587.	4267.5

Sample Name: 460-41502-a-52-a@4 Acquired: 6/28/2012 21:10:38 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51130.	23.78	.3131	257.9	1.081	10630.
Stddev	110.	1.68	.4258	.7	.086	26.
%RSD	.2159	7.080	136.0	.2811	7.922	.2406

#1	51000.	22.32	.6949	257.6	.9926	10610.
#2	51180.	25.62	.3905	258.7	1.086	10610.
#3	51210.	23.40	-.1462	257.4	1.164	10660.

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	2.755	68.50	186.1	241.6	96960.	1383.
Stddev	.106	.22	.8	1.4	109.	13.
%RSD	3.855	.3280	.4479	.5959	.1124	.9129

#1	2.685	68.76	185.6	242.1	96890.	1379.
#2	2.877	68.39	187.0	242.8	97090.	1373.
#3	2.703	68.37	185.6	240.0	96910.	1397.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22360.	3982.	111.2	82.78	802.9	1.315
Stddev	49.	6.	3.0	.40	1.9	2.366
%RSD	.2188	.1583	2.712	.4816	.2326	179.9

#1	22320.	3976.	114.4	82.72	804.5	-.9480
#2	22420.	3989.	110.7	83.20	800.8	3.771
#3	22340.	3982.	108.4	82.41	803.4	1.122

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41502-a-52-a@4 Acquired: 6/28/2012 21:10:38 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.063	-.1383	252.4	849.4	12.82	.7891
Stddev	.365	.5755	.4	1.0	1.23	.1852
%RSD	8.995	416.1	.1529	.1233	9.556	23.47
#1	3.642	-.7987	251.9	850.4	12.50	.9301
#2	4.296	.2557	252.5	848.3	14.18	.8579
#3	4.251	.1281	252.7	849.7	11.79	.5794

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	11.70	36.16	2270.	1231.
Stddev	.34	.02	4.	27.
%RSD	2.937	.0455	.1543	2.207
#1	12.05	36.17	2267.	1251.
#2	11.68	36.14	2274.	1243.
#3	11.37	36.17	2271.	1200.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2579.3	28531.	4296.1
Stddev	4.6	113.	19.3
%RSD	.17860	.39717	.44980
#1	2575.4	28566.	4294.0
#2	2578.2	28405.	4316.4
#3	2584.4	28623.	4277.9

Sample Name: 460-41502-a-54-a@4 Acquired: 6/28/2012 21:14:10 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35190.	20.94	-4155	89.34	.5976	2435.
Stddev	109.	1.22	.8828	.08	.0997	6.
%RSD	.3107	5.826	212.5	.0947	16.69	.2540

#1	35230.	21.82	-.0354	89.43	.6990	2441.
#2	35060.	21.45	.2136	89.30	.4997	2429.
#3	35270.	19.55	-1.425	89.27	.5942	2435.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.342	26.39	106.9	80.81	51030.	1077.
Stddev	.097	.26	.7	1.67	94.	14.
%RSD	7.224	1.001	.6210	2.067	.1844	1.297

#1	1.257	26.66	106.1	81.23	50960.	1078.
#2	1.322	26.37	107.0	82.24	51140.	1091.
#3	1.448	26.14	107.4	78.98	50990.	1063.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5721.	1365.	86.19	36.50	313.5	2.411
Stddev	4.	4.	24.13	.43	1.5	.901
%RSD	.0686	.2707	28.00	1.168	.4921	37.39

#1	5719.	1365.	113.2	36.22	315.2	2.789
#2	5725.	1369.	66.87	36.28	313.1	1.382
#3	5718.	1362.	78.47	36.99	312.2	3.062

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41502-a-54-a@4 Acquired: 6/28/2012 21:14:10 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.022	-.6354	147.1	253.1	6.616	.9520
Stddev	1.667	.9017	.3	.8	.422	.3283
%RSD	82.44	141.9	.1812	.3230	6.378	34.49
#1	.0983	.0169	146.8	253.6	6.964	1.246
#2	3.041	-.2588	147.3	253.6	6.738	.5975
#3	2.927	-1.664	147.3	252.2	6.147	1.013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.005	16.48	923.1	1355.
Stddev	1.071	.10	5.1	8.
%RSD	11.89	.6249	.5502	.5922
#1	8.124	16.55	927.4	1354.
#2	10.20	16.52	917.5	1363.
#3	8.695	16.36	924.4	1347.

Check ? Chk Pass 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	2564.5	28495.	4231.9
Stddev	6.6	26.	9.5
%RSD	.25813	.09026	.22524
#1	2572.0	28480.	4236.0
#2	2559.3	28525.	4238.7
#3	2562.3	28480.	4221.0

Sample Name: 460-41502-a-60-a@4 Acquired: 6/28/2012 21:17:46 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48200.	9.432	-1.080	151.9	.9579	6201.
Stddev	104.	2.162	.704	.1	.0321	20.
%RSD	.2156	22.92	65.19	.0679	3.351	.3282

#1	48080.	8.394	-.7575	151.9	.9308	6211.
#2	48270.	7.986	-.5952	152.1	.9933	6178.
#3	48240.	11.92	-1.888	151.9	.9495	6215.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.383	48.81	139.8	69.64	83070.	882.7
Stddev	.025	.06	.5	1.16	288.	97.7
%RSD	.7329	.1224	.3713	1.663	.3462	11.07

#1	3.390	48.86	140.3	70.88	83210.	928.9
#2	3.355	48.81	139.7	68.59	83250.	770.5
#3	3.403	48.74	139.3	69.46	82740.	948.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10860.	1787.	103.4	56.78	51.46	-.7305
Stddev	19.	5.	8.9	.07	1.33	1.436
%RSD	.1705	.2582	8.597	.1321	2.593	196.5

#1	10850.	1788.	109.4	56.69	51.93	.8352
#2	10880.	1791.	93.19	56.82	52.49	-1.041
#3	10850.	1782.	107.6	56.83	49.96	-1.985

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41502-a-60-a@4 Acquired: 6/28/2012 21:17:46 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.807	-2.241	190.7	984.2	9.077	-.1752
Stddev	2.060	3.136	.9	1.1	.764	.3611
%RSD	54.12	139.9	.4621	.1078	8.422	206.1
#1	1.444	-4.136	191.6	984.1	8.652	.1276
#2	5.227	1.379	190.6	985.3	8.619	-.5748
#3	4.749	-3.965	189.8	983.2	9.959	-.0783

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.514	29.74	1778.	969.8
Stddev	.310	.08	4.	19.0
%RSD	20.45	.2571	.2286	1.957
#1	1.432	29.78	1773.	976.8
#2	1.856	29.65	1780.	948.4
#3	1.253	29.78	1780.	984.3

Check ? Chk Pass 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	2543.9	28153.	4212.9
Stddev	1.4	54.	19.0
%RSD	.05500	.19323	.45184
#1	2543.5	28094.	4234.2
#2	2542.6	28201.	4207.3
#3	2545.4	28165.	4197.4

Sample Name: CCV Acquired: 6/28/2012 21:21:24 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125200.	2517.	1258.	10180.	997.4	125200.
Stddev	388.	10.	1.	21.	2.2	423.
%RSD	.3100	.4048	.0890	.2056	.2190	.3378

#1	124800.	2512.	1257.	10160.	996.0	124900.
#2	125300.	2511.	1259.	10180.	996.4	125100.
#3	125600.	2529.	1258.	10200.	999.9	125700.

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.	2523.	5062.	12460.	100600.	49070.
Stddev	3.	6.	4.	59.	43.	278.
%RSD	.2348	.2188	.0750	.4726	.0427	.5667

#1	1272.	2517.	5062.	12400.	100700.	48860.
#2	1275.	2525.	5059.	12450.	100600.	48980.
#3	1278.	2527.	5066.	12520.	100600.	49390.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123900.	5105.	124000.	2554.	7646.	1027.
Stddev	56.	1.	203.	8.	30.	3.
%RSD	.0455	.0101	.1636	.3177	.3935	.2721

#1	123900.	5105.	123800.	2546.	7618.	1029.
#2	124000.	5104.	124100.	2554.	7641.	1024.
#3	123900.	5105.	124100.	2562.	7678.	1029.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/28/2012 21:21:24 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2480.	2581.	2499.	2501.	1047.	2553.
Stddev	10.	10.	2.	7.	6.	7.
%RSD	.3931	.3916	.0856	.2630	.5793	.2755

#1	2475.	2573.	2498.	2493.	1041.	2545.
#2	2473.	2578.	2501.	2502.	1049.	2555.
#3	2491.	2593.	2498.	2506.	1052.	2558.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1006.	5071.	10070.	10400.
Stddev	1.	21.	28.	97.
%RSD	.1451	.4070	.2818	.9341

#1	1004.	5050.	10040.	10310.
#2	1006.	5070.	10090.	10390.
#3	1007.	5092.	10090.	10500.

Check ?	Chk Pass	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	2324.3	25572.	4039.1
Stddev	4.5	45.	6.3
%RSD	.19282	.17526	.15576

#1	2329.4	25575.	4044.4
#2	2322.8	25616.	4040.8
#3	2320.8	25526.	4032.2

Sample Name: CCB Acquired: 6/28/2012 21:24:43 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.612	-1.163	-.2211	.6310	-.0133	38.05
Stddev	27.66	1.392	.5197	.5754	.1518	15.12
%RSD	363.4	119.7	235.1	91.19	1145.	39.74
#1	23.14	-2.358	.3624	1.289	.1070	52.84
#2	24.02	.3651	-.6345	.3787	.0370	38.69
#3	-24.33	-1.495	-.3911	.2248	-.1838	22.62

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	.1203	.0465	.5032	5.454	9.055	148.2
Stddev	.0215	.2475	.5497	3.210	4.277	59.7
%RSD	17.90	532.7	109.2	58.86	47.24	40.28
#1	.0961	.2712	1.062	8.677	4.178	187.0
#2	.1273	.0870	-.0369	5.428	10.82	79.48
#3	.1374	-.2188	.4845	2.257	12.17	178.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.84	.4986	44.70	.3440	1.963	-.2120
Stddev	8.10	.4610	32.16	.2565	.763	2.223
%RSD	58.51	92.47	71.96	74.56	38.85	1048.
#1	23.16	1.029	81.83	.6317	2.819	2.300
#2	9.824	.2739	26.76	.1392	1.716	-1.014
#3	8.532	.1929	25.51	.2611	1.355	-1.922

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/28/2012 21:24:43 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.199	2.199	.3982	.0979	1.371	3.311
Stddev	1.584	1.556	.4741	.2707	.875	.348
%RSD	72.03	70.77	119.1	276.6	63.85	10.53
#1	.4651	3.786	.9405	.4097	.6606	3.560
#2	3.570	.6752	.1915	-.0404	2.349	3.460
#3	2.563	2.136	.0625	-.0757	1.103	2.912

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5816	.7503	2.288	27.85
Stddev	.7805	.6770	1.167	13.96
%RSD	134.2	90.24	51.03	50.13
#1	1.166	1.530	3.252	17.69
#2	-.3049	.4035	.9898	43.77
#3	.8842	.3169	2.622	22.08

Check ?	Chk Pass	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	2515.2	28122.	4095.9
Stddev	2.4	81.	6.0
%RSD	.09465	.28850	.14690
#1	2513.3	28142.	4093.4
#2	2517.9	28033.	4102.8
#3	2514.4	28191.	4091.6

Sample Name: 460-41502-a-62-a@4 Acquired: 6/28/2012 21:28:30 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50970.	38.59	.3760	391.1	1.318	12750.
Stddev	25.	.70	.2088	.5	.106	96.
%RSD	.0486	1.801	55.53	.1217	8.035	.7533

#1	50990.	39.24	.2028	390.5	1.343	12780.
#2	50940.	38.66	.6079	391.4	1.202	12830.
#3	50970.	37.86	.3173	391.3	1.410	12640.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.096	41.10	156.9	210.4	77070.	1526.
Stddev	.070	.37	.3	2.9	126.	94.
%RSD	1.148	.9027	.2209	1.387	.1631	6.143

#1	6.082	41.30	157.1	212.9	77070.	1633.
#2	6.172	41.33	157.1	207.2	77190.	1479.
#3	6.034	40.68	156.5	211.2	76940.	1464.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12260.	2985.	146.0	76.27	1018.	.3669
Stddev	15.	7.	5.7	.62	3.	1.606
%RSD	.1255	.2203	3.923	.8107	.2724	437.8

#1	12260.	2986.	144.7	76.38	1017.	1.914
#2	12280.	2990.	152.3	76.83	1021.	-1.292
#3	12250.	2977.	141.0	75.61	1015.	.4792

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41502-a-62-a@4 Acquired: 6/28/2012 21:28:30 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.483	.3712	218.0	1565.	13.52	1.426
Stddev	1.151	.9154	.6	3.	.45	.276
%RSD	46.38	246.6	.2739	.2133	3.330	19.37
#1	2.681	.3545	217.7	1567.	13.98	1.153
#2	1.245	1.295	218.7	1567.	13.51	1.705
#3	3.522	-.5357	217.6	1561.	13.08	1.418

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	16.89	65.78	1407.	1507.
Stddev	1.34	.51	3.	30.
%RSD	7.952	.7783	.2109	1.996
#1	16.34	65.73	1409.	1511.
#2	15.91	66.31	1408.	1535.
#3	18.42	65.29	1403.	1475.

Check ? Chk Pass 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	2587.4	28689.	4313.9
Stddev	5.7	36.	22.3
%RSD	.21926	.12477	.51702
#1	2581.3	28675.	4312.8
#2	2588.3	28663.	4336.7
#3	2592.6	28730.	4292.2

Sample Name: 460-41523-e-1-b@4 Acquired: 6/28/2012 21:32:03 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36810.	21.42	-1.574	95.48	1.392	1441.
Stddev	57.	2.96	.548	.28	.101	20.
%RSD	.1553	13.80	34.85	.2917	7.233	1.354

#1	36860.	18.98	-1.022	95.51	1.360	1464.
#2	36820.	20.57	-2.119	95.75	1.311	1430.
#3	36750.	24.71	-1.581	95.19	1.504	1430.

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	.2649	21.54	49.60	57.90	69990.	2458.
Stddev	.0413	.35	.02	4.03	106.	37.
%RSD	15.60	1.634	.0355	6.957	.1516	1.523

#1	.3056	21.13	49.58	58.80	70040.	2483.
#2	.2662	21.72	49.59	53.50	70060.	2415.
#3	.2229	21.76	49.62	61.40	69870.	2476.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11180.	532.5	89.86	61.49	50.18	-2.265
Stddev	21.	1.1	9.19	.28	.77	1.506
%RSD	.1897	.2062	10.23	.4583	1.540	66.50

#1	11180.	533.5	89.81	61.74	50.60	-3.572
#2	11210.	532.6	99.08	61.54	49.29	-.6181
#3	11160.	531.3	80.70	61.19	50.66	-2.604

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41523-e-1-b@4 Acquired: 6/28/2012 21:32:03 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1667	-1.123	59.56	155.7	9.034	.8833
Stddev	2.159	2.472	.19	.3	.786	.2299
%RSD	1295.	220.0	.3156	.2202	8.696	26.03
#1	-2.322	-3.805	59.38	155.4	9.783	.6959
#2	1.534	1.064	59.76	156.0	8.216	.8140
#3	1.288	-.6286	59.55	155.8	9.103	1.140

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.142	26.38	574.2	711.8
Stddev	.492	.07	3.8	8.4
%RSD	43.12	.2649	.6539	1.187
#1	.5750	26.45	578.3	720.7
#2	1.387	26.31	571.1	710.8
#3	1.463	26.37	573.1	703.9

Check ? Chk Pass 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	2594.9	28753.	4328.6
Stddev	8.3	107.	1.1
%RSD	.32154	.37286	.02561
#1	2599.0	28683.	4327.7
#2	2585.3	28701.	4329.8
#3	2600.4	28877.	4328.3

Sample Name: 460-41523-e-2-b@4 Acquired: 6/28/2012 21:35:38 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37800.	17.11	-1.231	144.2	1.563	2704.
Stddev	81.	.60	.382	.3	.063	21.
%RSD	.2148	3.481	31.02	.1976	4.027	.7716

#1	37850.	16.97	-1.472	144.5	1.529	2715.
#2	37830.	16.59	-1.431	144.0	1.636	2717.
#3	37700.	17.76	-.7910	144.0	1.524	2680.

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	.2530	21.88	53.37	53.17	61230.	3774.
Stddev	.0839	.04	.47	4.04	85.	45.
%RSD	33.16	.1912	.8774	7.608	.1384	1.192

#1	.3014	21.89	52.85	50.46	61180.	3738.
#2	.3014	21.84	53.77	57.82	61330.	3760.
#3	.1561	21.92	53.49	51.23	61180.	3824.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9744.	511.3	167.4	55.45	38.11	-3.289
Stddev	24.	.7	15.0	.54	.24	1.810
%RSD	.2456	.1281	8.956	.9782	.6418	55.02

#1	9720.	511.1	177.0	56.07	37.93	-2.993
#2	9743.	512.1	150.1	55.25	38.02	-1.647
#3	9768.	510.9	175.0	55.04	38.39	-5.229

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41523-e-2-b@4 Acquired: 6/28/2012 21:35:38 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7696	-.9467	71.19	142.2	7.019	.7923
Stddev	1.746	1.732	.14	.2	.293	.3303
%RSD	226.9	182.9	.2034	.1346	4.171	41.69
#1	-4.106	-2.233	71.03	142.4	7.063	.4566
#2	2.775	1.022	71.27	142.3	6.707	.8034
#3	-.0560	-1.629	71.28	142.0	7.287	1.117

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.014	29.69	1081.	780.7
Stddev	.360	.23	3.	25.1
%RSD	17.89	.7580	.3086	3.221
#1	1.875	29.91	1081.	809.7
#2	2.423	29.46	1085.	767.6
#3	1.744	29.69	1078.	764.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2656.9	29311.	4437.4
Stddev	6.6	69.	9.7
%RSD	.24904	.23382	.21856
#1	2649.6	29279.	4428.7
#2	2658.7	29265.	4435.5
#3	2662.4	29390.	4447.9

Sample Name: 460-41523-e-3-b@4 Acquired: 6/28/2012 21:39:15 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52720.	12.81	-1.796	179.5	1.987	3870.
Stddev	17.	1.86	.276	.5	.150	7.
%RSD	.0329	14.51	15.38	.2673	7.538	.1825

#1	52700.	14.87	-1.657	180.0	1.896	3865.
#2	52740.	11.26	-2.114	179.3	2.159	3878.
#3	52720.	12.30	-1.616	179.1	1.904	3867.

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	.3130	23.53	73.85	60.62	69510.	5072.
Stddev	.0217	.29	.21	.72	156.	58.
%RSD	6.930	1.212	.2862	1.195	.2244	1.142

#1	.3380	23.74	73.95	61.26	69590.	5067.
#2	.3013	23.63	73.61	59.83	69600.	5133.
#3	.2997	23.20	74.00	60.79	69330.	5017.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13850.	513.2	349.7	76.62	51.19	-2.192
Stddev	38.	1.4	11.8	.44	.63	1.871
%RSD	.2723	.2662	3.362	.5737	1.239	85.37

#1	13840.	513.9	348.5	77.07	51.72	-3.639
#2	13890.	514.1	338.5	76.58	51.36	-.0790
#3	13820.	511.7	362.0	76.20	50.49	-2.857

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41523-e-3-b@4 Acquired: 6/28/2012 21:39:15 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1324	-.2538	89.56	188.9	7.605	-.2818
Stddev	2.427	2.470	.80	.2	.197	.3835
%RSD	1833.	972.9	.8907	.1244	2.591	136.1
#1	2.607	2.597	89.77	188.9	7.381	-.6684
#2	-.9928	-1.721	90.23	189.2	7.750	-.2755
#3	-2.012	-1.638	88.68	188.7	7.685	.0985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.889	38.66	1481.	787.3
Stddev	.423	.19	3.	18.8
%RSD	14.65	.4827	.2330	2.385
#1	3.297	38.59	1477.	772.7
#2	2.919	38.51	1482.	780.7
#3	2.452	38.87	1484.	808.5

Check ? Chk Pass 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	2663.6	29212.	4479.5
Stddev	4.5	164.	16.0
%RSD	.16955	.56016	.35647
#1	2666.4	29047.	4463.5
#2	2658.4	29216.	4495.4
#3	2666.1	29374.	4479.6

Sample Name: 460-41523-e-4-b@4 Acquired: 6/28/2012 21:42:50 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50320.	12.20	-1.709	197.4	1.948	2375.
Stddev	89.	.85	.636	1.3	.127	9.
%RSD	.1769	6.954	37.24	.6828	6.543	.3770

#1	50240.	11.59	-1.958	198.3	1.907	2366.
#2	50420.	11.84	-.9855	198.1	1.846	2384.
#3	50300.	13.17	-2.183	195.9	2.091	2374.

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	.3079	24.12	67.68	56.89	73430.	4775.
Stddev	.0906	.21	.33	3.26	242.	36.
%RSD	29.41	.8842	.4843	5.732	.3301	.7532

#1	.3137	24.14	67.77	54.83	73500.	4736.
#2	.2146	24.33	67.32	60.65	73630.	4806.
#3	.3955	23.90	67.96	55.19	73160.	4782.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12640.	483.9	261.1	67.09	49.19	-2.181
Stddev	60.	.7	13.9	.74	1.36	.990
%RSD	.4720	.1408	5.321	1.097	2.762	45.40

#1	12680.	483.3	258.9	67.55	49.70	-1.172
#2	12670.	484.6	275.9	67.48	47.65	-3.152
#3	12580.	483.7	248.4	66.25	50.22	-2.220

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41523-e-4-b@4 Acquired: 6/28/2012 21:42:50 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.703	-.2042	95.60	174.5	7.214	-.0008
Stddev	1.937	1.099	.43	.5	.330	.1459
%RSD	113.7	538.4	.4515	.2802	4.568	18120.
#1	-3.905	-1.273	95.92	175.0	6.906	.0958
#2	-.9406	.9235	95.77	174.0	7.562	.0705
#3	-.2640	-.2633	95.11	174.4	7.173	-.1686

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.578	35.98	1982.	850.5
Stddev	1.111	.20	2.	4.8
%RSD	70.45	.5471	.1195	.5602
#1	2.516	35.75	1984.	845.0
#2	1.866	36.11	1982.	853.1
#3	.3504	36.08	1980.	853.3

Check ? Chk Pass 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	2674.0	29512.	4452.2
Stddev	7.0	14.	33.6
%RSD	.26079	.04648	.75427
#1	2672.6	29528.	4457.5
#2	2681.6	29507.	4482.8
#3	2667.9	29502.	4416.3

Sample Name: 460-41534-e-6-c@4 Acquired: 6/28/2012 21:46:25 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28250.	59.40	-.7473	228.1	1.584	8826.
Stddev	112.	1.62	.2619	.9	.111	22.
%RSD	.3949	2.728	35.05	.4127	7.019	.2461

#1	28270.	61.23	-.6159	229.1	1.600	8809.
#2	28350.	58.78	-.5771	228.0	1.685	8819.
#3	28130.	58.17	-1.049	227.2	1.465	8850.

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	.9929	28.52	120.5	55.57	62570.	3680.
Stddev	.1389	.35	.9	4.52	181.	35.
%RSD	13.99	1.235	.7151	8.131	.2892	.9608

#1	1.079	28.68	120.9	55.29	62720.	3716.
#2	.8327	28.76	119.5	51.20	62610.	3679.
#3	1.067	28.11	121.0	60.22	62370.	3646.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9575.	1850.	562.6	51.82	184.5	-2.188
Stddev	28.	2.	17.1	.13	1.4	1.512
%RSD	.2905	.1261	3.034	.2462	.7359	69.12

#1	9605.	1849.	575.3	51.88	186.0	-2.201
#2	9569.	1853.	543.2	51.90	183.5	-3.694
#3	9550.	1848.	569.3	51.67	184.0	-.6692

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41534-e-6-c@4 Acquired: 6/28/2012 21:46:25 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.053	.0297	71.15	316.0	15.25	1.281
Stddev	4.323	.4392	.31	1.8	.18	.262
%RSD	141.6	1479.	.4310	.5785	1.204	20.47
#1	-1.208	-.4448	70.92	318.1	15.15	1.529
#2	7.435	.1120	71.02	315.1	15.46	1.309
#3	2.934	.4219	71.50	314.8	15.13	1.006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.900	78.44	954.9	897.3
Stddev	.522	.20	5.0	9.2
%RSD	5.275	.2611	.5284	1.027
#1	10.03	78.61	956.2	907.9
#2	9.327	78.51	959.3	893.1
#3	10.35	78.21	949.4	891.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2608.4	28979.	4310.7
Stddev	7.9	94.	18.1
%RSD	.30340	.32417	.42102
#1	2599.7	28977.	4293.6
#2	2615.1	29075.	4308.9
#3	2610.4	28887.	4329.7

Sample Name: 460-41534-e-7-c@4 Acquired: 6/28/2012 21:50:01 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34570.	29.05	-9749	321.3	2.034	13270.
Stddev	47.	.63	.9096	1.1	.096	52.
%RSD	.1362	2.158	93.30	.3406	4.702	.3937

#1	34610.	28.34	.0615	322.5	2.131	13330.
#2	34590.	29.53	-1.345	320.8	2.033	13250.
#3	34520.	29.28	-1.641	320.5	1.940	13240.

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	1.930	27.82	122.1	363.3	76330.	3987.
Stddev	.062	.25	.4	2.1	103.	23.
%RSD	3.222	.9148	.3589	.5743	.1345	.5670

#1	1.863	28.12	122.0	365.7	76410.	3970.
#2	1.943	27.67	122.6	361.8	76360.	4013.
#3	1.985	27.69	121.8	362.5	76210.	3978.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8469.	965.9	659.5	71.85	382.8	-1.1217
Stddev	8.	1.4	7.2	.17	.9	1.534
%RSD	.0914	.1438	1.098	.2433	.2415	1261.

#1	8470.	966.7	667.3	71.86	382.9	-1.826
#2	8461.	966.7	653.0	72.03	383.7	1.147
#3	8476.	964.3	658.3	71.68	381.9	.3140

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41534-e-7-c@4 Acquired: 6/28/2012 21:50:01 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.403	-0.0895	78.46	798.2	18.50	10.51
Stddev	2.279	1.509	.47	2.9	.59	.21
%RSD	162.4	1686.	.5994	.3686	3.191	1.971
#1	-0.6126	.5655	78.76	801.4	18.66	10.75
#2	3.877	-1.815	77.92	797.5	19.00	10.40
#3	.9458	.9811	78.70	795.6	17.85	10.38

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	76.32	126.5	914.5	987.1
Stddev	.93	.1	3.8	16.3
%RSD	1.213	.0905	.4151	1.654
#1	75.99	126.6	918.2	1006.
#2	77.36	126.7	914.7	978.5
#3	75.60	126.4	910.6	976.9

Check ? Chk Pass 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	2609.3	28873.	4308.3
Stddev	13.6	58.	16.5
%RSD	.52065	.20043	.38228
#1	2593.7	28808.	4291.7
#2	2615.5	28892.	4324.7
#3	2618.6	28919.	4308.5

Sample Name: 460-41547-e-1-e@4 Acquired: 6/28/2012 21:53:35 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27450.	9.114	-1.635	184.4	1.198	18050.
Stddev	49.	.476	.453	.5	.115	68.
%RSD	.1788	5.229	27.70	.2723	9.574	.3754

#1	27500.	9.277	-1.207	184.8	1.272	18130.
#2	27410.	8.578	-2.110	183.8	1.256	18000.
#3	27430.	9.488	-1.589	184.5	1.066	18020.

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	.8909	18.22	50.04	66.74	45680.	2912.
Stddev	.0158	.09	.62	4.68	117.	23.
%RSD	1.771	.5176	1.236	7.019	.2552	.8053

#1	.8956	18.30	50.75	66.03	45780.	2939.
#2	.8733	18.25	49.63	62.45	45700.	2897.
#3	.9037	18.11	49.73	71.74	45550.	2899.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7159.	815.1	1125.	46.34	114.0	1.311
Stddev	20.	3.4	13.	.52	1.5	1.356
%RSD	.2794	.4165	1.141	1.129	1.334	103.4

#1	7165.	817.1	1110.	46.59	115.0	1.520
#2	7175.	817.0	1132.	45.74	114.7	-.1376
#3	7136.	811.1	1132.	46.69	112.2	2.550

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41547-e-1-e@4 Acquired: 6/28/2012 21:53:35 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0597	-1.129	87.36	149.3	28.83	10.99
Stddev	1.341	1.787	.69	.1	.82	.10
%RSD	2247.	158.4	.7932	.0824	2.857	.8944
#1	.8177	-2.296	87.96	149.5	29.51	11.11
#2	-1.488	-2.019	87.52	149.3	27.91	10.96
#3	.8495	.9289	86.60	149.2	29.06	10.92

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.148	108.0	646.0	935.5
Stddev	1.065	.3	.8	26.6
%RSD	20.70	.3211	.1261	2.840
#1	5.174	108.4	646.9	905.0
#2	6.201	108.0	646.0	953.5
#3	4.070	107.7	645.2	948.0

Check ? Chk Pass 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	2604.3	28769.	4306.5
Stddev	5.3	80.	24.0
%RSD	.20493	.27940	.55837
#1	2599.1	28736.	4283.5
#2	2609.8	28711.	4304.6
#3	2604.0	28861.	4331.5

Sample Name: 460-41547-e-6-d@4 Acquired: 6/28/2012 21:57:11 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18920.	8.478	-1.125	152.4	.9742	13200.
Stddev	98.	2.900	.654	.5	.1255	57.
%RSD	.5202	34.21	58.17	.3066	12.88	.4344

#1	19020.	11.10	-.9207	152.8	.8540	13260.
#2	18830.	5.361	-.5969	152.5	.9643	13140.
#3	18910.	8.975	-1.857	151.9	1.104	13210.

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	.9459	15.71	42.92	49.80	40470.	1965.
Stddev	.0116	.21	.53	2.56	77.	17.
%RSD	1.227	1.314	1.234	5.141	.1913	.8500

#1	.9360	15.81	43.25	49.19	40550.	1983.
#2	.9430	15.85	42.31	52.61	40470.	1963.
#3	.9587	15.47	43.20	47.59	40390.	1950.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5691.	723.7	659.4	34.24	88.56	-.3138
Stddev	17.	.5	24.0	.28	.79	2.276
%RSD	.3026	.0716	3.644	.8149	.8882	725.2

#1	5695.	724.3	685.1	34.22	89.46	2.177
#2	5706.	723.3	655.5	33.96	88.12	-2.284
#3	5672.	723.6	637.6	34.52	88.08	-.8342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41547-e-6-d@4 Acquired: 6/28/2012 21:57:11 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.226	-2.247	73.23	136.2	16.38	1.708
Stddev	1.349	.591	.59	.3	.29	.340
%RSD	110.1	26.31	.8003	.2441	1.749	19.92
#1	-3.052	-1.582	73.72	136.6	16.57	2.057
#2	2.242	-2.712	73.38	136.0	16.05	1.689
#3	1.741	-2.446	72.58	136.1	16.53	1.378

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.920	63.25	513.5	858.5
Stddev	.668	.30	1.9	11.9
%RSD	17.03	.4783	.3726	1.386
#1	4.605	63.60	515.7	848.3
#2	3.272	63.06	512.6	871.6
#3	3.883	63.09	512.1	855.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2595.0	28927.	4287.7
Stddev	7.2	65.	37.9
%RSD	.27936	.22629	.88451
#1	2586.7	28922.	4245.5
#2	2600.0	28994.	4318.7
#3	2598.4	28864.	4299.0

Sample Name: 460-41547-e-7-e@4 Acquired: 6/28/2012 22:00:48 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27450.	14.65	-.5419	188.4	1.116	4936.
Stddev	45.	1.72	.3687	.1	.165	31.
%RSD	.1632	11.74	68.04	.0658	14.74	.6180

#1	27390.	16.53	-.3898	188.5	1.142	4971.
#2	27470.	13.15	-.2735	188.3	1.266	4924.
#3	27470.	14.26	-.9623	188.4	.9402	4913.

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	1.651	16.99	62.88	58.89	42850.	1788.
Stddev	.099	.20	.25	2.89	24.	66.
%RSD	5.965	1.155	.3957	4.916	.0564	3.717

#1	1.752	16.82	63.10	55.66	42870.	1736.
#2	1.648	17.21	62.93	59.74	42830.	1863.
#3	1.555	16.95	62.61	61.26	42860.	1765.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6173.	662.9	684.7	43.23	119.5	-.6110
Stddev	10.	.4	5.4	.43	1.9	.4664
%RSD	.1595	.0579	.7906	.9906	1.608	76.34

#1	6163.	663.3	678.8	43.24	118.6	-.2129
#2	6183.	662.5	685.8	42.80	121.7	-1.124
#3	6175.	662.9	689.4	43.66	118.2	-.4959

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41547-e-7-e@4 Acquired: 6/28/2012 22:00:48 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.514	-1.049	74.20	158.6	7.201	1.124
Stddev	1.315	1.504	.49	.4	.374	.291
%RSD	37.43	143.4	.6625	.2453	5.196	25.95
#1	3.122	.6704	74.74	159.0	7.009	1.267
#2	2.439	-1.697	73.78	158.2	7.633	.7881
#3	4.981	-2.121	74.07	158.7	6.963	1.316

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.969	36.95	348.0	876.4
Stddev	.746	.05	2.5	2.2
%RSD	9.363	.1347	.7109	.2480
#1	7.450	36.98	349.3	878.9
#2	8.824	36.98	345.1	875.3
#3	7.632	36.89	349.6	875.0

Check ? Chk Pass 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	2609.9	29117.	4317.5
Stddev	5.7	124.	10.2
%RSD	.21845	.42456	.23644
#1	2604.4	29011.	4312.1
#2	2615.8	29087.	4311.2
#3	2609.7	29253.	4329.3

Sample Name: CCV Acquired: 6/28/2012 22:04:26 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125800.	2533.	1262.	10210.	1002.	125700.
Stddev	370.	5.	4.	16.	4.	700.
%RSD	.2942	.1966	.2991	.1550	.3826	.5566

#1	126200.	2538.	1258.	10220.	1007.	126500.
#2	125700.	2529.	1262.	10210.	1001.	125400.
#3	125500.	2530.	1266.	10190.	999.4	125200.

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	1281.	2530.	5097.	12490.	101300.	49390.
Stddev	1.	7.	10.	66.	116.	133.
%RSD	.0943	.2781	.1980	.5315	.1149	.2701

#1	1282.	2537.	5087.	12550.	101100.	49490.
#2	1280.	2531.	5098.	12490.	101300.	49440.
#3	1280.	2523.	5107.	12420.	101300.	49240.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125000.	5136.	124600.	2566.	7673.	1028.
Stddev	269.	4.	659.	5.	5.	2.
%RSD	.2151	.0706	.5287	.1949	.0668	.1507

#1	124700.	5134.	125300.	2572.	7677.	1027.
#2	125000.	5135.	124300.	2565.	7674.	1027.
#3	125200.	5140.	124100.	2562.	7667.	1030.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/28/2012 22:04:26 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2504.	2594.	2516.	2511.	1049.	2557.
Stddev	6.	2.	7.	3.	1.	3.
%RSD	.2470	.0628	.2709	.1163	.1196	.1137

#1	2511.	2596.	2509.	2513.	1049.	2560.
#2	2501.	2594.	2519.	2512.	1050.	2557.
#3	2501.	2593.	2521.	2508.	1048.	2554.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1009.	5104.	10110.	10420.
Stddev	2.	19.	39.	65.
%RSD	.1593	.3629	.3894	.6267

#1	1010.	5124.	10160.	10360.
#2	1009.	5098.	10100.	10400.
#3	1007.	5088.	10080.	10490.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2339.4	25644.	4047.4
Stddev	4.1	62.	36.2
%RSD	.17459	.24284	.89435

#1	2334.7	25611.	4007.1
#2	2342.0	25604.	4058.1
#3	2341.5	25715.	4077.1

Sample Name: CCB Acquired: 6/28/2012 22:07:45 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29.09	1.527	-.0019	.5745	-.0017	23.01
Stddev	20.02	.563	.3987	.5048	.2518	26.28
%RSD	68.84	36.84	21430.	87.88	14950.	114.2

#1	43.74	1.488	-.2420	1.150	.2169	48.73
#2	6.271	2.108	-.2219	.3681	.0549	24.08
#3	37.25	.9849	.4583	.2055	-.2769	-3.793

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	.0079	.1145	.6927	7.932	10.43	177.9
Stddev	.0418	.0670	.3957	5.232	13.33	89.4
%RSD	532.1	58.50	57.12	65.96	127.8	50.24

#1	.0533	.1355	1.118	12.64	23.19	279.1
#2	-.0289	.1684	.3359	2.298	11.49	144.6
#3	-.0008	.0395	.6239	8.859	-3.400	109.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.77	.3808	43.04	-.0636	1.904	.3598
Stddev	9.68	.3956	19.81	.3536	.605	.9121
%RSD	82.22	103.9	46.04	556.2	31.76	253.5

#1	22.79	.8350	65.89	.2430	2.450	-.2826
#2	7.912	.1963	32.55	-.4503	2.008	-.0418
#3	4.620	.1112	30.68	.0166	1.254	1.404

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/28/2012 22:07:45 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.947	-.2521	.3488	.0380	1.496	2.853
Stddev	3.693	.7175	.2409	.1365	1.086	.396
%RSD	189.7	284.6	69.06	359.2	72.59	13.87
#1	5.376	.3715	.2994	.1583	2.719	3.306
#2	-1.963	-.0916	.1365	.0660	1.126	2.575
#3	2.429	-1.036	.6107	-.1103	.6434	2.678

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.323	.7255	2.279	9.345
Stddev	.448	.5217	.772	16.52
%RSD	33.88	71.91	33.88	176.7
#1	1.050	1.327	2.472	7.884
#2	1.840	.4534	1.429	26.54
#3	1.078	.3960	2.936	-6.393

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2526.5	28163.	4139.8
Stddev	5.1	43.	19.1
%RSD	.20051	.15220	.46161
#1	2532.1	28212.	4149.8
#2	2525.2	28133.	4117.8
#3	2522.2	28145.	4151.9

Sample Name: 460-41546-a-1-b@4 Acquired: 6/28/2012 22:11:32 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34860.	7.448	-1.138	236.5	.5580	8973.
Stddev	239.	1.697	.454	.6	.1146	43.
%RSD	.6859	22.78	39.91	.2342	20.54	.4767
#1	34600.	6.257	-.6213	235.9	.4768	8931.
#2	34920.	6.697	-1.319	236.9	.6891	8971.
#3	35070.	9.391	-1.474	236.7	.5081	9017.

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	.5229	28.04	66.86	62.52	58200.	6393.
Stddev	.0310	.31	.37	3.36	164.	36.
%RSD	5.919	1.123	.5574	5.369	.2826	.5619
#1	.5208	27.77	66.50	62.74	58040.	6352.
#2	.4931	28.39	66.82	59.06	58190.	6407.
#3	.5549	27.97	67.25	65.77	58370.	6420.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15040.	939.8	204.5	57.76	27.71	-.7604
Stddev	59.	2.8	1.0	.55	1.31	.2673
%RSD	.3935	.3030	.4857	.9516	4.731	35.15
#1	14990.	936.5	205.1	58.15	28.00	-.4549
#2	15030.	940.8	203.4	57.99	26.28	-.8745
#3	15110.	941.9	205.1	57.13	28.85	-.9516

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41546-a-1-b@4 Acquired: 6/28/2012 22:11:32 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5573	2.040	84.11	125.9	3.537	.3058
Stddev	1.526	.948	.14	.7	.480	.3514
%RSD	273.8	46.47	.1692	.5896	13.58	114.9
#1	-2.253	2.391	83.99	125.2	3.802	.7044
#2	.7065	2.762	84.06	126.6	2.982	.1719
#3	-.1258	.9665	84.27	125.8	3.826	.0410

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6307	28.33	2460.	684.0
Stddev	.8685	.19	13.	12.7
%RSD	137.7	.6631	.5338	1.857
#1	.8769	28.19	2445.	675.4
#2	-.3344	28.25	2467.	698.6
#3	1.349	28.54	2468.	678.0

Check ? Chk Pass 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	2556.3	28278.	4257.1
Stddev	5.6	42.	31.2
%RSD	.21911	.14925	.73377
#1	2558.2	28326.	4262.8
#2	2550.0	28260.	4285.1
#3	2560.7	28247.	4223.4

Sample Name: 460-41546-a-2-b@4 Acquired: 6/28/2012 22:15:09 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36040.	9.120	11.66	579.3	.4730	7106.
Stddev	129.	3.216	.51	.9	.1223	25.
%RSD	.3577	35.27	4.362	.1554	25.85	.3574

#1	35960.	5.730	12.22	579.8	.5895	7082.
#2	36190.	9.501	11.22	579.9	.3457	7132.
#3	35960.	12.13	11.54	578.3	.4838	7103.

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	1.679	21.33	87.19	215.5	60110.	6044.
Stddev	.130	.12	.24	3.1	69.	45.
%RSD	7.718	.5494	.2770	1.437	.1144	.7384

#1	1.816	21.41	86.97	219.0	60180.	6092.
#2	1.663	21.20	87.13	213.1	60120.	6005.
#3	1.558	21.39	87.45	214.4	60040.	6033.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13490.	531.0	228.6	57.26	498.1	.3868
Stddev	7.	.7	19.3	.64	1.5	1.928
%RSD	.0509	.1370	8.426	1.120	.3080	498.5

#1	13490.	531.8	223.9	57.54	498.0	2.585
#2	13480.	530.4	249.8	57.70	499.7	-1.018
#3	13480.	530.8	212.1	56.52	496.6	-.4061

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-2-b@4 Acquired: 6/28/2012 22:15:09 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.572	-.6880	93.20	458.7	5.946	1.300
Stddev	.617	2.487	.37	1.3	.472	.165
%RSD	23.99	361.5	.3952	.2895	7.938	12.68
#1	3.191	.6377	93.41	459.4	6.202	1.252
#2	2.568	.8552	93.41	459.4	6.234	1.484
#3	1.957	-3.557	92.77	457.1	5.401	1.164

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	72.40	56.83	2506.	703.2
Stddev	1.31	.31	6.	18.3
%RSD	1.806	.5513	.2199	2.598
#1	73.59	56.71	2509.	682.4
#2	71.00	57.19	2509.	716.7
#3	72.61	56.59	2499.	710.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2573.3	28372.	4277.6
Stddev	3.0	98.	10.0
%RSD	.11615	.34537	.23273
#1	2574.8	28297.	4278.9
#2	2569.8	28483.	4267.0
#3	2575.2	28337.	4286.8

Sample Name: 460-41546-a-3-b@4 Acquired: 6/28/2012 22:18:44 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39210.	57.83	.2930	369.6	.5527	13400.
Stddev	150.	2.86	.3923	1.3	.0114	66.
%RSD	.3815	4.953	133.9	.3386	2.068	.4960

#1	39230.	59.61	-.1599	371.0	.5520	13470.
#2	39360.	54.52	.5271	369.0	.5417	13390.
#3	39060.	59.35	.5119	368.7	.5645	13340.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.514	73.40	123.7	202.2	F 285700.	3880.
Stddev	.072	.26	.8	4.3	330.	51.
%RSD	.9580	.3570	.6161	2.126	.1155	1.314

#1	7.479	73.34	124.3	203.0	286100.	3829.
#2	7.597	73.69	122.8	206.0	285600.	3880.
#3	7.467	73.18	123.8	197.6	285400.	3931.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12550.	2169.	-39.32	118.5	128.0	-.9075
Stddev	5.	3.	17.11	.6	1.1	.6110
%RSD	.0378	.1313	43.51	.4661	.8905	67.33

#1	12550.	2172.	-20.07	119.0	129.2	-.2578
#2	12540.	2170.	-45.09	118.7	126.9	-1.470
#3	12550.	2166.	-52.79	117.9	127.7	-.9942

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-3-b@4 Acquired: 6/28/2012 22:18:44 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.459	.2741	116.7	2542.	6.998	10.05
Stddev	1.418	1.276	.5	6.	.526	.18
%RSD	41.01	465.5	.3929	.2285	7.517	1.839
#1	3.270	.0807	117.0	2547.	6.392	9.984
#2	2.144	-.8941	116.9	2543.	7.269	9.915
#3	4.962	1.636	116.2	2536.	7.333	10.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	21.10	87.58	2771.	1032.
Stddev	.71	.14	10.	7.
%RSD	3.369	.1551	.3679	.6925
#1	21.91	87.72	2767.	1024.
#2	20.58	87.57	2782.	1035.
#3	20.81	87.45	2763.	1038.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2566.7	28255.	4325.4
Stddev	6.1	96.	21.7
%RSD	.23888	.34133	.50112
#1	2559.9	28144.	4307.5
#2	2568.2	28309.	4319.2
#3	2571.9	28313.	4349.5

Sample Name: 460-41546-d-21-n du@ Acquired: 6/28/2012 22:22:15 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28450.	6.798	-7577	222.7	.3254	7926.
Stddev	14.	2.251	.4261	.9	.0602	18.
%RSD	.0478	33.11	56.23	.4197	18.50	.2323

#1	28430.	7.760	-8048	223.4	.3949	7916.
#2	28450.	8.407	-.3101	222.9	.2905	7915.
#3	28460.	4.226	-1.158	221.6	.2907	7947.

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	.4804	22.39	59.07	57.54	48440.	5883.
Stddev	.0657	.22	.33	4.07	190.	48.
%RSD	13.67	.9810	.5541	7.078	.3919	.8183

#1	.5418	22.32	59.41	60.97	48650.	5828.
#2	.4112	22.63	58.75	58.63	48360.	5906.
#3	.4882	22.21	59.05	53.04	48290.	5915.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13170.	853.0	201.6	51.01	18.92	.9204
Stddev	48.	1.8	10.4	.38	.84	2.525
%RSD	.3644	.2087	5.185	.7546	4.444	274.3

#1	13220.	853.9	189.6	51.33	19.64	1.734
#2	13180.	850.9	206.3	50.58	17.99	2.938
#3	13120.	854.0	208.9	51.11	19.13	-1.911

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-d-21-n du@ Acquired: 6/28/2012 22:22:15 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5250	-.0892	69.36	104.6	1.873	.1306
Stddev	.2677	1.320	.73	.5	.644	.1012
%RSD	50.98	1479.	1.051	.4799	34.39	77.49
#1	-.2187	-1.600	69.41	105.2	1.169	.2363
#2	-.6424	.8381	70.06	104.4	2.433	.0345
#3	-.7139	.4946	68.60	104.2	2.017	.1211

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3791	25.94	2172.	685.4
Stddev	.5537	.18	1.	6.9
%RSD	146.1	.7026	.0601	1.003
#1	1.018	25.84	2173.	692.1
#2	.0770	25.82	2170.	678.4
#3	.0421	26.15	2172.	685.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2576.9	28502.	4283.1
Stddev	6.6	174.	29.3
%RSD	.25490	.61144	.68375
#1	2571.3	28301.	4265.9
#2	2584.1	28609.	4316.9
#3	2575.3	28596.	4266.5

Sample Name: 460-41546-d-21-m@4 Acquired: 6/28/2012 22:25:52 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29300.	8.046	-3182	217.5	.4703	7544.
Stddev	72.	.675	.1534	1.7	.0480	19.
%RSD	.2472	8.392	48.19	.7847	10.20	.2490

#1	29380.	7.647	-.4718	219.3	.4930	7538.
#2	29270.	8.826	-.1651	217.2	.5027	7529.
#3	29250.	7.666	-.3179	216.0	.4152	7565.

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	.4282	24.45	60.38	60.28	57940.	6091.
Stddev	.0456	.08	.38	.91	254.	58.
%RSD	10.64	.3416	.6360	1.505	.4379	.9467

#1	.4536	24.54	60.75	61.31	58230.	6028.
#2	.4555	24.37	60.42	59.88	57850.	6141.
#3	.3756	24.45	59.98	59.63	57750.	6105.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12720.	929.1	183.3	55.04	20.80	-2.689
Stddev	52.	1.3	15.2	.16	.36	1.709
%RSD	.4055	.1382	8.309	.2945	1.717	63.55

#1	12770.	929.9	166.9	55.11	20.48	-1.912
#2	12720.	927.6	197.0	54.85	21.19	-1.507
#3	12660.	929.7	185.9	55.15	20.74	-4.649

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-d-21-m@4 Acquired: 6/28/2012 22:25:52 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.540	-.0756	74.45	113.5	1.680	.1905
Stddev	1.913	1.974	.24	1.2	.597	.1076
%RSD	124.2	2611.	.3272	1.054	35.51	56.47

#1	.7411	-.6426	74.19	114.9	1.733	.3008
#2	3.723	2.120	74.49	113.3	1.059	.1848
#3	.1568	-1.704	74.67	112.5	2.249	.0859

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.075	28.12	2181.	631.7
Stddev	.472	.14	14.	1.6
%RSD	43.89	.4863	.6387	.2505

#1	1.593	27.99	2192.	630.4
#2	.9635	28.10	2186.	633.4
#3	.6694	28.27	2165.	631.3

Check ?	Chk Pass	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	2552.4	28283.	4189.0
Stddev	8.4	152.	20.9
%RSD	.32956	.53635	.49913

#1	2545.2	28170.	4174.1
#2	2550.3	28224.	4212.9
#3	2561.7	28455.	4180.1

Sample Name: sd 460-41546-d-21-m@ Acquired: 6/28/2012 22:29:29 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5817.	1.875	-.6247	42.96	-.0175	1515.
Stddev	23.	1.155	.4592	.09	.0676	23.
%RSD	.3967	61.59	73.51	.2073	385.4	1.506

#1	5839.	1.118	-1.110	43.03	-.0612	1525.
#2	5819.	3.204	-.5679	42.99	.0603	1532.
#3	5793.	1.302	-.1966	42.86	-.0517	1489.

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	.1832	5.041	12.12	15.18	11600.	1241.
Stddev	.0552	.141	.48	1.52	38.	41.
%RSD	30.11	2.792	3.963	10.01	.3298	3.267

#1	.1483	4.880	12.64	16.66	11570.	1216.
#2	.1544	5.139	11.69	13.62	11650.	1218.
#3	.2468	5.105	12.03	15.27	11590.	1287.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2554.	185.8	11.66	11.02	3.713	-1.799
Stddev	4.	.3	4.44	.94	.590	1.654
%RSD	.1564	.1722	38.09	8.492	15.89	91.96

#1	2549.	186.0	6.991	12.06	4.343	-1.140
#2	2557.	185.9	15.83	10.75	3.173	-3.682
#3	2555.	185.4	12.15	10.25	3.623	-.5760

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-41546-d-21-m@ Acquired: 6/28/2012 22:29:29 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.874	1.608	14.63	22.64	.4923	-.0426
Stddev	1.692	1.692	.16	.21	.6703	.2358
%RSD	90.27	105.2	1.111	.9244	136.1	553.6
#1	3.093	.5154	14.81	22.58	.2232	-.1757
#2	-.0573	.7515	14.60	22.87	1.255	-.1818
#3	2.586	3.556	14.49	22.46	-.0015	.2297

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1620	5.711	424.9	131.6
Stddev	.5249	.095	1.2	20.3
%RSD	324.0	1.660	.2826	15.44
#1	.7277	5.819	425.6	126.7
#2	-.3095	5.640	425.5	114.1
#3	.0678	5.673	423.5	153.9

Check ? Chk Pass 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	2544.4	28249.	4120.6
Stddev	3.0	55.	6.4
%RSD	.11872	.19500	.15465
#1	2543.1	28303.	4114.7
#2	2547.9	28251.	4119.8
#3	2542.4	28193.	4127.3

Sample Name: 460-41546-d-21-o ms@ Acquired: 6/28/2012 22:33:07 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33680.	945.6	23.43	1264.	25.06	18870.
Stddev	71.	.5	.46	1.	.12	14.
%RSD	.2117	.0495	1.963	.0719	.4790	.0740

#1	33760.	946.1	22.98	1265.	25.17	18880.
#2	33630.	945.5	23.90	1264.	25.06	18870.
#3	33640.	945.2	23.41	1263.	24.93	18850.

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	25.46	276.2	166.3	184.8	52490.	16000.
Stddev	.16	.7	.5	3.9	43.	54.
%RSD	.6105	.2442	.3293	2.111	.0813	.3397

#1	25.34	276.8	165.6	184.0	52510.	16030.
#2	25.64	276.3	166.5	189.0	52450.	15940.
#3	25.41	275.5	166.6	181.3	52530.	16030.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23430.	1162.	9880.	310.7	275.5	170.0
Stddev	34.	3.	20.	.2	1.5	.6
%RSD	.1462	.2334	.2073	.0701	.5323	.3542

#1	23410.	1164.	9903.	310.9	276.5	170.3
#2	23410.	1161.	9866.	310.8	273.8	170.3
#3	23470.	1159.	9870.	310.5	276.2	169.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-d-21-o ms@ Acquired: 6/28/2012 22:33:07 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	931.9	1057.	322.0	356.8	247.9	244.6
Stddev	4.0	5.	.2	.2	2.0	.7
%RSD	.4343	.4901	.0526	.0523	.8224	.2683
#1	931.1	1063.	322.0	356.8	248.7	245.2
#2	936.2	1053.	321.8	356.6	249.4	244.5
#3	928.3	1055.	322.1	356.9	245.6	243.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	247.1	274.5	2722.	1256.
Stddev	1.7	.8	2.	24.
%RSD	.6945	.2894	.0728	1.908
#1	248.9	275.3	2723.	1238.
#2	245.5	274.6	2723.	1246.
#3	246.8	273.7	2720.	1283.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2526.8	27815.	4174.9
Stddev	5.5	133.	28.6
%RSD	.21574	.47844	.68489
#1	2520.8	27663.	4141.9
#2	2531.5	27911.	4192.4
#3	2528.2	27871.	4190.3

Sample Name: pds 460-41546-d-21-m Acquired: 6/28/2012 22:36:35 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30830.	1877.	46.68	2206.	48.64	26860.
Stddev	117.	7.	.64	6.	.47	151.
%RSD	.3799	.3722	1.371	.2648	.9659	.5622

#1	30970.	1883.	46.68	2211.	49.18	27020.
#2	30780.	1878.	47.32	2209.	48.41	26840.
#3	30760.	1869.	46.04	2200.	48.33	26720.

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	49.88	522.0	259.7	300.8	58400.	24190.
Stddev	.04	1.0	.1	5.4	67.	177.
%RSD	.0709	.1879	.0461	1.794	.1145	.7305

#1	49.87	522.8	259.6	306.7	58400.	24390.
#2	49.85	522.4	259.8	296.1	58470.	24150.
#3	49.92	520.9	259.7	299.7	58340.	24040.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31400.	1417.	19040.	559.1	525.1	431.1
Stddev	12.	2.	82.	1.1	.8	6.2
%RSD	.0377	.1683	.4318	.1967	.1538	1.430

#1	31380.	1419.	19130.	559.4	524.5	435.8
#2	31410.	1416.	19020.	560.0	526.1	433.3
#3	31400.	1415.	18970.	557.9	524.9	424.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-41546-d-21-m Acquired: 6/28/2012 22:36:35 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1854.	2078.	557.8	598.7	492.0	487.2
Stddev	4.	2.	.6	.8	.5	1.4
%RSD	.2209	.0885	.1126	.1334	.1068	.2813
#1	1849.	2080.	557.8	599.1	492.6	488.3
#2	1857.	2076.	558.4	599.2	491.7	487.6
#3	1854.	2077.	557.2	597.8	491.8	485.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	494.8	503.0	2650.	710.7
Stddev	1.7	2.3	8.	36.8
%RSD	.3480	.4552	.3024	5.175
#1	495.8	505.3	2657.	669.0
#2	495.9	503.1	2650.	724.7
#3	492.8	500.7	2641.	738.4

Check ?	Chk Pass	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	2516.5	27674.	4207.4
Stddev	4.7	27.	43.5
%RSD	.18481	.09886	1.0336
#1	2513.9	27670.	4157.3
#2	2513.8	27649.	4228.7
#3	2521.9	27703.	4236.1

Sample Name: 460-41546-a-4-b@4 Acquired: 6/28/2012 22:39:59 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27700.	14.77	-6467	238.5	.3452	11860.
Stddev	89.	.87	.0962	1.5	.0166	33.
%RSD	.3209	5.894	14.87	.6204	4.823	.2761

#1	27780.	15.14	-.7287	240.1	.3633	11860.
#2	27710.	15.40	-.6705	238.3	.3306	11890.
#3	27600.	13.78	-.5409	237.1	.3417	11820.

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	.7357	39.58	74.50	71.33	47110.	4964.
Stddev	.1295	.42	.62	4.98	274.	29.
%RSD	17.60	1.065	.8287	6.988	.5809	.5856

#1	.6665	40.01	74.24	72.69	47390.	4951.
#2	.8850	39.17	75.21	65.81	47110.	4998.
#3	.6554	39.55	74.06	75.50	46840.	4944.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14290.	729.3	289.4	77.09	23.64	8.714
Stddev	78.	2.9	13.5	.11	.66	.958
%RSD	.5432	.3935	4.660	.1391	2.772	10.99

#1	14350.	731.7	287.5	77.21	24.35	9.793
#2	14310.	730.0	277.0	77.05	23.49	7.966
#3	14200.	726.1	303.8	77.00	23.07	8.381

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-4-b@4 Acquired: 6/28/2012 22:39:59 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.483	.8724	106.4	125.2	3.947	6.995
Stddev	2.854	2.721	.8	.7	.943	.450
%RSD	192.5	311.8	.7535	.5865	23.90	6.426
#1	-3.499	3.853	106.7	126.0	4.817	6.595
#2	1.783	.2405	107.1	125.1	4.079	6.908
#3	-2.733	-1.477	105.5	124.5	2.944	7.481

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9156	39.55	2248.	915.6
Stddev	.3524	.08	8.	23.9
%RSD	38.48	.2083	.3720	2.614
#1	.6093	39.64	2251.	926.9
#2	.8368	39.55	2256.	888.1
#3	1.301	39.47	2239.	931.8

Check ? Chk Pass 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	2593.1	28670.	4307.6
Stddev	4.9	90.	19.6
%RSD	.19061	.31257	.45466
#1	2590.0	28595.	4287.0
#2	2598.8	28647.	4325.9
#3	2590.4	28769.	4309.8

Sample Name: lcssrm 460-117773/2- Acquired: 6/28/2012 22:43:34 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31610.	1153.	230.5	1255.	457.0	33200.
Stddev	48.	2.	.3	.	2.0	97.
%RSD	.1520	.2093	.1354	.0173	.4312	.2929

#1	31560.	1151.	230.5	1255.	459.2	33310.
#2	31650.	1156.	230.2	1255.	455.4	33150.
#3	31630.	1152.	230.8	1255.	456.3	33150.

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	955.0	926.9	639.1	591.9	59610.	11350.
Stddev	.3	.3	1.4	4.7	52.	84.
%RSD	.0343	.0279	.2172	.8004	.0868	.7390

#1	955.3	927.0	637.5	596.9	59650.	11330.
#2	955.0	927.1	640.0	591.2	59630.	11280.
#3	954.6	926.6	639.8	587.5	59550.	11440.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12860.	1705.	2505.	610.5	534.9	909.6
Stddev	6.	3.	22.	.5	1.4	.4
%RSD	.0437	.1693	.8952	.0823	.2707	.0470

#1	12870.	1708.	2527.	610.0	534.7	909.1
#2	12860.	1703.	2507.	611.0	533.5	909.9
#3	12860.	1703.	2482.	610.4	536.4	909.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-117773/2- Acquired: 6/28/2012 22:43:34 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	530.3	875.8	584.2	886.8	577.5	478.5
Stddev	1.8	2.1	.8	.1	1.0	.5
%RSD	.3315	.2426	.1424	.0139	.1749	.1065
#1	528.3	873.5	583.9	887.0	576.3	479.0
#2	531.0	877.7	585.1	886.7	578.2	478.5
#3	531.6	876.3	583.5	886.9	577.9	478.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	566.1	623.7	1007.	2416.
Stddev	2.1	1.8	2.	28.
%RSD	.3630	.2817	.1706	1.166
#1	564.3	625.8	1008.	2441.
#2	565.6	622.6	1008.	2421.
#3	568.3	622.8	1005.	2385.

Check ?	Chk Pass	Chk Pass	Chk Pass	None
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	2597.5	28644.	4335.3
Stddev	4.0	65.	7.4
%RSD	.15321	.22561	.16966
#1	2602.0	28580.	4342.2
#2	2596.0	28709.	4336.2
#3	2594.5	28643.	4327.6

Sample Name: CCV Acquired: 6/28/2012 22:47:01 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125300.	2532.	1262.	10230.	986.5	124300.
Stddev	473.	3.	2.	28.	4.1	461.
%RSD	.3776	.1342	.1202	.2694	.4192	.3713

#1	125300.	2529.	1263.	10260.	985.3	124300.
#2	125800.	2536.	1263.	10230.	991.1	124700.
#3	124900.	2532.	1260.	10200.	983.1	123800.

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	1284.	2532.	5117.	12280.	101400.	48850.
Stddev	3.	5.	7.	27.	311.	295.
%RSD	.2349	.1988	.1391	.2209	.3061	.6047

#1	1287.	2537.	5125.	12260.	101700.	48580.
#2	1285.	2532.	5115.	12310.	101400.	49160.
#3	1281.	2527.	5111.	12270.	101100.	48810.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125700.	5126.	123500.	2569.	7686.	1031.
Stddev	211.	15.	479.	6.	20.	2.
%RSD	.1678	.2952	.3879	.2199	.2537	.1781

#1	125800.	5140.	123600.	2574.	7709.	1033.
#2	125800.	5128.	123900.	2569.	7677.	1031.
#3	125400.	5110.	123000.	2563.	7673.	1029.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/28/2012 22:47:01 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2500.	2595.	2519.	2513.	1049.	2559.
Stddev	6.	14.	6.	4.	1.	4.
%RSD	.2306	.5272	.2266	.1742	.0717	.1658

#1	2507.	2609.	2525.	2518.	1050.	2563.
#2	2495.	2593.	2520.	2511.	1050.	2559.
#3	2499.	2582.	2513.	2510.	1048.	2554.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1010.	5056.	10060.	10320.
Stddev	1.	18.	31.	68.
%RSD	.1143	.3604	.3121	.6612

#1	1011.	5052.	10030.	10250.
#2	1009.	5076.	10090.	10310.
#3	1011.	5040.	10040.	10390.

Check ?	Chk Pass	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	2335.8	25525.	4046.6
Stddev	9.0	166.	27.9
%RSD	.38545	.65157	.69047

#1	2326.1	25385.	4035.9
#2	2337.3	25481.	4025.5
#3	2344.0	25709.	4078.3

Sample Name: CCB Acquired: 6/28/2012 22:50:21 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.448	.2200	-.3486	.7019	-.0036	36.92
Stddev	11.67	1.712	.4000	.5245	.2483	23.12
%RSD	123.5	778.1	114.7	74.73	6956.	62.62
#1	10.42	-.8898	-.4440	1.246	.2823	63.37
#2	-2.678	-.6414	.0905	.6614	-.1664	20.57
#3	20.60	2.191	-.6924	.1988	-.1266	26.82

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	.1422	.2318	.8421	6.458	27.82	271.2
Stddev	.0363	.0878	.4708	2.258	15.75	98.0
%RSD	25.51	37.87	55.90	34.97	56.62	36.14
#1	.1835	.2831	1.337	7.973	36.58	380.5
#2	.1273	.1304	.3993	7.539	37.25	242.2
#3	.1157	.2818	.7905	3.863	9.639	191.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.11	.4416	36.00	.1192	1.257	-.1098
Stddev	10.50	.3716	29.23	.3098	.530	1.075
%RSD	74.38	84.16	81.19	259.9	42.19	979.1
#1	26.23	.8465	65.42	.4631	1.867	.4180
#2	8.243	.3621	35.61	.0327	.9962	.5991
#3	7.866	.1161	6.965	-.1382	.9074	-1.346

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 6/28/2012 22:50:21 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4029	-.3625	.0765	.0126	1.544	3.043
Stddev	1.332	1.236	.3786	.1855	.510	.421
%RSD	330.5	340.9	494.9	1469.	33.04	13.83
#1	-.9032	.4760	.5110	.1137	1.285	3.335
#2	.3530	-1.782	-.0982	.1257	2.131	3.233
#3	1.759	.2182	-.1832	-.2015	1.215	2.561

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.263	.6796	.0345	9.412
Stddev	.719	.5591	1.123	19.36
%RSD	56.90	82.26	3257.	205.7
#1	1.109	1.320	1.211	-4.717
#2	2.045	.4317	-1.026	1.468
#3	.6335	.2875	-.0819	31.49

Check ?	Chk Pass	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	2521.2	28049.	4140.2
Stddev	2.5	113.	18.2
%RSD	.09723	.40244	.43841
#1	2518.4	28151.	4128.2
#2	2522.6	27928.	4131.4
#3	2522.7	28070.	4161.1

Sample Name: mb 460-117773/1-a@2 Acquired: 6/28/2012 22:54:07 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.105	-2.419	-.4696	.0862	-.2533	45.36
Stddev	13.30	1.181	.6383	.0706	.1204	1.62
%RSD	146.1	48.84	135.9	81.90	47.51	3.572

#1	21.15	-1.236	-.7151	.0117	-.2393	47.23
#2	-5.165	-2.422	.2550	.1522	-.3801	44.37
#3	11.33	-3.598	-.9488	.0947	-.1406	44.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0454	-.1030	-.1988	3.641	16.24	188.6
Stddev	.0677	.2706	.1761	3.839	4.67	6.7
%RSD	148.9	262.7	88.58	105.4	28.76	3.552

#1	-.0730	-.4144	.0029	5.371	11.03	196.3
#2	.0316	.0750	-.2771	6.311	17.65	183.8
#3	-.0950	.0304	-.3223	-.7582	20.05	185.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.633	-.0276	8.711	-.3260	.2250	1.597
Stddev	.562	.0943	17.28	.4543	.4468	2.025
%RSD	15.46	341.5	198.4	139.4	198.6	126.8

#1	4.103	-.1328	14.20	.1142	.5374	3.598
#2	3.011	.0493	-10.65	-.2991	.4244	1.644
#3	3.784	.0007	22.59	-.7933	-.2868	-.4513

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-117773/1-a@2 Acquired: 6/28/2012 22:54:07 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2670	-.0328	-.1574	.0942	2.606	.9764
Stddev	1.078	.2039	.3344	.0796	.768	.3246
%RSD	403.8	622.1	212.5	84.58	29.47	33.24
#1	-.4698	-.0856	-.5403	.0031	3.426	1.307
#2	.8981	.1923	.0765	.1510	1.904	.6578
#3	-1.229	-.2050	-.0082	.1283	2.489	.9647

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3146	.2221	-.3966	20.87
Stddev	.7299	.0287	1.166	6.60
%RSD	232.0	12.92	294.1	31.64
#1	.0638	.2065	-1.713	28.11
#2	1.137	.2552	.5093	19.34
#3	-.2568	.2045	.0135	15.17

Check ? **Chk Pass** **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	2441.1	27434.	3993.2
Stddev	17.4	88.	58.7
%RSD	.71305	.31949	1.4712
#1	2421.4	27500.	4056.6
#2	2447.6	27335.	3940.6
#3	2454.3	27469.	3982.4

Sample Name: 460-41546-a-5-d@4 Acquired: 6/28/2012 22:57:52 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33050.	5.908	-5608	302.7	.2671	13650.
Stddev	138.	.437	.6594	1.6	.0432	47.
%RSD	.4168	7.398	117.6	.5415	16.17	.3409

#1	33140.	6.279	.1934	304.5	.2673	13610.
#2	33120.	5.426	-1.029	302.1	.2238	13640.
#3	32890.	6.017	-.8472	301.4	.3102	13700.

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	.5070	30.46	80.89	74.46	66940.	9913.
Stddev	.0411	.17	1.01	.83	319.	89.
%RSD	8.115	.5423	1.248	1.120	.4758	.8934

#1	.5443	30.37	82.01	75.28	67280.	9857.
#2	.5137	30.36	80.62	73.61	66900.	9866.
#3	.4629	30.65	80.05	74.49	66640.	10010.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18410.	966.9	322.4	67.15	19.57	-2.876
Stddev	141.	.6	17.1	.74	.53	.516
%RSD	.7670	.0642	5.290	1.104	2.691	17.93

#1	18530.	967.1	340.1	67.98	18.99	-3.395
#2	18460.	967.4	306.0	66.93	20.03	-2.363
#3	18260.	966.2	321.2	66.55	19.69	-2.871

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-5-d@4 Acquired: 6/28/2012 22:57:52 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.093	1.213	101.3	137.1	3.740	-.0246
Stddev	.689	2.673	.4	.5	.574	.2455
%RSD	32.93	220.2	.4252	.3854	15.35	999.6
#1	2.697	2.946	100.9	137.6	4.267	-.1638
#2	2.241	2.559	101.7	137.1	3.128	.2589
#3	1.342	-1.864	101.2	136.5	3.825	-.1688

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8917	36.39	3262.	987.5
Stddev	.4686	.03	3.	20.5
%RSD	52.56	.0871	.0992	2.077
#1	1.426	36.42	3261.	968.2
#2	.5497	36.37	3265.	985.3
#3	.6995	36.38	3259.	1009.

Check ? Chk Pass 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	2551.0	28242.	4225.0
Stddev	3.9	26.	14.8
%RSD	.15201	.09129	.34920
#1	2555.1	28229.	4238.0
#2	2547.5	28272.	4209.0
#3	2550.4	28226.	4227.9

Sample Name: 460-41546-a-6-b@4 Acquired: 6/28/2012 23:01:28 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39280.	8.090	-.2822	324.3	.3737	7503.
Stddev	75.	2.150	.3063	1.5	.0640	9.
%RSD	.1905	26.58	108.6	.4518	17.13	.1242

#1	39350.	5.625	-.4476	325.3	.3281	7492.
#2	39290.	9.065	-.4702	324.9	.3462	7509.
#3	39200.	9.580	.0713	322.6	.4469	7506.

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	.7069	32.99	82.51	80.53	67350.	9768.
Stddev	.1012	.15	.37	1.69	179.	98.
%RSD	14.31	.4450	.4512	2.094	.2654	1.005

#1	.5935	33.16	82.30	79.27	67460.	9871.
#2	.7392	32.87	82.29	79.87	67460.	9757.
#3	.7880	32.95	82.94	82.45	67150.	9676.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19200.	1302.	260.2	70.15	25.92	-2.117
Stddev	37.	5.	3.3	.55	1.09	1.618
%RSD	.1914	.3489	1.271	.7875	4.184	76.43

#1	19230.	1305.	263.1	70.48	25.85	-2.375
#2	19190.	1305.	260.8	70.45	27.03	-.3859
#3	19160.	1297.	256.6	69.51	24.87	-3.591

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-6-b@4 Acquired: 6/28/2012 23:01:28 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2017	-1.817	107.1	178.5	3.409	.7868
Stddev	1.323	2.370	.4	.6	.112	.1566
%RSD	656.1	130.4	.3728	.3345	3.274	19.90
#1	-1.034	-.0981	106.7	179.0	3.529	.6152
#2	1.324	-4.520	107.2	178.7	3.307	.9219
#3	-.8954	-.8324	107.4	177.9	3.393	.8234

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7399	39.97	3647.	1009.
Stddev	.7494	.11	7.	12.
%RSD	101.3	.2686	.1918	1.193
#1	.3930	40.05	3655.	997.8
#2	1.600	40.00	3643.	1009.
#3	.2266	39.84	3642.	1022.

Check ? Chk Pass 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	2542.3	27981.	4158.0
Stddev	11.9	88.	29.0
%RSD	.46777	.31377	.69691
#1	2529.8	27921.	4129.2
#2	2543.7	27940.	4157.6
#3	2553.5	28082.	4187.1

Sample Name: 460-41546-a-7-b@4 Acquired: 6/28/2012 23:05:03 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53670.	8.287	-1567	397.2	.6932	9090.
Stddev	162.	.736	.9249	.7	.0982	31.
%RSD	.3022	8.883	590.4	.1816	14.16	.3369

#1	53520.	8.250	.7531	397.3	.6767	9077.
#2	53840.	7.570	-.1270	398.0	.7986	9125.
#3	53660.	9.040	-1.096	396.5	.6044	9068.

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	.7928	30.73	114.5	56.64	78880.	4044.
Stddev	.0254	.12	.6	6.85	56.	84.
%RSD	3.210	.4049	.4865	12.09	.0710	2.078

#1	.8204	30.87	114.1	63.40	78820.	4105.
#2	.7876	30.67	114.4	49.71	78880.	4079.
#3	.7703	30.64	115.1	56.82	78930.	3948.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16660.	1431.	189.9	66.24	41.05	1.904
Stddev	71.	.	3.7	.27	.30	2.306
%RSD	.4256	.0226	1.974	.4113	.7188	121.1

#1	16590.	1432.	192.6	66.56	40.89	4.496
#2	16650.	1431.	185.6	66.10	40.87	.0801
#3	16730.	1431.	191.5	66.07	41.39	1.136

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-7-b@4 Acquired: 6/28/2012 23:05:03 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.616	.8650	153.7	178.2	5.112	2.288
Stddev	.516	1.602	.6	.4	.914	.293
%RSD	14.26	185.2	.3951	.2391	17.88	12.81
#1	3.418	2.407	153.4	178.1	6.126	2.002
#2	4.202	.9798	154.4	178.7	4.858	2.588
#3	3.230	-.7916	153.3	177.9	4.352	2.274

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.489	46.57	4033.	1510.
Stddev	.998	.09	10.	17.
%RSD	67.03	.2029	.2451	1.108
#1	.8133	46.50	4023.	1511.
#2	1.018	46.67	4032.	1494.
#3	2.635	46.52	4043.	1527.

Check ? Chk Pass 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	2593.3	28510.	4273.8
Stddev	8.5	109.	8.0
%RSD	.32781	.38064	.18834
#1	2585.7	28477.	4280.3
#2	2591.7	28631.	4264.8
#3	2602.5	28421.	4276.3

Sample Name: 460-41546-a-8-b@4 Acquired: 6/28/2012 23:08:39 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63970.	11.93	.3439	473.4	.7544	9506.
Stddev	40.	2.05	.5578	.6	.0722	8.
%RSD	.0621	17.18	162.2	.1321	9.575	.0790

#1	63960.	9.989	.9133	473.7	.8180	9505.
#2	63940.	11.72	.3197	472.6	.7695	9514.
#3	64020.	14.07	-.2014	473.8	.6758	9499.

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	.7653	51.55	137.9	77.67	95150.	7406.
Stddev	.0490	.42	.2	1.53	227.	71.
%RSD	6.398	.8061	.1524	1.967	.2390	.9576

#1	.7322	51.47	138.0	77.55	95290.	7328.
#2	.8215	52.00	138.0	79.25	95280.	7466.
#3	.7422	51.19	137.6	76.20	94890.	7423.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23630.	1116.	211.4	93.87	35.16	-2.668
Stddev	60.	4.	19.0	.49	.92	1.989
%RSD	.2536	.3482	8.980	.5194	2.623	74.58

#1	23660.	1118.	232.7	94.28	36.22	-4.746
#2	23670.	1118.	205.2	94.00	34.52	-.7812
#3	23560.	1111.	196.2	93.33	34.75	-2.476

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-8-b@4 Acquired: 6/28/2012 23:08:39 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.050	.3703	186.3	275.0	5.474	2.064
Stddev	.533	1.999	1.4	.5	.850	.333
%RSD	17.48	540.0	.7303	.1745	15.53	16.15
#1	2.685	2.538	186.3	275.4	4.513	1.742
#2	3.662	-1.401	187.6	275.0	6.124	2.408
#3	2.803	-.0257	184.9	274.4	5.787	2.041

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7853	52.50	5353.	1305.
Stddev	2.277	.21	19.	10.
%RSD	289.9	.4009	.3526	.7872
#1	-1.525	52.41	5349.	1295.
#2	.8531	52.74	5337.	1306.
#3	3.028	52.35	5374.	1315.

Check ? Chk Pass 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	2619.9	28660.	4342.8
Stddev	4.0	139.	8.0
%RSD	.15291	.48604	.18346
#1	2616.7	28499.	4333.6
#2	2618.5	28729.	4347.0
#3	2624.4	28751.	4347.7

Sample Name: 460-41546-a-9-b@4 Acquired: 6/28/2012 23:12:13 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40230.	10.60	-6129	244.0	.7283	7268.
Stddev	152.	.31	.6238	.8	.0109	32.
%RSD	.3782	2.901	101.8	.3373	1.493	.4334
#1	40320.	10.25	-1.220	244.6	.7196	7263.
#2	40310.	10.84	.0266	244.3	.7248	7301.
#3	40050.	10.70	-.6455	243.1	.7405	7239.

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	.4990	28.47	70.11	61.03	60290.	5209.
Stddev	.1234	.16	.49	4.57	113.	17.
%RSD	24.72	.5634	.7051	7.493	.1881	.3249
#1	.6374	28.65	70.68	64.20	60410.	5227.
#2	.4006	28.38	69.79	55.79	60280.	5195.
#3	.4590	28.37	69.86	63.10	60190.	5204.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13280.	1099.	188.6	60.29	27.17	-.3427
Stddev	30.	4.	10.2	.57	.90	.4515
%RSD	.2274	.3563	5.412	.9447	3.310	131.7
#1	13310.	1102.	178.1	60.36	27.85	-.3335
#2	13280.	1099.	198.4	60.82	27.52	.1041
#3	13250.	1094.	189.2	59.69	26.15	-.7988

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41546-a-9-b@4 Acquired: 6/28/2012 23:12:13 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.877	1.302	87.64	133.8	5.109	.4486
Stddev	1.739	.648	1.08	.4	.429	.1704
%RSD	92.69	49.78	1.227	.2685	8.390	37.98
#1	.8366	1.417	88.09	134.2	4.731	.5646
#2	3.885	1.886	88.42	133.6	5.575	.5281
#3	.9084	.6043	86.41	133.6	5.021	.2530

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.717	31.55	2378.	1121.
Stddev	.501	.21	5.	20.
%RSD	29.15	.6554	.2107	1.740
#1	2.288	31.78	2382.	1128.
#2	1.353	31.48	2378.	1100.
#3	1.510	31.38	2372.	1137.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2559.2	28196.	4237.8
Stddev	5.1	129.	18.8
%RSD	.20103	.45585	.44315
#1	2553.4	28047.	4218.5
#2	2561.0	28268.	4238.8
#3	2563.2	28272.	4256.1

Sample Name: 460-41546-a-10-b@4 Acquired: 6/28/2012 23:15:48 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23880.	5.727	15.49	335.2	.3211	6145.
Stddev	46.	1.130	.59	.5	.0582	21.
%RSD	.1942	19.72	3.799	.1349	18.14	.3350

#1	23890.	5.724	14.83	335.5	.2577	6161.
#2	23930.	6.859	15.69	335.4	.3333	6152.
#3	23840.	4.599	15.95	334.7	.3722	6121.

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	20.64	59.68	139.5	56080.	6111.
Stddev	.015	.12	.20	1.2	34.	42.
%RSD	1.479	.5681	.3321	.8780	.0602	.6860

#1	1.006	20.51	59.49	139.8	56100.	6138.
#2	1.036	20.66	59.65	140.6	56100.	6133.
#3	1.021	20.74	59.89	138.2	56040.	6063.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11350.	517.5	181.4	44.35	177.4	.8375
Stddev	28.	.7	13.2	.43	.8	1.235
%RSD	.2470	.1296	7.257	.9685	.4544	147.4

#1	11310.	516.7	173.0	44.19	176.5	1.246
#2	11360.	517.8	174.5	44.83	177.5	1.817
#3	11360.	517.9	196.5	44.02	178.1	-.5497

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-10-b@4 Acquired: 6/28/2012 23:15:48 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.154	-.5323	74.20	307.2	2.920	-.1665
Stddev	1.790	1.866	.57	.2	.963	.5393
%RSD	155.1	350.7	.7658	.0605	32.96	324.0
#1	.0876	-1.759	73.61	307.4	3.792	-.7469
#2	.1535	-1.453	74.26	307.1	1.887	.3191
#3	3.221	1.616	74.74	307.1	3.082	-.0716

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	55.63	35.41	1814.	820.3
Stddev	.70	.16	3.	7.6
%RSD	1.256	.4584	.1418	.9289
#1	55.38	35.59	1812.	813.0
#2	56.42	35.33	1817.	828.2
#3	55.09	35.30	1813.	819.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2527.4	28005.	4159.4
Stddev	9.7	36.	30.6
%RSD	.38526	.12920	.73592
#1	2516.5	28031.	4131.4
#2	2530.6	27964.	4154.6
#3	2535.1	28020.	4192.1

Sample Name: 460-41546-a-11-b@4 Acquired: 6/28/2012 23:19:24 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	77780.	12.37	-6260	506.5	1.821	7381.
Stddev	51.	.54	.6670	.7	.126	41.
%RSD	.0653	4.361	106.5	.1287	6.919	.5612

#1	77740.	11.96	-1.248	505.8	1.886	7429.
#2	77840.	12.98	-.7079	507.0	1.901	7359.
#3	77770.	12.16	.0781	506.7	1.676	7354.

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	.5248	38.32	157.4	46.13	115700.	2020.
Stddev	.0789	.25	.6	.49	72.	65.
%RSD	15.03	.6409	.4060	1.058	.0625	3.217

#1	.4733	38.31	157.5	45.73	115800.	1987.
#2	.4856	38.56	158.0	46.67	115700.	2094.
#3	.6157	38.07	156.8	45.97	115700.	1977.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16670.	1391.	89.62	81.47	40.38	-1.363
Stddev	29.	2.	10.89	.19	1.17	.976
%RSD	.1720	.1328	12.16	.2385	2.889	71.62

#1	16640.	1390.	97.53	81.68	41.71	-.2556
#2	16700.	1393.	94.13	81.42	39.90	-1.734
#3	16670.	1389.	77.19	81.30	39.53	-2.099

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-11-b@4 Acquired: 6/28/2012 23:19:24 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.369	-1.619	237.7	251.8	6.157	6.861
Stddev	.784	1.264	.1	.7	.207	.281
%RSD	14.61	78.03	.0580	.2630	3.365	4.101
#1	5.936	-.2974	237.7	252.5	6.146	6.888
#2	4.474	-2.815	237.8	251.2	5.956	7.128
#3	5.697	-1.745	237.6	251.7	6.370	6.568

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.013	45.58	4072.	1481.
Stddev	.521	.06	9.	17.
%RSD	25.88	.1290	.2256	1.133
#1	1.665	45.54	4062.	1490.
#2	2.611	45.56	4074.	1491.
#3	1.761	45.65	4080.	1462.

Check ? Chk Pass 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	2619.3	28615.	4340.8
Stddev	15.7	18.	11.1
%RSD	.59808	.06336	.25589
#1	2601.2	28594.	4334.6
#2	2627.4	28625.	4353.7
#3	2629.2	28625.	4334.3

Sample Name: 460-41546-a-12-b@4 Acquired: 6/28/2012 23:22:57 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22320.	4.176	-8.163	185.4	.3502	7713.
Stddev	111.	3.030	.5110	.5	.0976	43.
%RSD	.4978	72.56	62.60	.2925	27.86	.5586

#1	22370.	4.719	-1.245	185.6	.4560	7731.
#2	22400.	.9108	-.2508	185.9	.2638	7743.
#3	22190.	6.897	-.9531	184.8	.3307	7663.

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	20.00	54.40	40.47	35730.	4491.
Stddev	.1690	.17	.44	.79	94.	63.
%RSD	80.63	.8573	.8144	1.957	.2625	1.406

#1	.2530	20.16	54.20	41.19	35710.	4499.
#2	.0231	20.02	54.90	40.59	35840.	4550.
#3	.3526	19.82	54.08	39.62	35650.	4424.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10090.	384.6	216.7	38.56	13.25	-.9746
Stddev	15.	.7	10.1	.23	1.16	.8627
%RSD	.1523	.1816	4.641	.6076	8.727	88.52

#1	10110.	384.9	220.8	38.68	12.10	-.7971
#2	10090.	385.0	224.1	38.72	13.22	-1.912
#3	10080.	383.8	205.3	38.29	14.42	-.2144

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-12-b@4 Acquired: 6/28/2012 23:22:57 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3277	.9780	75.37	96.18	4.122	-.2783
Stddev	1.055	.0464	.25	.57	.782	.3586
%RSD	321.8	4.748	.3283	.5915	18.97	128.9
#1	.7329	.9930	75.62	96.58	5.022	-.1112
#2	-.8696	1.015	75.37	96.43	3.612	-.6899
#3	1.120	.9260	75.13	95.53	3.732	-.0338

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4536	24.66	1915.	896.1
Stddev	.4537	.11	4.	21.7
%RSD	100.0	.4561	.1919	2.417
#1	.3645	24.79	1918.	885.6
#2	.9452	24.61	1916.	881.8
#3	.0511	24.59	1911.	921.1

Check ? Chk Pass 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	2551.0	28298.	4232.6
Stddev	2.9	55.	17.9
%RSD	.11532	.19414	.42341
#1	2552.0	28254.	4212.0
#2	2553.4	28359.	4241.1
#3	2547.7	28280.	4244.7

Sample Name: 460-41546-a-13-b@4 Acquired: 6/28/2012 23:26:35 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33210.	8.171	-4579	292.1	.1287	14120.
Stddev	86.	2.421	.3853	1.3	.1647	16.
%RSD	.2579	29.63	84.14	.4354	128.0	.1153

#1	33220.	10.24	-.7981	293.2	.3156	14110.
#2	33290.	8.759	-.5362	292.4	.0047	14120.
#3	33120.	5.510	-.0395	290.7	.0657	14140.

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	.4830	29.99	77.27	76.79	66340.	8666.
Stddev	.0312	.20	.12	7.34	219.	36.
%RSD	6.462	.6549	.1588	9.565	.3293	.4137

#1	.4703	29.82	77.41	71.47	66560.	8669.
#2	.5185	30.21	77.21	85.17	66340.	8629.
#3	.4601	29.93	77.19	73.72	66120.	8700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18480.	952.9	268.8	63.77	21.36	-.5363
Stddev	51.	1.8	4.0	.38	1.14	.4261
%RSD	.2756	.1898	1.505	.6003	5.350	79.45

#1	18530.	953.8	272.9	63.71	20.39	-.0457
#2	18500.	954.1	264.8	64.18	21.06	-.8139
#3	18430.	950.8	268.6	63.42	22.62	-.7493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-13-b@4 Acquired: 6/28/2012 23:26:35 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.308	.6681	101.8	129.6	2.056	-.0433
Stddev	1.943	1.056	.5	.5	.433	.2396
%RSD	148.5	158.0	.5330	.3933	21.07	552.8
#1	-.9346	1.328	101.6	129.9	2.552	-.3168
#2	2.371	1.226	102.4	130.0	1.751	.0568
#3	2.489	-.5493	101.4	129.1	1.865	.1300

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.207	37.82	3230.	999.1
Stddev	.610	.15	5.	3.3
%RSD	50.52	.4019	.1496	.3290
#1	.8739	37.98	3233.	1002.
#2	1.911	37.80	3231.	999.5
#3	.8365	37.67	3224.	995.6

Check ? **Chk Pass** **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	2575.7	28475.	4274.3
Stddev	9.7	122.	19.3
%RSD	.37468	.42843	.45106
#1	2566.8	28336.	4263.3
#2	2574.3	28526.	4263.1
#3	2585.9	28564.	4296.6

Sample Name: CCV Acquired: 6/28/2012 23:30:15 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125200.	2507.	1258.	10160.	994.7	125100.
Stddev	171.	15.	4.	25.	3.7	373.
%RSD	.1368	.6081	.3205	.2435	.3690	.2981

#1	125400.	2525.	1262.	10190.	990.7	124900.
#2	125300.	2500.	1255.	10150.	995.4	124900.
#3	125000.	2497.	1256.	10140.	998.0	125500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1273.	2520.	5083.	12420.	100900.	49010.
Stddev	3.	6.	23.	74.	357.	167.
%RSD	.2731	.2253	.4431	.5971	.3532	.3398

#1	1277.	2526.	5109.	12350.	101300.	48910.
#2	1271.	2515.	5075.	12390.	100700.	48920.
#3	1271.	2517.	5066.	12500.	100800.	49200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124600.	5136.	123700.	2550.	7651.	1021.
Stddev	506.	13.	143.	6.	23.	11.
%RSD	.4060	.2558	.1158	.2437	.2941	1.033

#1	125100.	5144.	123800.	2558.	7676.	1033.
#2	124500.	5121.	123700.	2547.	7639.	1018.
#3	124200.	5143.	123500.	2547.	7636.	1012.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/28/2012 23:30:15 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2481.	2575.	2511.	2501.	1045.	2542.
Stddev	10.	12.	6.	6.	2.	6.
%RSD	.4116	.4524	.2339	.2592	.1831	.2335

#1	2492.	2585.	2517.	2508.	1045.	2548.
#2	2476.	2578.	2506.	2497.	1046.	2540.
#3	2474.	2563.	2511.	2498.	1042.	2537.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1007.	5077.	10030.	10300.
Stddev	1.	15.	21.	63.
%RSD	.1436	.3038	.2074	.6081

#1	1009.	5066.	10050.	10280.
#2	1006.	5072.	10040.	10240.
#3	1006.	5095.	10010.	10370.

Check ?	Chk Pass	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	2322.6	25432.	4009.0
Stddev	3.2	133.	14.2
%RSD	.13895	.52294	.35473

#1	2321.0	25279.	4006.4
#2	2326.3	25525.	3996.2
#3	2320.5	25491.	4024.3

Sample Name: CCB Acquired: 6/28/2012 23:33:35 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.50	.8540	-.5712	.5761	-.1216	36.51
Stddev	20.40	1.739	.5099	.5153	.1773	17.81
%RSD	194.3	203.6	89.27	89.44	145.8	48.79

#1	33.89	2.819	.0028	1.154	.0177	51.82
#2	1.214	.2264	-.9718	.4116	-.0614	16.96
#3	-3.603	-.4837	-.7445	.1632	-.3212	40.75

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	.1341	.1946	.7362	10.55	6.764	192.3
Stddev	.1074	.1793	.3205	2.62	4.546	66.0
%RSD	80.12	92.13	43.54	24.86	67.20	34.30

#1	.1805	.0369	.9445	13.24	9.433	201.2
#2	.2105	.1572	.8969	8.002	1.516	253.5
#3	.0112	.3896	.3671	10.42	9.345	122.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.850	.3529	29.15	.3386	.6682	.2092
Stddev	5.625	.3971	21.71	.0986	.5759	1.327
%RSD	63.56	112.5	74.48	29.11	86.19	634.4

#1	14.98	.8106	52.74	.4517	1.331	1.225
#2	7.648	.1479	24.68	.2707	.3833	.6944
#3	3.923	.1000	10.02	.2934	.2903	-1.292

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/28/2012 23:33:35 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5991	2.149	.0571	-.0056	1.150	3.167
Stddev	1.439	2.721	.2402	.1337	1.256	.352
%RSD	240.2	126.6	420.9	2367.	109.3	11.12

#1	.1112	5.193	-.1914	.1305	2.248	3.540
#2	-2.255	1.301	.0747	-.1368	1.422	3.121
#3	.3464	-.0468	.2879	-.0107	-.2203	2.840

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7209	.6067	3.198	14.04
Stddev	.6585	.4504	.522	7.25
%RSD	91.35	74.24	16.34	51.61

#1	1.437	1.092	3.274	19.73
#2	.5842	.5260	3.678	5.881
#3	.1415	.2021	2.642	16.52

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2503.0	27874.	4040.8
Stddev	3.7	134.	3.9
%RSD	.14829	.48149	.09721

#1	2498.8	27905.	4041.7
#2	2504.5	27727.	4036.6
#3	2505.8	27991.	4044.3

Sample Name: 460-41546-a-14-b@4 Acquired: 6/28/2012 23:37:22 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45980.	6.339	8.899	464.3	.5633	10510.
Stddev	176.	.727	.765	1.8	.0742	67.
%RSD	.3835	11.47	8.593	.3940	13.17	.6357

#1	46190.	5.868	9.690	466.3	.6488	10580.
#2	45900.	5.972	8.163	462.8	.5158	10450.
#3	45870.	7.176	8.844	463.7	.5254	10490.

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	1.237	26.61	115.7	401.2	71930.	5616.
Stddev	.150	.31	.5	5.0	216.	40.
%RSD	12.12	1.182	.4127	1.253	.3001	.7190

#1	1.246	26.51	116.2	406.4	72130.	5572.
#2	1.083	26.97	115.2	400.7	71960.	5623.
#3	1.382	26.36	115.9	396.4	71700.	5652.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17620.	697.9	220.7	69.02	230.8	-1.389
Stddev	25.	2.9	7.1	.72	1.5	1.078
%RSD	.1402	.4107	3.233	1.042	.6533	77.62

#1	17640.	700.0	215.0	69.36	231.7	-2.073
#2	17630.	699.0	218.3	69.50	229.1	-.1461
#3	17590.	694.6	228.7	68.19	231.6	-1.949

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-14-b@4 Acquired: 6/28/2012 23:37:22 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.493	.8642	122.7	498.9	3.937	1.400
Stddev	1.707	.6041	1.0	.8	.811	.173
%RSD	114.3	69.91	.8297	.1665	20.60	12.35
#1	1.270	1.359	123.5	499.8	4.719	1.211
#2	3.300	1.043	123.1	498.7	3.993	1.551
#3	-.0915	.1908	121.6	498.2	3.100	1.437

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	42.40	48.58	3796.	1385.
Stddev	.83	.31	17.	23.
%RSD	1.954	.6380	.4357	1.649
#1	41.99	48.75	3815.	1407.
#2	43.35	48.77	3789.	1361.
#3	41.85	48.22	3785.	1387.

Check ? Chk Pass 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	2551.5	28247.	4217.7
Stddev	4.0	125.	25.3
%RSD	.15783	.44373	.60008
#1	2547.1	28130.	4189.0
#2	2555.0	28232.	4227.3
#3	2552.4	28380.	4236.9

Sample Name: 460-41546-a-15-b@4 Acquired: 6/28/2012 23:40:57 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47110.	11.31	16.79	657.7	.6909	10220.
Stddev	50.	2.39	.30	4.0	.1957	47.
%RSD	.1051	21.11	1.782	.6093	28.33	.4642

#1	47160.	14.05	17.05	658.5	.9086	10210.
#2	47100.	9.648	16.86	661.2	.6346	10280.
#3	47070.	10.24	16.46	653.3	.5295	10180.

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	2.814	29.04	126.8	1025.	79210.	8014.
Stddev	.032	.48	.3	3.	47.	51.
%RSD	1.141	1.646	.2045	.2993	.0594	.6373

#1	2.780	29.58	126.7	1028.	79220.	8026.
#2	2.820	28.87	127.1	1024.	79260.	8057.
#3	2.844	28.67	126.7	1022.	79160.	7957.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19960.	745.4	255.8	79.66	524.9	-1.156
Stddev	13.	1.2	3.0	.92	1.0	2.021
%RSD	.0629	.1616	1.190	1.154	.1848	174.8

#1	19970.	746.3	253.8	80.18	526.0	-2.544
#2	19940.	746.0	254.3	80.19	524.7	-2.087
#3	19960.	744.0	259.3	78.59	524.0	1.162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-15-b@4 Acquired: 6/28/2012 23:40:57 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.339	-9893	130.0	975.9	5.431	1.830
Stddev	1.875	3.104	.2	5.0	.653	.146
%RSD	56.16	313.8	.1481	.5132	12.02	7.960
#1	5.142	1.301	129.9	979.3	6.174	1.663
#2	1.399	-4.522	130.2	978.2	4.950	1.894
#3	3.477	.2534	129.9	970.1	5.170	1.932

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	94.87	57.84	3546.	1281.
Stddev	.88	.09	14.	16.
%RSD	.9226	.1588	.3887	1.241
#1	95.61	57.93	3547.	1271.
#2	95.10	57.84	3559.	1299.
#3	93.90	57.74	3531.	1272.

Check ? Chk Pass 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	2562.1	28269.	4242.6
Stddev	6.4	18.	28.5
%RSD	.25159	.06269	.67177
#1	2554.7	28249.	4210.9
#2	2566.8	28278.	4266.1
#3	2564.7	28282.	4250.9

Sample Name: 460-41546-a-16-b@4 Acquired: 6/28/2012 23:44:29 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23630.	6.838	8.407	403.6	.2981	7834.
Stddev	69.	.462	.783	1.3	.1854	29.
%RSD	.2910	6.750	9.317	.3167	62.20	.3708

#1	23650.	6.429	8.483	403.2	.0840	7867.
#2	23680.	6.746	7.588	405.0	.4009	7811.
#3	23550.	7.339	9.149	402.5	.4093	7824.

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	1.767	16.23	69.53	962.1	48060.	6148.
Stddev	.055	.07	.14	11.2	59.	73.
%RSD	3.082	.4417	.2030	1.158	.1236	1.182

#1	1.707	16.27	69.36	964.5	48100.	6199.
#2	1.814	16.15	69.60	971.9	48080.	6181.
#3	1.779	16.27	69.62	950.0	47990.	6065.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11920.	459.7	166.6	45.19	284.2	-.6731
Stddev	9.	.9	14.2	.58	.7	1.463
%RSD	.0722	.1961	8.529	1.286	.2357	217.4

#1	11930.	460.0	161.9	45.16	285.0	.9042
#2	11910.	460.4	155.4	45.79	284.0	-1.986
#3	11930.	458.7	182.6	44.63	283.7	-.9373

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-16-b@4 Acquired: 6/28/2012 23:44:29 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.289	.1996	70.28	523.1	3.174	.1840
Stddev	3.350	1.997	.23	1.9	.543	.0985
%RSD	259.8	1001.	.3324	.3665	17.11	53.52
#1	3.057	.4672	70.43	522.5	2.812	.2595
#2	-2.574	-1.917	70.39	525.3	3.799	.0726
#3	3.385	2.049	70.01	521.6	2.912	.2200

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	60.28	35.49	1900.	864.6
Stddev	.30	.28	9.	8.9
%RSD	.5054	.7821	.4599	1.029
#1	60.39	35.81	1910.	874.8
#2	60.52	35.36	1897.	860.6
#3	59.94	35.31	1893.	858.5

Check ? Chk Pass 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	2550.7	28356.	4245.8
Stddev	10.2	65.	25.9
%RSD	.40095	.22920	.61006
#1	2548.1	28291.	4221.8
#2	2542.1	28421.	4242.3
#3	2562.0	28354.	4273.3

Sample Name: 460-41546-d-17-e@4 Acquired: 6/28/2012 23:48:04 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38860.	10.46	12.98	581.6	.3044	8138.
Stddev	87.	.95	.35	1.1	.1547	34.
%RSD	.2232	9.098	2.683	.1841	50.81	.4232

#1	38920.	9.367	12.94	580.7	.2826	8171.
#2	38910.	11.09	13.34	582.8	.4689	8140.
#3	38760.	10.93	12.65	581.3	.1618	8102.

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	1.159	30.75	117.5	162.9	71000.	9309.
Stddev	.042	.16	.3	3.1	162.	67.
%RSD	3.636	.5246	.2873	1.875	.2286	.7235

#1	1.207	30.72	117.9	166.2	71180.	9357.
#2	1.141	30.60	117.4	162.4	70940.	9338.
#3	1.129	30.92	117.2	160.2	70880.	9232.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17610.	1032.	256.4	69.90	117.8	-1.174
Stddev	46.	3.	12.9	.38	.6	.659
%RSD	.2619	.2729	5.045	.5473	.5274	56.12

#1	17660.	1035.	271.2	69.51	117.5	-1.345
#2	17570.	1032.	250.8	69.91	117.5	-1.730
#3	17590.	1030.	247.3	70.28	118.6	-.4463

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-d-17-e@4 Acquired: 6/28/2012 23:48:04 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.271	.9458	105.8	204.1	2.345	.5682
Stddev	2.505	1.305	.4	.4	.736	.3665
%RSD	1103.	138.0	.3920	.1787	31.39	64.51
#1	-1.032	-.3685	106.0	204.1	2.481	.1919
#2	2.581	.9638	105.4	204.4	3.003	.5885
#3	-2.230	2.242	106.2	203.7	1.550	.9241

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	30.96	40.30	3381.	1002.
Stddev	1.17	.14	12.	21.
%RSD	3.776	.3503	.3409	2.046
#1	29.91	40.40	3377.	992.3
#2	30.76	40.13	3394.	1026.
#3	32.22	40.36	3372.	988.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2574.3	28471.	4286.1
Stddev	2.9	158.	25.4
%RSD	.11311	.55593	.59235
#1	2575.5	28291.	4256.9
#2	2576.5	28587.	4301.8
#3	2571.0	28535.	4299.8

Sample Name: 460-41546-d-18-e@4 Acquired: 6/28/2012 23:51:39 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53460.	8.958	.0920	630.8	.2519	10240.
Stddev	63.	2.663	.3002	.7	.0989	55.
%RSD	.1180	29.72	326.1	.1045	39.28	.5325

#1	53480.	6.757	.2431	631.4	.2128	10240.
#2	53390.	11.92	-.2537	631.0	.1785	10180.
#3	53510.	8.200	.2867	630.1	.3644	10290.

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	.7943	46.21	140.1	116.4	105000.	18750.
Stddev	.0867	.29	.5	.7	176.	78.
%RSD	10.92	.6170	.3860	.5952	.1676	.4146

#1	.8530	45.97	140.5	115.8	104900.	18730.
#2	.6947	46.14	140.3	117.2	105200.	18680.
#3	.8352	46.52	139.5	116.3	104800.	18830.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24650.	1380.	335.2	102.9	28.91	-1.414
Stddev	61.	2.	7.3	.0	.80	1.269
%RSD	.2492	.1298	2.167	.0331	2.753	89.73

#1	24660.	1378.	341.9	102.9	29.83	-1.392
#2	24700.	1382.	336.2	102.9	28.52	-2.694
#3	24580.	1380.	327.4	102.9	28.39	-.1564

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-d-18-e@4 Acquired: 6/28/2012 23:51:39 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3469	.2861	178.4	416.3	2.766	-.7099
Stddev	2.214	2.112	.5	1.7	.262	.2625
%RSD	638.4	738.3	.2543	.4161	9.459	36.98
#1	.4605	-.5737	178.9	418.2	2.695	-.4362
#2	-2.852	-1.261	178.0	416.1	2.546	-.9596
#3	1.351	2.693	178.4	414.7	3.055	-.7339

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5006	62.64	5809.	1121.
Stddev	.6996	.35	12.	10.
%RSD	139.8	.5535	.2002	.9118
#1	-.0185	62.24	5821.	1126.
#2	.2239	62.89	5798.	1128.
#3	1.296	62.79	5807.	1109.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2574.3	28458.	4305.1
Stddev	3.7	79.	24.6
%RSD	.14525	.27747	.57131
#1	2570.2	28375.	4307.3
#2	2577.5	28468.	4328.5
#3	2575.2	28532.	4279.4

Sample Name: 460-41546-d-19-e@4 Acquired: 6/28/2012 23:55:12 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31970.	8.723	-6327	205.6	.4427	7085.
Stddev	102.	1.927	.4922	1.0	.0540	44.
%RSD	.3189	22.10	77.80	.5031	12.20	.6245

#1	31910.	10.87	-4192	206.3	.4446	7048.
#2	32090.	7.153	-1.196	206.0	.3878	7134.
#3	31920.	8.142	-.2833	204.4	.4958	7074.

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	.4458	22.48	60.85	58.03	52760.	5532.
Stddev	.0182	.35	.59	1.74	174.	22.
%RSD	4.092	1.561	.9743	2.991	.3296	.3906

#1	.4392	22.80	61.50	56.18	52960.	5534.
#2	.4664	22.53	60.72	58.29	52680.	5552.
#3	.4317	22.11	60.33	59.62	52640.	5509.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12700.	714.7	195.1	52.38	19.73	-.8453
Stddev	48.	1.3	6.9	.58	.92	2.074
%RSD	.3816	.1816	3.552	1.116	4.645	245.4

#1	12750.	715.1	199.5	52.66	20.79	-.3942
#2	12670.	713.3	187.1	52.78	19.27	-3.108
#3	12670.	715.8	198.6	51.71	19.14	.9660

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-d-19-e@4 Acquired: 6/28/2012 23:55:12 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.016	-.5098	77.31	111.7	3.184	.1479
Stddev	.829	2.746	1.21	.3	.556	.1219
%RSD	41.13	538.6	1.561	.2710	17.47	82.46
#1	-1.189	-1.905	77.88	111.8	2.891	.2554
#2	-2.848	2.653	75.92	111.9	2.836	.0154
#3	-2.012	-2.278	78.11	111.3	3.826	.1728

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5375	29.00	2367.	857.1
Stddev	.3153	.10	6.	20.6
%RSD	58.66	.3447	.2422	2.410
#1	.1796	29.10	2367.	879.8
#2	.7744	28.99	2372.	839.4
#3	.6586	28.90	2361.	852.1

Check ? Chk Pass 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	2560.3	28331.	4223.7
Stddev	6.8	71.	9.8
%RSD	.26741	.25118	.23123
#1	2557.8	28249.	4233.6
#2	2555.0	28380.	4214.1
#3	2568.0	28362.	4223.2

Sample Name: 460-41546-d-20-e@4 Acquired: 6/28/2012 23:58:49 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20100.	5.871	7.792	252.5	.1269	6305.
Stddev	61.	.168	.120	.4	.1019	19.
%RSD	.3055	2.855	1.534	.1741	80.27	.3006

#1	20160.	6.041	7.729	253.0	.0325	6302.
#2	20100.	5.705	7.718	252.2	.1134	6325.
#3	20040.	5.867	7.930	252.3	.2349	6287.

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	2.453	13.62	53.53	109.9	38420.	5295.
Stddev	.013	.09	.52	5.5	92.	38.
%RSD	.5181	.6471	.9631	4.961	.2397	.7083

#1	2.445	13.52	52.98	105.7	38520.	5297.
#2	2.468	13.66	54.00	116.1	38360.	5331.
#3	2.447	13.68	53.62	107.9	38370.	5256.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10250.	342.0	252.6	40.27	109.6	.0007
Stddev	26.	.3	18.5	.16	1.5	2.791
%RSD	.2513	.0887	7.309	.3898	1.364	395400.

#1	10270.	342.2	233.7	40.45	111.3	-1.561
#2	10220.	342.2	270.6	40.15	108.6	-1.660
#3	10260.	341.7	253.4	40.21	109.0	3.223

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-d-20-e@4 Acquired: 6/28/2012 23:58:49 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2566	.8400	57.84	1450.	2.889	.0177
Stddev	4.149	1.208	.65	4.	.253	.2705
%RSD	1617.	143.8	1.122	.2705	8.756	1525.
#1	-4.769	-.5435	57.15	1454.	2.687	.3229
#2	3.998	1.381	58.44	1450.	2.807	-.1924
#3	-4.291	1.683	57.94	1446.	3.172	-.0773

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	21.16	45.77	1764.	649.2
Stddev	.93	.27	9.	28.9
%RSD	4.386	.5941	.4952	4.446
#1	21.24	46.07	1774.	622.9
#2	22.05	45.70	1762.	680.1
#3	20.20	45.54	1757.	644.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2545.2	28293.	4183.3
Stddev	7.0	112.	19.6
%RSD	.27560	.39495	.46947
#1	2537.1	28182.	4175.8
#2	2548.9	28405.	4168.5
#3	2549.5	28292.	4205.6

Sample Name: 460-41546-d-22-e@4 Acquired: 6/29/2012 0:02:25 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23260.	3.979	10.68	489.6	.2488	4507.
Stddev	56.	2.671	.23	2.1	.0623	19.
%RSD	.2397	67.13	2.189	.4256	25.06	.4276

#1	23290.	4.428	10.52	489.1	.2345	4527.
#2	23290.	1.112	10.94	491.9	.3170	4489.
#3	23190.	6.398	10.57	487.8	.1948	4507.

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	1.095	12.32	58.73	209.4	44430.	5130.
Stddev	.018	.31	.47	2.8	93.	40.
%RSD	1.626	2.499	.8002	1.325	.2102	.7882

#1	1.114	12.04	59.08	206.7	44510.	5091.
#2	1.092	12.27	58.91	212.2	44460.	5125.
#3	1.079	12.65	58.20	209.3	44330.	5172.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12910.	386.4	150.2	34.99	113.2	-.8357
Stddev	59.	1.7	9.4	.58	.8	1.526
%RSD	.4589	.4508	6.266	1.666	.6741	182.7

#1	12940.	388.0	140.1	35.66	114.0	.5985
#2	12950.	386.6	158.7	34.63	112.6	-.6654
#3	12840.	384.6	151.8	34.69	113.0	-2.440

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-d-22-e@4 Acquired: 6/29/2012 0:02:25 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.995	.7944	59.30	270.1	1.488	.2678
Stddev	.725	.8908	.54	.4	.509	.2346
%RSD	24.21	112.1	.9041	.1575	34.23	87.59
#1	3.501	1.459	59.09	270.6	1.060	.3983
#2	3.320	-.2179	59.91	269.8	1.352	-.0030
#3	2.165	1.143	58.91	269.8	2.051	.4082

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	38.15	30.97	1732.	803.8
Stddev	1.12	.43	6.	23.5
%RSD	2.935	1.396	.3398	2.928
#1	37.45	31.31	1730.	780.1
#2	37.56	31.13	1728.	827.1
#3	39.44	30.49	1739.	804.3

Check ? Chk Pass 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	2539.3	28149.	4189.0
Stddev	1.0	110.	3.5
%RSD	.03834	.38967	.08247
#1	2540.2	28049.	4188.1
#2	2538.3	28130.	4186.1
#3	2539.5	28266.	4192.8

Sample Name: 460-41546-d-23-e@4 Acquired: 6/29/2012 0:06:02 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60090.	8.755	.1294	704.1	.3207	10770.
Stddev	108.	.715	.2279	.8	.1524	58.
%RSD	.1803	8.169	176.2	.1202	47.53	.5359

#1	60210.	8.168	.0703	704.1	.1757	10830.
#2	60010.	9.552	-.0632	704.9	.3067	10760.
#3	60040.	8.546	.3811	703.2	.4796	10720.

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	.8740	46.62	161.3	103.1	107000.	19820.
Stddev	.0708	.40	.4	2.4	121.	49.
%RSD	8.098	.8501	.2203	2.319	.1129	.2475

#1	.9230	46.18	161.3	100.7	107200.	19870.
#2	.7929	46.93	161.7	103.1	107000.	19770.
#3	.9061	46.75	161.0	105.5	107000.	19840.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27080.	1554.	364.0	105.1	28.31	-2.572
Stddev	32.	3.	19.6	.6	1.18	1.271
%RSD	.1190	.1757	5.396	.5610	4.170	49.41

#1	27090.	1555.	351.6	105.8	28.48	-1.199
#2	27050.	1555.	386.7	104.7	29.40	-3.707
#3	27110.	1551.	353.9	104.9	27.06	-2.810

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-d-23-e@4 Acquired: 6/29/2012 0:06:02 Type: Unk
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3407	.8560	197.4	344.6	3.849	-.7854
Stddev	1.170	1.685	.6	.7	.472	.2334
%RSD	343.3	196.9	.3066	.2092	12.27	29.72
#1	1.399	-.4244	197.1	344.3	4.021	-.5319
#2	-.9150	.2271	197.0	345.4	4.211	-.9913
#3	.5378	2.765	198.1	344.0	3.315	-.8330

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4385	77.76	6562.	1159.
Stddev	.5746	.35	18.	27.
%RSD	131.0	.4468	.2803	2.342
#1	-.1303	78.12	6582.	1136.
#2	.4272	77.72	6545.	1153.
#3	1.019	77.43	6559.	1189.

Check ? Chk Pass 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	2553.3	28236.	4219.9
Stddev	7.2	103.	49.2
%RSD	.28153	.36482	1.1663
#1	2545.2	28121.	4163.1
#2	2555.4	28319.	4246.0
#3	2559.1	28269.	4250.5

Sample Name: CCV Acquired: 6/29/2012 0:09:38 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124500.	2511.	1248.	10140.	983.6	123700.
Stddev	101.	4.	1.	3.	2.4	269.
%RSD	.0811	.1672	.0634	.0249	.2398	.2175

#1	124600.	2512.	1248.	10140.	983.0	123800.
#2	124500.	2515.	1249.	10140.	981.5	123400.
#3	124400.	2506.	1248.	10140.	986.1	123900.

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	1273.	2513.	5041.	12300.	100100.	48450.
Stddev	1.	1.	2.	51.	53.	155.
%RSD	.1039	.0519	.0385	.4123	.0530	.3197

#1	1271.	2514.	5043.	12330.	100000.	48390.
#2	1272.	2514.	5041.	12240.	100100.	48340.
#3	1274.	2512.	5039.	12330.	100100.	48630.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123500.	5073.	123000.	2545.	7624.	1027.
Stddev	166.	3.	260.	2.	5.	2.
%RSD	.1344	.0681	.2114	.0705	.0667	.2413

#1	123700.	5077.	123200.	2546.	7619.	1027.
#2	123400.	5071.	122900.	2543.	7629.	1030.
#3	123500.	5071.	122700.	2547.	7623.	1025.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/29/2012 0:09:38 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2482.	2573.	2488.	2492.	1040.	2540.
Stddev	11.	6.	2.	2.	1.	3.
%RSD	.4311	.2313	.0883	.0738	.1234	.1119

#1	2472.	2568.	2487.	2491.	1040.	2538.
#2	2480.	2580.	2491.	2492.	1039.	2540.
#3	2493.	2571.	2488.	2494.	1042.	2543.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1002.	5034.	10000.	10330.
Stddev	.	11.	11.	37.
%RSD	.0444	.2087	.1133	.3625

#1	1001.	5033.	10000.	10300.
#2	1001.	5023.	9989.	10310.
#3	1002.	5044.	10010.	10370.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2339.7	25821.	4064.3
Stddev	4.3	171.	14.6
%RSD	.18299	.66148	.35984

#1	2334.9	25637.	4050.1
#2	2343.2	25976.	4079.3
#3	2340.9	25849.	4063.3

Sample Name: CCB Acquired: 6/29/2012 0:12:57 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.53	1.073	-8759	.5519	-.0811	45.29
Stddev	26.10	.833	.2475	.4780	.0969	17.23
%RSD	110.9	77.56	28.26	86.62	119.5	38.05

#1	53.04	1.351	-.8923	1.100	-.0606	64.59
#2	3.450	.1376	-.6205	.3308	.0039	39.81
#3	14.10	1.732	-1.115	.2244	-.1865	31.45

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	.1442	.2190	.4209	6.828	16.33	278.8
Stddev	.0651	.1603	.2568	4.559	7.15	22.3
%RSD	45.16	73.18	61.02	66.77	43.79	7.999

#1	.2194	.1840	.6927	11.91	24.13	304.3
#2	.1063	.3939	.3880	5.483	14.77	269.1
#3	.1069	.0791	.1822	3.093	10.08	262.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.49	.3661	15.04	.1862	1.001	1.488
Stddev	12.23	.4074	42.29	.3864	2.363	2.928
%RSD	84.41	111.3	281.3	207.5	236.0	196.7

#1	27.25	.8321	63.71	.4683	2.984	4.866
#2	13.36	.1891	-5.821	.3445	-1.614	-.3169
#3	2.863	.0773	-12.78	-.2542	1.634	-.0846

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/29/2012 0:12:57 Type: QC
Method: SW84606112012(v16) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

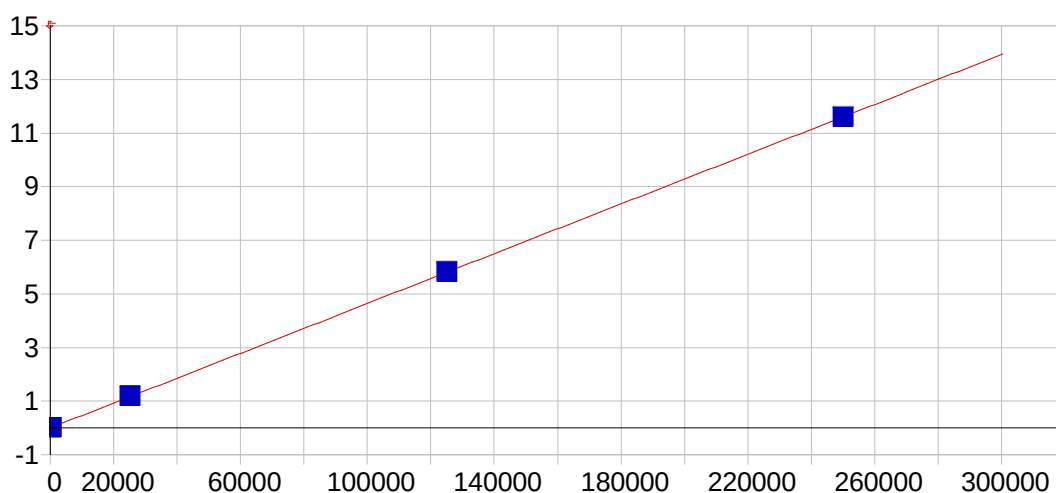
Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.464	1.211	.1912	.0260	.9406	2.876
Stddev	1.038	.993	.2936	.1244	.2880	.534
%RSD	42.12	82.01	153.6	478.4	30.62	18.56
#1	2.149	.1353	.4986	.0444	1.189	3.486
#2	3.623	1.404	.1613	.1402	1.008	2.493
#3	1.620	2.093	-.0864	-.1065	.6249	2.650

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0586	.7012	2.216	7.412
Stddev	.8650	.6116	.190	.819
%RSD	1476.	87.21	8.562	11.05
#1	.2333	1.390	2.275	7.056
#2	.8229	.4912	2.003	8.349
#3	-.8804	.2223	2.368	6.830

Check ? Chk Pass 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	2515.2	28202.	4133.7
Stddev	5.7	79.	16.3
%RSD	.22776	.27929	.39358
#1	2508.7	28288.	4115.0
#2	2517.3	28185.	4144.5
#3	2519.6	28134.	4141.6

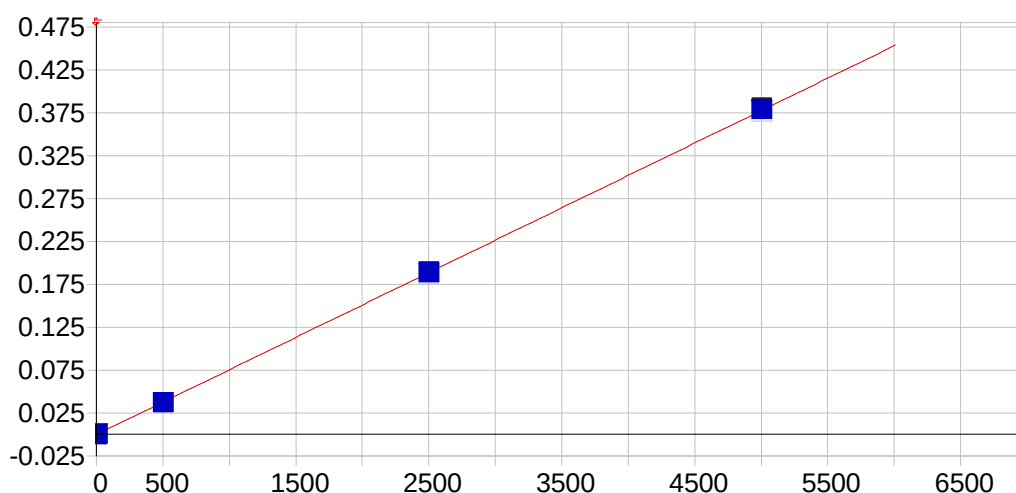


AI 396.152 { 85}

Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000950 Re-Slope: 1.000000
 A1 (Gain): 0.000046 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999998 Status: OK.
 Std Error of Est: 0.000037
 Predicted MDL: 23.286607
 Predicted MQL: 77.622023

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00786	-.008	.000	-.00095	.001	1
DCAL1	200.00	206.45	6.45	3.23	.00862	.001	1
DCAL2	25000.	25188.	188.	.753	1.1692	.004	1
DCAL3	125000.	125070.	74.1	.059	5.8093	.009	1
DCAL4	250000.	249730.	-269.	-.107	11.600	.018	1



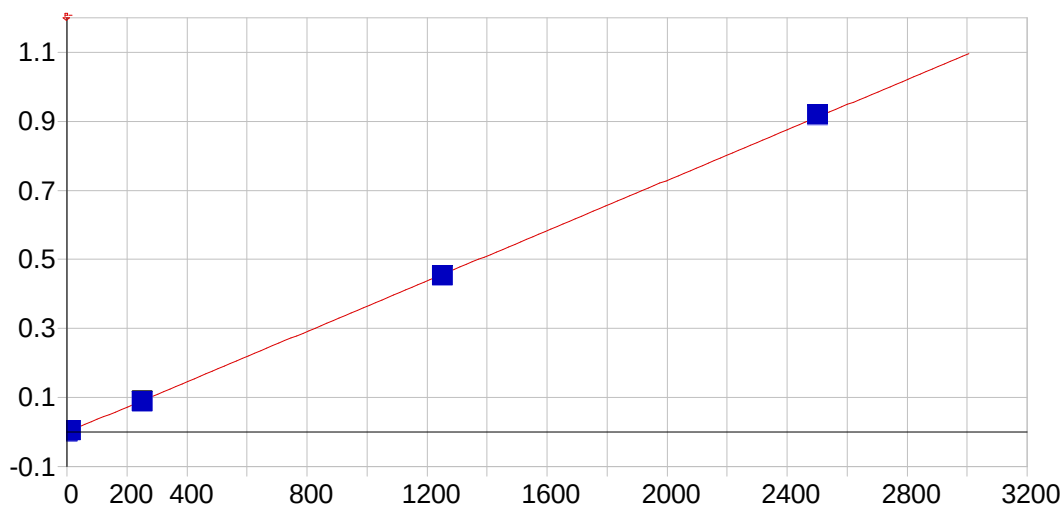
As 189.042 (478)

Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000116 Re-Slope: 1.000000
 A1 (Gain): 0.000076 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999983 Status: OK.
 Std Error of Est: 0.000004

Predicted MDL: 2.558635
 Predicted MQL: 8.528783

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00056	.001	.000	-.00012	.000	1
DCAL1	5.0000	4.5288	-.471	-9.42	.00022	.000	1
DCAL2	500.00	490.33	-9.67	-1.93	.03664	.000	1
DCAL3	2500.0	2496.2	-3.76	-.151	.18703	.001	1
DCAL4	5000.0	5013.9	13.9	.278	.37579	.001	1

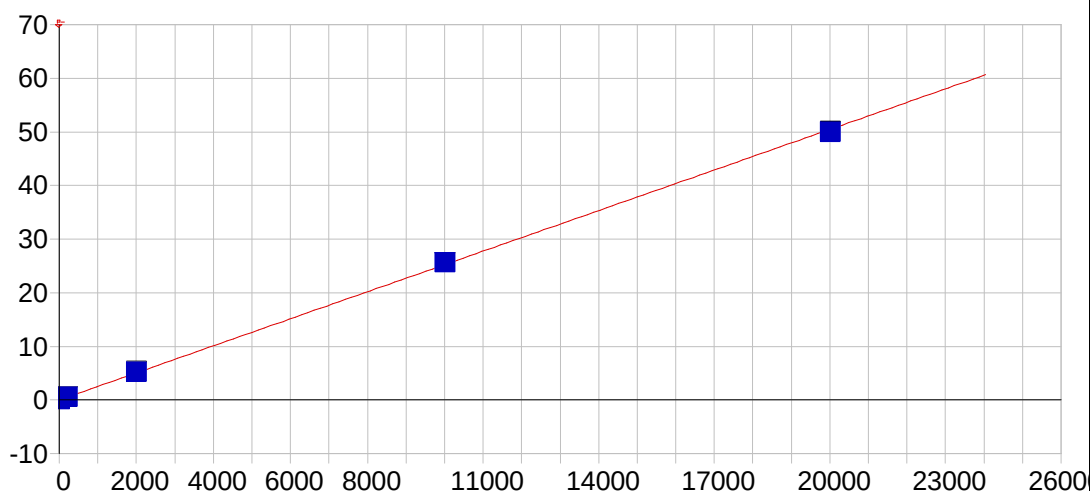


Ag 328.068 (103)

Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000389 Re-Slope: 1.000000
 A1 (Gain): 0.000365 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999950 Status: OK.
 Std Error of Est: 0.000030
 Predicted MDL: 0.761058
 Predicted MQL: 2.536860

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00004	.000	.000	-.00039	.000	1
DCAL1	10.000	10.263	.263	2.63	.00335	.000	1
DCAL2	250.00	242.58	-7.42	-2.97	.08785	.000	1
DCAL3	1250.0	1241.0	-8.99	-.719	.45103	.001	1
DCAL4	2500.0	2516.1	16.1	.646	.91491	.001	1

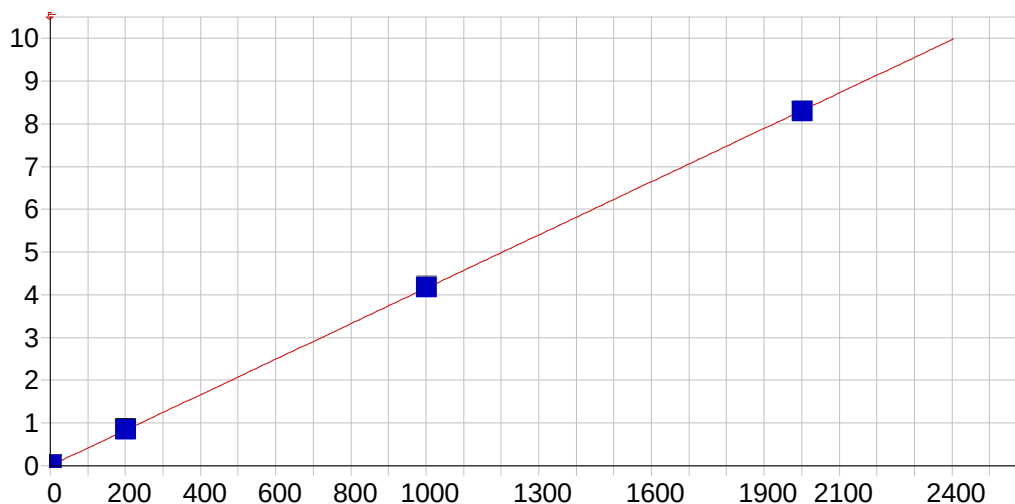


Ba 233.527 (445)

Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000189 Re-Slope: 1.000000
 A1 (Gain): 0.002523 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999888 Status: OK.
 Std Error of Est: 0.003913
 Predicted MDL: 0.150386
 Predicted MQL: 0.501286

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01940	-.019	.000	.00014	.000	1
DCAL1	200.00	211.85	11.8	5.92	.53442	.000	1
DCAL2	2000.0	2070.5	70.5	3.53	5.2178	.008	1
DCAL3	10000.	10132.	132.	1.32	25.531	.024	1
DCAL4	20000.	19786.	-214.	-1.07	49.857	.111	1



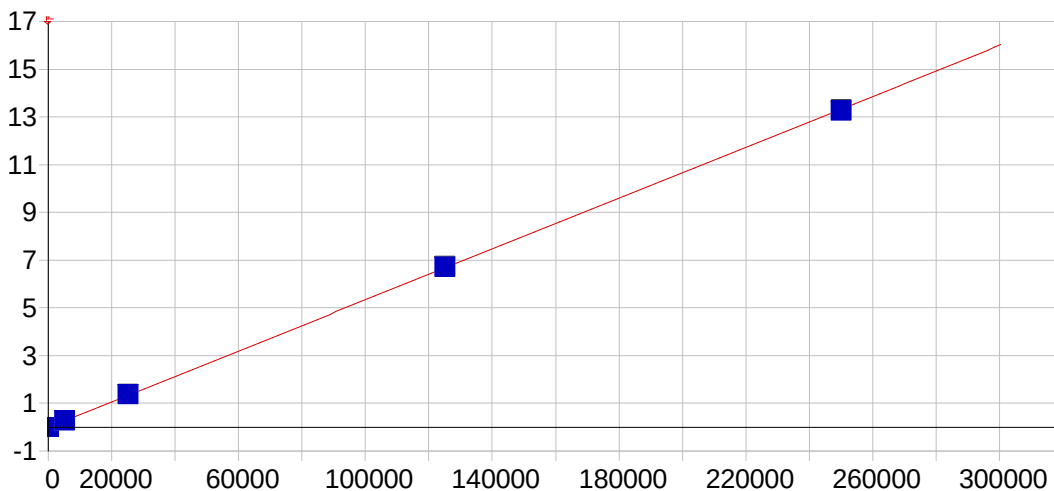
Be 313.042 (108)

Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001242 Re-Slope: 1.000000
 A1 (Gain): 0.004154 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999985 Status: OK.
 Std Error of Est: 0.000075
 Predicted MDL: 0.180134

Predicted MQL: 0.600445

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00011	.000	.000	.00124	.001	1
DCAL1	2.0000	1.8604	-.140	-6.98	.00902	.000	1
DCAL2	200.00	203.10	3.10	1.55	.84610	.004	1
DCAL3	1000.0	1003.9	3.92	.392	4.1775	.013	1
DCAL4	2000.0	1993.1	-6.88	-.344	8.2926	.006	1

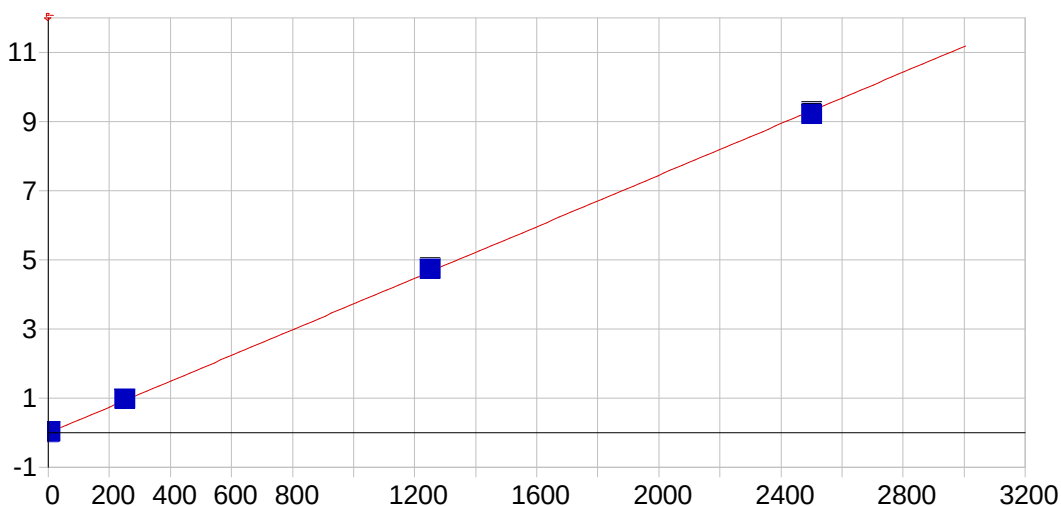


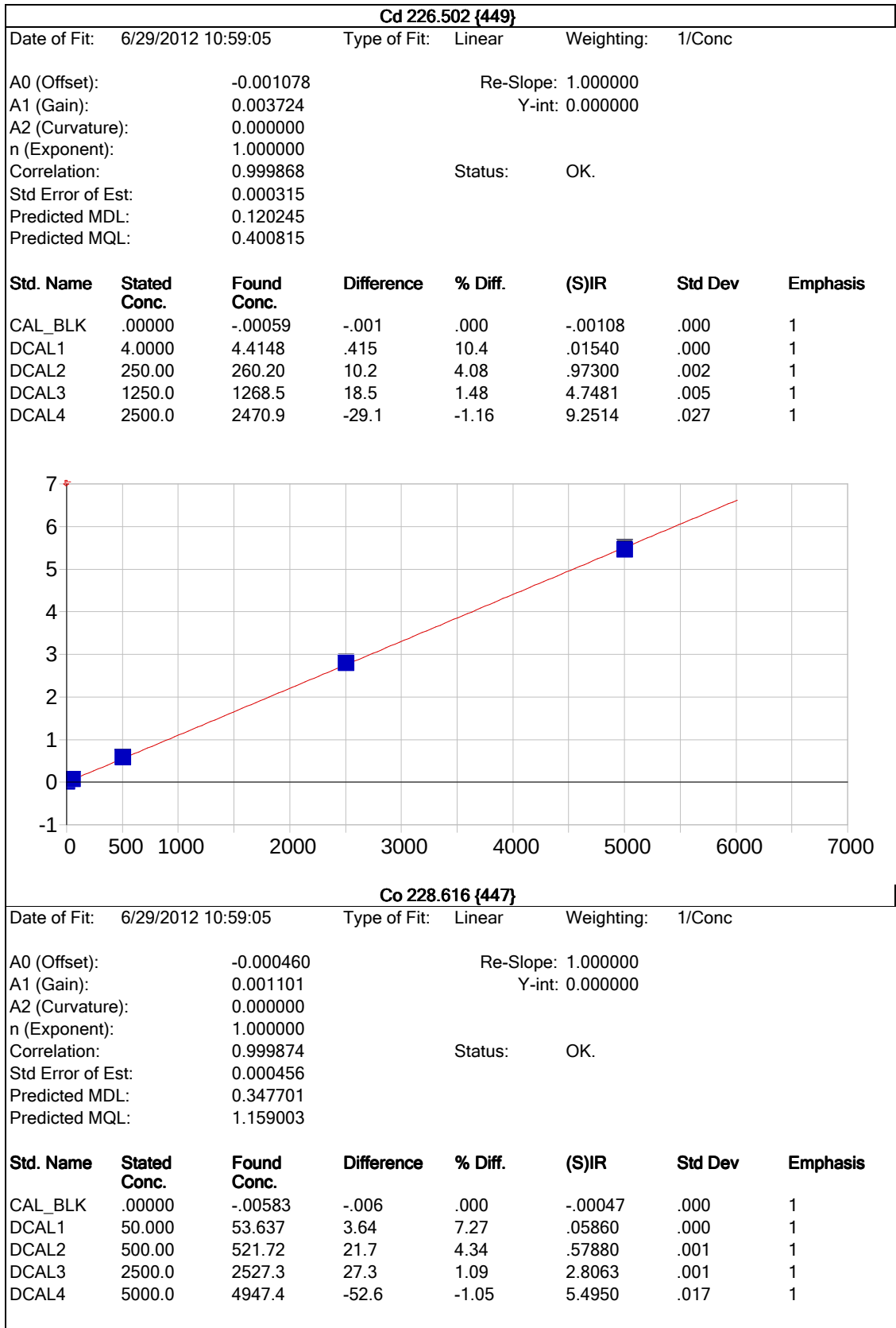
Ca 422.673 { 80}

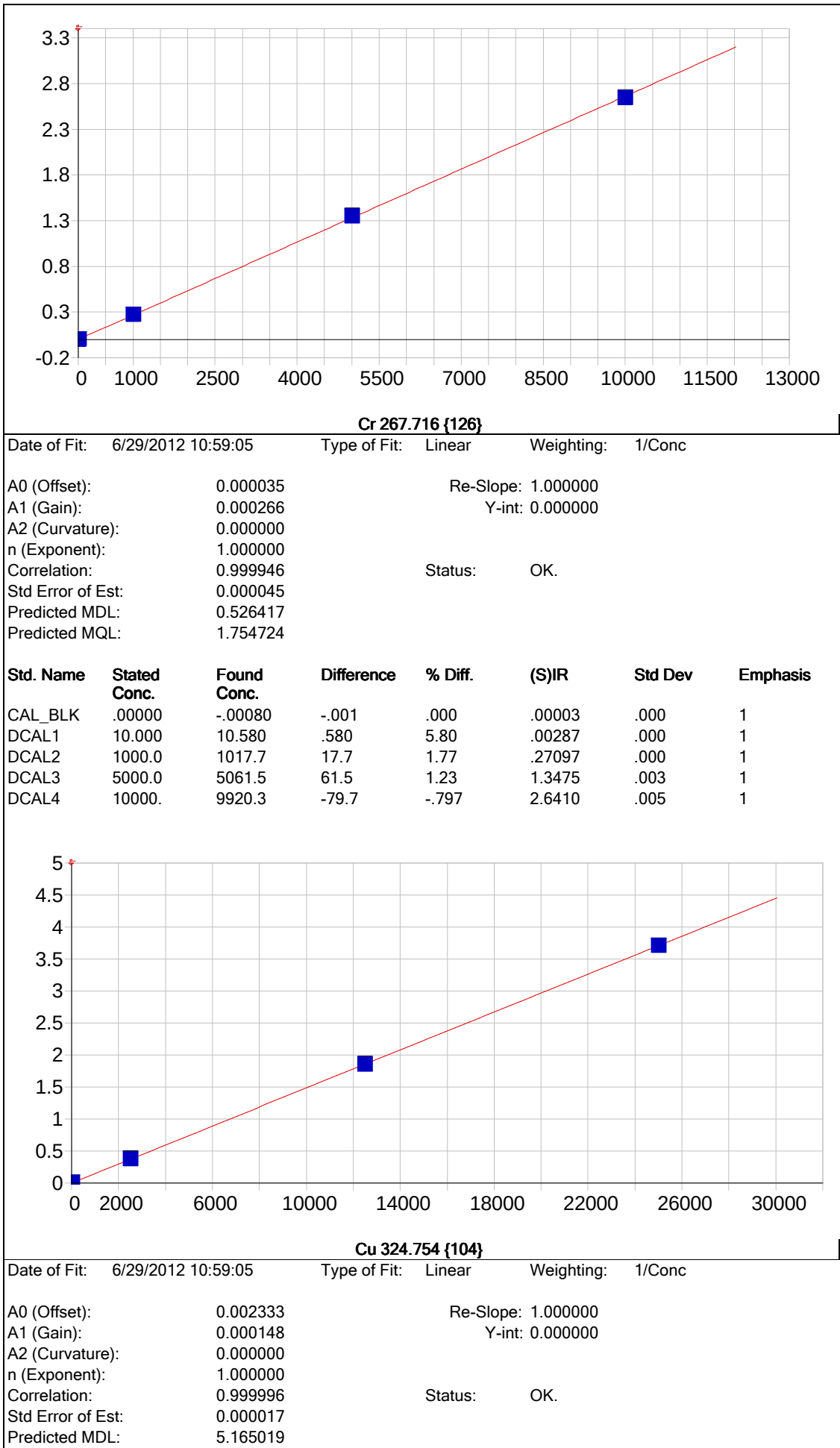
Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.005676 Re-Slope: 1.000000
 A1 (Gain): 0.000053 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999960 Status: OK.
 Std Error of Est: 0.000871
 Predicted MDL: 21.202564
 Predicted MQL: 70.675215

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.27384	-.274	.000	-.00569	.001	1
DCAL1	5000.0	5170.6	171.	3.41	.27014	.001	1
DCAL2	25000.	25491.	491.	1.97	1.3541	.004	1
DCAL3	125000.	125910.	912.	.729	6.7108	.007	1
DCAL4	250000.	248430.	-1570.	-.629	13.246	.024	1

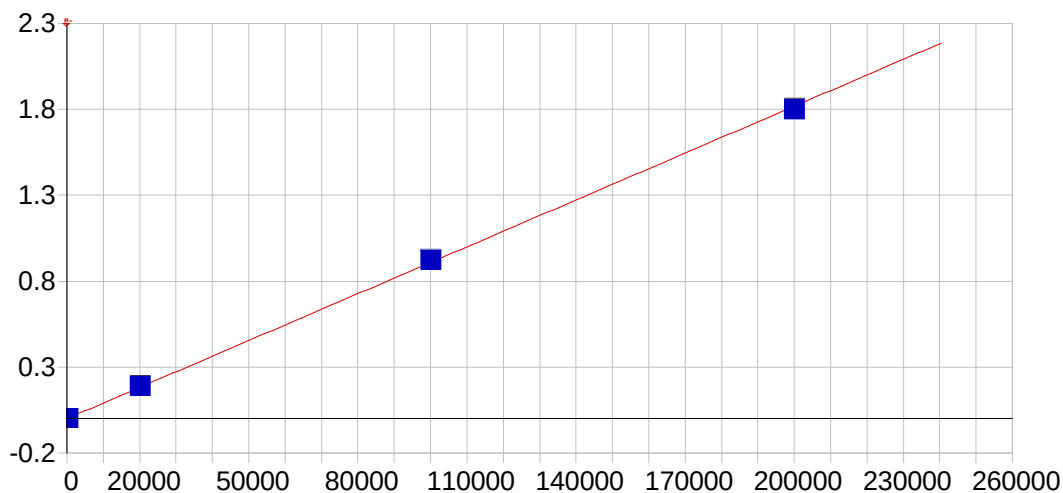






Predicted MQL: 17.216730

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00038	.000	.000	.00233	.001	1
DCAL1	25.000	24.392	-.608	-2.43	.00594	.001	1
DCAL2	2500.0	2526.7	26.7	1.07	.37634	.001	1
DCAL3	12500.	12484.	-16.4	-.131	1.8502	.005	1
DCAL4	25000.	24990.	-9.70	-.039	3.7014	.002	1

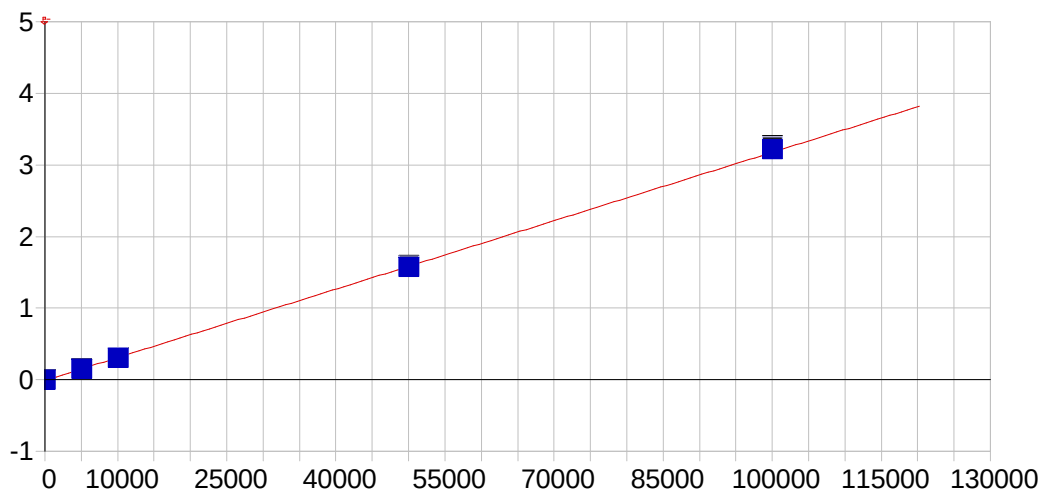


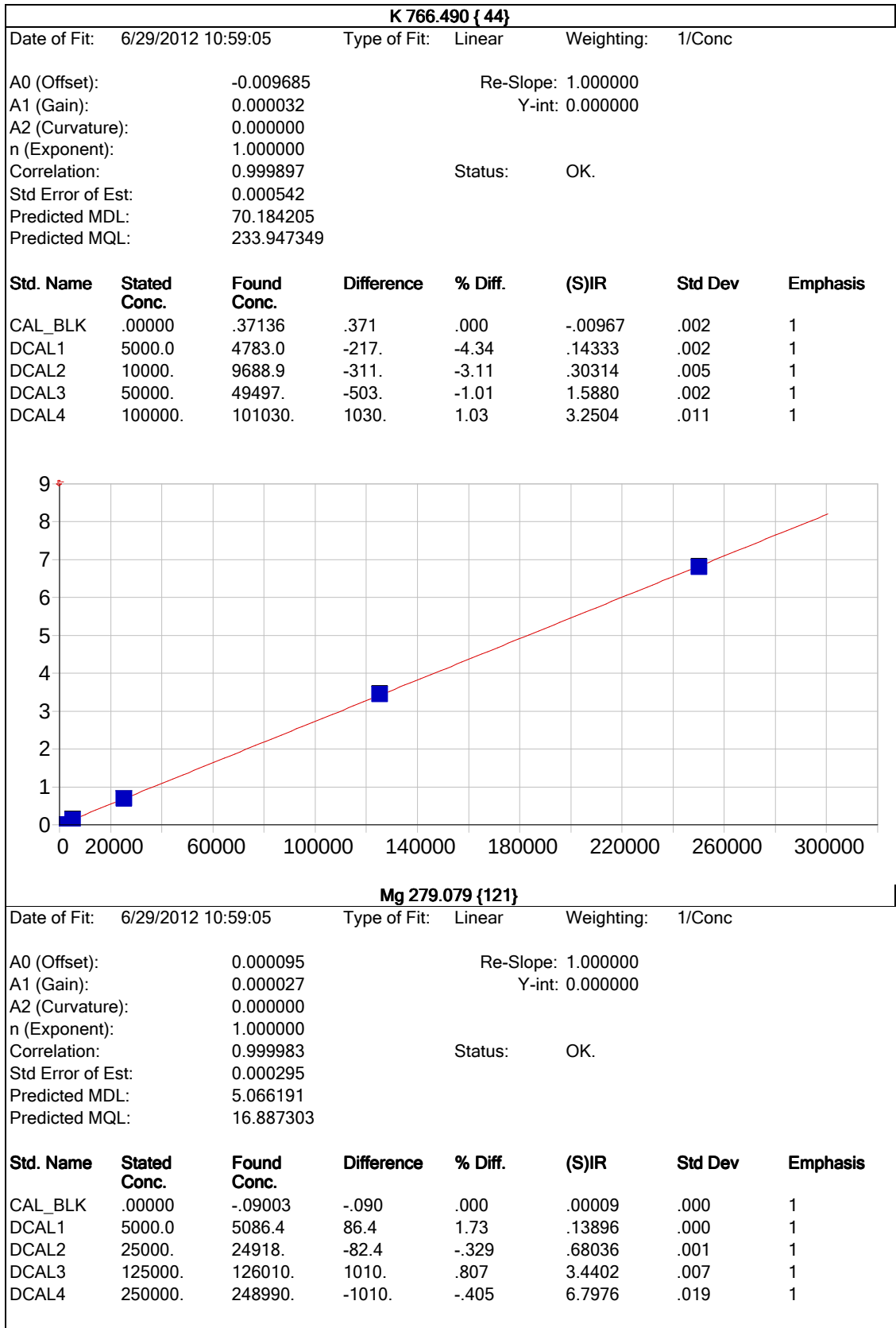
Fe 271.441 {124}

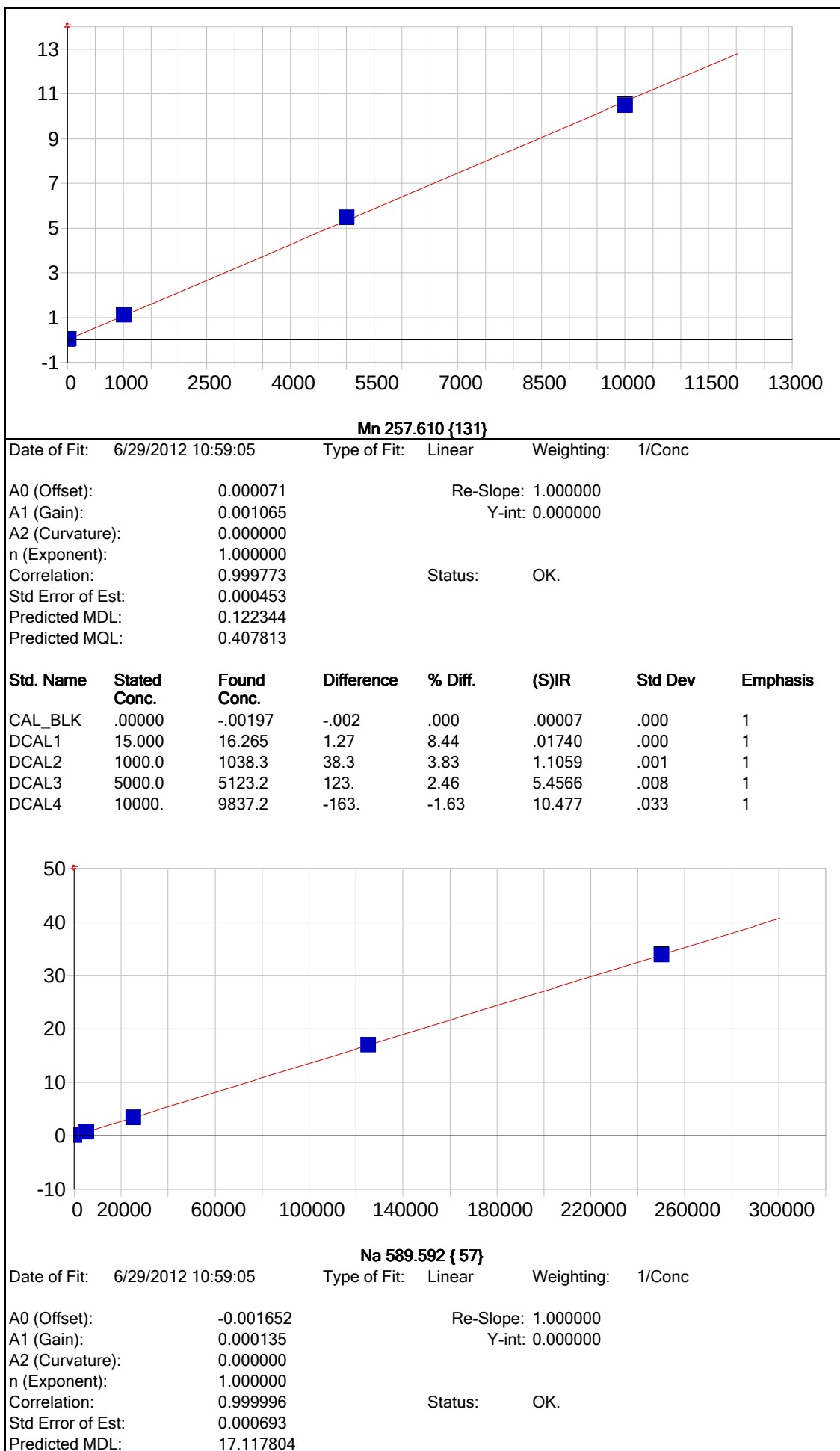
Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000050 Re-Slope: 1.000000
 A1 (Gain): 0.000009 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999888 Status: OK.
 Std Error of Est: 0.000038
 Predicted MDL: 14.451838
 Predicted MQL: 48.172795

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01774	-.018	.000	.00005	.000	1
DCAL1	150.00	162.10	12.1	8.07	.00157	.000	1
DCAL2	20000.	20665.	665.	3.33	.18835	.000	1
DCAL3	100000.	101550.	1550.	1.55	.92536	.001	1
DCAL4	200000.	197780.	-2220.	-1.11	1.8023	.003	1

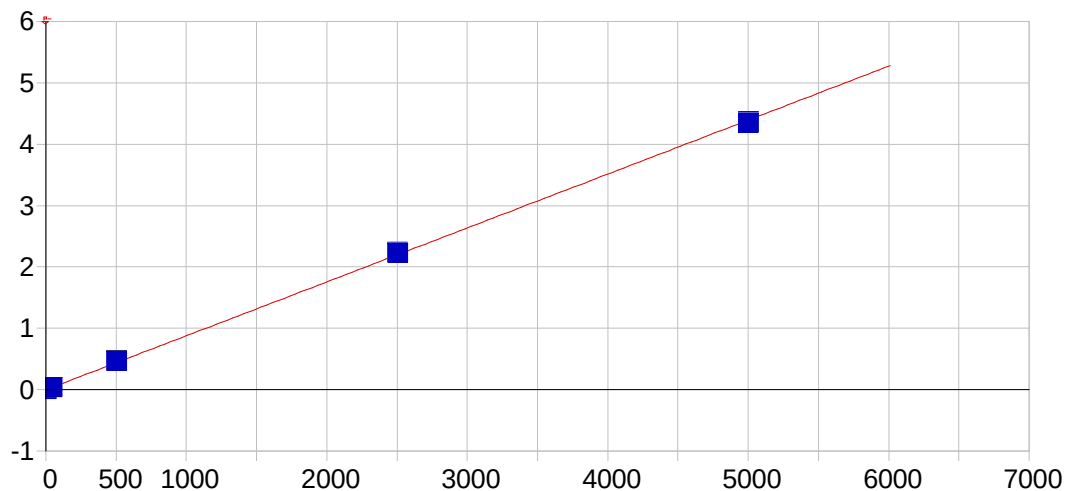






Predicted MQL: 57.059345

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.06191	-.062	.000	-.00166	.001	1
DCAL1	5000.0	5054.7	54.7	1.09	.68246	.000	1
DCAL2	25000.	24997.	-3.17	-.013	3.3837	.011	1
DCAL3	125000.	125440.	443.	.354	16.987	.012	1
DCAL4	250000.	249510.	-495.	-.198	33.789	.074	1

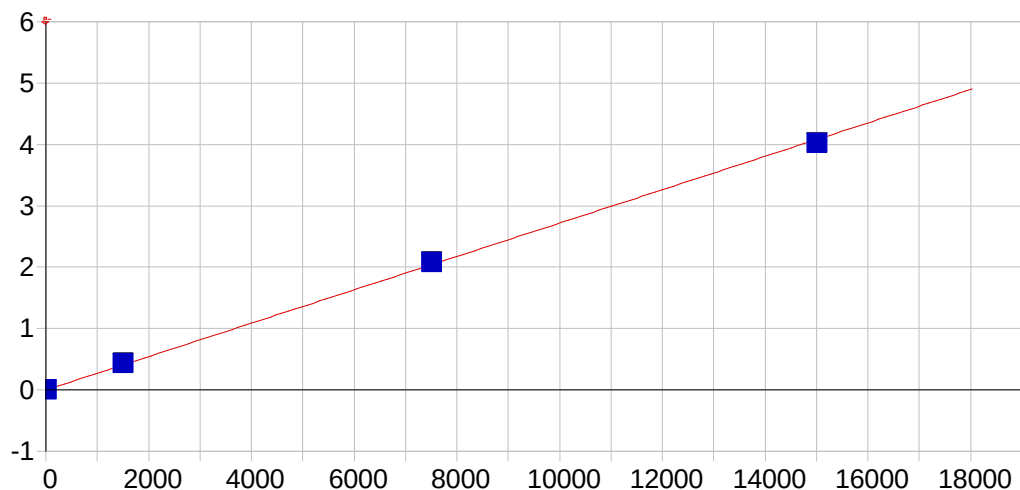


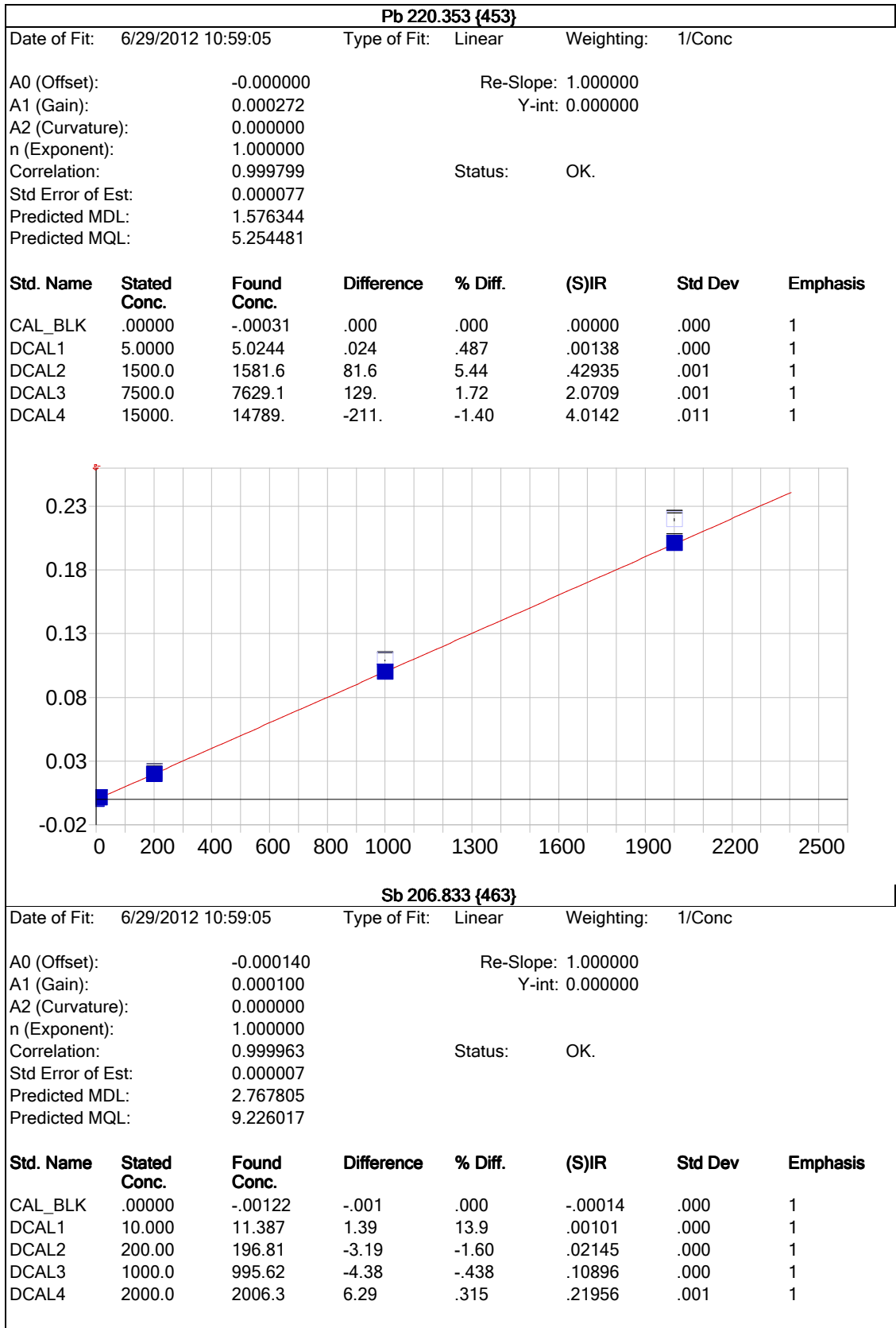
Ni 231.604 {446}

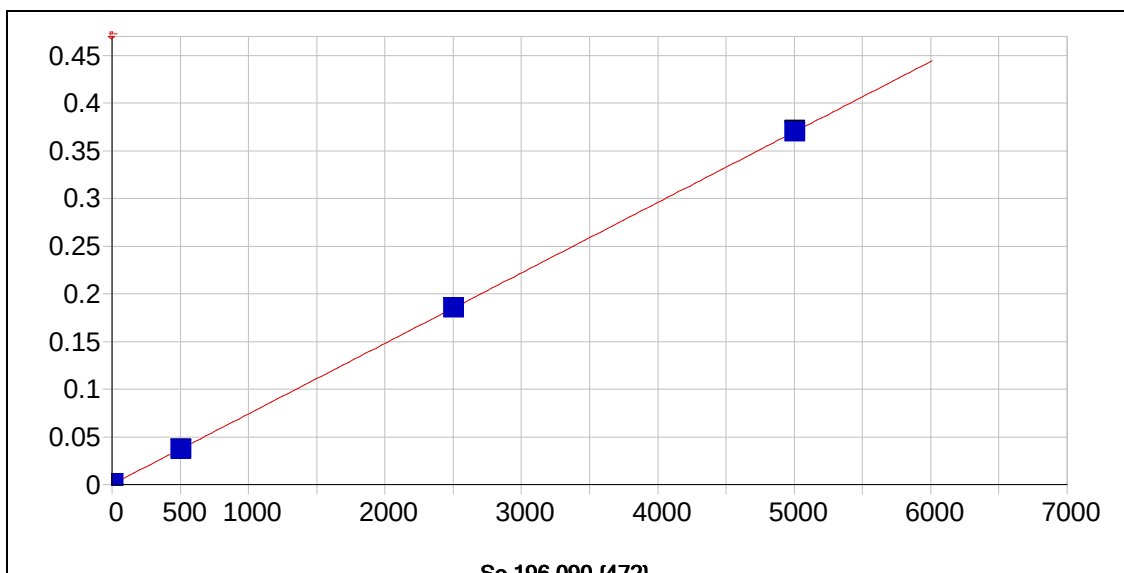
Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000734 Re-Slope: 1.000000
A1 (Gain): 0.000879 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999827 Status: OK.
Std Error of Est: 0.000379
Predicted MDL: 0.498818
Predicted MQL: 1.662728

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00588	-.006	.000	-.00074	.000	1
DCAL1	40.000	43.878	3.88	9.70	.03784	.000	1
DCAL2	500.00	524.45	24.4	4.89	.46092	.001	1
DCAL3	2500.0	2533.6	33.6	1.34	2.2296	.003	1
DCAL4	5000.0	4938.1	-61.9	-1.24	4.3466	.011	1



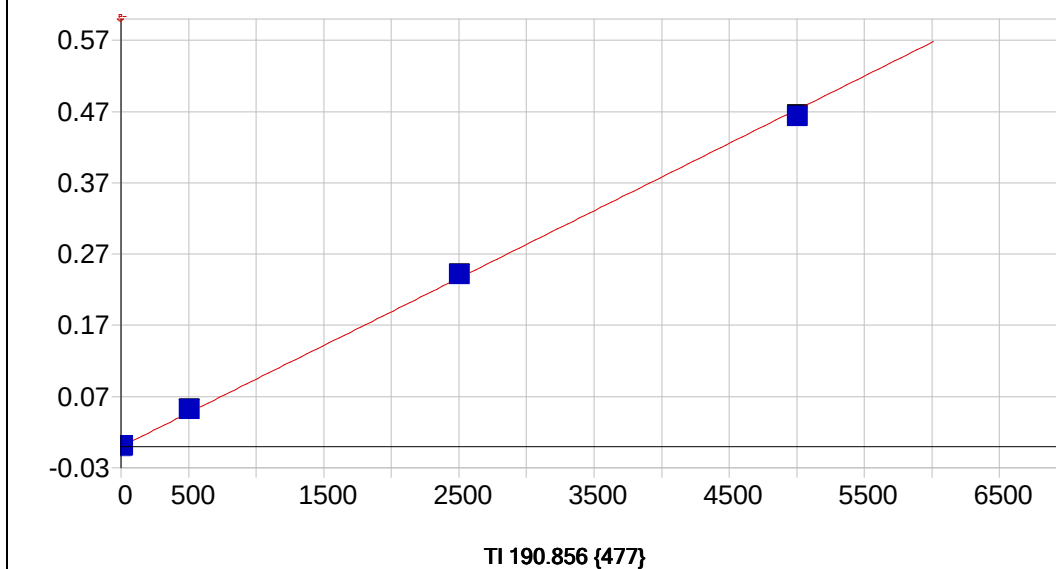




Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000229 Re-Slope: 1.000000
 A1 (Gain): 0.000074 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999994 Status: OK.
 Std Error of Est: 0.000002
 Predicted MDL: 3.417091
 Predicted MQL: 11.390304

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00033	.000	.000	.00023	.000	1
DCAL1	5.0000	5.3751	.375	7.50	.00063	.000	1
DCAL2	500.00	494.39	-5.61	-1.12	.03667	.000	1
DCAL3	2500.0	2501.2	1.23	.049	.18461	.000	1
DCAL4	5000.0	5004.0	4.01	.080	.36911	.002	1

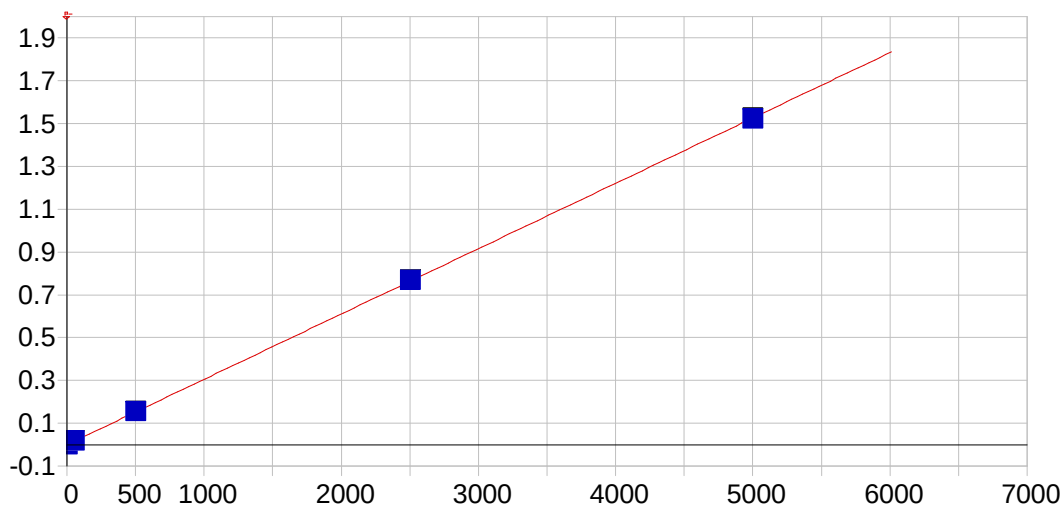


Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000130 Re-Slope: 1.000000
 A1 (Gain): 0.000095 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999533 Status: OK.
 Std Error of Est: 0.000033
 Predicted MDL: 2.488455

Predicted MQL: 8.294849

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00054	.001	.000	-.00013	.000	1
DCAL1	10.000	8.5102	-1.49	-14.9	.00068	.000	1
DCAL2	500.00	546.71	46.7	9.34	.05150	.000	1
DCAL3	2500.0	2550.7	50.7	2.03	.24071	.000	1
DCAL4	5000.0	4904.1	-95.9	-1.92	.46289	.002	1

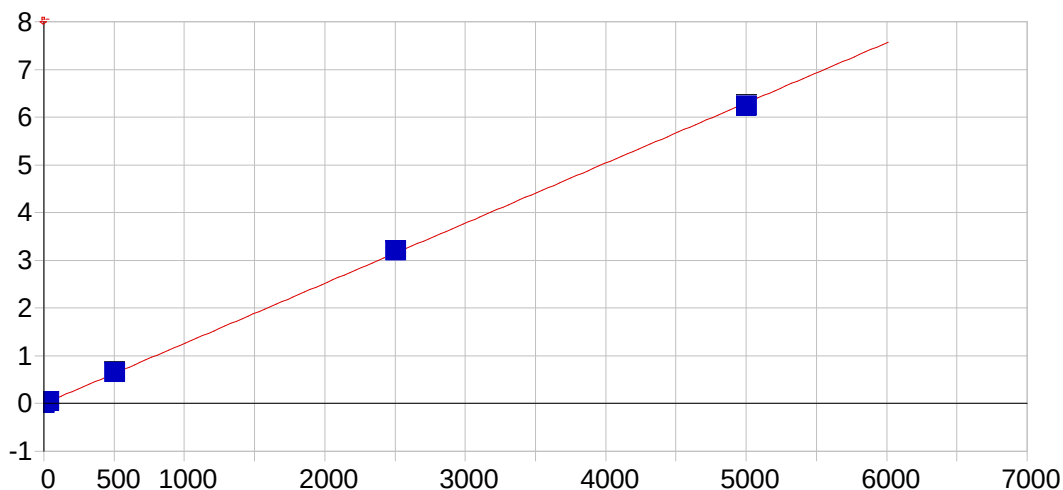


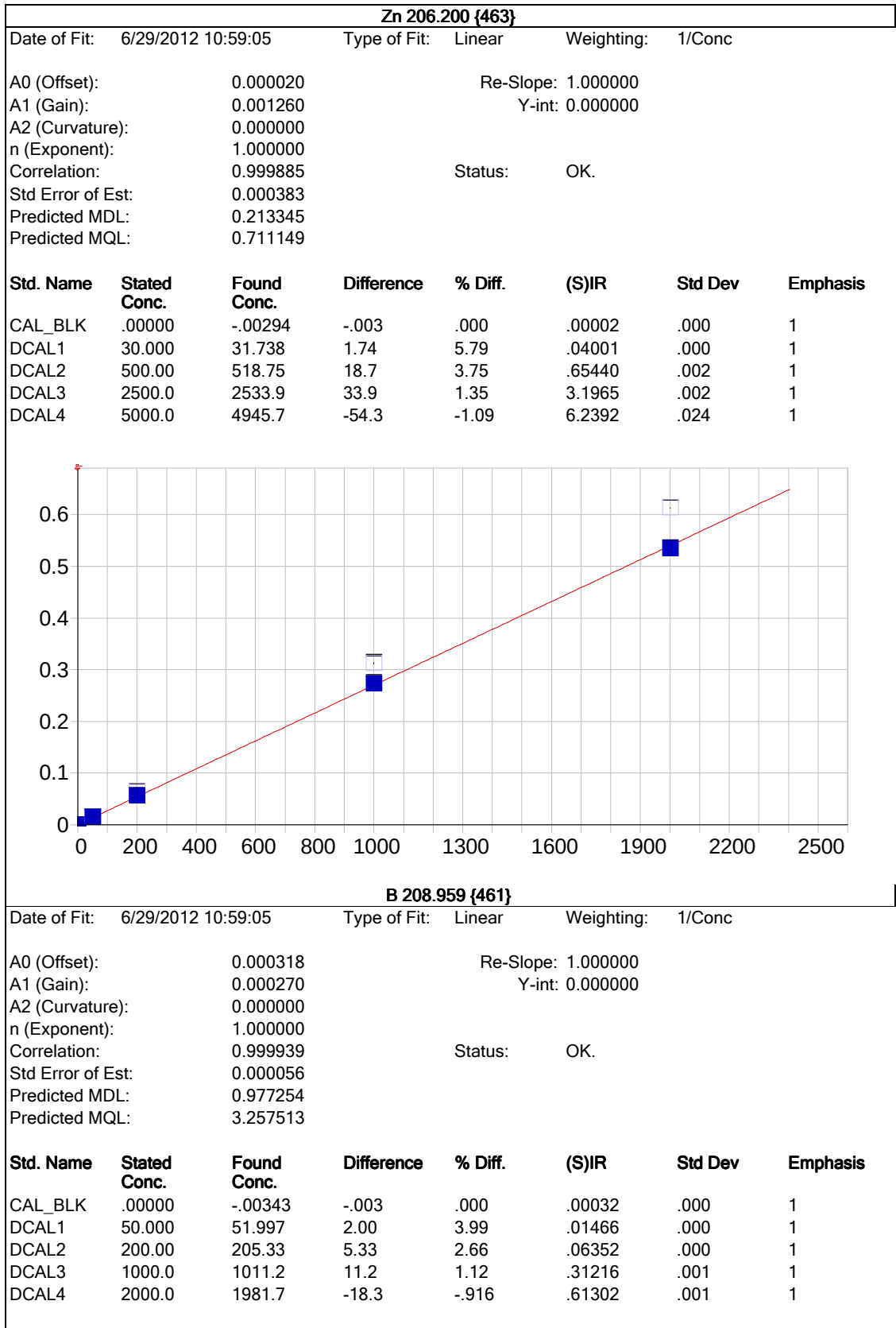
V 292.402 {115}

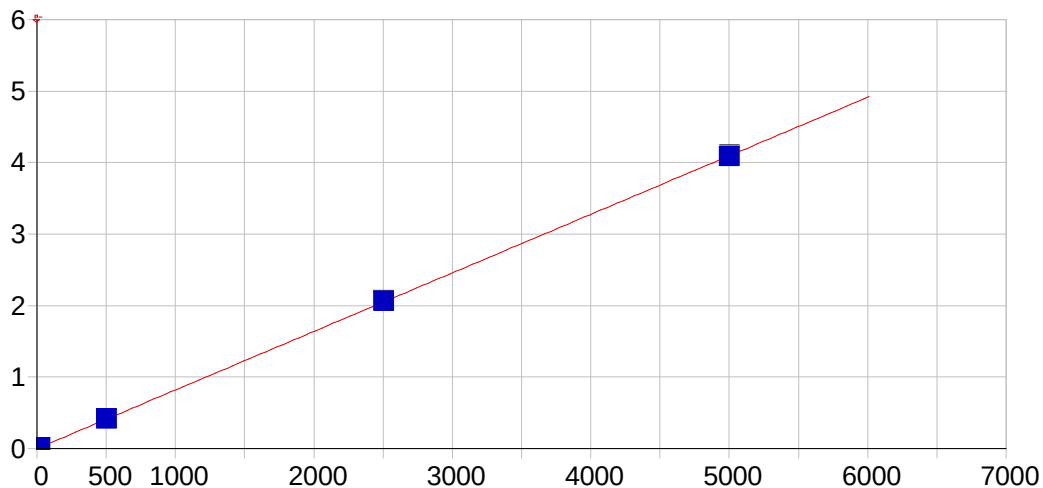
Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000022 Re-Slope: 1.000000
 A1 (Gain): 0.000305 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999992 Status: OK.
 Std Error of Est: 0.000032
 Predicted MDL: 0.542946
 Predicted MQL: 1.809819

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00042	.000	.000	-.00002	.000	1
DCAL1	50.000	50.226	.226	.451	.01531	.000	1
DCAL2	500.00	500.52	.518	.104	.15288	.000	1
DCAL3	2500.0	2514.6	14.6	.582	.76813	.002	1
DCAL4	5000.0	4984.7	-15.3	-.306	1.5227	.002	1





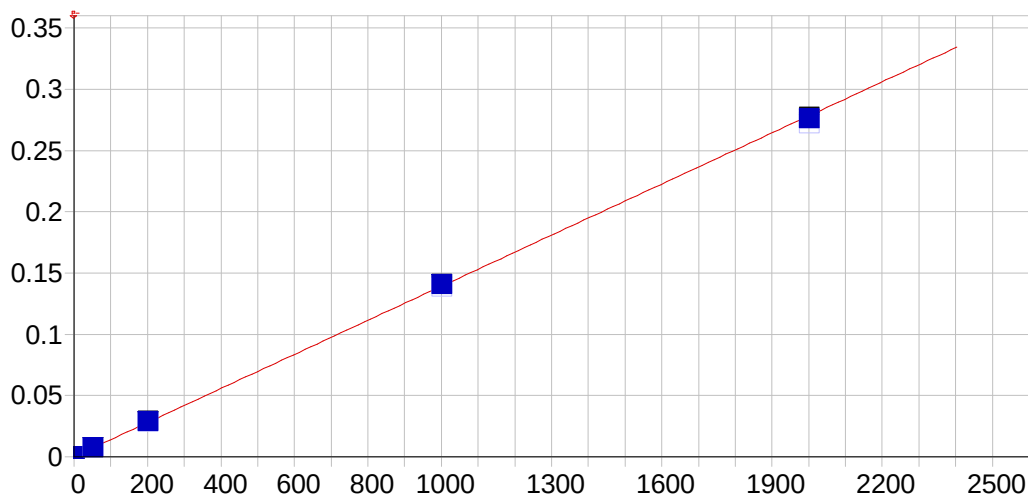


Mo 202.030 (467)

Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000507 Re-Slope: 1.000000
 A1 (Gain): 0.000819 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999989 Status: OK.
 Std Error of Est: 0.000063
 Predicted MDL: 0.350508
 Predicted MQL: 1.168361

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00011	.000	.000	.00051	.000	1
DCAL1	20.000	19.901	-.099	-.493	.01687	.000	1
DCAL2	500.00	504.28	4.28	.857	.41434	.001	1
DCAL3	2500.0	2513.7	13.7	.549	2.0634	.002	1
DCAL4	5000.0	4982.1	-17.9	-.358	4.0890	.010	1



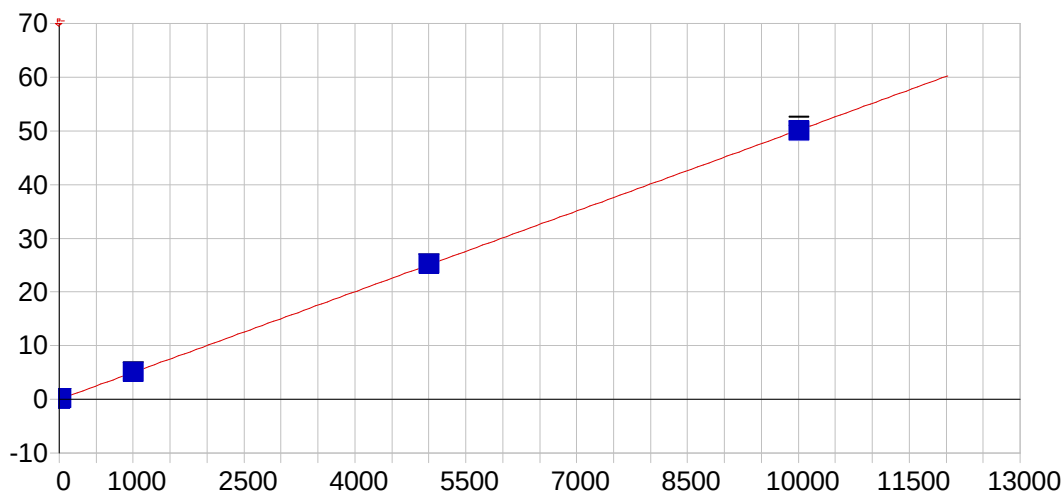
Sn 189.989 (477)

Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000166 Re-Slope: 1.000000
 A1 (Gain): 0.000139 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999915 Status: OK.
 Std Error of Est: 0.000029
 Predicted MDL: 1.166342

Predicted MQL: 3.887806

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00430	-.004	.000	.00016	.000	1
DCAL1	50.000	52.995	2.99	5.99	.00753	.000	1
DCAL2	200.00	205.13	5.13	2.57	.02829	.000	1
DCAL3	1000.0	1009.0	8.96	.896	.13845	.000	1
DCAL4	2000.0	1982.9	-17.1	-.856	.27185	.001	1

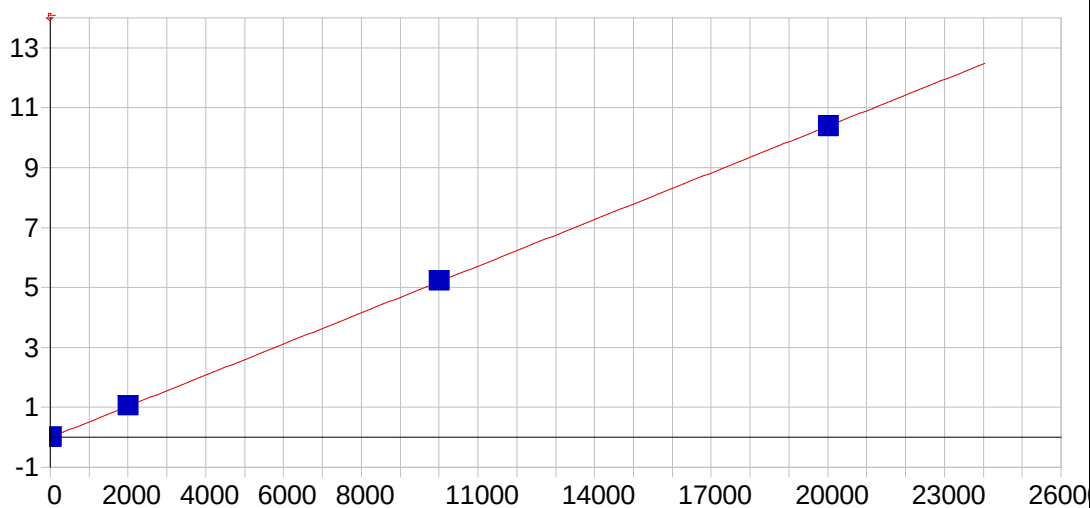


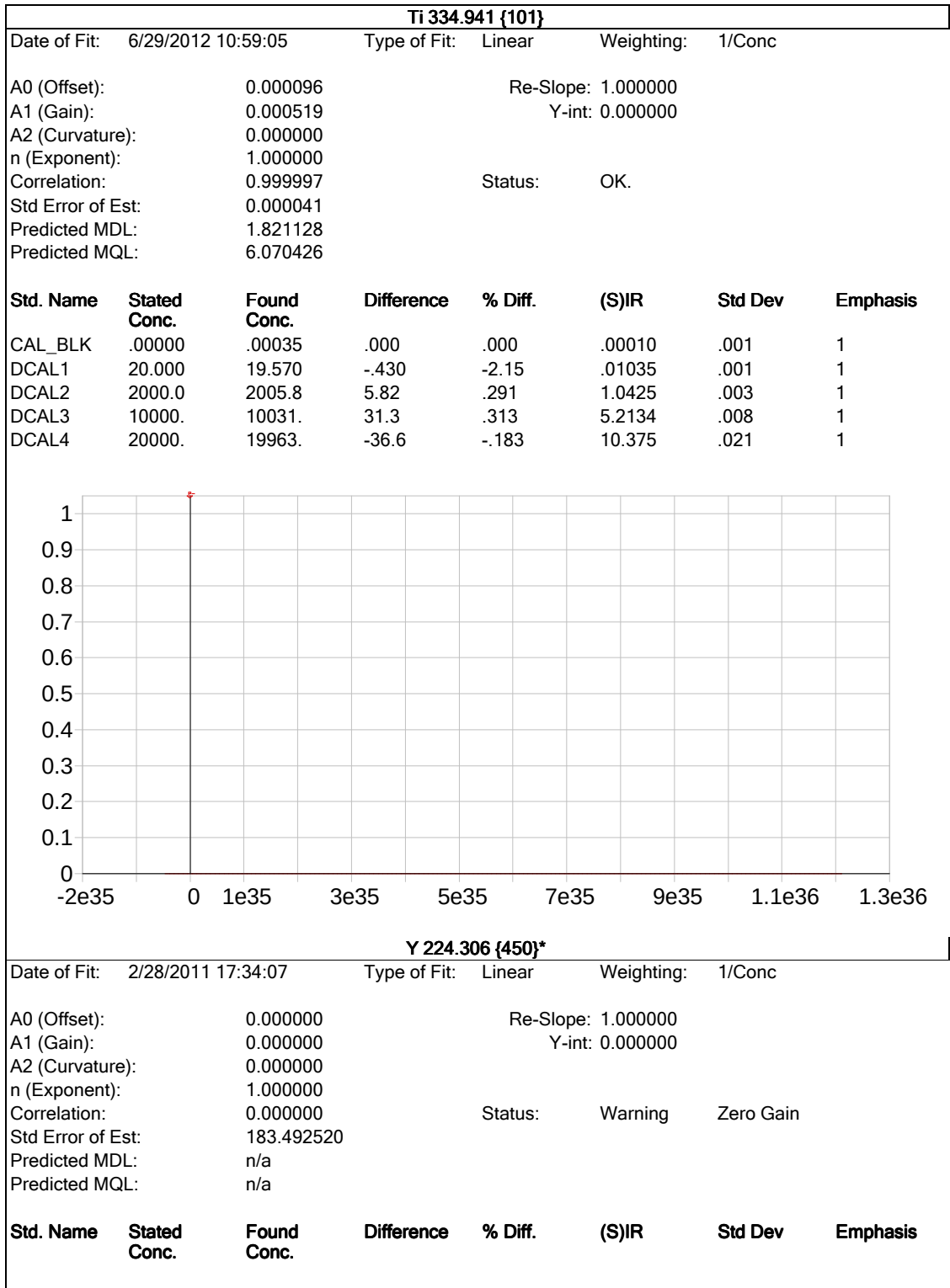
Sr 407.771 { 83}

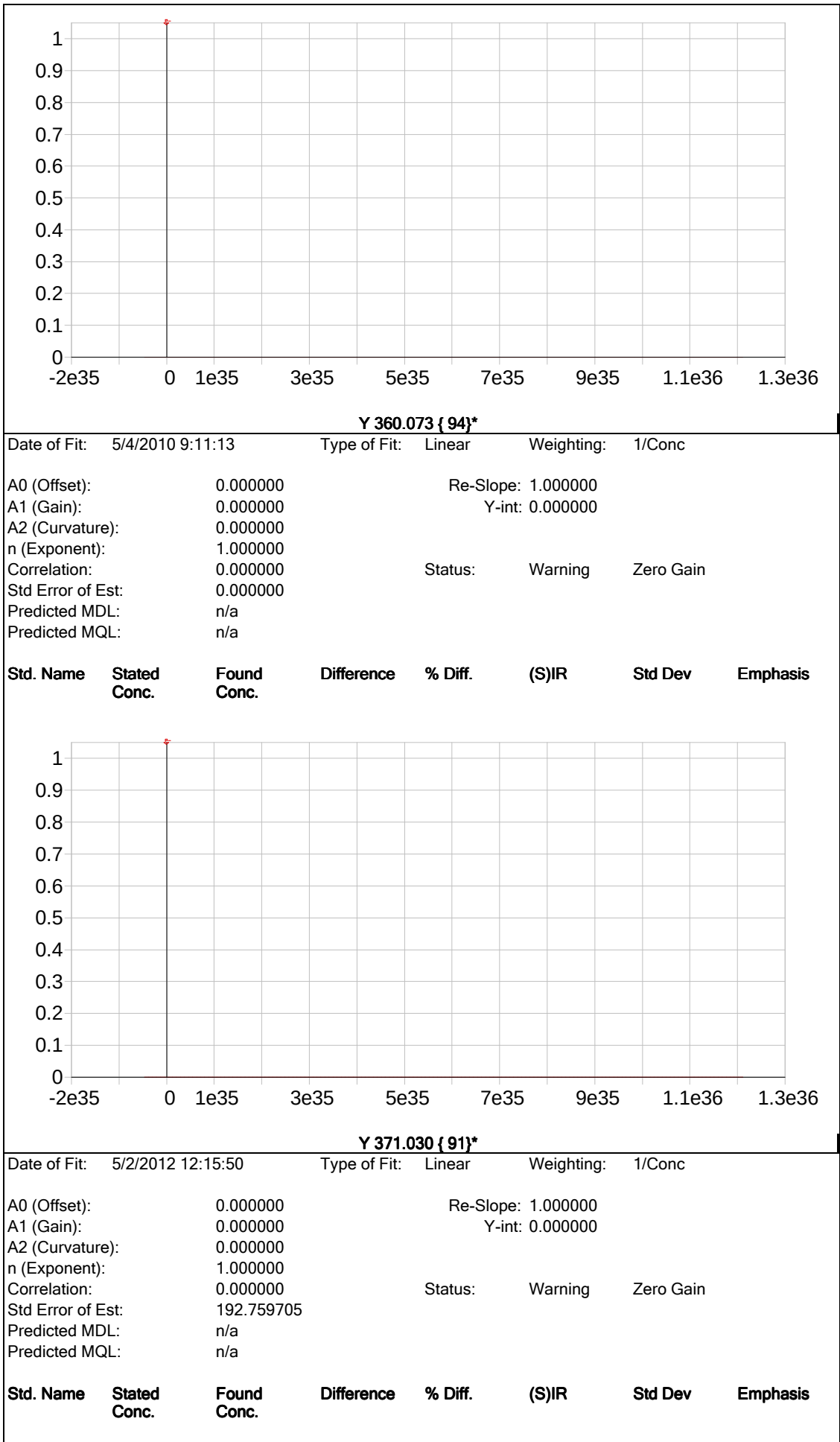
Date of Fit: 6/29/2012 10:59:05 Type of Fit: Linear Weighting: 1/Conc

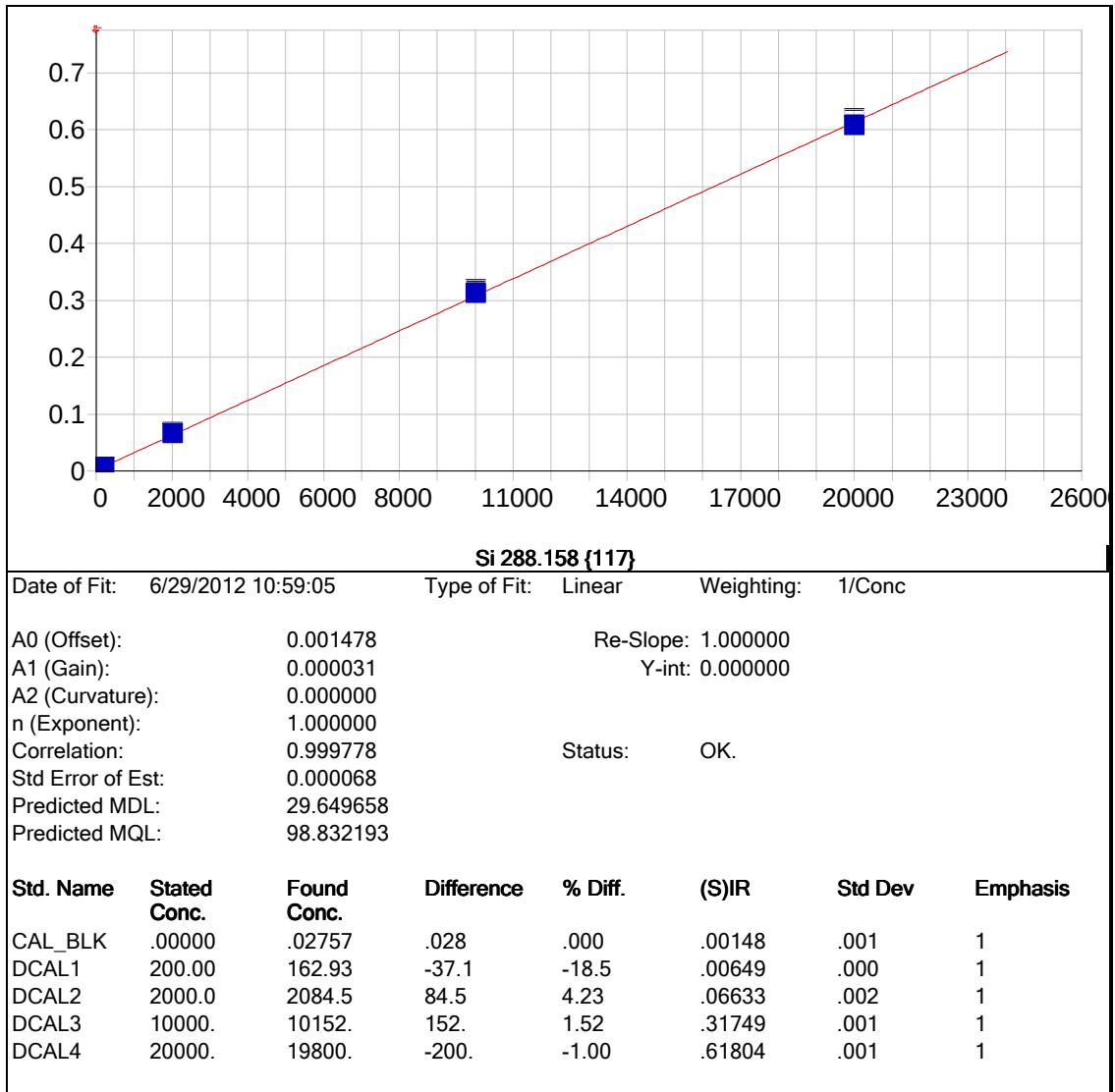
A0 (Offset): -0.002265 Re-Slope: 1.000000
A1 (Gain): 0.005012 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999993 Status: OK.
Std Error of Est: 0.000435
Predicted MDL: 0.205032
Predicted MQL: 0.683440

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00068	-.001	.000	-.00227	.000	1
DCAL1	20.000	20.564	.564	2.82	.10241	.001	1
DCAL2	1000.0	1003.8	3.80	.380	5.0216	.009	1
DCAL3	5000.0	5024.0	24.0	.481	25.142	.048	1
DCAL4	10000.	9971.6	-28.4	-.284	49.903	.814	1









Sample Name: CAL_BLK Acquired: 6/29/2012 10:41:20 Type: Cal
Method: SW84606112012(v17) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0010	-.0001	-.0004	.0001	.0012	-.0057
Stddev	.0007	.0001	.0002	.0004	.0005	.0006
%RSD	71.64	51.75	54.68	284.4	42.59	10.98

#1	-.0011	-.0001	-.0006	.0003	.0009	-.0060
#2	-.0015	-.0002	-.0003	.0004	.0010	-.0050
#3	-.0002	-.0001	-.0003	-.0003	.0019	-.0061

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	-.0011	-.0005	.0000	.0023	.0001	-.0097
Stddev	.0001	.0001	.0001	.0007	.0001	.0017
%RSD	9.450	26.06	317.0	28.50	243.3	17.56

#1	-.0011	-.0006	.0000	.0023	.0000	-.0108
#2	-.0011	-.0004	-.0001	.0017	-.0001	-.0077
#3	-.0010	-.0004	.0001	.0030	.0002	-.0105

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0001	-.0017	-.0007	.0000	-.0001
Stddev	.0001	.0001	.0010	.0003	.000	.0001
%RSD	65.39	204.9	57.56	47.29	65230.	58.43

#1	.0001	-.0001	-.0006	-.0005	.0001	-.0002
#2	.0000	.0002	-.0023	-.0005	-.0002	-.0002
#3	.0001	.0000	-.0021	-.0011	.0001	.0000

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0001	.0000	.0000	.0003	.0005
Stddev	.0001	.0001	.000	.0001	.0001	.0002
%RSD	27.55	91.10	317.3	909.8	18.43	34.22

#1	.0002	.0000	.0000	-.0001	.0003	.0003
#2	.0003	-.0002	-.0001	-.0001	.0002	.0005
#3	.0002	-.0002	.0000	.0002	.0004	.0007

Sample Name: CAL_BLK Acquired: 6/29/2012 10:41:20 Type: Cal
Method: SW84606112012(v17) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0023	.0001	.0015
Stddev	.0001	.0004	.0006	.0008
%RSD	49.90	19.63	612.6	54.41

#1	.0001	-.0025	-.0005	.0024
#2	.0002	-.0018	.0002	.0010
#3	.0002	-.0026	.0006	.0010

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2339.2	26085.	3615.3
Stddev	3.7	68.	16.9
%RSD	.15829	.26156	.46740

#1	2339.5	26131.	3613.1
#2	2342.8	26006.	3599.6
#3	2335.4	26117.	3633.2

Sample Name: DCAL1 Acquired: 6/29/2012 10:45:05 Type: Cal
Method: SW84606112012(v17) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0086	.0002	.0033	.5344	.0090	.2701
Stddev	.0008	.0001	.0002	.0004	.0003	.0006
%RSD	9.240	52.50	4.568	.0722	3.742	.2257

#1	.0095	.0001	.0034	.5342	.0091	.2694
#2	.0086	.0003	.0032	.5349	.0093	.2704
#3	.0079	.0003	.0035	.5342	.0087	.2706

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.0154	.0586	.0029	.0059	.0016	.1433
Stddev	.0005	.0003	.0001	.0009	.0000	.0020
%RSD	2.934	.5509	2.373	14.32	1.605	1.411

#1	.0150	.0588	.0029	.0053	.0016	.1417
#2	.0159	.0582	.0028	.0056	.0016	.1456
#3	.0153	.0588	.0029	.0069	.0015	.1426

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.1390	.0174	.6825	.0378	.0014	.0010
Stddev	.0003	.0002	.0002	.0001	.0002	.0001
%RSD	.2491	1.223	.0316	.2847	11.54	13.70

#1	.1386	.0176	.6823	.0378	.0014	.0010
#2	.1389	.0172	.6824	.0378	.0015	.0009
#3	.1393	.0173	.6827	.0380	.0012	.0012

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	.0007	.0153	.0400	.0147	.0169
Stddev	.0002	.0002	.0000	.0003	.0001	.0002
%RSD	30.45	24.17	.0567	.6439	.7604	.9615

#1	.0005	.0008	.0153	.0403	.0145	.0170
#2	.0008	.0007	.0153	.0398	.0147	.0169
#3	.0005	.0005	.0153	.0400	.0147	.0167

Sample Name: DCAL1 Acquired: 6/29/2012 10:45:05 Type: Cal
Method: SW84606112012(v17) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0075	.1024	.0104	.0065
Stddev	.0000	.0007	.0007	.0004
%RSD	.2230	.6719	6.723	6.094

#1	.0075	.1016	.0096	.0062
#2	.0075	.1028	.0110	.0069
#3	.0075	.1028	.0105	.0064

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2342.8	26055.	3657.9
Stddev	3.3	15.	13.0
%RSD	.14059	.05848	.35405

#1	2339.6	26045.	3668.2
#2	2342.8	26073.	3662.1
#3	2346.2	26047.	3643.3

Sample Name: DCAL2 Acquired: 6/29/2012 10:48:47 Type: Cal
Method: SW84606112012(v17) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.169	.0366	.0878	5.218	.8461	1.354
Stddev	.004	.0003	.0003	.008	.0036	.004
%RSD	.3612	.9519	.3279	.1516	.4224	.2974

#1	1.169	.0366	.0878	5.222	.8432	1.351
#2	1.174	.0363	.0881	5.209	.8501	1.359
#3	1.165	.0370	.0876	5.223	.8450	1.353

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.9730	.5788	.2710	.3763	.1883	.3031
Stddev	.0023	.0013	.0003	.0009	.0003	.0053
%RSD	.2333	.2207	.1264	.2302	.1524	1.761

#1	.9749	.5797	.2708	.3757	.1882	.3024
#2	.9705	.5773	.2707	.3773	.1887	.3088
#3	.9736	.5793	.2714	.3760	.1882	.2982

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.6804	1.106	3.384	.4609	.4294	.0214
Stddev	.0010	.001	.011	.0011	.0010	.0000
%RSD	.1527	.1299	.3193	.2448	.2219	.1287

#1	.6793	1.105	3.380	.4607	.4292	.0214
#2	.6814	1.105	3.396	.4599	.4285	.0214
#3	.6804	1.108	3.375	.4621	.4304	.0215

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0367	.0515	.1529	.6544	.0635	.4143
Stddev	.0002	.0002	.0003	.0021	.0002	.0005
%RSD	.6674	.3078	.1830	.3243	.3416	.1232

#1	.0368	.0514	.1527	.6568	.0635	.4148
#2	.0364	.0515	.1527	.6533	.0633	.4143
#3	.0368	.0517	.1532	.6530	.0637	.4138

Sample Name: DCAL2 Acquired: 6/29/2012 10:48:47 Type: Cal
Method: SW84606112012(v17) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0283	5.022	1.043	.0663
Stddev	.0002	.009	.003	.0016
%RSD	.7709	.1890	.3003	2.346

#1	.0281	5.016	1.041	.0652
#2	.0282	5.033	1.046	.0681
#3	.0285	5.016	1.040	.0656

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2311.0	25631.	3653.4
Stddev	5.4	27.	6.5
%RSD	.23575	.10542	.17755

#1	2309.1	25659.	3654.5
#2	2317.2	25605.	3659.3
#3	2306.8	25629.	3646.5

Sample Name: DCAL3 Acquired: 6/29/2012 10:52:14 Type: Cal
Method: SW84606112012(v17) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.809	.1870	.4510	25.53	4.177	6.711
Stddev	.009	.0006	.0006	.02	.013	.007
%RSD	.1559	.3425	.1294	.0946	.3108	.1109

#1	5.808	.1875	.4513	25.50	4.185	6.710
#2	5.819	.1873	.4514	25.54	4.185	6.719
#3	5.801	.1863	.4504	25.55	4.162	6.704

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	4.748	2.806	1.348	1.850	.9254	1.588
Stddev	.005	.001	.003	.005	.0014	.002
%RSD	.1036	.0473	.2201	.2706	.1538	.1292

#1	4.743	2.805	1.349	1.850	.9267	1.588
#2	4.752	2.808	1.349	1.855	.9255	1.590
#3	4.750	2.806	1.344	1.845	.9239	1.586

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	3.440	5.457	16.99	2.230	2.071	.1090
Stddev	.007	.008	.01	.003	.001	.0003
%RSD	.1951	.1474	.0724	.1232	.0632	.2757

#1	3.446	5.465	16.99	2.233	2.069	.1093
#2	3.442	5.455	17.00	2.229	2.072	.1087
#3	3.433	5.450	16.97	2.228	2.071	.1089

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1846	.2407	.7681	3.196	.3122	2.063
Stddev	.0000	.0004	.0019	.002	.0014	.002
%RSD	.0239	.1509	.2495	.0766	.4488	.1161

#1	.1846	.2411	.7703	3.194	.3106	2.061
#2	.1846	.2404	.7675	3.199	.3133	2.064
#3	.1847	.2406	.7666	3.196	.3127	2.065

Sample Name: DCAL3 Acquired: 6/29/2012 10:52:14 Type: Cal
Method: SW84606112012(v17) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1384	25.14	5.213	.3175
Stddev	.0003	.05	.008	.0010
%RSD	.2185	.1914	.1554	.3198

#1	.1381	25.15	5.205	.3165
#2	.1387	25.19	5.221	.3174
#3	.1385	25.09	5.214	.3186

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2210.1	24288.	3632.3
Stddev	1.6	121.	18.1
%RSD	.07059	.49675	.49891

#1	2208.7	24182.	3612.2
#2	2211.8	24263.	3647.3
#3	2209.9	24419.	3637.4

Sample Name: DCAL4 Acquired: 6/29/2012 10:55:34 Type: Cal
Method: SW84606112012(v17) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	11.60	.3758	.9149	49.86	8.293	13.25
Stddev	.02	.0013	.0008	.11	.006	.02
%RSD	.1568	.3442	.0926	.2231	.0741	.1804

#1	11.61	.3767	.9149	49.95	8.287	13.23
#2	11.58	.3763	.9140	49.89	8.299	13.24
#3	11.61	.3743	.9157	49.73	8.291	13.27

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	9.251	5.495	2.641	3.701	1.802	3.250
Stddev	.027	.017	.005	.002	.003	.011
%RSD	.2882	.3034	.1833	.0555	.1866	.3374

#1	9.275	5.509	2.646	3.700	1.805	3.238
#2	9.256	5.499	2.642	3.701	1.803	3.253
#3	9.223	5.477	2.636	3.704	1.799	3.260

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.798	10.48	33.79	4.347	4.014	.2196
Stddev	.019	.03	.07	.011	.011	.0010
%RSD	.2806	.3138	.2192	.2614	.2793	.4476

#1	6.814	10.44	33.86	4.356	4.026	.2203
#2	6.801	10.50	33.71	4.349	4.013	.2200
#3	6.777	10.49	33.79	4.334	4.004	.2184

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3691	.4629	1.523	6.239	.6130	4.089
Stddev	.0016	.0018	.002	.024	.0006	.010
%RSD	.4243	.3826	.1173	.3794	.1038	.2554

#1	.3708	.4644	1.525	6.262	.6128	4.095
#2	.3688	.4634	1.522	6.242	.6137	4.095
#3	.3677	.4609	1.521	6.214	.6125	4.077

Sample Name: DCAL4 Acquired: 6/29/2012 10:55:34 Type: Cal
Method: SW84606112012(v17) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2719	49.90	10.38	.6180
Stddev	.0008	.81	.02	.0007
%RSD	.2928	1.630	.2011	.1156

#1	.2726	49.62	10.38	.6175
#2	.2719	49.27	10.35	.6188
#3	.2710	50.82	10.39	.6178

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2111.0	23368.	3549.3
Stddev	4.8	86.	15.0
%RSD	.22884	.36802	.42185

#1	2105.6	23297.	3536.3
#2	2112.7	23344.	3565.7
#3	2114.8	23464.	3545.8

Sample Name: ICV Acquired: 6/29/2012 10:59:15 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124900.	2467.	1242.	10040.	1003.	126700.
Stddev	126.	10.	2.	12.	2.	228.
%RSD	.1009	.4106	.1685	.1235	.1563	.1803

#1	124700.	2472.	1244.	10050.	1001.	126400.
#2	125000.	2473.	1243.	10050.	1004.	126800.
#3	124900.	2455.	1240.	10030.	1003.	126800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1257.	2489.	4990.	12600.	99800.	49870.
Stddev	2.	4.	14.	21.	99.	37.
%RSD	.1834	.1794	.2806	.1663	.0996	.0747

#1	1258.	2493.	5005.	12580.	99890.	49840.
#2	1257.	2490.	4989.	12630.	99830.	49850.
#3	1254.	2484.	4977.	12600.	99700.	49910.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122600.	5125.	124400.	2513.	7556.	1008.
Stddev	485.	3.	154.	6.	11.	2.
%RSD	.3961	.0619	.1238	.2483	.1481	.1858

#1	123000.	5127.	124200.	2519.	7569.	1009.
#2	122600.	5121.	124400.	2514.	7552.	1006.
#3	122100.	5126.	124500.	2506.	7548.	1009.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 6/29/2012 10:59:15 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2424.	2556.	2476.	2480.	1045.	2523.
Stddev	15.	10.	2.	4.	3.	3.
%RSD	.6123	.3766	.0969	.1585	.2770	.1082

#1	2440.	2555.	2478.	2484.	1048.	2525.
#2	2421.	2566.	2474.	2480.	1046.	2525.
#3	2410.	2546.	2475.	2476.	1042.	2520.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1002.	5043.	10040.	10230.
Stddev	1.	10.	25.	45.
%RSD	.1072	.2069	.2515	.4436

#1	1003.	5033.	10010.	10200.
#2	1001.	5053.	10050.	10280.
#3	1002.	5043.	10050.	10210.

Check ?	Chk Pass	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	2191.0	24203.	3572.0
Stddev	5.9	57.	8.9
%RSD	.26969	.23377	.24890

#1	2190.6	24162.	3577.9
#2	2185.3	24179.	3576.5
#3	2197.1	24267.	3561.8

Sample Name: CCB Acquired: 6/29/2012 11:02:35 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.94	.6603	.6030	.6790	.0754	30.62
Stddev	27.29	.5585	.2866	.4096	.0892	13.00
%RSD	228.5	84.58	47.53	60.32	118.2	42.44

#1	37.08	.0240	.8990	1.137	.1129	40.67
#2	15.84	1.069	.3269	.5540	-.0264	35.25
#3	-17.09	.8879	.5831	.3466	.1398	15.95

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	.1247	.1270	.6904	2.073	11.07	178.3
Stddev	.0456	.0640	.4381	2.009	14.37	52.0
%RSD	36.58	50.43	63.46	96.89	129.8	29.20

#1	.0974	.0541	1.185	-.2315	27.38	234.6
#2	.1774	.1523	.5328	3.453	.2475	132.0
#3	.0993	.1744	.3528	2.998	5.584	168.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.505	.5187	81.28	.4925	.8350	3.157
Stddev	8.274	.5794	38.65	.2435	1.263	2.531
%RSD	97.29	111.7	47.55	49.45	151.3	80.18

#1	17.64	1.175	123.4	.3139	2.087	1.055
#2	6.373	.3042	73.07	.3938	-.4399	2.450
#3	1.505	.0773	47.40	.7700	.8582	5.967

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/29/2012 11:02:35 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1442	.5937	.5567	.3093	3.015	3.227
Stddev	1.188	2.041	.2173	.0791	1.290	.494
%RSD	823.9	343.7	39.04	25.58	42.78	15.29
#1	.5293	2.492	.3352	.3432	4.387	3.681
#2	-1.189	.8545	.7696	.3658	2.829	3.300
#3	1.092	-1.565	.5652	.2189	1.828	2.702

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5546	.7057	2.479	-19.35
Stddev	1.124	.5943	.370	5.42
%RSD	202.7	84.22	14.92	28.01
#1	-1.1590	1.389	2.571	-25.40
#2	-.0273	.4161	2.795	-14.95
#3	1.850	.3117	2.072	-17.70

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2336.6	26162.	3605.0
Stddev	4.3	36.	8.1
%RSD	.18302	.13770	.22349
#1	2332.1	26194.	3607.8
#2	2337.0	26168.	3595.9
#3	2340.6	26123.	3611.3

Sample Name: IC5A 1552029 Acquired: 6/29/2012 11:06:22 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	506700.	-8.486	-2.102	-2.089	-.2251	482800.
Stddev	938.	3.446	.3429	.303	.1090	1143.
%RSD	.1852	40.61	163.2	14.51	48.44	.2368

#1	506500.	-9.710	.0052	-1.744	-.1156	483400.
#2	507700.	-11.15	-.0300	-2.214	-.2260	483500.
#3	505900.	-4.595	-.6056	-2.310	-.3337	481400.

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	.9640	-.6632	.2675	.5946	198000.	28.69
Stddev	.1124	.2986	.5623	5.073	347.	32.00
%RSD	11.66	45.03	210.2	853.1	.1750	111.6

#1	.8889	-.9136	.5774	6.144	198300.	62.12
#2	.9098	-.7433	-.3815	-.5582	198100.	25.60
#3	1.093	-.3327	.6066	-3.802	197600.	-1.659

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	506900.	-2.832	33.67	.8715	5.313	-1.163
Stddev	4490.	.126	34.90	.0557	3.396	3.053
%RSD	.8859	4.449	103.6	6.388	63.92	262.5

#1	511800.	-2.689	-6.581	.8452	4.574	-4.674
#2	503100.	-2.925	55.42	.9354	2.347	.3117
#3	505700.	-2.883	52.17	.8338	9.017	.8727

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: IC5A 1552029 Acquired: 6/29/2012 11:06:22 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.502	-3.983	-3.860	.4473	.4650	-2.738
Stddev	2.988	4.262	.098	.1190	.5912	.057
%RSD	85.31	107.0	2.548	26.60	127.1	2.083
#1	-.3896	.4799	-3.867	.3552	.2230	-2.789
#2	-6.347	-8.010	-3.759	.4051	.0332	-2.750
#3	-3.770	-4.419	-3.955	.5817	1.139	-2.676

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5965	-.3469	3.726	-11.74
Stddev	2.630	.1133	.683	21.42
%RSD	440.9	32.67	18.34	182.4
#1	.9588	-.2385	4.136	-36.34
#2	-2.196	-.3375	2.937	2.789
#3	3.026	-.4646	4.104	-1.678

Check ? **Chk Pass** **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	2111.4	23025.	3532.2
Stddev	6.8	40.	17.7
%RSD	.32130	.17162	.49998
#1	2117.2	22994.	3550.2
#2	2113.2	23069.	3514.9
#3	2104.0	23010.	3531.4

Sample Name: ICSAB 1552027 Acquired: 6/29/2012 11:10:10 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	507600.	90.40	106.5	98.83	98.69	484700.
Stddev	849.	2.07	.3	.17	.28	1036.
%RSD	.1674	2.291	.2483	.1703	.2815	.2138

#1	507100.	88.98	106.2	98.80	98.40	484000.
#2	507000.	89.45	106.7	99.02	98.72	484200.
#3	508500.	92.78	106.6	98.69	98.95	485900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	97.60	95.60	98.28	96.78	198400.	10530.
Stddev	.25	.10	1.01	6.43	244.	79.
%RSD	.2554	.1015	1.025	6.646	.1229	.7465

#1	97.55	95.70	99.04	89.40	198600.	10530.
#2	97.38	95.58	98.68	101.2	198400.	10610.
#3	97.87	95.51	97.14	99.72	198100.	10450.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	507200.	98.39	10700.	95.28	99.60	91.80
Stddev	2413.	.38	58.	.09	2.58	1.16
%RSD	.4757	.3815	.5444	.0934	2.588	1.265

#1	504700.	98.81	10750.	95.24	98.68	91.53
#2	509500.	98.28	10640.	95.21	97.61	90.80
#3	507400.	98.08	10720.	95.38	102.5	93.08

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1552027 Acquired: 6/29/2012 11:10:10 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	91.49	94.57	95.15	97.09	99.65	94.44
Stddev	1.13	2.11	.56	.33	.65	.56
%RSD	1.234	2.236	.5918	.3402	.6552	.5976
#1	92.78	96.81	95.24	97.36	99.72	95.05
#2	90.67	92.60	95.67	96.72	100.3	94.33
#3	91.03	94.30	94.55	97.18	98.97	93.94

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	97.90	102.3	101.7	40.98
Stddev	1.83	.1	1.5	7.93
%RSD	1.866	.1231	1.461	19.36
#1	97.02	102.3	102.3	32.83
#2	96.68	102.1	100.0	41.43
#3	100.0	102.4	102.8	48.68

Check ? Chk Pass 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	2114.5	23013.	3555.3
Stddev	6.2	66.	6.6
%RSD	.29155	.28559	.18539
#1	2119.4	23017.	3551.6
#2	2116.4	23076.	3562.9
#3	2107.6	22945.	3551.4

Sample Name: INT-10 1552031 Acquired: 6/29/2012 11:13:49 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.64	-3.136	-5.276	.7435	-1.179	72.19
Stddev	52.08	1.069	.890	.0586	.059	71.61
%RSD	295.2	34.10	16.86	7.880	4.970	99.20

#1	77.77	-4.156	-5.016	.7815	-1.131	152.6
#2	-13.02	-3.231	-6.267	.7730	-1.162	48.79
#3	-11.84	-2.023	-4.546	.6761	-1.245	15.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3477	10240.	10060.	-2.827	6.817	26.20
Stddev	.1357	34.	20.	2.394	6.610	9.75
%RSD	39.04	.3296	.2008	84.67	96.97	37.22

#1	-.3320	10270.	10080.	-3.657	10.53	15.21
#2	-.4905	10250.	10060.	-.1289	10.74	33.81
#3	-.2205	10200.	10040.	-4.695	-.8149	29.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71.38	10250.	64.42	10380.	-4.525	-4.104
Stddev	42.55	52.	5.66	30.	1.731	3.733
%RSD	59.61	.5029	8.786	.2872	38.25	90.96

#1	119.7	10310.	61.09	10400.	-3.641	-3.350
#2	54.90	10210.	70.96	10380.	-6.519	-.8056
#3	39.54	10230.	61.21	10340.	-3.414	-8.156

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1552031 Acquired: 6/29/2012 11:13:49 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.453	-8.164	4940.	-7.942	1.681	5118.
Stddev	1.650	1.960	8.	.090	.512	18.
%RSD	113.6	24.01	.1589	1.139	30.46	.3504

#1	.4395	-5.921	4948.	-7.972	2.181	5126.
#2	-2.588	-9.550	4939.	-8.014	1.158	5131.
#3	-2.209	-9.020	4933.	-7.840	1.704	5098.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10260.	9960.	9894.	10490.
Stddev	43.	100.	21.	258.
%RSD	.4228	1.004	.2169	2.457

#1	10270.	9876.	9909.	10210.
#2	10290.	9933.	9870.	10530.
#3	10210.	10070.	9904.	10720.

Check ?	Chk Pass	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	2338.2	26308.	3659.7
Stddev	1.4	30.	15.8
%RSD	.06118	.11492	.43080

#1	2338.7	26277.	3648.7
#2	2339.2	26338.	3677.8
#3	2336.5	26309.	3652.7

Sample Name: 460-41740-e-16-a Acquired: 6/29/2012 11:17:39 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.065	1.225	-0.0029	-1.1107	-0.0585	21.09
Stddev	13.87	.608	.6821	.0779	.2043	10.48
%RSD	1302.	49.59	23710.	70.32	349.3	49.69

#1	12.11	1.263	-.5634	-.1749	-.2501	19.15
#2	-15.53	.5994	.7565	-.0241	-.0820	11.72
#3	.2306	1.813	-.2018	-.1332	.1565	32.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0647	.2335	.9948	2.349	21.30	37.31
Stddev	.0829	.5023	.3710	2.991	6.21	70.35
%RSD	128.0	215.2	37.30	127.3	29.17	188.5

#1	.1047	.6855	1.401	.2610	28.21	114.1
#2	-.0305	.3222	.9090	1.011	19.50	21.90
#3	.1201	-.3073	.6742	5.776	16.18	-24.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.185	.7235	11.40	.6687	.6823	2.800
Stddev	2.051	.5928	5.23	.4455	1.024	1.496
%RSD	173.0	81.94	45.92	66.63	150.0	53.45

#1	.9569	1.392	6.270	1.071	-.2024	1.079
#2	-3.131	.5151	11.19	.7453	1.803	3.799
#3	-1.382	.2629	16.73	.1898	.4461	3.520

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41740-e-16-a Acquired: 6/29/2012 11:17:39 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.594	-1.073	.0663	.9548	4.163	6.663
Stddev	1.449	.594	.1982	.1109	.645	1.807
%RSD	315.4	55.32	298.9	11.61	15.49	27.12
#1	-1.1314	-.8498	-.1520	.8271	3.691	8.666
#2	-2.044	-.6233	.1160	1.027	4.898	6.171
#3	.7973	-1.746	.2350	1.011	3.901	5.153

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.322	1.101	2.500	14.42
Stddev	.984	.703	1.422	27.70
%RSD	74.43	63.87	56.88	192.1
#1	2.037	1.874	3.926	28.63
#2	1.728	.9311	2.493	32.12
#3	.1999	.4987	1.082	-17.50

Check ? **Chk Pass** **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	2373.2	26592.	3665.6
Stddev	3.0	43.	17.0
%RSD	.12726	.16029	.46435
#1	2372.5	26558.	3683.3
#2	2376.5	26579.	3649.4
#3	2370.6	26640.	3664.2

Sample Name: 460-41546-a-3-b@10 Acquired: 6/29/2012 11:21:24 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15880.	15.57	.9012	146.9	-.0082	5436.
Stddev	36.	2.46	.3842	.1	.0996	2.
%RSD	.2265	15.80	42.63	.0500	1221.	.0283

#1	15870.	13.27	.5347	146.9	-.0290	5435.
#2	15920.	18.17	.8679	146.8	.1002	5435.
#3	15840.	15.28	1.301	146.9	-.0957	5438.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.098	29.92	48.85	81.14	114700.	1525.
Stddev	.141	.24	.32	2.03	358.	24.
%RSD	4.543	.7876	.6547	2.500	.3124	1.560

#1	3.141	29.81	49.20	82.92	114300.	1503.
#2	2.941	30.20	48.58	78.93	115000.	1522.
#3	3.213	29.77	48.77	81.57	114700.	1550.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5054.	880.8	-12.55	48.02	51.73	1.243
Stddev	6.	3.6	5.39	.27	2.43	2.326
%RSD	.1261	.4102	42.95	.5700	4.701	187.1

#1	5056.	876.7	-11.77	47.98	52.99	3.873
#2	5059.	883.5	-7.586	48.31	53.27	.3983
#3	5047.	882.2	-18.28	47.77	48.92	-.5425

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41546-a-3-b@10 Acquired: 6/29/2012 11:21:24 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.451	-.1333	46.19	1032.	2.758	3.916
Stddev	2.221	.9310	.54	1.	.399	.258
%RSD	153.0	698.3	1.167	.1378	14.46	6.576

#1	1.102	-.1444	46.62	1033.	2.505	4.034
#2	-2.931	.8032	46.36	1032.	3.218	3.621
#3	-2.525	-1.059	45.58	1030.	2.551	4.094

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.513	35.34	1116.	385.6
Stddev	.217	.23	2.	31.8
%RSD	2.548	.6482	.1975	8.257

#1	8.380	35.10	1117.	361.2
#2	8.763	35.56	1118.	421.6
#3	8.395	35.36	1114.	374.1

Check ?	Chk Pass	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	2367.4	26403.	3700.0
Stddev	3.1	63.	15.5
%RSD	.13292	.23939	.41923

#1	2369.3	26462.	3703.5
#2	2363.8	26336.	3683.0
#3	2369.1	26412.	3713.4

Sample Name: 460-41817-e-4-g du@4 Acquired: 6/29/2012 11:25:01 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9516.	2.727	.6255	31.13	.0368	1079.
Stddev	41.	.991	.1428	.07	.0443	22.
%RSD	.4269	36.32	22.83	.2222	120.4	2.081

#1	9480.	2.527	.6695	31.19	-.0117	1101.
#2	9560.	1.852	.7411	31.14	.0471	1079.
#3	9507.	3.803	.4659	31.05	.0750	1056.

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	.8711	13.45	6.280	8436.	400.1
Stddev	.1040	.2505	.15	2.363	15.	47.3
%RSD	43.10	28.76	1.081	37.63	.1757	11.82

#1	.3447	1.084	13.46	3.794	8449.	364.6
#2	.1367	.5952	13.59	8.497	8440.	453.8
#3	.2424	.9340	13.30	6.551	8420.	381.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	322.3	25.18	23.05	5.726	41.48	2.825
Stddev	2.1	.02	10.01	.206	1.00	1.322
%RSD	.6408	.0598	43.42	3.598	2.405	46.80

#1	322.8	25.19	25.75	5.903	42.36	1.760
#2	320.0	25.16	31.44	5.775	40.39	4.305
#3	324.0	25.19	11.97	5.500	41.69	2.410

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41817-e-4-g du@4 Acquired: 6/29/2012 11:25:01 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.047	-2.163	19.83	51.12	2.932	.0782
Stddev	1.377	1.568	.49	.10	.384	.2707
%RSD	131.5	72.48	2.479	.1921	13.10	346.2
#1	.3824	-2.090	20.39	51.18	3.200	-.2290
#2	-1.158	-.6336	19.50	51.18	3.103	.1820
#3	-2.364	-3.767	19.60	51.01	2.492	.2816

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2994	7.668	117.5	635.4
Stddev	.4739	.087	1.5	19.8
%RSD	158.3	1.141	1.263	3.109
#1	-.1148	7.759	117.4	614.0
#2	.1968	7.585	116.1	639.4
#3	.8162	7.661	119.0	652.9

Check ? Chk Pass 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	2362.0	26475.	3647.9
Stddev	11.1	83.	10.5
%RSD	.46872	.31322	.28735
#1	2354.3	26412.	3636.4
#2	2357.0	26444.	3657.0
#3	2374.7	26569.	3650.4

Sample Name: 460-41817-e-4-f@4 Acquired: 6/29/2012 11:28:43 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9152.	3.033	.3006	30.29	-.0166	1062.
Stddev	23.	1.224	.2229	.05	.1567	18.
%RSD	.2547	40.34	74.17	.1796	941.0	1.739

#1	9175.	4.127	.4034	30.26	.1496	1048.
#2	9128.	3.261	.0448	30.25	-.0381	1056.
#3	9154.	1.712	.4535	30.35	-.1615	1083.

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	.1512	.9808	15.47	6.790	8729.	376.7
Stddev	.0831	.1926	.32	3.737	63.	75.0
%RSD	54.98	19.64	2.098	55.04	.7161	19.92

#1	.0553	1.041	15.10	5.923	8671.	421.1
#2	.1971	1.136	15.66	3.563	8795.	418.9
#3	.2013	.7651	15.66	10.88	8721.	290.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	311.6	24.68	21.20	5.399	40.66	3.950
Stddev	3.2	.09	15.59	.191	2.25	1.490
%RSD	1.014	.3755	73.53	3.534	5.538	37.72

#1	315.2	24.74	36.52	5.610	43.22	2.691
#2	309.7	24.74	21.72	5.239	39.01	5.595
#3	309.8	24.58	5.357	5.347	39.74	3.564

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41817-e-4-f@4 Acquired: 6/29/2012 11:28:43 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.253	-1.836	19.66	46.80	2.997	.1946
Stddev	3.130	1.649	.48	.10	.571	.2633
%RSD	138.9	89.82	2.427	.2060	19.05	135.3
#1	.7785	-3.004	19.55	46.73	2.858	.1281
#2	-2.065	-2.555	19.24	46.75	2.509	.4848
#3	-5.473	.0505	20.18	46.91	3.625	-.0291

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9864	8.190	105.7	547.8
Stddev	1.071	.089	1.2	20.6
%RSD	108.6	1.087	1.142	3.768
#1	.7071	8.181	105.1	530.4
#2	.0828	8.284	107.1	542.4
#3	2.169	8.107	105.0	570.6

Check ? Chk Pass 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	2371.6	26518.	3680.5
Stddev	5.9	128.	16.3
%RSD	.25065	.48273	.44219
#1	2367.9	26463.	3669.6
#2	2378.5	26426.	3699.3
#3	2368.5	26664.	3672.8

Sample Name: sd 460-41817-e-4-f@2 Acquired: 6/29/2012 11:32:26 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1802.	.9187	-.1554	5.898	-.0853	236.1
Stddev	32.	.9920	.0802	.178	.0557	9.7
%RSD	1.749	108.0	51.59	3.025	65.29	4.115
#1	1780.	-.0952	-.1623	6.054	-.1483	227.4
#2	1838.	.9639	-.2318	5.703	-.0429	234.4
#3	1788.	1.887	-.0720	5.937	-.0646	246.6

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	.0536	.1546	2.816	2.116	1704.	4.236
Stddev	.0325	.1961	.120	3.307	9.	62.03
%RSD	60.73	126.8	4.265	156.3	.5121	1464.
#1	.0398	.3147	2.780	.8687	1711.	-26.27
#2	.0302	.2131	2.949	-.3852	1707.	-36.64
#3	.0907	-.0641	2.717	5.865	1694.	75.61

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57.73	4.779	13.84	1.182	7.025	2.519
Stddev	3.60	.048	11.33	.106	2.073	.407
%RSD	6.238	1.010	81.89	8.946	29.50	16.14
#1	54.02	4.829	.7989	1.233	8.690	2.640
#2	57.98	4.733	19.40	1.252	4.704	2.066
#3	61.21	4.776	21.31	1.060	7.681	2.852

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: sd 460-41817-e-4-f@2 Acquired: 6/29/2012 11:32:26 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.189	-1.027	3.569	10.01	1.379	-.8994
Stddev	3.215	2.041	.346	.05	.482	.4414
%RSD	100.8	198.8	9.688	.5390	34.95	49.08
#1	-2.470	-3.346	3.934	9.998	1.480	-.5211
#2	-6.702	.4938	3.529	10.07	1.802	-.7926
#3	-.3945	-.2279	3.246	9.966	.8545	-1.384

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.152	1.667	21.38	90.66
Stddev	1.175	.237	2.16	18.63
%RSD	102.0	14.20	10.10	20.55
#1	-.0481	1.863	19.74	84.51
#2	1.202	1.735	20.56	111.6
#3	2.300	1.404	23.82	75.87

Check ? Chk Pass 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	2383.5	26688.	3657.9
Stddev	6.2	80.	8.9
%RSD	.25897	.30057	.24374
#1	2390.6	26596.	3668.0
#2	2380.9	26724.	3654.4
#3	2379.1	26744.	3651.3

Sample Name: 460-41817-e-4-h ms@4 Acquired: 6/29/2012 11:36:10 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21550.	920.9	23.47	1053.	24.57	10980.
Stddev	94.	4.2	.59	2.	.07	41.
%RSD	.4344	.4548	2.530	.2324	.2983	.3769
#1	21610.	923.3	23.25	1051.	24.63	11000.
#2	21600.	923.2	24.15	1055.	24.59	11010.
#3	21440.	916.0	23.03	1051.	24.49	10930.

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	25.07	251.2	120.1	128.7	9675.	9746.
Stddev	.02	.9	.3	5.9	4.	55.
%RSD	.0936	.3616	.2617	4.592	.0440	.5671
#1	25.09	251.0	120.0	133.3	9676.	9756.
#2	25.05	252.2	120.4	130.7	9679.	9795.
#3	25.08	250.4	119.9	122.0	9670.	9686.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9937.	281.4	9527.	262.1	305.7	188.2
Stddev	26.	.9	31.	.5	.5	2.0
%RSD	.2625	.3112	.3281	.2061	.1721	1.047
#1	9927.	281.6	9563.	261.5	305.3	190.2
#2	9967.	282.0	9516.	262.3	306.3	188.2
#3	9918.	280.4	9503.	262.5	305.5	186.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41817-e-4-h ms@4 Acquired: 6/29/2012 11:36:10 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	906.0	1060.	266.0	299.8	244.9	238.2
Stddev	2.4	4.	1.3	.6	.5	.6
%RSD	.2653	.3452	.4907	.1954	.2064	.2697
#1	903.5	1060.	267.1	299.5	244.6	238.3
#2	906.1	1064.	266.3	300.5	245.4	238.8
#3	908.3	1057.	264.5	299.5	244.5	237.6

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	242.1	260.0	387.9	1671.
Stddev	2.6	1.3	1.7	37.
%RSD	1.057	.5123	.4433	2.195
#1	239.2	261.1	389.9	1641.
#2	244.0	260.2	387.4	1712.
#3	243.1	258.5	386.5	1660.

Check ? **Chk Pass** **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	2329.5	25980.	3648.8
Stddev	7.7	78.	20.8
%RSD	.33045	.29958	.57112
#1	2328.3	25935.	3625.1
#2	2322.5	25935.	3657.0
#3	2337.7	26070.	3664.3

Sample Name: lcssrm 460-117951/2- Acquired: 6/29/2012 11:39:40 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32130.	1133.	225.9	1230.	460.0	33980.
Stddev	74.	3.	.5	.	2.5	165.
%RSD	.2311	.2462	.2376	.0297	.5428	.4861

#1	32070.	1135.	225.8	1229.	459.3	33860.
#2	32210.	1133.	226.4	1230.	462.8	34170.
#3	32100.	1129.	225.4	1230.	457.9	33910.

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	979.1	935.2	646.4	614.2	60230.	11180.
Stddev	1.0	1.3	2.0	4.0	90.	110.
%RSD	.1057	.1402	.3057	.6590	.1500	.9794

#1	979.2	935.6	648.7	611.2	60270.	11070.
#2	980.1	936.2	645.0	618.8	60280.	11290.
#3	978.0	933.7	645.6	612.6	60120.	11180.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12720.	1756.	2523.	622.0	530.6	907.4
Stddev	11.	3.	17.	1.1	1.2	1.9
%RSD	.0862	.1475	.6897	.1778	.2253	.2100

#1	12730.	1759.	2523.	623.1	529.3	907.5
#2	12730.	1755.	2505.	621.0	531.0	909.3
#3	12710.	1754.	2540.	621.8	531.5	905.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-117951/2- Acquired: 6/29/2012 11:39:40 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	525.9	853.2	584.5	893.8	579.4	499.5
Stddev	2.7	4.8	1.0	.8	.3	1.0
%RSD	.5203	.5667	.1651	.0885	.0467	.2094
#1	522.8	848.7	583.8	893.9	579.3	500.7
#2	527.6	858.3	585.6	894.5	579.7	499.1
#3	527.4	852.4	584.0	892.9	579.2	498.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	555.4	618.0	959.9	1850.
Stddev	1.9	2.6	.8	26.
%RSD	.3333	.4200	.0790	1.419
#1	557.5	616.5	959.7	1875.
#2	554.5	621.0	960.7	1853.
#3	554.1	616.6	959.2	1823.

Check ?	Chk Pass	Chk Pass	Chk Pass	None
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	2446.4	27150.	3848.4
Stddev	7.6	176.	25.7
%RSD	.30958	.65001	.66786
#1	2437.9	26946.	3831.6
#2	2449.1	27240.	3835.5
#3	2452.3	27263.	3878.0

Sample Name: CCV Acquired: 6/29/2012 11:43:08 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125600.	2523.	1258.	10210.	986.4	125000.
Stddev	69.	11.	3.	3.	.9	241.
%RSD	.0548	.4490	.2013	.0277	.0889	.1928

#1	125500.	2510.	1256.	10220.	985.4	124800.
#2	125700.	2531.	1256.	10220.	986.7	125000.
#3	125600.	2528.	1261.	10210.	987.1	125300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1282.	2527.	5095.	12400.	101500.	49330.
Stddev	1.	1.	8.	37.	146.	157.
%RSD	.0495	.0573	.1657	.3018	.1438	.3185

#1	1282.	2525.	5099.	12360.	101500.	49200.
#2	1282.	2528.	5086.	12400.	101400.	49300.
#3	1283.	2528.	5102.	12440.	101600.	49510.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125800.	5157.	124700.	2555.	7689.	1027.
Stddev	152.	7.	43.	1.	9.	.
%RSD	.1210	.1293	.0344	.0201	.1205	.0256

#1	125800.	5162.	124700.	2555.	7679.	1027.
#2	125600.	5150.	124700.	2554.	7691.	1028.
#3	126000.	5160.	124600.	2554.	7697.	1027.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/29/2012 11:43:08 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2484.	2594.	2508.	2524.	1048.	2558.
Stddev	4.	4.	4.	2.	3.	2.
%RSD	.1503	.1438	.1615	.0622	.2610	.0721

#1	2480.	2598.	2507.	2523.	1047.	2556.
#2	2487.	2591.	2505.	2526.	1052.	2560.
#3	2485.	2593.	2513.	2524.	1047.	2558.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1010.	5018.	10120.	10250.
Stddev	1.	4.	10.	24.
%RSD	.0981	.0777	.0959	.2326

#1	1009.	5014.	10110.	10230.
#2	1011.	5020.	10120.	10280.
#3	1011.	5021.	10130.	10250.

Check ?	Chk Pass	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	2215.2	24382.	3620.8
Stddev	1.8	48.	6.2
%RSD	.08268	.19791	.17249

#1	2213.1	24340.	3614.3
#2	2216.4	24435.	3626.8
#3	2216.1	24373.	3621.2

Sample Name: CCB Acquired: 6/29/2012 11:46:28 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.07	-.9002	.5842	.3388	-.0573	19.68
Stddev	15.68	.6384	.7158	.2788	.2550	22.29
%RSD	130.0	70.92	122.5	82.31	445.1	113.3

#1	-5.135	-1.578	1.045	.6582	.1014	32.45
#2	15.77	-.3106	.9478	.2140	-.3514	-6.063
#3	25.57	-.8117	-.2404	.1441	.0782	32.65

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	.1037	-.0379	.6831	3.116	6.300	92.13
Stddev	.0625	.2019	.5203	1.682	12.47	71.58
%RSD	60.26	532.6	76.16	53.99	197.9	77.70

#1	.1753	.1811	1.166	4.162	16.78	126.7
#2	.0754	-.2166	.1321	1.176	9.618	139.8
#3	.0604	-.0782	.7514	4.011	-7.494	9.821

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.823	.3403	46.61	.3574	-.1491	4.262
Stddev	6.768	.3031	15.91	.3704	.7400	1.667
%RSD	99.19	89.07	34.13	103.6	496.3	39.11

#1	13.20	.6836	61.91	-.0664	.4028	5.975
#2	7.544	.2280	47.75	.6191	-.9900	2.646
#3	-.2769	.1094	30.16	.5195	.1398	4.163

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/29/2012 11:46:28 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.2923	-1.705	.4443	.1869	2.452	1.854
Stddev	1.744	.386	.3601	.0984	.415	.398
%RSD	596.6	22.63	81.04	52.64	16.95	21.46
#1	-2.254	-1.259	.5755	.2673	2.931	2.258
#2	.2957	-1.928	.7204	.2162	2.222	1.842
#3	1.082	-1.928	.0371	.0772	2.202	1.462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7951	.5846	.9379	-14.97
Stddev	.4031	.3274	1.170	34.23
%RSD	50.70	56.00	124.7	228.6
#1	1.106	.8121	1.688	-54.30
#2	.9402	.7322	-.4102	8.034
#3	.3395	.2094	1.536	1.356

Check ?	Chk Pass	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	2353.8	26298.	3648.5
Stddev	9.3	32.	2.6
%RSD	.39377	.12358	.07184
#1	2364.0	26328.	3646.2
#2	2351.6	26303.	3651.3
#3	2345.8	26263.	3648.0

Sample Name: mb 460-117951/1-a@2 Acquired: 6/29/2012 11:50:14 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.968	-1.311	.1530	.0729	-.1342	9.190
Stddev	24.13	1.180	.7900	.0600	.0883	23.09
%RSD	269.1	90.06	516.2	82.37	65.78	251.3

#1	17.18	-2.446	-.4111	.0863	-.2197	-7.028
#2	27.92	-.0905	1.056	.1250	-.0433	35.63
#3	-18.20	-1.395	-.1857	.0073	-.1397	-1.034

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	.0062	-.0746	-.1001	-.5386	8.669	45.50
Stddev	.0218	.1921	.2903	4.238	3.244	19.05
%RSD	350.7	257.3	290.0	786.7	37.42	41.87

#1	.0138	-.2208	-.2173	-.7579	9.022	41.49
#2	.0232	-.1460	.2305	3.804	11.72	28.78
#3	-.0183	.1429	-.3135	-4.662	5.263	66.25

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0305	.0350	15.64	.9332	.8613	2.793
Stddev	5.228	.0419	6.69	.3936	.7353	.953
%RSD	17120.	119.7	42.80	42.17	85.37	34.11

#1	6.006	.0318	8.806	.6414	1.604	3.772
#2	-2.991	-.0052	22.18	.7774	.1332	1.868
#3	-3.107	.0783	15.93	1.381	.8472	2.740

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-117951/1-a@2 Acquired: 6/29/2012 11:50:14 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.377	-2.374	-.0377	.1664	4.416	.0000
Stddev	4.100	.449	.1777	.2532	.309	.3940
%RSD	121.4	18.91	470.8	152.2	6.999	3601000.
#1	-1.692	-2.885	-.0644	-.1052	4.740	.2629
#2	-.3877	-2.198	-.2006	.3960	4.125	.1901
#3	-8.050	-2.040	.1517	.2083	4.382	-.4530

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6266	.1632	.8240	21.77
Stddev	.7305	.2190	.2501	30.21
%RSD	116.6	134.2	30.35	138.8
#1	1.263	.0242	1.110	54.09
#2	.7884	.0498	.7162	16.98
#3	-.1712	.4156	.6459	-5.770

Check ?	Chk Pass	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	2255.5	25679.	3543.3
Stddev	36.3	75.	18.7
%RSD	1.6113	.29028	.52833
#1	2213.9	25760.	3560.0
#2	2271.6	25613.	3523.1
#3	2281.1	25665.	3546.8

Sample Name: pds 460-41817-e-4-f@ Acquired: 6/29/2012 11:53:58 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11010.	1894.	47.73	2055.	49.21	20900.
Stddev	51.	2.	.87	1.	.17	63.
%RSD	.4614	.1032	1.813	.0667	.3454	.3034

#1	11010.	1893.	47.61	2055.	49.35	20880.
#2	11070.	1892.	48.65	2057.	49.27	20970.
#3	10970.	1896.	46.93	2054.	49.02	20850.

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	50.58	507.8	215.5	251.2	9631.	18920.
Stddev	.04	.6	.7	.3	19.	30.
%RSD	.0694	.1117	.3390	.1212	.2022	.1596

#1	50.55	507.8	216.2	251.5	9635.	18890.
#2	50.58	508.3	215.7	251.1	9648.	18950.
#3	50.62	507.2	214.7	251.0	9610.	18920.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19280.	539.6	19240.	516.9	555.0	450.8
Stddev	30.	.7	59.	.8	1.7	3.3
%RSD	.1579	.1273	.3066	.1620	.3123	.7411

#1	19280.	539.5	19240.	516.9	555.3	449.5
#2	19300.	540.4	19300.	516.0	556.5	454.6
#3	19240.	539.0	19180.	517.7	553.1	448.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-41817-e-4-f@ Acquired: 6/29/2012 11:53:58 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1860.	2135.	507.2	543.3	500.2	498.6
Stddev	3.	5.	1.9	.5	1.2	.3
%RSD	.1562	.2430	.3656	.0947	.2485	.0689
#1	1857.	2131.	508.6	542.7	500.8	499.0
#2	1863.	2133.	507.9	543.6	501.1	498.3
#3	1859.	2141.	505.1	543.6	498.8	498.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	504.1	489.3	606.1	671.2
Stddev	1.2	1.5	3.7	39.5
%RSD	.2361	.2980	.6120	5.880
#1	503.0	489.8	607.9	629.2
#2	504.0	490.5	608.5	677.1
#3	505.4	487.7	601.8	707.5

Check ?	Chk Pass	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	2319.8	25751.	3654.1
Stddev	3.1	53.	13.1
%RSD	.13197	.20498	.35859
#1	2316.3	25756.	3648.0
#2	2320.7	25696.	3645.1
#3	2322.2	25801.	3669.1

Sample Name: 460-41817-e-1-d@4 Acquired: 6/29/2012 11:57:23 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6057.	1.163	.2474	26.76	-.0635	2854.
Stddev	25.	1.512	.6886	.06	.0252	25.
%RSD	.4050	130.0	278.3	.2425	39.66	.8705

#1	6030.	-.2040	1.028	26.81	-.0765	2833.
#2	6063.	.9061	-.0121	26.78	-.0796	2848.
#3	6078.	2.786	-.2737	26.68	-.0345	2882.

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	.1312	2.359	15.48	7.144	8647.	738.6
Stddev	.0824	.249	.37	2.514	36.	48.1
%RSD	62.79	10.55	2.366	35.19	.4167	6.509

#1	.1981	2.168	15.26	8.290	8675.	793.1
#2	.0392	2.268	15.90	4.262	8659.	720.6
#3	.1563	2.641	15.27	8.881	8606.	702.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2137.	74.78	97.94	8.539	103.4	9.304
Stddev	3.	.22	3.94	.245	1.1	1.414
%RSD	.1418	.2969	4.027	2.874	1.094	15.20

#1	2140.	74.72	94.63	8.804	104.0	10.20
#2	2136.	75.03	96.88	8.492	104.1	10.04
#3	2135.	74.60	102.3	8.320	102.1	7.674

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41817-e-1-d@4 Acquired: 6/29/2012 11:57:23 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.390	-1.239	12.76	75.98	6.305	-.6045
Stddev	1.338	.705	.17	.49	.575	.2936
%RSD	96.30	56.89	1.350	.6446	9.112	48.57
#1	.8919	-1.328	12.96	76.30	6.638	-.5360
#2	2.905	-.4943	12.62	76.22	6.637	-.3511
#3	.3715	-1.896	12.71	75.41	5.642	-.9262

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2658	13.03	337.2	370.3
Stddev	.5163	.22	1.6	7.1
%RSD	194.2	1.678	.4711	1.927
#1	.8619	12.80	337.6	378.5
#2	-.0411	13.05	335.4	366.0
#3	-.0234	13.24	338.5	366.3

Check ?	Chk Pass	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	2364.6	26532.	3668.7
Stddev	1.6	80.	12.3
%RSD	.06799	.30229	.33519
#1	2365.0	26440.	3682.3
#2	2365.9	26573.	3665.4
#3	2362.8	26584.	3658.3

Sample Name: 460-41817-e-2-d@4 Acquired: 6/29/2012 12:01:03 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9992.	7.451	.2737	58.35	.1635	10360.
Stddev	25.	2.883	.2515	.15	.0544	7.
%RSD	.2542	38.70	91.86	.2573	33.29	.0674

#1	9963.	6.968	.1679	58.36	.2110	10360.
#2	10010.	4.840	.5608	58.20	.1041	10370.
#3	10010.	10.55	.0925	58.50	.1754	10360.

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	.2103	6.312	26.75	22.27	16020.	1610.
Stddev	.1055	.155	.18	.79	28.	44.
%RSD	50.15	2.451	.6626	3.568	.1731	2.723

#1	.3259	6.183	26.60	23.18	16050.	1583.
#2	.1854	6.271	26.71	21.94	16020.	1587.
#3	.1195	6.484	26.95	21.71	15990.	1661.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3770.	156.9	417.5	16.37	129.9	4.825
Stddev	12.	.3	7.6	.11	.7	1.366
%RSD	.3187	.1752	1.828	.7019	.5464	28.31

#1	3784.	156.6	416.7	16.32	130.4	6.265
#2	3764.	157.0	425.6	16.51	129.1	3.547
#3	3763.	157.1	410.4	16.29	130.2	4.663

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41817-e-2-d@4 Acquired: 6/29/2012 12:01:03 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4556	-2.810	23.23	111.2	11.71	-.0682
Stddev	.8182	2.469	.08	.4	1.81	.1898
%RSD	179.6	87.88	.3627	.3818	15.44	278.4
#1	1.153	.0295	23.33	111.5	12.59	.1392
#2	-.4451	-4.456	23.18	111.3	12.91	-.2332
#3	.6592	-4.003	23.19	110.7	9.630	-.1104

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.373	41.25	560.6	563.0
Stddev	.798	.34	2.4	7.7
%RSD	18.26	.8165	.4264	1.359
#1	3.457	41.63	563.3	564.2
#2	4.734	41.00	559.3	554.8
#3	4.927	41.12	559.1	570.0

Check ? Chk Pass 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	2374.0	26530.	3669.8
Stddev	8.1	60.	8.1
%RSD	.33929	.22465	.22071
#1	2377.2	26474.	3673.7
#2	2380.0	26593.	3675.2
#3	2364.9	26524.	3660.5

Sample Name: 460-41395-d-3-c@4 Acquired: 6/29/2012 12:04:42 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28430.	17.32	.0915	265.2	1.527	20090.
Stddev	57.	1.86	.0560	.4	.177	118.
%RSD	.1989	10.74	61.17	.1691	11.59	.5861

#1	28500.	19.18	.1313	265.4	1.338	20210.
#2	28410.	17.32	.0275	265.4	1.556	20080.
#3	28390.	15.46	.1157	264.6	1.689	19970.

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	.5835	37.07	64.60	61.67	77420.	5894.
Stddev	.0924	.30	.72	4.49	41.	27.
%RSD	15.83	.8073	1.114	7.287	.0528	.4624

#1	.6782	37.36	63.92	56.67	77410.	5905.
#2	.5788	36.76	64.53	65.38	77390.	5913.
#3	.4936	37.07	65.36	62.95	77470.	5862.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26810.	902.6	269.6	228.5	153.3	-.4361
Stddev	32.	1.0	7.3	.7	.4	1.241
%RSD	.1196	.1080	2.697	.2955	.2572	284.5

#1	26770.	903.8	277.8	227.7	153.5	.6425
#2	26830.	902.2	264.0	228.8	153.5	-.1587
#3	26820.	902.0	266.8	228.9	152.8	-1.792

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41395-d-3-c@4 Acquired: 6/29/2012 12:04:42 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.981	-2.017	74.14	200.9	21.03	-.2340
Stddev	1.172	1.665	.21	.3	.11	.3918
%RSD	59.18	82.56	.2839	.1588	.5288	167.5
#1	-1.189	-1.706	74.25	201.1	20.91	.1118
#2	-1.427	-.5289	74.27	201.1	21.05	-.1541
#3	-3.328	-3.816	73.90	200.6	21.13	-.6596

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.043	81.90	822.1	850.5
Stddev	.516	.60	2.2	17.2
%RSD	10.24	.7341	.2713	2.024
#1	5.379	82.59	824.5	866.2
#2	4.449	81.49	820.1	832.1
#3	5.302	81.63	821.6	853.2

Check ? Chk Pass 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	2400.5	26778.	3754.1
Stddev	3.8	101.	10.1
%RSD	.15959	.37856	.26940
#1	2398.0	26671.	3742.5
#2	2398.6	26789.	3761.4
#3	2404.9	26873.	3758.3

Sample Name: 460-41547-f-8-b@4 Acquired: 6/29/2012 12:08:17 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37370.	7.114	-.0916	227.8	1.367	5740.
Stddev	53.	1.491	.3271	.4	.133	11.
%RSD	.1429	20.96	357.2	.1747	9.741	.1846

#1	37320.	7.616	.2826	227.9	1.230	5730.
#2	37430.	5.437	-.2343	227.4	1.376	5751.
#3	37360.	8.289	-.3231	228.2	1.495	5740.

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	.4642	16.91	60.17	40.74	54310.	1403.
Stddev	.0435	.31	.70	5.43	91.	26.
%RSD	9.370	1.825	1.170	13.33	.1681	1.858

#1	.4149	17.26	59.46	46.92	54230.	1385.
#2	.4969	16.75	60.86	36.72	54410.	1390.
#3	.4808	16.71	60.19	38.59	54290.	1433.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6378.	403.5	1428.	41.83	71.74	2.953
Stddev	7.	1.0	4.	.27	1.37	1.967
%RSD	.1058	.2392	.3073	.6384	1.915	66.62

#1	6370.	402.5	1423.	42.13	72.55	.8811
#2	6383.	404.4	1432.	41.75	72.52	4.795
#3	6379.	403.6	1429.	41.61	70.16	3.181

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41547-f-8-b@4 Acquired: 6/29/2012 12:08:17 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.225	-2.079	84.51	128.4	10.61	-.3348
Stddev	3.125	3.049	1.00	.6	.96	.2713
%RSD	598.1	146.6	1.188	.4795	9.093	81.02
#1	-2.364	1.022	83.47	127.7	11.55	-.0985
#2	-2.289	-5.073	84.57	128.7	9.620	-.2749
#3	3.086	-2.186	85.48	128.7	10.66	-.6311

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.899	36.85	455.7	786.4
Stddev	.264	.08	2.8	33.1
%RSD	6.781	.2073	.6143	4.213
#1	3.817	36.81	458.5	749.4
#2	3.685	36.94	455.7	796.3
#3	4.194	36.81	452.9	813.4

Check ? Chk Pass 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	2450.0	27350.	3826.4
Stddev	3.9	134.	19.9
%RSD	.15833	.49017	.52107
#1	2447.7	27395.	3846.6
#2	2454.4	27199.	3806.8
#3	2447.8	27456.	3825.7

Sample Name: 460-41527-f-3-h@4 Acquired: 6/29/2012 12:11:54 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38870.	9.153	-.2618	201.7	1.699	4455.
Stddev	27.	1.774	.2973	.6	.078	36.
%RSD	.0706	19.38	113.6	.3092	4.593	.7990

#1	38890.	8.352	-.3768	202.3	1.789	4430.
#2	38880.	7.921	-.4845	201.7	1.650	4439.
#3	38840.	11.19	.0758	201.1	1.658	4496.

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	.8007	24.09	51.75	106.2	61480.	2854.
Stddev	.0577	.26	.26	.5	151.	29.
%RSD	7.204	1.060	.4958	.4326	.2455	1.006

#1	.8314	24.38	51.72	105.9	61570.	2821.
#2	.7342	24.00	52.03	106.7	61570.	2873.
#3	.8367	23.89	51.52	106.0	61310.	2868.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9463.	1468.	166.1	47.54	260.8	1.996
Stddev	15.	4.	11.7	.62	2.4	1.475
%RSD	.1607	.2690	7.040	1.314	.9147	73.92

#1	9475.	1470.	175.9	47.92	260.8	2.515
#2	9470.	1471.	169.3	47.87	263.2	.3311
#3	9446.	1464.	153.2	46.81	258.4	3.141

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41527-f-3-h@4 Acquired: 6/29/2012 12:11:54 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.543	-1.552	67.89	175.2	17.41	-.4830
Stddev	2.561	3.201	.40	.3	.81	.1151
%RSD	166.0	206.3	.5866	.1634	4.632	23.83
#1	-3.979	-1.006	67.58	175.5	17.73	-.3513
#2	1.126	1.341	68.34	175.0	16.49	-.5644
#3	-1.776	-4.991	67.75	175.2	18.01	-.5333

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.374	44.32	644.6	783.0
Stddev	.761	.18	1.4	19.4
%RSD	11.94	.4146	.2228	2.472
#1	6.019	44.22	645.1	767.7
#2	5.854	44.53	642.9	776.7
#3	7.248	44.21	645.6	804.8

Check ? Chk Pass 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	2444.3	27164.	3804.1
Stddev	1.2	67.	17.9
%RSD	.04748	.24512	.47166
#1	2444.6	27139.	3783.9
#2	2445.3	27112.	3818.2
#3	2443.0	27239.	3810.1

Sample Name: 460-41737-a-12-a@4 Acquired: 6/29/2012 12:15:31 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70830.	20.34	-8177	184.6	3.580	3262.
Stddev	264.	1.50	.3750	.5	.086	43.
%RSD	.3720	7.385	45.86	.2968	2.389	1.321

#1	70660.	19.10	-1.232	185.0	3.524	3220.
#2	71130.	19.91	-.5013	184.8	3.537	3306.
#3	70700.	22.01	-.7199	183.9	3.678	3259.

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	.4730	40.65	65.44	58.86	120800.	2171.
Stddev	.0383	.40	.66	.59	124.	26.
%RSD	8.100	.9824	1.006	1.002	.1024	1.216

#1	.4529	40.89	66.11	59.28	120700.	2141.
#2	.4488	40.87	65.42	58.18	120900.	2190.
#3	.5171	40.19	64.79	59.11	120900.	2184.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12600.	1504.	61.54	58.29	51.93	-2.135
Stddev	27.	1.	18.03	.42	.20	.880
%RSD	.2159	.0755	29.30	.7137	.3841	41.22

#1	12570.	1503.	74.55	58.30	52.11	-2.138
#2	12620.	1505.	69.12	58.70	51.72	-1.254
#3	12600.	1504.	40.96	57.87	51.97	-3.014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41737-a-12-a@4 Acquired: 6/29/2012 12:15:31 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0843	-4.182	114.7	218.8	6.840	.5765
Stddev	1.418	.530	1.0	.6	.389	.1402
%RSD	1682.	12.68	.8637	.2610	5.685	24.32
#1	-1.271	-4.758	114.3	218.7	6.957	.4458
#2	-.4669	-4.073	115.8	219.4	6.407	.5591
#3	1.486	-3.714	114.0	218.3	7.158	.7246

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.347	49.87	1512.	918.3
Stddev	.961	.11	3.	17.4
%RSD	40.95	.2254	.1825	1.898
#1	1.271	49.88	1509.	900.1
#2	3.121	49.98	1515.	920.0
#3	2.649	49.76	1511.	934.8

Check ? Chk Pass 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	2516.1	27955.	3929.2
Stddev	4.0	67.	11.1
%RSD	.15905	.24080	.28180
#1	2513.1	27973.	3937.4
#2	2514.5	27880.	3916.6
#3	2520.6	28011.	3933.6

Sample Name: 460-41708-d-1-g@4 Acquired: 6/29/2012 12:19:07 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34080.	11.24	.5652	207.1	.9259	F 318300.
Stddev	70.	.71	.3233	.2	.0637	1344.
%RSD	.2048	6.279	57.20	.1073	6.877	.4222
#1	34140.	11.78	.2830	207.1	.9989	319700.
#2	34090.	10.44	.4947	207.3	.8819	318100.
#3	34000.	11.49	.9180	206.8	.8968	317100.

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	.4425	20.46	46.85	61.29	37410.	6892.
Stddev	.0381	.32	.51	1.23	146.	69.
%RSD	8.612	1.567	1.089	2.009	.3890	1.007
#1	.4838	20.81	46.27	61.23	37300.	6956.
#2	.4348	20.37	47.08	62.54	37570.	6902.
#3	.4088	20.19	47.21	60.08	37340.	6818.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18330.	865.4	2975.	30.78	40.81	2.017
Stddev	71.	2.2	6.	.40	.43	1.451
%RSD	.3875	.2543	.1865	1.286	1.048	71.94
#1	18250.	863.1	2974.	31.22	40.64	.7334
#2	18360.	867.5	2970.	30.65	40.50	3.592
#3	18380.	865.6	2981.	30.46	41.30	1.726

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-1-g@4 Acquired: 6/29/2012 12:19:07 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.562	-3.519	61.14	185.6	55.36	.4887
Stddev	4.495	1.830	.52	.2	.36	.3031
%RSD	175.4	52.00	.8567	.1080	.6543	62.02
#1	.9006	-3.193	60.87	185.5	54.96	.2422
#2	-.9453	-1.874	61.74	185.9	55.66	.8272
#3	-7.641	-5.490	60.80	185.6	55.47	.3968

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.031	2065.	1599.	1529.
Stddev	.917	5.	4.	21.
%RSD	10.16	.2543	.2792	1.352
#1	8.108	2069.	1598.	1507.
#2	9.042	2068.	1603.	1532.
#3	9.942	2059.	1594.	1548.

Check ? Chk Pass 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	2297.9	25495.	3690.9
Stddev	10.9	48.	33.5
%RSD	.47604	.19007	.90896
#1	2287.6	25543.	3653.9
#2	2296.7	25446.	3699.4
#3	2309.3	25498.	3719.4

Sample Name: 460-41708-d-2-e@4 Acquired: 6/29/2012 12:22:45 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26830.	8.577	-3459	268.9	1.492	F 359500.
Stddev	24.	1.750	.2810	.1	.152	847.
%RSD	.0910	20.40	81.23	.0476	10.19	.2356
#1	26860.	10.47	-.6608	268.8	1.336	359400.
#2	26810.	7.014	-.1206	269.0	1.501	360400.
#3	26840.	8.249	-.2565	269.0	1.640	358700.

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	.3984	22.32	71.78	88.54	72000.	5854.
Stddev	.0170	.31	.48	3.29	61.	73.
%RSD	4.261	1.402	.6648	3.718	.0843	1.251
#1	.4153	22.65	71.93	92.18	72070.	5843.
#2	.3986	22.28	71.24	87.69	71990.	5932.
#3	.3814	22.03	72.16	85.76	71950.	5787.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23560.	673.0	4625.	40.55	20.27	1.207
Stddev	45.	1.4	3.	.24	1.37	.675
%RSD	.1891	.2024	.0685	.5899	6.735	55.90
#1	23520.	674.5	4624.	40.46	19.09	.5330
#2	23550.	672.7	4623.	40.37	19.96	1.882
#3	23600.	671.8	4629.	40.82	21.76	1.205

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-2-e@4 Acquired: 6/29/2012 12:22:45 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.443	-4.144	71.62	121.6	30.14	2.286
Stddev	2.627	.960	.51	.2	.57	.355
%RSD	107.5	23.16	.7055	.1578	1.896	15.52
#1	-3.297	-3.595	72.13	121.4	30.80	2.690
#2	.5049	-3.585	71.59	121.6	29.82	2.023
#3	-4.537	-5.253	71.12	121.8	29.80	2.145

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.117	655.4	2071.	1407.
Stddev	.261	1.3	1.	26.
%RSD	12.34	.1990	.0544	1.860
#1	2.195	653.9	2070.	1422.
#2	1.825	656.3	2072.	1376.
#3	2.330	656.0	2071.	1421.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2471.8	27405.	4020.9
Stddev	2.9	63.	16.7
%RSD	.11803	.23070	.41573
#1	2471.9	27332.	4020.0
#2	2474.7	27441.	4004.6
#3	2468.9	27442.	4038.0

Sample Name: CCV Acquired: 6/29/2012 12:26:23 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	2537.	1259.	10270.	982.1	125200.
Stddev	344.	2.	1.	5.	2.5	182.
%RSD	.2730	.0788	.0910	.0518	.2593	.1451

#1	125700.	2537.	1257.	10270.	979.9	125000.
#2	126400.	2535.	1259.	10280.	984.9	125300.
#3	126200.	2539.	1259.	10280.	981.7	125300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1288.	2533.	5110.	12390.	101700.	49450.
Stddev	1.	2.	11.	50.	315.	223.
%RSD	.1080	.0955	.2203	.4065	.3100	.4515

#1	1287.	2533.	5102.	12350.	101400.	49200.
#2	1290.	2535.	5123.	12450.	102000.	49540.
#3	1287.	2530.	5106.	12370.	101500.	49620.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	5144.	125200.	2564.	7706.	1029.
Stddev	293.	12.	96.	3.	12.	5.
%RSD	.2321	.2301	.0765	.1229	.1498	.4659

#1	125800.	5131.	125100.	2563.	7697.	1035.
#2	126400.	5155.	125300.	2567.	7719.	1027.
#3	126100.	5145.	125200.	2561.	7703.	1026.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/29/2012 12:26:23 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2483.	2606.	2512.	2532.	1055.	2574.
Stddev	5.	7.	8.	3.	2.	3.
%RSD	.2201	.2593	.3179	.1063	.1604	.1010

#1	2478.	2613.	2503.	2529.	1054.	2571.
#2	2489.	2607.	2519.	2535.	1054.	2575.
#3	2482.	2600.	2514.	2531.	1057.	2576.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1014.	5023.	10160.	10320.
Stddev	3.	13.	27.	146.
%RSD	.3100	.2602	.2610	1.413

#1	1017.	5008.	10130.	10150.
#2	1013.	5029.	10180.	10420.
#3	1011.	5032.	10170.	10380.

Check ?	Chk Pass	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	2209.7	24418.	3624.3
Stddev	6.2	70.	15.9
%RSD	.28001	.28725	.43979

#1	2216.8	24497.	3611.2
#2	2206.2	24363.	3642.1
#3	2206.0	24395.	3619.8

Sample Name: CCB Acquired: 6/29/2012 12:29:43 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.08	-1.223	.5097	.3817	-.1385	35.42
Stddev	22.70	.616	.2401	.5493	.0335	25.68
%RSD	102.8	50.38	47.10	143.9	24.19	72.50
#1	29.95	-1.217	.7868	1.015	-.1366	64.73
#2	39.79	-1.842	.3637	.1002	-.1060	24.69
#3	-3.505	-.6098	.3786	.0304	-.1729	16.84

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1202	.0869	.4175	-2.931	15.07	130.2
Stddev	.1729	.2521	1.016	4.221	2.80	106.5
%RSD	143.8	290.0	243.2	144.0	18.56	81.79
#1	.3087	.1491	1.185	1.799	11.86	199.8
#2	-.0312	.3021	.8010	-4.278	16.97	183.2
#3	.0831	-.1905	-.7339	-6.315	16.39	7.604

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.56	.3905	50.54	.6744	.8363	2.826
Stddev	12.93	.5691	31.69	.1653	.2667	1.557
%RSD	111.9	145.7	62.70	24.51	31.89	55.09
#1	24.14	1.036	81.03	.7374	.5396	1.616
#2	12.25	.1747	52.80	.7989	.9133	2.280
#3	-1.702	-.0391	17.78	.4868	1.056	4.583

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 6/29/2012 12:29:43 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2586	-.3939	.4082	.2636	1.070	1.971
Stddev	3.872	2.359	.2860	.1826	.930	.372
%RSD	1498.	598.8	70.05	69.28	86.86	18.87
#1	2.089	2.004	.7332	.4414	2.134	2.358
#2	-4.189	-2.711	.1950	.0765	.6602	1.941
#3	2.876	-.4743	.2964	.2728	.4162	1.616

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3881	.6166	1.670	-5.799
Stddev	.9129	.7917	1.182	17.18
%RSD	235.2	128.4	70.79	296.3
#1	.4009	1.522	3.034	-9.764
#2	-1.388	.2721	.9631	13.02
#3	-.1772	.0555	1.012	-20.65

Check ?	Chk Pass	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	2352.3	26419.	3653.9
Stddev	1.8	72.	9.4
%RSD	.07451	.27141	.25792
#1	2354.0	26502.	3644.3
#2	2352.3	26375.	3663.2
#3	2350.5	26381.	3654.1

Sample Name: 460-41708-d-3-e@4 Acquired: 6/29/2012 12:33:30 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24330.	6.386	-.0515	177.3	1.063	F 323300.
Stddev	40.	.785	.3252	.3	.230	690.
%RSD	.1649	12.30	631.9	.1963	21.59	.2133
#1	24290.	6.967	-.4261	177.0	1.273	324000.
#2	24330.	5.493	.1142	177.7	1.099	323400.
#3	24370.	6.697	.1576	177.3	.8178	322600.

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	.5147	19.98	54.03	68.71	72040.	6700.
Stddev	.1114	.43	.47	2.15	155.	34.
%RSD	21.65	2.166	.8612	3.125	.2144	.5026
#1	.3892	19.79	54.55	69.83	72130.	6709.
#2	.5531	20.47	53.67	70.07	71860.	6663.
#3	.6019	19.67	53.86	66.24	72130.	6729.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13530.	844.0	2987.	26.05	17.30	2.502
Stddev	33.	1.8	19.	.05	.84	2.850
%RSD	.2449	.2082	.6406	.1988	4.855	113.9
#1	13510.	844.5	2998.	26.09	16.48	1.634
#2	13510.	842.0	2997.	25.99	18.16	.1862
#3	13570.	845.4	2965.	26.07	17.26	5.685

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-3-e@4 Acquired: 6/29/2012 12:33:30 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.101	-3.883	55.69	166.1	38.33	.9828
Stddev	3.097	4.121	.44	.5	.29	.2305
%RSD	99.86	106.1	.7981	.3238	.7634	23.46
#1	-6.221	-5.852	55.69	165.5	38.07	1.210
#2	-3.055	-6.650	55.25	166.5	38.65	.7487
#3	-.0277	.8536	56.14	166.2	38.28	.9901

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6162	1361.	1567.	1439.
Stddev	1.040	2.	5.	15.
%RSD	168.8	.1566	.3095	1.036
#1	-.1450	1362.	1565.	1455.
#2	1.801	1362.	1573.	1426.
#3	.1925	1358.	1564.	1435.

Check ? Chk Pass 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	2443.4	27148.	3985.4
Stddev	7.2	130.	29.0
%RSD	.29289	.47984	.72697
#1	2437.9	27000.	3964.6
#2	2440.8	27242.	3973.2
#3	2451.5	27203.	4018.5

Sample Name: 460-41708-d-4-e@4 Acquired: 6/29/2012 12:37:07 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28170.	9.940	.3471	264.5	1.625	F 383600.
Stddev	109.	1.413	.1446	.2	.092	1593.
%RSD	.3858	14.22	41.66	.0801	5.654	.4153

#1	28050.	8.318	.2385	264.6	1.522	381800.
#2	28250.	10.60	.5113	264.7	1.652	384500.
#3	28230.	10.90	.2917	264.3	1.700	384600.

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	.6230	28.95	80.24	73.31	62960.	3349.
Stddev	.1903	.34	.33	1.63	121.	49.
%RSD	30.54	1.190	.4154	2.218	.1916	1.449

#1	.4791	28.85	80.63	72.01	63080.	3322.
#2	.8387	29.34	80.04	75.14	62970.	3405.
#3	.5511	28.67	80.06	72.79	62840.	3319.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22040.	586.8	2193.	47.76	18.54	3.228
Stddev	59.	.6	21.	.17	1.83	2.897
%RSD	.2685	.1022	.9591	.3577	9.871	89.75

#1	22100.	587.4	2169.	47.92	18.87	4.963
#2	22050.	586.9	2209.	47.79	16.57	4.837
#3	21980.	586.2	2201.	47.58	20.18	-.1164

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-4-e@4 Acquired: 6/29/2012 12:37:07 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.750	-2.795	71.19	134.7	36.07	4.517
Stddev	2.701	2.272	.24	.4	.41	.297
%RSD	98.23	81.30	.3429	.3101	1.145	6.584
#1	-0.9312	-2.283	71.37	135.1	36.47	4.321
#2	-1.465	-8.224	71.28	134.3	36.12	4.371
#3	-5.854	-5.279	70.91	134.6	35.64	4.859

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.162	1148.	1801.	1432.
Stddev	1.097	3.	5.	19.
%RSD	94.37	.2871	.2902	1.320
#1	2.164	1144.	1795.	1412.
#2	-.0096	1151.	1806.	1437.
#3	1.332	1148.	1802.	1449.

Check ? Chk Pass 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	2383.1	26371.	3880.5
Stddev	3.9	39.	31.1
%RSD	.16228	.14960	.80076
#1	2386.7	26325.	3916.3
#2	2383.6	26393.	3864.3
#3	2379.0	26393.	3860.9

Sample Name: 460-41708-d-5-g@4 Acquired: 6/29/2012 12:40:43 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24690.	7.442	-.1174	252.9	.9905	F 366300.
Stddev	60.	3.092	.2264	.5	.0820	1406.
%RSD	.2442	41.55	192.8	.1964	8.282	.3838
#1	24740.	4.520	-.1940	253.5	.9566	367900.
#2	24700.	10.68	-.2956	252.6	.9309	365700.
#3	24620.	7.127	.1373	252.7	1.084	365300.

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	.8733	14.01	65.89	60.95	60310.	3633.
Stddev	.0934	.23	.74	1.11	151.	36.
%RSD	10.69	1.609	1.123	1.815	.2495	.9821
#1	.9810	14.17	65.88	59.87	60470.	3668.
#2	.8228	14.12	66.63	60.88	60300.	3635.
#3	.8160	13.76	65.15	62.08	60170.	3596.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19560.	619.0	1786.	33.35	22.80	1.117
Stddev	8.	.6	6.	.87	1.18	2.656
%RSD	.0417	.0980	.3452	2.603	5.168	237.8
#1	19560.	619.4	1792.	33.88	24.11	-.3103
#2	19570.	619.3	1785.	32.35	21.82	4.182
#3	19570.	618.3	1780.	33.82	22.47	-.5207

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-5-g@4 Acquired: 6/29/2012 12:40:43 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.205	-2.673	60.78	195.8	30.89	2.203
Stddev	2.203	1.025	.33	.9	.83	.042
%RSD	99.90	38.34	.5508	.4372	2.702	1.918
#1	-3.377	-3.550	60.84	196.7	31.57	2.189
#2	-3.574	-2.922	60.42	195.6	29.96	2.251
#3	.3360	-1.546	61.08	195.0	31.15	2.170

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.706	992.5	1867.	1420.
Stddev	.470	3.6	11.	20.
%RSD	17.38	.3623	.5682	1.406
#1	2.961	996.4	1879.	1406.
#2	2.993	991.7	1863.	1443.
#3	2.163	989.4	1858.	1412.

Check ? Chk Pass 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	2413.0	26718.	3899.3
Stddev	6.9	16.	18.8
%RSD	.28769	.05995	.48234
#1	2405.4	26707.	3877.9
#2	2419.0	26736.	3913.1
#3	2414.7	26710.	3907.0

Sample Name: 460-41708-d-6-e@4 Acquired: 6/29/2012 12:44:20 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28800.	10.76	-2563	260.6	1.166	F 394300.
Stddev	38.	2.56	.3612	.9	.022	477.
%RSD	.1322	23.75	140.9	.3489	1.912	.1211
#1	28790.	13.49	-.6429	261.5	1.165	394800.
#2	28770.	8.428	-.1984	260.5	1.189	393900.
#3	28840.	10.37	.0725	259.7	1.145	394100.

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	1.442	18.64	75.34	96.47	78550.	5947.
Stddev	.050	.18	.49	1.54	210.	83.
%RSD	3.484	.9689	.6513	1.598	.2670	1.395
#1	1.403	18.48	74.89	96.55	78710.	5912.
#2	1.498	18.83	75.28	94.89	78640.	5888.
#3	1.423	18.60	75.86	97.97	78320.	6042.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23220.	932.3	2266.	38.19	79.41	-.1840
Stddev	75.	.5	6.	.23	.82	1.573
%RSD	.3229	.0586	.2584	.6089	1.029	855.1
#1	23290.	932.8	2260.	38.43	79.49	1.107
#2	23240.	932.4	2264.	37.97	80.19	-1.937
#3	23140.	931.8	2272.	38.15	78.56	.2775

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-6-e@4 Acquired: 6/29/2012 12:44:20 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.717	-5.138	55.46	496.3	45.45	3.391
Stddev	1.800	.327	.55	1.4	.43	.215
%RSD	38.16	6.354	.9958	.2805	.9466	6.344
#1	-3.496	-5.174	56.09	497.8	44.98	3.572
#2	-6.784	-5.445	55.17	496.1	45.58	3.448
#3	-3.870	-4.795	55.11	495.1	45.81	3.153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.041	1951.	2264.	1489.
Stddev	2.003	3.	5.	30.
%RSD	65.88	.1361	.2386	1.995
#1	2.766	1952.	2269.	1492.
#2	5.168	1948.	2264.	1457.
#3	1.189	1953.	2259.	1517.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2469.3	27347.	4008.0
Stddev	8.3	93.	22.5
%RSD	.33474	.34016	.56177
#1	2459.9	27256.	3982.0
#2	2472.5	27342.	4021.5
#3	2475.4	27442.	4020.6

Sample Name: 460-41708-d-7-e@4 Acquired: 6/29/2012 12:47:58 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27880.	9.575	-.0249	293.1	1.210	F 378300.
Stddev	29.	1.225	.1641	.3	.055	1245.
%RSD	.1042	12.79	660.1	.1177	4.559	.3291
#1	27860.	8.475	-.2143	292.7	1.226	378700.
#2	27910.	9.357	.0724	293.0	1.149	379200.
#3	27870.	10.89	.0674	293.4	1.256	376900.

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	.3816	16.40	70.03	36.22	57440.	6027.
Stddev	.1488	.19	.33	7.97	96.	60.
%RSD	38.99	1.154	.4714	22.01	.1674	1.002
#1	.2098	16.51	69.86	33.10	57550.	6050.
#2	.4666	16.51	69.82	45.29	57390.	5958.
#3	.4685	16.18	70.41	30.28	57370.	6072.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21460.	664.6	4929.	35.70	7.407	1.711
Stddev	12.	1.7	26.	.49	.661	1.377
%RSD	.0546	.2580	.5360	1.366	8.920	80.49
#1	21440.	666.5	4908.	35.50	7.532	2.953
#2	21460.	664.2	4959.	35.34	7.996	1.950
#3	21470.	663.1	4921.	36.25	6.692	.2298

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-7-e@4 Acquired: 6/29/2012 12:47:58 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.903	-6.097	72.65	127.8	31.61	4.098
Stddev	3.378	3.030	.35	.4	.45	.107
%RSD	57.23	49.70	.4820	.2913	1.437	2.598
#1	-2.199	-4.263	72.96	127.5	31.25	4.205
#2	-8.815	-9.595	72.27	127.8	32.12	4.098
#3	-6.696	-4.434	72.71	128.2	31.45	3.992

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0754	783.3	2292.	1414.
Stddev	1.058	3.2	5.	15.
%RSD	1403.	.4071	.2400	1.091
#1	1.230	783.6	2286.	1407.
#2	-.8496	786.4	2297.	1432.
#3	-.1538	780.0	2292.	1403.

Check ?	Chk Pass	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	2441.3	27096.	3949.5
Stddev	7.9	128.	21.8
%RSD	.32176	.47420	.55275
#1	2438.2	26948.	3926.0
#2	2435.6	27174.	3969.2
#3	2450.3	27166.	3953.1

Sample Name: 460-41708-d-8-e@4 Acquired: 6/29/2012 12:51:34 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21030.	6.455	-.1452	140.4	1.407	F 323600.
Stddev	41.	.594	.4374	.3	.117	299.
%RSD	.1960	9.194	301.2	.2300	8.339	.0923

#1	21050.	7.141	-.6461	140.2	1.290	323500.
#2	21060.	6.114	.1614	140.7	1.407	323900.
#3	20980.	6.111	.0490	140.1	1.524	323400.

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	.3436	15.11	62.43	66.19	55750.	3487.
Stddev	.0036	.19	.07	3.02	107.	5.
%RSD	1.061	1.281	.1073	4.565	.1914	.1500

#1	.3460	14.89	62.38	63.81	55870.	3491.
#2	.3394	15.17	62.51	69.59	55740.	3481.
#3	.3453	15.25	62.41	65.17	55660.	3488.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19140.	393.5	1233.	44.98	14.56	1.237
Stddev	36.	.8	6.	.57	1.47	1.028
%RSD	.1899	.1975	.4552	1.268	10.07	83.10

#1	19160.	394.3	1238.	45.00	15.40	.3901
#2	19150.	392.8	1234.	45.54	15.42	2.380
#3	19100.	393.4	1227.	44.40	12.87	.9400

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-8-e@4 Acquired: 6/29/2012 12:51:34 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2849	-4.311	67.02	52.99	27.46	3.890
Stddev	.1718	.244	.24	.15	.27	.251
%RSD	60.29	5.668	.3540	.2910	.9760	6.452
#1	-4.831	-4.524	67.13	52.93	27.22	4.180
#2	-1.914	-4.044	66.75	53.16	27.40	3.752
#3	-1.801	-4.366	67.18	52.87	27.75	3.738

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.965	2130.	1146.	1310.
Stddev	.652	5.	1.	11.
%RSD	33.20	.2244	.0772	.8647
#1	2.501	2130.	1145.	1303.
#2	2.155	2134.	1146.	1304.
#3	1.239	2125.	1147.	1323.

Check ? Chk Pass 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	2634.8	29190.	4263.3
Stddev	3.0	136.	19.1
%RSD	.11371	.46615	.44759
#1	2637.0	29033.	4253.2
#2	2636.1	29281.	4251.5
#3	2631.4	29255.	4285.4

Sample Name: 460-41708-d-9-e@4 Acquired: 6/29/2012 12:55:13 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36340.	9.787	-.2356	243.5	1.415	F 327200.
Stddev	88.	2.629	.5235	1.5	.130	1238.
%RSD	.2418	26.86	222.2	.6271	9.181	.3783

#1	36290.	12.12	.3501	243.9	1.399	326000.
#2	36440.	10.30	-.6581	244.7	1.295	328400.
#3	36280.	6.939	-.3987	241.8	1.553	327100.

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	.5198	19.56	42.86	47.18	43490.	4637.
Stddev	.1021	.21	.43	6.00	27.	34.
%RSD	19.64	1.095	1.011	12.72	.0625	.7401

#1	.4131	19.33	43.32	51.09	43470.	4598.
#2	.5298	19.59	42.78	40.27	43520.	4661.
#3	.6165	19.75	42.47	50.18	43470.	4654.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16480.	1320.	2546.	32.04	13.36	2.739
Stddev	49.	1.	19.	.33	1.09	.712
%RSD	.3000	.0986	.7479	1.034	8.187	25.98

#1	16530.	1319.	2549.	32.31	14.62	2.089
#2	16460.	1322.	2562.	32.13	12.78	2.629
#3	16440.	1319.	2525.	31.67	12.68	3.499

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-9-e@4 Acquired: 6/29/2012 12:55:13 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.604	-4.432	76.87	177.8	66.81	-8.134
Stddev	1.739	2.722	.90	.8	1.04	.4118
%RSD	66.80	61.41	1.169	.4467	1.557	50.62
#1	-1.274	-6.423	76.11	178.0	67.57	-1.055
#2	-4.572	-1.330	77.86	178.5	67.24	-1.047
#3	-1.965	-5.542	76.64	176.9	65.63	-3.380

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.381	2354.	1441.	1487.
Stddev	1.552	8.	7.	14.
%RSD	112.3	.3281	.4691	.9292
#1	-3.240	2346.	1433.	1473.
#2	1.758	2361.	1445.	1501.
#3	2.710	2354.	1445.	1487.

Check ? Chk Pass 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	2304.3	25574.	3728.1
Stddev	4.2	35.	9.4
%RSD	.18200	.13846	.25104
#1	2307.4	25547.	3719.4
#2	2299.5	25562.	3726.9
#3	2306.0	25614.	3738.0

Sample Name: 460-41641-e-1-e@4 Acquired: 6/29/2012 12:58:49 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64720.	5.160	4.387	666.7	.5598	8690.
Stddev	121.	1.260	.807	2.6	.0844	102.
%RSD	.1867	24.41	18.40	.3944	15.07	1.176

#1	64730.	6.594	4.309	668.0	.5927	8796.
#2	64840.	4.231	3.623	668.5	.4640	8681.
#3	64600.	4.655	5.231	663.7	.6227	8592.

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	1.783	43.67	114.1	252.5	97340.	15640.
Stddev	.034	.18	.2	2.7	52.	57.
%RSD	1.915	.4078	.1450	1.084	.0532	.3672

#1	1.795	43.84	114.0	249.7	97320.	15690.
#2	1.809	43.68	114.0	255.2	97400.	15660.
#3	1.744	43.49	114.3	252.5	97300.	15580.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22720.	814.0	360.3	95.38	111.9	2.791
Stddev	29.	1.4	18.7	.91	1.6	1.511
%RSD	.1267	.1669	5.196	.9491	1.455	54.16

#1	22690.	814.9	361.8	95.86	113.0	1.882
#2	22750.	814.5	340.9	95.94	112.8	1.954
#3	22710.	812.4	378.3	94.34	110.1	4.535

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41641-e-1-e@4 Acquired: 6/29/2012 12:58:49 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.855	-1.097	162.2	609.6	12.85	-1.713
Stddev	1.423	.194	1.1	1.1	.26	.384
%RSD	29.31	17.66	.6948	.1841	2.004	22.40
#1	-5.207	-.9166	160.9	609.6	13.11	-2.127
#2	-6.069	-1.302	162.9	610.8	12.85	-1.370
#3	-3.289	-1.072	162.9	608.6	12.59	-1.640

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.004	66.76	4765.	834.2
Stddev	.727	.47	7.	7.2
%RSD	9.083	.7106	.1486	.8621
#1	8.829	67.31	4773.	833.0
#2	7.726	66.54	4764.	827.8
#3	7.458	66.44	4758.	842.0

Check ? Chk Pass 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	2415.6	26899.	3771.9
Stddev	7.5	83.	28.2
%RSD	.30960	.30878	.74735
#1	2410.2	26821.	3743.9
#2	2412.6	26891.	3771.5
#3	2424.2	26986.	3800.3

Sample Name: 460-41741-f-6-d@4 Acquired: 6/29/2012 13:02:24 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50930.	13.98	-1688	236.5	1.983	5557.
Stddev	127.	2.21	.6382	.6	.126	14.
%RSD	.2494	15.85	378.1	.2417	6.370	.2579

#1	51000.	12.49	-.7828	237.1	1.848	5573.
#2	51010.	12.93	.4911	236.5	2.098	5554.
#3	50780.	16.53	-.2147	236.0	2.003	5545.

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	2.359	26.92	53.65	81.97	103200.	4089.
Stddev	.116	.26	.45	1.44	114.	44.
%RSD	4.920	.9481	.8308	1.761	.1100	1.076

#1	2.394	27.21	53.44	81.65	103300.	4065.
#2	2.453	26.71	54.17	83.54	103200.	4139.
#3	2.229	26.85	53.36	80.71	103100.	4062.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13870.	855.2	311.3	50.92	74.74	.6953
Stddev	14.	1.3	7.5	.12	.47	1.906
%RSD	.1020	.1473	2.422	.2330	.6261	274.1

#1	13870.	856.2	305.0	50.97	74.83	-.3203
#2	13860.	855.6	309.3	50.78	75.16	2.894
#3	13890.	853.8	319.7	51.00	74.24	-.4878

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41741-f-6-d@4 Acquired: 6/29/2012 13:02:24 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0894	-2.988	83.48	266.0	4.207	19.26
Stddev	1.805	2.000	.69	.4	.413	.14
%RSD	2018.	66.92	.8321	.1561	9.819	.7485
#1	-5.892	-2.871	83.32	265.5	3.823	19.30
#2	1.913	-1.050	82.88	266.4	4.153	19.10
#3	-1.592	-5.045	84.24	266.1	4.644	19.38

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.190	41.25	1684.	986.6
Stddev	.895	.16	2.	9.4
%RSD	21.35	.3932	.1391	.9544
#1	5.168	41.29	1684.	993.2
#2	3.988	41.08	1686.	990.7
#3	3.414	41.39	1681.	975.8

Check ? Chk Pass 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	2541.5	28384.	3998.7
Stddev	15.8	96.	24.4
%RSD	.62258	.33816	.60966
#1	2523.7	28276.	3970.8
#2	2546.8	28417.	4009.7
#3	2554.0	28459.	4015.7

Sample Name: 460-41741-f-11-e@4 Acquired: 6/29/2012 13:06:00 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	106800.	17.38	-8454	403.9	4.391	2027.
Stddev	106.	.77	.4152	.5	.088	24.
%RSD	.0988	4.443	49.11	.1204	1.997	1.186

#1	106700.	16.63	-.6877	404.3	4.290	2016.
#2	106900.	17.33	-.5323	403.9	4.448	2054.
#3	106800.	18.18	-1.316	403.3	4.435	2010.

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	.4734	37.92	56.18	65.43	139700.	1687.
Stddev	.0503	.13	.06	1.68	47.	52.
%RSD	10.63	.3303	.1049	2.568	.0337	3.106

#1	.4945	37.79	56.24	63.66	139700.	1637.
#2	.4160	38.04	56.12	65.62	139600.	1741.
#3	.5097	37.93	56.16	67.00	139700.	1683.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8199.	728.1	19.08	50.00	40.64	-.2446
Stddev	15.	.1	9.83	.22	.94	.9549
%RSD	.1873	.0149	51.52	.4384	2.317	390.3

#1	8215.	728.1	14.60	49.75	40.16	-1.285
#2	8199.	727.9	30.35	50.16	41.72	.5929
#3	8184.	728.2	12.28	50.09	40.03	-.0422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41741-f-11-e@4 Acquired: 6/29/2012 13:06:00 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.471	-5.944	115.9	201.6	1.813	.3258
Stddev	2.569	.938	.4	.4	.481	.2475
%RSD	104.0	15.78	.3882	.2022	26.57	75.97
#1	-1.1323	-5.768	115.9	202.1	1.322	.1832
#2	-5.220	-6.958	115.4	201.5	1.831	.6116
#3	-2.060	-5.107	116.3	201.3	2.285	.1826

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.583	39.12	2200.	771.3
Stddev	.908	.06	4.	12.9
%RSD	25.33	.1588	.1615	1.670
#1	4.615	39.18	2198.	762.5
#2	3.224	39.14	2204.	765.3
#3	2.910	39.05	2199.	786.1

Check ? Chk Pass 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	2769.7	30523.	4360.2
Stddev	3.9	158.	25.3
%RSD	.14024	.51747	.58062
#1	2773.8	30342.	4338.2
#2	2769.5	30635.	4387.9
#3	2766.0	30593.	4354.7

Sample Name: CCV Acquired: 6/29/2012 13:09:38 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123400.	2468.	1234.	10040.	962.7	123300.
Stddev	134.	4.	2.	7.	2.2	288.
%RSD	.1088	.1452	.1769	.0695	.2321	.2332

#1	123400.	2464.	1231.	10030.	960.1	123000.
#2	123300.	2471.	1234.	10040.	964.4	123500.
#3	123600.	2470.	1235.	10040.	963.4	123500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1255.	2475.	4972.	12190.	99140.	48690.
Stddev	.	1.	7.	27.	126.	279.
%RSD	.0389	.0442	.1454	.2251	.1268	.5721

#1	1255.	2476.	4971.	12160.	99100.	48400.
#2	1256.	2474.	4980.	12220.	99280.	48950.
#3	1255.	2475.	4965.	12180.	99030.	48740.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122400.	5042.	122900.	2499.	7521.	1003.
Stddev	136.	10.	107.	3.	4.	2.
%RSD	.1107	.2056	.0870	.1324	.0555	.1603

#1	122300.	5039.	122800.	2496.	7517.	1001.
#2	122500.	5054.	122900.	2503.	7525.	1004.
#3	122300.	5034.	123000.	2498.	7523.	1003.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/29/2012 13:09:38 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2425.	2542.	2453.	2470.	1031.	2519.
Stddev	11.	3.	4.	2.	3.	2.
%RSD	.4399	.1141	.1548	.0733	.3281	.0973

#1	2416.	2540.	2451.	2469.	1027.	2517.
#2	2437.	2546.	2458.	2472.	1032.	2518.
#3	2423.	2541.	2452.	2468.	1033.	2522.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	993.2	4938.	9935.	10050.
Stddev	2.6	6.	17.	62.
%RSD	.2594	.1191	.1674	.6210

#1	993.0	4931.	9916.	9991.
#2	990.7	4941.	9944.	10120.
#3	995.9	4941.	9946.	10040.

Check ?	Chk Pass	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	2234.5	24729.	3637.7
Stddev	4.1	128.	22.0
%RSD	.18135	.51956	.60472

#1	2239.0	24877.	3655.9
#2	2233.0	24656.	3643.9
#3	2231.3	24654.	3613.2

Sample Name: CCB Acquired: 6/29/2012 13:12:57 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2646	-.9243	.6572	.5964	-.0631	25.86
Stddev	18.95	1.595	.2217	.5057	.2915	9.11
%RSD	7162.	172.6	33.74	84.80	461.9	35.24

#1	19.59	-2.721	.4361	1.180	.1859	35.90
#2	-18.29	-.3757	.6560	.2836	.0086	18.12
#3	-.5010	.3239	.8795	.3257	-.3838	23.56

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	.1116	.1768	.5923	-1.573	18.69	112.0
Stddev	.0492	.2093	.0953	6.943	11.24	21.2
%RSD	44.10	118.4	16.10	441.2	60.15	18.95

#1	.1642	.4177	.7005	1.634	31.56	127.2
#2	.0666	.0403	.5207	-9.540	10.80	87.73
#3	.1040	.0723	.5556	3.186	13.71	120.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.48	.4614	48.50	.7005	.9496	1.088
Stddev	13.13	.4681	35.82	.4443	.9897	2.750
%RSD	105.2	101.5	73.87	63.42	104.2	252.7

#1	27.60	.9930	88.24	1.198	-.1915	-.2052
#2	5.910	.2807	38.58	.5611	1.466	-.7764
#3	3.925	.1105	18.68	.3426	1.574	4.246

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/29/2012 13:12:57 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.498	-.5656	.4124	.3099	1.691	1.990
Stddev	.482	1.653	.3542	.2253	.802	.600
%RSD	32.20	292.3	85.89	72.71	47.42	30.13
#1	1.208	1.312	.1912	.4869	1.505	2.663
#2	2.055	-1.207	.8209	.3866	2.569	1.796
#3	1.231	-1.802	.2250	.0563	.9984	1.512

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0959	.5420	.8886	-16.79
Stddev	.6080	.6162	2.416	4.94
%RSD	633.7	113.7	271.9	29.41
#1	-.3062	1.202	2.953	-11.92
#2	.5893	.4433	-1.768	-16.67
#3	-.5709	-.0189	1.481	-21.79

Check ?	Chk Pass	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	2363.2	26636.	3634.8
Stddev	4.9	55.	11.8
%RSD	.20761	.20642	.32444
#1	2357.9	26587.	3621.2
#2	2364.0	26627.	3642.7
#3	2367.7	26696.	3640.3

Sample Name: 460-41741-f-12-i@4 Acquired: 6/29/2012 13:16:44 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	99870.	13.24	-6145	468.8	3.525	2273.
Stddev	146.	1.07	.4260	.6	.097	14.
%RSD	.1465	8.060	69.33	.1208	2.747	.6351

#1	100000.	14.47	-1.035	469.2	3.624	2286.
#2	99770.	12.68	-.1830	468.1	3.521	2277.
#3	99800.	12.57	-.6257	468.9	3.430	2258.

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	.3929	32.06	51.78	63.08	108600.	1850.
Stddev	.0739	.35	.14	1.87	164.	38.
%RSD	18.80	1.106	.2711	2.968	.1513	2.075

#1	.4555	31.71	51.81	64.23	108800.	1890.
#2	.4117	32.42	51.63	60.92	108500.	1814.
#3	.3114	32.05	51.91	64.09	108500.	1845.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9653.	850.0	227.0	53.98	33.17	-.2591
Stddev	22.	2.5	16.4	.36	1.71	.8518
%RSD	.2294	.2935	7.208	.6755	5.163	328.7

#1	9668.	852.2	237.1	54.40	33.25	-.3248
#2	9627.	850.4	208.2	53.74	31.42	-1.076
#3	9663.	847.3	235.9	53.80	34.84	.6236

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41741-f-12-i@4 Acquired: 6/29/2012 13:16:44 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.090	-3.831	108.2	181.7	2.305	.4560
Stddev	2.896	1.481	.5	.3	.311	.2265
%RSD	265.8	38.67	.4378	.1628	13.50	49.66
#1	3.752	-5.500	108.0	181.4	2.661	.7175
#2	1.512	-3.320	107.8	182.0	2.171	.3220
#3	-1.995	-2.673	108.7	181.7	2.084	.3285

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.847	37.83	2024.	857.5
Stddev	1.080	.13	5.	5.2
%RSD	37.94	.3514	.2683	.6056
#1	2.397	37.87	2029.	852.9
#2	2.064	37.94	2025.	863.1
#3	4.079	37.68	2018.	856.4

Check ?	Chk Pass	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	2785.1	30872.	4376.3
Stddev	5.8	138.	20.1
%RSD	.20816	.44675	.45832
#1	2778.7	30777.	4353.1
#2	2786.5	31030.	4387.9
#3	2790.1	30808.	4387.8

Sample Name: 460-41708-d-1-g@10 Acquired: 6/29/2012 13:20:19 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13210.	5.593	.2561	81.11	.1830	124200.
Stddev	90.	1.071	.3486	.39	.0406	597.
%RSD	.6798	19.14	136.1	.4853	22.16	.4807

#1	13310.	6.186	.0571	81.50	.2172	124900.
#2	13180.	6.236	.0525	81.12	.1936	123800.
#3	13130.	4.357	.6585	80.71	.1382	123900.

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	.1767	8.314	18.03	20.08	14700.	2632.
Stddev	.0910	.193	.19	3.69	5.	31.
%RSD	51.48	2.326	1.047	18.38	.0355	1.196

#1	.2729	8.511	17.84	20.96	14710.	2651.
#2	.1651	8.308	18.03	23.26	14700.	2649.
#3	.0921	8.124	18.22	16.03	14700.	2596.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7273.	337.8	1169.	12.66	18.11	2.666
Stddev	20.	.8	14.	.20	.72	.887
%RSD	.2801	.2388	1.198	1.615	3.984	33.29

#1	7275.	338.7	1159.	12.77	18.58	3.683
#2	7292.	337.4	1164.	12.43	17.28	2.260
#3	7251.	337.3	1185.	12.79	18.48	2.053

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-1-g@10 Acquired: 6/29/2012 13:20:19 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.429	-1.263	23.34	73.15	20.79	-.3644
Stddev	.776	1.215	.47	.40	.63	.2097
%RSD	54.32	96.18	2.007	.5509	3.041	57.55
#1	-1.677	-2.192	23.87	73.42	20.29	-.5499
#2	-2.050	.1118	23.17	73.34	20.58	-.4064
#3	-.5587	-1.710	22.98	72.68	21.50	-.1369

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.240	796.6	621.2	573.1
Stddev	.617	2.5	4.6	14.8
%RSD	27.53	.3092	.7352	2.580
#1	1.688	799.3	626.5	577.8
#2	2.906	795.7	618.0	584.9
#3	2.128	794.7	619.2	556.5

Check ?	Chk Pass	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	2359.2	26348.	3731.2
Stddev	2.6	33.	22.4
%RSD	.11045	.12615	.60088
#1	2356.7	26317.	3708.3
#2	2359.1	26383.	3753.2
#3	2361.9	26345.	3732.1

Sample Name: 460-41708-d-2-e@10 Acquired: 6/29/2012 13:23:57 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11280.	3.890	.2594	113.6	.4459	154000.
Stddev	52.	.301	.7534	.1	.0570	625.
%RSD	.4651	7.737	290.4	.1049	12.78	.4061
#1	11310.	4.210	1.122	113.6	.3831	154400.
#2	11320.	3.848	-.2688	113.6	.4603	154200.
#3	11220.	3.613	-.0751	113.8	.4943	153300.

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	.1263	9.594	30.01	35.13	30480.	2416.
Stddev	.0074	.094	.46	.10	30.	86.
%RSD	5.895	.9775	1.525	.2969	.0996	3.567
#1	.1189	9.695	30.50	35.19	30500.	2505.
#2	.1262	9.510	29.58	35.19	30450.	2333.
#3	.1338	9.577	29.96	35.01	30510.	2410.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10010.	284.7	1944.	18.05	10.14	1.026
Stddev	10.	.7	13.	.68	1.44	.673
%RSD	.1011	.2321	.6929	3.770	14.21	65.60
#1	10020.	285.5	1942.	18.67	8.808	1.483
#2	10000.	284.4	1958.	18.16	9.935	.2531
#3	10010.	284.3	1931.	17.32	11.67	1.342

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41708-d-2-e@10 Acquired: 6/29/2012 13:23:57 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.613	-1.785	30.35	55.13	12.79	.3589
Stddev	2.732	1.797	.29	.07	1.38	.0298
%RSD	104.6	100.7	.9455	.1211	10.77	8.303
#1	.5418	-2.356	30.41	55.07	11.64	.3349
#2	-4.170	-3.227	30.61	55.12	14.32	.3923
#3	-4.211	.2279	30.04	55.20	12.42	.3497

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0778	276.1	874.1	566.1
Stddev	.8017	1.1	2.3	12.0
%RSD	1030.	.3990	.2600	2.126
#1	-.8019	276.3	874.6	553.6
#2	.2682	277.1	876.0	567.2
#3	.7671	274.9	871.6	577.6

Check ? Chk Pass 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	2426.3	27043.	3850.8
Stddev	2.5	158.	9.1
%RSD	.10328	.58482	.23557
#1	2423.7	26941.	3847.5
#2	2428.7	27225.	3843.8
#3	2426.4	26964.	3861.0

Sample Name: 460-41708-d-3-e@10 Acquired: 6/29/2012 13:27:36 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9910.	3.148	-.0573	72.91	.3647	134200.
Stddev	54.	2.978	.4379	.32	.0705	253.
%RSD	.5401	94.58	763.9	.4396	19.32	.1882
#1	9871.	4.857	-.1318	73.06	.3207	134200.
#2	9971.	4.878	.4130	73.13	.3275	134500.
#3	9889.	-.2899	-.4532	72.54	.4460	134000.

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	.3188	8.337	21.88	23.47	29640.	2648.
Stddev	.1440	.146	.15	3.29	39.	51.
%RSD	45.17	1.753	.7028	14.04	.1317	1.944
#1	.4145	8.483	21.79	24.43	29600.	2677.
#2	.1532	8.337	21.80	26.17	29680.	2588.
#3	.3887	8.191	22.06	19.80	29630.	2678.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5620.	347.2	1213.	10.93	7.671	1.268
Stddev	2.	.9	19.	.10	1.312	1.239
%RSD	.0317	.2658	1.533	.9531	17.10	97.70
#1	5620.	347.7	1216.	10.86	6.286	-.1598
#2	5619.	347.8	1230.	11.05	8.894	1.905
#3	5622.	346.2	1193.	10.87	7.834	2.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41708-d-3-e@10 Acquired: 6/29/2012 13:27:36 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.969	-2.127	22.58	68.20	14.76	-.7472
Stddev	3.228	1.663	.65	.57	.87	.2033
%RSD	163.9	78.21	2.886	.8287	5.871	27.21
#1	-3.693	-.2062	21.84	68.26	15.71	-.5645
#2	1.755	-3.100	23.04	68.73	14.02	-.7109
#3	-3.969	-3.075	22.88	67.60	14.55	-.9662

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3370	557.8	644.0	568.8
Stddev	.6902	1.5	1.9	8.2
%RSD	204.8	.2625	.2981	1.438
#1	.0031	556.4	643.1	570.8
#2	1.131	559.3	646.2	575.9
#3	-.1228	557.6	642.6	559.9

Check ? Chk Pass 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	2420.5	27095.	3863.3
Stddev	5.2	47.	8.7
%RSD	.21675	.17467	.22540
#1	2415.3	27043.	3868.9
#2	2420.4	27108.	3867.7
#3	2425.8	27135.	3853.2

Sample Name: 460-41708-d-4-e@10 Acquired: 6/29/2012 13:31:14 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11470.	4.972	.2145	109.8	.6084	159500.
Stddev	5.	2.014	.3736	.4	.0798	526.
%RSD	.0409	40.52	174.1	.3496	13.12	.3300

#1	11470.	6.281	.4991	110.1	.6034	160000.
#2	11470.	5.982	.3530	110.0	.5312	159500.
#3	11480.	2.652	-.2085	109.4	.6906	159000.

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	.1645	12.12	33.33	33.31	26070.	1388.
Stddev	.0304	.43	.09	1.64	56.	40.
%RSD	18.46	3.556	.2610	4.929	.2132	2.866

#1	.1957	12.43	33.25	34.05	26020.	1360.
#2	.1351	12.30	33.30	34.44	26130.	1433.
#3	.1626	11.63	33.42	31.42	26060.	1370.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9205.	241.0	875.7	19.77	7.894	1.336
Stddev	17.	.7	7.1	.32	.572	1.756
%RSD	.1883	.2914	.8110	1.615	7.250	131.4

#1	9198.	240.8	883.8	19.87	7.827	.3689
#2	9225.	241.8	870.5	20.02	7.358	3.363
#3	9192.	240.4	872.9	19.41	8.497	.2767

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-4-e@10 Acquired: 6/29/2012 13:31:14 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.243	-1.559	29.35	56.32	14.81	.7652
Stddev	6.608	1.038	.17	.30	1.15	.1660
%RSD	155.7	66.59	.5746	.5362	7.775	21.69
#1	-11.82	-1.074	29.16	56.46	15.09	.7352
#2	-1.210	-.8517	29.48	56.52	13.55	.6162
#3	.3037	-2.750	29.41	55.97	15.80	.9441

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.006	469.1	738.2	584.2
Stddev	1.212	.7	4.1	13.9
%RSD	120.5	.1417	.5603	2.385
#1	-1.227	469.8	742.9	581.8
#2	.3016	468.9	735.0	599.2
#3	-2.092	468.5	736.8	571.6

Check ?	Chk Pass	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	2396.9	26711.	3851.6
Stddev	10.8	70.	17.5
%RSD	.45050	.26036	.45348
#1	2386.1	26736.	3842.5
#2	2396.9	26632.	3840.5
#3	2407.7	26765.	3871.7

Sample Name: 460-41708-d-5-g@10 Acquired: 6/29/2012 13:34:53 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10160.	2.077	.2197	106.2	.3177	151300.
Stddev	15.	2.456	.4276	.3	.1373	187.
%RSD	.1439	118.3	194.6	.3199	43.21	.1235

#1	10170.	-.2236	.1175	106.5	.2937	151100.
#2	10170.	4.663	-.1476	105.9	.4653	151400.
#3	10150.	1.790	.6891	106.0	.1940	151500.

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	.3836	5.625	27.18	24.16	25300.	1473.
Stddev	.0105	.148	.17	.90	54.	50.
%RSD	2.726	2.635	.6419	3.724	.2131	3.380

#1	.3944	5.794	27.36	24.90	25360.	1526.
#2	.3828	5.562	27.16	23.16	25260.	1466.
#3	.3736	5.518	27.02	24.43	25290.	1427.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8328.	255.3	725.7	14.57	10.93	.2705
Stddev	15.	.4	3.0	.42	.99	1.226
%RSD	.1799	.1597	.4082	2.897	9.050	453.1

#1	8343.	255.8	727.2	14.30	11.90	-.1821
#2	8329.	255.0	727.5	15.06	9.924	-.6644
#3	8313.	255.1	722.3	14.36	10.96	1.658

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-5-g@10 Acquired: 6/29/2012 13:34:53 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.664	-4.568	25.56	84.33	13.29	-.0545
Stddev	1.958	3.263	.23	.28	.20	.1475
%RSD	53.44	71.43	.9044	.3291	1.480	270.8
#1	-2.968	-4.112	25.63	84.27	13.14	-.0474
#2	-2.149	-1.557	25.31	84.63	13.22	.0894
#3	-5.874	-8.034	25.75	84.08	13.51	-.2054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8788	405.3	774.2	591.5
Stddev	.5010	.9	2.0	28.7
%RSD	57.01	.2184	.2624	4.848
#1	1.456	404.5	771.9	559.4
#2	.5545	405.1	774.8	600.9
#3	.6260	406.2	775.8	614.4

Check ? Chk Pass 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	2427.1	27085.	3901.8
Stddev	5.1	162.	28.8
%RSD	.20809	.59854	.73808
#1	2421.3	26934.	3876.9
#2	2429.4	27065.	3895.3
#3	2430.5	27256.	3933.4

Sample Name: 460-41708-d-6-e@10 Acquired: 6/29/2012 13:38:31 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11880.	4.395	.2491	109.4	.2929	164900.
Stddev	44.	.603	.6581	.6	.0611	589.
%RSD	.3703	13.72	264.2	.5396	20.85	.3571

#1	11930.	5.089	.6980	109.8	.3187	164300.
#2	11870.	4.096	.5556	109.7	.2232	165200.
#3	11840.	4.000	-.5064	108.7	.3368	165300.

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	.5288	7.858	31.49	42.57	32960.	2386.
Stddev	.1170	.274	.20	1.56	87.	20.
%RSD	22.13	3.489	.6386	3.674	.2653	.8296

#1	.6453	8.018	31.66	44.37	32980.	2364.
#2	.5296	8.013	31.54	41.75	33040.	2394.
#3	.4113	7.541	31.27	41.59	32870.	2401.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9862.	386.5	921.5	16.52	35.06	.4163
Stddev	16.	.8	9.5	.24	1.63	1.536
%RSD	.1613	.2173	1.032	1.443	4.650	368.9

#1	9879.	385.6	931.5	16.67	35.56	1.505
#2	9860.	386.8	920.6	16.65	33.23	1.084
#3	9848.	387.2	912.5	16.25	36.38	-1.340

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-6-e@10 Acquired: 6/29/2012 13:38:31 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.363	-3.381	22.86	209.0	18.75	.6957
Stddev	1.446	1.757	.50	1.4	.17	.3212
%RSD	61.21	51.97	2.181	.6934	.9131	46.17
#1	-2.695	-4.629	22.35	209.6	18.79	.6632
#2	-3.613	-4.143	23.35	210.1	18.90	.3920
#3	-.7791	-1.372	22.88	207.4	18.56	1.032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.217	798.5	941.2	611.1
Stddev	.246	2.4	4.1	9.4
%RSD	11.09	.3050	.4342	1.536
#1	1.979	795.7	943.3	615.4
#2	2.203	800.1	943.9	617.5
#3	2.470	799.6	936.5	600.3

Check ?	Chk Pass	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	2450.3	27329.	3935.9
Stddev	1.7	89.	16.8
%RSD	.06838	.32695	.42604
#1	2450.5	27420.	3935.3
#2	2451.8	27327.	3952.9
#3	2448.5	27241.	3919.4

Sample Name: 460-41708-d-7-e@10 Acquired: 6/29/2012 13:42:09 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11420.	4.833	-1867	122.3	.4100	159100.
Stddev	15.	1.391	.1217	.1	.0512	109.
%RSD	.1347	28.78	65.16	.0955	12.50	.0687

#1	11420.	3.336	-.2632	122.3	.3568	159000.
#2	11410.	6.085	-.0464	122.4	.4590	159200.
#3	11440.	5.078	-.2505	122.2	.4142	159100.

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	.0869	7.132	29.32	11.33	24010.	2463.
Stddev	.1097	.362	.15	.97	14.	51.
%RSD	126.3	5.081	.5253	8.549	.0590	2.076

#1	-.0392	7.503	29.49	12.24	24010.	2485.
#2	.1392	7.116	29.18	11.43	23990.	2500.
#3	.1606	6.779	29.29	10.31	24020.	2404.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9023.	276.9	1995.	15.55	3.827	4.378
Stddev	23.	.4	10.	.19	1.638	2.281
%RSD	.2572	.1590	.5069	1.253	42.79	52.09

#1	9049.	277.0	2006.	15.33	2.703	5.245
#2	9011.	277.3	1993.	15.61	5.706	1.791
#3	9008.	276.5	1987.	15.71	3.072	6.098

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-7-e@10 Acquired: 6/29/2012 13:42:09 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.9583	-2.896	29.80	54.63	13.02	1.335
Stddev	3.241	1.117	.22	.07	.38	.183
%RSD	338.1	38.57	.7320	.1216	2.933	13.73
#1	-1.385	-2.039	30.02	54.70	13.16	1.307
#2	2.474	-2.490	29.79	54.56	12.58	1.531
#3	-3.964	-4.159	29.59	54.64	13.31	1.168

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-0.1498	323.6	948.3	564.4
Stddev	1.234	.8	4.2	20.2
%RSD	823.7	.2491	.4384	3.582
#1	1.117	322.8	950.7	544.8
#2	-1.348	323.6	943.5	585.2
#3	-0.2189	324.4	950.8	563.1

Check ? Chk Pass 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	2433.7	27222.	3889.8
Stddev	6.7	36.	14.0
%RSD	.27551	.13337	.35994
#1	2440.4	27181.	3875.2
#2	2433.7	27238.	3903.1
#3	2427.0	27248.	3891.0

Sample Name: 460-41708-d-8-e@10 Acquired: 6/29/2012 13:45:47 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9227.	3.702	.2533	62.08	.4609	145900.
Stddev	48.	4.630	.9129	.18	.2019	319.
%RSD	.5218	125.1	360.3	.2862	43.80	.2188

#1	9191.	-1.284	-.7807	62.25	.3984	145600.
#2	9282.	4.526	.9477	62.08	.2976	146200.
#3	9209.	7.864	.5931	61.90	.6866	145900.

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	.2876	6.609	27.35	26.49	24680.	1580.
Stddev	.0737	.316	.29	3.78	63.	79.
%RSD	25.64	4.787	1.065	14.27	.2548	4.999

#1	.2841	6.463	27.02	22.17	24740.	1566.
#2	.3631	6.973	27.51	29.16	24690.	1666.
#3	.2157	6.393	27.53	28.15	24620.	1510.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8489.	174.8	531.0	20.37	7.950	1.116
Stddev	14.	.4	17.4	.43	.532	1.401
%RSD	.1674	.2222	3.282	2.125	6.688	125.5

#1	8501.	175.1	533.6	20.85	7.681	2.368
#2	8494.	174.8	512.4	20.24	7.606	1.376
#3	8473.	174.4	546.9	20.01	8.562	-.3969

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-8-e@10 Acquired: 6/29/2012 13:45:47 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.853	-3.382	28.87	23.29	12.10	.7236
Stddev	3.985	.733	.57	.11	.59	.2715
%RSD	103.4	21.67	1.960	.4639	4.892	37.53
#1	.7457	-3.728	28.76	23.23	12.67	1.034
#2	-6.271	-2.540	28.37	23.42	12.14	.6042
#3	-6.034	-3.877	29.49	23.22	11.49	.5322

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.167	938.1	508.6	551.6
Stddev	.706	1.6	.3	35.2
%RSD	60.54	.1697	.0668	6.386
#1	.8647	936.5	508.7	524.6
#2	1.974	939.7	508.9	591.5
#3	.6619	938.2	508.2	538.8

Check ? Chk Pass 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	2495.6	27981.	4000.0
Stddev	5.8	70.	18.4
%RSD	.23212	.25104	.45918
#1	2490.0	27921.	3985.2
#2	2495.3	27963.	3994.3
#3	2501.6	28058.	4020.5

Sample Name: 460-41708-d-9-e@10 Acquired: 6/29/2012 13:49:26 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15000.	3.924	1.118	101.2	.4290	136800.
Stddev	11.	2.220	.092	.1	.0371	53.
%RSD	.0703	56.58	8.201	.1399	8.656	.0386

#1	14990.	1.749	1.173	101.2	.4093	136700.
#2	15010.	6.187	1.012	101.3	.4718	136800.
#3	15000.	3.838	1.169	101.1	.4059	136800.

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	.3034	8.258	17.44	19.63	18010.	1864.
Stddev	.0757	.344	.37	4.36	70.	49.
%RSD	24.94	4.164	2.144	22.20	.3875	2.626

#1	.2770	8.581	17.86	16.19	18090.	1898.
#2	.3887	7.896	17.13	18.18	17970.	1887.
#3	.2445	8.297	17.35	24.53	17960.	1808.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6844.	543.1	1041.	13.50	5.901	.9543
Stddev	10.	.3	16.	.11	1.829	.9984
%RSD	.1459	.0472	1.578	.8130	31.00	104.6

#1	6854.	543.4	1030.	13.43	7.183	-.1964
#2	6834.	542.8	1034.	13.63	6.714	1.468
#3	6844.	543.2	1060.	13.46	3.806	1.592

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41708-d-9-e@10 Acquired: 6/29/2012 13:49:26 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.860	-.9364	30.95	74.07	27.25	-1.097
Stddev	1.303	3.012	.12	.41	.46	.375
%RSD	45.55	321.7	.3932	.5497	1.678	34.20
#1	-1.641	-3.969	30.97	74.54	27.09	-1.057
#2	-2.706	2.055	30.81	73.88	27.76	-.7438
#3	-4.233	-.8954	31.05	73.79	26.89	-1.491

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3060	968.7	597.4	571.3
Stddev	1.048	.9	1.4	1.9
%RSD	342.3	.0935	.2401	.3370
#1	.9519	968.0	595.9	571.4
#2	.8687	969.7	597.6	569.4
#3	-.9027	968.4	598.7	573.2

Check ? Chk Pass 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	2363.6	26565.	3744.0
Stddev	13.9	51.	16.7
%RSD	.58893	.19144	.44497
#1	2363.0	26545.	3762.9
#2	2377.8	26623.	3737.4
#3	2350.0	26528.	3731.6

Sample Name: CCV Acquired: 6/29/2012 13:53:06 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123500.	2464.	1235.	9994.	969.6	124000.
Stddev	280.	8.	1.	5.	.9	243.
%RSD	.2263	.3109	.0919	.0539	.0960	.1958

#1	123700.	2461.	1236.	9998.	970.6	124300.
#2	123500.	2458.	1234.	9996.	969.5	123900.
#3	123200.	2473.	1234.	9987.	968.8	123900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1247.	2464.	4910.	12310.	98300.	48990.
Stddev	1.	2.	6.	14.	103.	53.
%RSD	.0847	.0791	.1147	.1101	.1051	.1079

#1	1246.	2465.	4903.	12330.	98190.	49030.
#2	1248.	2464.	4914.	12310.	98380.	48930.
#3	1248.	2462.	4912.	12310.	98340.	49010.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120400.	5013.	123500.	2481.	7476.	1010.
Stddev	183.	4.	210.	1.	3.	2.
%RSD	.1518	.0753	.1703	.0493	.0387	.1665

#1	120200.	5010.	123700.	2482.	7473.	1008.
#2	120600.	5017.	123500.	2482.	7475.	1011.
#3	120400.	5012.	123300.	2480.	7479.	1011.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/29/2012 13:53:06 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2427.	2529.	2436.	2451.	1036.	2518.
Stddev	13.	3.	.	2.	4.	2.
%RSD	.5481	.1113	.0117	.0840	.3409	.0845

#1	2415.	2529.	2436.	2450.	1032.	2516.
#2	2426.	2532.	2436.	2454.	1038.	2520.
#3	2441.	2526.	2436.	2450.	1038.	2519.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	990.6	4974.	10000.	10180.
Stddev	.9	11.	12.	52.
%RSD	.0928	.2187	.1226	.5095

#1	990.3	4986.	10020.	10150.
#2	991.6	4968.	9991.	10140.
#3	989.9	4968.	10000.	10240.

Check ?	Chk Pass	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	2282.3	25409.	3754.0
Stddev	5.5	94.	17.5
%RSD	.24155	.37017	.46683

#1	2277.4	25344.	3736.8
#2	2281.3	25366.	3753.2
#3	2288.3	25516.	3771.8

Sample Name: CCB Acquired: 6/29/2012 13:56:26 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.32	.9229	.0779	.5363	-.1431	45.92
Stddev	23.80	2.579	.5272	.6620	.2257	23.32
%RSD	90.42	279.4	676.4	123.4	157.7	50.78
#1	27.25	.6519	.6763	1.299	.1132	72.56
#2	49.64	-1.510	-.3180	.1052	-.3123	29.21
#3	2.070	3.626	-.1245	.2052	-.2303	35.99

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	.1804	-.1167	.8122	1.970	5.042	87.10
Stddev	.1459	.3485	.8380	.569	8.890	33.98
%RSD	80.89	298.6	103.2	28.88	176.3	39.01
#1	.3439	-.0087	1.624	1.313	15.12	106.1
#2	.0633	.1650	.8622	2.278	1.693	107.3
#3	.1340	-.5065	-.0497	2.318	-1.687	47.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.223	.3690	35.81	.5342	.9875	2.484
Stddev	7.603	.4802	14.75	.4171	.3168	1.454
%RSD	82.44	130.1	41.20	78.08	32.09	58.54
#1	17.69	.9220	52.67	.8330	1.318	4.148
#2	7.004	.1286	29.49	.0577	.6865	1.452
#3	2.976	.0564	25.27	.7121	.9578	1.853

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/29/2012 13:56:26 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4561	-.0255	.5469	.2384	1.079	1.723
Stddev	1.138	1.771	.1917	.1412	.754	.674
%RSD	249.4	6960.	35.05	59.24	69.87	39.12
#1	.2176	.9810	.4598	.3133	1.832	2.419
#2	1.694	1.013	.7667	.0755	1.081	1.677
#3	-.5432	-2.071	.4143	.3265	.3240	1.073

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1467	.6007	2.011	10.15
Stddev	.6748	.4977	1.140	20.05
%RSD	460.1	82.85	56.70	197.6
#1	-.3404	1.149	1.213	-.2178
#2	-.1365	.4763	3.317	33.26
#3	.9170	.1770	1.503	-2.601

Check ? Chk Pass 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	2411.0	27159.	3755.6
Stddev	6.1	46.	22.4
%RSD	.25264	.16988	.59729
#1	2417.9	27162.	3740.6
#2	2406.5	27204.	3781.4
#3	2408.5	27112.	3744.8

Sample Name: mb 460-117991/1-a Acquired: 6/29/2012 14:00:12 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.061	-.8364	-.1636	.0069	-.1954	26.04
Stddev	6.506	2.433	.4238	.0059	.0458	18.09
%RSD	315.7	290.8	259.0	86.02	23.44	69.46
#1	8.270	-2.220	.2836	.0107	-.2347	46.82
#2	2.620	-2.262	-.5592	.0097	-.2064	13.87
#3	-4.707	1.973	-.2152	.0001	-.1451	17.43

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	.1105	.1443	-.2545	-.8158	2.597	-17.63
Stddev	.0470	.2254	.3734	2.903	7.352	44.01
%RSD	42.54	156.3	146.7	355.9	283.1	249.6
#1	.0577	.3775	-.6397	2.046	4.985	-23.50
#2	.1476	-.0724	-.2297	-.7348	8.457	-58.42
#3	.1263	.1277	.1059	-3.759	-5.652	29.01

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.304	.0343	34.03	.6380	.3596	1.795
Stddev	3.036	.0425	4.66	.2516	.7032	1.145
%RSD	91.90	124.1	13.69	39.43	195.5	63.79
#1	-6.806	-.0148	28.69	.8934	1.121	3.117
#2	-1.691	.0608	36.21	.6301	-.2662	1.100
#3	-1.414	.0568	37.21	.3905	.2246	1.169

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: mb 460-117991/1-a Acquired: 6/29/2012 14:00:12 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.872	-2.598	.2053	.0577	3.510	-.6706
Stddev	2.753	.903	.3434	.0836	.572	.1233
%RSD	95.84	34.75	167.3	144.8	16.30	18.38
#1	-5.234	-3.283	.4495	-.0168	3.198	-.5840
#2	-3.533	-2.937	-.1874	.0418	3.162	-.6162
#3	.1510	-1.575	.3537	.1482	4.171	-.8118

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0851	.0972	-.4188	22.92
Stddev	1.147	.2017	1.697	39.79
%RSD	1347.	207.6	405.2	173.6
#1	-1.008	-.0323	-2.001	58.32
#2	-.0167	.3296	-.6290	30.58
#3	1.280	-.0058	1.374	-20.14

Check ?	Chk Pass	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	2410.4	27278.	3742.0
Stddev	4.0	81.	4.4
%RSD	.16507	.29815	.11832
#1	2407.0	27352.	3745.3
#2	2409.3	27291.	3737.0
#3	2414.8	27191.	3743.8

Sample Name: lcs 460-117991/2-a Acquired: 6/29/2012 14:03:58 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1972.	1988.	49.23	2094.	49.37	20250.
Stddev	18.	4.	.65	2.	.36	44.
%RSD	.9031	.2072	1.310	.0738	.7253	.2189

#1	1957.	1986.	49.73	2095.	49.49	20280.
#2	1968.	1993.	48.50	2093.	49.66	20270.
#3	1991.	1986.	49.45	2096.	48.97	20200.

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	52.51	524.1	204.2	249.9	1033.	19100.
Stddev	.17	.8	.6	.8	6.	30.
%RSD	.3304	.1512	.2810	.3311	.5915	.1597

#1	52.65	524.9	203.6	250.2	1038.	19130.
#2	52.57	524.1	204.2	249.0	1026.	19080.
#3	52.32	523.3	204.8	250.5	1034.	19080.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19450.	527.0	19830.	529.0	537.0	499.9
Stddev	50.	1.3	58.	1.2	1.6	2.8
%RSD	.2558	.2533	.2938	.2204	.2919	.5691

#1	19480.	528.5	19810.	530.2	538.2	497.6
#2	19470.	526.6	19890.	528.7	535.2	498.9
#3	19390.	525.9	19780.	528.0	537.6	503.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-117991/2-a Acquired: 6/29/2012 14:03:58 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1957.	2220.	500.1	514.5	528.0	518.3
Stddev	7.	1.	1.2	1.1	.9	.9
%RSD	.3455	.0569	.2451	.2214	.1663	.1789

#1	1963.	2222.	500.7	515.5	528.3	519.2
#2	1958.	2220.	498.6	513.2	527.0	517.3
#3	1949.	2220.	500.9	514.7	528.7	518.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	524.5	490.4	515.9	F 76.33
Stddev	1.2	.9	.3	41.40
%RSD	.2214	.1884	.0517	54.23

#1	525.8	490.8	516.1	28.67
#2	523.8	491.0	516.0	103.3
#3	523.8	489.3	515.6	97.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				2000.
Range				-15.00%

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	2402.6	27038.	3854.2
Stddev	5.7	76.	15.4
%RSD	.23613	.28159	.39976

#1	2399.3	26951.	3850.5
#2	2399.3	27068.	3841.0
#3	2409.1	27095.	3871.1

Sample Name: 460-40892-d-14-c du Acquired: 6/29/2012 14:07:23 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-19.01	3.390	.5270	120.4	-.2720	126700.
Stddev	16.97	1.080	.3334	.3	.0585	248.
%RSD	89.28	31.85	63.27	.2325	21.52	.1957
#1	-38.60	4.452	.8590	120.7	-.3132	127000.
#2	-8.995	3.425	.1921	120.5	-.2050	126600.
#3	-9.428	2.293	.5298	120.1	-.2979	126500.

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	.1055	2.143	-.1789	-2.847	32780.	7594.
Stddev	.0798	.245	.3813	4.713	36.	19.
%RSD	75.61	11.42	213.1	165.6	.1088	.2477
#1	.0162	2.384	-.3547	-5.200	32820.	7580.
#2	.1698	1.894	-.4407	-5.921	32770.	7588.
#3	.1306	2.151	.2585	2.580	32750.	7616.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9588.	1105.	33970.	2.682	4.977	.4228
Stddev	26.	1.	100.	.537	.743	.6759
%RSD	.2710	.0581	.2950	20.01	14.93	159.9
#1	9574.	1105.	34060.	2.692	4.119	.7761
#2	9572.	1104.	33860.	2.140	5.393	.8489
#3	9618.	1105.	33990.	3.213	5.418	-.3565

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-40892-d-14-c du Acquired: 6/29/2012 14:07:23 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.294	-.9958	.3204	4.385	115.0	2.388
Stddev	1.849	1.251	.2896	.223	.6	.192
%RSD	56.12	125.6	90.37	5.081	.5095	8.050
#1	-1.184	.4089	.3017	4.128	115.4	2.598
#2	-4.628	-1.408	.6189	4.519	114.3	2.346
#3	-4.071	-1.988	.0407	4.508	115.2	2.220

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1122	804.9	6.130	12730.
Stddev	.4271	.7	.860	77.
%RSD	380.5	.0821	14.04	.6064
#1	-.5228	805.6	5.967	12700.
#2	.3297	804.9	7.060	12820.
#3	-.1436	804.2	5.363	12680.

Check ? Chk Pass 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	2360.0	26510.	3825.6
Stddev	1.1	64.	20.2
%RSD	.04529	.24097	.52862
#1	2358.9	26504.	3802.4
#2	2359.9	26576.	3839.7
#3	2361.0	26449.	3834.7

Sample Name: 460-40892-d-14-b Acquired: 6/29/2012 14:11:02 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.081	1.731	-.3151	117.4	-.2016	123600.
Stddev	7.295	1.812	.5243	.4	.0777	205.
%RSD	120.0	104.7	166.4	.3470	38.54	.1660

#1	-6.067	1.839	-.1967	117.9	-.2075	123500.
#2	1.207	3.487	.1399	117.2	-.2763	123800.
#3	-13.38	-.1327	-.8885	117.2	-.1212	123500.

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	.0844	2.150	-.5296	-1.971	32110.	7458.
Stddev	.0298	.281	.0676	3.123	36.	47.
%RSD	35.30	13.07	12.76	158.5	.1129	.6337

#1	.0546	2.159	-.5739	-1.758	32110.	7440.
#2	.0843	2.426	-.4518	1.040	32080.	7512.
#3	.1142	1.864	-.5630	-5.194	32150.	7422.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9395.	1080.	33130.	2.386	3.435	3.450
Stddev	11.	1.	38.	.634	.081	.952
%RSD	.1173	.0895	.1146	26.58	2.351	27.59

#1	9396.	1080.	33090.	2.517	3.452	2.530
#2	9405.	1080.	33170.	2.944	3.347	3.389
#3	9383.	1078.	33140.	1.697	3.506	4.431

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40892-d-14-b Acquired: 6/29/2012 14:11:02 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.222	-.2711	.1818	4.435	112.6	1.562
Stddev	2.564	1.077	.6995	.055	.7	.553
%RSD	79.59	397.4	384.8	1.228	.6047	35.42

#1	-4.177	-.2602	.4030	4.497	112.5	1.862
#2	-.3170	.8008	.7440	4.395	113.3	.9234
#3	-5.171	-1.354	-.6016	4.414	111.9	1.900

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6148	785.1	5.849	12480.
Stddev	.5056	.6	2.722	45.
%RSD	82.25	.0814	46.54	.3567

#1	-.9647	784.6	5.829	12520.
#2	-.8445	785.8	8.582	12430.
#3	-.0351	784.8	3.137	12490.

Check ?	Chk Pass	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	2363.1	26579.	3838.5
Stddev	1.4	12.	19.8
%RSD	.06022	.04633	.51513

#1	2363.1	26586.	3843.8
#2	2361.6	26565.	3816.6
#3	2364.5	26587.	3855.1

Sample Name: sd 460-40892-d-14-b@ Acquired: 6/29/2012 14:14:41 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.918	.8952	.2967	24.19	-.3443	25320.
Stddev	10.60	.5075	.0550	.14	.1310	112.
%RSD	215.5	56.69	18.54	.5885	38.03	.4439
#1	16.96	.4631	.3275	24.30	-.2877	25220.
#2	.7805	.7686	.3295	24.24	-.2513	25310.
#3	-2.987	1.454	.2332	24.03	-.4941	25440.

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	.0664	.5250	-.0836	-2.359	6609.	1471.
Stddev	.1289	.0473	.2482	4.169	10.	67.
%RSD	194.2	9.015	297.0	176.7	.1561	4.549
#1	.2147	.5090	.0929	-6.294	6599.	1401.
#2	-.0178	.5782	-.3673	-2.793	6620.	1477.
#3	.0022	.4878	.0237	2.010	6608.	1535.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1962.	222.3	6721.	.9629	1.255	2.686
Stddev	6.	.2	13.	.1089	.518	.842
%RSD	.2936	.0885	.1963	11.31	41.24	31.34
#1	1956.	222.5	6724.	1.039	1.551	3.098
#2	1967.	222.1	6707.	1.012	1.558	1.717
#3	1963.	222.3	6733.	.8381	.6576	3.242

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: sd 460-40892-d-14-b@ Acquired: 6/29/2012 14:14:41 Type: Unk
 Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.117	-.2711	.1018	2.070	22.31	-.6112
Stddev	1.197	1.686	.5426	.197	.73	.1755
%RSD	56.54	621.8	533.0	9.510	3.285	28.72
#1	-3.445	-1.281	.7282	2.175	21.77	-.7578
#2	-1.783	-1.207	-.2017	2.191	23.15	-.4167
#3	-1.122	1.675	-.2211	1.843	22.03	-.6590

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0528	160.9	.6097	2446.
Stddev	1.243	.7	.4942	19.
%RSD	2352.	.4230	81.05	.7675
#1	1.069	160.4	1.174	2437.
#2	.1605	160.5	.2529	2434.
#3	-1.388	161.6	.4025	2468.

Check ? Chk Pass 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	2429.0	27374.	3862.7
Stddev	9.4	89.	20.0
%RSD	.38544	.32543	.51676
#1	2419.2	27294.	3839.8
#2	2429.9	27356.	3872.0
#3	2437.9	27470.	3876.3

Sample Name: 460-40892-d-14-d.ms Acquired: 6/29/2012 14:18:23 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1889.	1958.	47.48	2117.	48.01	141400.
Stddev	13.	5.	.66	3.	.20	270.
%RSD	.7041	.2791	1.380	.1510	.4062	.1911

#1	1895.	1953.	47.83	2119.	48.19	141500.
#2	1898.	1964.	46.73	2114.	48.06	141500.
#3	1874.	1957.	47.89	2119.	47.80	141000.

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	50.48	501.0	196.5	240.8	32810.	26050.
Stddev	.14	.4	.8	4.0	73.	65.
%RSD	.2762	.0770	.4073	1.654	.2236	.2494

#1	50.41	501.1	197.4	236.2	32880.	25990.
#2	50.39	500.5	196.1	242.9	32800.	26120.
#3	50.64	501.3	195.9	243.3	32740.	26030.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27850.	1574.	51810.	504.5	509.4	488.1
Stddev	35.	1.	89.	.9	2.3	4.4
%RSD	.1243	.0783	.1711	.1772	.4539	.8934

#1	27850.	1576.	51840.	503.5	506.8	485.4
#2	27890.	1574.	51880.	504.9	510.9	485.7
#3	27820.	1573.	51710.	505.1	510.7	493.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40892-d-14-d.ms Acquired: 6/29/2012 14:18:23 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1918.	2055.	486.7	496.8	623.9	501.7
Stddev	6.	5.	.8	.2	1.0	1.4
%RSD	.2891	.2474	.1658	.0409	.1666	.2814

#1	1912.	2060.	486.5	496.6	624.4	502.2
#2	1923.	2050.	486.1	496.9	622.7	500.0
#3	1919.	2056.	487.6	496.9	624.6	502.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	503.5	1249.	504.4	12580.
Stddev	.5	3.	2.3	23.
%RSD	.0922	.2799	.4460	.1806

#1	503.4	1250.	502.5	12580.
#2	503.1	1252.	506.9	12600.
#3	504.0	1245.	503.9	12550.

Check ?	Chk Pass	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	2350.9	26432.	3868.8
Stddev	3.8	16.	8.4
%RSD	.16204	.06122	.21836

#1	2352.4	26428.	3859.9
#2	2353.7	26450.	3876.8
#3	2346.5	26418.	3869.6

Sample Name: pds 460-40892-d-14-b Acquired: 6/29/2012 14:21:47 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1898.	1968.	49.19	2132.	48.82	140600.
Stddev	14.	4.	.32	2.	.12	452.
%RSD	.7417	.2150	.6566	.1060	.2473	.3214
#1	1889.	1971.	48.94	2134.	48.82	140100.
#2	1914.	1970.	49.08	2130.	48.71	140700.
#3	1890.	1963.	49.56	2133.	48.95	141000.

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	50.62	504.8	198.6	242.5	32230.	26310.
Stddev	.21	.3	.7	1.2	41.	195.
%RSD	.4055	.0582	.3744	.4921	.1266	.7419
#1	50.86	504.8	199.4	241.7	32220.	26330.
#2	50.51	505.1	197.9	243.9	32200.	26110.
#3	50.50	504.5	198.5	242.0	32280.	26500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27760.	1567.	51620.	508.1	513.2	491.5
Stddev	43.	3.	107.	1.6	1.8	3.3
%RSD	.1555	.2114	.2074	.3214	.3485	.6693
#1	27770.	1563.	51650.	509.8	512.4	491.1
#2	27720.	1567.	51500.	506.6	511.9	495.0
#3	27800.	1569.	51700.	507.9	515.2	488.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-40892-d-14-b Acquired: 6/29/2012 14:21:47 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1929.	2081.	490.9	499.9	626.7	507.0
Stddev	5.	3.	1.2	.3	1.2	.5
%RSD	.2519	.1522	.2357	.0561	.1968	.1049

#1	1927.	2083.	489.7	500.2	626.7	506.3
#2	1934.	2084.	490.8	499.7	625.5	507.2
#3	1925.	2078.	492.1	499.8	628.0	507.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	504.6	1248.	507.5	12360.
Stddev	2.2	4.	2.2	20.
%RSD	.4381	.3112	.4260	.1628

#1	507.1	1244.	509.4	12370.
#2	503.5	1248.	505.2	12370.
#3	503.1	1251.	508.0	12340.

Check ?	Chk Pass	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	2352.9	26458.	3852.2
Stddev	3.4	88.	12.4
%RSD	.14493	.33414	.32152

#1	2353.3	26477.	3843.5
#2	2356.1	26535.	3866.4
#3	2349.3	26362.	3846.7

Sample Name: 460-41573-a-4-a Acquired: 6/29/2012 14:25:10 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-66.73	2.817	.5860	26.26	-.2258	235600.
Stddev	26.80	1.341	.1773	.21	.1312	1422.
%RSD	40.17	47.61	30.26	.7927	58.10	.6036

#1	-79.48	1.329	.4571	26.42	-.3487	234000.
#2	-84.77	3.188	.7882	26.33	-.0876	236700.
#3	-35.93	3.933	.5128	26.02	-.2412	236100.

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	.2084	-1.276	-1.336	-.5316	-80.28	F 223100.
Stddev	.1667	.052	.604	1.170	6.65	6096.
%RSD	79.98	4.065	45.23	220.1	8.285	2.733

#1	.3657	-1.227	-.7564	.4724	-76.36	216200.
#2	.2256	-1.330	-1.289	-1.817	-87.96	225400.
#3	.0338	-1.270	-1.962	-.2505	-76.51	227700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 654100.	36.97	F 3414000.	1.395	-3.794	4.337
Stddev	935.	.11	164200.	.379	.976	.414
%RSD	.1429	.3012	4.810	27.15	25.72	9.550

#1	653100.	36.84	3595000.	1.115	-2.667	4.126
#2	654900.	37.02	3371000.	1.243	-4.374	4.071
#3	654400.	37.05	3275000.	1.825	-4.340	4.814

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Sample Name: 460-41573-a-4-a Acquired: 6/29/2012 14:25:10 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8164	1.300	2.033	12.18	F 2585.	5.207
Stddev	.3573	.840	.211	.26	4.	.224
%RSD	43.76	64.65	10.37	2.139	.1520	4.303
#1	-7226	2.226	2.277	12.39	2581.	5.146
#2	-1.211	.5863	1.912	11.89	2588.	5.456
#3	-.5154	1.087	1.911	12.25	2585.	5.021

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.433	4064.	7.349	1667.
Stddev	.934	22.	.524	27.
%RSD	38.39	.5404	7.129	1.612
#1	-1.360	4039.	7.162	1695.
#2	-3.067	4071.	6.944	1666.
#3	-2.871	4081.	7.941	1641.

Check ?	Chk Pass	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	1819.2	20272.	3613.0
Stddev	25.8	254.	50.6
%RSD	1.4196	1.2537	1.4009
#1	1794.3	20535.	3636.2
#2	1817.4	20027.	3555.0
#3	1845.9	20254.	3648.0

Sample Name: 460-40892-d-4-b Acquired: 6/29/2012 14:29:08 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-35.60	7.306	.1418	887.9	-.2611	148000.
Stddev	17.90	1.185	.3690	.4	.0188	700.
%RSD	50.28	16.21	260.3	.0455	7.206	.4729

#1	-20.46	7.698	.5679	888.4	-.2821	147600.
#2	-55.36	5.975	-.0714	887.9	-.2551	147500.
#3	-30.99	8.244	-.0712	887.6	-.2459	148800.

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	.1327	4.755	1.424	-.2522	3619.	52630.
Stddev	.0226	.191	.473	4.328	12.	110.
%RSD	17.01	4.007	33.21	1716.	.3356	.2090

#1	.1163	4.975	1.166	3.034	3618.	52700.
#2	.1234	4.646	1.137	-5.156	3631.	52500.
#3	.1585	4.645	1.970	1.366	3607.	52680.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44320.	202.6	115900.	21.52	4.218	6.104
Stddev	40.	.3	551.	.04	1.266	1.544
%RSD	.0900	.1558	.4751	.2061	30.01	25.30

#1	44360.	202.7	116400.	21.49	4.712	7.216
#2	44310.	202.2	115300.	21.57	5.162	4.340
#3	44280.	202.8	116100.	21.50	2.780	6.755

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-40892-d-4-b Acquired: 6/29/2012 14:29:08 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6764	-1.110	3.180	9.501	1455.	29.11
Stddev	4.276	.522	.479	.108	1.	.06
%RSD	632.2	46.99	15.07	1.134	.0808	.1901
#1	-4.336	-1.625	2.632	9.557	1454.	29.06
#2	-1.717	-.5825	3.385	9.570	1455.	29.10
#3	4.023	-1.122	3.522	9.377	1457.	29.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.165	1384.	10.31	17870.
Stddev	1.048	8.	2.25	52.
%RSD	90.01	.5458	21.79	.2891
#1	2.066	1381.	8.004	17900.
#2	1.413	1378.	10.43	17900.
#3	.0144	1392.	12.49	17810.

Check ?	Chk Pass	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	2286.6	25734.	3811.3
Stddev	4.2	80.	25.1
%RSD	.18470	.31000	.65742
#1	2291.4	25788.	3836.8
#2	2285.0	25643.	3810.2
#3	2283.4	25772.	3786.8

Sample Name: 460-40892-d-8-b Acquired: 6/29/2012 14:32:45 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-44.53	-1.045	.5821	647.2	-.2014	144400.
Stddev	10.90	1.283	.5775	2.1	.0724	417.
%RSD	24.47	122.9	99.21	.3282	35.93	.2888
#1	-38.59	-2.465	.0974	648.7	-.1939	144900.
#2	-57.11	.0312	.4277	648.1	-.1332	144400.
#3	-37.89	-.6995	1.221	644.7	-.2773	144000.

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	.0009	1.304	2.327	-1.915	36850.	5529.
Stddev	.0286	.122	.257	3.261	36.	71.
%RSD	3201.	9.344	11.03	170.3	.0971	1.292
#1	.0053	1.354	2.052	-4.854	36810.	5611.
#2	-.0297	1.393	2.369	1.593	36860.	5492.
#3	.0270	1.165	2.560	-2.483	36890.	5484.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8308.	761.6	40410.	4.036	3.001	1.999
Stddev	18.	2.6	49.	.176	.992	1.909
%RSD	.2182	.3403	.1206	4.368	33.06	95.51
#1	8288.	763.7	40460.	4.144	4.026	.3203
#2	8323.	762.4	40360.	4.131	2.933	1.600
#3	8313.	758.7	40400.	3.832	2.045	4.075

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-40892-d-8-b Acquired: 6/29/2012 14:32:45 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.469	-2.157	.2968	11.71	138.9	1.150
Stddev	1.268	1.066	.3003	.16	1.8	.162
%RSD	36.55	49.41	101.2	1.361	1.279	14.10
#1	-4.322	-3.365	-.0311	11.76	140.7	1.079
#2	-4.072	-1.352	.3629	11.85	138.7	1.336
#3	-2.012	-1.753	.5586	11.54	137.2	1.035

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0459	811.2	5.994	13930.
Stddev	.7588	2.5	1.128	36.
%RSD	1652.	.3106	18.81	.2619
#1	-.5647	813.9	4.724	13930.
#2	.8249	808.8	6.377	13900.
#3	-.3981	811.0	6.880	13970.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2336.8	26301.	3789.0
Stddev	4.0	50.	15.8
%RSD	.17090	.19198	.41813
#1	2332.2	26291.	3792.4
#2	2338.3	26256.	3771.8
#3	2339.8	26356.	3802.9

Sample Name: CCV Acquired: 6/29/2012 14:36:27 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124500.	2504.	1242.	10110.	966.5	123900.
Stddev	81.	5.	3.	4.	1.2	183.
%RSD	.0648	.2003	.2039	.0430	.1225	.1481

#1	124400.	2510.	1243.	10110.	965.5	123700.
#2	124500.	2501.	1243.	10110.	966.2	124000.
#3	124500.	2501.	1239.	10100.	967.8	124000.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1262.	2489.	4962.	12320.	99230.	49060.
Stddev	1.	2.	10.	42.	154.	125.
%RSD	.1069	.0891	.1947	.3413	.1547	.2545

#1	1263.	2491.	4970.	12280.	99340.	48910.
#2	1262.	2488.	4964.	12310.	99290.	49130.
#3	1260.	2487.	4951.	12360.	99050.	49130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121600.	5045.	123600.	2506.	7546.	1021.
Stddev	171.	9.	225.	1.	3.	2.
%RSD	.1406	.1800	.1819	.0564	.0401	.1982

#1	121700.	5052.	123400.	2505.	7549.	1020.
#2	121700.	5047.	123800.	2507.	7545.	1024.
#3	121400.	5035.	123700.	2505.	7543.	1021.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/29/2012 14:36:27 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2467.	2546.	2455.	2473.	1051.	2546.
Stddev	5.	4.	4.	4.	1.	3.
%RSD	.2206	.1426	.1529	.1590	.1276	.1045

#1	2468.	2549.	2459.	2478.	1051.	2547.
#2	2471.	2547.	2455.	2471.	1049.	2548.
#3	2461.	2542.	2451.	2471.	1052.	2543.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1003.	4991.	10090.	10250.
Stddev	1.	13.	17.	68.
%RSD	.1476	.2535	.1716	.6658

#1	1004.	4977.	10070.	10170.
#2	1004.	4996.	10110.	10300.
#3	1002.	5001.	10100.	10280.

Check ?	Chk Pass	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	2278.6	25433.	3763.7
Stddev	5.5	92.	22.3
%RSD	.24124	.36336	.59380

#1	2273.3	25342.	3738.0
#2	2278.1	25526.	3777.4
#3	2284.3	25431.	3775.8

Sample Name: CCB Acquired: 6/29/2012 14:39:48 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.568	1.022	.4061	.3178	-.0822	30.44
Stddev	8.400	.278	.5104	.3757	.2386	3.56
%RSD	183.9	27.22	125.7	118.2	290.2	11.71

#1	9.904	.7012	-.0675	.7380	.1917	30.22
#2	-5.115	1.199	.9466	.2012	-.1936	26.99
#3	8.916	1.166	.3392	.0143	-.2449	34.11

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	.0709	.1162	.3850	-2.699	10.20	141.6
Stddev	.0463	.1516	.6221	2.654	9.39	62.0
%RSD	65.29	130.4	161.6	98.33	92.04	43.74

#1	.1111	.1640	1.081	-4.503	20.80	80.34
#2	.0813	.2382	.1931	.3482	2.920	140.3
#3	.0203	-.0535	-.1185	-3.941	6.888	204.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.638	.3951	161.2	.4497	.6614	2.846
Stddev	10.51	.3384	35.5	.2221	.3723	.895
%RSD	137.6	85.63	22.03	49.38	56.29	31.44

#1	19.61	.7848	201.0	.5210	.5728	2.090
#2	3.371	.2252	149.8	.2007	.3414	3.834
#3	-.0657	.1754	132.8	.6272	1.070	2.615

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/29/2012 14:39:48 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8365	-1.184	.2165	.1381	3.952	1.963
Stddev	1.046	1.263	.4736	.0243	.707	.537
%RSD	125.1	106.6	218.8	17.63	17.89	27.37
#1	1.521	.2501	.7433	.1224	4.767	2.546
#2	1.357	-1.676	.0801	.1256	3.594	1.855
#3	-.3680	-2.127	-.1739	.1661	3.496	1.487

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0321	.7017	1.931	-18.89
Stddev	.9758	.6723	1.682	29.32
%RSD	3038.	95.81	87.11	155.2
#1	1.034	1.478	2.545	-8.768
#2	-.2480	.3095	3.220	-51.93
#3	-.8818	.3176	.0282	4.030

Check ? Chk Pass 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	2410.1	27418.	3784.0
Stddev	4.3	28.	8.2
%RSD	.17828	.10305	.21619
#1	2409.7	27450.	3793.4
#2	2406.1	27407.	3778.9
#3	2414.6	27397.	3779.6

Sample Name: mb 460-118007/1-a Acquired: 6/29/2012 14:43:35 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.481	.6105	.3636	-.0508	-.1538	31.39
Stddev	9.089	.4619	.6660	.0580	.1234	14.50
%RSD	121.5	75.66	183.2	114.2	80.23	46.20

#1	17.02	1.031	.2223	-.0098	-.2029	45.71
#2	6.504	.6845	-.2204	-.1171	-.0134	31.75
#3	-1.079	.1160	1.089	-.0254	-.2451	16.71

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	.0468	.2265	.1978	-4.798	3.989	177.1
Stddev	.0887	.3251	.3760	2.094	2.375	82.7
%RSD	189.5	143.6	190.1	43.64	59.53	46.68

#1	-.0077	.3241	-.2236	-7.205	1.251	272.6
#2	.1492	-.1363	.3176	-3.401	5.485	128.1
#3	-.0010	.4915	.4992	-3.786	5.230	130.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.937	.1099	87.07	.1274	.3693	1.825
Stddev	3.324	.0610	13.00	.1081	.7891	1.271
%RSD	171.6	55.55	14.93	84.90	213.7	69.68

#1	2.012	.1739	97.79	.1687	-.1440	1.428
#2	5.223	.1034	90.81	.2087	-.0259	3.247
#3	-1.425	.0524	72.61	.0047	1.278	.7990

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-118007/1-a Acquired: 6/29/2012 14:43:35 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7313	-.5466	.3159	.0799	5.074	-.7004
Stddev	2.845	1.781	.2488	.1562	.770	.0779
%RSD	389.0	325.8	78.76	195.6	15.18	11.12
#1	-.9714	-1.191	.2540	.2406	5.493	-.7867
#2	2.226	1.467	.1039	-.0714	5.544	-.6788
#3	-3.449	-1.915	.5899	.0704	4.185	-.6355

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1411	.1730	-.1426	2.939
Stddev	.7140	.0775	1.889	15.56
%RSD	505.8	44.80	1324.	529.5
#1	.4117	.2160	-2.321	20.09
#2	.1120	.2196	.8641	-1.001
#3	-.9472	.0835	1.030	-10.27

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2408.9	27320.	3769.0
Stddev	6.7	56.	32.5
%RSD	.27782	.20615	.86341
#1	2401.4	27258.	3743.0
#2	2414.4	27334.	3758.7
#3	2410.7	27367.	3805.5

Sample Name: lb 460-117882/1-b Acquired: 6/29/2012 14:47:20 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.11	1.120	-.1147	.8619	-.2056	362.3
Stddev	13.37	.573	.7549	.0660	.0672	14.3
%RSD	34.18	51.19	658.1	7.656	32.71	3.940
#1	23.90	.9658	-.3217	.8480	-.1292	372.7
#2	48.98	.6392	-.7445	.8040	-.2316	368.3
#3	44.46	1.754	.7221	.9337	-.2559	346.0

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	.0341	.1357	.6596	-3.966	14.40	63.71
Stddev	.0099	.1187	.3332	2.746	5.73	13.71
%RSD	28.97	87.44	50.52	69.26	39.82	21.51
#1	.0238	.0993	.8128	-1.480	20.00	48.12
#2	.0351	.2683	.2773	-3.503	14.63	73.84
#3	.0434	.0395	.8887	-6.914	8.549	69.17

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.39	.4134	934.7	.2206	.7180	2.760
Stddev	4.77	.0698	13.4	.5097	.2966	1.271
%RSD	10.99	16.88	1.429	231.1	41.31	46.04
#1	48.87	.4826	927.1	.7666	.5505	2.073
#2	40.12	.3431	950.1	-.2427	1.061	1.980
#3	41.19	.4144	926.8	.1378	.5432	4.226

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: lb 460-117882/1-b Acquired: 6/29/2012 14:47:20 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.4623	-1.940	.0328	3.074	17.62	-1.113
Stddev	1.323	2.182	.3384	.051	.93	.203
%RSD	286.2	112.4	1033.	1.669	5.266	18.20
#1	-1.164	.5571	.4178	3.016	16.57	-1.317
#2	-1.286	-3.476	-.1025	3.098	18.34	-.9120
#3	1.064	-2.902	-.2171	3.110	17.96	-1.111

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8640	1.602	-.6244	206.2
Stddev	.2896	.053	.5524	12.7
%RSD	33.51	3.299	88.46	6.139
#1	-1.149	1.564	-.2602	197.2
#2	-.8737	1.662	-.3530	220.7
#3	-.5697	1.579	-1.260	200.9

Check ? Chk Pass 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	2450.5	27998.	3841.2
Stddev	4.0	121.	34.0
%RSD	.16140	.43037	.88395
#1	2450.5	27876.	3805.4
#2	2446.5	28002.	3845.0
#3	2454.5	28117.	3873.0

Sample Name: lcs 460-118007/2-a Acquired: 6/29/2012 14:51:05 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1892.	1889.	46.70	1995.	46.78	19240.
Stddev	5.	6.	.61	4.	.19	8.
%RSD	.2549	.2920	1.300	.1989	.3985	.0428

#1	1887.	1885.	46.18	1998.	46.83	19250.
#2	1894.	1896.	46.54	1997.	46.57	19240.
#3	1896.	1887.	47.37	1991.	46.93	19230.

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	50.16	499.5	195.0	238.0	993.3	18170.
Stddev	.04	1.2	.5	4.8	12.1	55.
%RSD	.0723	.2417	.2345	2.019	1.215	.3026

#1	50.14	499.1	195.1	242.8	979.4	18230.
#2	50.13	500.8	194.5	233.2	999.4	18120.
#3	50.20	498.5	195.4	238.1	1001.	18160.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18490.	500.5	18970.	504.4	508.6	475.4
Stddev	66.	.3	19.	.9	2.7	2.5
%RSD	.3583	.0545	.0982	.1853	.5347	.5278

#1	18410.	500.4	18970.	505.0	508.0	478.3
#2	18510.	500.9	18980.	504.9	511.6	474.4
#3	18530.	500.3	18950.	503.4	506.2	473.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-118007/2-a Acquired: 6/29/2012 14:51:05 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1865.	2118.	476.5	490.3	499.5	494.4
Stddev	4.	5.	.9	.5	.9	.7
%RSD	.2147	.2283	.1904	.1061	.1793	.1412
#1	1862.	2118.	475.9	490.4	498.6	494.5
#2	1870.	2123.	477.6	490.7	500.4	495.0
#3	1863.	2113.	476.2	489.7	499.7	493.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	499.6	469.0	493.7	F 48.09
Stddev	.3	.7	1.2	11.55
%RSD	.0640	.1407	.2382	24.02
#1	499.8	469.1	494.2	45.24
#2	499.2	468.2	494.6	60.79
#3	499.8	469.5	492.4	38.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				2000.
Range				-15.00%

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	2399.7	27005.	3831.7
Stddev	9.2	94.	30.3
%RSD	.38483	.34839	.79193
#1	2390.9	27068.	3796.7
#2	2398.9	26897.	3850.2
#3	2409.3	27050.	3848.2

Sample Name: 460-41357-a-7-k du Acquired: 6/29/2012 14:54:30 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	77.17	1.673	.5848	75.37	1.227	5115.
Stddev	9.39	1.710	.2492	.30	.168	20.
%RSD	12.17	102.2	42.61	.4006	13.71	.3988

#1	79.15	.7281	.3660	75.72	1.033	5122.
#2	66.95	.6449	.5324	75.19	1.331	5131.
#3	85.42	3.647	.8560	75.20	1.317	5092.

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	.3693	39.80	.3459	-1.372	824.8	4048.
Stddev	.1650	.31	.3739	5.162	6.8	44.
%RSD	44.68	.7891	108.1	376.3	.8197	1.096

#1	.2561	39.88	.7727	3.262	831.7	4036.
#2	.5586	40.07	.0756	-6.935	818.2	4010.
#3	.2931	39.46	.1895	-.4419	824.6	4096.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3747.	195.4	3979.	75.48	.5743	2.710
Stddev	13.	.8	12.	.06	.7911	1.570
%RSD	.3602	.3875	.2989	.0859	137.8	57.96

#1	3756.	195.8	3992.	75.55	.6634	4.191
#2	3753.	195.8	3975.	75.42	-.2576	2.875
#3	3731.	194.5	3970.	75.46	1.317	1.063

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41357-a-7-k du Acquired: 6/29/2012 14:54:30 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.402	.6557	.5115	84.02	67.51	-.9704
Stddev	1.092	1.529	.1047	.09	1.61	.1657
%RSD	32.08	233.1	20.47	.1071	2.384	17.07
#1	3.530	1.790	.4025	84.10	66.57	-1.157
#2	2.252	-1.083	.6113	84.04	66.59	-.8418
#3	4.424	1.260	.5208	83.92	69.37	-.9121

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4025	44.32	7.773	1811.
Stddev	.7979	.25	1.392	8.
%RSD	198.2	.5533	17.90	.4211
#1	-.7375	44.14	6.934	1818.
#2	-.9782	44.21	7.007	1812.
#3	.5083	44.60	9.379	1803.

Check ? Chk Pass 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	2456.0	27753.	3878.7
Stddev	8.6	116.	17.4
%RSD	.34849	.41898	.44782
#1	2446.2	27619.	3859.9
#2	2461.9	27824.	3894.2
#3	2459.9	27817.	3882.1

Sample Name: 460-41357-a-7-j Acquired: 6/29/2012 14:58:10 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	73.93	.7532	.0078	75.58	1.318	5168.
Stddev	1.57	.8978	.6218	.24	.087	11.
%RSD	2.120	119.2	7994.	.3213	6.599	.2040
#1	73.54	1.039	-.2350	75.69	1.346	5164.
#2	72.59	-.2526	-.4560	75.74	1.388	5179.
#3	75.65	1.473	.7143	75.30	1.221	5159.

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	.3228	40.08	.5781	-1.120	823.6	4077.
Stddev	.1126	.41	.3625	3.403	13.4	17.
%RSD	34.88	1.034	62.72	303.7	1.627	.4111
#1	.2493	40.44	.6578	-3.908	819.5	4067.
#2	.4524	40.17	.8941	2.672	812.8	4096.
#3	.2667	39.63	.1823	-2.125	838.6	4067.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3753.	195.8	3950.	75.10	.6131	2.850
Stddev	3.	.4	14.	.26	1.669	1.234
%RSD	.0776	.2188	.3590	.3464	272.1	43.30
#1	3752.	196.0	3934.	75.02	-.8551	2.824
#2	3752.	196.2	3959.	74.90	.2669	1.629
#3	3757.	195.4	3958.	75.40	2.428	4.096

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-41357-a-7-j Acquired: 6/29/2012 14:58:10 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.961	-7.928	.1487	83.73	67.54	-1.214
Stddev	1.428	.5635	.3005	.16	.98	.315
%RSD	36.06	71.08	202.0	.1948	1.445	25.95
#1	5.285	-1.087	-.1513	83.91	66.87	-1.362
#2	2.448	-1.149	.1477	83.69	68.66	-.8525
#3	4.150	-.1431	.4497	83.59	67.08	-1.428

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8670	44.38	7.616	1827.
Stddev	1.033	.09	.608	7.
%RSD	119.1	.1989	7.983	.3646
#1	-.1751	44.28	7.147	1831.
#2	.8854	44.40	8.302	1830.
#3	1.891	44.46	7.398	1819.

Check ? Chk Pass 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	2441.1	27713.	3872.1
Stddev	4.3	41.	15.3
%RSD	.17796	.14675	.39533
#1	2440.8	27673.	3860.2
#2	2445.6	27754.	3889.4
#3	2436.9	27712.	3866.8

Sample Name: sd 460-41357-a-7-j@5 Acquired: 6/29/2012 15:01:50 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.30	.1368	-.3685	15.02	.0192	1040.
Stddev	8.04	.7490	.5031	.16	.0376	13.
%RSD	49.36	547.7	136.5	1.095	195.5	1.257
#1	11.43	.5079	-.9348	15.14	-.0125	1053.
#2	25.58	.6278	-.1972	14.83	.0095	1027.
#3	11.87	-.7254	.0266	15.10	.0608	1039.

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	.0790	8.007	.4054	-2.953	170.7	910.2
Stddev	.0660	.166	.0668	3.359	14.0	72.8
%RSD	83.50	2.067	16.47	113.7	8.184	7.994
#1	.0205	8.026	.4808	-6.770	184.6	994.0
#2	.1505	8.163	.3818	-1.636	156.6	873.4
#3	.0660	7.833	.3537	-.4520	170.8	863.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	750.6	39.20	842.2	15.97	.3406	1.121
Stddev	3.6	.15	12.8	.32	.2127	1.663
%RSD	.4741	.3774	1.515	1.985	62.45	148.3
#1	753.2	39.30	827.6	15.97	.1575	.7768
#2	746.5	39.26	847.6	16.29	.2904	-.3426
#3	752.1	39.03	851.3	15.65	.5740	2.930

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-41357-a-7-j@5 Acquired: 6/29/2012 15:01:50 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.7563	-2.339	.3373	17.39	13.75	-1.241
Stddev	1.944	1.831	.5494	.07	.95	.234
%RSD	257.1	78.29	162.9	.4049	6.939	18.87
#1	-0.3566	-2.741	.4989	17.36	14.85	-1.397
#2	-2.869	-3.405	.7879	17.47	13.23	-0.9720
#3	.9569	-3.937	-0.2747	17.34	13.17	-1.355

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-0.0429	8.904	1.255	353.6
Stddev	.0857	.016	1.321	10.5
%RSD	199.6	.1780	105.2	2.960
#1	-0.0577	8.915	.3625	343.0
#2	-0.1203	8.911	.6314	363.9
#3	.0492	8.886	2.772	354.0

Check ? **Chk Pass** **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	2444.1	27787.	3847.2
Stddev	7.4	87.	3.3
%RSD	.30188	.31391	.08480
#1	2439.7	27838.	3843.4
#2	2452.6	27687.	3848.8
#3	2440.0	27837.	3849.3

Sample Name: 460-41357-a-7-l ms Acquired: 6/29/2012 15:05:32 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2005.	1962.	48.74	2127.	49.76	24800.
Stddev	16.	4.	.41	4.	.23	87.
%RSD	.7730	.2269	.8490	.1681	.4570	.3515

#1	2022.	1958.	48.79	2126.	49.51	24710.
#2	2001.	1962.	48.31	2131.	49.84	24880.
#3	1992.	1967.	49.13	2124.	49.94	24810.

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	51.57	550.0	199.6	246.3	1809.	22690.
Stddev	.02	.8	.7	1.6	18.	96.
%RSD	.0425	.1403	.3711	.6364	1.007	.4250

#1	51.58	549.3	199.4	245.1	1816.	22580.
#2	51.54	550.8	198.9	245.8	1822.	22770.
#3	51.59	549.8	200.4	248.1	1788.	22710.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22560.	703.7	23120.	587.3	520.7	491.4
Stddev	47.	1.6	35.	1.6	1.3	4.8
%RSD	.2104	.2255	.1494	.2674	.2468	.9719

#1	22610.	704.9	23090.	585.9	520.4	486.3
#2	22530.	704.3	23120.	589.0	522.1	495.8
#3	22530.	701.9	23160.	587.1	519.5	492.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41357-a-7-l ms Acquired: 6/29/2012 15:05:32 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1922.	2163.	489.5	584.0	579.0	507.4
Stddev	4.	7.	2.0	.5	1.2	1.7
%RSD	.2022	.3435	.3995	.0930	.1985	.3429

#1	1926.	2160.	491.7	584.2	580.0	507.9
#2	1922.	2172.	487.8	584.4	579.2	508.9
#3	1919.	2158.	489.0	583.4	577.8	505.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	516.8	524.1	509.1	1874.
Stddev	1.9	.5	2.6	7.
%RSD	.3647	.1027	.5140	.3626

#1	515.8	523.5	511.8	1876.
#2	519.0	524.3	509.0	1879.
#3	515.6	524.4	506.6	1866.

Check ?	Chk Pass	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	2389.6	26900.	3840.9
Stddev	8.6	99.	19.8
%RSD	.35896	.36649	.51519

#1	2381.6	26804.	3819.0
#2	2388.6	26895.	3857.5
#3	2398.7	27001.	3846.3

Sample Name: pds 460-41357-a-7-j Acquired: 6/29/2012 15:08:57 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1979.	1933.	47.90	2093.	48.74	24580.
Stddev	10.	4.	.28	5.	.13	137.
%RSD	.5157	.2214	.5810	.2171	.2585	.5585

#1	1968.	1928.	47.83	2095.	48.59	24430.
#2	1982.	1937.	47.65	2097.	48.78	24700.
#3	1988.	1934.	48.20	2088.	48.83	24620.

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	50.66	540.6	196.8	242.3	1804.	22480.
Stddev	.26	1.6	.6	1.6	10.	111.
%RSD	.5164	.2915	.2908	.6707	.5551	.4932

#1	50.79	541.7	196.2	240.5	1795.	22350.
#2	50.83	541.3	197.4	243.6	1801.	22550.
#3	50.36	538.8	196.7	242.9	1815.	22540.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22220.	696.1	22910.	577.7	512.0	486.2
Stddev	31.	1.1	127.	2.7	1.3	1.7
%RSD	.1404	.1565	.5550	.4708	.2571	.3546

#1	22260.	696.8	22760.	579.0	510.6	484.3
#2	22210.	694.8	22990.	579.5	513.2	487.6
#3	22200.	696.6	22960.	574.6	512.2	486.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-41357-a-7-j Acquired: 6/29/2012 15:08:57 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1889.	2120.	480.3	576.1	573.6	498.3
Stddev	7.	10.	.9	1.0	1.4	1.3
%RSD	.3543	.4491	.1971	.1726	.2438	.2685

#1	1888.	2118.	479.3	575.7	573.5	499.3
#2	1896.	2130.	480.4	577.2	575.0	498.8
#3	1883.	2111.	481.1	575.3	572.2	496.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	505.3	516.2	503.8	1930.
Stddev	1.3	2.0	3.4	37.
%RSD	.2483	.3915	.6763	1.930

#1	504.7	514.3	500.5	1887.
#2	506.7	518.3	507.3	1952.
#3	504.4	516.0	503.5	1950.

Check ?	Chk Pass	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	2379.4	26836.	3824.7
Stddev	2.5	27.	16.2
%RSD	.10377	.10004	.42371

#1	2382.0	26867.	3833.4
#2	2377.1	26820.	3834.7
#3	2379.1	26821.	3806.0

Sample Name: 460-41383-a-1-o Acquired: 6/29/2012 15:12:24 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.45	1.215	.3047	2.208	-.1427	619.3
Stddev	6.24	1.112	.5328	.123	.0747	9.4
%RSD	46.38	91.49	174.8	5.584	52.31	1.512
#1	12.55	2.359	.3259	2.236	-.0867	629.4
#2	7.710	.1389	-.2383	2.073	-.2275	610.9
#3	20.09	1.147	.8266	2.314	-.1141	617.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0784	-.0044	.2927	-.2246	9.262	183.9
Stddev	.0569	.2910	.1018	3.625	7.183	40.2
%RSD	72.50	6686.	34.78	1614.	77.56	21.87
#1	.0722	.2997	.4001	1.653	6.117	229.6
#2	.1382	-.2803	.2801	-4.403	17.48	168.4
#3	.0250	-.0325	.1977	2.076	4.186	153.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	153.0	8.369	3677.	5.675	.4680	3.711
Stddev	5.7	.169	13.	.282	1.110	2.831
%RSD	3.717	2.014	.3570	4.974	237.1	76.29
#1	159.6	8.542	3680.	5.396	-.8132	.4452
#2	149.6	8.206	3688.	5.960	1.100	5.472
#3	149.8	8.358	3663.	5.668	1.117	5.216

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-41383-a-1-o Acquired: 6/29/2012 15:12:24 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.9970	-1.348	-0.0579	.3591	23.57	-.6219
Stddev	4.265	2.959	.3483	.1984	.67	.1093
%RSD	427.8	219.4	601.6	55.24	2.824	17.57

#1	-5.808	.4798	-.0526	.1862	23.51	-.5267
#2	2.321	-4.762	.2877	.3154	24.27	-.7412
#3	.4955	.2373	-.4088	.5756	22.94	-.5977

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.736	3.867	.5551	800.2
Stddev	.662	.162	.1041	16.6
%RSD	38.12	4.199	18.75	2.079

#1	-1.324	3.864	.4378	814.5
#2	-2.500	4.030	.6363	782.0
#3	-1.385	3.706	.5913	804.3

Check ?	Chk Pass	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	2421.2	27606.	3796.6
Stddev	7.8	51.	20.7
%RSD	.32274	.18561	.54569

#1	2412.2	27663.	3815.2
#2	2426.3	27564.	3774.3
#3	2425.1	27592.	3800.4

Sample Name: 460-41573-a-2-a Acquired: 6/29/2012 15:16:08 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.851	17.00	.1511	25.68	-.1655	36740.
Stddev	17.28	.45	.2074	.25	.0623	210.
%RSD	933.5	2.645	137.2	.9668	37.62	.5726

#1	20.77	17.46	.2134	25.65	-.2023	36730.
#2	-13.10	16.97	-.0803	25.44	-.2006	36960.
#3	-2.116	16.56	.3203	25.94	-.0936	36540.

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	.0034	-.1389	.0134	.9680	4.853	64460.
Stddev	.0980	.1581	.4617	3.883	2.379	360.
%RSD	2897.	113.8	3446.	401.2	49.02	.5580

#1	.1158	.0404	.5407	-1.768	7.491	64120.
#2	-.0419	-.2585	-.1822	-.7406	4.199	64840.
#3	-.0637	-.1987	-.3183	5.412	2.870	64440.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	209800.	34.16	F 353800.	2.274	-.1160	F 2427.
Stddev	433.	.34	1906.	.267	1.180	3.
%RSD	.2062	1.004	.5387	11.76	1017.	.1329

#1	210300.	34.50	354300.	2.239	.5011	2431.
#2	209600.	34.18	355300.	2.558	.6272	2425.
#3	209500.	33.81	351600.	2.027	-1.476	2425.

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			250000.			2000.
Low Limit			-5000.			-20.00

Sample Name: 460-41573-a-2-a Acquired: 6/29/2012 15:16:08 Type: Unk
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.647	-2.572	2.945	6.120	180.5	119.2
Stddev	3.523	1.792	.341	.143	.8	.8
%RSD	2139.	69.67	11.57	2.333	.4357	.6939
#1	-2.516	-3.513	2.829	5.973	181.4	119.4
#2	-1.863	-3.697	2.678	6.258	180.1	119.9
#3	3.885	-.5054	3.329	6.130	180.0	118.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6413	328.8	1.863	1879.
Stddev	1.154	1.5	1.324	20.
%RSD	180.0	.4548	71.06	1.081
#1	-1.390	328.9	.3500	1898.
#2	.6878	330.3	2.808	1881.
#3	-1.222	327.3	2.432	1858.

Check ? Chk Pass 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	2228.3	24997.	3767.6
Stddev	2.9	33.	17.3
%RSD	.12883	.13302	.45865
#1	2230.5	25029.	3773.1
#2	2229.2	24963.	3748.3
#3	2225.0	24998.	3781.5

Sample Name: CCV Acquired: 6/29/2012 15:19:52 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124400.	2501.	1237.	10130.	966.7	124800.
Stddev	484.	7.	4.	26.	3.0	547.
%RSD	.3892	.2991	.2873	.2568	.3117	.4382

#1	124800.	2499.	1236.	10120.	967.4	125100.
#2	124500.	2494.	1234.	10120.	969.3	125100.
#3	123800.	2509.	1241.	10160.	963.4	124200.

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	1265.	2490.	4928.	12380.	98980.	49500.
Stddev	3.	5.	7.	96.	77.	304.
%RSD	.2663	.1940	.1462	.7712	.0777	.6140

#1	1262.	2486.	4920.	12390.	98900.	49630.
#2	1263.	2488.	4933.	12470.	98970.	49710.
#3	1268.	2495.	4931.	12280.	99060.	49150.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121000.	5034.	124600.	2502.	7551.	1029.
Stddev	35.	2.	659.	6.	13.	4.
%RSD	.0291	.0443	.5291	.2429	.1685	.3867

#1	121000.	5035.	125200.	2497.	7543.	1025.
#2	121000.	5036.	124800.	2501.	7544.	1028.
#3	121100.	5031.	123900.	2509.	7566.	1033.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/29/2012 15:19:52 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2456.	2549.	2444.	2482.	1053.	2557.
Stddev	7.	7.	2.	4.	3.	5.
%RSD	.2969	.2863	.0965	.1625	.2677	.2041

#1	2454.	2542.	2443.	2479.	1053.	2555.
#2	2449.	2548.	2447.	2480.	1051.	2554.
#3	2464.	2557.	2443.	2486.	1056.	2563.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1005.	4992.	10130.	10310.
Stddev	1.	17.	51.	127.
%RSD	.0802	.3420	.5063	1.228

#1	1005.	5000.	10170.	10170.
#2	1004.	5004.	10130.	10410.
#3	1005.	4973.	10070.	10340.

Check ?	Chk Pass	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	2242.2	25240.	3700.7
Stddev	5.8	33.	23.4
%RSD	.25957	.13007	.63291

#1	2248.3	25226.	3673.8
#2	2241.6	25278.	3711.9
#3	2236.7	25217.	3716.4

Sample Name: CCB Acquired: 6/29/2012 15:23:11 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.20	.5213	.6334	.5069	-.0663	33.68
Stddev	30.60	.1310	.4096	.5185	.1599	12.28
%RSD	159.4	25.14	64.68	102.3	241.1	36.44

#1	50.96	.5788	.8398	1.105	.1181	36.66
#2	-10.08	.3713	.1616	.1834	-.1506	44.19
#3	16.70	.6136	.8987	.2324	-.1664	20.19

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	.1182	.0416	.4731	1.535	13.91	190.8
Stddev	.0594	.1793	.6971	2.461	6.96	37.6
%RSD	50.30	430.9	147.3	160.3	50.04	19.68

#1	.1437	.2370	1.266	3.879	21.02	233.8
#2	.1606	-.1153	-.0442	1.754	7.102	164.0
#3	.0502	.0031	.1978	-1.028	13.62	174.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.261	.3492	114.1	.3131	1.955	4.653
Stddev	8.387	.3666	32.2	.2218	1.541	.703
%RSD	159.4	105.0	28.25	70.83	78.84	15.11

#1	13.91	.7683	150.0	.3821	3.295	3.924
#2	4.700	.0879	87.79	.0650	2.298	5.328
#3	-2.831	.1914	104.4	.4921	.2708	4.708

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/29/2012 15:23:11 Type: QC
Method: SW84606112012(v17) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.117	.6853	.3480	.2201	2.543	2.265
Stddev	.810	1.025	.6280	.1467	.260	.275
%RSD	25.99	149.6	180.5	66.63	10.21	12.16
#1	-3.635	.5860	1.010	.0842	2.754	2.572
#2	-2.184	-.2865	-.2389	.3755	2.621	2.041
#3	-3.534	1.756	.2726	.2007	2.253	2.181

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3485	.7831	1.430	.7553
Stddev	.0636	.6466	1.570	4.161
%RSD	18.24	82.57	109.8	550.9
#1	-.3902	1.479	3.065	5.558
#2	-.2753	.6683	1.288	-1.782
#3	-.3799	.2016	-.0648	-1.510

Check ?	Chk Pass	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	2399.4	27416.	3771.2
Stddev	6.4	56.	5.0
%RSD	.26558	.20331	.13300
#1	2392.1	27354.	3774.1
#2	2402.9	27462.	3774.1
#3	2403.2	27433.	3765.4

Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Standard: 1 Rep: 1				Seq: 1		14:37:36	22 Jun 12	HG	
Hg	.000	ppb	3583						=
*** Standard: 2 Rep: 1				Seq: 2		14:39:26	22 Jun 12	HG	
Hg	.100	ppb	6038						=
*** Standard: 3 Rep: 1				Seq: 3		14:41:31	22 Jun 12	HG	
Hg	1.00	ppb	49711						=
*** Standard: 4 Rep: 1				Seq: 4		14:43:36	22 Jun 12	HG	
Hg	2.00	ppb	95647						=
*** Standard: 5 Rep: 1				Seq: 5		14:45:22	22 Jun 12	HG	
Hg	5.00	ppb	238075						=
*** Standard: 6 Rep: 1				Seq: 6		14:47:20	22 Jun 12	HG	
Hg	10.0	ppb	452763						=
*** Check Standard: 3 Ck3AICV				Seq: 7		14:49:06	22 Jun 12	HG	
Line Flag %Rcv. Found True Units SD/RSD									=
Hg		97.1	4.86	5.00	ppb	.000			
*** Check Standard: 1 Ck1ICB/CCB				Seq: 8		14:51:05	22 Jun 12	HG	
Line Flag Found Range(+/-) Units SD/RSD									=
Hg		-.063	.200		ppb	.000			
*** Sample ID:				Seq: 9		14:53:04	22 Jun 12	HG	
			MB 460-117140/1-A						=
Hg	-.065	ppb	.000	-.065					
=====									
*** Sample ID: LCSSRM 460				Seq: 10		14:55:03	22 Jun 12	HG	
			-117140/2-a@20						=
Hg	3.67	ppb	.000	3.67					
=====									
*** Sample ID:				Seq: 11		14:57:20	22 Jun 12	HG	
			460-41546-A-5-A						=
Hg	-.014	ppb	.000	-.014					

Protocol: SW846A

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Sample ID:				Seq: 12		14:59:04	22 Jun 12	HG	
				460-41546-A-5-B DU					
Hg	-.011	ppb	.000	-.011					=
*** Sample ID:				Seq: 13		15:01:02	22 Jun 12	HG	
				460-41546-A-5-C MS					
Hg	.978	ppb	.000	.978					=
*** Sample ID:				Seq: 14		15:02:49	22 Jun 12	HG	
				460-41447-A-1-P					
Hg	-.025	ppb	.000	-.025					=
*** Sample ID:				Seq: 15		15:04:37	22 Jun 12	HG	
				460-41567-C-4-B					
Hg	.168	ppb	.000	.168					=
*** Sample ID:				Seq: 16		15:06:23	22 Jun 12	HG	
				460-41577-A-3-B					
Hg	.173	ppb	.000	.173					=
*** Sample ID:				Seq: 17		15:08:28	22 Jun 12	HG	
				460-41552-F-1-A					
Hg	8.48	ppb	.000	8.48					=
*** Sample ID:				Seq: 18		15:10:33	22 Jun 12	HG	
				460-41482-G-1-A					
Hg	-.065	ppb	.000	-.065					=
*** Check Standard: 2 Ck2ACCV				Seq: 19		15:12:39	22 Jun 12	HG	
Line Flag %Rcv. Found True Units SD/RSD									
Hg		98.8	4.94	5.00	ppb	.000			=
*** Check Standard: 1 Ck1ICB/CCB				Seq: 20		15:14:24	22 Jun 12	HG	
Line Flag Found Range(+/-) Units SD/RSD									
Hg		-.099	.200		ppb	.000			=
*** Sample ID:				Seq: 21		15:16:39	22 Jun 12	HG	
				460-41492-D-22-D					
Hg	.139	ppb	.000	.139					=
*** Sample ID:				Seq: 22		15:18:27	22 Jun 12	HG	
				460-41492-D-23-D					
Hg	.044	ppb	.000	.044					=
*** Sample ID:				Seq: 23		15:20:21	22 Jun 12	HG	
				460-41546-A-1-A					
Hg	.041	ppb	.000	.041					=

Protocol: SW846A

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Sample ID:				Seq: 24		15:23:35	22 Jun 12	HG	
				460-41546-A-2-A					
Hg	15.5	ppb	.000	15.5					=
*** Sample ID:				Seq: 25		15:25:30	22 Jun 12	HG	
				460-41546-A-3-A					
Hg	1.02	ppb	.000	1.02					=
*** Sample ID:				Seq: 26		15:27:49	22 Jun 12	HG	
				460-41546-A-4-A					
Hg	-.086	ppb	.000	-.086					=
*** Sample ID:				Seq: 27		15:29:49	22 Jun 12	HG	
				460-41546-A-6-A					
Hg	.088	ppb	.000	.088					=
*** Sample ID:				Seq: 28		15:31:49	22 Jun 12	HG	
				460-41546-A-7-A					
Hg	.178	ppb	.000	.178					=
*** Sample ID:				Seq: 29		15:33:36	22 Jun 12	HG	
				460-41546-A-8-A					
Hg	.003	ppb	.000	.003					=
*** Sample ID:				Seq: 30		15:35:24	22 Jun 12	HG	
				sd 460-41546-A-5-A@5					
Hg	-.047	ppb	.000	-.047					=
*** Check Standard: 2	Ck2ACCV			Seq: 31		15:37:13	22 Jun 12	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		104.	5.18	5.00	ppb	.000			=
*** Check Standard: 1	Ck1ICB/CCB			Seq: 32		15:39:18	22 Jun 12	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		.008	.200	ppb	.000				=
*** Sample ID:				Seq: 33		15:42:41	22 Jun 12	HG	
				460-41546-A-2-A@3					
Hg	5.56	ppb	.000	5.56					=
*** Sample ID:				Seq: 34		15:44:26	22 Jun 12	HG	
				460-41546-A-3-A					
Hg	1.08	ppb	.000	1.08					=
*** Check Standard: 2	Ck2ACCV			Seq: 35		15:46:11	22 Jun 12	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		100.	5.02	5.00	ppb	.000			=

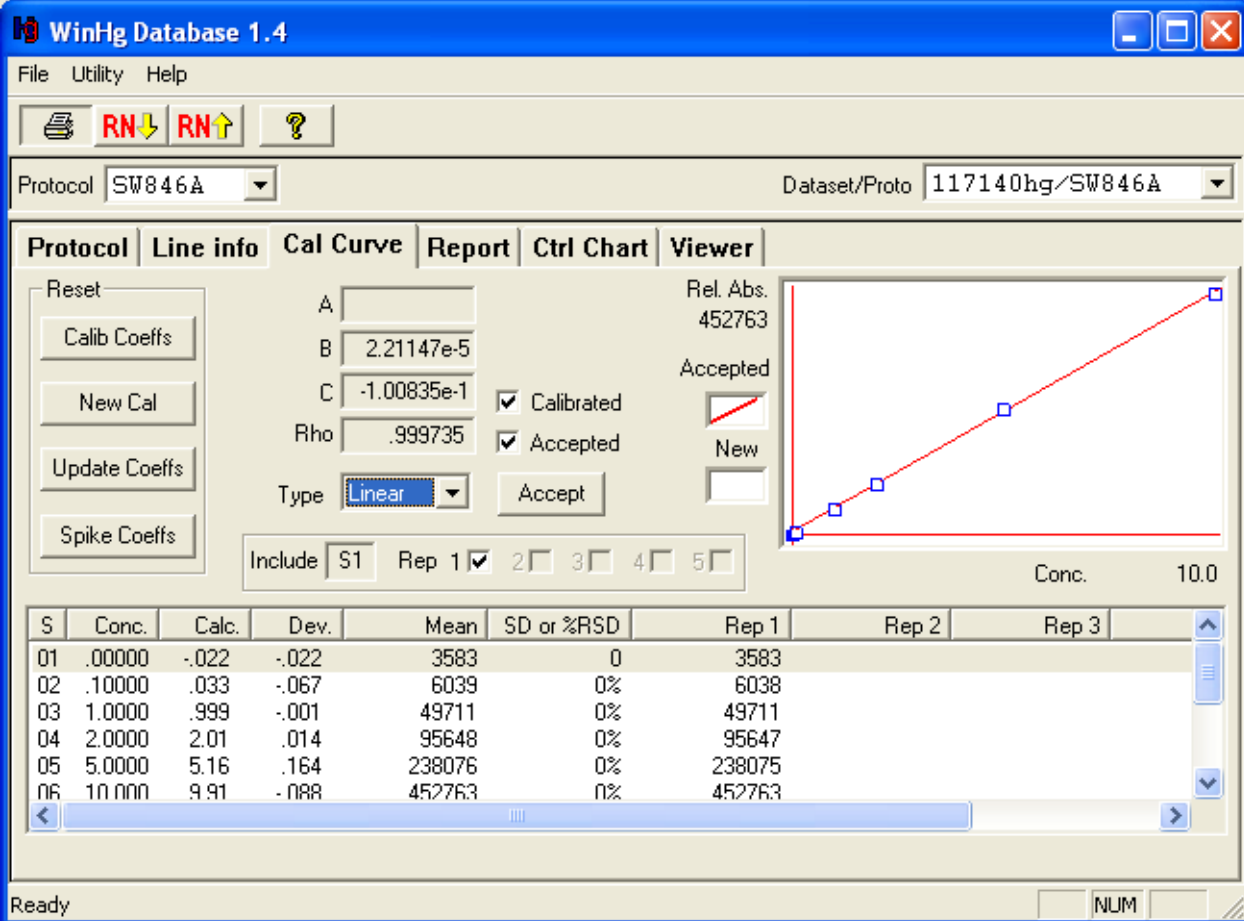
Protocol: SW846A

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1ICB/CCB Seq: 36 15:47:54 22 Jun 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.066	.200	ppb	.000			

=



Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Standard: 1 Rep: 1				Seq: 1		14:37:36	22 Jun 12	HG	
Hg	.000	ppb	3583						
		Bkgd 1	6263620						=
*** Standard: 2 Rep: 1				Seq: 2		14:39:26	22 Jun 12	HG	=
Hg	.100	ppb	6038						
		Bkgd 1	6258793						=
*** Standard: 3 Rep: 1				Seq: 3		14:41:31	22 Jun 12	HG	=
Hg	1.00	ppb	49711						
		Bkgd 1	6258858						=
*** Standard: 4 Rep: 1				Seq: 4		14:43:36	22 Jun 12	HG	=
Hg	2.00	ppb	95647						
		Bkgd 1	6257719						=
*** Standard: 5 Rep: 1				Seq: 5		14:45:22	22 Jun 12	HG	=
Hg	5.00	ppb	238075						
		Bkgd 1	6256766						=
*** Standard: 6 Rep: 1				Seq: 6		14:47:20	22 Jun 12	HG	=
Hg	10.0	ppb	452763						
		Bkgd 1	6255589						=
*** Check Standard: 3			Ck3AICV	Seq: 7		14:49:06	22 Jun 12	HG	
Line Flag			Intensities						
Hg			224158						
		Bkgd 1	6253425						=
*** Check Standard: 1			Ck1ICB/CCB	Seq: 8		14:51:05	22 Jun 12	HG	=
Line Flag			Intensities						
Hg			1714						
		Bkgd 1	6255197						=
*** Sample ID:				Seq: 9		14:53:04	22 Jun 12	HG	
			MB 460-117140/1-A						
Hg	-.065	ppb	1610						
		Bkgd 1	6253459						=
=====									

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: LCSSRM 460 Seq: 10 14:55:03 22 Jun 12 HG								
-117140/2-a@20								
Hg	3.67	ppb	170299					
		Bkgd 1	6251698					
=====								
*** Sample ID: Seq: 11 14:57:20 22 Jun 12 HG								
460-41546-A-5-A								
Hg	-.014	ppb	3937					
		Bkgd 1	6248751					
*** Sample ID: Seq: 12 14:59:04 22 Jun 12 HG								
460-41546-A-5-B DU								
Hg	-.011	ppb	4069					
		Bkgd 1	6246560					
*** Sample ID: Seq: 13 15:01:02 22 Jun 12 HG								
460-41546-A-5-C MS								
Hg	.978	ppb	48789					
		Bkgd 1	6245010					
*** Sample ID: Seq: 14 15:02:49 22 Jun 12 HG								
460-41447-A-1-P								
Hg	-.025	ppb	3451					
		Bkgd 1	6246472					
*** Sample ID: Seq: 15 15:04:37 22 Jun 12 HG								
460-41567-C-4-B								
Hg	.168	ppb	12175					
		Bkgd 1	6244253					
*** Sample ID: Seq: 16 15:06:23 22 Jun 12 HG								
460-41577-A-3-B								
Hg	.173	ppb	12377					
		Bkgd 1	6243873					
*** Sample ID: Seq: 17 15:08:28 22 Jun 12 HG								
460-41552-F-1-A								
Hg	8.48	ppb	388101					
		Bkgd 1	6245323					
*** Sample ID: Seq: 18 15:10:33 22 Jun 12 HG								
460-41482-G-1-A								
Hg	-.065	ppb	1621					
		Bkgd 1	6244603					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 2 Ck2ACCV Seq: 19 15:12:39 22 Jun 12 HG								
Line	Flag		Intensities					
Hg			227829					
		Bkgd 1	6246374					=
								=
*** Check Standard: 1 Ck1ICB/CCB Seq: 20 15:14:24 22 Jun 12 HG								
Line	Flag		Intensities					
Hg			76					
		Bkgd 1	6246480					=
								=
*** Sample ID: Seq: 21 15:16:39 22 Jun 12 HG								
			460-41492-D-22-D					
Hg	.139	ppb	10850					
		Bkgd 1	6250256					=
								=
*** Sample ID: Seq: 22 15:18:27 22 Jun 12 HG								
			460-41492-D-23-D					
Hg	.044	ppb	6567					
		Bkgd 1	6249210					=
								=
*** Sample ID: Seq: 23 15:20:21 22 Jun 12 HG								
			460-41546-A-1-A					
Hg	.041	ppb	6427					
		Bkgd 1	6250748					=
								=
*** Sample ID: Seq: 24 15:23:35 22 Jun 12 HG								
			460-41546-A-2-A					
Hg	15.5	ppb	707566					
		Bkgd 1	6250472					=
								=
*** Sample ID: Seq: 25 15:25:30 22 Jun 12 HG								
			460-41546-A-3-A					
Hg	1.02	ppb	50514					
		Bkgd 1	6247883					=
								=
*** Sample ID: Seq: 26 15:27:49 22 Jun 12 HG								
			460-41546-A-4-A					
Hg	-.086	ppb	674					
		Bkgd 1	6249392					=
								=
*** Sample ID: Seq: 27 15:29:49 22 Jun 12 HG								
			460-41546-A-6-A					
Hg	.088	ppb	8543					
		Bkgd 1	6251737					=
								=

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:				Seq: 28		15:31:49	22 Jun 12	HG
				460-41546-A-7-A				
Hg	.178	ppb	12609					
		Bkgd 1	6254724					=
								=
*** Sample ID:				Seq: 29		15:33:36	22 Jun 12	HG
				460-41546-A-8-A				
Hg	.003	ppb	4676					
		Bkgd 1	6253198					=
								=
*** Sample ID:				Seq: 30		15:35:24	22 Jun 12	HG
				sd 460-41546-A-5-A@5				
Hg	-.047	ppb	2443					
		Bkgd 1	6253561					=
								=
*** Check Standard: 2			Ck2ACCV	Seq: 31		15:37:13	22 Jun 12	HG
Line Flag			Intensities					
Hg			238991					
		Bkgd 1	6254625					=
								=
*** Check Standard: 1			Ck1ICB/CCB	Seq: 32		15:39:18	22 Jun 12	HG
Line Flag			Intensities					
Hg			4937					
		Bkgd 1	6253563					=
								=
*** Sample ID:				Seq: 33		15:42:41	22 Jun 12	HG
				460-41546-A-2-A@3				
Hg	5.56	ppb	256029					
		Bkgd 1	6254293					=
								=
*** Sample ID:				Seq: 34		15:44:26	22 Jun 12	HG
				460-41546-A-3-A				
Hg	1.08	ppb	53482					
		Bkgd 1	6252127					=
								=
*** Check Standard: 2			Ck2ACCV	Seq: 35		15:46:11	22 Jun 12	HG
Line Flag			Intensities					
Hg			231620					
		Bkgd 1	6250356					=
								=
*** Check Standard: 1			Ck1ICB/CCB	Seq: 36		15:47:54	22 Jun 12	HG
Line Flag			Intensities					
Hg			1597					
		Bkgd 1	6250448					=
								=

POST-RUN REPORT

6-22-2012

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 19:43:28 22 Jun 12 HG

Hg .000 ppb 91

*** Standard: 2 Rep: 1 Seq: 2 19:45:32 22 Jun 12 HG

Hg .100 ppb 524

*** Standard: 3 Rep: 1 Seq: 3 19:47:21 22 Jun 12 HG

Hg 1.00 ppb 3466

*** Standard: 4 Rep: 1 Seq: 4 19:49:14 22 Jun 12 HG

Hg 2.00 ppb 6814

*** Standard: 5 Rep: 1 Seq: 5 19:51:03 22 Jun 12 HG

Hg 5.00 ppb 16675

*** Standard: 6 Rep: 1 Seq: 6 19:53:18 22 Jun 12 HG

Hg 10.0 ppb 33838

*** Check Standard: 3 Ck3AICV Seq: 7 19:55:08 22 Jun 12 HG

Line Flag %Rcv. Found True Units SD/RSD

Hg 98.5 4.92 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 8 19:56:57 22 Jun 12 HG

Line Flag Found Range(+/-) Units SD/RSD

Hg -.034 .200 ppb .000

*** Sample ID: Seq: 9 20:00:25 22 Jun 12 HG

mb 460-117199/10-a

Hg .016 ppb .000 .016

*** Sample ID: lcssrm 460 Seq: 10 20:04:08 22 Jun 12 HG

-117199/11-a@10

Hg 6.99 ppb .000 6.99

=

*** Sample ID: Seq: 11 20:06:42 22 Jun 12 HG

460-41546-d-21-j

Hg .105 ppb .000 .105

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 12 20:08:56 22 Jun 12 HG

460-41546-d-21-k du

Hg .082 ppb .000 .082

=

*** Sample ID: Seq: 13 20:10:44 22 Jun 12 HG

460-41546-d-21-l ms

Hg 1.06 ppb .000 1.06

=

*** Sample ID: Seq: 14 20:12:38 22 Jun 12 HG

460-41546-a-9-a

Hg .071 ppb .000 .071

=

*** Sample ID: Seq: 15 20:15:37 22 Jun 12 HG

460-41546-a-10-a

Hg 3.79 ppb .000 3.79

=

*** Sample ID: Seq: 16 20:17:56 22 Jun 12 HG

460-41546-a-11-a

Hg .285 ppb .000 .285

=

*** Check Standard: 2 Ck2ACCV Seq: 17 20:19:54 22 Jun 12 HG

Line Flag %Rcv. Found True Units SD/RSD

Hg 101. 5.03 5.00 ppb .000

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 18 20:21:44 22 Jun 12 HG

Line Flag Found Range(+/-) Units SD/RSD

Hg -.009 .200 ppb .000

=

*** Sample ID: Seq: 19 20:24:24 22 Jun 12 HG

460-41546-a-12-a

Hg .014 ppb .000 .014

=

*** Sample ID: Seq: 20 20:26:27 22 Jun 12 HG

460-41546-a-13-a

Hg .058 ppb .000 .058

=

*** Sample ID: Seq: 21 20:28:21 22 Jun 12 HG

460-41546-a-14-a

Hg 8.17 ppb .000 8.17

=

*** Sample ID: Seq: 22 20:30:10 22 Jun 12 HG

460-41546-a-15-a

Hg 14.3 ppb .000 14.3

=

*** Sample ID: Seq: 23 20:32:11 22 Jun 12 HG

460-41546-a-16-a

Hg 19.2 ppb .000 19.2

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 24 20:35:12 22 Jun 12 HG
460-41546-d-17-d

Hg 2.59 ppb .000 2.59

=

*** Sample ID: Seq: 25 20:37:06 22 Jun 12 HG
460-41546-d-18-d

Hg .019 ppb .000 .019

=

*** Check Standard: 2 Ck2ACCV Seq: 26 20:39:34 22 Jun 12 HG

Line Flag %Rcv. Found True Units SD/RSD

Hg 101. 5.03 5.00 ppb .000

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 27 20:41:28 22 Jun 12 HG

Line Flag Found Range(+/-) Units SD/RSD

Hg -.013 .200 ppb .000

=

*** Sample ID: Seq: 28 20:43:28 22 Jun 12 HG

460-41546-d-19-d

Hg .076 ppb .000 .076

=

*** Sample ID: Seq: 29 20:45:20 22 Jun 12 HG

460-41546-d-20-d

Hg 4.09 ppb .000 4.09

=

*** Sample ID: Seq: 30 20:47:22 22 Jun 12 HG

460-41546-d-22-d

Hg 3.89 ppb .000 3.89

=

*** Sample ID: Seq: 31 20:49:16 22 Jun 12 HG

460-41546-d-23-d

Hg .062 ppb .000 .062

=

*** Sample ID: Seq: 32 20:51:27 22 Jun 12 HG

460-41618-a-5-a

Hg .019 ppb .000 .019

=

*** Sample ID: Seq: 33 20:53:18 22 Jun 12 HG

460-41618-a-6-a

Hg .039 ppb .000 .039

=

*** Sample ID: Seq: 34 20:55:08 22 Jun 12 HG

SD 460-41546-d-21-j@

Hg .017 ppb .000 .017

=

*** Check Standard: 2 Ck2ACCV Seq: 35 20:57:22 22 Jun 12 HG

Line Flag %Rcv. Found True Units SD/RSD

Hg 101. 5.05 5.00 ppb .000

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1ICB/CCB Seq: 36 20:59:36 22 Jun 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg		.005	.200	ppb	.000

=

*** Sample ID: Seq: 37 21:12:44 22 Jun 12 HG

460-41546-a-15-a@2

Hg	7.05	ppb	.000	7.05

=

*** Sample ID: Seq: 38 21:15:29 22 Jun 12 HG

460-41546-a-16-a@3

Hg	6.47	ppb	.000	6.47

=

*** Sample ID: Seq: 39 21:17:23 22 Jun 12 HG

460-41546-d-17-d

Hg	2.51	ppb	.000	2.51

=

*** Check Standard: 2 Ck2ACCV Seq: 40 21:19:11 22 Jun 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg		100.	5.02	5.00	ppb	.000

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 41 21:21:01 22 Jun 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg		-.026	.200	ppb	.000

=

WinHg Database 1.7

File Utility Help

RN

RN

?

Protocol

SW846A

Dataset/Proto

117199HG/SW846A

Protocol

Line info

Cal Curve

Report

Ctrl Chart

Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B

C

Rho

Type

Linear

2.97262e-4

-2.57067e-2

.999955

Print Cal

Calibrated

Accepted

Accept

μ Abs.

33838

Accepted

New

22-Jun-12 19:53

Conc.

10.0

S	Conc.	Calc.	Dev.	Mean	SD or %R...	Rep 1	Rep 2	Rep 3	Rep 4	F
01	.00000	.001	.001	92	0	91				
02	.10000	.130	.030	525	0%	524				
03	1.0000	1.00	.005	3467	0%	3466				
04	2.0000	2.00	-.000	6815	0%	6814				
05	5.0000	4.93	-.069	16676	0%	16675				
06	10.0000	10.0	.033	33838	0%	33838				

Ready

Thomas Staib
Leeman 5
Method 7471
6-22-2012

(INTENSITIES)

Folder: 117199HG

Page 9409

Protocol: SW846A

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 19:43:28 22 Jun 12 HG

Hg .000 ppb 91

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*** Standard: 2 Rep: 1 Seq: 2 19:45:32 22 Jun 12 HG

Hg .100 ppb 524

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*** Standard: 3 Rep: 1 Seq: 3 19:47:21 22 Jun 12 HG

Hg 1.00 ppb 3466

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*** Standard: 4 Rep: 1 Seq: 4 19:49:14 22 Jun 12 HG

Hg 2.00 ppb 6814

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*** Standard: 5 Rep: 1 Seq: 5 19:51:03 22 Jun 12 HG

Hg 5.00 ppb 16675

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*** Standard: 6 Rep: 1 Seq: 6 19:53:18 22 Jun 12 HG

Hg 10.0 ppb 33838

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*** Check Standard: 3 Ck3AICV Seq: 7 19:55:08 22 Jun 12 HG

Line Flag Intensities

Hg 16649

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*** Check Standard: 1 Ck1ICB/CCB Seq: 8 19:56:57 22 Jun 12 HG

Line Flag Intensities

Hg -28

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*** Sample ID: Seq: 9 20:00:25 22 Jun 12 HG

mb 460-117199/10-a

Hg .016 ppb 139

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*** Sample ID: lcssrm 460 Seq: 10 20:04:08 22 Jun 12 HG

-117199/11-a@10

Hg 6.99 ppb 23599

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*** Sample ID: Seq: 11 20:06:42 22 Jun 12 HG

460-41546-d-21-j

Hg .105 ppb 439

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POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 12 20:08:56 22 Jun 12 HG
460-41546-d-21-k du

Hg .082 ppb 363

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*** Sample ID: Seq: 13 20:10:44 22 Jun 12 HG

Hg 1.06 ppb 3643

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*** Sample ID: Seq: 14 20:12:38 22 Jun 12 HG

Hg .071 ppb 324

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*** Sample ID: Seq: 15 20:15:37 22 Jun 12 HG

Hg 3.79 ppb 12852

III

*** Sample ID: Seq: 16 20:17:56 22 Jun 12 HG

Hg .285 ppb 1044

11

*** Check Standard: 2 Ck2ACCV Seq: 17 20:19:54 22 Jun 12 HG

Line	Flag	Intensities
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Hg 17009

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*** Check Standard: 1 Ck1ICB/CCB Seq: 18 20:21:44 22 Jun 12 HG

Line	Flag	Intensities
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Hg 56

11

*** Sample ID: Seq: 19 20:24:24 22 Jun 12 HG

Hg .014 ppb 133

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*** Sample ID: Seq: 20 20:26:27 22 Jun 12 HG

Hg .058 ppb 282

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*** Sample ID: Seq: 21 20:28:21 22 Jun 12 HG

460-41546-a-14-a
Hg 8.17 ppb 27572

21

*** Sample ID: Seq: 22 20:30:10 22 Jun 12 HG

460-41546-a-15-a
Hg 14.3 ppb 48201

11

*** Sample ID: Seq: 23 20:32:11 22 Jun 12 HG

Hg 19.2 ppb 64785

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POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 24 20:35:12 22 Jun 12 HG								
460-41546-d-17-d								
Hg	2.59	ppb	8798					
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*** Sample ID: Seq: 25 20:37:06 22 Jun 12 HG								
460-41546-d-18-d								
Hg	.019	ppb	149					
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*** Check Standard: 2 Ck2ACCV Seq: 26 20:39:34 22 Jun 12 HG								
Line	Flag	Intensities						
Hg		17017						
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*** Check Standard: 1 Ck1ICB/CCB Seq: 27 20:41:28 22 Jun 12 HG								
Line	Flag	Intensities						
Hg		43						
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*** Sample ID: Seq: 28 20:43:28 22 Jun 12 HG								
460-41546-d-19-d								
Hg	.076	ppb	341					
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*** Sample ID: Seq: 29 20:45:20 22 Jun 12 HG								
460-41546-d-20-d								
Hg	4.09	ppb	13860					
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*** Sample ID: Seq: 30 20:47:22 22 Jun 12 HG								
460-41546-d-22-d								
Hg	3.89	ppb	13166					
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*** Sample ID: Seq: 31 20:49:16 22 Jun 12 HG								
460-41546-d-23-d								
Hg	.062	ppb	296					
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*** Sample ID: Seq: 32 20:51:27 22 Jun 12 HG								
460-41618-a-5-a								
Hg	.019	ppb	151					
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*** Sample ID: Seq: 33 20:53:18 22 Jun 12 HG								
460-41618-a-6-a								
Hg	.039	ppb	218					
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*** Sample ID: Seq: 34 20:55:08 22 Jun 12 HG								
SD 460-41546-d-21-j@								
Hg	.017	ppb	145					
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*** Check Standard: 2 Ck2ACCV Seq: 35 20:57:22 22 Jun 12 HG								
Line	Flag	Intensities						
Hg		17090						
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POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1ICB/CCB Seq: 36 20:59:36 22 Jun 12 HG

Line Flag Intensities

Hg 102

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*** Sample ID: Seq: 37 21:12:44 22 Jun 12 HG

460-41546-a-15-a@2

Hg 7.05 ppb 23789

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*** Sample ID: Seq: 38 21:15:29 22 Jun 12 HG

460-41546-a-16-a@3

Hg 6.47 ppb 21851

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*** Sample ID: Seq: 39 21:17:23 22 Jun 12 HG

460-41546-d-17-d

Hg 2.51 ppb 8537

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*** Check Standard: 2 Ck2ACCV Seq: 40 21:19:11 22 Jun 12 HG

Line Flag Intensities

Hg 16988

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*** Check Standard: 1 Ck1ICB/CCB Seq: 41 21:21:01 22 Jun 12 HG

Line Flag Intensities

Hg -1

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METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117772 Batch Start Date: 06/28/12 07:17 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 06/28/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00031	ME_LCSS_75 00003	
MB 460-117772/1		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-117772/2		3050B, 6010B		CALC NOT SET TO RUN	1.01 g	50 mL		1 g	
460-41778-B-1 DU		3050B, 6010B	T	CALC NOT SET TO RUN	1.08 g	50 mL			
460-41778-B-1 MS		3050B, 6010B	T	CALC NOT SET TO RUN	1.10 g	50 mL	2 mL		
460-41546-A-1	PH-1	3050B, 6010B	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-41546-A-2	PH-2	3050B, 6010B	T	CALC NOT SET TO RUN	1.06 g	50 mL			
460-41546-A-3	PH-3	3050B, 6010B	T	CALC NOT SET TO RUN	1.11 g	50 mL			

Batch Notes	
Balance ID	35
Hydrogen peroxide lot number	K45J00
Lot # of hydrochloric acid	L02A02
Logbook ID for diluted Nitric	MPR197
Lot # of Nitric Acid	L03021
Hood ID or number	8
Hot Block ID number	1
Pipette ID	25
Temperature	95 Degrees C
ID number of the thermometer	ICP-2
Digestion Tube/Cup Lot #	138085263

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117773 Batch Start Date: 06/28/12 07:32 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 06/28/12 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00031	ME_LCSS_75 00003	
MB 460-117773/1		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-117773/2		3050B, 6010B		CALC NOT SET TO RUN	1.02 g	50 mL		1 g	
460-41546-D-21	F-12	3050B, 6010B	T	CALC NOT SET TO RUN	1.07 g	50 mL			
460-41546-D-21 DU	F-12	3050B, 6010B	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-41546-D-21 MS	F-12	3050B, 6010B	T	CALC NOT SET TO RUN	1.03 g	50 mL	2 mL		
460-41546-A-4	PH-4	3050B, 6010B	T	CALC NOT SET TO RUN	1.10 g	50 mL			
460-41546-A-5	PH-5	3050B, 6010B	T	CALC NOT SET TO RUN	1.10 g	50 mL			
460-41546-A-6	PH-6	3050B, 6010B	T	CALC NOT SET TO RUN	1.11 g	50 mL			
460-41546-A-7	PH-7	3050B, 6010B	T	CALC NOT SET TO RUN	1.05 g	50 mL			
460-41546-A-8	PH-8	3050B, 6010B	T	CALC NOT SET TO RUN	1.13 g	50 mL			
460-41546-A-9	PH-9	3050B, 6010B	T	CALC NOT SET TO RUN	1.07 g	50 mL			
460-41546-A-10	PH-10	3050B, 6010B	T	CALC NOT SET TO RUN	1.07 g	50 mL			
460-41546-A-11	PH-11	3050B, 6010B	T	CALC NOT SET TO RUN	1.10 g	50 mL			
460-41546-A-12	PH-12	3050B, 6010B	T	CALC NOT SET TO RUN	1.05 g	50 mL			
460-41546-A-13	PH-13	3050B, 6010B	T	CALC NOT SET TO RUN	1.09 g	50 mL			
460-41546-A-14	PH-14	3050B, 6010B	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-41546-A-15	PH-15	3050B, 6010B	T	CALC NOT SET TO RUN	1.15 g	50 mL			
460-41546-A-16	PH-16	3050B, 6010B	T	CALC NOT SET TO RUN	1.08 g	50 mL			
460-41546-D-17	F-8	3050B, 6010B	T	CALC NOT SET TO RUN	1.06 g	50 mL			
460-41546-D-18	F-9	3050B, 6010B	T	CALC NOT SET TO RUN	1.12 g	50 mL			
460-41546-D-19	F-10	3050B, 6010B	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-41546-D-20	F-11	3050B, 6010B	T	CALC NOT SET TO RUN	1.06 g	50 mL			

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117773 Batch Start Date: 06/28/12 07:32 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 06/28/12 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00031	ME_LCSS_75 00003	
460-41546-D-22	F-13	3050B, 6010B	T	CALC NOT SET TO RUN	1.04 g	50 mL			
460-41546-D-23	FB-E	3050B, 6010B	T	CALC NOT SET TO RUN	1.08 g	50 mL			

Batch Notes	
Balance ID	35
Hydrogen peroxide lot number	K45J00
Lot # of hydrochloric acid	L02A02
Logbook ID for diluted Nitric	MPR197
Lot # of Nitric Acid	L03021
Hood ID or number	8
Hot Block ID number	1
Pipette ID	25
Temperature	95 Degrees C
ID number of the thermometer	ICP-2
Digestion Tube/Cup Lot #	138085263

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117140 Batch Start Date: 06/22/12 10:41 Batch Analyst: Sheikh, Razia BBatch Method: 7471A Batch End Date: 06/22/12 11:56

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00830	ME_DQCS-INT 00546	ME_LCSS_75 00003	
MB 460-117140/1		7471A, 7471A		0.60 g	100 mL				
LCSSRM 460-117140/2		7471A, 7471A		0.60 g	100 mL			0.6 g	
460-41546-A-5	PH-5	7471A, 7471A	T	0.60 g	100 mL				
460-41546-A-5 DU	PH-5	7471A, 7471A	T	0.60 g	100 mL				
460-41546-A-5 MS	PH-5	7471A, 7471A	T	0.60 g	100 mL	1 mL			
460-41546-A-1	PH-1	7471A, 7471A	T	0.67 g	100 mL				
460-41546-A-2	PH-2	7471A, 7471A	T	0.67 g	100 mL				
460-41546-A-3	PH-3	7471A, 7471A	T	0.60 g	100 mL				
460-41546-A-4	PH-4	7471A, 7471A	T	0.66 g	100 mL				
460-41546-A-6	PH-6	7471A, 7471A	T	0.66 g	100 mL				
460-41546-A-7	PH-7	7471A, 7471A	T	0.64 g	100 mL				
460-41546-A-8	PH-8	7471A, 7471A	T	0.71 g	100 mL				
ICV 460-117140/26		7471A, 7471A		0.60 g	100 mL		5 mL		
CCV 460-117140/27		7471A, 7471A		0.60 g	100 mL		5 mL		

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr01463
Balance ID	33
Sulfuric Acid Lot Number	k20042
Lot # of hydrochloric acid	hgr01465
Lot # of Nitric Acid	k44022
Hood ID or number	1
Potassium Permanganate Lot Number	hgr01462
NaCL Lot #	hgr01463
Oven, Bath or Block Temperature 1	121c
Pipette ID	3
Stannous Chloride Lot Number	hgr01464

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117140 Batch Start Date: 06/22/12 10:41 Batch Analyst: Sheikh, Razia B

Batch Method: 7471A Batch End Date: 06/22/12 11:56

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117199 Batch Start Date: 06/22/12 16:00 Batch Analyst: Staib, ThomasBatch Method: 7471A Batch End Date: 06/22/12 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00830	ME_DQCS-INT 00546	ME_ICSS_75 00003	
ICV 460-117199/7		7471A, 7471A		0.60 g	100 mL		5 mL		
CCV 460-117199/8		7471A, 7471A		0.60 g	100 mL		5 mL		
MB 460-117199/10		7471A, 7471A		0.60 g	100 mL				
LCSSRM 460-117199/11		7471A, 7471A		0.60 g	100 mL			0.6 g	
460-41546-D-21	F-12	7471A, 7471A	T	0.60 g	100 mL				
460-41546-D-21 DU	F-12	7471A, 7471A	T	0.60 g	100 mL				
460-41546-D-21 MS	F-12	7471A, 7471A	T	0.60 g	100 mL	1 mL			
460-41546-A-9	PH-9	7471A, 7471A	T	0.64 g	100 mL				
460-41546-A-10	PH-10	7471A, 7471A	T	0.66 g	100 mL				
460-41546-A-11	PH-11	7471A, 7471A	T	0.65 g	100 mL				
460-41546-A-12	PH-12	7471A, 7471A	T	0.65 g	100 mL				
460-41546-A-13	PH-13	7471A, 7471A	T	0.63 g	100 mL				
460-41546-A-14	PH-14	7471A, 7471A	T	0.60 g	100 mL				
460-41546-A-15	PH-15	7471A, 7471A	T	0.64 g	100 mL				
460-41546-A-16	PH-16	7471A, 7471A	T	0.62 g	100 mL				
460-41546-D-17	F-8	7471A, 7471A	T	0.61 g	100 mL				
460-41546-D-18	F-9	7471A, 7471A	T	0.60 g	100 mL				
460-41546-D-19	F-10	7471A, 7471A	T	0.64 g	100 mL				
460-41546-D-20	F-11	7471A, 7471A	T	0.62 g	100 mL				
460-41546-D-22	F-13	7471A, 7471A	T	0.65 g	100 mL				
460-41546-D-23	FB-E	7471A, 7471A	T	0.67 g	100 mL				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117199 Batch Start Date: 06/22/12 16:00 Batch Analyst: Staib, ThomasBatch Method: 7471A Batch End Date: 06/22/12 18:00

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR01459
Balance ID	#35
Batch Comment	Autoclave Pressure 15 LBS
Sulfuric Acid Lot Number	K20042
Lot # of hydrochloric acid	HgR01456
Lot # of Nitric Acid	L03021
Hood ID or number	#1
Potassium Permanganate Lot Number	HgR01458
NaCL Lot #	HgR01459
Oven, Bath or Block Temperature 1	Autoclave Temperature 121 Degrees Celcius
Pipette ID	#25
Stannous Chloride Lot Number	HgR01457
ID number of the thermometer	Prep-1

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-41546-1
SDG No.: _____
Project: C360112. Mt.Kisko, NY

Client Sample ID	Lab Sample ID
PH-1	460-41546-1
PH-2	460-41546-2
PH-3	460-41546-3
PH-4	460-41546-4
PH-5	460-41546-5
PH-6	460-41546-6
PH-7	460-41546-7
PH-8	460-41546-8
PH-9	460-41546-9
PH-10	460-41546-10
PH-11	460-41546-11
PH-12	460-41546-12
PH-13	460-41546-13
PH-14	460-41546-14
PH-15	460-41546-15
PH-16	460-41546-16
F-8	460-41546-17
F-9	460-41546-18
F-10	460-41546-19
F-11	460-41546-20
F-12	460-41546-21
F-13	460-41546-22
FB-E	460-41546-23

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	PH-1	Lab Sample ID:	460-41546-1
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 09:25
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	90.3		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.060	0.55	0.060	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	PH-2	Lab Sample ID:	460-41546-2
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 09:29
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	87.5		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.062	0.57	0.062	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PH-3
Lab Name: TestAmerica Edison
SDG ID.:
Matrix: Solid
Reporting Basis: DRY
% Solids: 73.7

Lab Sample ID: 460-41546-3
Job No.: 460-41546-1
Date Sampled: 06/20/2012 09:32
Date Received: 06/20/2012 17:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.073	0.68	0.073	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	PH-4	Lab Sample ID:	460-41546-4
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 09:34
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	81.8		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.066	0.61	0.066	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	PH-5	Lab Sample ID:	460-41546-5
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 10:10
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	94.5		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.057	0.53	0.057	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PH-6
Lab Name: TestAmerica Edison
SDG ID.:
Matrix: Solid
Reporting Basis: DRY
% Solids: 88.6

Lab Sample ID: 460-41546-6
Job No.: 460-41546-1
Date Sampled: 06/20/2012 10:14
Date Received: 06/20/2012 17:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.061	0.56	0.061	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PH-7	Lab Sample ID: 460-41546-7
Lab Name: TestAmerica Edison	Job No.: 460-41546-1
SDG ID.:	
Matrix: Solid	Date Sampled: 06/20/2012 10:16
Reporting Basis: DRY	Date Received: 06/20/2012 17:40
% Solids: 73.8	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.073	0.68	0.073	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	PH-8	Lab Sample ID:	460-41546-8
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 10:18
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	81.8		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.066	0.61	0.066	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	PH-9	Lab Sample ID:	460-41546-9
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 11:05
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	91.4		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.059	0.55	0.059	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	PH-10	Lab Sample ID:	460-41546-10
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 11:08
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	87.8		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.062	0.57	0.062	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PH-11
Lab Name: TestAmerica Edison
SDG ID.:
Matrix: Solid
Reporting Basis: DRY
% Solids: 71.1

Lab Sample ID: 460-41546-11
Job No.: 460-41546-1
Date Sampled: 06/20/2012 11:10
Date Received: 06/20/2012 17:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.076	0.70	0.076	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	PH-12	Lab Sample ID:	460-41546-12
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 11:12
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	83.6		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.065	0.60	0.065	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PH-13
Lab Name: TestAmerica Edison
SDG ID.:
Matrix: Solid
Reporting Basis: DRY
% Solids: 94.2

Lab Sample ID: 460-41546-13
Job No.: 460-41546-1
Date Sampled: 06/20/2012 11:50
Date Received: 06/20/2012 17:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.13	0.53	0.057	mg/Kg	J		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PH-14
Lab Name: TestAmerica Edison
SDG ID.:
Matrix: Solid
Reporting Basis: DRY
% Solids: 81.2

Lab Sample ID: 460-41546-14
Job No.: 460-41546-1
Date Sampled: 06/20/2012 11:53
Date Received: 06/20/2012 17:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.066	0.62	0.066	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PH-15
Lab Name: TestAmerica Edison
SDG ID.:
Matrix: Solid
Reporting Basis: DRY
% Solids: 79.6

Lab Sample ID: 460-41546-15
Job No.: 460-41546-1
Date Sampled: 06/20/2012 11:55
Date Received: 06/20/2012 17:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.19	0.63	0.068	mg/Kg	J		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	PH-16	Lab Sample ID:	460-41546-16
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 11:57
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	79.2		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.068	0.63	0.068	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: F-8
Lab Name: TestAmerica Edison
SDG ID.:
Matrix: Solid
Reporting Basis: DRY
% Solids: 90.9

Lab Sample ID: 460-41546-17
Job No.: 460-41546-1
Date Sampled: 06/20/2012 13:05
Date Received: 06/20/2012 17:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.17	0.55	0.059	mg/Kg	J		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: F-9
Lab Name: TestAmerica Edison
SDG ID.:
Matrix: Solid
Reporting Basis: DRY
% Solids: 89.2

Lab Sample ID: 460-41546-18
Job No.: 460-41546-1
Date Sampled: 06/20/2012 13:14
Date Received: 06/20/2012 17:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.061	0.56	0.061	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	F-10	Lab Sample ID:	460-41546-19
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 13:48
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	90.3		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.16	0.55	0.060	mg/Kg	J		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: F-11
Lab Name: TestAmerica Edison
SDG ID.:
Matrix: Solid
Reporting Basis: DRY
% Solids: 89.9

Lab Sample ID: 460-41546-20
Job No.: 460-41546-1
Date Sampled: 06/20/2012 13:52
Date Received: 06/20/2012 17:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.19	0.56	0.060	mg/Kg	J		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	F-12	Lab Sample ID:	460-41546-21
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 15:10
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	92.7		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.058	0.54	0.058	mg/Kg	U		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	F-13	Lab Sample ID:	460-41546-22
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 15:20
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	90.0		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.19	0.56	0.060	mg/Kg	J		1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	FB-E	Lab Sample ID:	460-41546-23
Lab Name:	TestAmerica Edison	Job No.:	460-41546-1
SDG ID.:			
Matrix:	Solid	Date Sampled:	06/20/2012 00:00
Reporting Basis:	DRY	Date Received:	06/20/2012 17:40
% Solids:	88.1		

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.061	0.57	0.061	mg/Kg	U		1	9012A

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Analyst: HV Batch Start Date: 07/01/2012
Reporting Units: mg/L Analytical Batch No.: 118178

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	13:51	Cyanide, Total	0.191	0.200	96	90-110		WTcnIM3_00730
9	CCB	13:52	Cyanide, Total	0.0014				U	
10	CCV	13:54	Cyanide, Total	0.191	0.200	95	90-110		WTcnIM3_00730
18	CCV	14:03	Cyanide, Total	0.190	0.200	95	90-110		WTcnIM3_00730
19	CCB	14:04	Cyanide, Total	0.0014				U	
30	CCV	14:16	Cyanide, Total	0.190	0.200	95	90-110		WTcnIM3_00730
31	CCB	14:17	Cyanide, Total	0.0014				U	
38	CCV	14:25	Cyanide, Total	0.188	0.200	94	90-110		WTcnIM3_00730
39	CCB	14:27	Cyanide, Total	0.0014				U	

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

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Analyst: HV Batch Start Date: 07/02/2012
Reporting Units: mg/L Analytical Batch No.: 118346

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	14:41	Cyanide, Total	0.200	0.200	100	90-110		WTcnIM3_00731
9	CCB	14:42	Cyanide, Total	0.0014				U	
10	CCV	14:43	Cyanide, Total	0.202	0.200	101	90-110		WTcnIM3_00731
18	CCV	14:52	Cyanide, Total	0.200	0.200	100	90-110		WTcnIM3_00731
19	CCB	14:53	Cyanide, Total	0.0014				U	
30	CCV	15:06	Cyanide, Total	0.201	0.200	101	90-110		WTcnIM3_00731
31	CCB	15:07	Cyanide, Total	0.0014				U	
39	CCV	15:19	Cyanide, Total	0.205	0.200	103	90-110		WTcnIM3_00731
40	CCB	15:21	Cyanide, Total	0.0014				U	

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

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Analyst: HV Batch Start Date: 07/03/2012
Reporting Units: mg/L Analytical Batch No.: 118452

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	11:34	Cyanide, Total	0.200	0.200	100	90-110		WTcnIM3_00732
9	CCB	11:35	Cyanide, Total	0.0014				U	
10	CCV	11:36	Cyanide, Total	0.199	0.200	100	90-110		WTcnIM3_00732
18	CCV	11:45	Cyanide, Total	0.199	0.200	99	90-110		WTcnIM3_00732
19	CCB	11:46	Cyanide, Total	0.0014				U	
30	CCV	11:59	Cyanide, Total	0.200	0.200	100	90-110		WTcnIM3_00732
31	CCB	12:00	Cyanide, Total	0.0014				U	
40	CCV	12:10	Cyanide, Total	0.199	0.200	100	90-110		WTcnIM3_00732
41	CCB	12:11	Cyanide, Total	0.0014				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 118178 Date: 07/01/2012 13:55	Prep Batch: 118174 Date: 07/01/2012 11:30						
9012A	MB 460-118174/1-A	Cyanide, Total	0.054	U	mg/Kg	0.50	1
Batch ID: 118178 Date: 07/01/2012 14:06	Prep Batch: 118173 Date: 07/01/2012 11:30						
9012A	MB 460-118173/1-A	Cyanide, Total	0.054	U	mg/Kg	0.50	1
Batch ID: 118346 Date: 07/02/2012 14:44	Prep Batch: 118311 Date: 07/02/2012 10:30						
9012A	MB 460-118311/1-A	Cyanide, Total	0.054	U	mg/Kg	0.50	1
Batch ID: 118346 Date: 07/02/2012 15:03	Prep Batch: 118323 Date: 07/02/2012 10:30						
9012A	MB 460-118323/1-A	Cyanide, Total	0.054	U	mg/Kg	0.50	1
Batch ID: 118452 Date: 07/03/2012 11:51	Prep Batch: 118408 Date: 07/03/2012 06:30						
9012A	MB 460-118408/1-A	Cyanide, Total	0.054	U	mg/Kg	0.50	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 118178 Date: 07/01/2012 13:58 Prep Batch: 118174 Date: 07/01/2012 11:30											
9012A	460-41547-E-1	Cyanide, Total	0.061	U	mg/Kg						
	-G										
9012A	460-41547-E-1	Cyanide, Total	11.50		mg/Kg	11.3	102	85-115			
	-G MS										
Batch ID: 118178 Date: 07/01/2012 14:09 Prep Batch: 118173 Date: 07/01/2012 11:30											
9012A	460-41546-1	Cyanide, Total	0.060	U	mg/Kg						
9012A	460-41546-1	Cyanide, Total	10.69		mg/Kg	11.1	97	85-115			
	MS										
Batch ID: 118346 Date: 07/02/2012 14:47 Prep Batch: 118311 Date: 07/02/2012 10:30											
9012A	460-41546-13	Cyanide, Total	0.13	J	mg/Kg						
9012A	460-41546-13	Cyanide, Total	10.91		mg/Kg	10.6	102	85-115			
	MS										
Batch ID: 118346 Date: 07/02/2012 15:09 Prep Batch: 118323 Date: 07/02/2012 10:30											
9012A	460-41546-16	Cyanide, Total	0.068	U	mg/Kg						
9012A	460-41546-16	Cyanide, Total	13.06		mg/Kg	12.6	103	85-115			
	MS										
Batch ID: 118452 Date: 07/03/2012 11:54 Prep Batch: 118408 Date: 07/03/2012 06:30											
9012A	460-41546-21	Cyanide, Total	0.058	U	mg/Kg						
9012A	460-41546-21	Cyanide, Total	10.90		mg/Kg	10.8	101	85-115			
	MS										

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

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 118178 9012A	Date: 07/01/2012 13:59 460-41547-E-1 -H MSD	Cyanide, Total	Prep Batch: 118174 11.47		mg/Kg	Date: 07/01/2012 11:30 11.3	102	85-115	0	10	
Batch ID: 118178 9012A	Date: 07/01/2012 14:10 460-41546-1 MSD	Cyanide, Total	Prep Batch: 118173 11.49		mg/Kg	Date: 07/01/2012 11:30 11.1	104	85-115	7	10	
Batch ID: 118346 9012A	Date: 07/02/2012 14:49 460-41546-13 MSD	Cyanide, Total	Prep Batch: 118311 10.85		mg/Kg	Date: 07/02/2012 10:30 10.6	101	85-115	1	10	
Batch ID: 118346 9012A	Date: 07/02/2012 15:10 460-41546-16 MSD	Cyanide, Total	Prep Batch: 118323 12.98		mg/Kg	Date: 07/02/2012 10:30 12.6	103	85-115	1	10	
Batch ID: 118452 9012A	Date: 07/03/2012 11:55 460-41546-21 MSD	Cyanide, Total	Prep Batch: 118408 10.95		mg/Kg	Date: 07/03/2012 06:30 10.8	102	85-115	0	10	

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

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID:	118178	Date:	07/01/2012 13:56	Prep Batch:	118174	Date:	07/01/2012 11:30				
						LCS Source:	WTcnIM2_00868				
9012A	LLCS 460-118174/2-A	Cyanide, Total	1.20		mg/Kg	1.25	96	90-110			
Batch ID:	118178	Date:	07/01/2012 14:07	Prep Batch:	118173	Date:	07/01/2012 11:30				
						LCS Source:	WTcnIM2_00868				
9012A	LLCS 460-118173/2-A	Cyanide, Total	1.22		mg/Kg	1.25	98	90-110			
Batch ID:	118346	Date:	07/02/2012 14:45	Prep Batch:	118311	Date:	07/02/2012 10:30				
						LCS Source:	WTcnIM2_00869				
9012A	LLCS 460-118311/2-A	Cyanide, Total	1.32		mg/Kg	1.25	106	90-110			
Batch ID:	118346	Date:	07/02/2012 15:04	Prep Batch:	118323	Date:	07/02/2012 10:30				
						LCS Source:	WTcnIM2_00869				
9012A	LLCS 460-118323/2-A	Cyanide, Total	1.35		mg/Kg	1.25	108	90-110			
Batch ID:	118452	Date:	07/03/2012 11:52	Prep Batch:	118408	Date:	07/03/2012 06:30				
						LCS Source:	WTcnIM2_00870				
9012A	LLCS 460-118408/2-A	Cyanide, Total	1.35		mg/Kg	1.25	108	90-110			

FORM VIIA-IN

Lab Name: TestAmerica Edison Job No.: 460-41546-1
SDG No.: _____
Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID:	118178	Date:	07/01/2012 13:57	Prep Batch:	118174	Date:	07/01/2012 11:30				
						LCS Source:	WTcnIM1_00711				
9012A	HLCS 460-118174/3-A	Cyanide, Total	9.20		mg/Kg	10.0	92	90-110			
Batch ID:	118178	Date:	07/01/2012 14:08	Prep Batch:	118173	Date:	07/01/2012 11:30				
						LCS Source:	WTcnIM1_00711				
9012A	HLCS 460-118173/3-A	Cyanide, Total	9.29		mg/Kg	10.0	93	90-110			
Batch ID:	118346	Date:	07/02/2012 14:46	Prep Batch:	118311	Date:	07/02/2012 10:30				
						LCS Source:	WTcnIM1_00712				
9012A	HLCS 460-118311/3-A	Cyanide, Total	9.78		mg/Kg	10.0	98	90-110			
Batch ID:	118346	Date:	07/02/2012 15:08	Prep Batch:	118323	Date:	07/02/2012 10:30				
						LCS Source:	WTcnIM1_00712				
9012A	HLCS 460-118323/3-A	Cyanide, Total	9.93		mg/Kg	10.0	99	90-110			
Batch ID:	118452	Date:	07/03/2012 11:53	Prep Batch:	118408	Date:	07/03/2012 06:30				
						LCS Source:	WTcnIM1_00713				
9012A	HLCS 460-118408/3-A	Cyanide, Total	9.70		mg/Kg	10.0	97	90-110			

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-41546-1
SDG Number: _____
Matrix: Solid Instrument ID: Lachat2
Method: 9012A MDL Date: 11/22/2011 09:58
Prep Method: 9012A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Cyanide, Total		0.5	0.054

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-41546-1
SDG Number: _____
Matrix: Solid Instrument ID: Lachat2
Method: 9012A XMDL Date: 11/22/2011 09:58

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.0014

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-41546-1
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: 460-41546-1
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	

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

SDG No.: _____

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-118173/1-A	07/01/2012 11:30	118173	1		50
LLCS 460-118173/2-A	07/01/2012 11:30	118173	1		50
HLCS 460-118173/3-A	07/01/2012 11:30	118173	1		50
460-41546-1	07/01/2012 11:30	118173	1		50
460-41546-1 MS	07/01/2012 11:30	118173	1		50
460-41546-1 MSD	07/01/2012 11:30	118173	1		50
460-41546-2	07/01/2012 11:30	118173	1		50
460-41546-3	07/01/2012 11:30	118173	1		50
460-41546-4	07/01/2012 11:30	118173	1		50
460-41546-5	07/01/2012 11:30	118173	1		50
460-41546-6	07/01/2012 11:30	118173	1		50
460-41546-7	07/01/2012 11:30	118173	1		50
460-41546-8	07/01/2012 11:30	118173	1		50
460-41546-9	07/01/2012 11:30	118173	1		50
460-41546-10	07/01/2012 11:30	118173	1		50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-118174/1-A	07/01/2012 11:30	118174	1		50
LLCS 460-118174/2-A	07/01/2012 11:30	118174	1		50
HLCS 460-118174/3-A	07/01/2012 11:30	118174	1		50
460-41547-E-1-G MS	07/01/2012 11:30	118174	1		50
460-41547-E-1-H MSD	07/01/2012 11:30	118174	1		50
460-41546-11	07/01/2012 11:30	118174	1		50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-118311/1-A	07/02/2012 10:30	118311	1.0		50.0
LLCS 460-118311/2-A	07/02/2012 10:30	118311	1.0		50.0
HLCS 460-118311/3-A	07/02/2012 10:30	118311	1.0		50.0
460-41546-13 MS	07/02/2012 10:30	118311	1.0		50.0
460-41546-13 MSD	07/02/2012 10:30	118311	1.0		50.0
460-41546-13	07/02/2012 10:30	118311	1.0		50.0
460-41546-12	07/02/2012 10:30	118311	1.0		50.0

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-118323/1-A	07/02/2012 10:30	118323	1.0		50.0
LLCS 460-118323/2-A	07/02/2012 10:30	118323	1.0		50.0
HLCS 460-118323/3-A	07/02/2012 10:30	118323	1.0		50.0
460-41546-16 MS	07/02/2012 10:30	118323	1.0		50.0
460-41546-16 MSD	07/02/2012 10:30	118323	1.0		50.0
460-41546-16	07/02/2012 10:30	118323	1.0		50.0
460-41546-14	07/02/2012 10:30	118323	1.0		50.0
460-41546-15	07/02/2012 10:30	118323	1.0		50.0

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison

Job No.: 460-41546-1

SDG No.: _____

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-118408/1-A	07/03/2012 06:30	118408	1.0		50.0
LLCS 460-118408/2-A	07/03/2012 06:30	118408	1.0		50.0
HLCS 460-118408/3-A	07/03/2012 06:30	118408	1.0		50.0
460-41546-21 MS	07/03/2012 06:30	118408	1.0		50.0
460-41546-21 MSD	07/03/2012 06:30	118408	1.0		50.0
460-41546-21	07/03/2012 06:30	118408	1.0		50.0
460-41546-17	07/03/2012 06:30	118408	1.0		50.0
460-41546-18	07/03/2012 06:30	118408	1.0		50.0
460-41546-19	07/03/2012 06:30	118408	1.0		50.0
460-41546-20	07/03/2012 06:30	118408	1.0		50.0
460-41546-22	07/03/2012 06:30	118408	1.0		50.0
460-41546-23	07/03/2012 06:30	118408	1.0		50.0

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: Lachat2 Method: 9012A

Start Date: 07/01/2012 13:42 End Date: 07/01/2012 14:27

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
ZZZZZZ			13:42																
ZZZZZZ			13:43																
ZZZZZZ			13:44																
ZZZZZZ			13:45																
ZZZZZZ			13:47																
ZZZZZZ			13:48																
ZZZZZZ			13:49																
ICV 460-118178/8	1		13:51	X															
CCB 460-118178/9	1		13:52	X															
CCV 460-118178/10	1		13:54	X															
MB 460-118174/1-A	1	T	13:55	X															
LLCS 460-118174/2-A	1	T	13:56	X															
HLCS 460-118174/3-A	1	T	13:57	X															
460-41547-E-1-G MS	1	T	13:58	X															
460-41547-E-1-H MSD	1	T	13:59	X															
ZZZZZZ			14:00																
ZZZZZZ			14:01																
CCV 460-118178/18	1		14:03	X															
CCB 460-118178/19	1		14:04	X															
460-41546-11	1	T	14:05	X															
MB 460-118173/1-A	1	T	14:06	X															
LLCS 460-118173/2-A	1	T	14:07	X															
HLCS 460-118173/3-A	1	T	14:08	X															
460-41546-1 MS	1	T	14:09	X															
460-41546-1 MSD	1	T	14:10	X															
460-41546-1	1	T	14:12	X															
460-41546-2	1	T	14:13	X															
460-41546-3	1	T	14:14	X															
460-41546-4	1	T	14:15	X															
CCV 460-118178/30	1		14:16	X															
CCB 460-118178/31	1		14:17	X															
460-41546-5	1	T	14:19	X															
460-41546-6	1	T	14:20	X															
460-41546-7	1	T	14:21	X															
460-41546-8	1	T	14:22	X															
460-41546-9	1	T	14:23	X															
460-41546-10	1	T	14:24	X															
CCV 460-118178/38	1		14:25	X															
CCB 460-118178/39	1		14:27	X															

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: Lachat2 Method: 9012A

Start Date: 07/02/2012 14:31 End Date: 07/02/2012 15:21

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
ZZZZZZ			14:31																
ZZZZZZ			14:33																
ZZZZZZ			14:34																
ZZZZZZ			14:35																
ZZZZZZ			14:36																
ZZZZZZ			14:37																
ZZZZZZ			14:38																
ICV 460-118346/8	1		14:41	X															
CCB 460-118346/9	1		14:42	X															
CCV 460-118346/10	1		14:43	X															
MB 460-118311/1-A	1	T	14:44	X															
LLCS 460-118311/2-A	1	T	14:45	X															
HLCS 460-118311/3-A	1	T	14:46	X															
460-41546-13 MS	1	T	14:47	X															
460-41546-13 MSD	1	T	14:49	X															
460-41546-13	1	T	14:50	X															
460-41546-12	1	T	14:51	X															
CCV 460-118346/18	1		14:52	X															
CCB 460-118346/19	1		14:53	X															
ZZZZZZ			14:54																
ZZZZZZ			14:55																
ZZZZZZ			14:56																
ZZZZZZ			14:58																
ZZZZZZ			14:59																
ZZZZZZ			15:00																
ZZZZZZ			15:01																
ZZZZZZ			15:02																
MB 460-118323/1-A	1	T	15:03	X															
LLCS 460-118323/2-A	1	T	15:04	X															
CCV 460-118346/30	1		15:06	X															
CCB 460-118346/31	1		15:07	X															
HLCS 460-118323/3-A	1	T	15:08	X															
460-41546-16 MS	1	T	15:09	X															
460-41546-16 MSD	1	T	15:10	X															
460-41546-16	1	T	15:11	X															
460-41546-14	1	T	15:12	X															
460-41546-15	1	T	15:14	X															
ZZZZZZ			15:17																
CCV 460-118346/39	1		15:19	X															
CCB 460-118346/40	1		15:21	X															

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: Lachat2 Method: 9012A

Start Date: 07/02/2012 14:31 End Date: 07/02/2012 15:21

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: Lachat2 Method: 9012A

Start Date: 07/03/2012 11:25 End Date: 07/03/2012 12:11

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
ZZZZZZ			11:25																
ZZZZZZ			11:26																
ZZZZZZ			11:27																
ZZZZZZ			11:28																
ZZZZZZ			11:29																
ZZZZZZ			11:30																
ZZZZZZ			11:31																
ICV 460-118452/8	1		11:34	X															
CCB 460-118452/9	1		11:35	X															
CCV 460-118452/10	1		11:36	X															
ZZZZZZ			11:37																
ZZZZZZ			11:38																
ZZZZZZ			11:40																
ZZZZZZ			11:41																
ZZZZZZ			11:42																
ZZZZZZ			11:43																
ZZZZZZ			11:44																
CCV 460-118452/18	1		11:45	X															
CCB 460-118452/19	1		11:46	X															
ZZZZZZ			11:47																
ZZZZZZ			11:49																
ZZZZZZ			11:50																
MB 460-118408/1-A	1	T	11:51	X															
LLCS 460-118408/2-A	1	T	11:52	X															
HLCS 460-118408/3-A	1	T	11:53	X															
460-41546-21 MS	1	T	11:54	X															
460-41546-21 MSD	1	T	11:55	X															
460-41546-21	1	T	11:57	X															
ZZZZZZ			11:58																
CCV 460-118452/30	1		11:59	X															
CCB 460-118452/31	1		12:00	X															
460-41546-18	1	T	12:01	X															
460-41546-19	1	T	12:02	X															
460-41546-20	1	T	12:03	X															
460-41546-22	1	T	12:05	X															
460-41546-23	1	T	12:06	X															
460-41546-17	1	T	12:07	X															
ZZZZZZ			12:08																
ZZZZZZ			12:09																
CCV 460-118452/40	1		12:10	X															
CCB 460-118452/41	1		12:11	X															

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: Lachat2 Method: 9012A

Start Date: 07/03/2012 11:25 End Date: 07/03/2012 12:11

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/21/2012 23:47 End Date: 06/21/2012 23:47

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			23:47																		
ZZZZZZ			23:47																		
ZZZZZZ			23:47																		
ZZZZZZ			23:47																		
ZZZZZZ			23:47																		
ZZZZZZ			23:47																		
460-41546-1	1	T	23:47	X	X																
460-41546-2	1	T	23:47	X	X																
460-41546-3	1	T	23:47	X	X																
460-41546-4	1	T	23:47	X	X																
460-41546-5	1	T	23:47	X	X																
460-41546-6	1	T	23:47	X	X																
460-41546-7	1	T	23:47	X	X																
460-41546-8	1	T	23:47	X	X																
460-41546-9	1	T	23:47	X	X																
460-41546-10	1	T	23:47	X	X																
460-41546-11	1	T	23:47	X	X																
460-41546-12	1	T	23:47	X	X																
460-41546-13	1	T	23:47	X	X																
460-41546-14	1	T	23:47	X	X																
460-41546-14 DU	1	T	23:47	X	X																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/22/2012 00:55 End Date: 06/22/2012 00:55

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
460-41546-15	1	T	00:55	X	X																
460-41546-16	1	T	00:55	X	X																
460-41546-17	1	T	00:55	X	X																
460-41546-18	1	T	00:55	X	X																
460-41546-19	1	T	00:55	X	X																
460-41546-20	1	T	00:55	X	X																
460-41546-21	1	T	00:55	X	X																
460-41546-21 MS	1	T	00:55	X	X																
460-41546-21 MSD	1	T	00:55	X	X																
460-41546-21 DU	1	T	00:55	X	X																
460-41546-22	1	T	00:55	X	X																
460-41546-23	1	T	00:55	X	X																
ZZZZZZ			00:55																		
ZZZZZZ			00:55																		
ZZZZZZ			00:55																		
ZZZZZZ			00:55																		
ZZZZZZ			00:55																		
ZZZZZZ			00:55																		
ZZZZZZ			00:55																		
ZZZZZZ			00:55																		
ZZZZZZ			00:55																		

Prep Types

T = Total/NA

OPERATOR: huan
ACQ. TIME: Jul 1, 2012 13:42:31
DATA FILENAME: C:\OMNION\DATA\CYANIDE\2012DA~1\C120701.FDT
METHOD FILENAME:
TRAY FILENAME:

TRAY DESCRIPTION:

Created: Jun 29, 2012 12:27:00
Modified: Jul 1, 2012 14:07:53

cyanide

DATA DESCRIPTION:

Created: Jul 1, 2012 13:42:31
Modified: Jul 1, 2012 13:42:31

Method - Ch. 1 (cyanide)

METHOD DESCRIPTION:

Created: Feb 8, 2007 12:27:16
Modified: Jun 27, 2012 12:32:24
cyanide

ANALYTE DATA:

Analyte Name: cyanide
Concentration Units: mg/l
Chemistry: Direct
Inject to Peak Start (s): 24.0
Peak Base Width (s): 33.472
% Width Tolerance: 100.000
Threshold: 25000.000
Autodilution Trigger: Off
QuikChem Method: 10-204-00-1-a

CALIBRATION DATA:

Levels:

1 : 0.000 2 : 0.010 3 : 0.025 4 : 0.050
5 : 0.100 6 : 0.200 7 : 0.400

Calibration Rep Handling: Average
Calibration Fit Type: 1st Order Poly
Force Though Zero: No
Weighting Method: 1/X
Concentration Scaling: None

SAMPLER TIMING:

Method Cycle Period: 70.0
Min. Probe in Wash Period: 14.0
Probe in Sample Period: 20.0

*** Prep Sequence Not Enabled ***

VALVE TIMING:

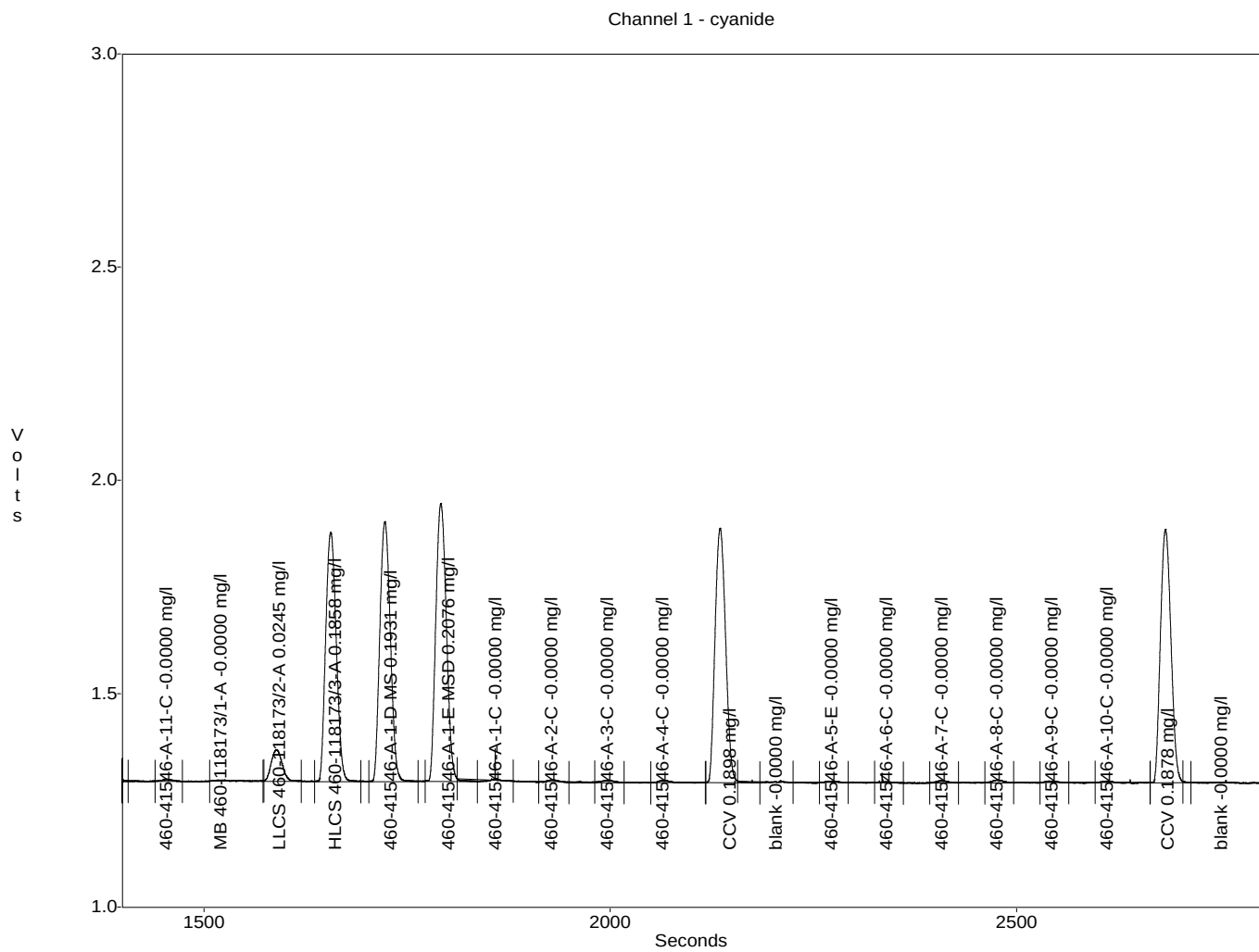
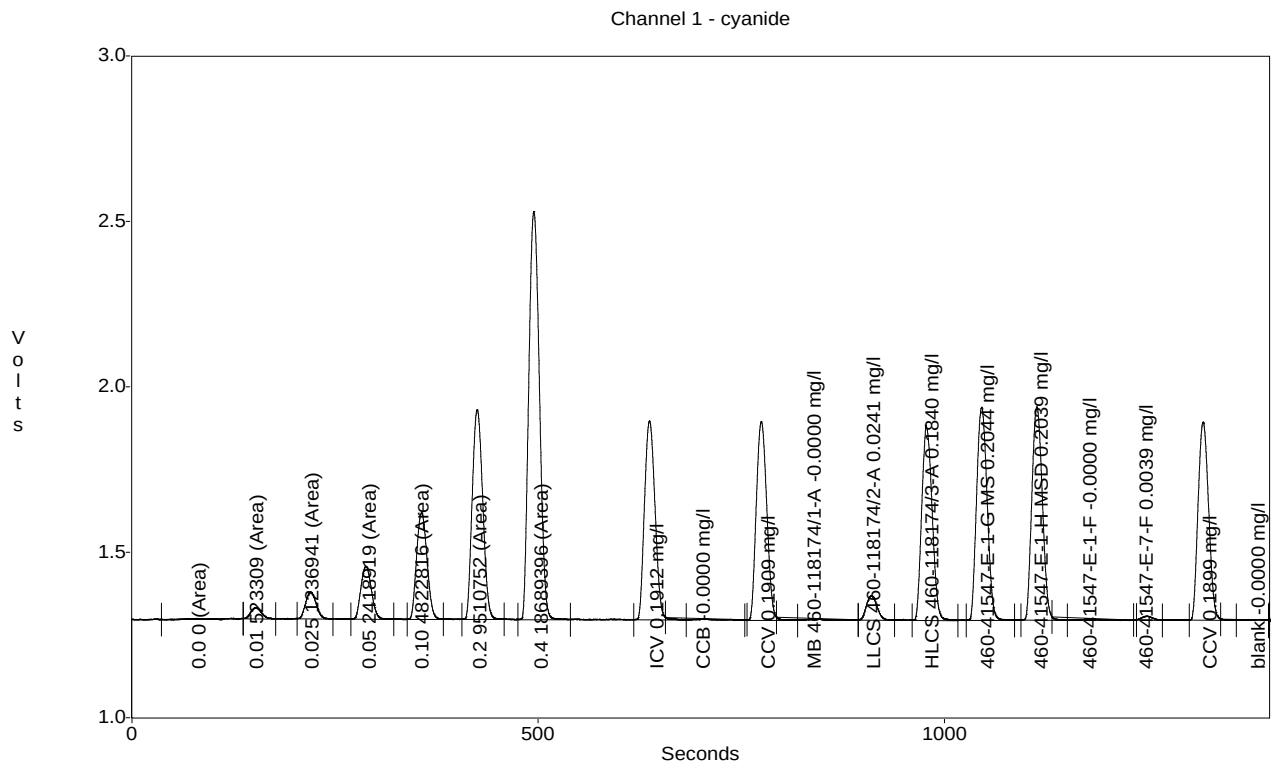
Method Cycle Period: 70.0
Sample Reaches 1st Valve: 30.0
Valve: On
Load Time: 0.0
Load Period: 15.0
Inject Period: 55.0

Multi-Channel Table
 Type: Calibration Standards
 Channel Range: 1 to 8 -- Cup Range: 1 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	cyanide (uv-s)	Man Dil Factor	Auto Dil Factor	Weight	Unit
1	0.0	01 Jul 2012	13:42:32	1	0.00	1.0	1.00	1.00000 g	
2	0.01	01 Jul 2012	13:43:39	1	523309.00	1.0	1.00	1.00000 g	
3	0.025	01 Jul 2012	13:44:47	1	1236941.00	1.0	1.00	1.00000 g	
4	0.05	01 Jul 2012	13:45:55	1	2418919.00	1.0	1.00	1.00000 g	
5	0.10	01 Jul 2012	13:47:03	1	4822816.00	1.0	1.00	1.00000 g	
6	0.2	01 Jul 2012	13:48:12	1	9510752.00	1.0	1.00	1.00000 g	
7	0.4	01 Jul 2012	13:49:21	1	18689396.00	1.0	1.00	1.00000 g	

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	cyanide (mg/l)	Man Dil Factor	Auto Dil Factor	Weight	Unit
1	ICV	01 Jul 2012	13:51:44	1	0.1912	1.0	1.00	1.00000	g
2	CCB	01 Jul 2012	13:52:52	1	-0.0000	1.0	1.00	1.00000	g
3	CCV	01 Jul 2012	13:54:01	1	0.1909	1.0	1.00	1.00000	g
4	MB 460-118174/1-A	01 Jul 2012	13:55:09	1	-0.0000	1.0	1.00	1.00000	g
5	LLCS 460-118174/2-A	01 Jul 2012	13:56:17	1	0.0241	1.0	1.00	1.00000	g
6	HLCS 460-118174/3-A	01 Jul 2012	13:57:25	1	0.1840	1.0	1.00	1.00000	g
7	460-41547-E-1-G MS	01 Jul 2012	13:58:32	1	0.2044	1.0	1.00	1.00000	g
8	460-41547-E-1-H MSD	01 Jul 2012	13:59:40	1	0.2039	1.0	1.00	1.00000	g
9	460-41547-E-1-F	01 Jul 2012	14:00:48	1	-0.0000	1.0	1.00	1.00000	g
10	460-41547-E-7-F	01 Jul 2012	14:01:56	1	0.0039	1.0	1.00	1.00000	g
11	460-41546-A-11-C	01 Jul 2012	14:05:23	1	-0.0000	1.0	1.00	1.00000	g
12	MB 460-118173/1-A	01 Jul 2012	14:06:29	1	-0.0000	1.0	1.00	1.00000	g
13	LLCS 460-118173/2-A	01 Jul 2012	14:07:36	1	0.0245	1.0	1.00	1.00000	g
14	HLCS 460-118173/3-A	01 Jul 2012	14:08:43	1	0.1858	1.0	1.00	1.00000	g
15	460-41546-A-1-D MS	01 Jul 2012	14:09:50	1	0.1931	1.0	1.00	1.00000	g
16	460-41546-A-1-E MSD	01 Jul 2012	14:10:59	1	0.2076	1.0	1.00	1.00000	g
17	460-41546-A-1-C	01 Jul 2012	14:12:07	1	-0.0000	1.0	1.00	1.00000	g
18	460-41546-A-2-C	01 Jul 2012	14:13:16	1	-0.0000	1.0	1.00	1.00000	g
19	460-41546-A-3-C	01 Jul 2012	14:14:25	1	-0.0000	1.0	1.00	1.00000	g
20	460-41546-A-4-C	01 Jul 2012	14:15:33	1	-0.0000	1.0	1.00	1.00000	g
21	460-41546-A-5-E	01 Jul 2012	14:19:01	1	-0.0000	1.0	1.00	1.00000	g
22	460-41546-A-6-C	01 Jul 2012	14:20:09	1	-0.0000	1.0	1.00	1.00000	g
23	460-41546-A-7-C	01 Jul 2012	14:21:16	1	-0.0000	1.0	1.00	1.00000	g
24	460-41546-A-8-C	01 Jul 2012	14:22:24	1	-0.0000	1.0	1.00	1.00000	g
25	460-41546-A-9-C	01 Jul 2012	14:23:32	1	-0.0000	1.0	1.00	1.00000	g
26	460-41546-A-10-C	01 Jul 2012	14:24:40	1	-0.0000	1.0	1.00	1.00000	g



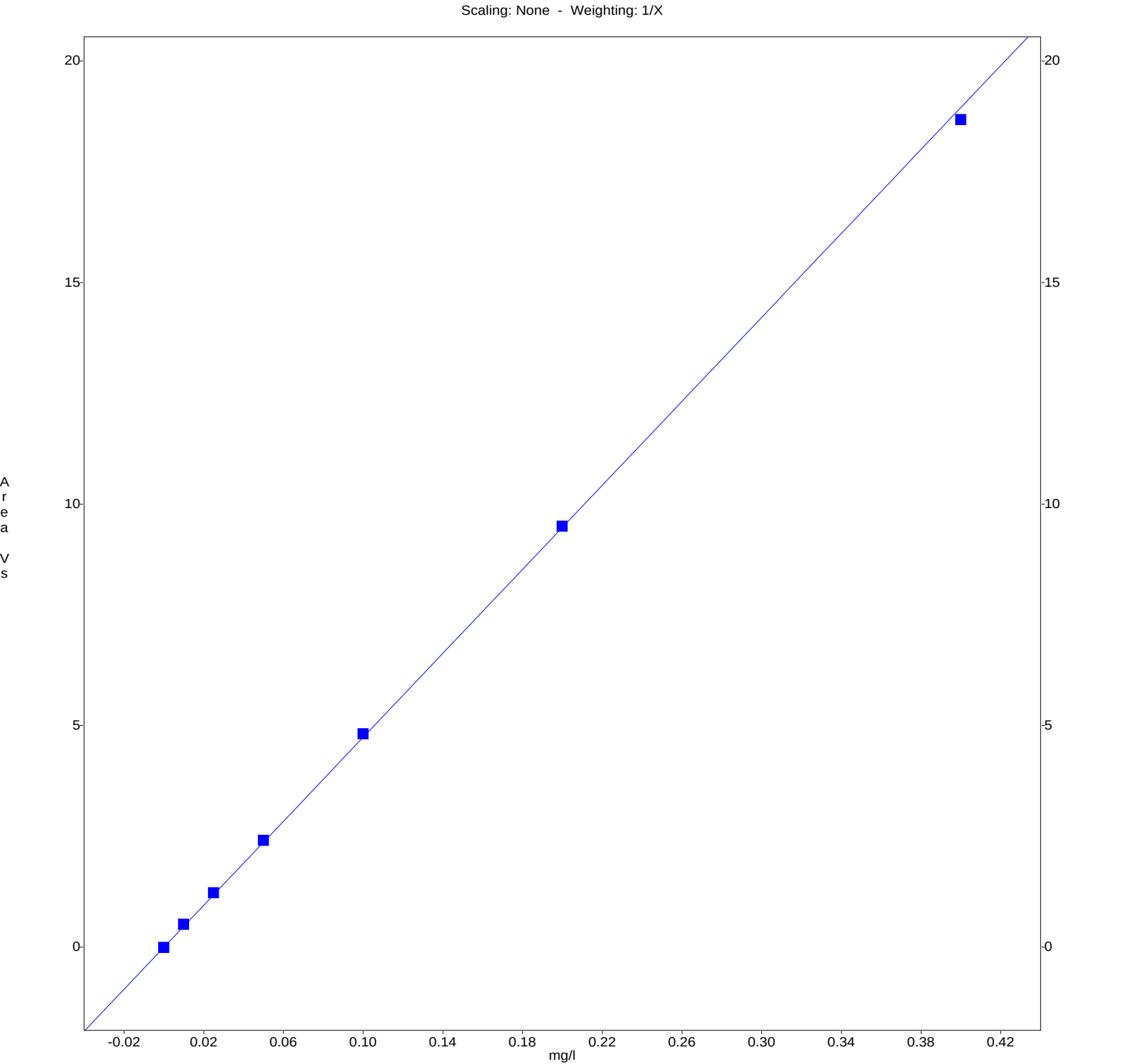
Multi-Channel Table
Type: DQM
Channel Range: 1 to 8 -- Cup Range: 1 to 50

Cup	Sample ID	Sample Type	Sampling Date	Sampling Time	Rep #	cyanide (mg/l)	Man Dil Factor	Auto Dil Factor	Weight	Unit
15	CCV	RelChkStd	01 Jul 2012	14:03:05	1	0.1899 Known Concentration: 0.2000 % Difference: -5.0505	1.0	1.00	1.00000	g
15	CCV	RelChkStd	01 Jul 2012	14:16:42	1	0.1898 Known Concentration: 0.2000 % Difference: -5.1087	1.0	1.00	1.00000	g
15	CCV	RelChkStd	01 Jul 2012	14:25:50	1	0.1878 Known Concentration: 0.2000 % Difference: -6.1049	1.0	1.00	1.00000	g
16	blank	Blank	01 Jul 2012	14:04:15	1	-0.0000	1.0	1.00	1.00000	g
16	blank	Blank	01 Jul 2012	14:17:53	1	-0.0000	1.0	1.00	1.00000	g
16	blank	Blank	01 Jul 2012	14:27:00	1	-0.0000	1.0	1.00	1.00000	g

cyanide

Lvl	Area	mg/l	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	0	0.000	0					0.0	0.0	
2	523309	0.010	523309					0.0	0.0	-10.4
3	1236941	0.025	1236941					0.0	0.0	-4.4
4	2418919	0.050	2418919					0.0	0.0	-2.1
5	4822816	0.100	4822816					0.0	0.0	-1.8
6	9510752	0.200	9510752					0.0	0.0	-0.3
7	18689396	0.400	18689396					0.0	0.0	1.4

1st Order Poly
Conc = 2.110e-008 Area - 3.449e-009
r = 0.9998



Dilution Form
Wet Chemistry

Method No.: 335.4

Analyst: HV

Prep Batch: _____

Analysis Date: 07/02/12

Analytical Batch: 118346

[illegible]

OPERATOR: huan
ACQ. TIME: Jul 2, 2012 14:31:53
DATA FILENAME: C:\OMNION\DATA\CYANIDE\2012DA~1\C120702A.FDT
METHOD FILENAME:
TRAY FILENAME:

TRAY DESCRIPTION:

Created: Jun 29, 2012 12:27:00
Modified: Jul 2, 2012 15:18:42

cyanide

DATA DESCRIPTION:

Created: Jul 2, 2012 14:31:53
Modified: Jul 2, 2012 14:31:53

Method - Ch. 1 (cyanide)

METHOD DESCRIPTION:

Created: Feb 8, 2007 12:27:16
Modified: Jun 27, 2012 12:32:24
cyanide

ANALYTE DATA:

Analyte Name: cyanide
Concentration Units: mg/l
Chemistry: Direct
Inject to Peak Start (s): 24.0
Peak Base Width (s): 33.472
% Width Tolerance: 100.000
Threshold: 25000.000
Autodilution Trigger: Off
QuikChem Method: 10-204-00-1-a

CALIBRATION DATA:

Levels:

1 : 0.000 2 : 0.010 3 : 0.025 4 : 0.050
5 : 0.100 6 : 0.200 7 : 0.400

Calibration Rep Handling: Average
Calibration Fit Type: 1st Order Poly
Force Though Zero: No
Weighting Method: 1/X
Concentration Scaling: None

SAMPLER TIMING:

Method Cycle Period: 70.0
Min. Probe in Wash Period: 14.0
Probe in Sample Period: 20.0

*** Prep Sequence Not Enabled ***

VALVE TIMING:

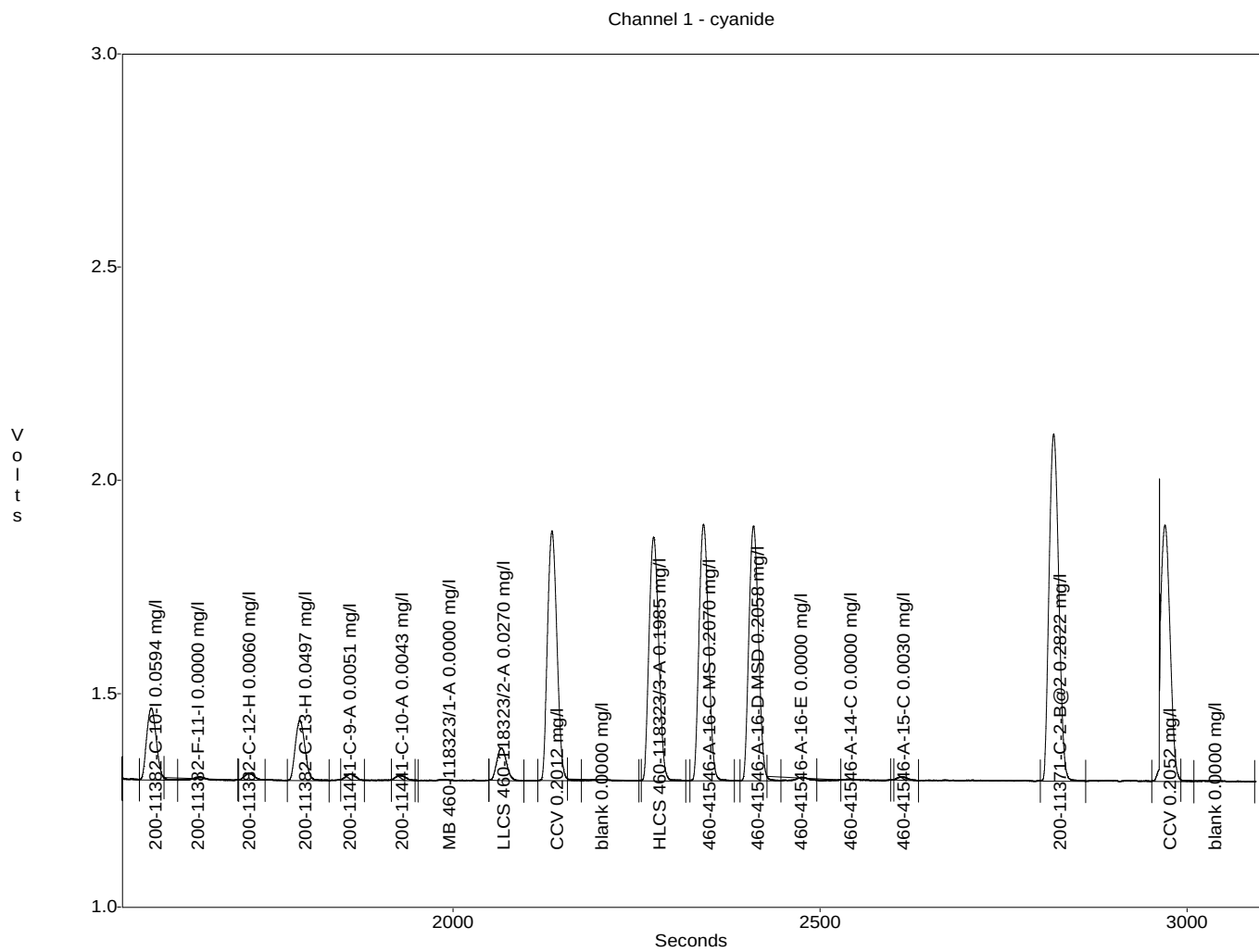
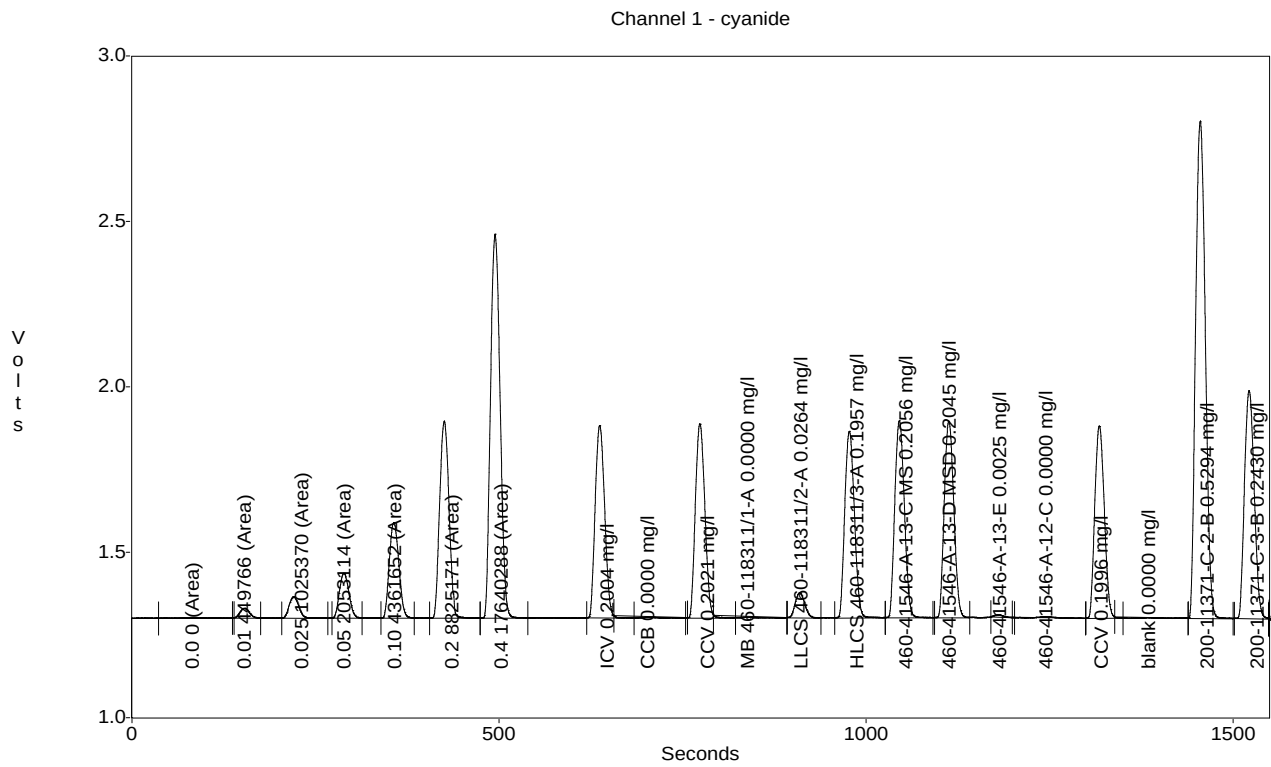
Method Cycle Period: 70.0
Sample Reaches 1st Valve: 30.0
Valve: On
Load Time: 0.0
Load Period: 15.0
Inject Period: 55.0

Multi-Channel Table
 Type: Calibration Standards
 Channel Range: 1 to 8 -- Cup Range: 1 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	cyanide (uv-s)	Man Dil Factor	Auto Dil Factor	Weight	Unit
1	0.0	02 Jul 2012	14:31:54	1	0.00	1.0	1.00	1.00000 g	
2	0.01	02 Jul 2012	14:33:02	1	449766.00	1.0	1.00	1.00000 g	
3	0.025	02 Jul 2012	14:34:09	1	1025370.00	1.0	1.00	1.00000 g	
4	0.05	02 Jul 2012	14:35:17	1	2053114.00	1.0	1.00	1.00000 g	
5	0.10	02 Jul 2012	14:36:25	1	4361652.00	1.0	1.00	1.00000 g	
6	0.2	02 Jul 2012	14:37:34	1	8825171.00	1.0	1.00	1.00000 g	
7	0.4	02 Jul 2012	14:38:43	1	17640288.00	1.0	1.00	1.00000 g	

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	cyanide (mg/l)	Man Dil Factor	Auto Dil Factor	Weight	Unit
1	ICV	02 Jul 2012	14:41:06	1	0.2004	1.0	1.00	1.00000	g
2	CCB	02 Jul 2012	14:42:15	1	0.0000	1.0	1.00	1.00000	g
3	CCV	02 Jul 2012	14:43:22	1	0.2021	1.0	1.00	1.00000	g
4	MB 460-118311/1-A	02 Jul 2012	14:44:30	1	0.0000	1.0	1.00	1.00000	g
5	LLCS 460-118311/2-A	02 Jul 2012	14:45:38	1	0.0264	1.0	1.00	1.00000	g
6	HLCS 460-118311/3-A	02 Jul 2012	14:46:46	1	0.1957	1.0	1.00	1.00000	g
7	460-41546-A-13-C MS	02 Jul 2012	14:47:54	1	0.2056	1.0	1.00	1.00000	g
8	460-41546-A-13-D MSD	02 Jul 2012	14:49:01	1	0.2045	1.0	1.00	1.00000	g
9	460-41546-A-13-E	02 Jul 2012	14:50:09	1	0.0025	1.0	1.00	1.00000	g
10	460-41546-A-12-C	02 Jul 2012	14:51:17	1	0.0000	1.0	1.00	1.00000	g
11	200-11371-C-2-B	02 Jul 2012	14:54:44	1	0.5294	1.0	1.00	1.00000	g
12	200-11371-C-3-B	02 Jul 2012	14:55:51	1	0.2430	1.0	1.00	1.00000	g
13	200-11382-C-10-I	02 Jul 2012	14:56:57	1	0.0594	1.0	1.00	1.00000	g
14	200-11382-F-11-I	02 Jul 2012	14:58:04	1	0.0000	1.0	1.00	1.00000	g
15	200-11382-C-12-H	02 Jul 2012	14:59:11	1	0.0060	1.0	1.00	1.00000	g
16	200-11382-C-13-H	02 Jul 2012	15:00:20	1	0.0497	1.0	1.00	1.00000	g
17	200-11441-C-9-A	02 Jul 2012	15:01:29	1	0.0051	1.0	1.00	1.00000	g
18	200-11441-C-10-A	02 Jul 2012	15:02:38	1	0.0043	1.0	1.00	1.00000	g
19	MB 460-118323/1-A	02 Jul 2012	15:03:46	1	0.0000	1.0	1.00	1.00000	g
20	LLCS 460-118323/2-A	02 Jul 2012	15:04:54	1	0.0270	1.0	1.00	1.00000	g
21	HLCS 460-118323/3-A	02 Jul 2012	15:08:22	1	0.1985	1.0	1.00	1.00000	g
22	460-41546-A-16-C MS	02 Jul 2012	15:09:30	1	0.2070	1.0	1.00	1.00000	g
23	460-41546-A-16-D MSD	02 Jul 2012	15:10:38	1	0.2058	1.0	1.00	1.00000	g
24	460-41546-A-16-E	02 Jul 2012	15:11:46	1	0.0000	1.0	1.00	1.00000	g
25	460-41546-A-14-C	02 Jul 2012	15:12:53	1	0.0000	1.0	1.00	1.00000	g
26	460-41546-A-15-C	02 Jul 2012	15:14:01	1	0.0030	1.0	1.00	1.00000	g
27	200-11371-C-2-B@2	02 Jul 2012	15:17:27	1	0.2822	1.0	1.00	1.00000	g



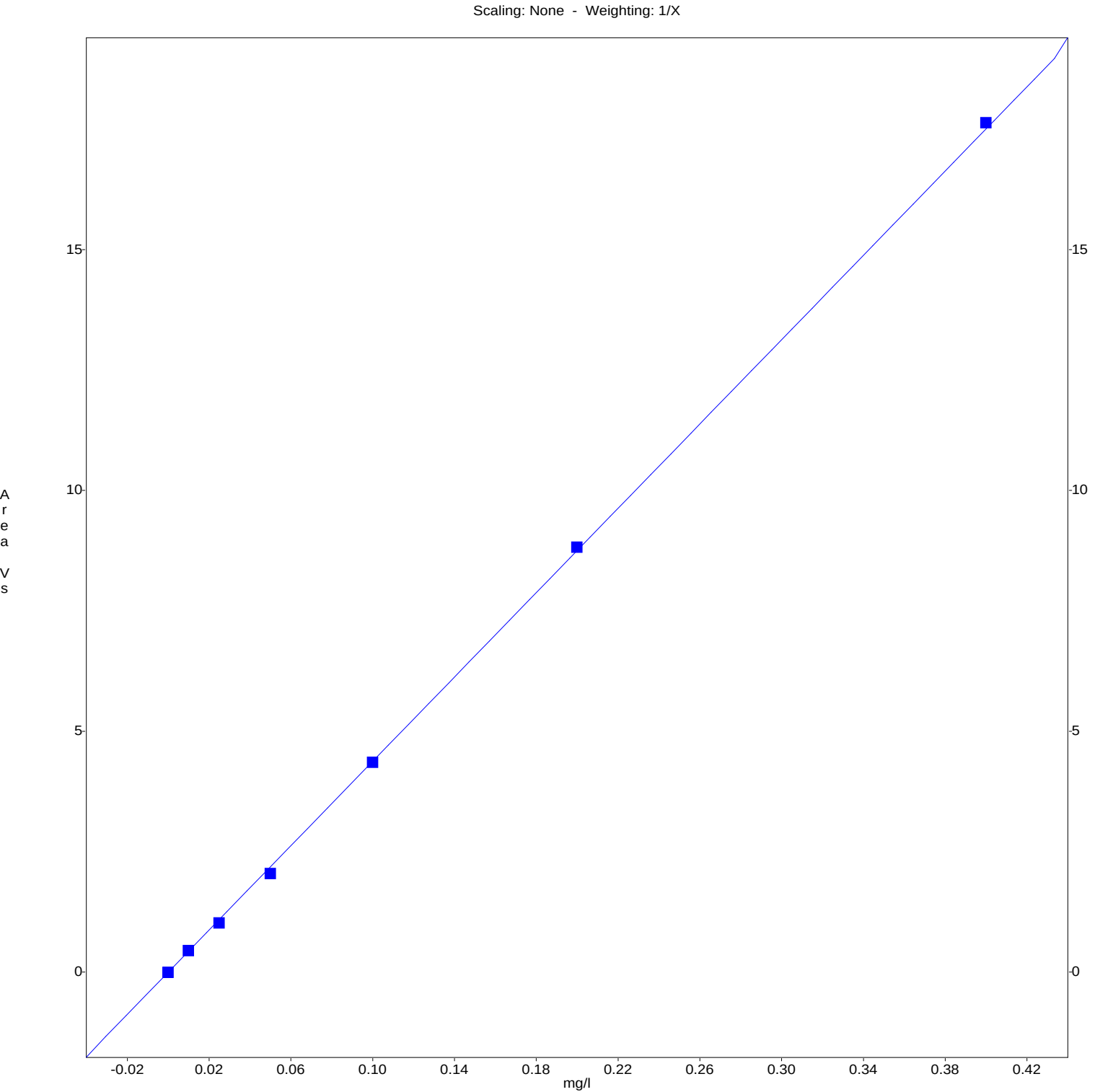
Multi-Channel Table
Type: DQM
Channel Range: 1 to 8 -- Cup Range: 1 to 50

Cup	Sample ID	Sample Type	Sampling Date	Sampling Time	Rep #	cyanide (mg/l)	Man Dil Factor	Auto Dil Factor	Weight	Unit
15	CCV	RelChkStd	02 Jul 2012	14:52:26	1	0.1996	1.0	1.00	1.00000	g
						0.2000				
						% Difference:				
						-0.2233				
15	CCV	RelChkStd	02 Jul 2012	15:06:04	1	0.2012	1.0	1.00	1.00000	g
						0.2000				
						% Difference:				
						0.6088				
15	CCV	RelChkStd	02 Jul 2012	15:19:59	1	0.2052	1.0	1.00	1.00000	g
						0.2000				
						% Difference:				
						2.6071				
16	blank	Blank	02 Jul 2012	14:53:37	1	0.0000	1.0	1.00	1.00000	g
16	blank	Blank	02 Jul 2012	15:07:14	1	0.0000	1.0	1.00	1.00000	g
16	blank	Blank	02 Jul 2012	15:21:10	1	0.0000	1.0	1.00	1.00000	g

cyanide

Lvl	Area	mg/l	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	0	0.000	0					0.0	0.0	
2	449766	0.010	449766					0.0	0.0	-2.8
3	1025370	0.025	1025370					0.0	0.0	6.3
4	2053114	0.050	2053114					0.0	0.0	6.2
5	4361652	0.100	4361652					0.0	0.0	0.3
6	8825171	0.200	8825171					0.0	0.0	-0.8
7	17640288	0.400	17640288					0.0	0.0	-0.8

1st Order Poly
 Conc = 2.285e-008 Area + 2.137e-009
 r = 0.9999



Dilution Form
Wet Chemistry

Method No.: 335.4

Analyst: HU

Prep Batch: _____

Analysis Date: 07/03/12

Analytical Batch: 118452

[illegible]

OPERATOR: huan
ACQ. TIME: Jul 3, 2012 11:25:07
DATA FILENAME: C:\OMNION\DATA\CYANIDE\2012DA~1\C120703.FDT
METHOD FILENAME:
TRAY FILENAME:

TRAY DESCRIPTION:

Created: Jun 29, 2012 12:27:00
Modified: Jul 3, 2012 11:48:26

cyanide

DATA DESCRIPTION:

Created: Jul 3, 2012 11:25:07
Modified: Jul 3, 2012 11:25:07

Method - Ch. 1 (cyanide)

METHOD DESCRIPTION:

Created: Feb 8, 2007 12:27:16
Modified: Jun 27, 2012 12:32:24
cyanide

ANALYTE DATA:

Analyte Name: cyanide
Concentration Units: mg/l
Chemistry: Direct
Inject to Peak Start (s): 24.0
Peak Base Width (s): 33.472
% Width Tolerance: 100.000
Threshold: 25000.000
Autodilution Trigger: Off
QuikChem Method: 10-204-00-1-a

CALIBRATION DATA:

Levels:

1 : 0.000 2 : 0.010 3 : 0.025 4 : 0.050
5 : 0.100 6 : 0.200 7 : 0.400

Calibration Rep Handling: Average
Calibration Fit Type: 1st Order Poly
Force Though Zero: No
Weighting Method: 1/X
Concentration Scaling: None

SAMPLER TIMING:

Method Cycle Period: 70.0
Min. Probe in Wash Period: 14.0
Probe in Sample Period: 20.0

*** Prep Sequence Not Enabled ***

VALVE TIMING:

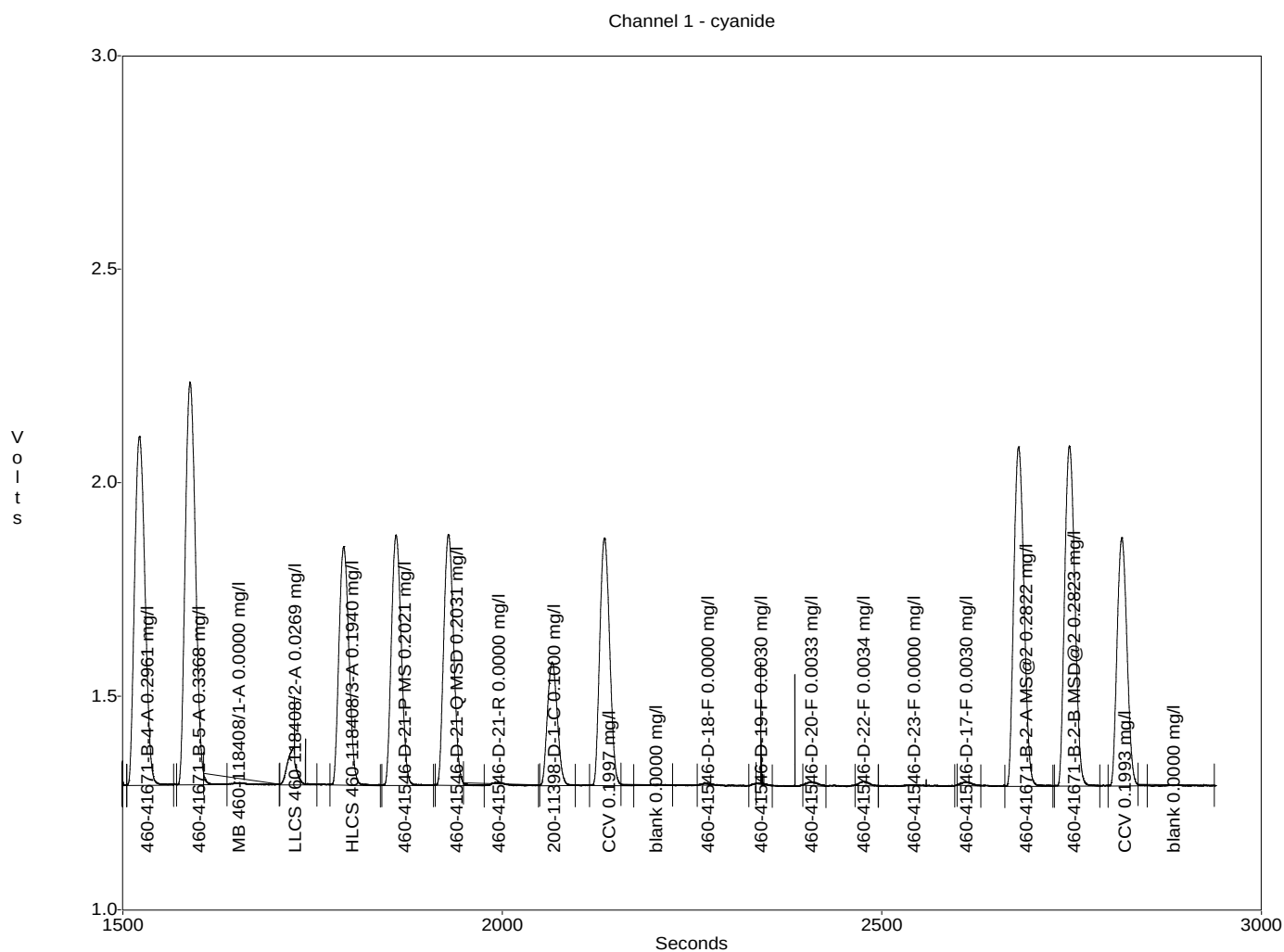
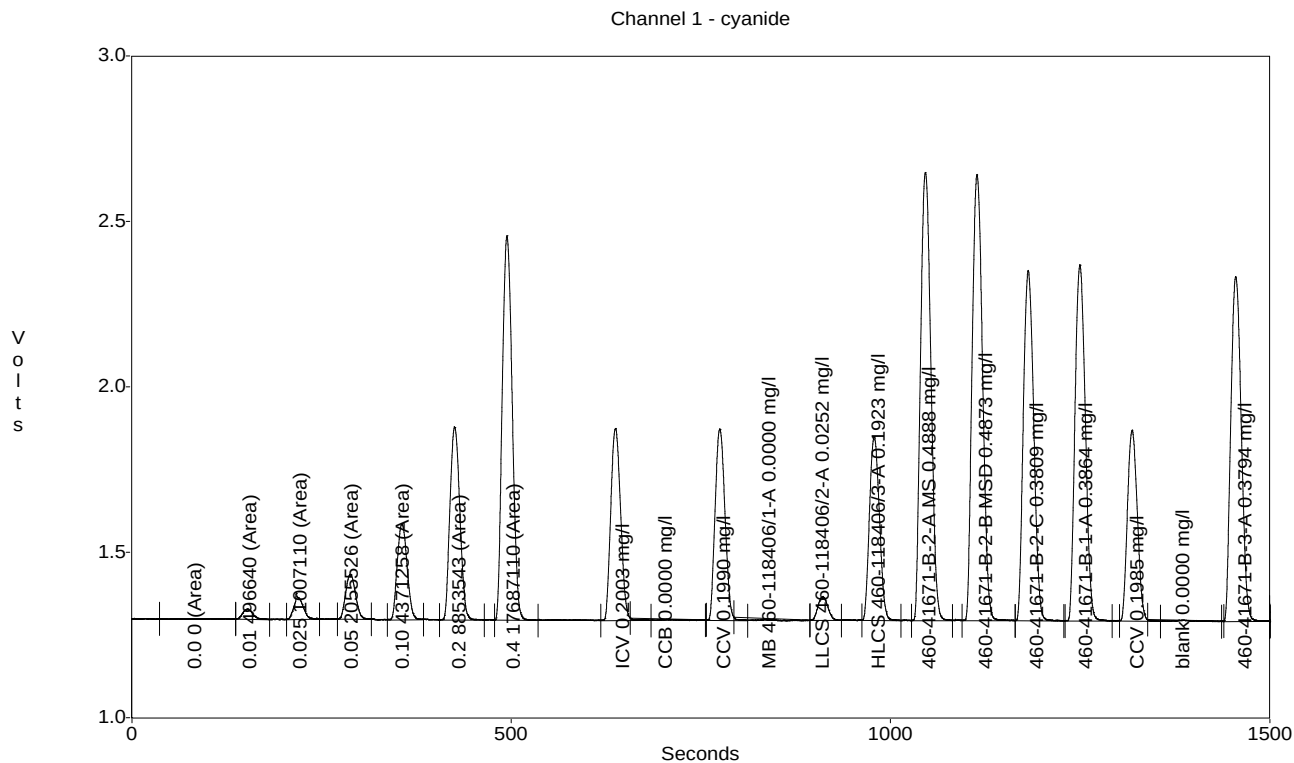
Method Cycle Period: 70.0
Sample Reaches 1st Valve: 30.0
Valve: On
Load Time: 0.0
Load Period: 15.0
Inject Period: 55.0

Multi-Channel Table
 Type: Calibration Standards
 Channel Range: 1 to 8 -- Cup Range: 1 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	cyanide (uv-s)	Man Dil Factor	Auto Dil Factor	Weight	Unit
1	0.0	03 Jul 2012	11:25:08	1	0.00	1.0	1.00	1.00000 g	
2	0.01	03 Jul 2012	11:26:15	1	496640.00	1.0	1.00	1.00000 g	
3	0.025	03 Jul 2012	11:27:22	1	1007110.00	1.0	1.00	1.00000 g	
4	0.05	03 Jul 2012	11:28:31	1	2055526.00	1.0	1.00	1.00000 g	
5	0.10	03 Jul 2012	11:29:39	1	4371258.00	1.0	1.00	1.00000 g	
6	0.2	03 Jul 2012	11:30:48	1	8853543.00	1.0	1.00	1.00000 g	
7	0.4	03 Jul 2012	11:31:58	1	17687110.00	1.0	1.00	1.00000 g	

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	cyanide (mg/l)	Man Dil Factor	Auto Dil Factor	Weight	Unit
1	ICV	03 Jul 2012	11:34:20	1	0.2003	1.0	1.00	1.00000	g
2	CCB	03 Jul 2012	11:35:29	1	0.0000	1.0	1.00	1.00000	g
3	CCV	03 Jul 2012	11:36:38	1	0.1990	1.0	1.00	1.00000	g
4	MB 460-118406/1-A	03 Jul 2012	11:37:46	1	0.0000	1.0	1.00	1.00000	g
5	LLCS 460-118406/2-A	03 Jul 2012	11:38:53	1	0.0252	1.0	1.00	1.00000	g
6	HLCS 460-118406/3-A	03 Jul 2012	11:40:01	1	0.1923	1.0	1.00	1.00000	g
7	460-41671-B-2-A MS	03 Jul 2012	11:41:09	1	0.4888	1.0	1.00	1.00000	g
8	460-41671-B-2-B MSD	03 Jul 2012	11:42:17	1	0.4873	1.0	1.00	1.00000	g
9	460-41671-B-2-C	03 Jul 2012	11:43:25	1	0.3809	1.0	1.00	1.00000	g
10	460-41671-B-1-A	03 Jul 2012	11:44:32	1	0.3864	1.0	1.00	1.00000	g
11	460-41671-B-3-A	03 Jul 2012	11:47:58	1	0.3794	1.0	1.00	1.00000	g
12	460-41671-B-4-A	03 Jul 2012	11:49:05	1	0.2961	1.0	1.00	1.00000	g
13	460-41671-B-5-A	03 Jul 2012	11:50:12	1	0.3368	1.0	1.00	1.00000	g
14	MB 460-118408/1-A	03 Jul 2012	11:51:18	1	0.0000	1.0	1.00	1.00000	g
15	LLCS 460-118408/2-A	03 Jul 2012	11:52:25	1	0.0269	1.0	1.00	1.00000	g
16	HLCS 460-118408/3-A	03 Jul 2012	11:53:34	1	0.1940	1.0	1.00	1.00000	g
17	460-41546-D-21-P MS	03 Jul 2012	11:54:43	1	0.2021	1.0	1.00	1.00000	g
18	460-41546-D-21-Q MSD	03 Jul 2012	11:55:52	1	0.2031	1.0	1.00	1.00000	g
19	460-41546-D-21-R	03 Jul 2012	11:57:01	1	0.0000	1.0	1.00	1.00000	g
20	200-11398-D-1-C	03 Jul 2012	11:58:08	1	0.1000	1.0	1.00	1.00000	g
21	460-41546-D-18-F	03 Jul 2012	12:01:36	1	0.0000	1.0	1.00	1.00000	g
22	460-41546-D-19-F	03 Jul 2012	12:02:44	1	0.0030	1.0	1.00	1.00000	g
23	460-41546-D-20-F	03 Jul 2012	12:03:52	1	0.0033	1.0	1.00	1.00000	g
24	460-41546-D-22-F	03 Jul 2012	12:05:00	1	0.0034	1.0	1.00	1.00000	g
25	460-41546-D-23-F	03 Jul 2012	12:06:08	1	0.0000	1.0	1.00	1.00000	g
26	460-41546-D-17-F	03 Jul 2012	12:07:15	1	0.0030	1.0	1.00	1.00000	g
27	460-41671-B-2-A MS@2	03 Jul 2012	12:08:23	1	0.2822	1.0	1.00	1.00000	g
28	460-41671-B-2-B MSD@	03 Jul 2012	12:09:30	1	0.2823	1.0	1.00	1.00000	g



Multi-Channel Table
Type: DQM
Channel Range: 1 to 8 -- Cup Range: 1 to 50

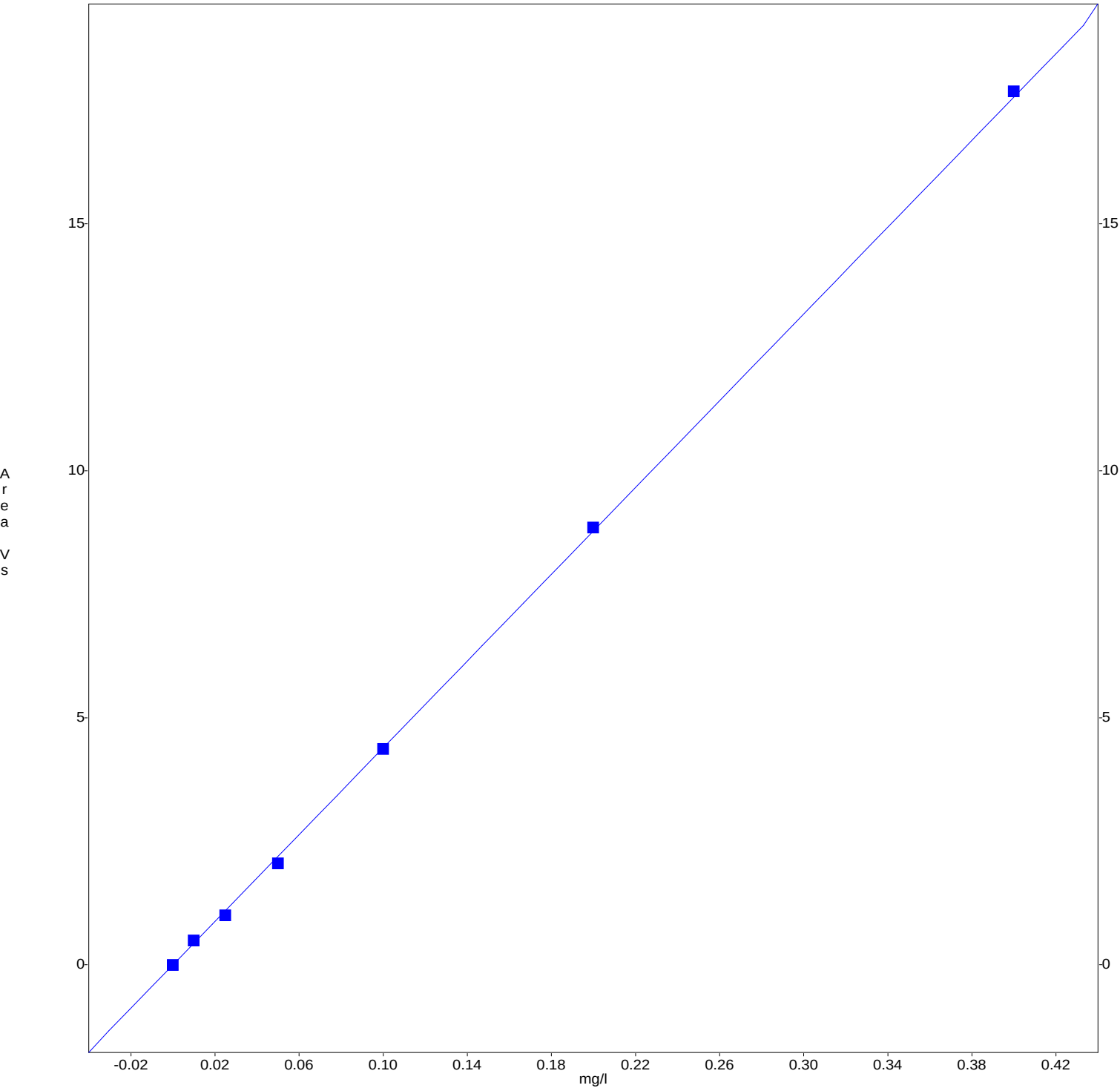
Cup	Sample ID	Sample Type	Sampling Date	Sampling Time	Rep #	cyanide (mg/l)	Man Dil Factor	Auto Dil Factor	Weight	Unit
15	CCV	RelChkStd	03 Jul 2012	11:45:41	1	0.1985	1.0	1.00	1.00000	g
						0.2000				
						% Difference:				
15	CCV	RelChkStd	03 Jul 2012	11:59:18	1	0.1997	1.0	1.00	1.00000	g
						0.2000				
						% Difference:				
15	CCV	RelChkStd	03 Jul 2012	12:10:39	1	0.1993	1.0	1.00	1.00000	g
						0.2000				
						% Difference:				
16	blank	Blank	03 Jul 2012	11:46:51	1	0.0000	1.0	1.00	1.00000	g
16	blank	Blank	03 Jul 2012	12:00:28	1	0.0000	1.0	1.00	1.00000	g
16	blank	Blank	03 Jul 2012	12:11:50	1	0.0000	1.0	1.00	1.00000	g

cyanide

Lvl	Area	mg/l	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	0	0.000	0					0.0	0.0	
2	496640	0.010	496640					0.0	0.0	-13.1
3	1007110	0.025	1007110					0.0	0.0	8.3
4	2055526	0.050	2055526					0.0	0.0	6.4
5	4371258	0.100	4371258					0.0	0.0	0.5
6	8853543	0.200	8853543					0.0	0.0	-0.8
7	17687110	0.400	17687110					0.0	0.0	-0.7

1st Order Poly
Conc = 2.277e-008 Area + 7.295e-010
r = 0.9999

Scaling: None - Weighting: 1/X



GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 118173 Batch Start Date: 07/01/12 11:30 Batch Analyst: Vu, HuanBatch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WTcnIM1 00711	WTcnIM2 00868		
MB 460-118173/1		9012A, 9012A		1 g	50 mL				
LLCS 460-118173/2		9012A, 9012A		1 g	50 mL		0.25 mL		
HLCS 460-118173/3		9012A, 9012A		1 g	50 mL	1 mL			
460-41546-A-1	PH-1	9012A, 9012A	T	1 g	50 mL				
460-41546-A-1 MS	PH-1	9012A, 9012A	T	1 g	50 mL	1 mL			
460-41546-A-1 MSD	PH-1	9012A, 9012A	T	1 g	50 mL	1 mL			
460-41546-A-2	PH-2	9012A, 9012A	T	1 g	50 mL				
460-41546-A-3	PH-3	9012A, 9012A	T	1 g	50 mL				
460-41546-A-4	PH-4	9012A, 9012A	T	1 g	50 mL				
460-41546-A-5	PH-5	9012A, 9012A	T	1 g	50 mL				
460-41546-A-6	PH-6	9012A, 9012A	T	1 g	50 mL				
460-41546-A-7	PH-7	9012A, 9012A	T	1 g	50 mL				
460-41546-A-8	PH-8	9012A, 9012A	T	1 g	50 mL				
460-41546-A-9	PH-9	9012A, 9012A	T	1 g	50 mL				
460-41546-A-10	PH-10	9012A, 9012A	T	1 g	50 mL				

Batch Notes	
Distillation Temperature	125 Degrees C
Magnesium Chloride Lot Number	C-8285-12 exp;12/11/12
Sodium Hydroxide Reagent ID Number	C-8341-12 exp;12/27/12
Sulfamic Acid Reagent ID Number	C-8284-12 exp;12/11/12
Sulfuric Acid Reagent ID Number	C-8283-12 exp;12/11/12

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 118174 Batch Start Date: 07/01/12 11:30 Batch Analyst: Vu, HuanBatch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WTcnIM1 00711	WTcnIM2 00868		
MB 460-118174/1		9012A, 9012A		1 g	50 mL				
LLCS 460-118174/2		9012A, 9012A		1 g	50 mL		0.25 mL		
HLCS 460-118174/3		9012A, 9012A		1 g	50 mL	1 mL			
460-41547-E-1 MS		9012A, 9012A	T	1 g	50 mL	1 mL			
460-41547-E-1 MSD		9012A, 9012A	T	1 g	50 mL	1 mL			
460-41546-A-11	PH-11	9012A, 9012A	T	1 g	50 mL				

Batch Notes	
Distillation Temperature	125 Degrees C
Magnesium Chloride Lot Number	C-8285-12 exp;12/11/12
Sodium Hydroxide Reagent ID Number	C-8341-12 exp;12/27/12
Sulfamic Acid Reagent ID Number	C-8284-12 exp;12/11/12
Sulfuric Acid Reagent ID Number	C-8283-12 exp;12/11/12

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 118178 Batch Start Date: 07/01/12 13:42 Batch Analyst: Vu, HuanBatch Method: 9012A Batch End Date: 07/01/12 15:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTcnIM3 00730				
ICV 460-118178/8		9012A		100 mL	2 mL				
CCV 460-118178/10		9012A		100 mL	2 mL				
CCV 460-118178/18		9012A		100 mL	2 mL				
CCV 460-118178/30		9012A		100 mL	2 mL				
CCV 460-118178/38		9012A		100 mL	2 mL				

Batch Notes	
Batch Comment	B(03544-03550)-12 CAL exp;07/01/12
Buffer Reagent ID Number	C-8369-12 exp;08/01/12
Chloramine-T Reagent ID Number	C-8370-12 exp;07/01/12
First End time	B(03551)-12 : CCV exp;07/01/12
NaOH Lot #	C-8367-12 exp;01/01/13
Pyridine-Barbituric Acid Reagent ID	C-8368-12 exp;07/08/12

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 118311 Batch Start Date: 07/02/12 10:30 Batch Analyst: Afremova, IzabellaBatch Method: 9012A Batch End Date: 07/02/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WTcnIM1 00712	WTcnIM2 00869		
MB 460-118311/1		9012A, 9012A		1.0 g	50.0 mL				
LLCS 460-118311/2		9012A, 9012A		1.0 g	50.0 mL		0.25 mL		
HLCS 460-118311/3		9012A, 9012A		1.0 g	50.0 mL	1 mL			
460-41546-A-13 MS	PH-13	9012A, 9012A	T	1.0 g	50.0 mL	1 mL			
460-41546-A-13 MSD	PH-13	9012A, 9012A	T	1.0 g	50.0 mL	1 mL			
460-41546-A-13	PH-13	9012A, 9012A	T	1.0 g	50.0 mL				
460-41546-A-12	PH-12	9012A, 9012A	T	1.0 g	50.0 mL				

Batch Notes	
Distillation Temperature	125 Degrees C
Magnesium Chloride Lot Number	AMRESCO/2832C159
Sodium Hydroxide Reagent ID Number	# C - 8371-12 exp.01/02/13
Sulfamic Acid Reagent ID Number	# C - 8373-12 exp.01/02/13
Sulfuric Acid Reagent ID Number	# C - 8372-12 exp.01/02/13

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 118323 Batch Start Date: 07/02/12 10:30 Batch Analyst: Afremova, IzabellaBatch Method: 9012A Batch End Date: 07/02/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WTcnIM1 00712	WTcnIM2 00869		
MB 460-118323/1		9012A, 9012A		1.0 g	50.0 mL				
LLCS 460-118323/2		9012A, 9012A		1.0 g	50.0 mL		0.25 mL		
HLCS 460-118323/3		9012A, 9012A		1.0 g	50.0 mL	1 mL			
460-41546-A-16 MS	PH-16	9012A, 9012A	T	1.0 g	50.0 mL	1 mL			
460-41546-A-16 MSD	PH-16	9012A, 9012A	T	1.0 g	50.0 mL	1 mL			
460-41546-A-16	PH-16	9012A, 9012A	T	1.0 g	50.0 mL				
460-41546-A-14	PH-14	9012A, 9012A	T	1.0 g	50.0 mL				
460-41546-A-15	PH-15	9012A, 9012A	T	1.0 g	50.0 mL				

Batch Notes	
Distillation Temperature	125 Degrees C
Magnesium Chloride Lot Number	AMRESCO/2832C159
Sodium Hydroxide Reagent ID Number	# C - 8371-12 exp.01/02/13
Sulfamic Acid Reagent ID Number	# C - 8373-12 exp.01/02/13
Sulfuric Acid Reagent ID Number	# C - 8372-12 exp.01/02/13

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 118346 Batch Start Date: 07/02/12 14:31 Batch Analyst: Vu, HuanBatch Method: 9012A Batch End Date: 07/02/12 16:09

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTcnIM3 00731				
ICV 460-118346/8		9012A		100 mL	2 mL				
CCV 460-118346/10		9012A		100 mL	2 mL				
CCV 460-118346/18		9012A		100 mL	2 mL				
CCV 460-118346/30		9012A		100 mL	2 mL				
CCV 460-118346/39		9012A		100 mL	2 mL				

Batch Notes	
Batch Comment	B(03554-03560)-12 CAL exp;07/02/12
Buffer Reagent ID Number	C-8369-12 exp;08/01/12
Chloramine-T Reagent ID Number	C-8377-12 exp;07/02/12
First End time	B(03561)-12 : CCV exp;07/02/12
NaOH Lot #	C-8367-12 exp;01/01/13
Pyridine-Barbituric Acid Reagent ID	C-8368-12 exp;07/08/12

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 118408 Batch Start Date: 07/03/12 06:30 Batch Analyst: Afremova, IzabellaBatch Method: 9012A Batch End Date: 07/03/12 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WTcnIM1 00713	WTcnIM2 00870		
MB 460-118408/1		9012A, 9012A		1.0 g	50.0 mL				
LLCS 460-118408/2		9012A, 9012A		1.0 g	50.0 mL		0.25 mL		
HLCS 460-118408/3		9012A, 9012A		1.0 g	50.0 mL	1 mL			
460-41546-D-21 MS	F-12	9012A, 9012A	T	1.0 g	50.0 mL	1 mL			
460-41546-D-21 MSD	F-12	9012A, 9012A	T	1.0 g	50.0 mL	1 mL			
460-41546-D-21	F-12	9012A, 9012A	T	1.0 g	50.0 mL				
460-41546-D-17	F-8	9012A, 9012A	T	1.0 g	50.0 mL				
460-41546-D-18	F-9	9012A, 9012A	T	1.0 g	50.0 mL				
460-41546-D-19	F-10	9012A, 9012A	T	1.0 g	50.0 mL				
460-41546-D-20	F-11	9012A, 9012A	T	1.0 g	50.0 mL				
460-41546-D-22	F-13	9012A, 9012A	T	1.0 g	50.0 mL				
460-41546-D-23	FB-E	9012A, 9012A	T	1.0 g	50.0 mL				

Batch Notes	
Distillation Temperature	125 Degrees C
Magnesium Chloride Lot Number	AMRESCO/2832C159
Sodium Hydroxide Reagent ID Number	# C - 8371-12 exp.01/02/13
Sulfamic Acid Reagent ID Number	# C - 8373-12 exp.01/02/13
Sulfuric Acid Reagent ID Number	# C - 8372-12 exp.01/02/13

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 118452 Batch Start Date: 07/03/12 11:25 Batch Analyst: Vu, HuanBatch Method: 9012A Batch End Date: 07/03/12 14:11

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTcnIM3 00732				
ICV 460-118452/8		9012A		100 mL	2 mL				
CCV 460-118452/10		9012A		100 mL	2 mL				
CCV 460-118452/18		9012A		100 mL	2 mL				
CCV 460-118452/30		9012A		100 mL	2 mL				
CCV 460-118452/40		9012A		100 mL	2 mL				

Batch Notes	
Batch Comment	B(03564-03570)-12 CAL exp;07/03/12
Buffer Reagent ID Number	C-8369-12 exp;08/01/12
Chloramine-T Reagent ID Number	C-8380-12 exp;07/03/12
First End time	B(03571)-12 : CCV exp;07/03/12
NaOH Lot #	C-8367-12 exp;01/01/13
Pyridine-Barbituric Acid Reagent ID	C-8368-12 exp;07/08/12

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117068 Batch Start Date: 06/21/12 23:47 Batch Analyst: Bobo, SteveBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-41546-A-1	PH-1	Moisture	T	71	1.01 g	6.37 g	5.85 g		
460-41546-A-2	PH-2	Moisture	T	72	0.98 g	6.81 g	6.08 g		
460-41546-A-3	PH-3	Moisture	T	73	1.00 g	6.28 g	4.89 g		
460-41546-A-4	PH-4	Moisture	T	74	1.02 g	6.83 g	5.77 g		
460-41546-A-5	PH-5	Moisture	T	75	1.06 g	6.18 g	5.90 g		
460-41546-A-6	PH-6	Moisture	T	76	1.04 g	6.48 g	5.86 g		
460-41546-A-7	PH-7	Moisture	T	77	1.00 g	6.16 g	4.81 g		
460-41546-A-8	PH-8	Moisture	T	78	1.03 g	6.97 g	5.89 g		
460-41546-A-9	PH-9	Moisture	T	79	1.01 g	6.60 g	6.12 g		
460-41546-A-10	PH-10	Moisture	T	80	1.01 g	6.49 g	5.82 g		
460-41546-A-11	PH-11	Moisture	T	81	0.99 g	6.74 g	5.08 g		
460-41546-A-12	PH-12	Moisture	T	82	1.00 g	6.91 g	5.94 g		
460-41546-A-13	PH-13	Moisture	T	83	1.00 g	6.39 g	6.08 g		
460-41546-A-14	PH-14	Moisture	T	84	0.99 g	6.80 g	5.71 g		
460-41546-A-14 DU	PH-14	Moisture	T	85	0.99 g	6.04 g	5.09 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	06/21/12
Oven Temp when samples are put in oven	Oven-1 105, Oven-2 104 Degrees C
Time samples were place in the oven	16:44
Date samples were removed from oven	06/22/12
Oven Temp when samples removed from oven	Oven-1 103, Oven-2 103 Degrees C
Time Samples were removed from oven	12:50
Oven ID	1,2
ID number of the thermometer	C4350, 2935
Uncorrected In Temperature	None Celsius
Uncorrected Out Temperature	None Celsius

Basis	Basis Description
T	Total/NA

Moisture

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-41546-1

SDG No.: _____

Batch Number: 117070 Batch Start Date: 06/22/12 00:54 Batch Analyst: Bobo, SteveBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-41546-A-15	PH-15	Moisture	T	86	0.94 g	6.09 g	5.04 g		
460-41546-A-16	PH-16	Moisture	T	87	0.94 g	6.96 g	5.71 g		
460-41546-D-17	F-8	Moisture	T	88	0.93 g	6.09 g	5.62 g		
460-41546-D-18	F-9	Moisture	T	89	0.96 g	6.43 g	5.84 g		
460-41546-D-19	F-10	Moisture	T	90	0.97 g	6.98 g	6.40 g		
460-41546-D-20	F-11	Moisture	T	91	0.96 g	6.81 g	6.22 g		
460-41546-D-21	F-12	Moisture	T	92	0.99 g	6.21 g	5.83 g		
460-41546-D-21 MS	F-12	Moisture	T	93	0.98 g	6.21 g	5.83 g		
460-41546-D-21 MSD	F-12	Moisture	T	94	0.96 g	6.21 g	5.83 g		
460-41546-D-21 DU	F-12	Moisture	T	95	0.96 g	6.21 g	5.83 g		
460-41546-D-22	F-13	Moisture	T	96	0.94 g	6.82 g	6.23 g		
460-41546-D-23	FB-E	Moisture	T	97	0.94 g	6.17 g	5.55 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	06/21/12
Oven Temp when samples are put in oven	Oven-1 105, Oven-2 104 Degrees C
Time samples were place in the oven	16:44
Oven ID	1,2
ID number of the thermometer	C4350, 2935
Uncorrected In Temperature	None Celsius
Uncorrected Out Temperature	None Celsius

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 1 of 3

Name (for report and invoice) Meredith Anke		Samplers Name (Printed) Meredith Anke		Site/Project Identification C360112, Mt. Kisco, NY	
Company Carlin-Simpson & Associates		P.O. # 01-109		State (Location of site): NY	
Address 601 Main Street		Analysis Turnaround Time Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program: RCP	
City Saugerville	State NJ				
Phone 732-432-5757	Fax 732-432-5717				
Sample Identification	Date	Time	Matrix	No. of Cont.	ANALYSIS REQUESTED (ENTER X BELOW TO INDICATE REQUEST)
PH-1	6/20/12	0925	S	1	TCL VOC+TKS TCL SWCC+TKS TCL Pesticides TCL PCBs TAL Metals Mercury Cyanide
PH-2		0929	S	1	X X X X X X X
PH-3		0932	S	1	X X X X X X X
PH-4		0934	S	1	X X X X X X X
PH-5		1010	S	1	X X X X X X X
PH-6		1014	S	1	X X X X X X X
PH-7		1016	S	1	X X X X X X X
PH-8		1018	S	1	X X X X X X X
PH-9		1025	S	1	X X X X X X X
PH-10		1100	S	1	X X X X X X X
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH		Soil:		Water:	
6 = Other _____, 7 = Other _____					

SHORT
HOLD

Special Instructions NYSDDEC Category B / NYSDDEC BAUS EDD		Water Metals Filtered (Yes/No)?	
Relinquished by M. Anke	Company CSA	Date / Time 6/20/12 5:39	Received by [Signature]
Relinquished by	Company	Date / Time	Received by
Relinquished by	Company	Date / Time	Received by
Relinquished by	Company	Date / Time	Received by
Relinquished by	Company	Date / Time	Received by

2.8
#50

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 2 of 3

Name (for report and invoice) Meredith Anke		Samplers Name (Printed) Meredith Anke		Site/Project Identification C360112, Mt. Kisco, NY	
Company Certin-Simpson & Associates		P. O. # 01-109		State (Location of site): NJ: ☐ NY: ☒ Other: BCP	
Address Cel Main Street		Analysis Turnaround Time Standard ☒ Push Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program:	
City Saugreuil	State NJ				
Phone 732-432-5353	Fax 732-432-5317				
Sample Identification	Date	Time	Matrix	No. of Cont.	LAB USE ONLY Project No:
PH-11	6/20/12	11:00	S	1	11
PH-12		11:12	S	1	12
PH-13		11:50	S	1	13
PH-14		11:53	S	1	14
PH-15		11:56	S	1	15
PH-16		11:57	S	1	16
F-8		13:05	S	4	17
F-9		13:14	S	4	18
F-10		13:48	S	4	19
F-11		13:52	S	4	20

Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil: ☐ Water: ☐

Analysis Requested (Enter "X" below to indicate request)
☒ TCL VOCs + TICs
☒ TCL SVOCs + TICs
☒ TCL Pesticides
☒ TCL PCBs
☒ TAL Metals
☒ Mercury
☒ Cyanide

Job No: **41544**
Sample Numbers

SHORT
HOLD

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by M. Anke	Company CSA	Date / Time 6/20/12 5:38	Received by [Signature]	Company 6-20-12 17:43
Relinquished by	Company	Date / Time	Received by	Company
Relinquished by	Company	Date / Time	Received by	Company
Relinquished by	Company	Date / Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

2.0
#50

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 3 of 3

Name (for report and invoice)

Meredith Anke

Samplers Name (Printed)

Meredith Anke

Site/Project Identification

C360112, Mt. Kisco NY

Company

Carlin-Simpson Associates

P.O. #

01-10A

State (Location of site):

Regulatory Program:

NY: ☒ Other: ☐

Address

13A Main Street

City

Sayreville

State

NJ

Phone

732-432-5757

Fax

732-432-5717

Analysis Turnaround Time

Standard ☒

Rush Charges Authorized For:

2 Week ☐

1 Week ☐

Other ☐

ANALYSIS REQUESTED (ENTER X BELOW TO INDICATE REQUEST)

TCL VOCs

TCL SVOCs

TCL Pesticides

TCL PCBs

TAL Metals

Mercury

Cyanide

LAB USE ONLY

Project No:

Job No:

2/15/16

Sample Numbers

21

21

22

23

Sample Identification

Date

Time

Matrix

No. of Cont.

F-12

02/01/12

1510

S

4

F-12MS

1512

S

4

F-12MS

1514

S

4

F-13

1520

S

4

F-B-E

1520

S

4

Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH

6 = Other _____, 7 = Other _____

Soil: _____

Water: _____

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by

M. Anke

Company

CSA

Date / Time

02/01/12 5:34

Received by

[Signature]

Company

CSA

Relinquished by

2)

Company

Date / Time

Received by

Company

Relinquished by

3)

Company

Date / Time

Received by

Company

Relinquished by

4)

Company

Date / Time

Received by

Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

SHORT
HOLD

202
#450

Login Sample Receipt Checklist

Client: Carlin, Simpson and Associates

Job Number: 460-41546-1

Login Number: 41546

List Source: TestAmerica Edison

List Number: 1

Creator: McClain, Mark A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
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	2.8C 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.	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.